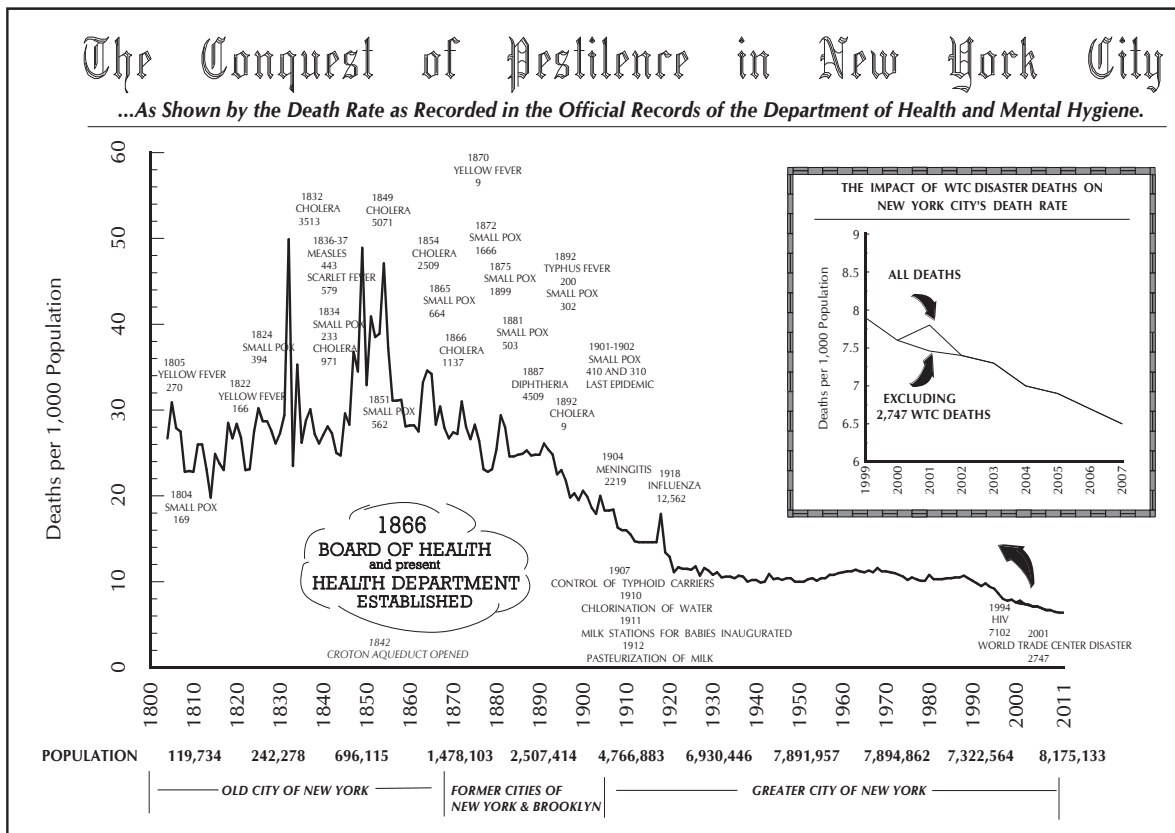


SUMMARY OF VITAL STATISTICS 2011

THE CITY OF NEW YORK



SUMMARY OF VITAL STATISTICS 2011 THE CITY OF NEW YORK

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January 2013

THIS REPORT WAS PREPARED BY THE DEPARTMENT OF HEALTH AND MENTAL HYGIENE, OFFICE OF VITAL STATISTICS STAFF UNDER THE DIRECTION OF REGINA ZIMMERMAN, PHD, MPH AND WENHUI LI, PHD.

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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 many different public health challenges, from epidemics of yellow fever and cholera in the 1800s, to AIDS and tuberculosis in the last century.

Today our leading killers are chronic diseases, including heart disease, cancer and diabetes. The Health Department works hard in creative ways to reduce the risk factors that lead to these diseases, such as smoking and obesity. In responding to these insidious, long-term threats, we touch the lives of more than 8 million New Yorkers.

The good news is that New Yorkers have become healthier in recent years thanks to our efforts. The smoking rate is the lowest it has been since 2002, fewer New Yorkers drink sugar-sweetened beverages and more eat fruits and vegetables. The City's air quality continues to improve as well.

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

Highlights from our 2011 report include:

- NYC's life expectancy at birth reached 80.9 years (preliminary data) in 2010. This is a 3.9% (3 year) increase since 2001 and a 0.4% (5 month) increase from the prior year, 2009.
- The 2011 NYC death rate stabilized at its 2010 historic low of 6.4 deaths per 1,000 population, with 52,789 deaths in 2011. This is a 13.5% decline since 2002.
- The infant mortality rate declined to a new historic low of 4.7 infant deaths per 1,000 live births in 2011.

Our *Executive Summary*, beginning on the next page, highlights additional important health indicators.

Vital Statistics data—gathered from your birth and death certificates—help us determine how we can continue to adapt to New York's constantly changing health challenges. Our goal, however, remains steadfast in the 21st century: to help all New Yorkers live longer and healthier lives.

Sincerely,

A handwritten signature in black ink that reads "Thomas Farley". The signature is written in a cursive style.

Thomas Farley, MD MPH
Commissioner

SUMMARY OF VITAL STATISTICS 2011

THE CITY OF NEW YORK

EXECUTIVE SUMMARY

RECENT TRENDS IN NEW YORK CITY VITAL STATISTICS

- In 2010, NYC's life expectancy at birth reached 80.9 years (preliminary data for latest year available). This is a 3.9% (3 year) increase since 2001 and a 0.4% (5 month) increase since 2009. The greatest increase across the major racial/ethnic groups was in non-Hispanic blacks, whose life expectancy at birth increased 3 years, 10 months from 2001 to 2010 to 77.2 years, exceeding the gains seen among non-Hispanic whites and Hispanics.
- In 2011, the NYC death rate stabilized at its 2010 historic low of 6.4 deaths per 1,000 population, with 52,789 deaths in 2011. This is a 13.5% decline since 2002.
- Heart disease, cancer and influenza/pneumonia continue to rank as the 3 leading causes of death; they decreased 32.5%, 4.2% and 2.9% respectively from 2002 to 2011. Heart disease decreased 17% since 2009, in part due to efforts to improve the accuracy of cause of death reporting.
- The infant mortality rate continues to decline, down 4% from 4.9 infant deaths per 1,000 live births in 2010 to 4.7 infant deaths per 1,000 live births in 2011. Both the Take Care New York goal of a citywide infant mortality rate of 5.0 by 2012 and the Healthy People 2020 goal of 6.0 have already been met.
- The leading causes of infant deaths continue to be congenital malformations (20%) and short gestation/low birthweight (20%). External causes, which include injuries, homicides and deaths of undetermined intent, also contribute substantially to these deaths (11%).
- The citywide birth rate recently peaked at 16.1 per 1,000 population in 2007, up from 15.2 in 2002, and, since then, has decreased 7.3% over the last 4 years, reaching 14.9 in 2011.
- The teen birth rate declined to a new low of 26.0 live births per 1,000 women 15–19 years of age in 2011. The rate has decreased 29.5% from 36.9 in 2002, and 6.5% from 27.8 in 2010.

January 2013

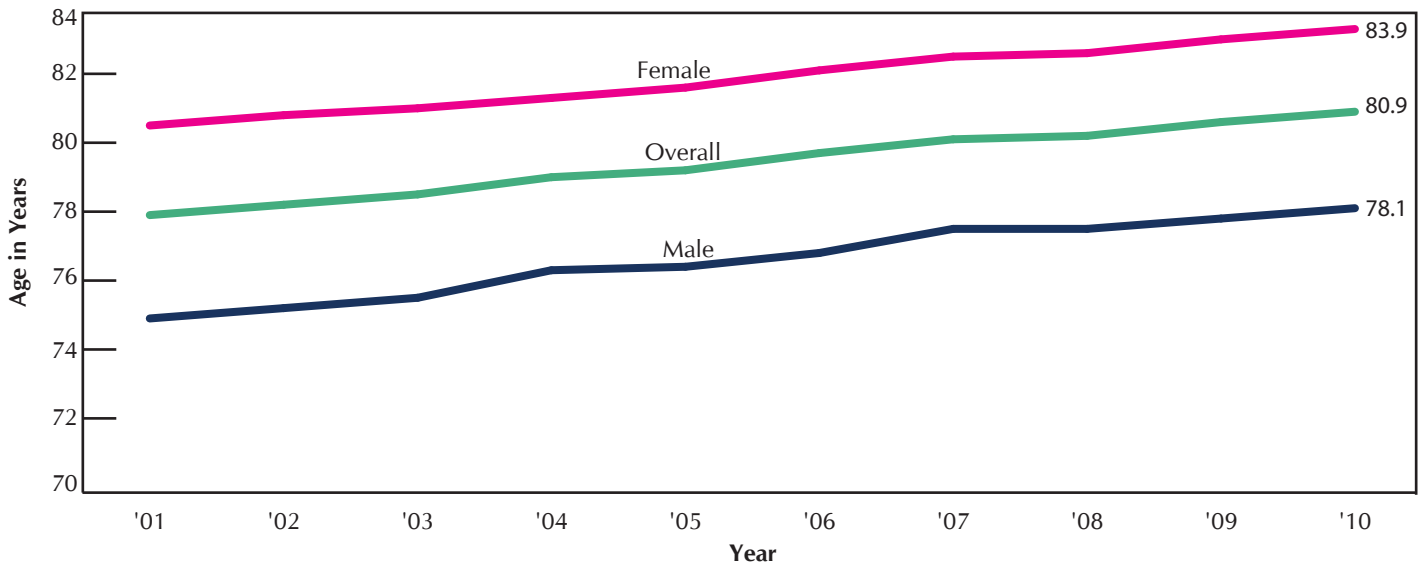
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LIFE EXPECTANCY IN NEW YORK CITY

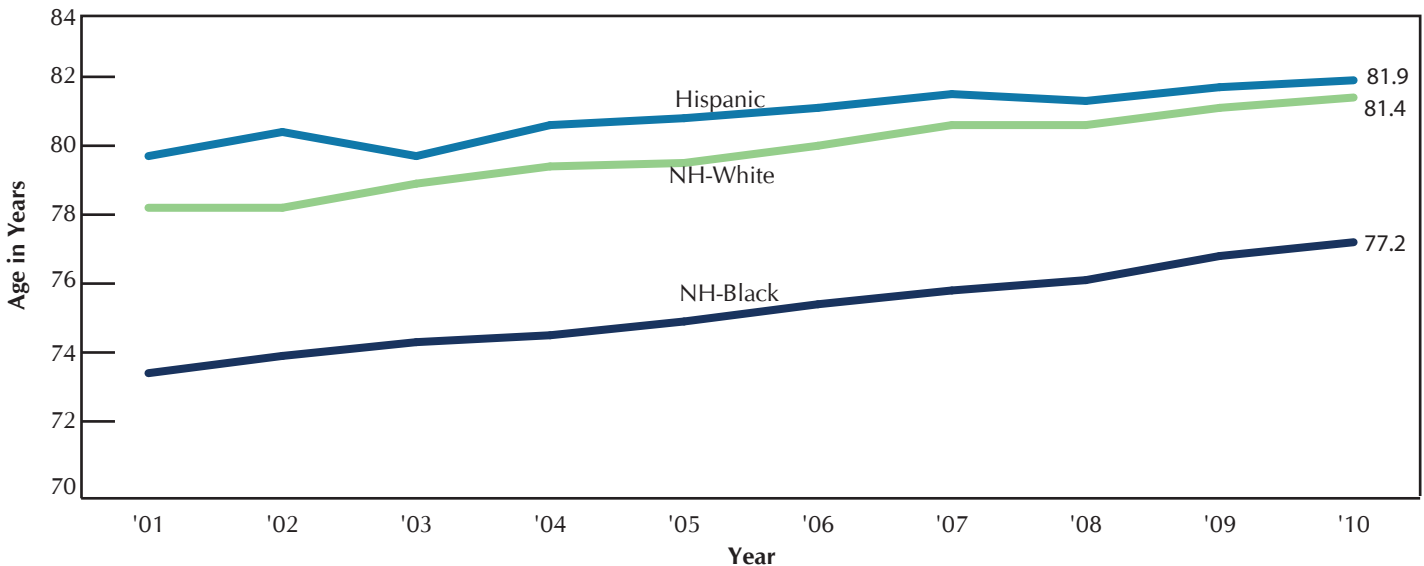
Life Expectancy at Birth, Overall and by Sex, New York City, 2001–2010



*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).

- In 2010, NYC's life expectancy at birth reached 80.9 years (preliminary data). This is a 3.9% (3 year) increase since 2001 and a 0.4% (5 month) increase from the prior year, 2009.
- Among males, life expectancy at birth reached 78.1, a 3 year, 2 month gain and among females, it reached 83.3, a 2 year, 10 month gain, since 2001. Life expectancy increased 5 months for males and females from 2009 to 2010.

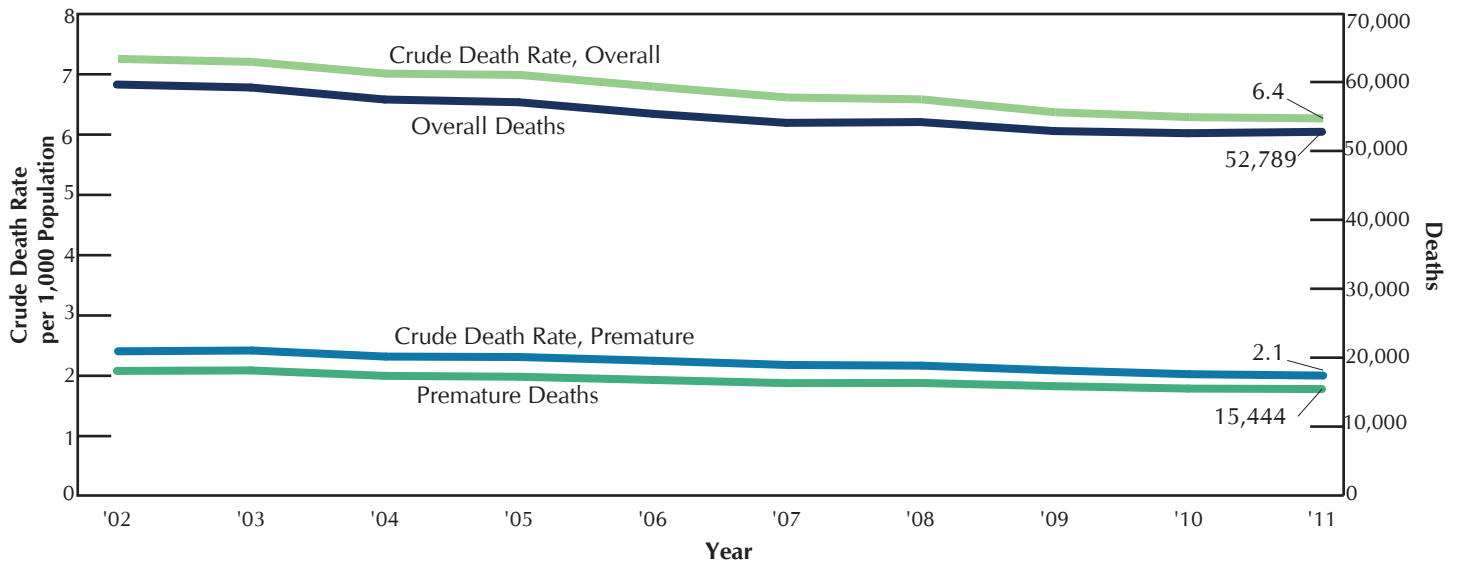
Life Expectancy at Birth by Racial/Ethnic Group, New York City, 2001–2010



- The greatest increase across the major racial/ethnic groups was in non-Hispanic blacks, whose life expectancy at birth increased 3 years, 10 months from 2001 to 2010 to 77.2 years, exceeding the gains seen among non-Hispanic whites and Hispanics.
- Since 2001, life expectancy at birth increased 3 years, 2 months among non-Hispanic whites to 81.4 years and 3 years among Hispanics to 81.9 years.
- Data for Asians and Pacific Islanders are not displayed because the required single year of age population denominators are too small to produce reliable estimates (See Technical Notes, Life Expectancy).

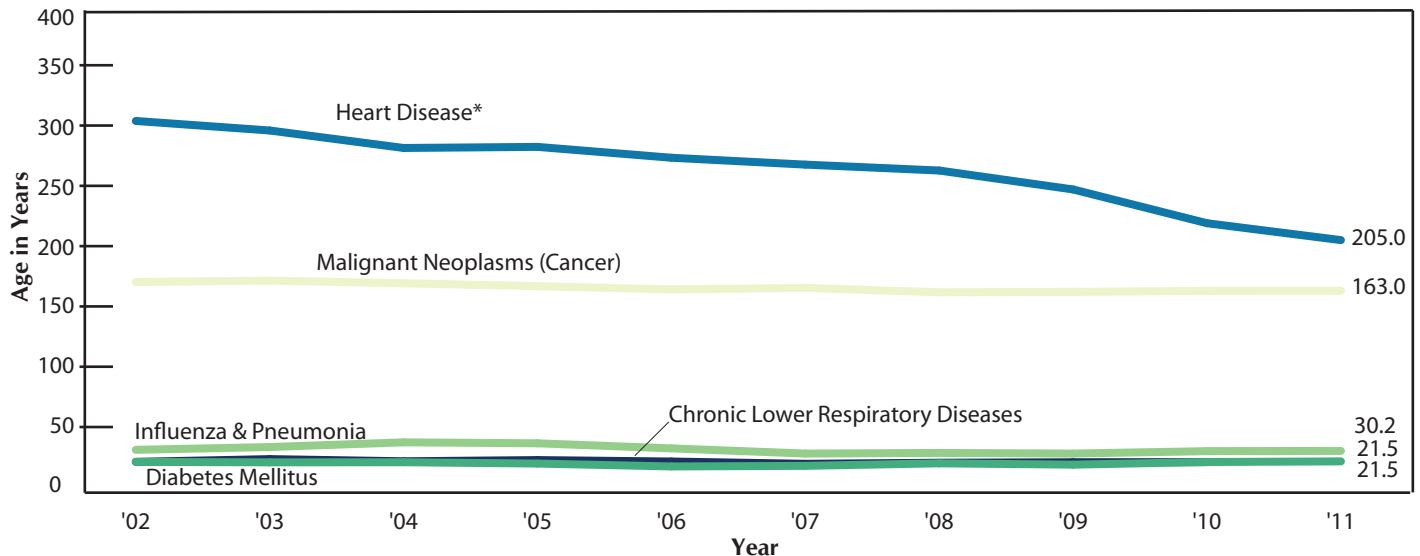
DEATHS IN NEW YORK CITY

Number of Deaths and Crude Death Rates, Overall and Premature (Age < 65 Years),
New York City, 2002–2011



- In 2011, the New York City death rate stabilized at its 2010 historic low of 6.4 deaths per 1,000 population with 52,789 deaths in 2011. This is a 13.5% decline since 2002.
- Premature deaths (before age 65) accounted for 29.3% of all deaths in New York City in 2011. The premature death rate decreased to 2.1 per 1,000 population, a 16.0% decline since 2002.

Crude Death Rates from 5 Leading Causes, New York City, 2002–2011



*Please see 2010 Mortality – Special Section: Cause of Death Quality Improvement Initiative for information on the initiative’s impact on cause of death reporting, particularly heart disease reporting.

- Heart disease, malignant neoplasms (cancer) and influenza/pneumonia continue to rank as the 3 leading causes of death. From 2002 to 2011, crude death rates decreased by 32.5%, 4.2% and 2.9% respectively.
- Since 2009, heart disease has decreased 17%, which is partly attributable to efforts to improve the accuracy of cause of death reporting.*

DEATHS IN NEW YORK CITY

LEADING CAUSES OF DEATH

Top 10 Leading Causes of Death in New York City — 2002, 2010 and 2011

Cause	2011		2010			2002		
	Rank	Death Rate per 100,000 Population	Rank	Death Rate per 100,000 Population	Change to 2011 (%)	Rank	Death Rate per 100,000 Population	Change to 2011 (%)
Diseases of Heart*	1	205.0	1	219.0	-6.4%	1	303.8	-32.5%
Malignant Neoplasms	2	163.0	2	162.9	0.1%	2	170.2	-4.2%
Influenza and Pneumonia	3	30.2	3	30.0	0.7%	3	31.1	-2.9%
Chronic Lower Respiratory Diseases	4	21.5	5	21.0	2.4%	7	21.1	1.9%
Diabetes Mellitus	5	21.5	4	20.9	2.9%	6	21.1	1.9%
Cerebrovascular Diseases	6	21.2	6	19.3	9.8%	4	23.0	-7.8%
Accidents Except Poisoning by Psychoactive Substances	7	12.3	8	11.4	7.9%	8	14.6	-15.8%
Essential Hypertension and Hypertensive Renal Diseases	8	11.7	7	12.8	-8.6%	10	9.0	30.0%
Human Immunodeficiency Virus (HIV) Disease	9	9.3	9	10.2	-8.8%	5	21.2	-56.1%
Use of or Poisoning by Psychoactive Substance†	10	9.2	10	8.1	13.6%	9	11.2	-17.9%

*Please see 2010 Mortality – Special Section: Cause of Death Quality Improvement Initiative for information on the initiative's impact on cause of death reporting, particularly heart disease reporting.

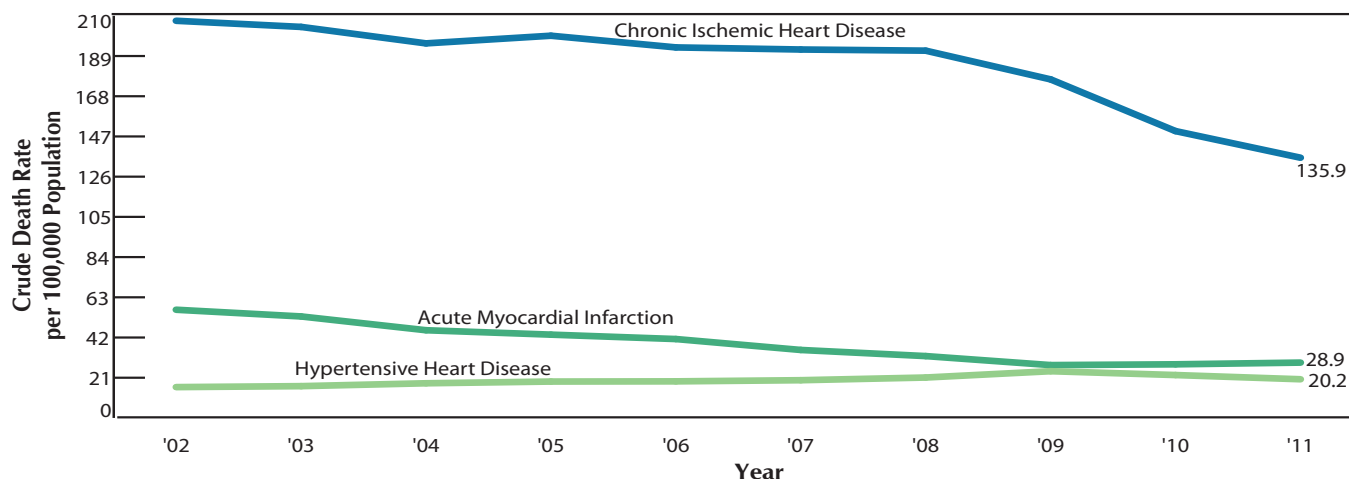
†See Technical Note in Summary of Vital Statistics, Mortality Report: Drug-Related Deaths for definition.

- Chronic lower respiratory diseases, diabetes mellitus, and cerebrovascular diseases (mostly stroke) are the 4th, 5th and 6th leading causes of death in 2011. These death rates have remained relatively stable over the past 10 years ranging from a low of 17.3, 19.5 and 17.3 to a high of 21.5, 23.6 and 23.2 deaths per 100,000 population, respectively.
- The HIV-related mortality rate continues to decline at a faster rate than other causes of death, down 8.9%, since 2010, and 56.2% since 2002 to 9.3 deaths per 100,000 population in 2011.
- The rate of essential hypertension and hypertensive renal disease death increased 30.2% in the past 10 years.

DEATHS IN NEW YORK CITY

HEART DISEASE DEATHS

Crude Death Rates for 3 Leading Causes of Heart Disease* Death, New York City, 2002–2011

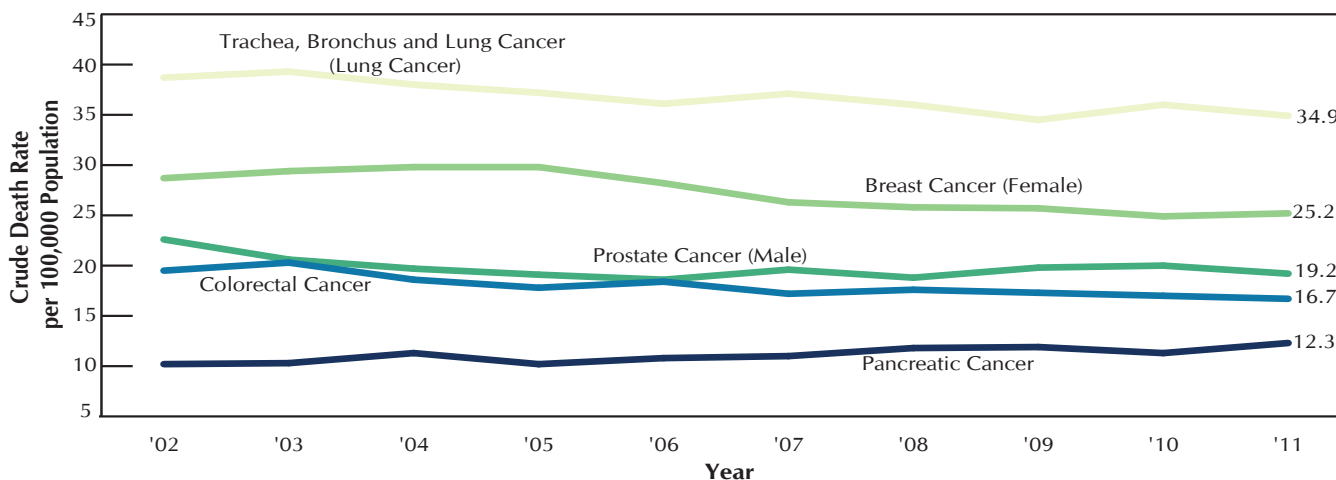


*Please see 2010 Mortality – Special Section: Cause of Death Quality Improvement Initiative for information on the initiative’s impact on cause of death reporting, particularly heart disease reporting.

- The rate of chronic ischemic heart disease death, the leading cause of heart disease deaths, decreased 29.1% between 2008 and 2011 to 135.9 in 2011, compared with a 7.5% reduction throughout the preceding 6 years. The recent sharper decline is partly attributable to efforts to improve the accuracy of cause of death reporting.*
- Since 2002, acute myocardial infarction decreased 48.8% while hypertensive heart disease increased 25.5%.

CANCER DEATHS

Crude Death Rates for 5 Leading Causes of Cancer Death, New York City, 2002–2011

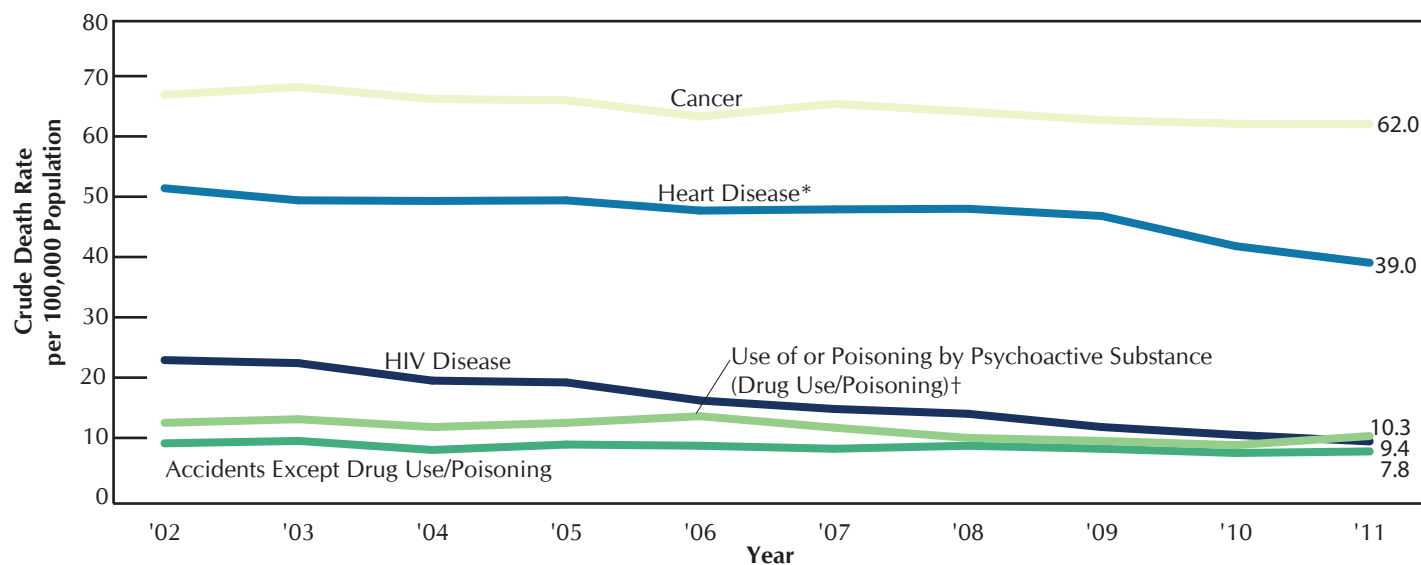


- Since 2002, rates of 4 of the 5 leading causes of cancer death decreased: male prostate cancer (15.0%), colorectal cancer (14.4%), female breast cancer (12.2%) and lung cancer (9.8%).
- Pancreatic cancer increased 20.6% to 12.3 deaths per 100,000 population since 2002.

DEATHS IN NEW YORK CITY

PREMATURE DEATHS

Crude Death Rates for 5 Leading Causes of Premature Death (Age < 65), New York City, 2002–2011



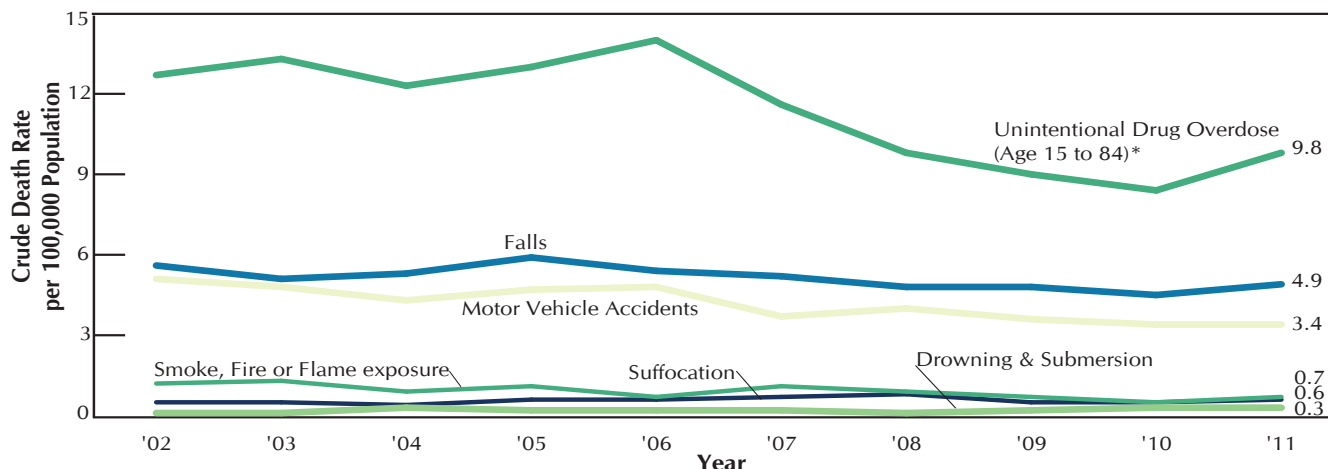
*Please see 2010 Mortality – Special Section: Cause of Death Quality Improvement Initiative for information on the initiative’s impact on cause of death reporting, particularly heart disease reporting.

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

- In 2011, the 5 leading causes of premature death (before age 65) were cancer, followed by heart disease, drug use/poisoning, HIV infection, and accidents other than drug use/poisoning.
- Over the past 10 years, the HIV-related mortality rate decreased 59.0%, heart disease, 24.1%, and drug use/poisoning, 14.3%.
- The recent decline in heart disease is partly attributed to efforts to improve the accuracy of cause of death reporting.*

ACCIDENTS

Crude Death Rates for Selected Accident Deaths, New York City, 2002–2011

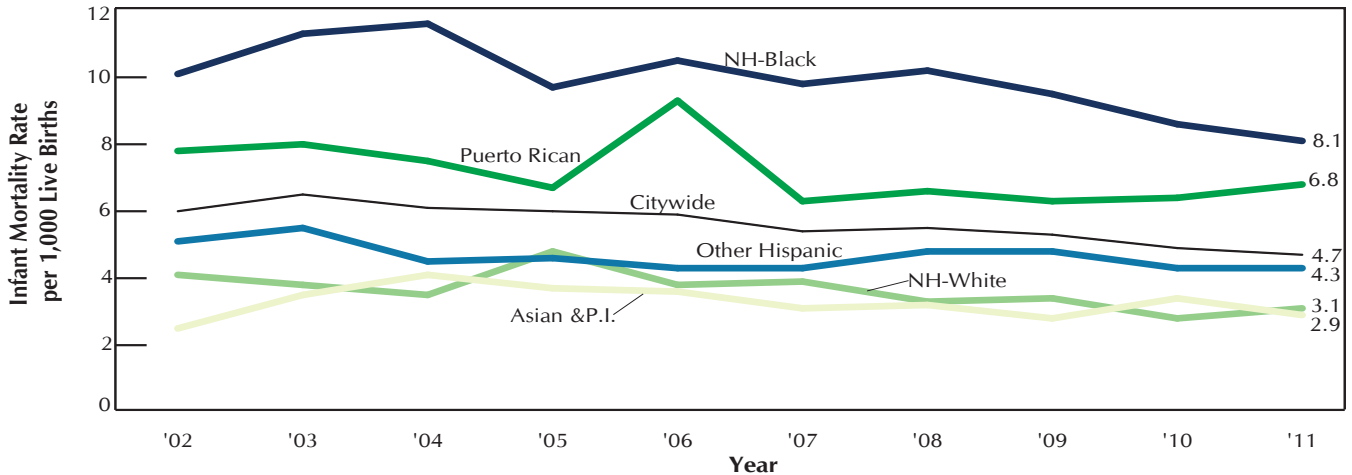


*See Technical Note in Summary of Vital Statistics, Population and Mortality Report: Drug-Related Deaths.

- In 2011, the 3 leading causes of accidental deaths are unintentional drug overdose, followed by falls, and motor vehicle accidents.
- Since 2002, crude death rates for all three have decreased: motor vehicle accidents by 33.3%, unintentional drug overdose by 22.8%, and falls by 12.5%.
- Rates of accidental death due to smoke, fire or flame exposure; suffocation; and drowning and submersion are lower: all less than 1 death per 100,000 in 2011.

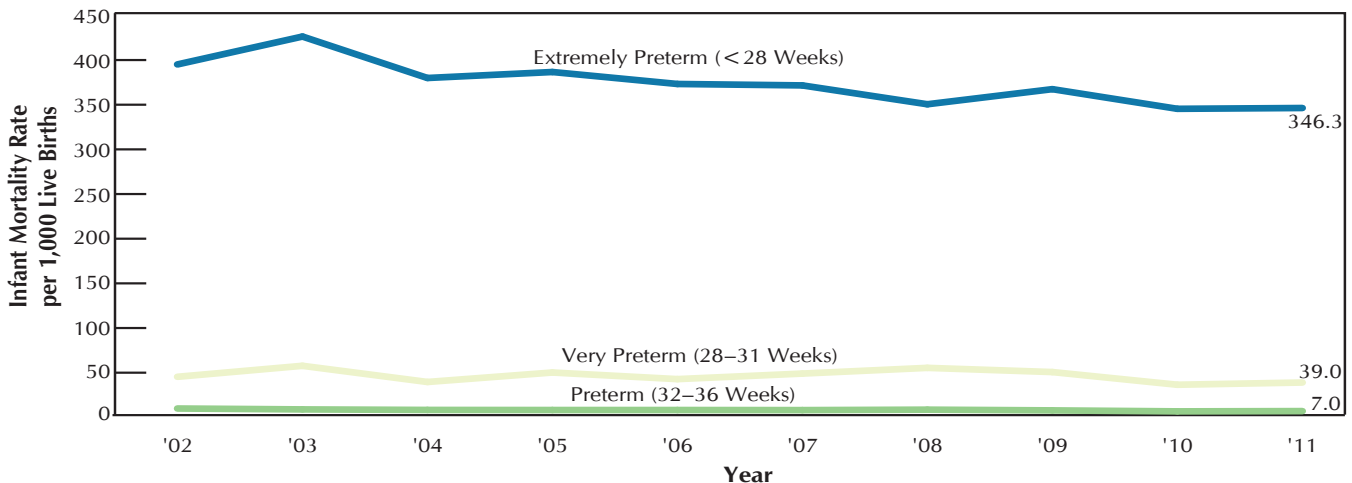
INFANT MORTALITY

Infant Mortality Rate by Mother's Racial/Ethnic Group, New York City, 2002–2011



- The infant mortality rate reached a new historic low of 4.7 infant deaths per 1,000 live births in 2011. Both the Take Care New York goal of a citywide infant mortality rate of 5.0 by 2012 and the Healthy People 2020 goal of 6.0 have already been met.
- From 2002 to 2011, the infant mortality rate has declined 24% for infants born to non-Hispanic whites, 20% for infants born to non-Hispanic blacks, 13% for infants born to Puerto Ricans, and 16% for infants born to other Hispanics. The infant mortality rate for infants born to Asian and Pacific Islanders has fluctuated from a low of 2.5 in 2002 to a high of 4.1 in 2004.
- The racial/ethnic gap in infant mortality rate also declined. For example, the absolute difference in non-Hispanic black and non-Hispanic white infant mortality rates declined from 6 infant deaths per 1,000 births in 2002 to 5 in 2011.

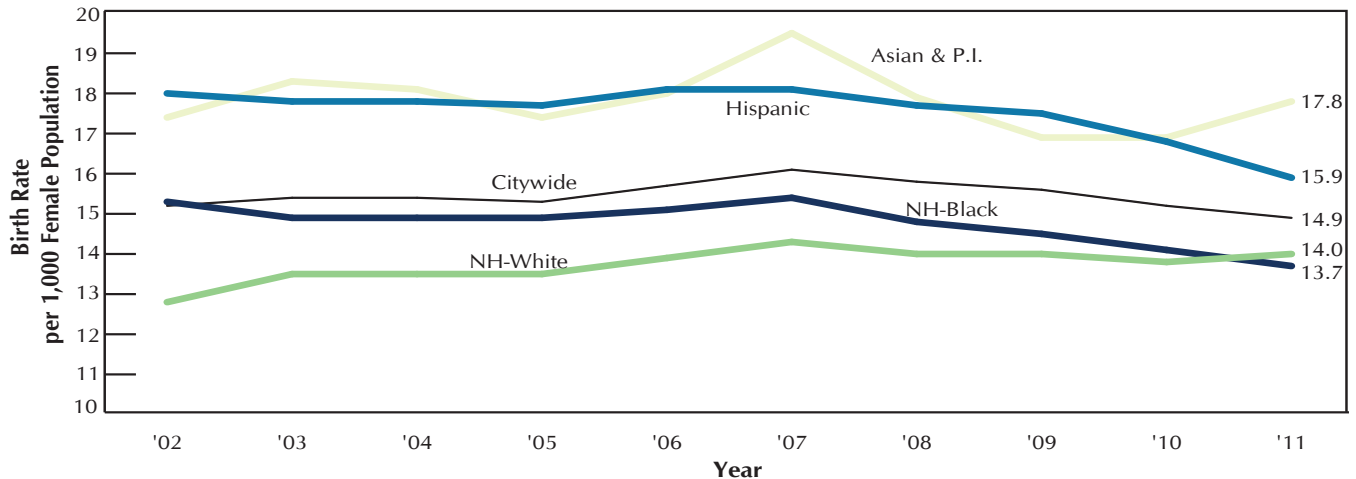
Infant Mortality Rate among Preterm Live Births, New York City, 2002–2011



- In 2011, the less than 2% of infants born extremely preterm or very preterm continued to be at high risk for death; the infant mortality rates were 346 and 39 deaths per 1,000 live births, respectively, for these groups.
- While the proportion of extremely and very preterm births remains virtually unchanged since 2002, at approximately 1.7% of live births (data not shown), the mortality rate for extremely preterm and very preterm infants declined 12% and 14%, respectively, contributing to the reduction in the infant mortality rate.
- The risk of death among preterm infants, at 7 deaths per 1,000 live births in 2011, is much lower than the risk among very preterm and extremely preterm births; it has decreased nearly 30% over the last 10 years.

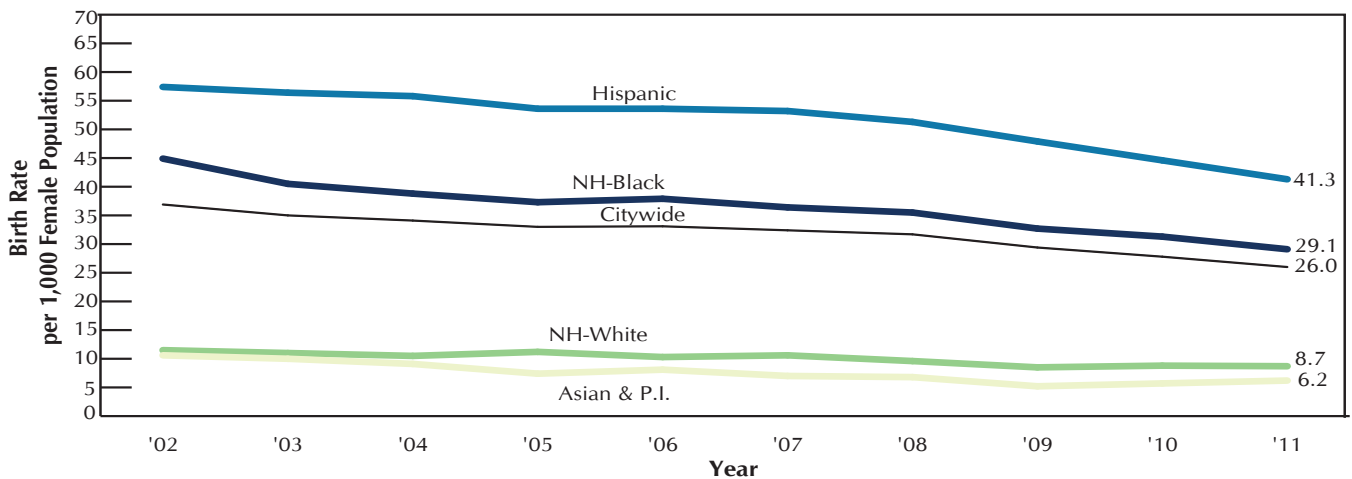
BIRTHS

Birth Rate by Mother's Racial/Ethnic Group, New York City, 2002–2011



- The citywide birth rate recently peaked at 16.1 per 1,000 population in 2007, up from 15.2 in 2002, and, since then, has decreased 7.5% over the last 4 years, reaching 14.9 in 2011.
- From 2002-2011, birth rates fluctuated by racial/ethnic group, with a 9.4% increase among non-Hispanic whites, a 2.3% increase among Asians and Pacific Islanders, a 10.5% decrease among non-Hispanic blacks and an 11.7% decrease among Hispanics.

Teen (Age 15–19) Birth Rate by Racial/Ethnic Group, New York City, 2002–2011

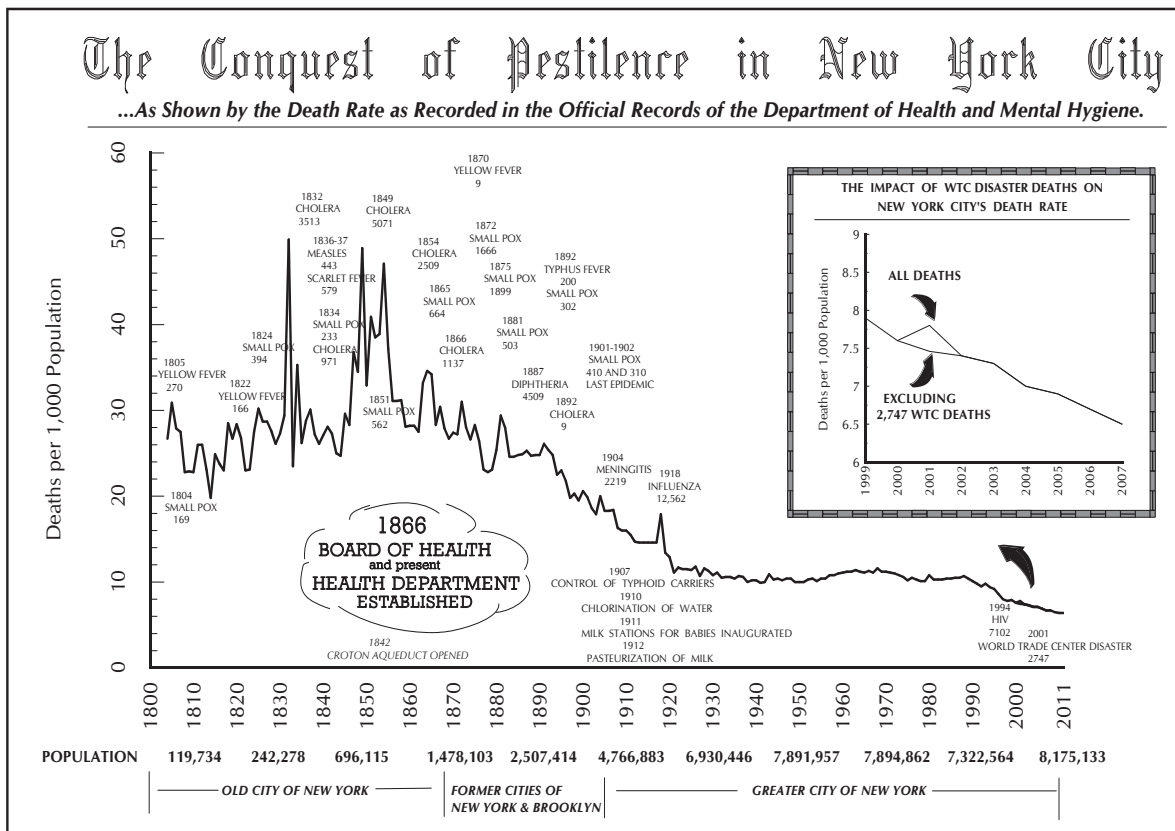


- From 2002 to 2011, teen birth rates declined 29.5%, although racial/ethnic disparities persist.
- The largest decrease occurred among Asians and Pacific Islanders with a 41.5% decrease – they have the lowest teen birth rate, at 6.2 births per 1,000 population in 2011 – followed by non-Hispanic blacks with a 35.2% decline, Hispanics with a 28.0% decline, and non-Hispanic whites with a 24.3% decline.
- In 2011, Hispanics and non-Hispanic blacks had the highest teen birth rates at 41.3 and 29.1 live births per 1,000 population, respectively.

SUMMARY OF VITAL STATISTICS 2011

THE CITY OF NEW YORK

MORTALITY



Michael R. Bloomberg, Mayor

Thomas Farley, MD, MPH, Commissioner

SUMMARY OF VITAL STATISTICS 2011 THE CITY OF NEW YORK MORTALITY

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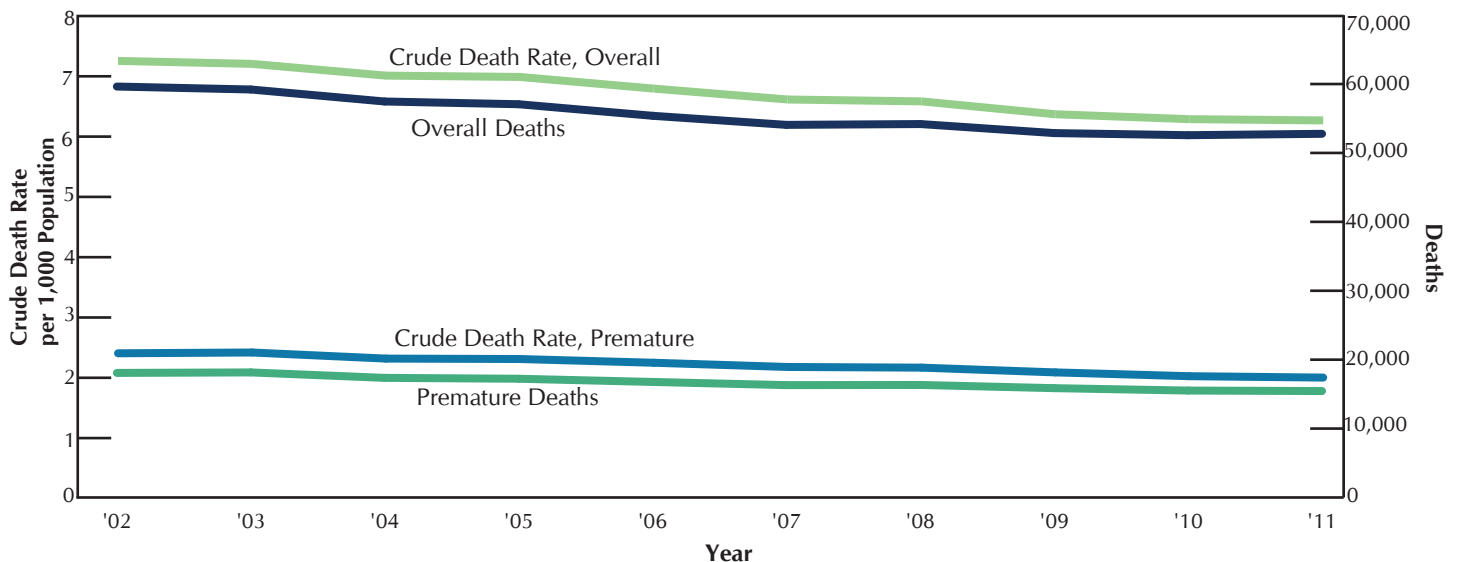
MORTALITY OVERVIEW

This section gives a broad understanding of New York City mortality by cause and examines leading and select causes by demographic characteristics. 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. 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, homicides and suicides, and some natural causes, especially sudden deaths.

Select Key Findings:

- In 2010, NYC's life expectancy at birth reached 80.9 years (preliminary data for latest year available). This is a 3.9% (3 year) increase since 2001 and a 0.4% (5 month) increase since 2009. The greatest increase across the major racial/ethnic groups was in non-Hispanic blacks, whose life expectancy at birth increased 3 years, 10 months from 2001 to 2010 to 77.2 years, exceeding the gains seen among non-Hispanic whites and Hispanics (Figures 4 and 5).
- In 2011, the NYC death rate stabilized at its 2010 historic low of 6.4 deaths per 1,000 population, with 52,789 deaths in 2011. This is a 13.5% decline since 2002 (Figure 1).
- From 2002 to 2011, all-cause age-adjusted death rates decreased across all racial/ethnic groups. These rates were consistently highest among non-Hispanic blacks followed by non-Hispanic whites, Hispanics, and Asians and Pacific Islanders. However, gaps between these rates have narrowed, indicative of some reduction in health disparities (Figure 2).
- Heart disease, cancer, and influenza/pneumonia continue to rank as the 3 leading causes of death; they decreased 32.5%, 4.2% and 2.9%, respectively, from 2002 to 2011. Heart disease decreased 17% since 2009, in part due to efforts to improve the accuracy of cause of death reporting (Table 1).
- Overall, the crude rate of premature death (before age 65) has declined 16.0% since 2002 to 2.1 deaths per 1,000 population (Figure 1). The leading causes of premature deaths are cancer, followed by heart disease and, for the first time ranking 3rd, drug-related deaths (drug use/poisoning), replacing HIV infection. (Figure 9).
- The HIV-related mortality rate continues to decline at a faster rate than other causes of death, down 8.8%, since 2010, and 56.1% since 2002 to 9.3 deaths per 100,000 population in 2011 (Table 1).

Figure 1. Number of Deaths and Crude Death Rates, Overall and Premature (< 65 Years), New York City, 2002–2011



MORTALITY OVERVIEW (CONTINUED)

- From 2002 to 2011, all-cause age-adjusted death rates decreased across all racial/ethnic groups. These rates were consistently highest among non-Hispanic blacks followed by non-Hispanic whites, Hispanics, and Asians and Pacific Islanders. However, gaps between these rates have narrowed, indicative of some reduction in health disparities.
- From 2002 to 2011, the largest percent declines were seen among non-Hispanic whites (18.9%), followed by non-Hispanic blacks (18.3%), Hispanics (12.1%), and then Asians and Pacific Islanders (9.5%).

Figure 2. Age-adjusted Death Rates by Racial/Ethnic Group, New York City, 2002–2011

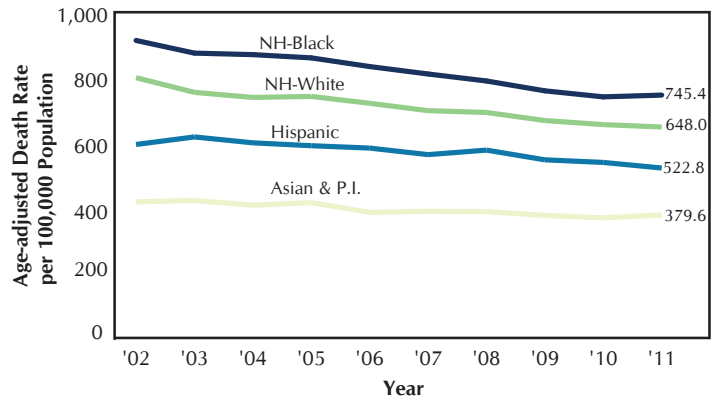
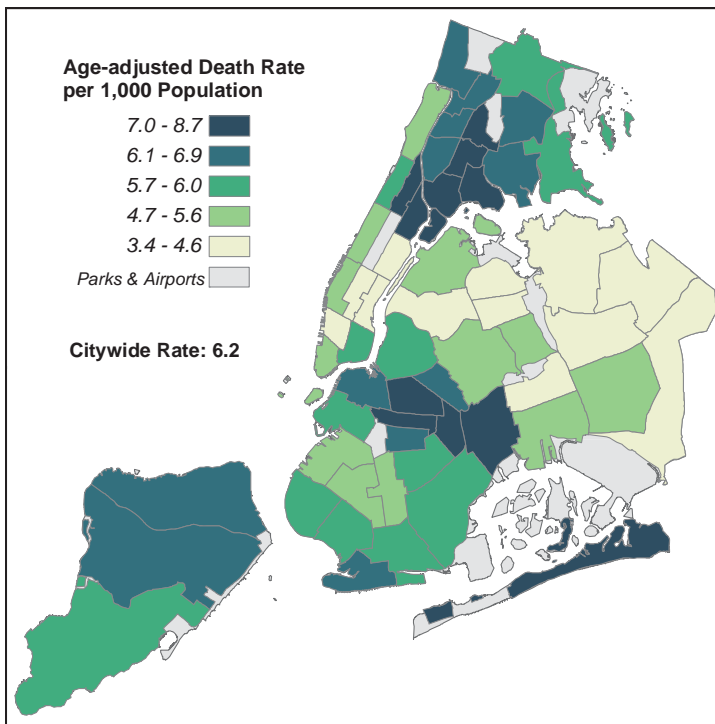


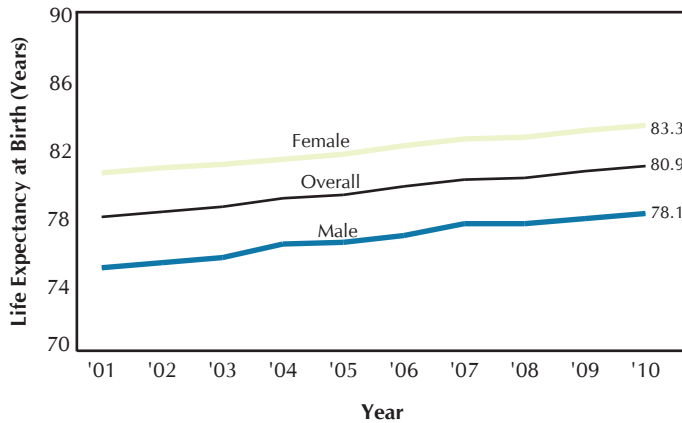
Figure 3. Age-adjusted Death Rates by Community District of Residence, New York City, 2011



- In 2011, New York City's age-adjusted death rates were lowest in Bayside at 3.4 deaths per 1,000 population, followed by Queens Village at 4.1, Upper East Side at 4.2, Elmhurst/Corona at 4.3 and Murray Hill at 4.4.
- Age-adjusted death rates were highest in Brownsville at 8.7 deaths per 1,000 population followed by Central Harlem at 8.5, Bedford Stuyvesant at 8.3, The Rockaways at 8.2 and East Harlem at 8.1.

LIFE EXPECTANCY

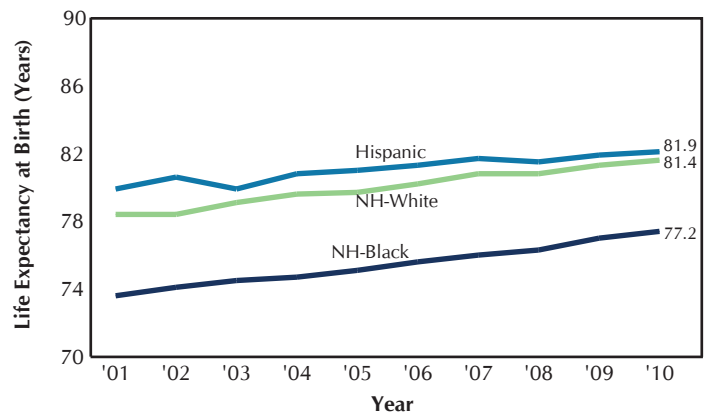
Figure 4. Life Expectancy at Birth, Overall and by Sex, New York City, 2001–2010



- In 2010, NYC’s life expectancy at birth reached 80.9 years (preliminary data for latest year available). This is a 3.9% (3 year) increase since 2001 and a 0.4% (5 month) increase since 2009.
- Among males, life expectancy at birth reached 78.1, a 3 year, 2 month gain and among females, it reached 83.3, a 2 year, 10 month gain, since 2001. Life expectancy increased 5 months for males and females from 2009 to 2010.

- The greatest increase across the major racial/ethnic groups was in non-Hispanic blacks, whose life expectancy at birth increased 3 years, 10 months from 2001 to 2010 to 77.2 years, exceeding the gains seen among non-Hispanic whites and Hispanics.
- Since 2001, life expectancy at birth increased 3 years, 2 months among non-Hispanic whites to 81.4 years and 3 years among Hispanics to 81.9 years.
- Data for Asians and Pacific Islanders are not displayed because the required single year of age population denominators are too small to produce reliable estimates (See Technical Notes, Life Expectancy).

Figure 5. Life Expectancy at Birth by Racial/Ethnic Group, New York City, 2001–2010



LEADING CAUSES OF DEATH

Table 1. Top 10 Leading Causes of Death, NYC — 2002, 2010 and 2011

Cause	2011		2010			2002		
	Rank	Death Rate per 100,000 Population	Rank	Death Rate per 100,000 Population	Change to 2011 (%)	Rank	Death Rate per 100,000 Population	Change to 2011 (%)
Diseases of Heart*	1	205.0	1	219.0	-6.4%	1	303.8	-32.5%
Malignant Neoplasms	2	163.0	2	162.9	0.1%	2	170.2	-4.2%
Influenza and Pneumonia	3	30.2	3	30.0	0.7%	3	31.1	-2.9%
Chronic Lower Respiratory Diseases	4	21.5	5	21.0	2.4%	7	21.1	1.9%
Diabetes Mellitus	5	21.5	4	20.9	2.9%	6	21.1	1.9%
Cerebrovascular Diseases	6	21.2	6	19.3	9.8%	4	23.0	-7.8%
Accidents Except Poisoning by Psychoactive Substances	7	12.3	8	11.4	7.9%	8	14.6	-15.8%
Essential Hypertension and Hypertensive Renal Diseases	8	11.7	7	12.8	-8.6%	10	9.0	30.0%
Human Immunodeficiency Virus (HIV) Disease	9	9.3	9	10.2	-8.8%	5	21.2	-56.1%
Use of or Poisoning by Psychoactive Substances†	10	9.2	10	8.1	13.6%	9	11.2	-17.9%

*Please see 2010 Mortality – Special Section: Cause of Death Quality Improvement Initiative for information on the initiative's impact on cause of death reporting, particularly heart disease reporting.

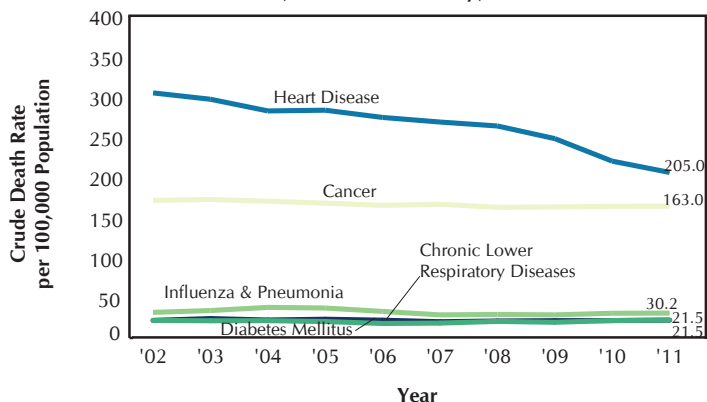
†See Technical Note in Summary of Vital Statistics, Mortality Report: Drug-Related Deaths for definition.

- Heart disease, malignant neoplasm (cancer), and influenza/pneumonia continue to rank as the 3 leading causes of death; death rates for all 3 have declined in the last decade, down 32.5%, 4.2%, and 2.7%, respectively.
- Chronic lower respiratory diseases, diabetes mellitus, and cerebrovascular diseases (mostly stroke) are the 4th, 5th and 6th leading causes of death in 2011. These death rates have remained relatively stable over the past 10 years ranging from a low of 17.3, 19.5 and 17.3 to a high of 21.5, 23.6 and 23.2 deaths per 100,000 population, respectively.
- The HIV-related mortality rate continues to decline at a faster rate than other causes of death, down 8.8%, since 2010, and 56.1% since 2002 to 9.3 deaths per 100,000 population in 2011.
- The rate of essential hypertension and hypertensive renal disease death increased 30.2% in the past 10 years.

LEADING CAUSES OF DEATH

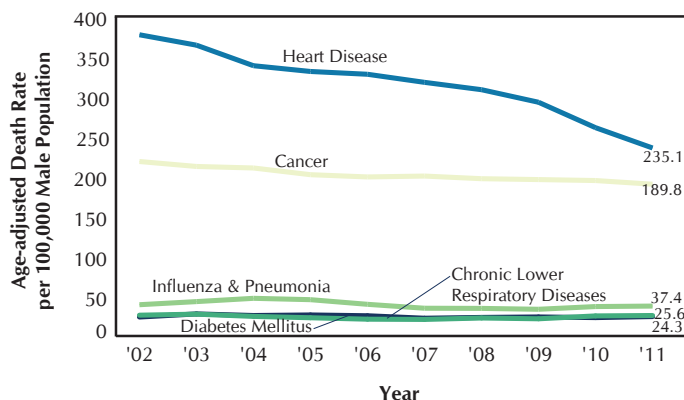
- Heart disease, malignant neoplasms (cancer) and influenza/pneumonia continue to rank as the 3 leading causes of death. From 2002 to 2011, crude death rates decreased by 32.5%, 4.2% and 2.9% respectively.
- Since 2009, heart disease has decreased 17%, which is partly due to efforts to improve the accuracy of cause of death reporting.*
- Crude death rates for chronic lower respiratory diseases and diabetes mellitus have remained relatively stable and similar, both at 21.5 deaths per 100,000 population in 2011.

Figure 6. Crude Death Rates from Leading Causes, New York City, 2002–2011



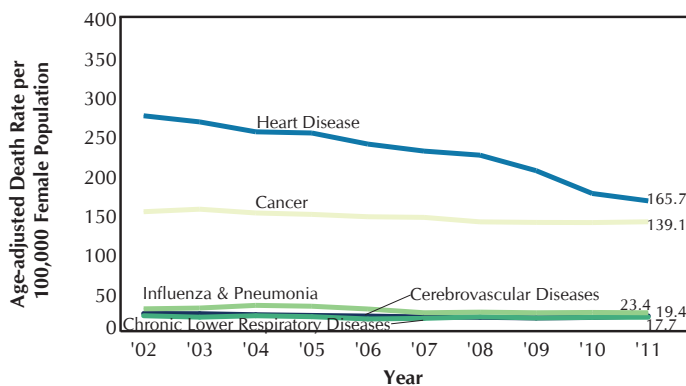
*Please see 2010 Mortality – Special Section: Cause of Death Quality Improvement Initiative for information on the initiative’s impact on cause of death reporting, particularly heart disease reporting.

Figure 7. Age-adjusted Death Rates for Leading Causes among Males, New York City, 2002–2011



- In 2011, the 5 leading causes of death among males mirror citywide leading causes of death. All except diabetes decreased since 2002.
- From 2002-2011, rates of 4 of the five leading causes of death among males decreased: heart disease decreased 37.6%; cancer decreased 13.0%; influenza and pneumonia decreased 4.3%, and chronic lower respiratory diseases decreased 1.5%.
- Diabetes death rates among males increased 2.5% to 24.3 deaths per 100,000 population.

Figure 8. Age-adjusted Death Rates for Leading Causes among Females, New York City, 2002–2011



- In 2011, the 3 leading causes of death among females mirror those among males and citywide. The fourth leading cause of death was cerebrovascular disease followed by chronic lower respiratory disease.
- From 2002-2011, death rates of the 5 leading causes of death among females decreased: heart disease decreased 39.5%; cancer decreased 8.4%; influenza and pneumonia decreased 17.6%; cerebrovascular disease decreased 13.4%; and chronic lower respiratory diseases decreased 9.7%.

LEADING CAUSES OF DEATH

Table 2. Leading Causes of Death in Specified Age Groups Overall and by Sex, New York City, 2011

Rank	ALL AGES	All		Male		Female	
		Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Heart Disease	16,900	32.0	7,817	30.4	9,083	33.5
2	Malignant Neoplasms	13,443	25.5	6,569	25.6	6,874	25.4
3	Influenza and Pneumonia	2,492	4.7	1,207	4.7	1,285	4.7
4	Chronic Lower Respiratory Diseases	1,774	3.4	849	3.3	925	3.4
5	Diabetes Mellitus	1,770	3.4	846	3.3	924	3.4
6	Cerebrovascular Diseases	1,750	3.3	720	2.8	1,030	3.8
7	Accidents Except Poisoning by Psychoactive Substance	1,018	1.9	659	2.6	359	1.3
8	Essential Hypertension and Hypertensive Renal Disease	966	1.8	406	1.6	560	2.1
9	Human Immunodeficiency Virus (HIV) Disease	766	1.5	528	2.1	238	0.9
10	Use of or Poisoning by Psychoactive Substance	758	1.4	547	2.1	211	0.8
	All Other Causes	11,152	21.1	5,535	21.6	5,617	20.7
	Total	52,789	100.0	25,683	100.0	27,106	100.0
Rank	< 1 YEAR	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Congenital Malformations, Deformations	116	20.1	60	19.4	56	21.0
2	Short Gestation and Low Birthweight	114	19.8	55	17.7	59	22.1
3	Cardiovascular Disorders Originating in the Perinatal Period	70	12.1	33	10.6	37	13.9
4	External Causes	62	10.7	39	12.6	23	8.6
5	Respiratory Distress of Newborn	17	2.9	9	2.9	8	3.0
6	Bacterial Sepsis of Newborn	13	2.3	7	2.3	6	2.2
7	Newborn Affected by Complications of Pregnancy	12	2.1	7	2.3	5	1.9
7	Other Respiratory Conditions Originating in the Perinatal Period	12	2.1	8	2.6	4	1.5
9	Newborn Affected by Complications of Placenta	11	1.9	8	2.6	3	1.1
9	Heart Disease	11	1.9	7	2.3	4	1.5
	All Other Causes	139	24.1	77	24.8	62	23.2
	Total	577	100.0	310	100.0	267	100.0
Rank	1 - 14 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	54	26.7	29	25.4	25	28.4
2	Congenital Malformations, Deformations	27	13.4	17	14.9	10	11.4
3	Accidents Except Poisoning by Psychoactive Substance	19	9.4	11	9.6	8	9.1
4	Assault (Homicide)	11	5.4	7	6.1	4	4.5
4	Chronic Lower Respiratory Diseases	11	5.4	9	7.9	2	2.3
6	Influenza and Pneumonia	8	4.0	4	3.5	4	4.5
7	Heart Disease	5	2.5	2	1.8	3	3.4
	All Other Causes	67	33.2	35	30.7	32	36.4
	Total	202	100.0	114	100.0	88	100.0
Rank	15 - 24 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Assault (Homicide)	162	27.9	140	32.4	22	14.9
2	Accidents Except Poisoning by Psychoactive Substance	71	12.2	61	14.1	10	6.8
3	Intentional Self-harm (Suicide)	64	11.0	48	11.1	16	10.8
4	Malignant Neoplasms	55	9.5	33	7.6	22	14.9
5	Use of or Poisoning by Psychoactive Substance	38	6.6	27	6.3	11	7.4
6	Heart Disease	22	3.8	17	3.9	5	3.4
7	Congenital Malformations, Deformations	21	3.6	14	3.2	7	4.7
8	Human Immunodeficiency Virus (HIV) Disease	16	2.8	13	3.0	3	2.0
9	Anemias	11	1.9	10	2.3	1	0.7
10	Chronic Lower Respiratory Diseases	9	1.6	7	1.6	2	1.4
	All Other Causes	111	19.1	62	14.4	49	33.1
	Total	580	100.0	432	100.0	148	100.0
Rank	25 - 34 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Assault (Homicide)	135	13.7	117	17.5	18	5.6
2	Malignant Neoplasms	133	13.4	65	9.7	68	21.2
3	Use of or Poisoning by Psychoactive Substance	130	13.1	98	14.7	32	10.0
4	Intentional Self-harm (Suicide)	96	9.7	67	10.0	29	9.0
5	Accidents Except Poisoning by Psychoactive Substance	93	9.4	73	10.9	20	6.2
6	Heart Disease	65	6.6	43	6.4	22	6.9
7	Human Immunodeficiency Virus (HIV) Disease	40	4.0	29	4.3	11	3.4
8	Pregnancy, Childbirth, and the Puerperium	22	2.2	-	-	22	6.9
9	Diabetes Mellitus	17	1.7	11	1.6	6	1.9
10	Cerebrovascular Disease	16	1.6	10	1.5	6	1.9
	All Other Causes	242	24.5	155	23.2	87	27.1
	Total	989	100.0	668	100.0	321	100.0

Continued on next page.

**Table 2. Leading Causes of Death in Specified Age Groups Overall and by Sex,
New York City, 2011 (Continued)**

Rank	35 - 44 YEARS	All		Male		Female	
		Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	369	22.4	154	15.4	215	33.4
2	Heart Disease	195	11.9	140	14.0	55	8.6
3	Use of or Poisoning by Psychoactive Substance	158	9.6	109	10.9	49	7.6
4	Human Immunodeficiency Virus (HIV) Disease	125	7.6	77	7.7	48	7.5
5	Accidents Except Poisoning by Psychoactive Substance	103	6.3	80	8.0	23	3.6
6	Assault (Homicide)	81	4.9	69	6.9	12	1.9
7	Intentional Self-harm (Suicide)	77	4.7	63	6.3	14	2.2
8	Chronic Liver Disease and Cirrhosis	45	2.7	32	3.2	13	2.0
9	Diabetes Mellitus	41	2.5	25	2.5	16	2.5
10	Mental Disorders due to Use of Alcohol	35	2.1	30	3.0	5	0.8
10	Cerebrovascular Diseases	35	2.1	21	2.1	14	2.2
	All Other Causes	380	23.1	201	20.1	179	27.8
	Total	1,644	100.0	1,001	100.0	643	100.0
Rank	45 - 54 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	1,198	28.6	548	21.5	650	39.4
2	Heart Disease	780	18.6	554	21.8	226	13.7
3	Human Immunodeficiency Virus (HIV) Disease	287	6.8	183	7.2	104	6.3
4	Use of or Poisoning by Psychoactive Substance	252	6.0	182	7.2	70	4.2
5	Diabetes Mellitus	165	3.9	105	4.1	60	3.6
6	Accidents Except Poisoning by Psychoactive Substance	135	3.2	107	4.2	28	1.7
7	Chronic Liver Disease and Cirrhosis	132	3.1	96	3.8	36	2.2
8	Intentional Self-harm (Suicide)	117	2.8	93	3.7	24	1.5
9	Cerebrovascular Diseases	114	2.7	61	2.4	53	3.2
10	Influenza and Pneumonia	93	2.2	57	2.2	36	2.2
	All Other Causes	920	21.9	557	21.9	363	22.0
	Total	4,193	100.0	2,543	100.0	1,650	100.0
Rank	55 - 64 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	2,676	36.8	1,395	31.7	1,281	44.7
2	Heart Disease	1,746	24.0	1,168	26.5	578	20.2
3	Diabetes Mellitus	301	4.1	162	3.7	139	4.9
4	Human Immunodeficiency Virus (HIV) Disease	213	2.9	159	3.6	54	1.9
5	Cerebrovascular Diseases	209	2.9	127	2.9	82	2.9
6	Viral Hepatitis	186	2.6	141	3.2	45	1.6
7	Chronic Lower Respiratory Diseases	185	2.5	114	2.6	71	2.5
8	Influenza and Pneumonia	175	2.4	110	2.5	65	2.3
9	Chronic Liver Disease and Cirrhosis	166	2.3	128	2.9	38	1.3
9	Use of or Poisoning by Psychoactive Substance	166	2.3	120	2.7	46	1.6
	All Other Causes	1,242	17.1	776	17.6	466	16.3
	Total	7,265	100.0	4,400	100.0	2,865	100.0
Rank	65 - 74 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	3,221	36.7	1,694	34.7	1,527	39.4
2	Heart Disease	2,532	28.9	1,518	31.1	1,014	26.1
3	Diabetes Mellitus	388	4.4	214	4.4	174	4.5
4	Influenza and Pneumonia	308	3.5	188	3.8	120	3.1
5	Cerebrovascular Diseases	297	3.4	159	3.3	138	3.6
6	Chronic Lower Respiratory Diseases	291	3.3	152	3.1	139	3.6
7	Essential Hypertension and Hypertensive Renal Disease	164	1.9	93	1.9	71	1.8
8	Accidents Except Poisoning by Psychoactive Substance	120	1.4	70	1.4	50	1.3
9	Chronic Liver Disease and Cirrhosis	109	1.2	70	1.4	39	1.0
10	Septicemia	78	0.9	44	0.9	34	0.9
	All Other Causes	1,259	14.4	686	14.0	573	14.8
	Total	8,767	100.0	4,888	100.0	3,879	100.0
Rank	75 - 84 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Heart Disease	4,331	35.0	2,056	34.8	2,275	35.1
2	Malignant Neoplasms	3,438	27.8	1,731	29.3	1,707	26.4
3	Influenza and Pneumonia	672	5.4	343	5.8	329	5.1
4	Chronic Lower Respiratory Diseases	554	4.5	273	4.6	281	4.3
5	Cerebrovascular Disease	474	3.8	191	3.2	283	4.4
6	Diabetes Mellitus	458	3.7	190	3.2	268	4.1
7	Essential Hypertension and Hypertensive Renal Disease	222	1.8	94	1.6	128	2.0
8	Alzheimer's Disease	159	1.3	63	1.1	96	1.5
9	Accidents Except Poisoning by Psychoactive Substance	152	1.2	84	1.4	68	1.1
10	Nephritis, Nephrotic Syndrome, and Nephrosis	126	1.0	67	1.1	59	0.9
	All Other Causes	1,796	14.5	814	13.8	982	15.2
	Total	12,382	100.0	5,906	100.0	6,476	100.0
Rank	≥85 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Heart Disease	7,213	44.6	2,312	42.6	4,901	45.5
2	Malignant Neoplasms	2,297	14.2	918	16.9	1,379	12.8
3	Influenza and Pneumonia	1,183	7.3	475	8.8	708	6.6
4	Cerebrovascular Diseases	599	3.7	146	2.7	453	4.2
5	Chronic Lower Respiratory Diseases	595	3.7	228	4.2	367	3.4
6	Alzheimer's Disease	433	2.7	108	2.0	325	3.0
7	Diabetes Mellitus	394	2.4	134	2.5	260	2.4
8	Essential Hypertension and Hypertensive Renal Disease	386	2.4	99	1.8	287	2.7
9	Accidents Except Poisoning by Psychoactive Substance	185	1.1	73	1.3	112	1.0
10	Nephritis, Nephrotic Syndrome, and Nephrosis	160	1.0	75	1.4	85	0.8
	All Other Causes	2,745	17.0	853	15.7	1,892	17.6
	Total	16,190	100.0	5,421	100.0	10,769	100.0

Table 3. Leading Causes of Death by Racial/Ethnic Groups and Sex, New York City, 2011

Rank	Puerto Rican	All		Male		Female	
		Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Heart Disease	1,445	27.6	668	24.7	777	30.7
2	Malignant Neoplasms	1,143	21.8	599	22.1	544	21.5
3	Diabetes Mellitus	250	4.8	130	4.8	120	4.7
4	Influenza and Pneumonia	237	4.5	116	4.3	121	4.8
5	Chronic Lower Respiratory Diseases	191	3.6	85	3.1	106	4.2
6	Human Immunodeficiency Virus (HIV) Disease	186	3.5	123	4.5	63	2.5
7	Cerebrovascular Diseases	162	3.1	63	2.3	99	3.9
8	Use of or Poisoning by Psychoactive Substance	145	2.8	100	3.7	45	1.8
9	Chronic Liver Disease and Cirrhosis	124	2.4	98	3.6	26	1.0
10	Viral Hepatitis	112	2.1	90	3.3	22	0.9
	All Other Causes	1,245	23.8	636	23.5	609	24.1
	Total	5,240	100.0	2,708	100.0	2,532	100.0
Rank	Other Hispanic	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Heart Disease	1,104	26.6	533	24.5	571	28.9
2	Malignant Neoplasms	1,086	26.2	545	25.0	541	27.4
3	Influenza and Pneumonia	190	4.6	93	4.3	97	4.9
4	Cerebrovascular Diseases	164	4.0	84	3.9	80	4.1
5	Diabetes Mellitus	146	3.5	70	3.2	76	3.9
6	Accidents Except Poisoning by Psychoactive Substance	142	3.4	109	5.0	33	1.7
7	Chronic Lower Respiratory Diseases	89	2.1	39	1.8	50	2.5
8	Chronic Liver Disease and Cirrhosis	82	2.0	69	3.2	13	0.7
9	Assault (Homicide)	71	1.7	62	2.8	9	0.5
10	Intentional Self-harm (Suicide)	65	1.6	53	2.4	12	0.6
	All Other Causes	1,012	24.4	520	23.9	492	24.9
	Total	4,151	100.0	2,177	100.0	1,974	100.0
Rank	Asian and Pacific Islander	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	1,004	30.1	550	30.3	454	29.7
2	Heart Disease	854	25.6	452	24.9	402	26.3
3	Influenza and Pneumonia	178	5.3	94	5.2	84	5.5
4	Cerebrovascular Diseases	177	5.3	79	4.4	98	6.4
5	Diabetes Mellitus	111	3.3	60	3.3	51	3.3
6	Accidents Except Poisoning by Psychoactive Substance	105	3.1	61	3.4	44	2.9
7	Chronic Lower Respiratory Diseases	103	3.1	73	4.0	30	2.0
8	Essential Hypertension and Hypertensive Renal Disease	83	2.5	37	2.0	46	3.0
9	Intentional Self-harm (Suicide)	73	2.2	50	2.8	23	1.5
10	Alzheimer's Disease	42	1.3	18	1.0	24	1.6
	All Other Causes	611	18.3	340	18.7	271	17.7
	Total	3,341	100.0	1,814	100.0	1,527	100.0
Rank	Non-Hispanic White	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Heart Disease	9,236	36.2	4,220	34.9	5,016	37.3
2	Malignant Neoplasms	6,595	25.8	3,222	26.7	3,373	25.1
3	Influenza and Pneumonia	1,342	5.3	646	5.3	696	5.2
4	Chronic Lower Respiratory Diseases	954	3.7	444	3.7	510	3.8
5	Cerebrovascular Diseases	756	3.0	290	2.4	466	3.5
6	Diabetes Mellitus	511	2.0	258	2.1	253	1.9
7	Accidents Except Poisoning by Psychoactive Substance	456	1.8	272	2.2	184	1.4
8	Use of or Poisoning by Psychoactive Substance	342	1.3	254	2.1	88	0.7
9	Essential Hypertension and Hypertensive Renal Disease	341	1.3	142	1.2	199	1.5
10	Alzheimer's Disease	320	1.3	89	0.7	231	1.7
	All Other Causes	4,696	18.4	2,253	18.6	2,443	18.2
	Total	25,549	100.0	12,090	100.0	13,459	100.0
Rank	Non-Hispanic Black	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Heart Disease	4,083	29.4	1,840	28.1	2,243	30.5
2	Malignant Neoplasms	3,508	25.2	1,590	24.3	1,918	26.1
3	Diabetes Mellitus	717	5.2	307	4.7	410	5.6
4	Influenza and Pneumonia	516	3.7	243	3.7	273	3.7
5	Cerebrovascular Diseases	481	3.5	200	3.1	281	3.8
6	Chronic Lower Respiratory Diseases	421	3.0	200	3.1	221	3.0
6	Human Immunodeficiency Virus (HIV) Disease	421	3.0	277	4.2	144	2.0
8	Essential Hypertension and Hypertensive Renal Disease	379	2.7	154	2.4	225	3.1
9	Assault (Homicide)	318	2.3	266	4.1	52	0.7
10	Accidents Except Poisoning by Psychoactive Substance	209	1.5	133	2.0	76	1.0
	All Other Causes	2,857	20.5	1,339	20.4	1,518	20.6
	Total	13,910	100.0	6,549	100.0	7,361	100.0

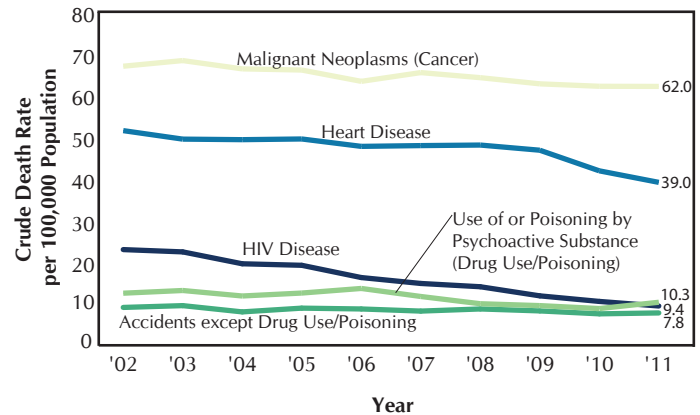
Note: For each racial/ethnic group, the 10 leading causes of death are listed in decreasing order of frequency for that racial/ethnic group overall.

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

PREMATURE DEATH

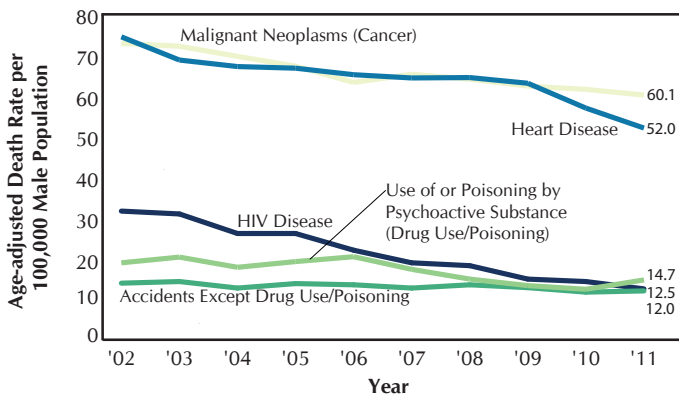
- In 2011, the 5 leading causes of premature death (before age 65) were cancer, followed by heart disease, use of or poisoning by psychoactive substance (drug use/poisoning), HIV infection, and accidents other than drug use/poisoning.
- Over the past 10 years, the HIV-related mortality rate decreased 59.0%, heart disease, 24.1%, and drug use/poisoning, 14.3%.
- The continuing decline in HIV-related mortality is attributed to HIV prevention efforts and increased use and effectiveness of anti-retroviral drugs. The recent decline in heart disease is partly due to efforts to improve the accuracy of cause of death reporting.*

Figure 9. Crude Death Rates for Leading Causes of Premature Death (Age < 65), New York City, 2002–2011



*Please see 2010 Mortality – Special Section: Cause of Death Quality Improvement Initiative for information on the initiative’s impact on cause of death reporting, particularly heart disease reporting.

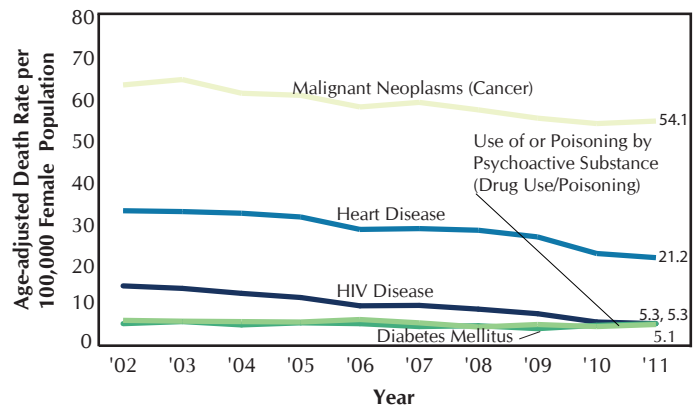
Figure 10. Age-adjusted Death Rates for Leading Causes of Premature Death (Age < 65) among Males, New York City, 2002–2011



*Please see 2010 Mortality – Special Section: Cause of Death Quality Improvement Initiative for information on the initiative’s impact on cause of death reporting, particularly heart disease reporting.

- In 2011, the leading causes of premature deaths among NYC males mirror citywide causes: cancer, followed by heart disease, drug use/ poisoning, HIV, and accidents except drug use/poisoning.
- Reductions occurred in the rates of the 5 leading causes of premature death among men since 2002: HIV by 60.4%; heart disease by 30.1%*, drug use/poisoning by 22.2%; cancer by 17.4%, and accidents except drug use/poisoning by 13.7%.

Figure 11. Age-adjusted Death Rates for Leading Causes of Premature Death (Age < 65) among Females, New York City, 2002–2011



*Please see 2010 Mortality – Special Section: Cause of Death Quality Improvement Initiative for information on the initiative’s impact on cause of death reporting, particularly heart disease reporting.

- In 2011, the leading causes of premature deaths among NYC females were cancer, followed by heart disease, HIV infection, diabetes mellitus, and drug use/poisoning.
- Age-adjusted death rates due to HIV, heart disease*, drug use/poisoning and cancer all decreased, 63.2%, 35.0%, 16.4% and 13.9% respectively since 2002. The death rate due to diabetes remained relatively stable.

PREMATURE DEATH

**Table 4. Leading Causes of Premature Death (Age < 65) by Racial/
Ethnic Groups and Sex, New York City, 2011**

Rank	Puerto Rican	All		Male		Female	
		Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	441	21.9	236	18.7	205	27.2
2	Heart Disease	327	16.2	206	16.3	121	16.0
3	Human Immunodeficiency Virus (HIV) Disease	163	8.1	105	8.3	58	7.7
4	Use of or Poisoning by Psychoactive Substance	141	7.0	98	7.8	43	5.7
5	Viral Hepatitis	97	4.8	80	6.3	17	2.3
6	Chronic Liver Disease and Cirrhosis	81	4.0	68	5.4	13	1.7
7	Diabetes Mellitus	76	3.8	42	3.3	34	4.5
8	Assault (Homicide)	61	3.0	51	4.0	10	1.3
9	Accidents Except Poisoning by Psychoactive Substance	58	2.9	51	4.0	7	0.9
10	Chronic Lower Respiratory Diseases	51	2.5	22	1.7	29	3.8
	All Other Causes	520	25.8	302	23.9	218	28.9
	Total	2,016	100.0	1,261	100.0	755	100.0
Rank	Other Hispanic	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	435	27.9	221	21.4	214	41.0
2	Heart Disease	233	15.0	170	16.4	63	12.1
3	Accidents Except Poisoning by Psychoactive Substance	105	6.7	85	8.2	20	3.8
4	Assault (Homicide)	68	4.4	59	5.7	9	1.7
5	Intentional Self-harm (Suicide)	56	3.6	46	4.4	10	1.9
5	Use of or Poisoning by Psychoactive Substance	56	3.6	45	4.3	11	2.1
7	Chronic Liver Disease and Cirrhosis	54	3.5	51	4.9	3	0.6
8	Cerebrovascular Diseases	48	3.1	34	3.3	14	2.7
9	Diabetes Mellitus	41	2.6	22	2.1	19	3.6
10	Human Immunodeficiency Virus (HIV) Disease	40	2.6	34	3.3	6	1.1
	All Other Causes	421	27.0	268	25.9	153	29.3
	Total	1,557	100.0	1,035	100.0	522	100.0
Rank	Asian and Pacific Islander	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	372	37.5	192	31.3	180	47.6
2	Heart Disease	175	17.7	125	20.4	50	13.2
3	Intentional Self-harm (Suicide)	54	5.4	39	6.4	15	4.0
4	Cerebrovascular Diseases	48	4.8	32	5.2	16	4.2
5	Accidents Except Poisoning by Psychoactive Substance	40	4.0	27	4.4	13	3.4
6	Diabetes Mellitus	30	3.0	22	3.6	8	2.1
7	Influenza and Pneumonia	22	2.2	9	1.5	13	3.4
8	Congenital Malformations, Deformations	18	1.8	12	2.0	6	1.6
9	Chronic Liver Disease and Cirrhosis	17	1.7	13	2.1	4	1.1
10	Viral Hepatitis	15	1.5	13	2.1	2	0.5
	All Other Causes	200	20.2	129	21.0	71	18.8
	Total	991	100.0	613	100.0	378	100.0
Rank	Non-Hispanic White	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	1,807	34.7	943	28.9	864	44.6
2	Heart Disease	983	18.9	720	22.1	263	13.6
3	Use of or Poisoning by Psychoactive Substance	339	6.5	252	7.7	87	4.5
4	Accidents Except Poisoning by Psychoactive Substance	197	3.8	151	4.6	46	2.4
5	Intentional Self-harm (Suicide)	191	3.7	145	4.4	46	2.4
6	Diabetes Mellitus	134	2.6	89	2.7	45	2.3
7	Chronic Liver Disease and Cirrhosis	126	2.4	80	2.5	46	2.4
8	Influenza and Pneumonia	116	2.2	72	2.2	44	2.3
9	Chronic Lower Respiratory Diseases	111	2.1	75	2.3	36	1.9
10	Human Immunodeficiency Virus (HIV) Disease	86	1.7	67	2.1	19	1.0
	All Other Causes	1,111	21.4	669	20.5	442	22.8
	Total	5,201	100.0	3,263	100.0	1,938	100.0
Rank	Non-Hispanic Black	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	1,385	25.4	609	19.4	776	33.5
2	Heart Disease	1,071	19.7	682	21.8	389	16.8
3	Human Immunodeficiency Virus (HIV) Disease	375	6.9	243	7.8	132	5.7
4	Assault (Homicide)	309	5.7	261	8.3	48	2.1
5	Diabetes Mellitus	239	4.4	124	4.0	115	5.0
6	Use of or Poisoning by Psychoactive Substance	195	3.6	130	4.1	65	2.8
7	Cerebrovascular Diseases	172	3.2	94	3.0	78	3.4
8	Accidents Except Poisoning by Psychoactive Substance	148	2.7	107	3.4	41	1.8
9	Chronic Lower Respiratory Diseases	143	2.6	78	2.5	65	2.8
10	Essential Hypertension and Renal Diseases	116	2.1	67	2.1	49	2.1
	All Other Causes	1,295	23.8	740	23.6	555	24.0
	Total	5,448	100.0	3,135	100.0	2,313	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.

PREMATURE DEATH

- This figure features Years of Potential Life Lost (YPLL) by sex and cause of death. YPLL estimates the number of years of life lost due to a person dying before their expected life expectancy (age 75), i.e., a person dying at age 65 would have lost 10 years of life. The estimates for each premature death are added together to get the total YPLL for the population.
- Nearly two thirds (61.2%) of YPLL are among men versus more than a third (38.8%) among women. For many leading causes of death, males have twice the number of YPLL than females.
- Cancer and heart disease, the two leading causes of death, were responsible for nearly 41% of YPLL in 2011.
- Use of or poisoning by psychoactive substance, homicide, and accident are responsible for another 14.3% of YPLL in 2011.

Figure 12. Years of Potential Life Lost (YPLL) Before Age 75 by Sex and Selected Causes of Death, New York City, 2011

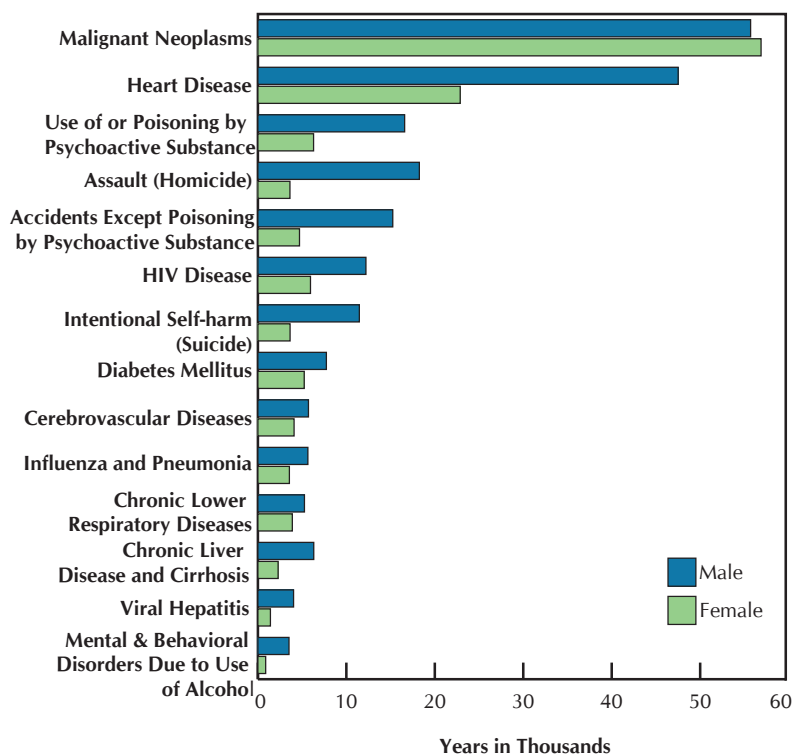


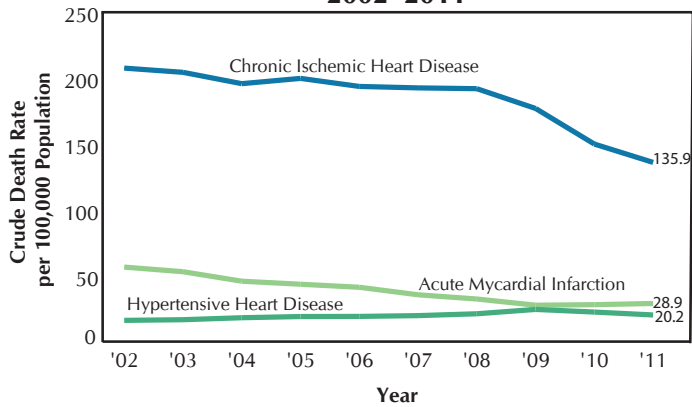
Table 5. Years of Potential Life Lost (YPLL) Before Age 75 by Sex and Selected Causes of Death, New York City, 2011

Cause of Death	All		Male		Female	
	YPLL	%	YPLL	%	YPLL	%
Total	451,210	100.0	276,092	100.0	175,118	100.0
Malignant Neoplasms	112,589	25.0	55,703	20.2	56,886	32.5
Trachea, bronchus, and lung	20,447	4.5	11,436	4.1	9,011	5.1
Colon, rectum, and anus	10,082	2.2	5,385	2.0	4,697	2.7
Breast	11,814	2.6	19	0.0	11,795	6.7
Leukemia	6,668	1.5	4,050	1.5	2,618	1.5
Pancreas	6,593	1.5	3,608	1.3	2,985	1.7
Heart Disease	70,382	15.6	47,511	17.2	22,871	13.1
Use of or Poisoning by Psychoactive Substance	22,884	5.1	16,590	6.0	6,294	3.6
Assault (Homicide)	21,876	4.8	18,253	6.6	3,623	2.1
Accidents Except Poisoning by Psychoactive Substance	19,951	4.4	15,248	5.5	4,703	2.7
Motor vehicle	7,650	1.7	5,792	2.1	1,858	1.1
HIV Disease	18,159	4.0	12,214	4.4	5,945	3.4
Intentional Self-harm (Suicide)	15,106	3.3	11,468	4.2	3,638	2.1
Diabetes Mellitus	12,977	2.9	7,742	2.8	5,235	3.0
Cerebrovascular Diseases	9,807	2.2	5,716	2.1	4,091	2.3
Influenza and Pneumonia	9,211	2.0	5,651	2.0	3,560	2.0
Chronic Lower Respiratory Diseases	9,156	2.0	5,263	1.9	3,893	2.2
Chronic Liver Disease and Cirrhosis	8,601	1.9	6,316	2.3	2,285	1.3
Viral Hepatitis	5,449	1.2	4,033	1.5	1,416	0.8
Mental and Behavioral Disorders Due to Use of Alcohol	4,396	1.0	3,517	1.3	879	0.5
All Other Causes	110,666	24.5	60,867	22.0	49,799	28.4

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

HEART DISEASE

Figure 13. Crude Death Rates for 3 Leading Causes of Heart Disease Death*, New York City, 2002–2011

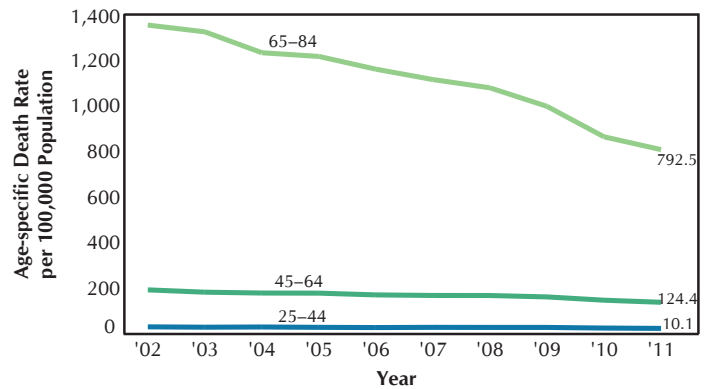


*Please see 2010 Mortality – Special Section: Cause of Death Quality Improvement Initiative for information on the initiative’s impact on cause of death reporting, particularly heart disease reporting.

- The rate of chronic ischemic heart disease death, the leading cause of heart disease deaths, decreased 29.1% between 2008 and 2011 to 135.9 in 2011, compared with a 7.5% reduction throughout the preceding 6 years. The recent sharper decline is partly due to efforts to improve the accuracy of cause of death reporting.*
- Since 2002, acute myocardial infarction decreased 48.8% while hypertensive heart disease increased 25.5%.

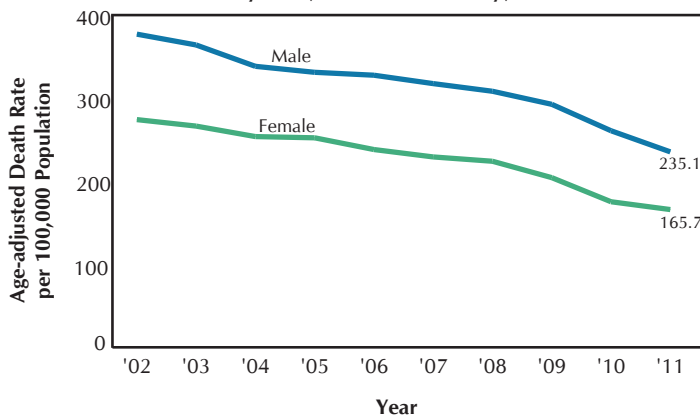
- In 2011, heart disease death rates were 6.4 times higher among 65 to 84 year olds than among 45 to 64 year olds, and 78.5 times higher compared to 25 to 44 year olds.
- Since 2002, heart disease death rates decreased most among the oldest and youngest age groups: 40.7% among 65 to 84 years olds and 40.2% among 25 to 44 year olds. These rates decreased 30.4% among 45 to 64 year olds.
- The recent sharper decline since 2009 in all age groups is partly due to efforts to improve the accuracy of cause of death reporting.*

Figure 14. Age-specific Heart Disease Death Rates by Selected Age Group, New York City, 2002–2011



*Please see 2010 Mortality – Special Section: Cause of Death Quality Improvement Initiative for information on the initiative’s impact on cause of death reporting, particularly heart disease reporting.

Figure 15. Age-adjusted Heart Disease Death Rates by Sex, New York City, 2002–2011



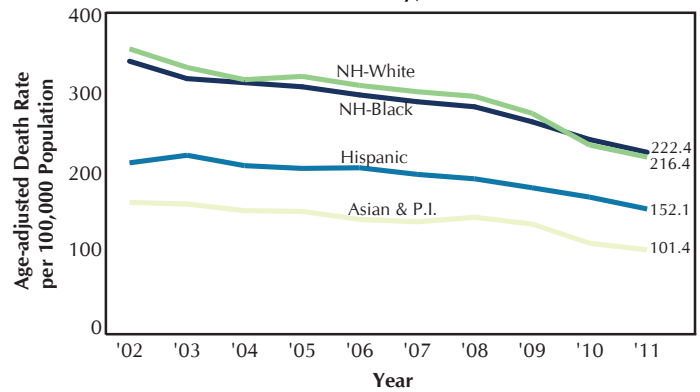
*Please see 2010 Mortality – Special Section: Cause of Death Quality Improvement Initiative for information on the initiative’s impact on cause of death reporting, particularly heart disease reporting.

- In 2011, heart disease death rates were 1.4 times higher among males than females.
- Since 2002, the decreases in these rates have been similar for males and females at 37.6% and 39.5% respectively.
- The sharper decline since 2009 is partly due to efforts to improve the accuracy of cause of death reporting.*

HEART DISEASE

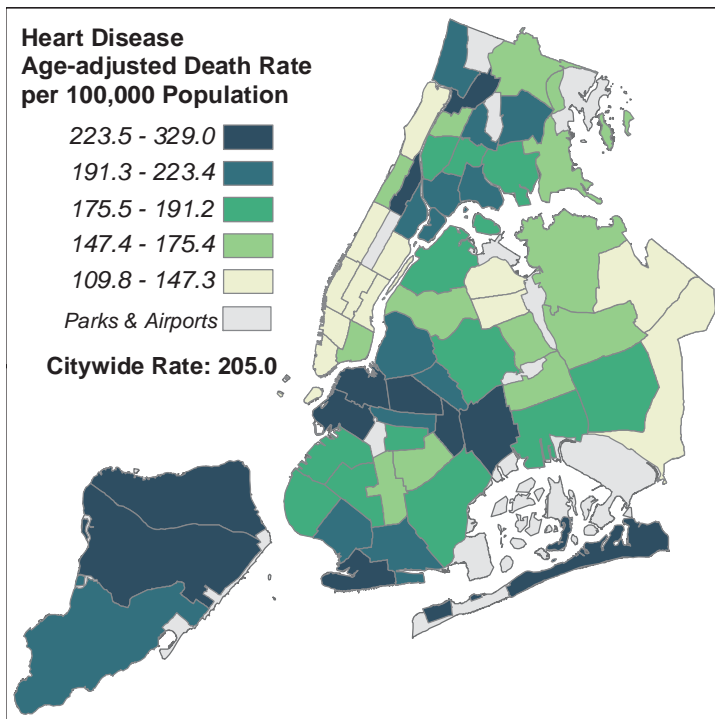
- In 2011, age-adjusted heart disease death rates were highest among non-Hispanic blacks, followed by non-Hispanic whites, Hispanics, and Asians and Pacific Islanders.
- From 2002-2011, age-adjusted death rates decreased 38.3%, 36.7%, 33.7% and 27.3% among non-Hispanic whites, Asians and Pacific Islanders, non-Hispanic blacks, and Hispanics, respectively.
- The recent sharp declines since 2009 among all racial/ethnic groups is partly due to efforts to improve the accuracy of cause of death reporting.*

Figure 16. Age-adjusted Heart Disease Death Rates by Racial/Ethnic Group, New York City, 2002–2011



*Please see 2010 Mortality – Special Section: Cause of Death Quality Improvement Initiative for information on the initiative’s impact on cause of death reporting, particularly heart disease reporting.

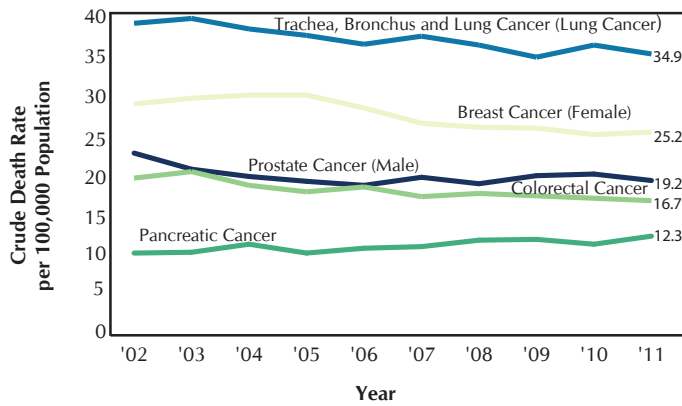
Figure 17. Age-adjusted Heart Disease Death Rates by Community District of Residence, New York City, 2011



- In 2011, New York City’s age-adjusted heart disease death rates were lowest in Murray Hill at 109.8 deaths per 100,000 population, followed by Bayside at 124.4, Midtown Business District at 126.2, Battery Park/Tribeca and Queens Village, both at 128.7 and Upper East side at 132.1.
- Age-adjusted heart disease death rates were highest in The Rockaways at 329.0 deaths per 100,000 population, followed by Bedford Stuyvesant, at 271.4, Brownsville at 263.9, Port Richmond, at 259.1 and Willowbrook/South Beach at 258.3.

CANCER

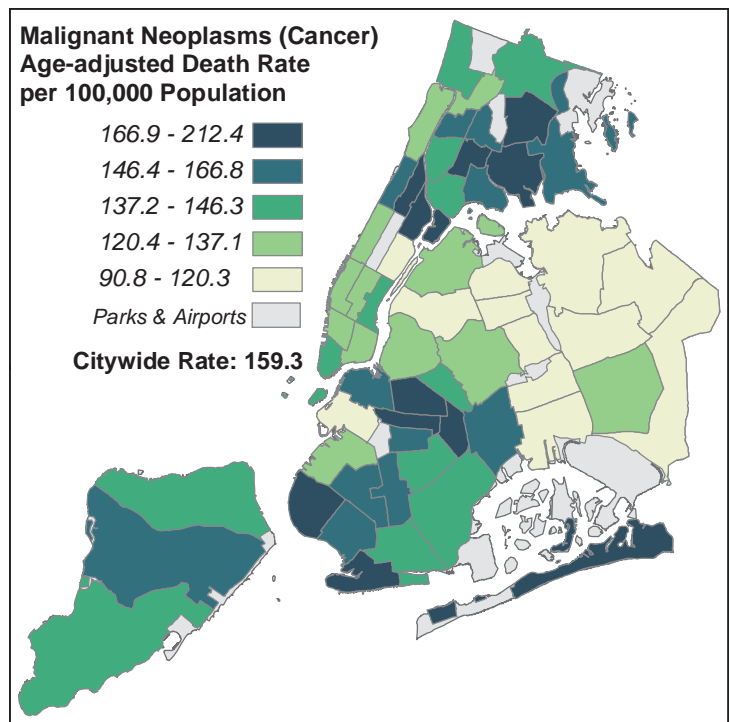
Figure 18. Crude Death Rates for 5 Leading Causes of Cancer Death, New York City, 2002–2011



- The cancer mortality rate has decreased 4.2% since 2002 from 170.2 to 163.0 deaths per 100,000 population in 2011 (see Table 1, Figure 6).
- Since 2002, rates of 4 of the 5 leading causes of cancer death decreased: male prostate cancer (15.0%), colorectal cancer (14.4%), female breast cancer (12.2%) and lung cancer (9.8%), which includes cancer of trachea and bronchi as well as lung.
- Pancreatic cancer increased 20.6% to 12.3 deaths per 100,000 population from 2002.

Figure 19. Age-adjusted Cancer Death Rates by Community District of Residence, New York City, 2011

- In 2011, New York City’s age-adjusted cancer death rates were lowest in Bayside at 90.8 deaths per 100,000 population, followed by Elmhurst/Corona, at 101.1, Queens Village at 108.6, Woodhaven at 111.0, and Fresh Meadows/Briarwood at 111.1.
- Age-adjusted cancer death rates were highest in Brownsville at 212.4 deaths per 100,000 population followed by Central Harlem at 203.1, Bedford Stuyvesant, at 195.7, The Rockaways at 189.3 and East Harlem at 187.5.



LUNG CANCER

- Lung cancer death rates include cancer of trachea and bronchi as well as lung.
- Lung cancer death rates are highest among non-Hispanic whites, followed by non-Hispanic blacks, Asians and Pacific Islanders and Hispanics.
- Since 2002, lung cancer rates have declined among all race/ethnic groups: 13.7% among non-Hispanic whites, 10.1% among non-Hispanic blacks, 8.8% among Hispanics, and 7.2% among Asians and Pacific Islanders.

Figure 20. Age-adjusted Lung Cancer Death Rates by Racial/Ethnic Group, New York City, 2002–2011

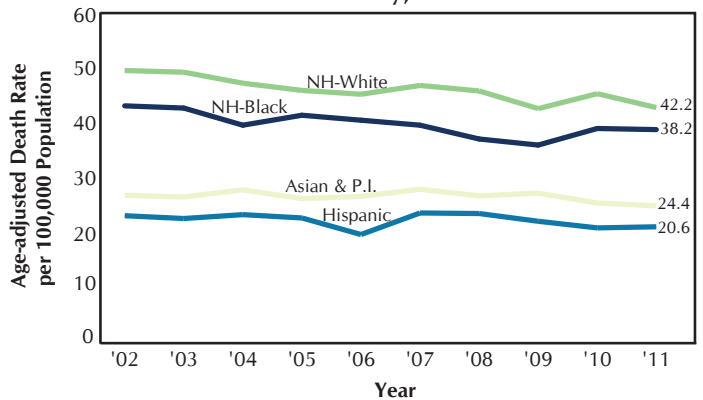
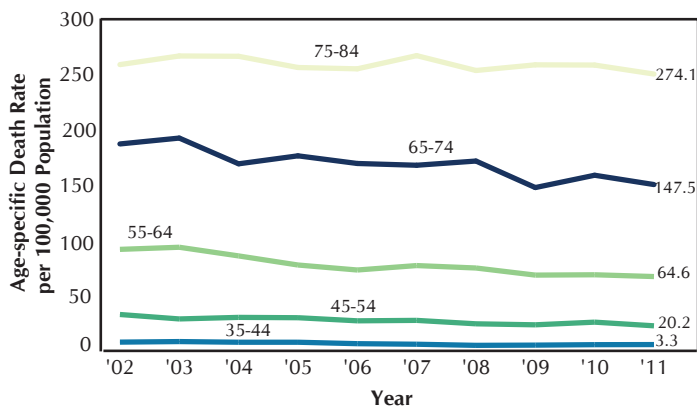


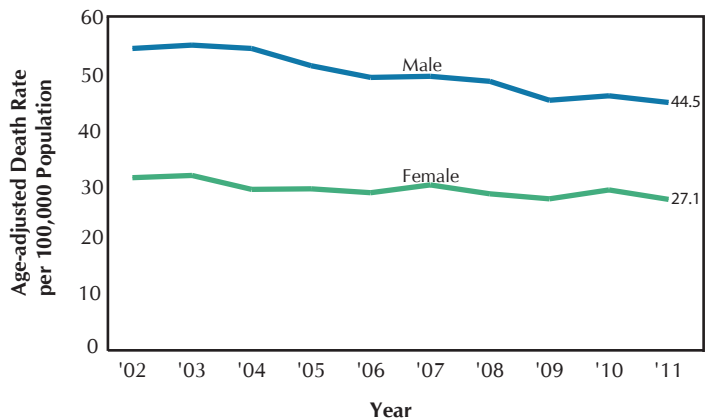
Figure 21. Age-specific Lung Cancer Death Rates by Selected Age Group, New York City, 2002–2011



- In 2011, age-specific lung cancer death rates were lowest among 35 to 44 year olds, at 3.3 deaths per 100,000 population and increased with age to a high of 274.1 deaths among 75 to 84 year olds.
- From 2002 to 2011, all age-specific death rates decreased: 40% among 35 to 44 year olds, 33.6% among 45 to 54 year olds, 27.5% among 55 to 64 year olds, 19.9% among 65 to 74 year olds and 3.3% among 75 to 84 year olds.

- Lung cancer death rates are 1.6 times higher among men than women.
- Since 2002, the lung cancer death rate has declined 17.9% among men and 12.6% among women.

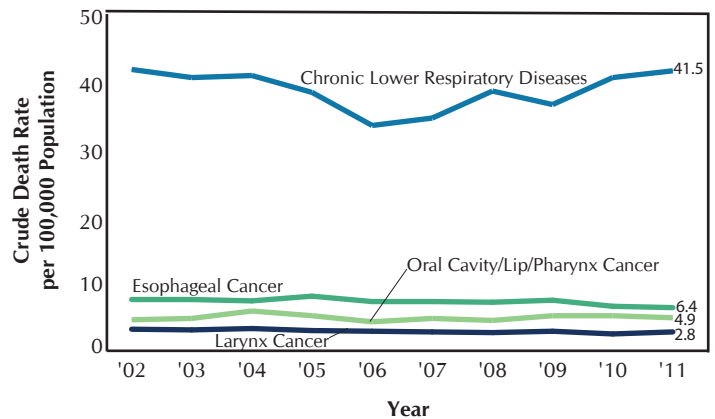
Figure 22. Age-adjusted Lung Cancer Death Rates by Sex, New York City, 2002–2011



SMOKING-RELATED MORTALITY

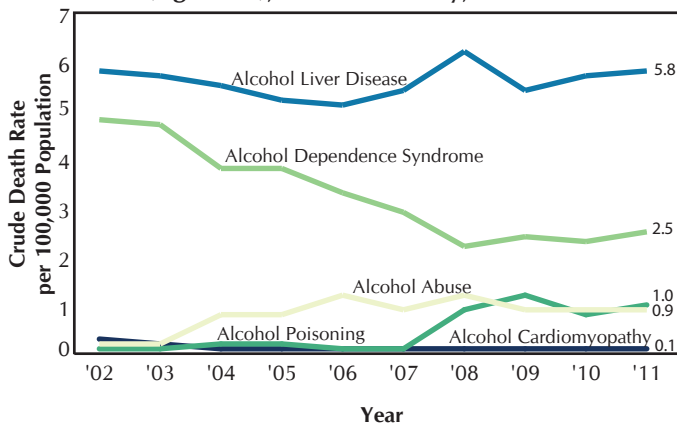
- Causes of death known to be highly attributable to smoking are displayed and include the following cancers: lung (see Fig 18-22), esophageal, laryngeal, and cancers of the oral cavity, lip, and pharynx. Chronic lower respiratory diseases are also highly attributable to smoking.
- These causes do not include all deaths related to smoking. In particular, smoking is known to be major risk factor for cardiovascular disease. In addition, there may be other contributing factors to conditions, such as chewing tobacco use for oral and lip cancer.
- Since 2002, cancers of esophagus and larynx decreased 15.0% and 13.8% respectively while cancer of the oral cavity, lip, and pharynx increased 8.2%.
- The death rate for chronic lower respiratory diseases has fluctuated over the past 10 years and is 0.6% lower in 2011 than 2002.

Figure 23. Crude Death Rates for Selected Smoking-related Causes of Death (Age ≥ 35), New York City, 2002–2011



ALCOHOL-RELATED MORTALITY

Figure 24. Crude Death Rates for Selected Alcohol-related Causes* of Death (Age > 20), New York City, 2002–2011

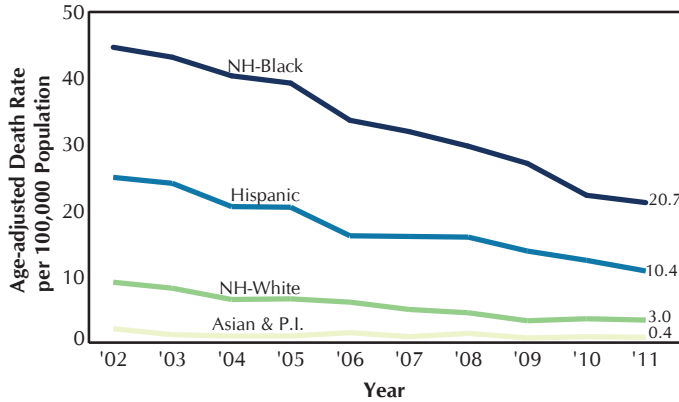


*See Technical Notes: Deaths, Alcohol Related Deaths..

- Due to increasing awareness of binge drinking-related deaths, the World Health Organization's Mortality Reference Group revised and implemented new International Classification of Disease codes in 2008*. The increase in deaths coded as alcohol poisoning and alcohol liver disease deaths from 2007 to 2008 and corresponding decrease in alcohol dependence syndrome result from this. Similar trend changes are seen in nationwide data.
- From 2002 to 2011, alcohol liver disease remained relatively stable, at 5.8 deaths per 100,000 population; alcohol dependence syndrome decreased 47.9%, from 4.8 to 2.5 deaths per 100,000 population, in part, due to coding changes mentioned above; alcohol cardiomyopathy decreased 66.7% from 0.3 to 0.1 and alcohol abuse increased 350.0% from 0.2 to 0.9.

HIV MORTALITY

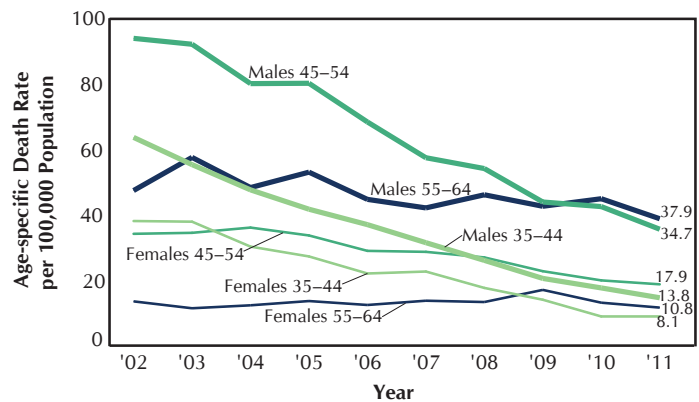
Figure 25. Age-adjusted HIV Death Rates by Racial/Ethnic Group, New York City, 2002–2011



- Crude HIV death rates declined 56.1% from 21.2 deaths per 100,000 population in 2002 to 9.3 in 2011 (Table 1).
- From 2002 to 2011, age-adjusted HIV death rates decreased 76.5% among Asians and Pacific Islanders, 65.5% among non-Hispanic whites, 57.6% among Hispanics, and 53.1% among non-Hispanic blacks.

- Age-specific HIV death rates are higher among males than females and continue to decline more rapidly in younger age groups than older.
- From 2002 to 2011, rates have decreased 78.0% and 78.2% for males and females age 35 to 44, respectively, 62.6% and 46.2% for males and females age 45 to 54, respectively and 18.5% and 15.0% for males and females age 55 to 64.
- The continuing decline in HIV-related mortality is attributed to HIV prevention efforts and the increased use and effectiveness of antiretroviral drugs.

Figure 26. Age-specific HIV Death Rates by Sex, New York City, 2002–2011



OCCUPATIONAL INJURIES

- From 2002 to 2011, fatal occupational injuries continued a general downward trend with some fluctuation. There were 72 fatal occupational injuries in 2011, a 28.0% decline from 100 deaths in 2002.
- Males account for the vast majority of fatal occupational injuries. In 2011, 91.7% of all fatal occupational injuries occurred among males.

Figure 27. Fatal Occupational Injuries by Sex, New York City, 2002–2011

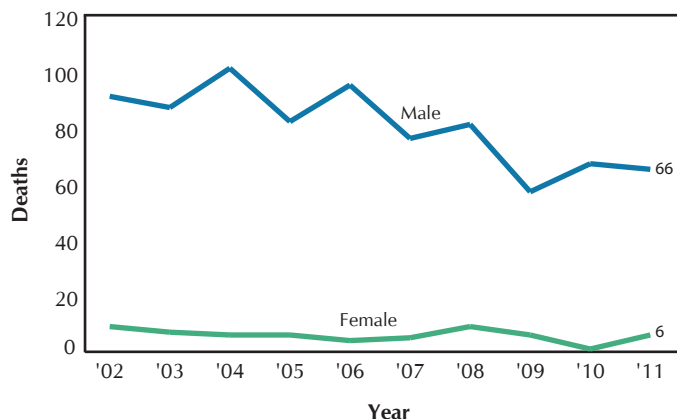


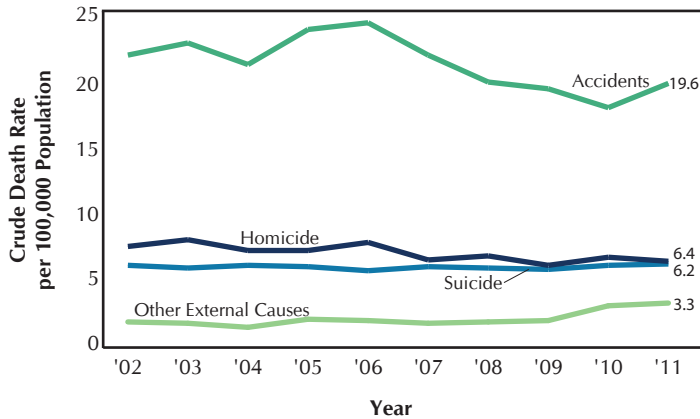
Table 6. Selected Characteristics of Deaths Due to Fatal Occupational Injuries, New York City, 2011

Characteristics	All Deaths	Sex		Age Group in Years				
		Male	Female	< 25	25-34	35-44	45-54	55+
Total	72	66	6	5	14	17	20	16
Selected Events								
Transportation incident	13	12	1	2	2	4	2	3
Contact with objects and equipment	13	10	3	1	3	2	3	4
Assaults and violent acts	24	22	2	1	5	5	6	7
Homicide	16	14	2	1	4	5	3	3
Shooting	12	11	1	1	4	2	2	3
Falls	15	15	0	0	2	2	9	2
Selected Industries*								
Construction	17	17	0	0	5	2	9	1
Transportation and warehousing	8	8	0	0	2	3	2	1
Taxicabs	5	5	0	0	1	2	1	1
Retail trade	7	6	1	1	1	1	1	3
Grocery stores	2	2	0	1	0	0	0	1
Accommodation and food services	6	5	1	1	2	2	0	1
Eating and drinking places	5	5	0	1	2	2	0	0
Public administration	8	8	0	0	1	2	3	2
Police and fire protection	5	5	0	0	1	2	2	0
Financial activities	1	1	0	0	0	0	1	0
Ethnic Group								
Non-Hispanic White	30	29	1	1	6	5	11	7
Non-Hispanic Black	18	16	2	0	2	6	5	5
Hispanic	17	15	2	4	4	3	2	4
Asian and Pacific Islander	7	6	1	0	2	3	2	0

*The industry in which the decedent worked and was injured is coded based on the North American Industry Classification System.

EXTERNAL CAUSES OF DEATH

Figure 28. Crude Death Rates for External Causes of Death by Intent*, New York City, 2002–2011



*Data source: National Center for Health Statistics. See Technical Notes: Cause of Death Coding.

- From 2002 to 2011, the unintentional (accidental) death rate was consistently higher than the homicide rate, followed by the suicide rate and other external causes rate, which includes medical and/or surgical care complications and undetermined intent or cause of death.*
- Homicide decreased 14.7% and accidents by 4.6%, while suicide increased by 1.6% and other external causes by nearly 74%.

Figure 29. Distribution of External Causes of Death among Males, New York City, 2011

- In 2011, 2,077 men died from external causes.
- The most frequent category of external cause of death among males was accident (52.5%), followed by homicide (20.7%) suicide (18.3%) and then other external causes (8.5%).

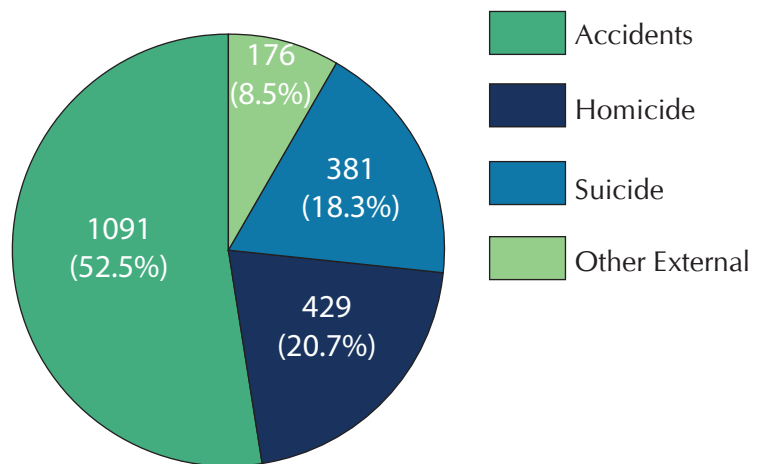
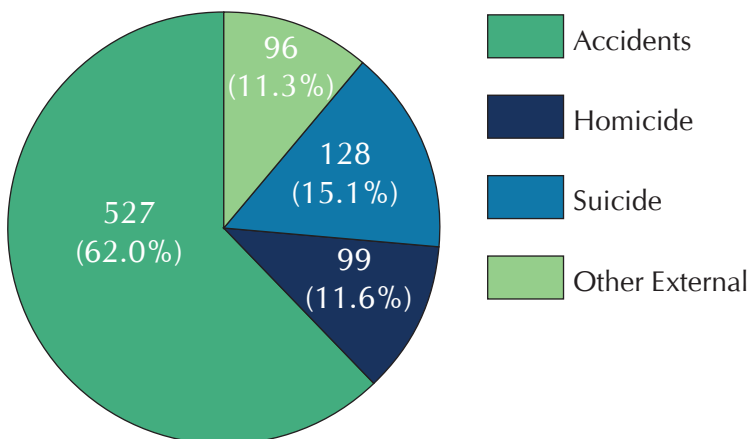


Figure 30. Distribution of External Causes of Death among Females, New York City, 2011

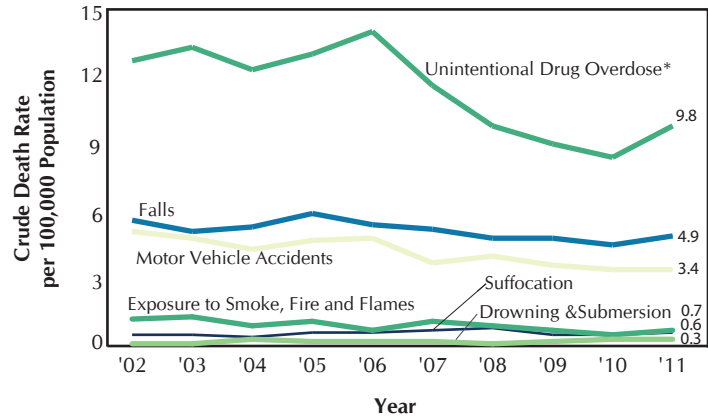


- In 2011, 850 females died from external causes.
- Accident was the most frequent (62.0%) category of external death among women, followed by suicide (15.1%), homicide (11.6%) and other external causes (11.3%).

EXTERNAL CAUSES OF DEATH

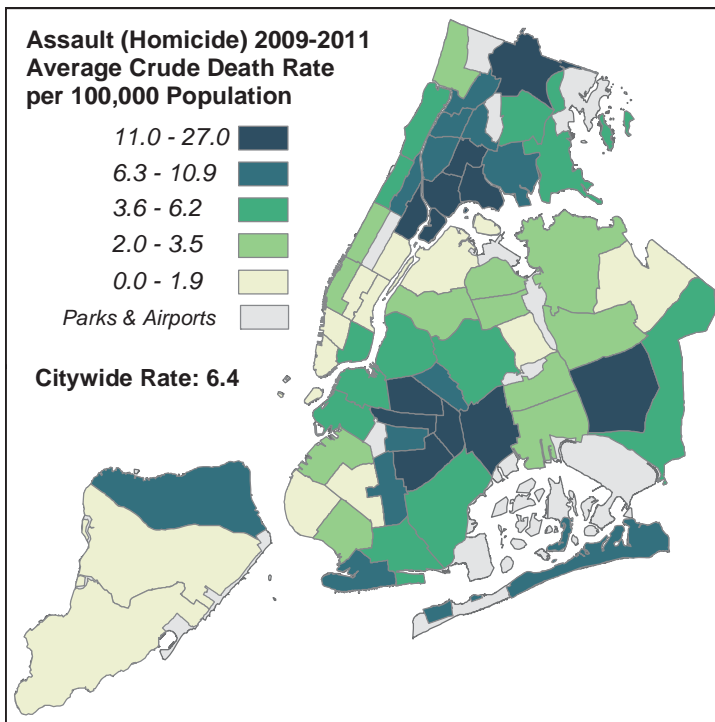
- In 2011, the 3 leading causes of accidental deaths are unintentional drug overdose*, followed by falls, and motor vehicle accidents.
- Since 2002, crude death rates for all three have decreased: motor vehicle accidents by 33.3%, unintentional drug overdose by 22.8%, and falls by 12.5%.
- Rates of accidental death due to smoke, fire or flame exposure; suffocation; and drowning and submersion are lower: all less than 1 death per 100,000 population in 2011.

Figure 31. Crude Death Rates for Selected Accidental Causes of Death, New York City, 2002–2011



*See Technical Notes: Drug-Related Deaths

Figure 32. Age-adjusted Assault (Homicide) Death Rates (3-year averages) by Community District of Residence, New York City, 2009–2011

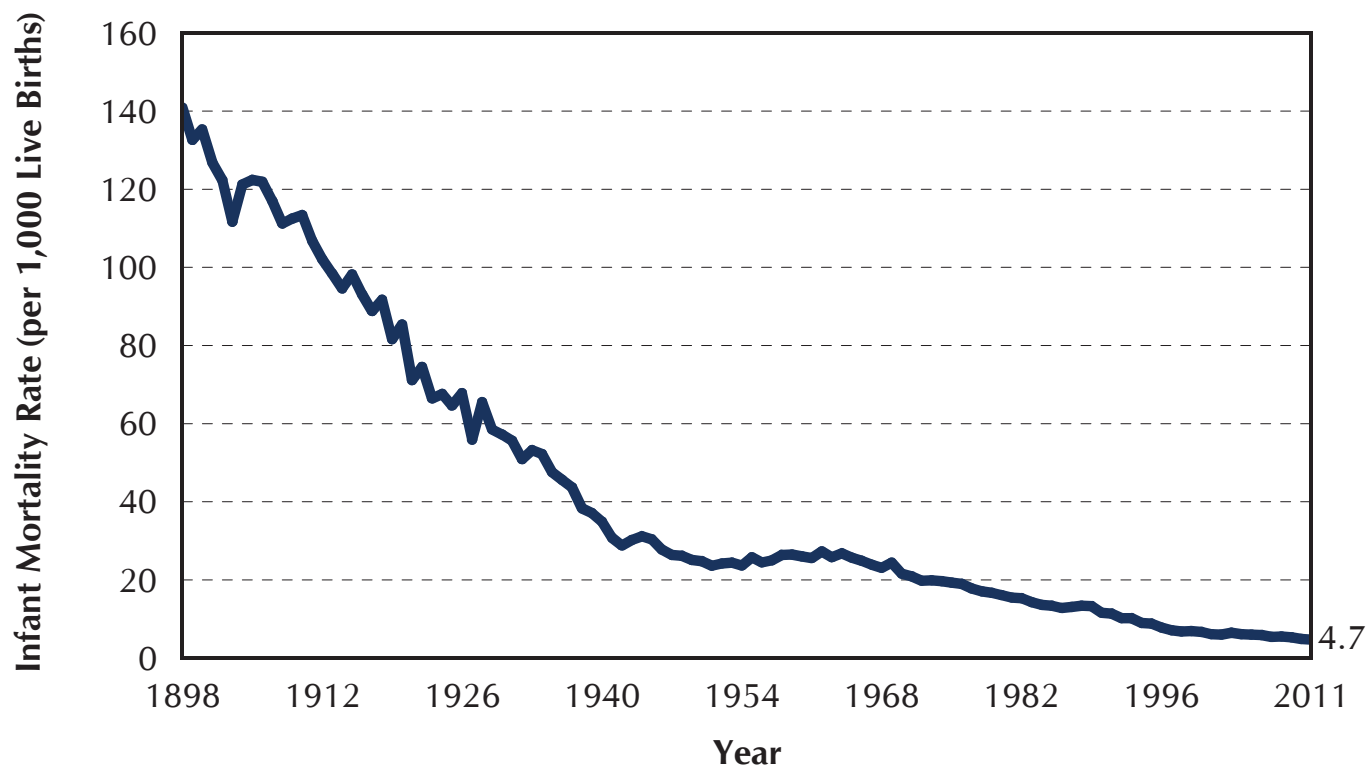


- Crude three-year-average homicide death rates were highest in Brownsville at 27.0 deaths per 100,000 population, followed by Bedford Stuyvesant at 19.2, Morrisania at 16.7, East New York at 16.6 and Mott Haven at 16.4.
- Community Districts with the lowest crude three-year average rates, due to small numbers of homicides over the three years, do not have reliable rates. Regardless, the small number of homicides over the 3 years is indicative of low rates. These include Rego Park/Forest Hills, Bayside and Astoria/Long Island City in Queens; Murray Hill, Upper East Side, Midtown Business District, Greenwich Village/SOHO and Chelsea/Clinton in Manhattan; Bay Ridge and Borough Park in Brooklyn; and Willowbrook/South Beach and Tottenville in Staten Island – all with less than 2 deaths per 100,000 population.

SUMMARY OF VITAL STATISTICS 2011

THE CITY OF NEW YORK

INFANT MORTALITY



Michael R. Bloomberg, Mayor

Thomas Farley, MD, MPH, Commissioner

SUMMARY OF VITAL STATISTICS 2011 THE CITY OF NEW YORK INFANT MORTALITY

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December 2012

THIS REPORT WAS PREPARED BY THE DEPARTMENT OF HEALTH AND MENTAL HYGIENE, OFFICE OF VITAL STATISTICS STAFF UNDER THE DIRECTION OF REGINA ZIMMERMAN, PhD, MPH AND WENHUI LI, PhD.

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THIS PUBLICATION ALONG WITH THE 2011 MORTALITY, PREGNANCY OUTCOMES AND EXECUTIVE SUMMARY REPORTS ARE AVAILABLE ONLINE AT [HTTP://WWW.NYC.GOV/VITALSTATS](http://www.nyc.gov/vitalstats).

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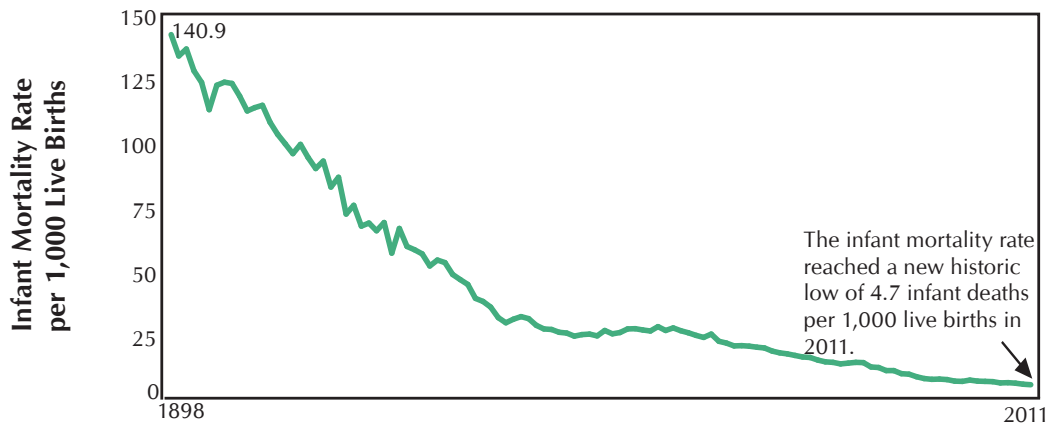
INFANT MORTALITY OVERVIEW

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. For technical notes, copies of certificates, and additional data tables, please see the Bureau of Vital Statistics website at www.nyc.gov/vitalstats.

Select Key Findings:

- The infant mortality rate continues to decline, down 4% from 4.9 infant deaths per 1,000 live births in 2010 to 4.7 infant deaths per 1,000 live births in 2011. Both the Take Care New York goal of a citywide infant mortality rate of 5.0 by 2012 and the Healthy People 2020 goal of 6.0 have already been met.
- The leading causes of infant deaths continue to be congenital malformations (20%) and short gestation/low birthweight (20%). External causes, which include injuries, homicides and deaths of undetermined intent, also contribute substantially to these deaths (11%).
- Racial/ethnic disparities in infant mortality rates persist, but infant mortality rates declined among nearly all racial/ethnic groups from 2002 to 2011: 24% for infants born to non-Hispanic whites, 20% for infants born to non-Hispanic blacks, 13% for infants born to Puerto Ricans, and 16% for infants born to other Hispanics. The infant mortality rate for infants born to Asian and Pacific Islanders has fluctuated from a low of 2.5 in 2002 to a high of 4.1 in 2004.
- From 2002 to 2011, infant mortality rates have decreased for infants whose mothers resided in Brooklyn (41%), the Bronx (20%), Staten Island (13%), and Manhattan (5%). For infants born to mothers who lived in Queens, the mortality rate has fluctuated from a high of 5.5 in 2003 to a low of 4.3 in 2010.

Figure 1. Infant Mortality Rate, New York City, 1898–2011



- In 2011, the highest rate of infant death occurred during the early neonatal period (age less than 7 days) at 2.4 deaths per 1,000 live births, followed by the post-neonatal period (age 28 days to 1 year) at 1.6 deaths per 1,000 live births.
- From 2002 to 2011, the early and late neonatal mortality rates and the post-neonatal mortality rate had similar relative percentage decreases: 23%, 20%, and 20%, respectively.

Figure 2. Neonatal and Post-neonatal Mortality Rates, New York City, 2002–2011

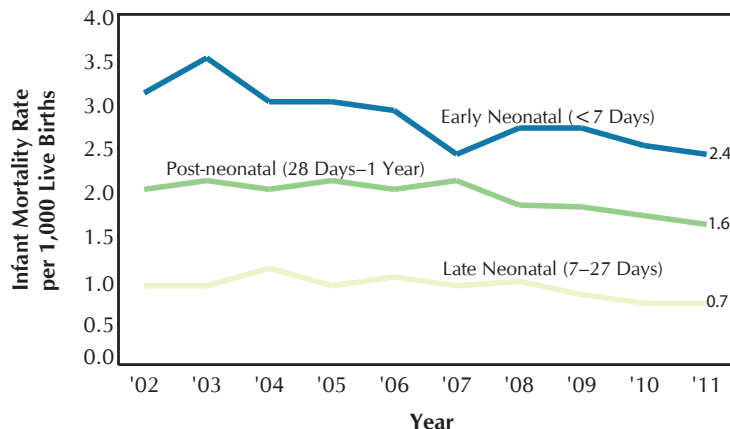


Table 1. Infant Deaths by Cause, Sex, and Age, New York City, 2011

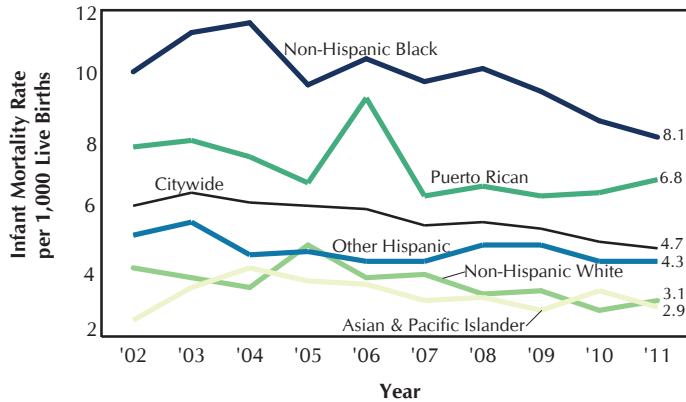
Cause of Death	Total	Male		Female	
		Neonatal (<28 Days)	Post-neonatal (≥ 28 Days)	Neonatal (<28 Days)	Post-neonatal (≥ 28 Days)
Total	577	190	120	188	79
1 Diseases of the Circulatory System (I00-I99)†	12	2	6	1	3
2 Influenza and Pneumonia (J10-J18)†	5	-	4	-	1
3 Newborn Affected by Maternal Complications of Pregnancy (P01)†	12	7	-	5	-
4 Newborn Affected by Complications of Placenta, Cord, and Membranes (P02)†	11	8	-	3	-
5 Short Gestation and Low Birthweight (P07)†	114	52	3	56	3
6 Intrauterine Hypoxia and Birth Asphyxia (P20-P21)†	1	-	-	1	-
7 Respiratory Distress of Newborn (P22)†	17	9	-	8	-
8 Pulmonary Hemorrhage Originating in the Perinatal Period (P26)†	9	5	-	4	-
9 Atelectasis (P28.0-P28.1)†	5	3	-	2	-
10 Other Respiratory Conditions Originating in the Perinatal Period (P23-P28)‡	12	6	2	3	1
11 Cardiovascular Disorders Originating in the Perinatal Period (P29)‡	70	33	-	36	1
12 Infections Specific to the Perinatal Period (P35-P39)‡	18	9	1	8	-
Bacterial sepsis of newborn (P36)	13	7	-	6	-
13 Neonatal Hemorrhage (P50-P52, P54)†	5	2	1	2	-
14 Necrotizing Enterocolitis of Newborn (P77)†	10	4	-	5	1
15 Remainder of Conditions Originating in the Perinatal Period (Rest of P00-P99)	24	10	3	11	-
16 Congenital Malformations, Deformations (Q00-Q99)†	116	28	32	35	21
Congenital malformations of heart (Q20-Q24)	51	13	15	13	10
17 Sudden Infant Death Syndrome (R95)†	5	-	3	-	2
18 All Other Diseases (Rest of A00-R99)	69	4	34	4	27
19 External Causes (V01-Y89)‡	62	8	31	4	19

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

‡ Contains causes not eligible to be ranked as a leading cause nationally but frequent in New York City. Including these groups permits recognition of important causes of infant death.

- The leading causes of infant death are congenital malformations (20%) and short gestation/low birthweight (20%).
- External causes of death account for 11% of infant deaths. External causes of death include injury, homicide, and deaths of undetermined intent.
- The majority of neonatal (<28 days) deaths are due to short gestation and low birthweight (29%), followed by cardiovascular disorders (18%), and congenital malformations (17%). In comparison, most post-neonatal deaths are attributable to congenital malformations (27%) and external causes (25%).

Figure 3. Infant Mortality Rate by Mother's Racial/ Ethnic Group, New York City, 2002–2011



- Infants born to non-Hispanic blacks and Puerto Ricans continue to have mortality rates higher than the citywide average, at 8.1 and 6.8, respectively.
- From 2002 to 2011, mortality rates decreased for infants born to non-Hispanic whites (24%), non-Hispanic blacks (20%), Puerto Ricans (13%), and other Hispanics (16%).
- The infant mortality rate for infants born to Asian and Pacific Islanders has fluctuated from a low of 2.5 in 2002 to a high of 4.1 in 2004.

- In 2011, the less than 2% of infants born very and extremely premature continued to be at high risk for death; the infant mortality rates were 346 and 39 deaths per 1,000 live births, respectively, for these groups.
- The infant mortality rate for extremely preterm infants has declined 12% over the last 10 years, contributing to the overall reduction in the infant mortality rate.
- Preterm births account for nearly 8% of births, and risk for death among these infants is lower than among very preterm and extremely preterm births: 7 deaths per 1,000 live births in 2011.

Figure 4. Infant Mortality Rate among Preterm Live Births, New York City, 2002–2011

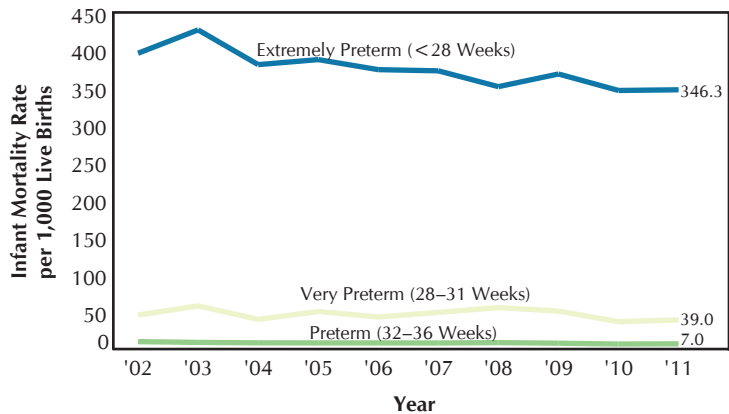
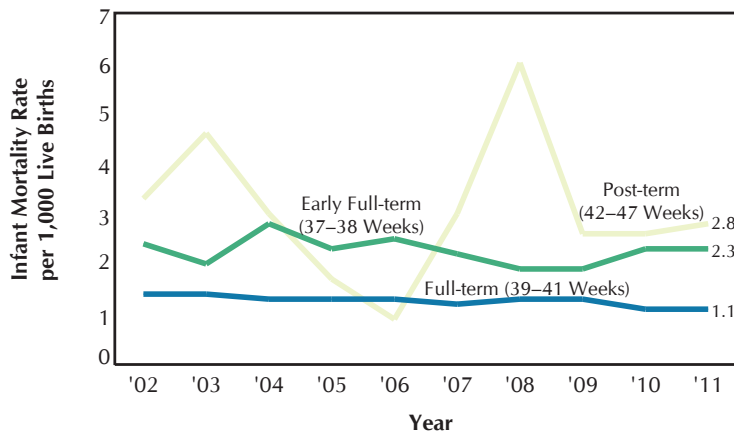


Figure 5. Infant Mortality Rate among Full-term Live Births, New York City, 2002–2011



- In 2011, full-term and post-term births (37–47 weeks) account for nearly 90% of New York City live births, and these infants' mortality rate was low at 1.4 deaths per 1,000 live births (Table 3).
- The infant mortality rate for early full-term births was higher, at 2.3, than for full-term births, at 1.1.
- The infant mortality rate was even higher for post-term births in 2011, at 2.8, but has varied substantially over the past 10 years due to the small numbers of births and deaths at this gestational age.

Table 2. Live Births and Infant Deaths by Mother's Racial/Ethnic Group and Characteristics of Infant, New York City, 2011

Characteristics	Live Births										Infant Deaths														
	Total					Early-neonatal					Neonatal					Post-neonatal									
	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	Hispanic	Non-H White	Non-H Black	Asian & P.I.	Total
Total	123,029	37,631	38,573	25,825	19,399	577	185	210	57	293	94	62	108	24	378	121	82	136	34	199	64	36	74	23	23
Sex of Child																									
Male	62,809	18,924	20,050	13,023	10,000	310	95	115	36	148	45	31	54	17	190	54	43	67	25	120	41	18	48	11	11
Female	60,220	18,707	18,523	12,802	9,399	267	90	95	21	145	49	31	54	7	188	67	39	69	9	79	23	18	26	12	12
Birthweight at Delivery (Grams)																									
Low birthweight (<2,500)	10,598	2,910	2,687	3,252	1,595	396	124	160	35	252	78	50	100	20	299	96	60	114	25	97	28	12	46	10	10
Very low birthweight (<1,500)	1,908	542	377	756	202	325	102	135	27	220	69	43	90	16	260	85	51	103	19	65	17	7	32	8	8
2,500-4,000	104,632	32,137	32,922	21,338	17,005	141	52	31	40	16	34	11	5	3	63	21	17	16	8	78	31	14	24	8	8
Above 4,000	7,793	2,584	2,964	1,335	799	9	4	2	1	2	1	1	1	1	3	1	1	1	1	6	3	1	1	2	2
Not stated	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unmatched†	-	-	-	-	-	31	5	13	9	4	5	1	2	1	13	3	4	5	1	18	2	9	4	3	3
Gestational Age (Weeks)																									
Preterm (<37)	11,420	3,424	2,946	3,382	1,506	389	125	153	33	251	79	53	98	18	298	98	63	111	23	91	27	11	42	10	10
Very preterm (<32)	1,978	574	401	772	194	323	97	135	26	223	67	47	91	15	259	81	54	103	18	64	16	7	32	8	8
Full-term	111,595	34,205	35,626	22,441	17,892	155	55	30	48	19	35	7	8	4	65	20	14	20	9	90	35	16	28	10	10
Not stated	14	2	1	2	1	2	1	1	1	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1
Unmatched†	-	-	-	-	-	31	5	13	9	4	5	1	2	1	13	3	4	5	1	18	2	9	4	3	3
Plurality																									
Singletons	118,232	36,592	36,512	24,798	18,805	452	162	71	167	46	227	84	34	87	18	290	104	46	109	27	162	58	25	58	19
Multiples	4,796	1,039	2,061	1,027	594	94	18	34	7	61	9	27	19	5	75	14	32	22	6	19	4	2	12	1	1
Unmatched†	-	-	-	-	-	31	5	13	9	4	5	1	2	1	13	3	4	5	1	18	2	9	4	3	3
Plurality unknown	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

† Infants who died in New York City who were born elsewhere are classified as unmatched.

Table 3. Infant Mortality Rate by Mother's Racial/Ethnic Group and Characteristics of Infant, New York City, 2011

Characteristics	Total										Neonatal										Post-neonatal										
	Total					Early-neonatal					Neonatal					Post-neonatal					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	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.	
Sex of Child	4.7	4.9	3.1	8.1	2.9	2.4	2.5	1.6	4.2	1.2	3.1	3.2	2.1	1.8	1.6	1.7	0.9	2.9	1.2	1.6	1.7	0.9	2.9	1.2	1.2	1.1	1.1	1.3	1.3	1.3	
Male	4.9	5.0	3.0	8.8	3.6	2.4	2.4	1.5	4.1	1.7	3.0	2.9	2.1	2.5	1.9	2.2	0.9	3.7	1.1	1.9	2.2	0.9	3.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
Female	4.4	4.8	3.1	7.4	2.2	2.4	2.6	1.7	4.2	0.7	3.1	3.6	2.1	1.0	1.3	1.2	1.0	2.0	1.3	1.3	1.2	1.0	2.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	
Birthweight at Delivery (Grams)																															
Low birthweight (<2,500)	37.4	42.6	26.8	49.2	21.9	23.8	26.8	18.6	30.8	12.5	28.2	33.0	22.3	15.7	9.2	9.6	4.5	14.1	6.3	9.2	9.6	4.5	14.1	6.3	6.3	6.3	6.3	6.3	6.3	6.3	
Very low birthweight (<1,500)	170.3	188.2	153.8	178.6	133.7	115.3	127.3	114.1	119.0	79.2	136.3	156.8	135.3	94.1	34.1	31.4	18.6	42.3	39.6	34.1	31.4	18.6	42.3	39.6	39.6	39.6	39.6	39.6	39.6	39.6	
2,500-4,000	1.3	1.6	0.9	1.9	0.9	0.3	0.4	0.3	0.2	0.2	0.6	0.7	0.5	0.8	0.7	1.0	0.4	1.1	0.5	0.7	1.0	0.4	1.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
Above 4,000	1.2	1.5	0.7	0.7	2.5	0.3	0.4	-	0.7	-	0.4	0.4	0.3	0.7	0.8	1.2	0.3	-	2.5	0.8	1.2	0.3	-	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
Gestational Age (Weeks)																															
Preterm (<37)	34.1	36.5	25.1	45.2	21.9	22.0	23.1	18.0	29.0	12.0	26.1	28.6	21.4	15.3	8.0	7.9	3.7	12.4	6.6	8.0	7.9	3.7	12.4	6.6	6.6	6.6	6.6	6.6	6.6	6.6	
Very preterm (<32)	163.3	169.0	152.1	174.9	134.0	112.7	116.7	117.2	117.9	77.3	130.9	141.1	134.7	92.8	32.4	27.9	17.5	41.5	41.2	32.4	27.9	17.5	41.5	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
Full-term	1.4	1.6	0.8	2.1	1.1	0.3	0.4	0.2	0.4	0.2	0.6	0.6	0.4	0.9	0.8	1.0	0.4	1.2	0.6	0.8	1.0	0.4	1.2	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Plurality																															
Singletons	3.8	4.4	1.9	6.7	2.4	1.9	2.3	0.9	3.5	1.0	2.5	2.8	1.3	4.4	1.4	1.6	0.7	2.3	1.0	1.4	1.6	0.7	2.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Multiples	19.6	17.3	16.5	33.1	11.8	12.7	8.7	13.1	18.5	8.4	15.6	13.5	15.5	21.4	4.0	3.8	1.0	11.7	1.7	4.0	3.8	1.0	11.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	

Note: Categories for gestational age in Table 2 and Table 3 differ from those in Figure 4. Different categories are used in Table 2 and Table 3 due to the small number of events.

Table 4. Live Births and Infant Mortality, Overall and by Mother's Racial/Ethnic Group, New York City, 2007–2011

Mother's Ethnic Group	2007	2008	2009	2010	2011
Live Births, Total	128,961	127,680	126,774	124,791	123,029
Puerto Rican	10,229	10,351	9,958	9,581	8,988
Other Hispanic	30,483	30,029	30,328	29,764	28,643
Asian and Pacific Islander	19,291	18,204	17,729	18,047	19,399
Non-Hispanic White	39,351	38,383	38,438	37,780	38,573
Non-Hispanic Black	29,268	27,917	27,405	26,635	25,825
Other or Unknown	339	2,796	2,916	2,984	1,601
Infant Deaths (< 1 year), Total	697	698	668	609	577
Puerto Rican	64	68	63	61	61
Other Hispanic	130	143	147	129	124
Asian and Pacific Islander	59	59	50	62	57
Non-Hispanic White	155	125	131	104	118
Non-Hispanic Black	287	284	259	230	210
Other or Unknown	2	19	18	23	7
Infant Mortality Rate, Total	5.4	5.5	5.3	4.9	4.7
Puerto Rican	6.3	6.6	6.3	6.4	6.8
Other Hispanic	4.3	4.8	4.8	4.3	4.3
Asian and Pacific Islander	3.1	3.2	2.8	3.4	2.9
Non-Hispanic White	3.9	3.3	3.4	2.8	3.1
Non-Hispanic Black	9.8	10.2	9.5	8.6	8.1
Neonatal Deaths (< 28 days), Total	430	466	444	403	378
Puerto Rican	37	43	44	43	42
Other Hispanic	82	99	97	81	79
Asian and Pacific Islander	39	44	36	41	34
Non-Hispanic White	93	82	97	75	82
Non-Hispanic Black	177	182	158	148	136
Neonatal Mortality Rate, Total	3.3	3.6	3.5	3.2	3.1
Puerto Rican	3.6	4.2	4.4	4.5	4.7
Other Hispanic	2.7	3.3	3.2	2.7	2.8
Asian and Pacific Islander	2.0	2.4	2.0	2.3	1.8
Non-Hispanic White	2.4	2.1	2.5	2.0	2.1
Non-Hispanic Black	6.0	6.5	5.8	5.6	5.3

Table 5. Infant Mortality Rate by Mother's Birthplace, New York City, 2007–2011

Birthplace	2007	2008	2009	2010	2011
Total, New York City	5.4	5.5	5.3	4.9	4.7
Yemen Arab Republic	†	2.0	†	6.3	9.9
Puerto Rico ‡	6.6	6.9	7.3	9.5	8.8
Nigeria	3.5	5.2	11.6	4.8	8.2
Pakistan	6.8	7.1	4.7	4.5	7.7
Guyana	7.5	10.7	4.2	8.0	7.6
Honduras	1.1	4.6	7.0	8.9	6.4
Guatemala	5.4	5.1	3.2	9.9	6.2
Jamaica	5.1	7.2	5.1	6.3	5.4
United States ‡	6.2	6.1	6.5	5.3	5.4
Colombia	0.0	1.0	3.5	0.0	4.9
Haiti	5.3	8.0	3.9	6.4	4.5
Bangladesh	4.2	1.8	5.7	4.0	4.1
El Salvador	3.8	2.5	2.5	3.7	4.1
Mexico	3.5	5.0	2.9	3.5	3.7
Ecuador	5.2	3.0	1.7	4.5	3.4
Dominican Republic	3.4	3.8	5.4	3.6	3.2
Canada	0.0	3.5	3.2	0.0	3.0
Ghana	10.0	4.4	4.1	5.8	3.0
Trinidad and Tobago	4.8	7.7	1.3	6.3	2.9
India	3.1	2.3	1.9	2.6	2.6
Philippines	2.4	1.3	1.2	6.7	2.5
Uzbekistan	†	†	0.0	1.7	2.5
China	1.6	2.2	2.1	2.6	1.8
Ukraine	3.8	3.8	1.3	1.2	1.3
Poland	2.0	4.1	1.0	0.0	1.2
Russia	0.0	1.1	4.1	3.1	1.1
Korea	2.6	1.0	0.0	1.1	1.1
Egypt	†	†	†	2.0	0.0
Israel	2.4	0.0	1.7	0.0	0.0
United Kingdom	1.6	3.4	0.0	3.5	0.0
Peru	5.5	†	3.8	†	†

† Live births were < 500 in that year. The infant mortality rate is listed for only countries with 500 or more live births each year.

‡ As of 2006, US Virgin Islands and Guam are included in the United States. Puerto Rico is a US territory, but is not included as a birthplace in the United States due to the large number of births to Puerto Rican-born women.

- From 2002 to 2011, infant mortality rates have decreased for infants whose mothers resided in Brooklyn (41%), the Bronx (20%), Staten Island (13%) and Manhattan (5%). The variability in Staten Island's infant mortality rate is likely due to the relatively small numbers of births and infant deaths in that borough due to its smaller population.
- For infants born to mothers who lived in Queens, the mortality rate has fluctuated from a high of 5.5 in 2003 to a low of 4.3 in 2010.

Figure 6. Infant Mortality Rate by Borough of Residence, New York City, 2002–2011

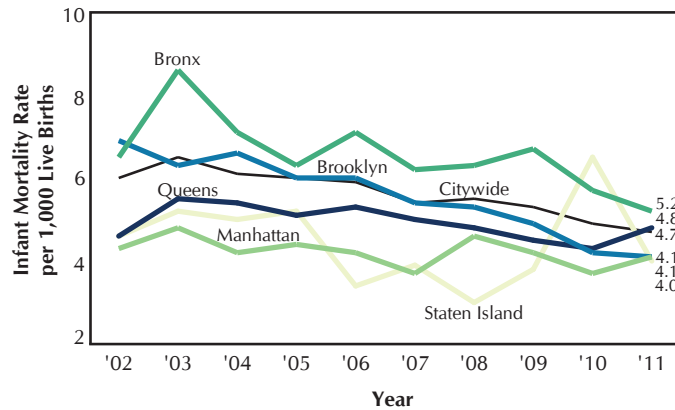
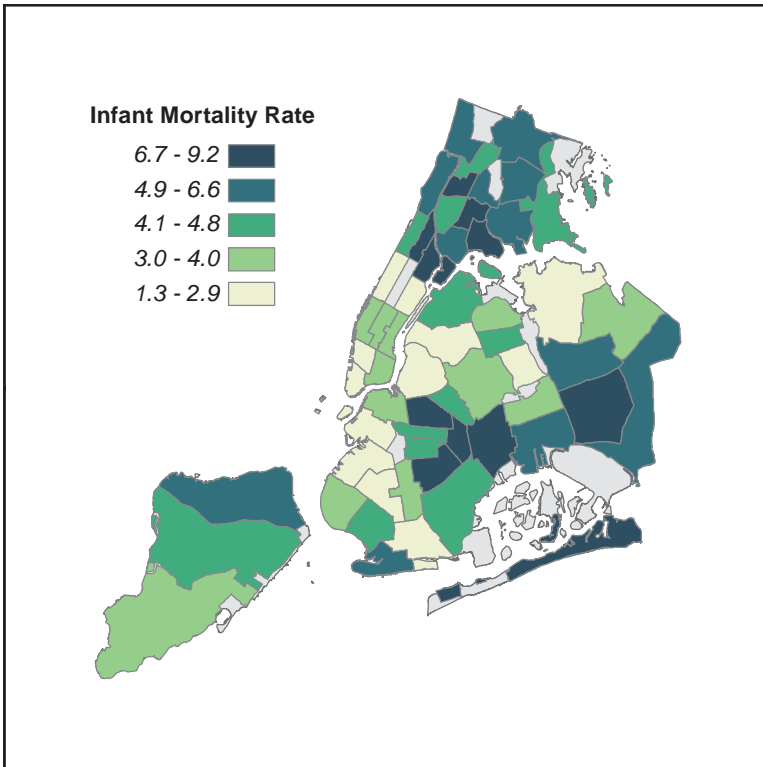


Figure 7. Infant Mortality Rate (Three-year Averages) by Community District of Residence, New York City, 2009–2011



- The five community districts with the highest infant mortality rates 2009–2011 were Brownsville (9.2), Central Harlem (8.5), East New York (8.4), Jamaica/St. Albans (8.4), and Morrisania (7.7).
- The five community districts with the lowest infant mortality rates included Upper West Side (1.3), Battery Park/Tribeca (1.6), Park Slope (1.9), Sheepshead Bay (2.1), and Rego Park/Forest Hills (2.3).

Table 6. Infant and Neonatal Mortality Rates by Community District of Residence, New York City, 2007–2011

Community District		2007–2009*		2008–2010*		2009–2011*	
		Infant Mortality Rate	Neonatal Mortality Rate	Infant Mortality Rate	Neonatal Mortality Rate	Infant Mortality Rate	Neonatal Mortality Rate
	NEW YORK CITY	5.4	3.5	5.2	3.5	4.9	3.3
	MANHATTAN	4.2	2.8	4.1	2.8	3.9	2.6
101	Battery Park, Tribeca	2.2	1.9	1.4	1.0	1.6	1.3
102	Greenwich Village, SOHO	4.1	3.3	3.1	2.7	2.4	2.4
103	Lower East Side	3.7	2.1	4.4	2.3	3.4	1.1
104	Chelsea, Clinton	2.9	2.2	3.2	2.5	3.3	2.5
105	Midtown Business District	4.9	3.0	5.3	3.6	4.0	2.3
106	Murray Hill	2.8	2.5	3.1	3.1	3.9	3.1
107	Upper West Side	2.5	1.6	2.0	1.3	1.3	0.7
108	Upper East Side	2.5	1.8	2.7	1.9	2.5	1.9
109	Manhattanville	7.0	4.7	5.7	4.3	4.7	3.2
110	Central Harlem	7.9	4.6	7.5	4.6	8.5	6.2
111	East Harlem	7.6	4.6	6.6	4.1	6.9	4.5
112	Washington Heights	3.5	2.7	4.7	3.1	4.9	2.6
	BRONX	6.4	4.2	6.3	4.3	5.9	3.9
201	Mott Haven	7.6	5.0	7.1	4.6	6.3	4.1
202	Hunts Point	5.5	3.8	6.4	4.1	7.6	4.5
203	Morrisania	7.0	4.0	7.8	5.0	7.7	4.8
204	Concourse, Highbridge	6.2	4.0	5.7	3.7	4.8	3.3
205	University/Morris Heights	6.4	3.9	7.5	5.1	7.3	4.9
206	East Tremont	6.5	3.8	7.4	5.2	6.6	3.6
207	Fordham	6.7	5.3	5.5	4.4	4.6	3.6
208	Riverdale	5.3	3.3	5.2	4.3	5.3	4.5
209	Unionport, Soundview	5.0	3.7	4.9	3.2	5.4	3.3
210	Throgs Neck	5.7	4.1	4.9	3.6	4.6	3.0
211	Pelham Parkway	7.1	6.2	6.3	5.4	6.3	5.1
212	Williamsbridge	7.2	3.6	7.0	3.9	6.0	3.4
	BROOKLYN	5.2	3.3	4.8	3.1	4.4	2.8
301	Williamsburg, Greenpoint	3.0	2.0	2.5	1.8	2.4	1.5
302	Fort Greene, Brooklyn Heights	3.5	1.7	4.8	2.7	3.5	2.6
303	Bedford Stuyvesant	8.7	5.2	8.5	5.3	7.0	4.0
304	Bushwick	5.8	4.1	5.0	3.8	4.4	3.2
305	East New York	9.5	5.3	8.7	4.6	8.4	4.5
306	Park Slope	4.7	3.6	3.3	1.9	1.9	0.9
307	Sunset Park	2.6	1.7	3.1	2.0	2.9	2.0
308	Crown Heights North	4.9	3.8	5.8	4.2	4.2	3.1
309	Crown Heights South	5.5	3.9	5.1	3.2	4.4	2.6
310	Bay Ridge	3.8	2.3	4.0	2.7	4.0	2.5
311	Bensonhurst	3.2	2.6	3.7	2.9	4.2	3.1
312	Borough Park	3.6	2.1	2.7	1.7	2.8	2.0
313	Coney Island	5.0	3.6	4.9	3.0	5.6	3.6
314	Flatbush, Midwood	4.9	2.6	4.3	2.2	3.8	2.3
315	Sheepshead Bay	4.3	3.3	3.1	2.0	2.1	1.3
316	Brownsville	11.3	6.3	9.9	6.5	9.2	5.6
317	East Flatbush	6.2	4.0	6.4	4.4	6.8	4.6
318	Canarsie	6.3	4.1	5.3	3.2	4.8	3.2
	QUEENS	4.7	3.1	4.5	2.9	4.5	2.9
401	Astoria, Long Island City	4.5	3.7	5.3	3.8	4.3	2.5
402	Sunnyside, Woodside	3.3	2.6	2.8	2.2	2.4	1.9
403	Jackson Heights	3.6	2.4	3.6	2.2	3.2	1.7
404	Elmhurst, Corona	3.2	2.2	3.7	2.4	4.1	2.9
405	Ridgewood, Glendale	3.2	2.3	3.0	2.0	3.7	2.4
406	Rego Park, Forest Hills	2.1	1.1	2.1	1.3	2.3	2.1
407	Flushing	2.9	1.7	2.8	1.9	2.7	1.5
408	Fresh Meadows, Briarwood	7.4	5.2	6.1	3.8	5.1	3.0
409	Woodhaven	4.3	2.0	4.1	1.7	3.5	1.2
410	Howard Beach	5.2	3.2	4.8	2.8	4.9	2.7
411	Bayside	3.8	2.4	2.5	2.0	3.0	3.0
412	Jamaica, St. Albans	8.4	5.6	7.3	4.3	8.4	5.2
413	Queens Village	6.7	3.7	5.9	4.0	6.4	4.9
414	The Rockaways	6.2	3.7	7.5	4.9	7.2	4.8
	STATEN ISLAND	3.5	2.0	4.4	3.5	4.8	3.6
501	Port Richmond	5.0	3.0	5.9	4.5	5.5	3.9
502	Willowbrook, South Beach	1.8	0.7	3.0	2.5	4.5	3.8
503	Tottenville	2.6	1.6	3.1	2.5	3.6	2.7

* Due to instability of the infant mortality rate by community district, the infant mortality rate is presented in rolling three-year averages.

Figure 6 provides single-year infant mortality rate by borough.

- From 2002 to 2011, infant mortality rates decreased for infants born to women aged 40 and older (43%), 30–39 (31%), and 20–29 (10%).
- In 2011, the infant mortality rate was the highest among infants born to the youngest mothers (< 20 years of age) at 8.8 infant deaths per 1,000 live births.

Figure 8. Infant Mortality Rate by Age of Mother, New York City, 2002–2011

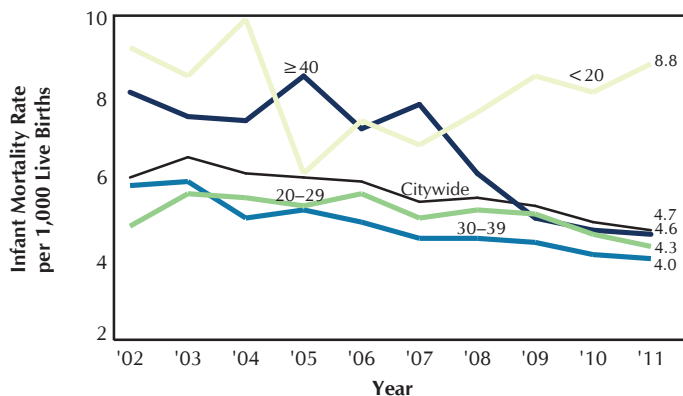
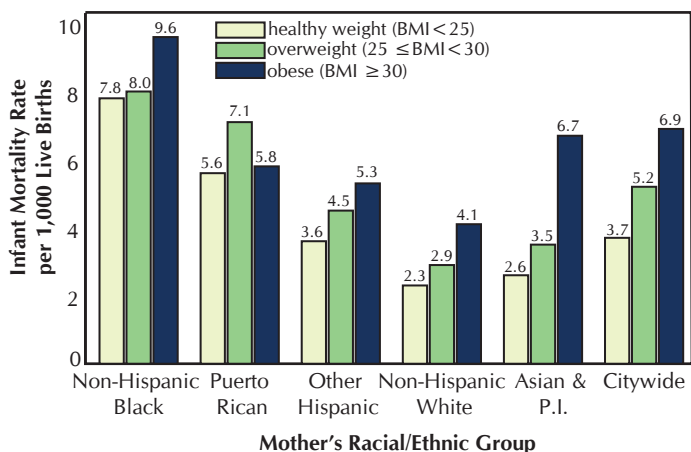


Figure 9. Infant Mortality Rate (Three-year Averages) by Pre-pregnancy Body Mass Index (BMI) and Mother’s Racial/Ethnic Group, New York City, 2009–2011



- Citywide, during 2009–2011, the risk of death for infants born to obese mothers was 1.8 times higher than for infants of healthy weight mothers (3.7 vs. 6.9 per 1,000 live births).
- The infant mortality rate was higher for infants born to overweight and obese mothers compared to those born to healthy weight mothers across all racial ethnic groups.

**Table 7. Live Births and Infant Mortality Rate by Characteristics of Mother,
New York City, 2011**

Characteristics	Live Births		Infant Mortality Rate (IMR) per 1,000 Live Births					
	Number	Percent	All		Neonatal		Post-neonatal	
			Deaths	Rate	Deaths	Rate	Deaths	Rate
Total	123,029	100.0	577	4.7	378	3.1	199	1.6
Race/Ethnicity								
Puerto Rican	8,988	7.3	61	6.8	42	4.7	19	2.1
Other Hispanic	28,643	23.3	124	4.3	79	2.8	45	1.6
Asian and Pacific Islander	19,399	15.8	57	2.9	34	1.8	23	1.2
Non-Hispanic White	38,573	31.4	118	3.1	82	2.1	36	0.9
Non-Hispanic Black	25,825	21.0	210	8.1	136	5.3	74	2.9
Other and unknown	1,601	1.3	7	-	5	-	2	-
Age of Mother								
Age < 18	1,993	1.6	26	13.0	18	9.0	8	4.0
Age 18-19	4,496	3.7	31	6.9	19	4.2	12	2.7
Age 20-29	54,409	44.2	234	4.3	150	2.8	84	1.5
Age 30-39	55,831	45.4	226	4.0	160	2.9	66	1.2
Age ≥ 40	6,299	5.1	29	4.6	18	2.9	11	1.7
Age unknown	1	0.0	-	-	-	-	-	-
Unmatched*	-	-	31	-	13	-	18	-
Mother's Education								
11th grade or less/12th grade, no diploma	27,708	22.5	164	5.9	103	3.7	61	2.2
High school graduate or GED	27,117	22.0	134	4.9	83	3.1	51	1.9
Some college/associate degree	26,939	21.9	117	4.3	85	3.2	32	1.2
Bachelor's degree	22,816	18.5	75	3.3	54	2.4	21	0.9
Master's degree or higher	18,046	14.7	46	2.5	32	1.8	14	0.8
Mother's education unknown	403	0.3	10	-	8	-	2	-
Unmatched*	-	-	31	-	13	-	18	-
Marital Status of Mother#								
Not married	52,030	42.3	349	6.7	221	4.2	128	2.5
Married	70,999	57.7	197	2.8	144	2.0	53	0.7
Unmatched*	-	-	31	-	13	-	18	-
Mother's Birthplace								
US born, including territories	60,498	49.2	332	5.5	231	3.8	101	1.7
Foreign born	62,511	50.8	214	3.4	134	2.1	80	1.3
Birthplace unknown	20	0.0	-	-	-	-	-	-
Unmatched*	-	-	31	-	13	-	18	-
Primary Payer for This Birth								
Medicaid/Family Plus/Child PlusB/other govt	73,122	59.4	339	4.6	215	2.9	124	1.7
Other	49,259	40.0	198	4.0	143	2.9	55	1.1
Coverage unknown	648	0.5	9	-	7	-	2	-
Plurality								
Singletons	119,822	96.0	484	4.0	315	2.6	169	1.4
Multiples	4,967	4.0	92	18.5	74	14.9	18	3.6
Plurality unknown	2	0.0	-	-	-	-	-	-
Unmatched*	-	-	31	-	13	-	18	-
Parity								
First birth	54,854	44.6	242	4.4	166	3.0	76	1.4
Second birth or higher	68,129	55.4	304	4.5	199	2.9	105	1.5
Unknown	46	0.0	-	-	-	-	-	-
Unmatched*	-	-	31	-	13	-	18	-
First Prenatal Care Visit								
No prenatal care	847	0.7	34	40.1	26	30.7	8	9.4
First trimester (1-3 months)	85,562	69.5	330	3.9	228	2.7	102	1.2
Second trimester (4-6 months)	27,497	22.4	111	4.0	71	2.6	40	1.5
Late (7-9 months)	7,539	6.1	33	4.4	18	2.4	15	2.0
Prenatal care unknown	1,584	1.3	38	-	22	-	16	-
Unmatched*	-	-	31	-	13	-	18	-
Pre-pregnancy Body Mass Index (BMI)								
Underweight (BMI < 18.5)	6,797	5.5	16	2.4	11	1.6	5	0.7
Normal weight (18.5 ≤ BMI < 25)	66,594	54.1	239	3.6	147	2.2	92	1.4
Overweight (25 ≤ BMI < 30)	28,885	23.5	138	4.8	103	3.6	35	1.2
Obese (BMI ≥ 30)	19,855	16.1	134	6.7	93	4.7	41	2.1
Pre-pregnancy BMI unknown	898	0.7	19	-	11	-	8	-
Unmatched*	-	-	31	-	13	-	18	-

* Infants who died in New York City who were born elsewhere were classified as unmatched.

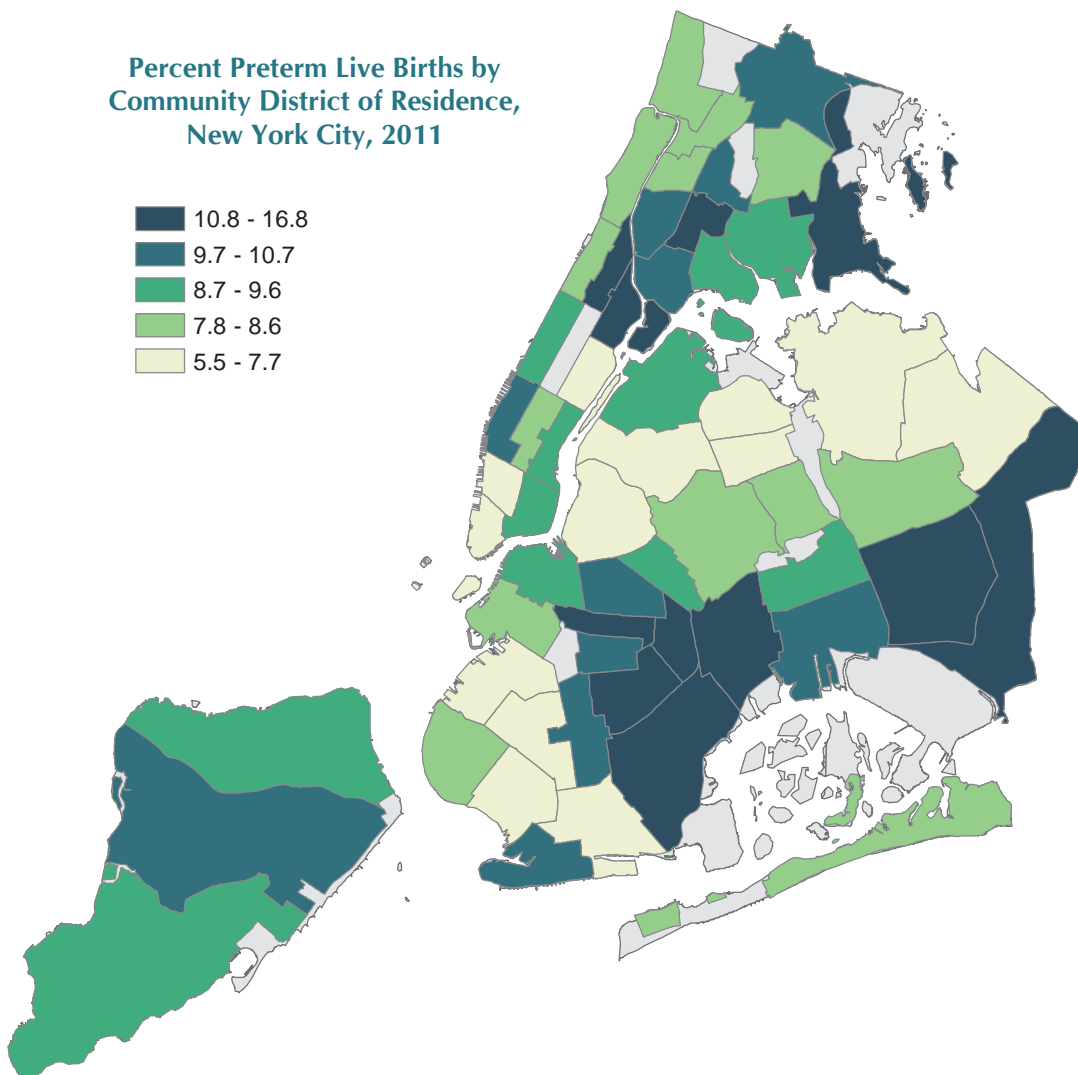
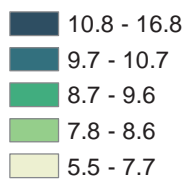
Reporting of mother's marital status on the birth certificate is prohibited by law. Marital status is computed using father's name. When missing or accompanied by an Acknowledgment of Paternity, marital status is categorized as unmarried; all others with father's name are categorized as married.

SUMMARY OF VITAL STATISTICS 2011

THE CITY OF NEW YORK

PREGNANCY OUTCOMES

Percent Preterm Live Births by
Community District of Residence,
New York City, 2011



SUMMARY OF VITAL STATISTICS 2011 THE CITY OF NEW YORK PREGNANCY OUTCOMES

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PREGNANCY OUTCOMES OVERVIEW

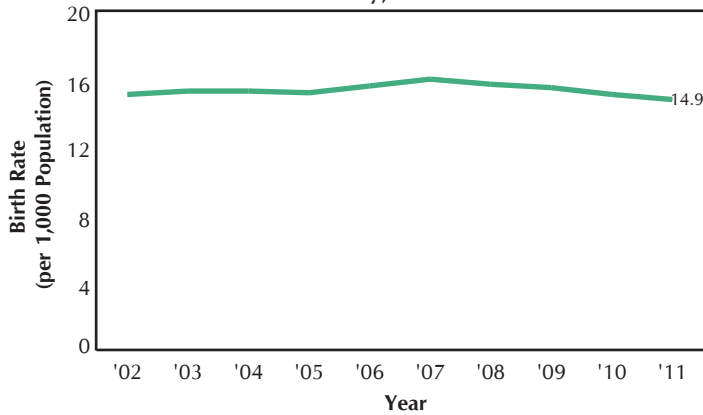
All pregnancies outcomes, whether they result in a live birth or a spontaneous or an induced termination of pregnancy are required by law to be reported to the Department of Health and Mental Hygiene. This report is a compilation of the information reported about these events and is prepared to monitor trends in the health of women and their infants in New York City. For additional tables, technical notes and images of standard NYC certificates of birth, please see the Bureau of Vital Statistics website at www.nyc.gov/vitalstats.

Select Key Findings:

- The citywide birth rate's recent peak in 2007 was 16.1 per 1,000 population (last peaked in 1996, at 16.4), up from 15.2 in 2002. Since 2007, the birth rate has decreased 7.5%, reaching 14.9 in 2011.
- The teen birth rate declined to a new low of 26.0 live births per 1,000 women 15–19 years of age in 2011. The rate has decreased 29.5% from 36.9 in 2002, and 6.5% from 27.8 in 2010.
- Preterm (<37 weeks) and low birthweight (<2,500g) births each accounted for nearly 10% of live births in 2011. Non-Hispanic blacks are disproportionately more likely to have preterm (13.1%) and low birthweight infants (12.6%) than other racial/ethnic groups.
- In 2011, 40.0% of women giving birth were either overweight or obese. Disproportionately more non-Hispanic black (58.0%) and Hispanic (50.9%) women giving birth were either overweight or obese.
- Citywide, the percentage of live births born via Cesarean section increased steadily from 26.0% in 2002 to 32.9% in 2008, but decreased slightly over the last 3 years to 32.5% in 2011.
- Approximately 30% of newborns were exclusively breastfed at the time of birth certificate filing. Certificate filing usually occurs within the first 5 days of life.
- Citywide, nearly 7% of births receive either late (3rd trimester) or no prenatal care. Teenage mothers (<20 years of age) were disproportionately more likely to receive late or no prenatal care (14.1%) than other age groups.
- The rate of induced termination of pregnancy decreased 11% from 2002 to 2011, and nearly that entire decline has occurred in the past 4 years.

PREGNANCY OUTCOMES OVERVIEW

Figure 1. Crude Birth Rate, New York City, 2002–2011



- The citywide crude birth rate’s recent peak in 2007 was 16.1 per 1,000 population (last peaked in 1996, at 16.4), up from 15.2 in 2002. Since 2007, the birth rate has decreased 7.5%, reaching 14.9 in 2011.
- More detailed information on birth rates can be found in Table 1 and Figures 4, 5, and 6.

- The citywide crude rate of spontaneous termination of pregnancy (i.e., miscarriages and stillbirths) decreased 11.8% from 6.9 per 1,000 women aged 15-44 years in 2002 to 6.1 in 2009, followed by a 27.9% increase to 7.8 in 2011.
- The increase is largely attributable to recent increased outreach and education of targeted medical facilities about legal reporting requirements rather than a true increase in such events.
- More detailed information on spontaneous termination of pregnancy rates can be found in Table 1.

Figure 2. Crude Rate of Spontaneous Termination of Pregnancy, New York City, 2002–2011

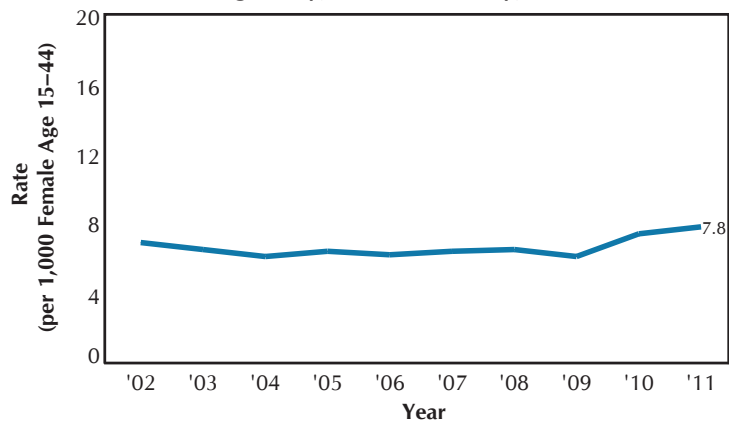
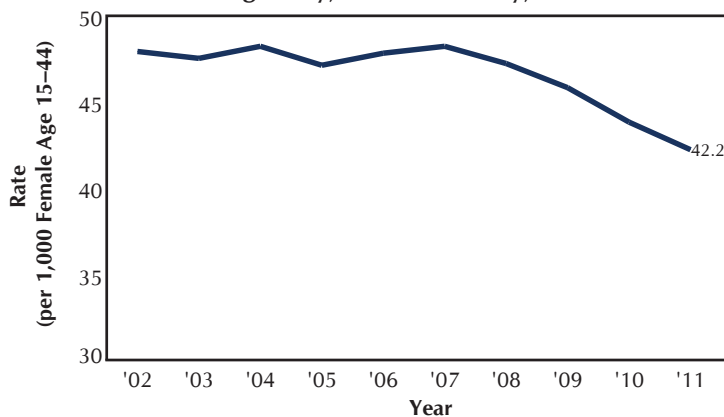


Figure 3. Crude Rate of Induced Termination of Pregnancy, New York City, 2002–2011



- The citywide crude rate of induced termination of pregnancy decreased 12.4% from 2002 to 2011, and nearly that entire decline has occurred in the last four years.
- Outreach and education of targeted medical facilities about legal reporting requirements continues to be conducted annually.
- More detailed information on induced termination of pregnancy can be found in Table 1.

Table 1. Pregnancy Outcomes, Pregnancy Outcome Rates*, and Pregnancy Rates* by Women's Age Group, Racial/Ethnic Group, and Borough of Residence, New York City, 2011

	Age of Woman Years	Live Births		Spontaneous Terminations		Induced Terminations		Pregnancy Rate per 1,000 Women
		Counts	Rates	Counts	Rates	Counts	Rates	
New York City †	15-19	6,489	26.0	812	3.3	11,302	45.2	74.5
	20-29	54,409	76.0	5,587	7.8	44,392	62.0	145.8
	30-39	55,831	86.2	6,771	10.5	21,712	33.5	130.2
	40-49	6,299	10.8	1,769	6.0	3,077	10.5	37.9
	Total	123,029	14.9	14,947	7.8	80,485	42.2	114.5
Ethnic Group‡								
Hispanic	15-19	3,717	41.3	223	2.5	3,895	43.3	87.0
	20-29	19,736	97.6	1,393	6.9	13,753	68.0	172.5
	30-39	12,934	70.9	1,303	7.1	5,660	31.0	109.0
	40-49	1,244	7.4	362	4.2	650	7.6	26.3
	Total	37,631	15.9	3,281	5.9	23,959	42.7	115.7
Asian and Pacific Islander	15-19	179	6.2	10	0.3	305	10.6	17.1
	20-29	8,285	83.1	386	3.9	2,026	20.3	107.3
	30-39	10,059	98.2	607	5.9	1,665	16.2	120.3
	40-49	876	10.1	134	3.1	312	7.1	30.2
	Total	19,399	17.8	1,137	4.1	4,308	15.7	90.4
Non-Hispanic White	15-19	491	8.7	62	1.1	745	13.2	23.0
	20-29	13,246	53.9	896	3.6	5,097	20.7	78.2
	30-39	22,071	104.5	1,798	8.5	3,087	14.6	127.6
	40-49	2,765	16.7	484	5.7	620	7.3	45.6
	Total	38,573	14.0	3,240	5.4	9,550	16.0	85.8
Non-Hispanic Black	15-19	2,012	29.1	274	4.0	5,340	77.2	110.2
	20-29	12,492	81.1	1,514	9.8	19,559	126.9	217.8
	30-39	10,018	71.6	1,583	11.3	9,120	65.2	148.0
	40-49	1,303	8.4	412	5.5	1,169	15.6	38.5
	Total	25,825	13.7	3,783	8.6	35,188	80.3	147.9
Borough of Residence‡								
Manhattan	15-19	731	18.8	91	2.3	1,687	43.5	64.6
	20-29	5,898	32.9	672	3.8	6,944	38.8	75.4
	30-39	11,120	77.8	1,252	8.8	3,338	23.3	109.9
	40-49	1,574	14.7	371	6.7	538	9.7	44.7
	Total	19,323	12.1	2,388	5.7	12,508	30.0	82.2
Bronx	15-19	1,980	37.3	245	4.6	3,007	56.6	98.6
	20-29	10,886	96.0	1,207	10.6	10,566	93.2	199.8
	30-39	6,906	68.5	984	9.8	4,734	46.9	125.2
	40-49	693	6.7	246	4.8	560	11.0	29.4
	Total	20,465	14.7	2,682	8.4	18,867	59.3	132.0
Brooklyn	15-19	2,127	26.8	238	3.0	3,337	42.1	71.9
	20-29	20,237	92.3	1,870	8.5	13,383	61.0	161.9
	30-39	17,096	84.6	2,053	10.2	6,512	32.2	127.0
	40-49	1,843	10.6	502	5.7	877	10.0	36.7
	Total	41,303	16.3	4,664	7.9	24,109	41.0	119.1
Queens	15-19	1,293	20.4	163	2.6	2,146	33.8	56.8
	20-29	12,514	72.3	1,310	7.6	8,796	50.8	130.7
	30-39	11,958	69.9	1,485	8.7	4,440	25.9	104.5
	40-49	1,111	6.7	385	4.7	628	7.7	25.9
	Total	26,876	12.0	3,343	6.8	16,011	32.7	94.4
Staten Island	15-19	230	15.1	31	2.0	372	24.5	41.7
	20-29	2,308	74.2	230	7.4	1,315	42.3	123.9
	30-39	2,746	89.3	341	11.1	574	18.7	119.1
	40-49	235	6.5	74	4.2	92	5.2	22.7
	Total	5,519	11.7	676	7.1	2,353	24.9	90.3

Note: Population data used to calculate rates are 2011 estimates based on the 2010 census. See Technical Notes: Population.

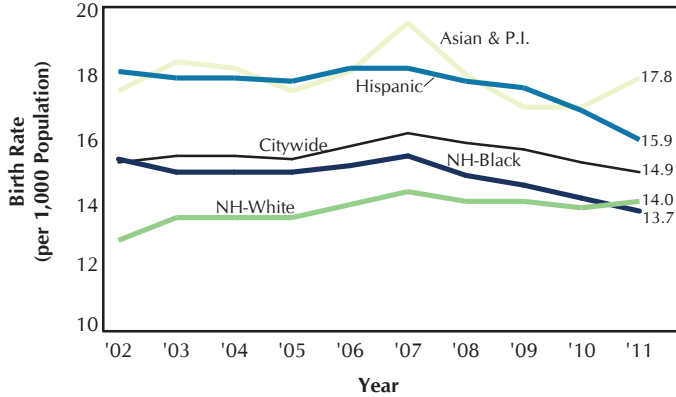
*In 2011, birthrate to females age 15 to 19 and 40 to 49 are computed by relating the number of events to females <20 to female population age 15 to 19 and the number of events to females 40 and over to the female population age 40 to 49, respectively. Age 40 to 49, as opposed to age 40 to 45, is used for age-specific birth rate denominator due to the increased number of births occurring to older women. See Technical Notes: Pregnancy Outcome Rates.

† 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.

BIRTH RATE

Figure 4. Birth Rate by Mother's Racial/Ethnic Group, New York City, 2002–2011



- In 2011, women aged 30–39 years had the highest birth rate, followed by women aged 20–29, 15–19, and 40–49 years.
- During the last decade, the teenage birth rate steadily declined, dropping 29.6% from 36.9 in 2002 to 26.0 in 2011.
- The upper age category for birth rate has changed from 40–44 years to 40–49 years due to the increasing number of births to women older than 45 years. See Technical Notes: Birth Rates.

- From 2002 to 2011, birth rates increased among non-Hispanic whites (9.8%) and Asians and Pacific Islanders (2.3%).
- During the same time period, birth rates decreased among Hispanics (12.1%) and non-Hispanic blacks (10.5%).

Figure 5. Birth Rate by Mother's Age Group, New York City, 2002–2011

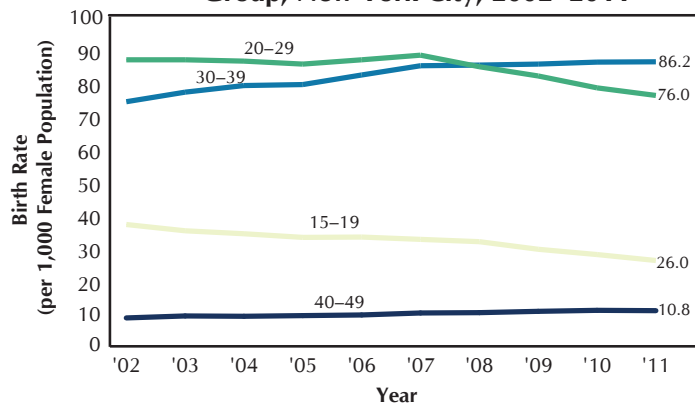
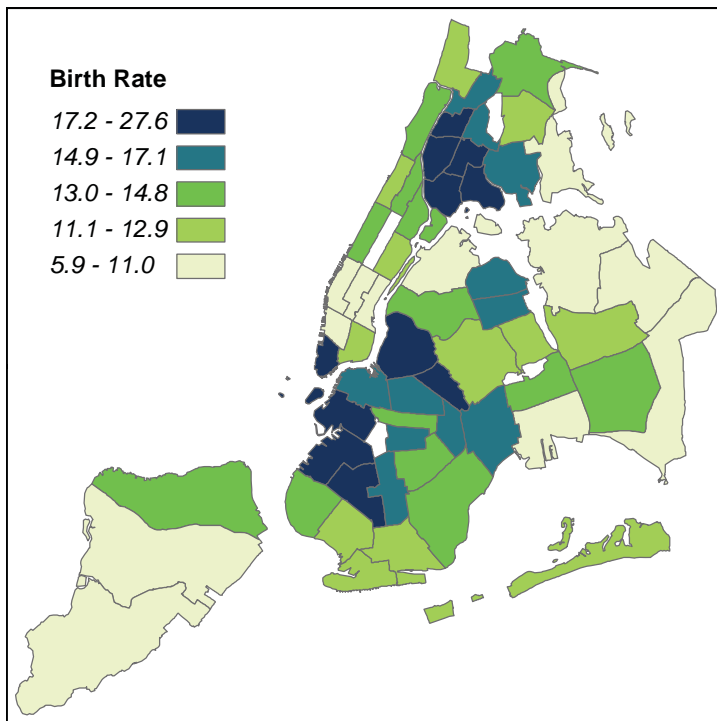


Figure 6. Birth Rate by Community District of Residence, New York City, 2011



- In 2011, Bayside was the community district with the lowest birth rate in New York City at 5.5 births per 1,000 population, followed by Throgsneck, at 8.0, Chelsea/Clinton at 8.8 and Greenwich Village and Queens Village, each at 8.9.
- The community districts with the highest birth rates in 2011 were Borough Park, at 27.9 births per 1,000 population, followed by Sunset Park at 23.5, Williamsburg/Greenpoint, at 20.1, Morrisania, at 18.3 and Concourse/Highbridge at 18.1.

PRETERM LIVE BIRTHS

- Preterm live births (<37 weeks) accounted for 9.3% of all births citywide in 2011. Peaks in this percentage were seen in 2004 (10.1%), 2005 (10.0%), and 2008 (9.8%) and, since that time, this percentage has been slowly declining.
- At 13.1%, non-Hispanic blacks had disproportionately more preterm live births in 2011 than other racial/ethnic groups (range 7.6% to 9.1%).

Figure 7. Percent Preterm Live Births by Mother's Racial/Ethnic Group, New York City, 2002–2011

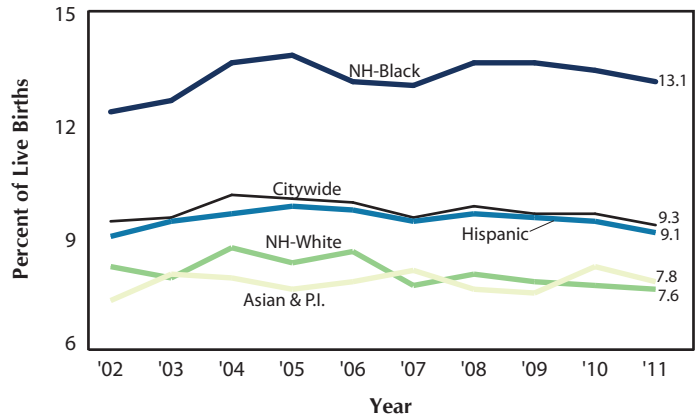
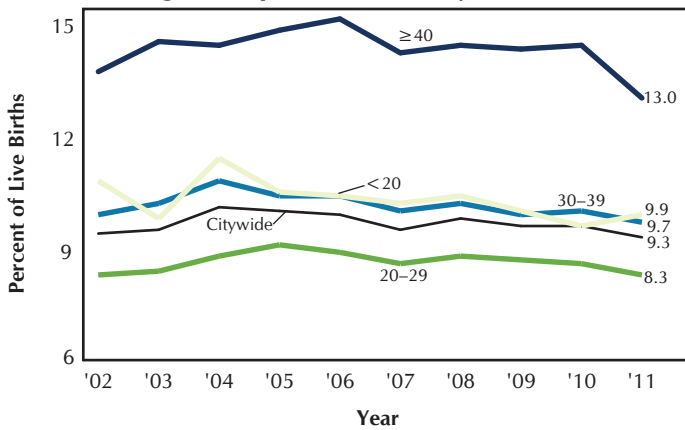


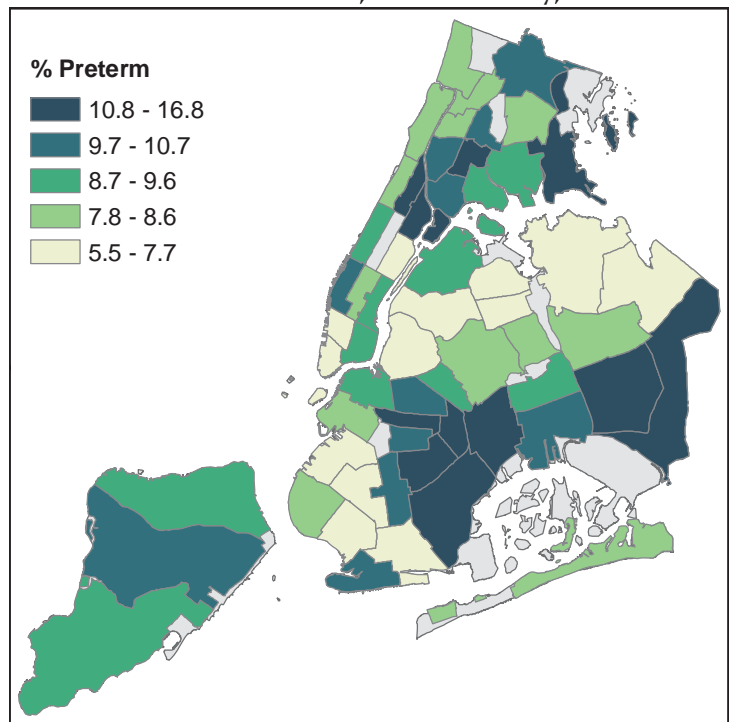
Figure 8. Percent Preterm Live Births by Mother's Age Group, New York City, 2002–2011



- Women ≥40 years old continue to have disproportionately more preterm births than younger women at 13.0% in 2011.
- Preterm live births among mothers <20, 30–39, and 20–29 accounted for 9.9%, 9.7%, and 8.3% of all live births, respectively, in 2011.

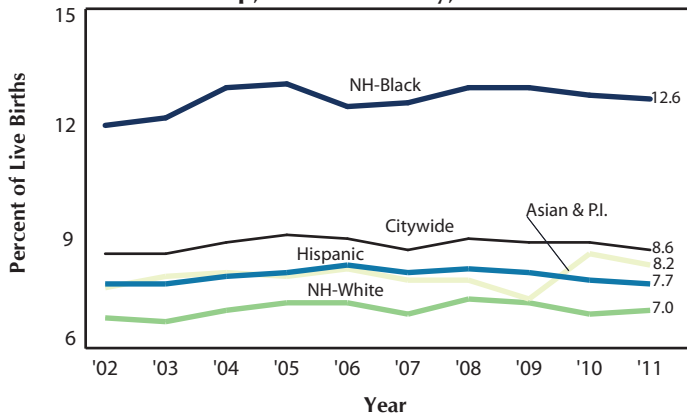
- The community districts with the lowest percentage of preterm live births included Williamsburg/Greenpoint (5.5%), Borough Park (6.3%), Battery Park/Tribeca (6.4%), Bayside (6.5%), and the Upper East Side (6.7%).
- Community districts with the highest percentage of preterm live births (all ≥12%) were Brownsville (16.8%), East Flatbush (14.2%), Crown Heights North (13.1%), Throgs Neck (12.4%), and Central Harlem and East New York (12.0% each).

Figure 9. Percent Preterm Live Births by Community District of Residence, New York City, 2011



LOW BIRTHWEIGHT

Figure 10. Percent of Low Birthweight Live Births by Mother's Racial/Ethnic Group, New York City, 2002–2011



- Citywide, the percent of low birthweight live-births (<2,500g) has remained relatively stable from 2002 to 2011 with small fluctuations between 8.5% and 9.0%.
- Non-Hispanic blacks have disproportionately more low birthweight births (12.6% in 2011), relative to other racial/ethnic groups (range: 7.0% to 8.2%).

- In 2011, mothers aged 40 years and older continued to have the highest percentage of low birthweight live births (12.4%), followed by mothers <20 (10.4%), 30–39 (8.7%), and 20–29 (7.9%).

Figure 11. Percent of Low Birthweight Live Births by Mother's Age Group, New York City, 2002–2011

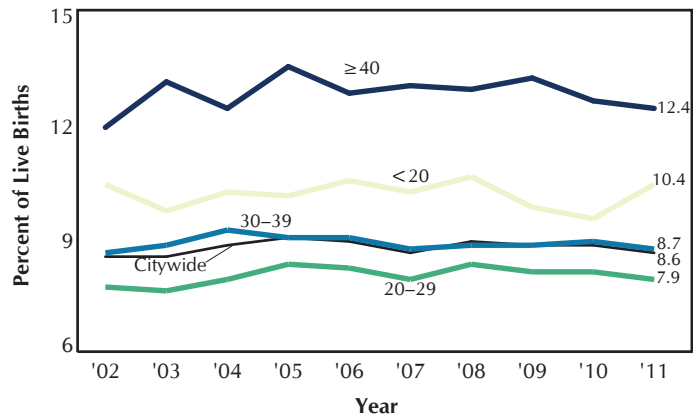
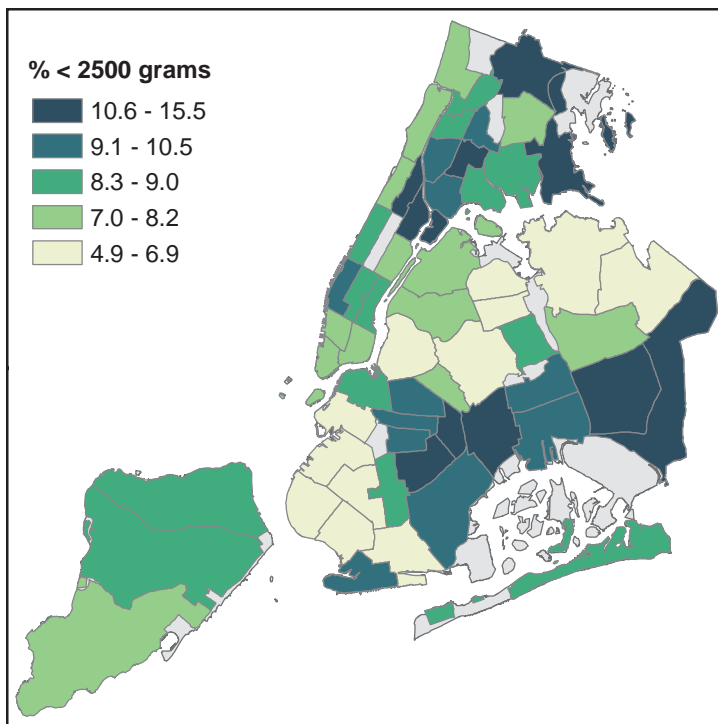


Figure 12. Percent of Low Birthweight Live Births by Community District of Residence, New York City, 2011



- In 2011, Williamsburg/Greenpoint was the community district with the lowest percentage of low birthweight live births (4.9%), followed by Bayside (5.5% each), Ridgewood/Glendale and Jackson Heights (5.8% each), Sunset Park (6.0%), and Elmhurst/Corona, Borough Park, and Bay Ridge (6.3% each).
- The community districts with the highest percentages of infants born below 2,500 grams were Brownsville (15.5%), East Flatbush (13.0%), Central Harlem (11.8%), Jamaica/St. Albans (11.2%), and Williamsbridge (11.1%).

MOTHER'S BODY MASS INDEX (BMI)

- In 2011, 40% of women who gave birth were either overweight (23.7%) or obese (16.3%) before pregnancy.
- More than half of non-Hispanic blacks (58.0%) and Hispanics (50.9%) who gave birth in 2011 were overweight or obese before pregnancy.
- Asians and Pacific Islanders along with non-Hispanic whites had the lowest levels of pre-pregnancy obesity at 4.9% and 9.1%, respectively.

Figure 13. Pre-pregnancy BMI* by Mother's Racial/Ethnic Group, New York City, 2011

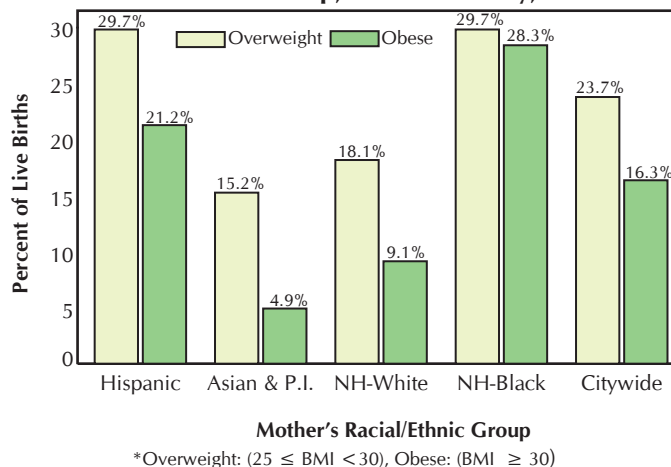
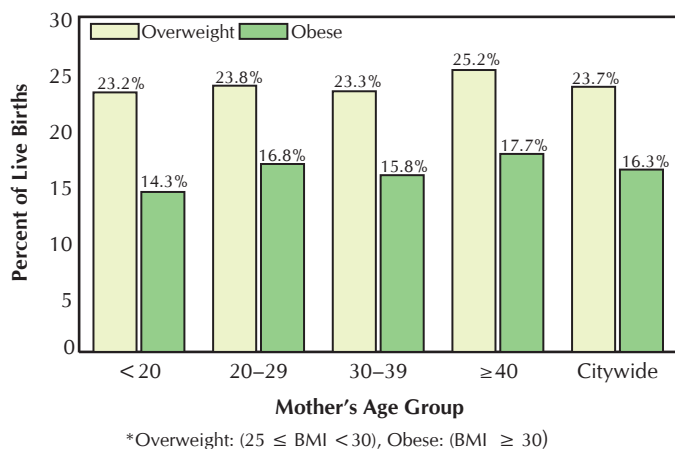


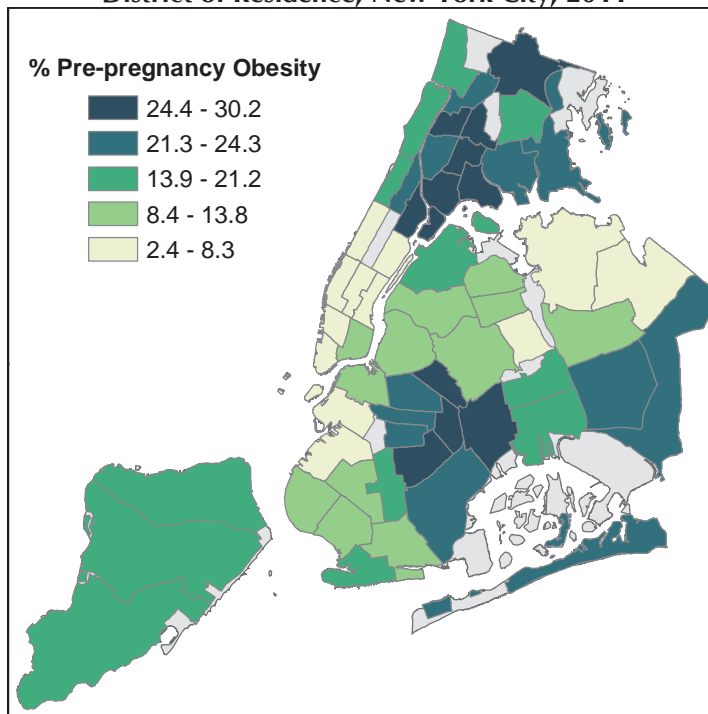
Figure 14. Pre-pregnancy BMI* by Mother's Age Group, New York City, 2011



- The percentage of pre-pregnancy obesity is similar across all maternal age groups.
- In 2011, teenage mothers (< 20 years) had the lowest percentage of pre-pregnancy obesity (14.3%), while mothers aged 40 years and older had the highest (17.7%).

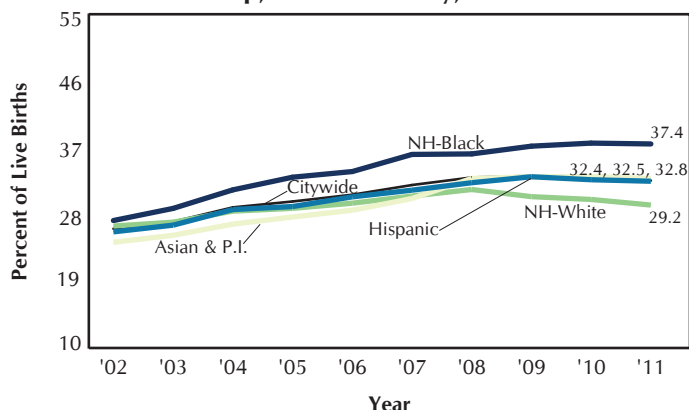
- The following community districts had the lowest percentage of pre-pregnancy obesity: Greenwich Village/SoHo (2.4%), Battery Park/Tribeca (2.6%), Upper East Side (3.4%), Murray Hill (4.0%), and Midtown Business District (4.4%).
- In 2011, Brownsville was the community district with the highest percentage of pre-pregnancy obesity, at 30.2%. Community districts with greater than 27% of pre-pregnancy obesity included East New York (29.1%), Mott Haven (28.3%), East Flatbush (27.7%), East Tremont (27.6%), and Morristania (27.3%).

Figure 15. Percent of Infants Born to Mothers with Pre-pregnancy Obesity by Community District of Residence, New York City, 2011



CESAREAN SECTION (C-SECTION) BIRTHS

Figure 16. Percent of Live Births Delivered by C-section by Mother's Racial/Ethnic Group, New York City, 2002–2011



- Citywide, the percentage of live births born via C-section increased from 26.0% in 2002 to 32.9% in 2008, but has decreased slightly to 32.5% in 2011.
- Since 2008, the percentage of C-sections among Hispanics and Asian and Pacific Islanders mirror the citywide percent at approximately 32.5%. The percentage of C-sections among non-Hispanic blacks continued to increase after 2008 to 37.4% of all live births, whereas the percentage among non-Hispanic whites decreased 6.7% to 29.2%.

- The percent of live births delivered by C-section increased as maternal age increased.
- The highest percent was among mother's age >40 with nearly half (49.0%) of all births delivered via C-section.

Figure 17. Percent of Live Births Delivered by C-section by Mother's Age Group, New York City, 2002–2011

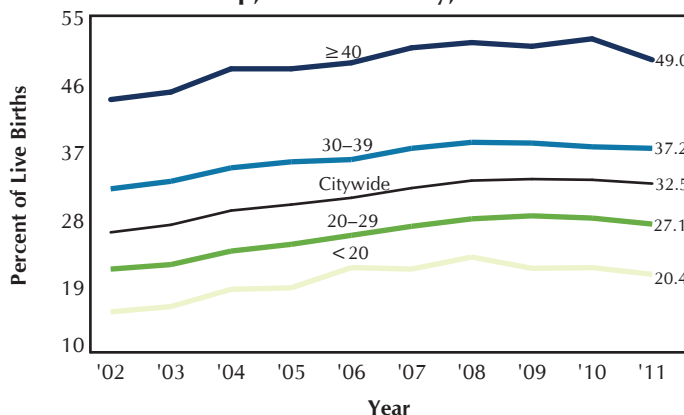
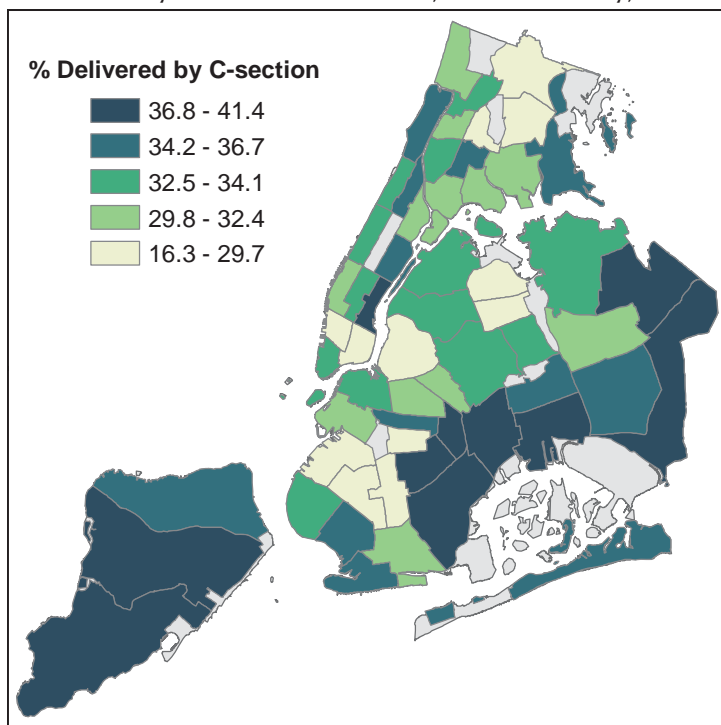


Figure 18. Percent of Live Births Delivered by C-section by Community District of Residence, New York City, 2011



- The following community districts had the lowest percentages of births delivered by C-section: Williamsburg/Greenpoint (16.3%), Borough Park (17.8%), the Lower East Side (26.9%), Sunset Park and Elmhurst/Corona (28.6%), and Pelham Parkway (28.7%).
- Tottenville was the community district with the highest percentage of live births delivered by C-section, at 41.4%. Other community districts with a high C-section percentage were Brownsville (39.0%), Willowbrook/South Beach (38.5%), Howard Beach (38.2%), and Queens Village (38.1%).

MULTIPLE LIVE BIRTHS

- During the last decade, the citywide percentage of live births that were twins or higher order multiples has remained fairly stable (3.8% in 2002 and 3.9% in 2011).
- In 2011, non-Hispanic white mothers had the largest percent of live births that were twins or higher order multiples (5.3%), followed by non-Hispanic blacks (4.0%), Asians and Pacific Islanders (3.1%), and Hispanics (2.8%).

Figure 19. Percent of Live Births with Twins or Higher Order Multiples by Mother's Racial/Ethnic Group, New York City, 2002–2011

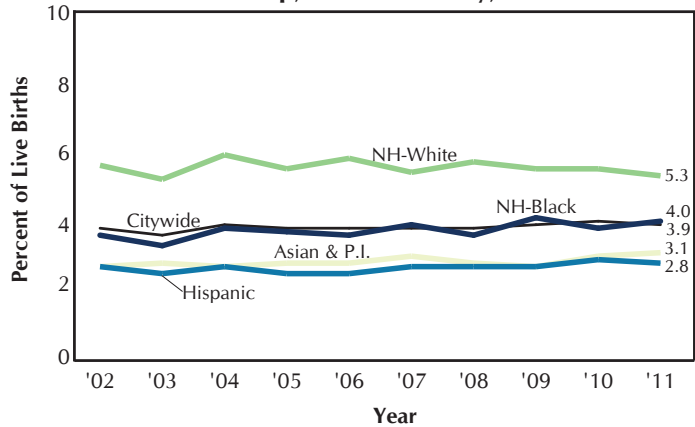
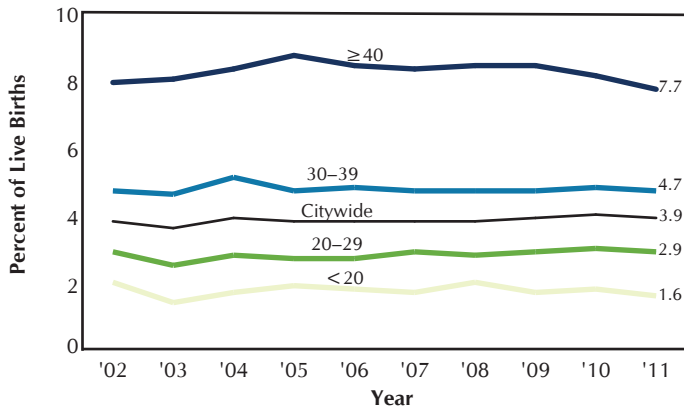


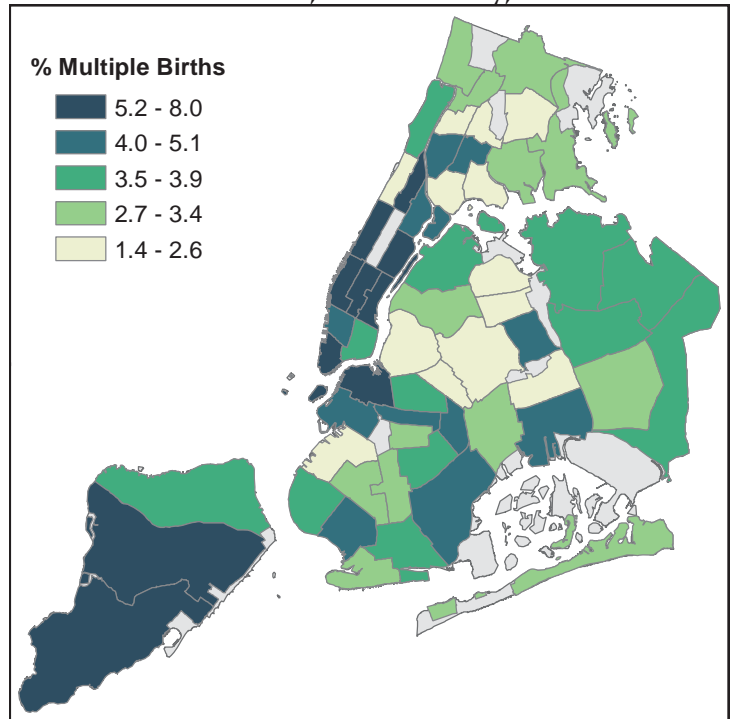
Figure 20. Percent of Live Births with Twins or Higher Order Multiples by Mother's Age Group, New York City, 2002–2011



- From 2002 to 2011, the percentage of live births that were twins or higher order multiples has largely remained stable for every maternal age group; however recently among women ≥ 40 years, the percentage declined from 8.4% in 2009 to 7.7% in 2011.
- The higher percentage of women age 40 and older who give birth to multiples is likely largely attributable to more frequent use of assisted reproductive technology compared to other age groups.

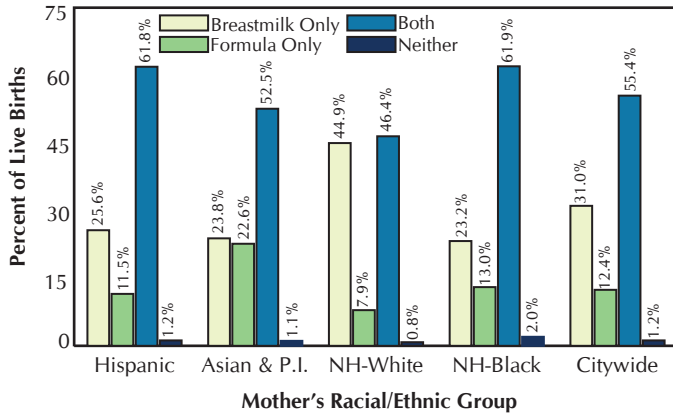
- The following community districts had the lowest percentages of multiple live births: Elmhurst/Corona (1.4%), Jackson Heights (1.8%), Bushwick and University/Morris Heights (2.2% each), Manhattanville (2.3%), and Mott Haven and Woodhaven (2.4%).
- The following community districts had the highest percentages of multiple live births: Midtown Business District (8.0%), Murray Hill (7.8%), Upper West Side (7.1%), Battery Park/Tribeca (6.2%), and Upper East Side (6.1%).

Figure 21. Percent of Live Births with Twins or Higher Order Multiples by Community District of Residence, New York City, 2011



BREASTFEEDING

Figure 22. Percent of Infant Feeding Status at the Time of Birth Certificate Filing by Mother's Racial/Ethnic Group, New York City, 2011



- Citywide, the majority of infants born in 2011 (86.4%) were fed some breastmilk at the time of birth certificate filing.
- Teenage mothers (<20 years) were less likely to exclusively breastfeed (20.3%) in comparison to all other maternal age groups (range: 27.4% to 35.4%).

- In 2011, non-Hispanic whites were more likely to report feeding their infants exclusively breast milk (44.9%) at the time of birth certificate filing (within first 5 days of life) than other racial/ethnic groups (range: 23.2% to 25.6%).
- A greater percentage of Asians and Pacific Islanders fed their newborns solely formula (22.6%) than other racial/ethnic groups (range: 7.9% to 13.0%).

Figure 23. Percent of Infant Feeding Status at the Time of Birth Certificate Filing by Mother's Age Group, New York City, 2011

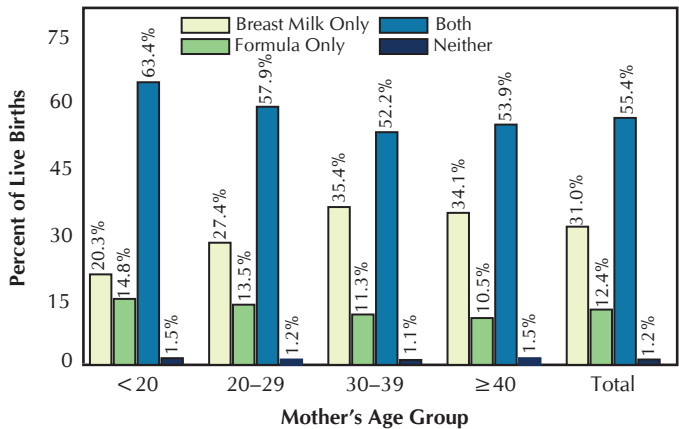
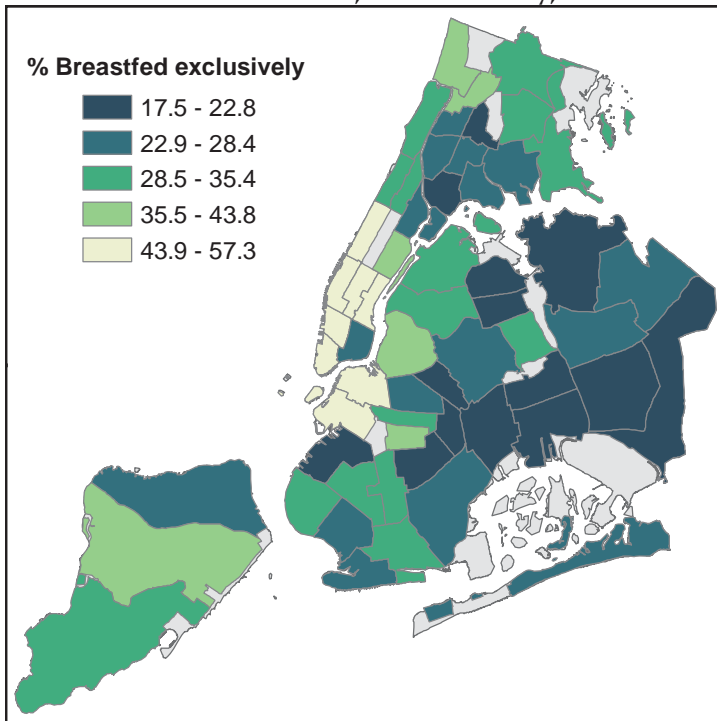


Figure 24. Percent of Infants Fed Breastmilk Only at the Time of Birth Certificate Filing by Community District of Residence, New York City, 2011



- East New York was the community district with the smallest percentage of infants (17.5%) who were exclusively breastfed by time of report. Other community districts with low percentages of breastfeeding were Brownsville (18.3%), Bushwick (19.1%), Elmhurst/Corona, (19.3%), and Sunset Park (19.5%).
- In the following community districts, 50% or more of infants were breastfed only at the time of birth certificate filing: Park Slope (57.3%), Murray Hill (55.1%), Greenwich Village/SoHo (54.8%), Battery Park/Tribeca (54.4%), and Midtown Business District (50.9%).

PRENATAL CARE

- Citywide, over 90% of mothers received prenatal care within the first 2 trimesters of pregnancy.
- A higher percentage of non-Hispanic black mothers (11.6%) either initiate prenatal care late or do not receive prenatal care at all.
- Prenatal care was initiated late or not at all for 7.8% of Hispanics, 5.8% of Asian and Pacific Islanders, and 3.4% of non-Hispanic whites.

Figure 25. Percent of Mothers who Received Late or No Prenatal Care by Mother's Racial/Ethnic Group, New York City, 2011

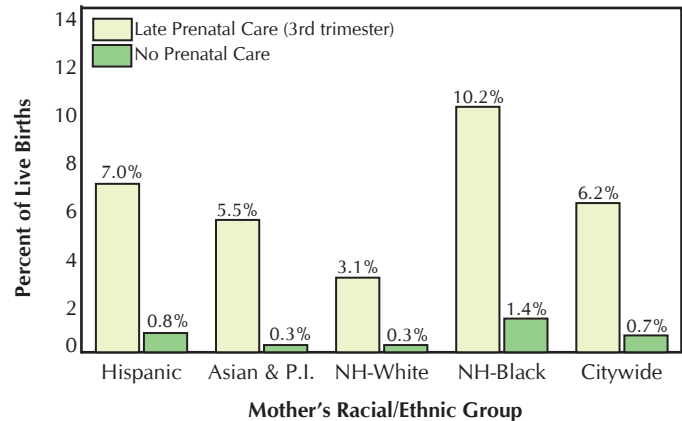
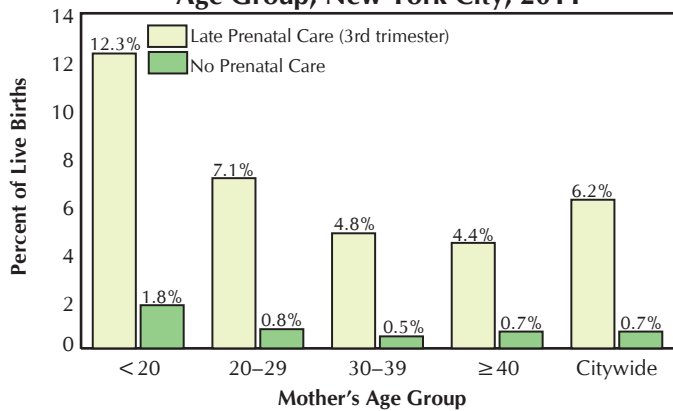


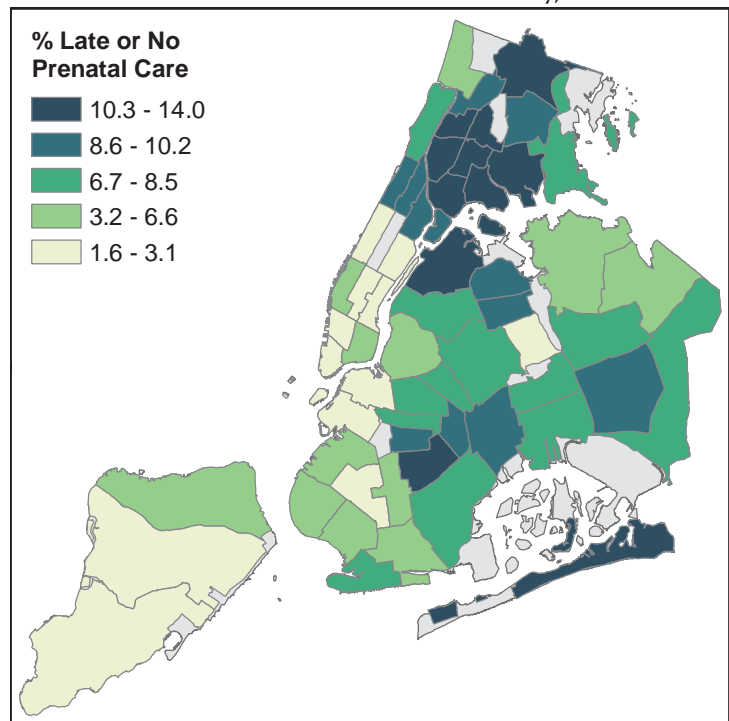
Figure 26. Percent of Mothers who Received Late or No Prenatal Care by Mother's Age Group, New York City, 2011



- The percentage of mothers receiving late or no prenatal care decreased as maternal age increased, falling from 14.1% for teen mothers to 5.1% for mothers aged 40 years or older.
- In 2011, citywide only 0.7% of mothers received no prenatal care. The highest percentage of no prenatal care (1.8%) was among teenage mothers.

- The following community districts had the lowest percentage of mothers who received late or no prenatal care: Greenwich Village/SoHo (1.6%), Tottenville (1.7%), the Upper East Side (1.9%), Battery Park/Tribeca (2.2%), and Midtown Business District (2.5%).
- The community district with the highest percentage of late or no prenatal care was Williamsbridge, at 14.0%. Other community districts with high percentages of late or no prenatal care included East Flatbush (13.5%), Morrisania (13.2%), Unionport/Soundview and Hunts Point (11.9%), and the Rockaways (11.5%).

Figure 27. Percent of Mothers who Received Late or No Prenatal Care by Community District of Residence New York City, 2011



**SUMMARY OF VITAL STATISTICS
2011
THE CITY OF NEW YORK
Appendix A**

**Supplemental Population,
Mortality and
Pregnancy Outcome Data Tables**

**BUREAU OF VITAL STATISTICS, NEW YORK CITY DEPARTMENT OF HEALTH AND MENTAL HYGIENE
125 WORTH STREET, CN 7, NEW YORK, NEW YORK, 10013**

FEBRUARY 2013

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POPULATION CHARACTERISTICS

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Year	Population	Live Births		Fertility Rates	Marriages†		Deaths		Infant Mortality	
		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
1966-1970	7,872,972	147,294	18.7		71,653	9.1	88,779	11.3	3,477	23.6
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
2011	8,244,910	123,029	14.9	64.5	71,401	8.7	52,789	6.4	577	4.7

* 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.

POPULATION CHARACTERISTICS

Table PC2. Population Estimates by Age, Mutually Exclusive Race and Hispanic Origin, and Sex, New York City, 2011

Age in Years	All			Hispanic			Non-Hispanic White			Non-Hispanic Black			Asian and Pacific Islander			Other or Multiple Race		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
All Ages	8,244,910	3,925,356	4,319,554	2,373,305	1,151,797	1,221,508	2,749,894	1,333,907	1,415,987	1,890,616	849,457	1,041,159	1,087,184	522,705	564,479	143,911	67,490	76,421
Under 5	534,206	273,421	260,785	186,304	95,240	91,064	151,218	77,600	73,618	118,596	60,250	58,346	59,392	30,680	28,712	18,696	9,651	9,045
5-9	476,997	243,962	233,035	167,589	85,399	82,190	126,852	65,484	61,368	113,855	57,688	56,167	56,289	29,158	27,131	12,412	6,233	6,179
10-14	464,675	236,767	227,908	165,062	84,112	80,950	110,119	56,611	53,508	123,493	62,218	61,275	55,330	28,415	26,915	10,671	5,411	5,260
15-19	507,082	257,294	249,788	185,225	95,190	90,035	114,403	57,864	56,539	138,524	69,320	69,204	58,760	29,889	28,871	10,170	5,031	5,139
20-24	644,009	315,463	328,546	209,248	108,538	100,710	187,952	87,801	100,151	152,135	73,720	78,415	82,798	39,963	42,835	11,876	5,441	6,435
25-29	744,521	357,135	387,386	207,949	106,429	101,520	277,697	131,873	145,824	139,589	63,889	75,700	105,789	48,968	56,821	13,497	5,976	7,521
30-34	679,773	329,964	349,809	194,538	97,829	96,709	242,148	122,466	119,682	130,050	57,716	72,334	101,476	46,863	54,613	11,561	5,090	6,471
35-39	580,635	282,728	297,907	171,040	85,260	85,780	190,287	98,781	91,506	119,739	52,091	67,648	90,153	42,295	47,858	9,416	4,301	5,115
40-44	570,739	276,745	293,994	167,191	81,444	85,747	178,153	93,320	84,833	132,858	57,992	74,866	83,586	39,870	43,716	8,951	4,119	4,832
45-49	562,350	270,391	291,959	158,049	74,677	83,372	168,728	88,347	80,381	144,622	63,663	80,959	82,437	39,712	42,725	8,514	3,992	4,522
50-54	546,030	257,390	288,640	140,360	64,464	75,896	178,506	89,516	88,990	140,095	61,217	78,878	79,316	38,652	40,664	7,753	3,541	4,212
55-59	488,048	225,108	262,940	117,056	51,951	65,105	178,539	86,832	91,707	116,838	49,722	67,116	69,388	33,753	35,635	6,227	2,850	3,377
60-64	433,651	194,929	238,722	96,333	41,623	54,710	177,095	83,235	93,860	98,905	41,077	57,828	56,415	26,846	29,569	4,903	2,148	2,755
65-69	306,242	132,860	173,382	69,996	29,379	40,617	124,349	56,694	67,655	73,335	28,853	44,482	35,358	16,544	18,814	3,204	1,390	1,814
70-74	238,747	100,621	138,126	52,667	21,208	31,459	100,969	44,793	56,176	55,136	20,796	34,340	27,578	12,828	14,750	2,397	996	1,401
75-79	179,317	72,759	106,558	37,732	14,059	23,673	81,354	35,254	46,100	38,967	13,828	25,139	19,683	8,989	10,694	1,581	629	952
80-84	141,648	52,585	89,063	25,532	8,829	16,703	74,997	29,585	45,412	27,282	8,522	18,760	12,812	5,280	7,532	1,025	369	656
85 & Over	146,240	45,234	101,006	21,434	6,166	15,268	86,528	27,851	58,677	26,597	6,895	19,702	10,624	4,000	6,624	1,057	322	735

Data Source: US Census Bureau, population estimates, 2011.

Table PC3. Marriages, Births, Deaths, and Infant Deaths by Month and Average per Day, New York City, 2011

Months	Number			Average Per Day		
	Marriages*	Births	Deaths	Marriages	Births	Deaths
January	4,203	10,261	5,321	136	331	172
February	4,795	9,333	4,402	171	333	157
March	5,606	10,087	4,654	181	325	150
April	5,713	9,797	4,287	190	327	143
May	5,932	10,297	4,214	191	332	136
June	6,545	10,363	4,084	218	345	136
July	7,006	10,700	4,323	226	345	139
August	7,587	10,728	4,164	245	346	134
September	6,933	10,657	4,083	231	355	136
October	6,165	10,291	4,395	199	332	142
November	5,462	10,241	4,407	182	341	147
December	5,454	10,274	4,455	176	331	144
Total	71,401	123,029	52,789	196	337	145

* See Technical Notes: Vital Event Reporting.

MORTALITY

Table M1. Deaths by Selected Underlying Cause, Borough of Residence, Sex, and ICD-10/ICD-9 Comparability Ratio, New York City, 2011

Cause (Codes from International Classification of Diseases (ICD), Tenth Revision, 1999)	BOROUGH OF RESIDENCE						SEX			ICD-10/ICD-9 Comparability Ratio	
	Total	Manhattan	Bronx	Brooklyn	Queens	Staten Island	Nonresidents	Residence Unknown	SEX		
									Male		Female
Total Deaths	52,789	9,526	8,606	15,556	12,061	3,169	3,794	77	25,683	27,106	
Natural Causes	49,862	9,038	8,075	14,744	11,417	2,989	3,551	48	23,606	26,256	
1.* Tuberculosis (A16-A19)	32	6	3	6	13	-	4	-	21	11	0.88
Respiratory tuberculosis (A16)	27	5	3	5	11	-	3	-	19	8	0.94
2.* Septicemia (A40-A41)	381	48	68	127	105	14	19	-	187	194	1.19
3.* Viral Hepatitis (B15-B19)	366	75	98	83	55	19	36	-	256	110	0.71
4.* Human Immunodeficiency Virus (HIV) Disease (B20-B24)	766	162	237	224	76	28	37	2	528	238	1.08
5. All Other Infective and Parasitic Diseases (Rest of A01-B99)	421	62	77	162	70	18	32	-	190	231	
6.* Malignant Neoplasms (C00-C97)	13,443	2,461	1,982	3,792	2,908	762	1,534	4	6,569	6,874	1.01
Lip, oral cavity, and pharynx (C00-C14)	210	42	38	60	40	8	22	-	147	63	0.96
Esophagus (C15)	270	61	45	64	56	11	33	-	199	71	0.99
Stomach (C16)	463	77	73	133	116	21	42	1	256	207	1.01
Colon, rectum, and anus (C18-C21)	1,374	228	200	421	322	86	117	-	671	703	1.00
Liver and intrahepatic bile ducts (C22)	635	130	116	169	121	32	67	-	413	222	0.96
Pancreas (C25)	1,018	167	146	295	231	66	113	-	482	536	1.00
Larynx (C32)	116	18	21	34	22	8	13	-	88	28	1.01
Trachea, bronchus, and lung (C33-C34)	2,878	521	419	797	637	223	279	2	1,538	1,340	0.98
Melanoma of skin (C43)	128	20	6	30	29	4	39	-	73	55	0.95
Mesothelioma (C45)	37	-	1	5	12	4	15	-	32	5	
Breast (C50)	1,097	214	158	335	218	60	112	-	7	1,090	1.01
Cervix uteri (C53)	153	25	23	46	44	5	10	-	-	153	1.00
Corpus uteri and uterus, part unspecified (C54-C55)	338	59	59	110	66	15	29	-	-	338	1.02
Ovary (C56)	381	74	39	95	96	25	52	-	-	381	0.99
Prostate (C61)	755	144	123	231	166	30	61	-	755	-	1.01
Kidney and renal pelvis (C64-C65)	228	34	38	61	44	19	32	-	146	82	1.00
Bladder (C67)	330	64	41	95	76	21	33	-	212	118	1.00
Meninges, brain, and other parts of central nervous system (C70-C72)	277	57	29	73	67	21	30	-	141	136	0.98
Lymphoid, hematopoietic and related tissues (C81-C96)	1,386	256	200	367	259	53	251	-	737	649	1.00
Hodgkin's disease (C81)	46	14	6	12	8	2	4	-	24	22	1.00
Non-Hodgkin's lymphoma (C82-C85)	484	93	65	130	86	23	87	-	254	230	0.98
Multiple myeloma and immunoproliferative neoplasms (C88, C90)	263	44	50	79	49	5	36	-	128	135	1.04
Leukemia (C91-C95)	586	104	78	144	115	21	124	-	328	258	1.01
7.* In Situ or Benign Neoplasms and Neoplasms of Uncertain or Unknown Behavior (D00-D48)	265	63	23	75	51	16	37	-	122	143	1.63
8.* Anemias (D50-D64)	82	15	12	32	15	2	6	-	43	39	0.94
9.* Diabetes Mellitus (E10-E14)	1,770	264	334	618	378	104	70	2	846	924	1.02
10.† Mental and Behavioral Disorders Due to Use of Alcohol (F10)	211	44	40	49	61	10	4	3	168	43	
11. Mental and Behavioral Disorders Due to Use of Psychoactive Substance Excluding Alcohol and Tobacco (F11-F16, F18-F19) ‡	158	45	68	23	5	8	8	1	115	43	
12. Diseases of Nervous System (G00-G98)	1,272	322	221	293	312	59	63	2	540	732	
* Meningitis (G00, G03)	24	3	7	8	4	2	5	-	19	5	1.01
* Parkinson's disease (G20-G21)	210	64	25	53	48	9	11	-	123	87	1.01
* Alzheimer's disease (G30)	626	172	117	119	163	26	27	2	186	440	1.58
13.* Major Cardiovascular Diseases (I00-I78)	20,044	3,441	3,078	6,149	4,957	1,385	1,013	21	9,155	10,889	1.00
Diseases of heart (I00-I09, I11, I13, I20-I51)	16,900	2,783	2,566	5,188	4,281	1,245	818	19	7,817	9,083	0.99
Acute rheumatic fever and chronic rheumatic heart diseases (I00-I09)	40	6	6	8	6	1	13	-	7	33	0.88
Hypertensive heart disease (I11)	1,667	334	340	549	284	84	71	5	809	858	0.80
Hypertensive heart and renal disease (I13)	107	26	29	29	17	5	1	-	54	53	1.13
Chronic ischemic heart disease (I20, I25)	11,205	1,711	1,607	3,387	3,193	810	486	11	5,152	6,053	1.01
Acute myocardial infarction (I21-I22)	2,384	365	375	788	468	283	104	1	1,119	1,265	0.99
Cardiomyopathy (I42)	145	23	25	45	24	8	20	-	93	52	

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Table M1. Deaths by Selected Underlying Cause, Borough of Residence, Sex, and ICD-10/ICD-9 Comparability Ratio, New York City, 2011 (Continued.)

Cause (Codes from International Classification of Diseases (ICD), Tenth Revision, 1999)	BOROUGH OF RESIDENCE										SEX		ICD-10/ICD-9 Comparability Ratio
	Total	Manhattan	Bronx	Brooklyn	Queens	Staten Island	Nonresidents	Residence Unknown	Male	Female	SEX		
											Male	Female	
Heart failure (I50)	373	97	53	120	84	7	12	—	147	226	1.04		
Essential hypertension and hypertensive renal disease (I10, I12, I15)	966	177	163	326	208	41	51	—	406	560	1.12		
Cerebrovascular diseases (I60-I69)	1,750	382	261	527	386	85	109	—	720	1,030	1.05		
Atherosclerosis (I70)	157	37	39	33	34	4	9	—	61	96	0.97		
Aortic aneurysm and dissection (I71)	159	31	32	44	25	7	19	1	100	59	1.00		
Influenza and Pneumonia (099-I18)	2,492	408	413	828	608	128	103	4	1,207	1,285	0.70		
H1N1 flu (J09)	5	—	—	3	1	1	—	—	5	—	0.96		
Chronic Lower Respiratory Diseases (J40-J47)	1,774	330	318	466	431	146	83	—	849	925	1.04		
Emphysema (J43)	134	28	21	36	29	11	9	—	63	71	0.96		
Asthma (J45-J46)	171	33	53	48	29	5	3	—	84	87	0.89		
Pneumoconiosis Due to Asbestos and Other Mineral Fibres (I61)	2	—	—	—	1	—	1	—	2	—	—		
17.* Pneumonitis Due to Solids and Liquids (J69)	37	8	6	12	7	2	2	—	18	19	1.10		
18.* Peptic Ulcer (K25-K28)	101	20	22	29	17	7	6	—	48	53	0.97		
19.* Chronic Liver Disease and Cirrhosis (K70, K73-K74)	550	86	110	155	130	32	36	1	381	169	1.03		
Alcoholic liver disease (K70)	365	62	66	99	90	23	24	1	281	84	1.00		
20.* Cholelithiasis and Other Disorders of Gallbladder (K80-K82)	56	7	7	21	16	2	3	—	21	35	0.96		
21.* Nephritis, Nephrotic Syndrome, and Nephrosis (N00-N07, N17-N19, N25-N27)	453	84	71	177	82	19	20	—	230	223	1.26		
Renal failure (N17-N19)	347	63	46	143	66	14	15	—	174	173	1.33		
22.* Pregnancy, Childbirth, and the Puerperium (O00-O99)	37	5	6	15	7	1	3	—	—	37	1.14		
Maternal causes (A34, O00-O99)	30	3	3	14	6	1	3	—	—	30	—		
23.* Certain Conditions Originating in the Perinatal Period (P00-P96)	311	42	54	91	77	12	30	5	159	152	1.08		
24.* Congenital Malformations, Deformations, and Chromosomal Abnormalities (Q00-Q99)	236	39	34	55	50	10	48	—	140	96	0.90		
25.* Symptoms, Signs, and Abnormal Findings, Not Elsewhere Classified (R00-R94, R96-R99)	445	182	51	95	69	21	27	—	160	285	0.98		
Pending final determination (R99)	0	—	—	—	—	—	—	—	—	—	—		
26. Sudden Infant Death Syndrome (R95)	5	—	2	3	—	—	—	—	3	2	1.06		
27. All Other Natural Causes (Rest of A00-R99)	4,152	819	740	1,164	916	184	326	3	1,648	2,504	—		
External Causes	2,927	488	531	812	644	180	243	29	2,077	850	—		
Injury by Firearms (W32-W34, X72-X74, X93-X95, Y22-Y24, Y35.0)	371	46	97	130	60	13	24	1	331	40	1.00		
28.† Accidents (V01-X59, Y85-Y86)	1,618	257	273	439	364	120	153	12	1,091	527	1.03		
Accidental poisoning by psychoactive substances, excluding alcohol and tobacco (X40-X42, X44) ‡	600	90	111	163	105	67	60	4	432	168	1.04		
† Mental and behavioral disorders due to use of or accidental poisoning by psychoactive substances excluding alcohol and tobacco (F11-F16, F18-F19, X40-X42, X44) ‡	758	135	179	186	110	75	68	5	547	211	—		
† Accidents except poisoning by psychoactive substance use	1,018	167	162	276	259	53	93	8	659	359	—		
Motor vehicle accidents †	283	40	42	84	59	14	42	2	196	87	0.95		
Accidental falls (W00-W19)	404	72	48	97	128	28	30	1	237	167	0.77		
29.* Intentional Self-Harm (Suicide) (U03, X60-X84, Y87.0)	509	116	80	116	129	22	41	5	381	128	1.00		
30.* Assault (Homicide) (U01-U02, X85-Y09, Y87.1)	528	69	139	188	85	15	30	2	429	99	1.00		
31.* Legal Intervention (Y35, Y89.0)	6	2	3	1	—	—	—	—	5	1	0.94		
32. Events of Undetermined Intent (Y10-Y34, Y87.2, Y89.9)	247	40	33	64	60	21	19	10	165	82	0.99		
33.* Complications of Medical and Surgical Care (Y40-Y84, Y88)	19	4	3	4	6	2	—	—	6	13	0.63		
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.

|| See Technical Notes: Deaths, Maternal Death and Maternal Mortality.

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

Table M2. Deaths and Death Rates per 1,000 Population* by Age, Ethnic Group, and Sex, New York City, 2011

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.	Rate	No.	Rate		
All Ages	52,789	6.4	25,683	6.5	27,106	6.3	9,391	4.0	4,885	4.2	4,506	3.7	25,549	9.3	12,090	9.1	13,459	9.5	13,910	7.4	6,549	7.7	7,361	7.1	3,341	3.1	1,814	3.5	1,527	2.7	598	3.45	253			
Age-Adjusted	6.2		7.6		5.2		5.4		6.8		4.3		6.3		7.5		5.3		7.6		9.5		6.4		3.9		4.8		3.2							
Under 5	659	1.2	352	1.3	307	1.2	165	0.9	85	0.9	80	0.9	159	1.1	83	1.1	76	1.0	236	2.0	124	2.1	112	1.9	59	1.0	38	1.2	21	0.7	40	2.2	18			
5-9	61	0.1	36	0.1	25	0.1	14	0.1	7	0.1	7	0.1	19	0.1	12	0.2	7	0.1	24	0.2	14	0.2	10	0.2	3	0.1	2	0.1	1	0.0	1	-	-			
10-14	59	0.1	36	0.2	23	0.1	15	0.1	9	0.1	6	0.1	14	0.1	8	0.1	6	0.1	27	0.2	17	0.3	10	0.2	2	0.0	1	0.0	1	0.0	1	-	-			
15-19	193	0.4	154	0.6	39	0.2	58	0.3	46	0.5	12	0.1	45	0.4	36	0.6	9	0.2	74	0.5	60	0.9	14	0.2	10	0.2	8	0.3	2	0.1	6	4	2			
20-24	387	0.6	278	0.9	109	0.3	111	0.5	89	0.8	22	0.2	98	0.5	63	0.7	35	0.3	158	1.0	116	1.6	42	0.5	13	0.2	6	0.2	7	0.2	7	4	3			
25-29	456	0.6	323	0.9	133	0.3	114	0.5	85	0.8	29	0.3	147	0.5	100	0.8	47	0.3	154	1.1	113	1.8	41	0.5	32	0.3	18	0.4	14	0.2	9	7	2			
30-34	533	0.8	345	1.0	188	0.5	151	0.8	111	1.1	40	0.4	152	0.6	95	0.8	57	0.5	179	1.4	110	1.9	69	1.0	42	0.4	22	0.5	20	0.4	9	7	2			
35-39	605	1.0	391	1.4	214	0.7	166	1.0	115	1.3	51	0.6	165	0.9	120	1.2	45	0.5	230	1.9	128	2.5	102	1.5	35	0.4	23	0.5	12	0.3	9	5	4			
40-44	1,039	1.8	610	2.2	429	1.5	278	1.7	183	2.2	95	1.1	276	1.5	174	1.9	102	1.2	425	3.2	214	3.7	211	2.8	49	0.6	33	0.8	16	0.4	11	6	5			
45-49	1,732	3.1	1,061	3.9	671	2.3	402	2.5	257	3.4	145	1.7	511	3.0	343	3.9	168	2.1	684	4.7	379	6.0	305	3.8	113	1.4	68	1.7	45	1.1	22	14	8			
50-54	2,461	4.5	1,482	5.8	979	3.4	608	4.3	385	6.0	223	2.9	813	4.6	502	5.6	311	3.5	858	6.1	480	7.8	378	4.8	153	1.9	96	2.5	57	1.4	29	19	10			
55-59	3,268	6.7	2,022	9.0	1,246	4.7	705	6.0	442	8.5	263	4.0	1,199	6.7	756	8.7	443	4.8	1,114	9.5	653	13.1	461	6.9	211	3.0	140	4.1	71	2.0	39	31	8			
60-64	3,997	9.2	2,378	12.2	1,619	6.8	786	8.2	482	11.6	304	5.6	1,603	9.1	971	11.7	632	6.7	1,285	13.0	727	17.7	558	9.6	269	4.8	158	5.9	111	3.8	54	40	14			
65-69	4,119	13.5	2,317	17.4	1,802	10.4	864	12.3	521	17.7	343	8.4	1,645	13.2	943	16.6	702	10.4	1,318	18.0	672	23.3	646	14.5	248	7.0	151	9.1	97	5.2	44	30	14			
70-74	4,648	19.5	2,571	25.6	2,077	15.0	906	17.2	519	24.5	387	12.3	2,000	19.8	1,148	25.6	852	15.2	1,384	25.1	691	33.2	693	20.2	302	11.0	176	13.7	126	8.5	56	37	19			
75-79	5,462	30.5	2,800	38.5	2,662	25.0	992	26.3	518	36.8	474	20.0	2,523	31.0	1,304	37.0	1,219	26.4	1,479	38.0	694	50.2	785	31.2	400	20.3	242	26.9	158	14.8	68	42	26			
80-84	6,920	48.9	3,106	59.1	3,814	42.8	1,112	43.6	438	49.6	674	40.4	3,800	50.7	1,813	61.3	1,987	43.8	1,453	53.3	580	68.1	873	46.5	503	39.3	254	48.1	249	33.1	52	21	31			
≥85	16,190	110.7	5,421	119.8	10,769	106.6	1,944	90.7	593	96.2	1,351	88.5	10,380	120.0	3,619	129.9	6,761	115.2	2,828	106.3	777	112.7	2,051	104.1	897	84.4	378	94.5	519	78.4	141	54	87			
Mean age at death	72.4		68.5		76.2		67.7		63.3		72.5		77.1		73.4		80.4		67.5		63.3		71.3		71.8		69.5		74.6		65.1		61.9		69.5	
Median age at death	77		72		81		71		66		77		82		77		85		70		66		75		76		74		80		71		67		77	

* Population data are from US Census Bureau estimates for July 1, 2011.

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Table M3. Deaths by Ancestry* and Borough of Residence, New York City, 2011

Ancestry	Total	Borough of Residence					Nonresidents	Residence Unknown
		Manhattan	Bronx	Brooklyn	Queens	Staten Island		
Total	52,789	9,526	8,606	15,556	12,061	3,169	3,794	77
Hispanic								
Colombian	289	34	26	24	186	5	14	–
Cuban	395	139	78	56	93	9	20	–
Dominican	1,692	633	546	225	225	8	54	1
Ecuadorian	365	51	68	59	152	10	25	–
Mexican	307	43	53	83	98	15	15	–
Puerto Rican	5,240	1,055	2,155	1,226	456	191	154	3
Other Hispanic	1,103	153	210	350	288	23	70	9
Non-Hispanic American and Caribbean								
African American	10,188	2,017	2,374	3,411	1,746	205	421	14
American	10,655	2,863	1,041	2,116	2,512	672	1,446	5
Guyanese	722	17	74	285	316	3	26	1
Haitian	684	43	15	425	170	3	28	–
Jamaican	888	34	229	414	159	7	45	–
Trinidadian	169	3	11	104	39	3	9	–
Other Non-Hispanic American and Caribbean	992	80	112	575	165	9	51	–
European								
English	206	62	12	29	41	30	32	–
German	812	156	97	83	323	98	55	–
Irish	1,720	153	204	318	520	291	233	1
Italian	4,617	212	489	1,451	1,077	997	391	–
Polish	837	102	57	278	275	68	57	–
Russian	1,000	61	48	647	197	34	13	–
Other European	2,478	297	171	894	838	137	140	1
Asian								
Asian Indian	279	16	20	26	165	7	45	–
Bangladeshi	135	4	22	23	82	–	4	–
Chinese	1,895	577	29	577	620	40	52	–
Filipino	197	26	8	26	100	16	21	–
Korean	299	26	13	16	206	11	26	1
Pakistani	118	9	3	42	50	4	9	1
Other Asian	484	82	28	100	179	31	64	–
Other								
Jewish or Hebrew	1,667	178	100	1,008	220	38	123	–
Other or Not Stated	2,356	400	313	685	563	204	151	40

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

Table M4. Deaths by Place of Death*, New York City, 2007-2011

Place of Death	2007		2008		2009		2010		2011	
	Deaths	%	Deaths	%	Deaths	%	Deaths	%	Deaths	%
Total	54,073	100.0	54,193	100.0	52,881	100.0	52,575	100.0	52,789	100.0
Home	10,213	18.9	10,456	19.3	10,773	20.4	11,152	21.2	11,215	21.2
Hospital										
Voluntary	29,859	55.2	29,575	54.6	27,976	52.9	26,644	50.7	26,420	50.0
Proprietary	597	1.1	574	1.1	289	0.5	273	0.5	259	0.5
Municipal	4,737	8.8	4,621	8.5	4,671	8.8	4,560	8.7	4,605	8.7
Other Government	606	1.1	586	1.1	489	0.9	475	0.9	450	0.9
Nursing Home	6,370	11.8	6,479	12.0	6,421	12.1	5,822	11.1	8,072	15.3
Other Specified Place	1,691	3.1	1,902	3.5	2,262	4.3	3,649	6.9	1,768	3.3

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

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Table M5. Deaths by Birthplace and Borough of Residence, New York City, 2011

Birthplace	Total	Borough of Residence					Nonresidents	Residence Unknown
		Manhattan	Bronx	Brooklyn	Queens	Staten Island		
Total	52,789	9,526	8,606	15,556	12,061	3,169	3,794	77
United States & Territories	30,398	5,879	4,697	8,080	6,485	2,529	2,695	33
Puerto Rico	3,926	813	1,607	963	339	98	105	1
China	1,706	527	26	527	552	35	39	–
Dominican Republic	1,601	602	518	216	211	8	45	1
Italy	1,120	39	144	387	333	133	84	–
Jamaica	1,108	49	294	466	231	8	60	–
Ukraine	1,080	32	21	843	150	27	7	–
Guyana	780	22	83	312	330	4	28	1
Poland	724	93	62	319	180	22	48	–
Haiti	698	46	19	425	179	2	27	–
Trinidad and Tobago	522	36	50	283	117	8	28	–
Russia	509	52	37	264	124	15	17	–
Germany	396	126	52	52	127	16	23	–
Cuba	394	132	81	59	96	7	19	–
Ecuador	351	50	67	58	143	11	22	–
Greece	293	20	20	71	156	10	16	–
Colombia	278	34	25	23	176	6	14	–
Ireland	273	36	65	33	96	11	32	–
Mexico	267	38	47	77	82	12	11	–
India	257	15	16	18	152	8	48	–
Romania	248	28	11	94	96	3	16	–
Hungary	237	44	19	103	58	4	9	–
Barbados	228	15	23	153	28	2	7	–
Philippines	221	28	9	35	108	16	25	–
Panama	214	17	27	131	29	4	6	–
Other or Not Stated	4,960	753	586	1,564	1,483	170	363	41

Table M6. Deaths by Birthplace and Age, New York City, 2011

Birthplace	Total	Age in Years								
		<15	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Total	52,789	779	580	989	1,644	4,193	7,265	8,767	12,382	16,190
United States & Territories	30,398	757	436	663	1,037	2,669	4,243	4,777	6,676	9,140
Puerto Rico	3,926	3	4	13	62	224	612	956	1,068	984
China	1,706	–	3	23	27	76	164	218	543	652
Dominican Republic	1,601	3	24	37	59	165	271	314	389	339
Italy	1,120	–	–	2	5	21	66	130	336	560
Jamaica	1,108	1	5	19	47	92	191	219	266	268
Ukraine	1,080	–	8	7	9	22	91	131	314	498
Guyana	780	–	9	18	35	77	144	149	198	150
Poland	724	–	1	8	10	44	78	48	100	435
Haiti	698	–	3	12	23	68	96	150	184	162
Trinidad and Tobago	522	–	3	10	22	46	104	129	105	103
Russia	509	–	1	5	10	20	45	92	128	208
Germany	396	–	1	–	1	9	36	37	79	233
Cuba	394	–	–	–	1	13	34	48	137	161
Ecuador	351	1	7	11	21	29	41	70	95	76
Greece	293	1	–	–	3	12	29	55	102	91
Colombia	278	–	1	3	6	27	37	49	77	78
Ireland	273	–	–	2	3	8	12	48	94	106
Mexico	267	1	19	39	60	47	39	28	18	16
India	257	–	2	3	10	29	50	58	73	32
Romania	248	–	–	1	1	3	20	28	56	139
Hungary	237	–	–	–	1	5	12	18	53	148
Barbados	228	1	–	2	7	16	29	40	65	68
Philippines	221	–	1	4	6	25	33	55	60	37
Panama	214	–	–	2	2	16	27	53	47	67
Other or Not Stated	4,960	11	52	105	176	430	761	867	1,119	1,439

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Table M7. Leading Causes of Death in Specified Age Groups, Overall and by Sex, New York City, 2011

Rank	ALL AGES	All		Male		Female	
		Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Heart Disease	16,900	32.0	7,817	30.4	9,083	33.5
2	Malignant Neoplasms	13,443	25.5	6,569	25.6	6,874	25.4
3	Influenza and Pneumonia	2,492	4.7	1,207	4.7	1,285	4.7
4	Chronic Lower Respiratory Diseases	1,774	3.4	849	3.3	925	3.4
5	Diabetes Mellitus	1,770	3.4	846	3.3	924	3.4
6	Cerebrovascular Diseases	1,750	3.3	720	2.8	1,030	3.8
7	Accidents Except Poisoning by Psychoactive Substance	1,018	1.9	659	2.6	359	1.3
8	Essential Hypertension and Hypertensive Renal Disease	966	1.8	406	1.6	560	2.1
9	Human Immunodeficiency Virus (HIV) Disease	766	1.5	528	2.1	238	0.9
10	Use of or Poisoning by Psychoactive Substance	758	1.4	547	2.1	211	0.8
	All Other Causes	11,152	21.1	5,535	21.6	5,617	20.7
	Total	52,789	100.0	25,683	100.0	27,106	100.0
Rank	< 1 YEAR	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Congenital Malformations, Deformations	116	20.1	60	19.4	56	21.0
2	Short Gestation and Low Birthweight	114	19.8	55	17.7	59	22.1
3	Cardiovascular Disorders Originating in the Perinatal Period	70	12.1	33	10.6	37	13.9
4	External Causes	62	10.7	39	12.6	23	8.6
5	Respiratory Distress of Newborn	17	2.9	9	2.9	8	3.0
6	Bacterial Sepsis of Newborn	13	2.3	7	2.3	6	2.2
7	Newborn Affected by Complications of Pregnancy	12	2.1	7	2.3	5	1.9
7	Other Respiratory Conditions Originating in the Perinatal Period	12	2.1	8	2.6	4	1.5
9	Newborn Affected by Complications of Placenta	11	1.9	8	2.6	3	1.1
9	Heart Disease	11	1.9	7	2.3	4	1.5
	All Other Causes	139	24.1	77	24.8	62	23.2
	Total	577	100.0	310	100.0	267	100.0
Rank	1 - 14 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	54	26.7	29	25.4	25	28.4
2	Congenital Malformations, Deformations	27	13.4	17	14.9	10	11.4
3	Accidents Except Poisoning by Psychoactive Substance	19	9.4	11	9.6	8	9.1
4	Assault (Homicide)	11	5.4	7	6.1	4	4.5
4	Chronic Lower Respiratory Diseases	11	5.4	9	7.9	2	2.3
6	Influenza and Pneumonia	8	4.0	4	3.5	4	4.5
7	Heart Disease	5	2.5	2	1.8	3	3.4
	All Other Causes	67	33.2	35	30.7	32	36.4
	Total	202	100.0	114	100.0	88	100.0
Rank	15 - 24 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Assault (Homicide)	162	27.9	140	32.4	22	14.9
2	Accidents Except Poisoning by Psychoactive Substance	71	12.2	61	14.1	10	6.8
3	Intentional Self-harm (Suicide)	64	11.0	48	11.1	16	10.8
4	Malignant Neoplasms	55	9.5	33	7.6	22	14.9
5	Use of or Poisoning by Psychoactive Substance	38	6.6	27	6.3	11	7.4
6	Heart Disease	22	3.8	17	3.9	5	3.4
7	Congenital Malformations, Deformations	21	3.6	14	3.2	7	4.7
8	Human Immunodeficiency Virus (HIV) Disease	16	2.8	13	3.0	3	2.0
9	Anemias	11	1.9	10	2.3	1	0.7
10	Chronic Lower Respiratory Diseases	9	1.6	7	1.6	2	1.4
	All Other Causes	111	19.1	62	14.4	49	33.1
	Total	580	100.0	432	100.0	148	100.0
Rank	25 - 34 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Assault (Homicide)	135	13.7	117	17.5	18	5.6
2	Malignant Neoplasms	133	13.4	65	9.7	68	21.2
3	Use of or Poisoning by Psychoactive Substance	130	13.1	98	14.7	32	10.0
4	Intentional Self-harm (Suicide)	96	9.7	67	10.0	29	9.0
5	Accidents Except Poisoning by Psychoactive Substance	93	9.4	73	10.9	20	6.2
6	Heart Disease	65	6.6	43	6.4	22	6.9
7	Human Immunodeficiency Virus (HIV) Disease	40	4.0	29	4.3	11	3.4
8	Pregnancy, Childbirth, and the Puerperium	22	2.2	-	-	22	6.9
9	Diabetes Mellitus	17	1.7	11	1.6	6	1.9
10	Cerebrovascular Disease	16	1.6	10	1.5	6	1.9
	All Other Causes	242	24.5	155	23.2	87	27.1
	Total	989	100.0	668	100.0	321	100.0

Continued on next page.

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**Table M7. Leading Causes of Death in Specified Age Groups, Overall and by Sex,
New York City, 2011 (Continued)**

Rank	35 - 44 YEARS	All		Male		Female	
		Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	369	22.4	154	15.4	215	33.4
2	Heart Disease	195	11.9	140	14.0	55	8.6
3	Use of or Poisoning by Psychoactive Substance	158	9.6	109	10.9	49	7.6
4	Human Immunodeficiency Virus (HIV) Disease	125	7.6	77	7.7	48	7.5
5	Accidents Except Poisoning by Psychoactive Substance	103	6.3	80	8.0	23	3.6
6	Assault (Homicide)	81	4.9	69	6.9	12	1.9
7	Intentional Self-harm (Suicide)	77	4.7	63	6.3	14	2.2
8	Chronic Liver Disease and Cirrhosis	45	2.7	32	3.2	13	2.0
9	Diabetes Mellitus	41	2.5	25	2.5	16	2.5
10	Mental Disorders due to Use of Alcohol	35	2.1	30	3.0	5	0.8
10	Cerebrovascular Diseases	35	2.1	21	2.1	14	2.2
	All Other Causes	380	23.1	201	20.1	179	27.8
	Total	1,644	100.0	1,001	100.0	643	100.0
Rank	45 - 54 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	1,198	28.6	548	21.5	650	39.4
2	Heart Disease	780	18.6	554	21.8	226	13.7
3	Human Immunodeficiency Virus (HIV) Disease	287	6.8	183	7.2	104	6.3
4	Use of or Poisoning by Psychoactive Substance	252	6.0	182	7.2	70	4.2
5	Diabetes Mellitus	165	3.9	105	4.1	60	3.6
6	Accidents Except Poisoning by Psychoactive Substance	135	3.2	107	4.2	28	1.7
7	Chronic Liver Disease and Cirrhosis	132	3.1	96	3.8	36	2.2
8	Intentional Self-harm (Suicide)	117	2.8	93	3.7	24	1.5
9	Cerebrovascular Diseases	114	2.7	61	2.4	53	3.2
10	Influenza and Pneumonia	93	2.2	57	2.2	36	2.2
	All Other Causes	920	21.9	557	21.9	363	22.0
	Total	4,193	100.0	2,543	100.0	1,650	100.0
Rank	55 - 64 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	2,676	36.8	1,395	31.7	1,281	44.7
2	Heart Disease	1,746	24.0	1,168	26.5	578	20.2
3	Diabetes Mellitus	301	4.1	162	3.7	139	4.9
4	Human Immunodeficiency Virus (HIV) Disease	213	2.9	159	3.6	54	1.9
5	Cerebrovascular Diseases	209	2.9	127	2.9	82	2.9
6	Viral Hepatitis	186	2.6	141	3.2	45	1.6
7	Chronic Lower Respiratory Diseases	185	2.5	114	2.6	71	2.5
8	Influenza and Pneumonia	175	2.4	110	2.5	65	2.3
9	Chronic Liver Disease and Cirrhosis	166	2.3	128	2.9	38	1.3
9	Use of or Poisoning by Psychoactive Substance	166	2.3	120	2.7	46	1.6
	All Other Causes	1,242	17.1	776	17.6	466	16.3
	Total	7,265	100.0	4,400	100.0	2,865	100.0
Rank	65 - 74 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	3,221	36.7	1,694	34.7	1,527	39.4
2	Heart Disease	2,532	28.9	1,518	31.1	1,014	26.1
3	Diabetes Mellitus	388	4.4	214	4.4	174	4.5
4	Influenza and Pneumonia	308	3.5	188	3.8	120	3.1
5	Cerebrovascular Diseases	297	3.4	159	3.3	138	3.6
6	Chronic Lower Respiratory Diseases	291	3.3	152	3.1	139	3.6
7	Essential Hypertension and Hypertensive Renal Disease	164	1.9	93	1.9	71	1.8
8	Accidents Except Poisoning by Psychoactive Substance	120	1.4	70	1.4	50	1.3
9	Chronic Liver Disease and Cirrhosis	109	1.2	70	1.4	39	1.0
10	Septicemia	78	0.9	44	0.9	34	0.9
	All Other Causes	1,259	14.4	686	14.0	573	14.8
	Total	8,767	100.0	4,888	100.0	3,879	100.0
Rank	75 - 84 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Heart Disease	4,331	35.0	2,056	34.8	2,275	35.1
2	Malignant Neoplasms	3,438	27.8	1,731	29.3	1,707	26.4
3	Influenza and Pneumonia	672	5.4	343	5.8	329	5.1
4	Chronic Lower Respiratory Diseases	554	4.5	273	4.6	281	4.3
5	Cerebrovascular Disease	474	3.8	191	3.2	283	4.4
6	Diabetes Mellitus	458	3.7	190	3.2	268	4.1
7	Essential Hypertension and Hypertensive Renal Disease	222	1.8	94	1.6	128	2.0
8	Alzheimer's Disease	159	1.3	63	1.1	96	1.5
9	Accidents Except Poisoning by Psychoactive Substance	152	1.2	84	1.4	68	1.1
10	Nephritis, Nephrotic Syndrome, and Nephrosis	126	1.0	67	1.1	59	0.9
	All Other Causes	1,796	14.5	814	13.8	982	15.2
	Total	12,382	100.0	5,906	100.0	6,476	100.0
Rank	≥ 85 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Heart Disease	7,213	44.6	2,312	42.6	4,901	45.5
2	Malignant Neoplasms	2,297	14.2	918	16.9	1,379	12.8
3	Influenza and Pneumonia	1,183	7.3	475	8.8	708	6.6
4	Cerebrovascular Diseases	599	3.7	146	2.7	453	4.2
5	Chronic Lower Respiratory Diseases	595	3.7	228	4.2	367	3.4
6	Alzheimer's Disease	433	2.7	108	2.0	325	3.0
7	Diabetes Mellitus	394	2.4	134	2.5	260	2.4
8	Essential Hypertension and Hypertensive Renal Disease	386	2.4	99	1.8	287	2.7
9	Accidents Except Poisoning by Psychoactive Substance	185	1.1	73	1.3	112	1.0
10	Nephritis, Nephrotic Syndrome, and Nephrosis	160	1.0	75	1.4	85	0.8
	All Other Causes	2,745	17.0	853	15.7	1,892	17.6
	Total	16,190	100.0	5,421	100.0	10,769	100.0

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Table M8. Leading Causes of Death in Specified Racial/Ethnic Groups* by Sex, New York City, 2011

Rank	Puerto Rican	All		Male		Female	
		Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Diseases of Heart	1,445	27.6	668	24.7	777	30.7
2	Malignant Neoplasms	1,143	21.8	599	22.1	544	21.5
3	Diabetes Mellitus	250	4.8	130	4.8	120	4.7
4	Influenza and Pneumonia	237	4.5	116	4.3	121	4.8
5	Chronic Lower Respiratory Diseases	191	3.6	85	3.1	106	4.2
6	Human Immunodeficiency Virus (HIV) Disease	186	3.5	123	4.5	63	2.5
7	Cerebrovascular Diseases	162	3.1	63	2.3	99	3.9
8	Use of or Poisoning by Psychoactive Substance	145	2.8	100	3.7	45	1.8
9	Chronic Liver Disease and Cirrhosis	124	2.4	98	3.6	26	1.0
10	Viral Hepatitis	112	2.1	90	3.3	22	0.9
	All Other Causes	1,245	23.8	636	23.5	609	24.1
	Total	5,240	100.0	2,708	100.0	2,532	100.0
Rank	Other Hispanic	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Diseases of Heart	1,104	26.6	533	24.5	571	28.9
2	Malignant Neoplasms	1,086	26.2	545	25.0	541	27.4
3	Influenza and Pneumonia	190	4.6	93	4.3	97	4.9
4	Cerebrovascular Diseases	164	4.0	84	3.9	80	4.1
5	Diabetes Mellitus	146	3.5	70	3.2	76	3.9
6	Accidents Except Poisoning by Psychoactive Substance	142	3.4	109	5.0	33	1.7
7	Chronic Lower Respiratory Diseases	89	2.1	39	1.8	50	2.5
8	Chronic Liver Disease and Cirrhosis	82	2.0	69	3.2	13	0.7
9	Assault (Homicide)	71	1.7	62	2.8	9	0.5
10	Intentional Self-harm (Suicide)	65	1.6	53	2.4	12	0.6
	All Other Causes	1,012	24.4	520	23.9	492	24.9
	Total	4,151	100.0	2,177	100.0	1,974	100.0
Rank	Asian and Pacific Islander	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	1,004	30.1	550	30.3	454	29.7
2	Diseases of Heart	854	25.6	452	24.9	402	26.3
3	Influenza and Pneumonia	178	5.3	94	5.2	84	5.5
4	Cerebrovascular Diseases	177	5.3	79	4.4	98	6.4
5	Diabetes Mellitus	111	3.3	60	3.3	51	3.3
6	Accidents Except Poisoning by Psychoactive Substance	105	3.1	61	3.4	44	2.9
7	Chronic Lower Respiratory Diseases	103	3.1	73	4.0	30	2.0
8	Essential Hypertension and Hypertensive Renal Disease	83	2.5	37	2.0	46	3.0
9	Intentional Self-harm (Suicide)	73	2.2	50	2.8	23	1.5
10	Alzheimer's Disease	42	1.3	18	1.0	24	1.6
	All Other Causes	611	18.3	340	18.7	271	17.7
	Total	3,341	100.0	1,814	100.0	1,527	100.0
Rank	Non-Hispanic White	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Diseases of Heart	9,236	36.2	4,220	34.9	5,016	37.3
2	Malignant Neoplasms	6,595	25.8	3,222	26.7	3,373	25.1
3	Influenza and Pneumonia	1,342	5.3	646	5.3	696	5.2
4	Chronic Lower Respiratory Diseases	954	3.7	444	3.7	510	3.8
5	Cerebrovascular Diseases	756	3.0	290	2.4	466	3.5
6	Diabetes Mellitus	511	2.0	258	2.1	253	1.9
7	Accidents Except Poisoning by Psychoactive Substance	456	1.8	272	2.2	184	1.4
8	Use of or Poisoning by Psychoactive Substance	342	1.3	254	2.1	88	0.7
9	Essential Hypertension and Hypertensive Renal Disease	341	1.3	142	1.2	199	1.5
10	Alzheimer's Disease	320	1.3	89	0.7	231	1.7
	All Other Causes	4,696	18.4	2,253	18.6	2,443	18.2
	Total	25,549	100.0	12,090	100.0	13,459	100.0
Rank	Non-Hispanic Black	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Diseases of Heart	4,083	29.4	1,840	28.1	2,243	30.5
2	Malignant Neoplasms	3,508	25.2	1,590	24.3	1,918	26.1
3	Diabetes Mellitus	717	5.2	307	4.7	410	5.6
4	Influenza and Pneumonia	516	3.7	243	3.7	273	3.7
5	Cerebrovascular Diseases	481	3.5	200	3.1	281	3.8
6	Chronic Lower Respiratory Diseases	421	3.0	200	3.1	221	3.0
6	Human Immunodeficiency Virus (HIV) Disease	421	3.0	277	4.2	144	2.0
8	Essential Hypertension and Hypertensive Renal Disease	379	2.7	154	2.4	225	3.1
9	Assault (Homicide)	318	2.3	266	4.1	52	0.7
10	Accidents Except Poisoning by Psychoactive Substance	209	1.5	133	2.0	76	1.0
	All Other Causes	2,857	20.5	1,339	20.4	1,518	20.6
	Total	13,910	100.0	6,549	100.0	7,361	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.

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Table M9. Leading Causes of Premature Death (Age < 65), Overall and by Sex, New York City, 2011

Rank	Cause of Death	All		Male		Female	
		Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	4,487	29.0	2,226	23.5	2,261	37.8
	Trachea, bronchus, and lung	866	5.6	481	5.1	385	6.4
	Breast	477	3.1	1	0.0	476	8.0
	Colon, rectum, and anus	410	2.7	225	2.4	185	3.1
	Pancreas	282	1.8	156	1.6	126	2.1
	Liver and intrahepatic bile ducts	269	1.7	214	2.3	55	0.9
2	Diseases of Heart	2,824	18.3	1,931	20.4	893	14.9
3	Use of or Poisoning by Psychoactive Substance	746	4.8	538	5.7	208	3.5
4	Human Immunodeficiency Virus (HIV) Disease	681	4.4	461	4.9	220	3.7
5	Accidents Except Poisoning by Psychoactive Substance	561	3.6	432	4.6	129	2.2
6	Diabetes Mellitus	530	3.4	308	3.3	222	3.7
7	Assault (Homicide)	500	3.2	412	4.4	88	1.5
8	Intentional Self-harm (Suicide)	422	2.7	326	3.4	96	1.6
9	Cerebrovascular Diseases	380	2.5	224	2.4	156	2.6
10	Chronic Liver Disease and Cirrhosis	354	2.3	264	2.8	90	1.5
	All Other Causes	3,965	25.7	2,346	24.8	1,619	27.1
	Total	15,450	100.0	9,468	100.0	5,982	100.0

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

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Table M10. Leading Causes of Premature Death (Age < 65) in Specified Ethnic Groups* by Sex, New York City, 2011

Rank	Puerto Rican	All		Male		Female	
		Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	441	21.9	236	18.7	205	27.2
2	Diseases of Heart	327	16.2	206	16.3	121	16.0
3	Human Immunodeficiency Virus (HIV) Disease	163	8.1	105	8.3	58	7.7
4	Use of or Poisoning by Psychoactive Substance	141	7.0	98	7.8	43	5.7
5	Viral Hepatitis	97	4.8	80	6.3	17	2.3
6	Chronic Liver Disease and Cirrhosis	81	4.0	68	5.4	13	1.7
7	Diabetes Mellitus	76	3.8	42	3.3	34	4.5
8	Assault (Homicide)	61	3.0	51	4.0	10	1.3
9	Accidents Except Poisoning by Psychoactive Substance	58	2.9	51	4.0	7	0.9
10	Chronic Lower Respiratory Diseases	51	2.5	22	1.7	29	3.8
	All Other Causes	520	25.8	302	23.9	218	28.9
	Total	2,016	100.0	1,261	100.0	755	100.0
Rank	Other Hispanic	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	435	27.9	221	21.4	214	41.0
2	Diseases of Heart	233	15.0	170	16.4	63	12.1
3	Accidents Except Poisoning by Psychoactive Substance	105	6.7	85	8.2	20	3.8
4	Assault (Homicide)	68	4.4	59	5.7	9	1.7
5	Intentional Self-harm (Suicide)	56	3.6	46	4.4	10	1.9
5	Use of or Poisoning by Psychoactive Substance	56	3.6	45	4.3	11	2.1
7	Chronic Liver Disease and Cirrhosis	54	3.5	51	4.9	3	0.6
8	Cerebrovascular Diseases	48	3.1	34	3.3	14	2.7
9	Diabetes Mellitus	41	2.6	22	2.1	19	3.6
10	Human Immunodeficiency Virus (HIV) Disease	40	2.6	34	3.3	6	1.1
	All Other Causes	421	27.0	268	25.9	153	29.3
	Total	1,557	100.0	1,035	100.0	522	100.0
Rank	Asian and Pacific Islander	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	372	37.5	192	31.3	180	47.6
2	Diseases of Heart	175	17.7	125	20.4	50	13.2
3	Intentional Self-harm (Suicide)	54	5.4	39	6.4	15	4.0
4	Cerebrovascular Diseases	48	4.8	32	5.2	16	4.2
5	Accidents Except Poisoning by Psychoactive Substance	40	4.0	27	4.4	13	3.4
6	Diabetes Mellitus	30	3.0	22	3.6	8	2.1
7	Influenza and Pneumonia	22	2.2	9	1.5	13	3.4
8	Congenital Malformations, Deformations	18	1.8	12	2.0	6	1.6
9	Chronic Liver Disease and Cirrhosis	17	1.7	13	2.1	4	1.1
10	Viral Hepatitis	15	1.5	13	2.1	2	0.5
	All Other Causes	200	20.2	129	21.0	71	18.8
	Total	991	100.0	613	100.0	378	100.0
Rank	Non-Hispanic White	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	1,807	34.7	943	28.9	864	44.6
2	Diseases of Heart	983	18.9	720	22.1	263	13.6
3	Use of or Poisoning by Psychoactive Substance	339	6.5	252	7.7	87	4.5
4	Accidents Except Poisoning by Psychoactive Substance	197	3.8	151	4.6	46	2.4
5	Intentional Self-harm (Suicide)	191	3.7	145	4.4	46	2.4
6	Diabetes Mellitus	134	2.6	89	2.7	45	2.3
7	Chronic Liver Disease and Cirrhosis	126	2.4	80	2.5	46	2.4
8	Influenza and Pneumonia	116	2.2	72	2.2	44	2.3
9	Chronic Lower Respiratory Diseases	111	2.1	75	2.3	36	1.9
10	Human Immunodeficiency Virus (HIV) Disease	86	1.7	67	2.1	19	1.0
	All Other Causes	1,111	21.4	669	20.5	442	22.8
	Total	5,201	100.0	3,263	100.0	1,938	100.0
Rank	Non-Hispanic Black	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	1,385	25.4	609	19.4	776	33.5
2	Diseases of Heart	1,071	19.7	682	21.8	389	16.8
3	Human Immunodeficiency Virus (HIV) Disease	375	6.9	243	7.8	132	5.7
4	Assault (Homicide)	309	5.7	261	8.3	48	2.1
5	Diabetes Mellitus	239	4.4	124	4.0	115	5.0
6	Use of or Poisoning by Psychoactive Substance	195	3.6	130	4.1	65	2.8
7	Cerebrovascular Diseases	172	3.2	94	3.0	78	3.4
8	Accidents Except Poisoning by Psychoactive Substance	148	2.7	107	3.4	41	1.8
9	Chronic Lower Respiratory Diseases	143	2.6	78	2.5	65	2.8
10	Essential Hypertension and Renal Diseases	116	2.1	67	2.1	49	2.1
	All Other Causes	1,295	23.8	740	23.6	555	24.0
	Total	5,448	100.0	3,135	100.0	2,313	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.

MORTALITY

Table M11. Deaths and Death Rates per 100,000 Population from Selected Underlying Causes, Overall and by Ethnic Group* and Sex, New York City, 2011

Cause of Death	Ethnic Group*										Sex											
	Total		Hispanic		Non-Hispanic White		Non-Hispanic Black		Asian and Pacific Islander		Other or Unknown		Male		Female							
	No.	Crude Rate	No.	Age-Adj. Rate	No.	Crude Rate	No.	Age-Adj. Rate	No.	Crude Rate	No.	Age-Adj. Rate	No.	Crude Rate	No.	Age-Adj. Rate						
All Causes†	52,789	6.4	6.1	9,391	4.0	5.2	25,549	9.3	6.5	13,910	7.4	7.5	3,341	3.1	3.8	598	25,683	6.5	7.4	27,106	6.3	5.2
Natural Causes	49,862	604.8	582.2	8,722	367.5	493.3	24,363	886.0	610.6	13,109	693.4	703.6	3,122	287.2	357.8	546	23,606	601.4	691.9	26,256	607.8	501.6
Human Immunodeficiency Virus (HIV) Disease	766	9.3	8.7	232	9.8	10.4	94	3.4	3.0	421	22.3	20.7	4	0.4	0.4	15	528	13.5	13.0	238	5.5	5.0
Malignant Neoplasms	13,443	163.0	159.3	2,229	93.9	121.6	6,595	239.8	180.9	3,508	185.5	185.4	1,004	92.3	106.7	107	6,569	167.3	189.8	6,874	159.1	139.1
Malignant neoplasms of stomach	463	5.6	5.5	100	4.2	5.4	158	5.7	4.3	127	6.7	6.9	74	6.8	7.6	4	256	6.5	7.4	207	4.8	4.1
Malignant neoplasms of colon, rectum, and anus	1,374	16.7	16.2	281	11.8	15.6	624	22.7	16.4	350	18.5	18.7	107	9.8	11.6	12	671	17.1	19.4	703	16.3	13.9
Malignant neoplasms of pancreas	1,018	12.3	12.2	147	6.2	8.1	540	19.6	14.8	257	13.6	13.7	70	6.4	7.7	4	482	12.3	13.9	536	12.4	10.8
Malignant neoplasms of trachea, bronchus, and lung (male)	1,538	39.2	44.5	223	19.4	30.9	778	58.3	50.0	379	44.6	52.1	144	27.5	34.0	14	1,538	39.2	44.5	-	-	-
Malignant neoplasms of trachea, bronchus, and lung (female)	1,340	31.0	27.1	153	12.5	14.0	754	53.2	36.2	350	33.6	29.8	80	14.2	16.0	3	-	-	-	1,340	31.0	27.1
Malignant neoplasm of breast (female)	1,090	25.2	22.2	178	14.6	15.9	493	34.8	24.3	349	33.5	29.8	64	11.3	11.3	6	-	-	-	1,090	25.2	22.2
Malignant neoplasm of cervix uteri	153	3.5	3.2	33	2.7	2.9	42	3.0	2.4	65	6.2	5.6	12	2.1	2.2	2	-	-	-	153	3.5	3.2
Malignant neoplasm of ovary	381	8.8	7.7	50	4.1	4.7	221	15.6	10.9	80	7.7	6.9	28	5.0	4.7	2	-	-	-	381	8.8	7.7
Malignant neoplasm of prostate	755	19.2	23.5	133	11.5	22.3	316	23.7	19.6	261	30.7	43.2	36	6.9	11.7	9	755	19.2	23.5	-	-	-
Leukemia	586	7.1	7.0	96	4.0	5.1	342	12.4	9.4	108	5.7	5.7	31	2.9	3.3	9	328	8.4	9.4	258	6.0	5.3
Diabetes Mellitus	1,770	21.5	20.9	396	16.7	22.6	511	18.6	13.6	717	37.9	38.5	111	10.2	12.5	35	846	21.6	24.3	924	21.4	18.3
Parkinson's Disease	210	2.5	2.4	37	1.6	2.3	132	4.8	3.0	24	1.3	1.4	16	1.5	2.0	1	123	3.1	3.9	87	2.0	1.6
Alzheimer's Disease	626	7.6	7.1	128	5.4	8.7	320	11.6	6.6	129	6.8	7.5	42	3.9	5.7	7	186	4.7	6.1	440	10.2	7.5
Diseases of Heart	16,900	205.0	195.5	2,549	107.4	152.1	9,236	335.9	216.4	4,083	216.0	222.4	854	78.6	101.4	178	7,817	199.1	235.1	9,083	210.3	165.7
Hypertensive heart disease	1,667	20.2	19.2	292	12.3	16.5	640	23.3	15.7	633	33.5	33.2	86	7.9	10.2	16	809	20.6	22.8	858	19.9	16.1
Chronic ischemic heart diseases	11,205	135.9	129.6	1,598	67.3	96.9	6,466	235.1	150.0	2,466	130.4	135.6	556	51.1	66.8	119	5,152	131.2	156.9	6,053	140.1	109.5
Acute myocardial infarction	2,384	28.9	27.6	420	17.7	25.3	1,254	45.6	29.6	548	29.0	30.1	138	12.7	16.0	24	1,119	28.5	33.8	1,265	29.3	23.1
Essential (Primary) Hypertension and Hypertensive Renal Disease	966	11.7	11.2	152	6.4	9.2	341	12.4	7.8	379	20.0	20.4	83	7.6	10.6	11	406	10.3	12.0	560	13.0	10.3
Cerebrovascular Diseases	1,750	21.2	20.4	326	13.7	19.0	756	27.5	18.2	481	25.4	25.7	177	16.3	20.3	10	720	18.3	21.1	1,030	23.8	19.4
Influenza and Pneumonia	2,492	30.2	28.8	427	18.0	26.2	1,342	48.8	31.0	516	27.3	28.6	178	16.4	22.4	29	1,207	30.7	37.4	1,285	29.7	23.4
Chronic Lower Respiratory Diseases	1,774	21.5	20.9	280	11.8	16.5	954	34.7	24.0	421	22.3	22.7	103	9.5	13.1	16	849	21.6	25.6	925	21.4	17.7
Asthma	171	2.1	2.0	45	1.9	2.2	27	1.0	0.8	86	4.5	4.4	11	1.0	1.1	2	84	2.1	2.2	87	2.0	1.8
Chronic Liver Disease and Cirrhosis	550	6.7	6.4	206	8.7	10.1	206	7.5	6.2	105	5.6	5.2	25	2.3	2.2	8	381	9.7	9.9	169	3.9	3.5
External Causes	2,927	35.5	34.4	669	28.2	29.4	1,186	43.1	37.4	801	42.4	41.8	219	20.1	21.8	52	2,077	52.9	52.9	850	19.7	18.0
Motor Vehicle Accidents	283	3.4	3.4	66	2.8	3.0	108	3.9	3.5	65	3.4	3.4	39	3.6	4.1	5	196	5.0	5.1	87	2.0	1.9
Falls	404	4.9	4.7	76	3.2	4.1	230	8.4	5.7	47	2.5	2.6	48	4.4	5.7	3	237	6.0	6.8	167	3.9	3.0
Intentional Self-harm (Suicide)	509	6.2	6.0	114	4.8	4.8	245	8.9	8.0	65	3.4	3.4	73	6.7	6.7	12	381	9.7	9.6	128	3.0	2.8
Assault (Homicide)	528	6.4	6.4	135	5.7	5.6	53	1.9	1.9	318	16.8	17.3	15	1.4	1.3	7	429	10.9	10.8	99	2.3	2.3
Events of Undetermined Intent	247	3.0	2.9	39	1.6	1.7	129	4.7	4.2	52	2.8	2.7	20	1.8	1.8	7	165	4.2	4.2	82	1.9	1.8
Mental and Behavioral Disorders Due to Use of or Accidental Poisoning by Psychoactive Substances, Excluding Alcohol	758	9.2	8.6	201	8.5	8.5	342	12.4	11.7	200	10.6	9.5	5	0.5	0.4	10	547	13.9	13.1	211	4.9	4.6
Accidents Except Drug Poisoning	1,018	12.3	12.0	232	9.8	11.1	456	16.6	12.9	209	11.1	10.9	105	9.7	11.5	16	659	16.8	17.7	359	8.3	7.2

* 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 2011 US Census Bureau's estimates.
 ‡ 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, 2011

Community District of Residence	Population 2011 Estimates	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													No.	Crude Rate	No.	Crude Rate	No.
ALL DEATH EVENTS	8,244,910	52,789	6.4	16,900	205.0	766	9.3	2,492	30.2	1,750	21.2	1,774	21.5	509	6.2	528	6.4	247	3.0	
MANHATTAN	1,601,948	9,526	5.9	2,783	173.7	162	10.1	408	25.5	382	23.8	330	20.6	116	7.2	69	4.3	40	2.5	
Battery Park, Tribeca (01)	61,993	194	3.1	51	82.3	5	8.1	11	17.7	9	14.5	5	8.1	3	4.8	3	4.8	-	-	
Greenwich Village, SOHO (02)	90,466	442	4.9	130	143.7	4	4.4	13	14.4	22	24.3	17	17.7	3	3.3	8	8.8	3	3.3	
Lower East Side (03)	164,862	1,169	7.1	327	198.3	19	11.5	56	34.0	51	30.9	44	26.7	31	18.8	16	9.7	7	4.2	
Chelsea, Clinton (04)	104,456	488	4.7	138	132.1	10	9.6	21	20.1	16	15.3	20	19.1	5	4.8	9	8.6	2	1.9	
Midtown Business District (05)	51,977	224	4.3	62	119.3	4	7.7	6	11.5	8	15.4	2	3.8	5	9.6	2	3.8	1	1.0	
Murray Hill (06)	143,343	795	5.5	206	143.7	6	4.2	29	20.2	28	19.5	26	18.1	9	6.3	10	7.0	15	10.5	
Upper West Side (07)	211,374	1,392	6.6	433	204.9	17	8.0	59	27.9	69	32.6	33	15.6	8	3.8	21	9.9	9	4.3	
Upper East Side (08)	222,200	1,299	5.8	426	191.7	6	2.7	63	28.4	58	26.1	46	20.7	13	5.9	9	4.1	18	8.1	
Manhattanville (09)	110,904	601	5.4	179	161.4	12	10.8	33	29.8	19	17.1	20	18.0	5	4.5	24	21.6	7	6.3	
Central Harlem (10)	117,365	895	7.6	258	219.8	26	22.2	41	34.9	34	29.0	35	29.8	16	13.6	8	6.8	4	3.4	
East Harlem (11)	122,161	998	8.2	272	222.7	41	33.6	37	30.3	34	27.8	39	31.9	8	6.5	41	33.6	22	18.0	
Washington Heights (12)	192,213	1,012	5.3	294	153.0	17	8.8	37	19.2	33	17.2	33	17.2	16	8.3	33	17.2	16	8.3	
BRONX	1,392,002	8,606	6.2	2,566	184.3	1,982	14.2	413	29.7	261	18.7	318	22.8	179	12.9	162	11.6	80	5.7	
Mott Haven (01)	91,902	550	6.0	143	155.6	23	25.0	16	17.4	23	25.0	22	23.9	17	18.5	14	15.2	6	6.5	
Hunts Point (02)	52,552	282	5.4	81	154.1	8	15.2	11	20.9	6	11.2	9	17.1	5	9.1	12	22.8	2	3.8	
Morrisania (03)	79,887	460	5.8	109	136.4	106	132.7	17	21.3	17	21.3	25	31.3	5	6.3	15	18.8	4	5.0	
Concourse, Highbridge (04)	146,787	769	5.2	306	208.7	166	113.1	46	31.3	25	17.0	26	17.7	12	8.2	35	23.8	25	17.0	
University/Morris Heights (05)	128,366	570	4.4	121	94.3	129	100.5	41	31.9	26	20.3	14	10.9	11	8.6	23	17.9	17	13.2	
East Tremont (06)	83,581	450	5.4	116	138.8	98	117.3	20	23.9	23	27.5	13	15.6	5	6.0	29	34.7	18	21.5	
Fordham (07)	140,129	763	5.4	240	171.3	147	104.9	20	14.3	21	14.6	35	25.0	11	7.8	31	22.1	22	15.7	
Riverdale (08)	103,420	1,007	9.7	411	397.4	205	198.2	5	4.8	52	50.3	40	38.7	8	7.7	28	27.1	10	9.7	
Unionport, Soundview (09)	173,019	1,021	5.9	279	161.3	276	159.5	18	10.4	38	22.0	26	15.0	10	5.8	38	22.0	24	13.9	
Throgs Neck (10)	121,735	950	7.8	309	253.8	269	221.0	5	4.1	55	45.2	16	13.1	8	6.6	17	14.0	10	8.2	
Peiham Parkway (11)	114,521	897	7.8	301	262.8	214	186.9	7	6.1	49	42.8	38	33.2	13	11.4	29	25.3	12	10.5	
Williamsbridge (12)	151,853	886	5.8	256	168.6	210	138.3	22	14.5	39	25.7	36	23.7	10	6.6	37	24.4	12	7.9	
BROOKLYN	2,532,645	15,556	6.1	5,188	204.8	3,792	149.7	828	32.7	527	20.8	466	18.4	186	7.3	276	10.9	116	4.6	
Williamsburg, Greenpoint (01)	175,874	792	4.5	285	162.0	172	97.8	7	4.0	41	23.3	25	14.2	16	9.1	19	10.8	8	4.5	
Fort Greene, Brooklyn Heights (02)	101,185	612	6.0	223	220.4	143	141.3	13	12.8	15	14.8	13	12.8	6	5.9	8	7.9	6	5.9	
Bedford Stuyvesant (03)	154,364	1,022	6.6	316	204.7	240	155.5	33	21.4	35	22.7	29	18.8	11	7.1	58	37.6	6	3.9	
Bushwick (04)	114,642	531	4.6	159	138.7	117	102.1	11	9.6	15	13.1	32	27.9	13	11.3	32	27.9	17	14.8	
East New York (05)	184,798	1,125	6.1	332	179.7	259	140.2	36	19.5	45	24.4	41	22.2	14	7.6	60	32.5	15	8.1	
Park Slope (06)	106,602	504	4.7	198	185.7	106	99.4	3	2.8	37	34.7	12	11.3	6	5.6	17	15.9	9	8.4	
Sunset Park (07)	128,921	484	3.8	160	124.1	123	95.4	2	1.6	34	26.4	9	14.0	9	7.0	14	10.9	4	3.1	
Crown Heights North (08)	97,203	622	6.4	217	223.8	155	159.5	18	18.5	27	27.8	14	14.4	6	6.2	28	28.8	11	11.3	
Crown Heights South (09)	98,978	600	6.1	167	168.7	157	158.6	10	10.1	25	25.3	16	16.2	3	3.0	51	51.5	8	8.1	
Bay Ridge (10)	126,208	915	7.2	59	300	237.7	246	194.9	2	1.6	67	53.1	40	31.7	9	7.1	19	15.1	14	11.1
Bensonhurst (11)	184,883	1,303	7.0	57	481	260.2	320	173.1	1	0.5	94	50.8	39	21.1	13	7.0	27	14.6	13	7.0
Borough Park (12)	193,588	993	5.1	341	176.1	244	126.0	4	2.1	67	34.6	27	13.9	11	5.7	19	9.8	4	2.1	
Coney Island (13)	105,112	1,225	11.7	69	447	425.3	293	278.8	8	7.6	90	85.6	36	33.3	10	9.5	30	28.5	9	8.1
Flushung, Midwood (14)	161,853	876	5.4	55	275.6	232	143.3	15	9.3	50	30.9	28	17.3	11	6.8	31	19.2	5	3.1	
Sheepshead Bay (15)	161,166	1,311	8.1	57	534	331.3	310	192.3	4	2.5	70	43.4	56	34.7	9	5.6	25	15.5	11	6.8
Brownsville (16)	86,886	625	7.2	180	207.2	154	177.2	23	26.5	20	23.0	14	16.1	22	25.3	6	6.9	36	41.4	
East Flatbush (17)	155,778	903	5.8	332	148.9	229	147.0	24	15.4	39	25.0	46	29.5	16	10.3	9	5.8	64	41.1	
Canarsie (18)	194,510	1,107	5.7	56	273	191.8	291	149.6	6	3.1	46	23.6	35	18.0	3	1.5	43	22.1	13	6.7

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, 2011 (Continued)

Table M12 Deaths and Death Rates* per 100,000 Population from Selected Underlying Causes by Community District of Residence, New York City, 2011 (Continued)

Community District of Residence	Population 2011 Estimates	All Causes (Rate per 1,000)		Age-Adjusted Rate	Heart Diseases		Malignant Neoplasms		HIV Disease		Influenza and Pneumonia		Cerebrovascular Diseases		Chronic Lower Respiratory Diseases		Chronic Liver Disease & Cirrhosis		Diabetes Mellitus		Mental Disorders due to Substance Use & Accidental Poisoning		Accidents Except Drug Poisoning		Intentional Self-Harm (Suicide)		Assault + (Homicide)		Events of Undetermined Intent	
		No.	Crude Rate		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	2,247,848	12,061	5.4	4.9	4,281	190.4	2,908	129.4	76	3.4	608	27.0	386	17.2	431	19.2	130	5.8	378	16.8	110	4.9	259	11.5	129	5.7	85	3.8	60	2.7
Astoria, Long Island City (01)	191,760	908	4.7	5.0	344	179.4	226	117.9	6	3.1	32	16.7	31	16.2	25	13.0	14	7.3	26	13.6	13	6.8	22	11.5	14	7.3	4	2.1	5	2.6
Sunnyside, Woodside (02)	114,375	476	4.2	4.6	182	159.1	124	108.4	2	1.7	22	19.2	16	14.0	16	14.0	9	7.9	7	6.1	4	3.5	15	13.1	4	3.5	3	2.6	1	0.9
Jackson Heights (03)	173,732	692	4.0	4.5	223	128.4	184	105.9	6	3.5	36	20.7	19	10.9	19	10.9	12	6.9	14	8.1	10	5.8	17	9.8	8	4.6	4	2.3	3	1.7
Elmhurst, Corona (04)	174,788	611	3.5	4.3	188	107.6	149	85.2	2	1.1	46	26.3	22	12.6	20	11.4	5	2.9	28	16.0	1	0.6	13	7.4	12	6.9	5	2.9	8	4.6
Ridgewood, Glendale (05)	170,218	983	5.8	5.6	329	193.3	241	141.6	3	1.8	49	28.8	32	18.8	46	27.0	16	9.4	30	17.6	12	7.0	29	17.0	8	4.7	6	3.5	3	1.8
Rego Park, Forest Hills (06)	114,019	859	7.5	4.8	334	292.9	195	171.0	1	0.9	86	75.4	22	19.3	27	23.7	3	2.6	19	16.7	3	2.6	20	17.5	5	4.4	-	-	2	1.8
Flushing (07)	249,643	1,589	6.4	4.5	598	239.5	387	155.0	4	1.6	93	37.3	50	20.0	67	26.8	11	4.4	31	12.4	8	3.2	32	12.8	20	8.0	7	2.8	4	1.6
Fresh Meadows, Briarwood (08)	152,292	859	5.6	4.6	319	209.5	196	128.7	7	4.6	47	30.9	26	17.1	30	19.7	5	3.3	26	17.1	7	4.6	24	15.8	7	4.6	3	2.0	5	3.3
Woodhaven (09)	144,541	581	4.0	4.6	184	127.3	141	97.6	5	3.5	22	15.2	21	14.5	24	16.6	7	4.8	24	16.6	3	2.1	18	12.5	16	11.1	4	2.8	3	2.1
Howard Beach (10)	123,008	668	5.4	5.3	229	186.2	148	120.3	4	3.3	28	22.8	26	21.1	25	20.3	10	8.1	30	24.4	7	5.7	14	11.4	7	5.7	4	3.3	3	2.4
Bayside (11)	116,986	595	5.1	3.4	230	196.6	151	129.1	0	0.0	27	23.1	21	18.0	22	18.8	8	6.8	12	10.3	6	5.1	8	6.8	3	2.6	2	1.7	3	2.6
Jamaica, St. Albans (12)	227,460	1,266	5.6	5.5	402	176.7	281	123.5	19	8.4	56	24.6	45	19.8	31	13.6	14	6.2	67	29.5	16	7.0	22	9.7	12	5.3	28	12.3	5	2.2
Queens Village (13)	189,490	940	5.0	4.1	306	161.5	246	129.8	6	3.2	28	14.8	29	15.3	31	16.4	4	2.1	34	17.9	4	2.1	15	7.9	7	3.7	6	3.2	6	3.2
The Rockaways (14)	115,761	1,026	8.9	8.2	413	356.8	238	205.6	11	9.5	36	31.1	26	22.5	48	41.5	12	10.4	30	25.9	16	13.8	9	7.8	6	5.2	9	7.8	6	5.2
STATEN ISLAND	470,467	3,169	6.7	6.2	1,245	264.6	762	162.0	28	6.0	128	27.2	85	18.1	146	31.0	32	6.8	104	22.1	75	15.9	53	11.3	22	4.7	15	3.2	21	4.5
Port Richmond (01)	177,231	1,119	6.3	6.7	425	239.8	245	138.2	23	13.0	46	26.0	31	17.5	58	32.7	14	7.9	51	28.8	24	13.5	19	10.7	6	3.4	11	6.2	8	4.5
Willowbrook, South Beach (02)	132,427	1,093	8.3	6.3	475	358.7	264	199.4	2	1.5	37	27.9	21	15.9	44	33.2	5	3.8	33	24.9	24	18.1	13	9.8	7	5.3	2	1.5	6	4.5
Tottenville (03)	160,052	955	6.0	5.7	344	214.9	253	158.1	3	1.9	45	28.1	32	20.0	44	27.5	13	8.1	20	12.5	27	16.9	21	13.1	9	5.6	2	1.2	7	4.4
NONRESIDENTS	-	3,795	-	-	819	-	1,534	-	37	-	103	-	109	-	83	-	36	-	70	-	68	-	93	-	41	-	30	-	19	-
RESIDENCE UNKNOWN	-	81	-	-	19	-	5	-	2	-	4	-	-	-	-	-	1	-	2	-	5	-	8	-	5	-	2	-	11	-

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 2011 population estimates derived by Bureau of Epi Services. See Technical Notes: Population, Community District.

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

Cause (ICD-10 Codes) ††	ANNUAL											
	1901-1905	1906-1910	1911-1915	1916-1920	1921-1925	1926-1930	1931-1935	1936-1940	1941-1945	1946-1948	1949-1951	1952-1955
Infant Deaths (under 1 year)	15,611	16,609	14,060	12,004	8,895	7,662	5,521	4,079	3,828	4,298	3,882	4,021
Rate per 1,000 live births	120.8	115.2	100.0	88.2	68.9	61.0	52.0	39.8	30.3	26.8	24.5	24.6
Neonatal Deaths (under 28 days)	§§	§§	5,143	4,894	4,309	3,892	3,152	2,631	2,764	3,298	2,989	3,032
Rate per 1,000 live births			37.4	36.0	33.0	31.0	29.7	25.7	21.9	20.5	18.9	18.5
Early Neonatal Deaths (under 7 Days)	§§	§§	§§	§§	§§	§§	§§	2,110	2,338	2,845	2,604	2,713
Rate per 1,000 live births								20.5	18.5	17.7	16.4	16.6
Fetal Deaths 28 Weeks Gestation and Older	§§	§§	§§	§§	§§	§§	§§	2,589	2,709	2,902	2,441	2,310
Ratio per 1,000 live births								25.3	21.4	18.1	15.4	14.1
Perinatal mortality ratio†	§§	§§	§§	§§	§§	§§	§§	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.

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Table M14. Alcohol-attributable Deaths Due to Excessive Alcohol Use, Age ≥ 20 Years, New York City, 2010 and 2011*

	2010†			2011		
	Total	Male	Female	Total	Male	Female
Total for All Causes	1,691	1,220	471	1,739	1,242	497
Chronic Causes						
Acute pancreatitis	10	7	3	12	6	6
Alcohol abuse	58	47	11	54	41	13
Alcohol cardiomyopathy	9	6	3	6	6	0
Alcohol dependence syndrome	143	119	24	156	126	30
Alcohol polyneuropathy	0	0	0	0	0	0
Alcohol-induced chronic pancreatitis	1	1	0	2	1	1
Alcoholic gastritis	0	0	0	0	0	0
Alcoholic liver disease	351	259	92	365	281	84
Alcoholic myopathy	0	0	0	0	0	0
Alcoholic psychosis	2	2	0	1	1	0
Breast cancer (females only)	12	0	12	13	0	13
Cholelithiasis	0	0	0	0	0	0
Chronic hepatitis	< 1	0	< 1	0	0	0
Chronic pancreatitis	5	3	2	1	1	0
Degeneration of nervous system due to alcohol	2	2	0	0	0	0
Epilepsy	5	3	2	5	3	2
Esophageal cancer	7	5	2	6	5	2
Esophageal varices	0	0	0	0	0	0
Fetal alcohol syndrome	1	0	1	2	1	1
Fetus and newborn affected by maternal use of alcohol	0	0	0	0	0	0
Gastroesophageal hemorrhage	< 1	0	< 1	1	1	< 1
Hypertension	75	32	43	65	26	40
Ischemic heart disease	23	11	12	21	9	12
Laryngeal cancer	5	4	1	5	4	1
Liver cancer	32	22	10	27	16	11
Liver cirrhosis unspecified	94	54	40	98	50	48
Low birthweight, prematurity, IUGR ‡	5	3	2	4	1	2
Oropharyngeal cancer	6	4	2	6	4	2
Portal hypertension	1	1	0	0	0	0
Prostate cancer (males only)	4	4	0	4	4	0
Psoriasis	0	0	0	0	0	0
Spontaneous abortion (females only)	< 1	0	< 1	0	0	0
Stroke, hemorrhagic	25	20	6	26	18	8
Stroke, ischemic	8	5	3	8	5	3
Supraventricular cardiac dysrhythmia	2	1	1	2	< 1	1
Subtotal	887	614	273	890	611	279
Acute Causes						
Air-space transport	0	0	0	0	0	0
Alcohol poisoning	53	42	11	65	55	10
Aspiration	2	1	1	3	1	1
Child maltreatment	5	2	3	4	3	1
Drowning	5	3	2	8	5	3
Excessive blood alcohol level	0	0	0	0	0	0
Fall injuries	117	69	48	129	76	53
Fire injuries	16	8	8	22	13	9
Firearm injuries	0	0	0	0	0	0
Homicide	245	211	34	238	194	44
Hypothermia	4	3	< 1	3	2	1
Motor-vehicle non-traffic crashes	< 1	< 1	0	< 1	< 1	0
Motor-vehicle traffic crashes	85	70	15	82	67	16
Occupational and machine injuries	1	1	0	1	1	< 1
Other road vehicle crashes	4	3	< 1	3	3	< 1
Poisoning (not alcohol)	151	106	46	175	125	49
Suicide	115	85	29	116	87	29
Suicide by and exposure to alcohol	1	1	0	0	0	0
Water transport	0	0	0	0	0	0
Subtotal	804	606	198	849	631	218

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

* Numbers may not sum to total due to rounding.

† Alcohol-attributable death data for 2010 are revised. The data published in 2010 Summary were not correct due a glitch in CDC software.

‡ IUGR = Intrauterine growth restriction.

**Table M15. Deaths and Age-adjusted Death Rates for Selected Smoking-related Causes of Death per 100,000 Population (35 years and over)
New York City, 2011**

Causes of Death	All		Hispanic		Asian & P.I.		Non-Hispanic White		Non-Hispanic Black		Male		Female	
	Deaths	Rate	Deaths	Rate	Deaths	Rate	Deaths	Rate	Deaths	Rate	Deaths	Rate	Deaths	Rate
Major Cardiovascular Diseases	19,905	455.8	3,072	370.6	1,125	271.7	10,508	474.9	4,997	544.5	9,065	543.4	10,840	389.8
Cerebrovascular Diseases	1,728	40.0	318	37.9	174	40.9	754	35.2	472	50.4	705	41.4	1,023	38.0
Malignant Neoplasms of Trachea, Bronchus and Lung	2,869	66.8	374	40.4	223	49.2	1,530	79.7	725	74.8	1,531	87.2	1,338	52.6
Chronic Lower Respiratory Diseases	1,739	40.6	268	32.5	103	27.1	951	45.7	402	43.9	828	50.6	911	34.3
Malignant Neoplasm of Esophagus	270	6.2	36	4.1	21	4.4	144	7.7	67	6.7	199	11.0	71	2.8
Malignant Neoplasms of Lip, Oral Cavity and Pharynx	207	4.7	32	3.3	24	4.9	80	4.4	68	6.7	146	7.8	61	2.4
Malignant Neoplasm of Larynx	116	2.7	32	3.6	7	1.7	41	2.2	34	3.5	88	5.0	28	1.1

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

AGE GROUP/ETHNIC GROUP	ALL											1983-2001	2002	2003	
	1983-2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011				
ALL AGES	Total	68,194	1,713	1,656	1,451	1,419	1,209	1,115	1,073	933	832	766	52,758	1,138	1,100
	Puerto Rican	12,647	359	323	300	289	220	224	217	187	196	186	9,358	239	213
	Other Hispanic	6,071	144	167	113	129	111	103	118	105	72	46	5,013	104	113
	Asian & Pacific Islander	442	14	8	6	7	10	5	10	3	6	4	393	11	8
	Non-Hispanic White	17,775	274	245	192	196	178	143	129	90	100	94	15,585	207	181
	Non-Hispanic Black	27,653	872	846	793	769	660	625	583	537	449	421	19,503	538	536
	Other or Unknown	3,606	50	67	47	29	30	15	16	11	9	15	2,906	39	49
UNDER 1	Total	312	1	1	-	-	-	-	-	-	-	-	158	-	-
	Puerto Rican	42	-	-	-	-	-	-	-	-	-	-	24	-	-
	Other Hispanic	29	1	-	-	-	-	-	-	-	-	-	16	-	-
	Asian & Pacific Islander	1	-	-	-	-	-	-	-	-	-	-	1	-	-
	Non-Hispanic White	48	-	-	-	-	-	-	-	-	-	-	31	-	-
	Non-Hispanic Black	173	-	1	-	-	-	-	-	-	-	-	78	-	-
	Other or Unknown	19	-	-	-	-	-	-	-	-	-	-	8	-	-
1-14	Total	937	5	9	6	4	1	2	-	1	-	-	478	3	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	153	-	1	-	-	-	1	-	-	-	-	82	-	1
	Non-Hispanic Black	468	3	7	4	1	-	-	-	1	-	-	234	1	2
	Other or Unknown	46	-	-	-	-	-	-	-	-	-	-	19	-	-
15-24	Total	1,023	20	18	15	22	22	19	17	14	8	16	615	11	7
	Puerto Rican	226	6	1	2	4	1	7	3	2	1	4	130	3	1
	Other Hispanic	117	3	4	-	2	5	4	-	3	-	-	83	2	2
	Asian & Pacific Islander	6	-	1	-	-	-	-	-	-	1	-	4	-	1
	Non-Hispanic White	153	2	-	1	1	1	-	1	3	-	-	102	2	-
	Non-Hispanic Black	457	9	12	11	15	13	8	13	6	6	12	259	4	3
	Other or Unknown	64	-	-	1	-	2	-	-	-	-	-	37	-	-
25-34	Total	16,601	140	123	90	92	63	52	77	49	37	40	12,033	72	76
	Puerto Rican	3,463	24	20	12	12	4	8	8	7	11	2	2,431	10	12
	Other Hispanic	1,752	15	15	8	12	6	4	11	3	8	8	1,398	10	12
	Asian & Pacific Islander	90	1	-	1	-	-	1	-	1	-	2	76	1	-
	Non-Hispanic White	4,012	13	10	12	7	9	3	6	5	1	3	3,347	8	8
	Non-Hispanic Black	6,398	83	75	56	59	44	35	52	33	17	25	4,113	41	43
	Other or Unknown	886	4	3	1	2	-	1	-	-	-	-	668	2	1
35-44	Total	29,222	624	568	467	407	343	311	246	190	142	125	22,797	383	330
	Puerto Rican	5,287	131	114	101	71	65	64	57	45	34	28	3,987	83	65
	Other Hispanic	2,420	62	60	33	48	41	27	37	28	19	8	2,023	41	32
	Asian & Pacific Islander	179	4	3	2	3	4	2	3	1	-	1	168	3	3
	Non-Hispanic White	7,960	101	85	71	45	45	46	34	18	16	12	7,003	67	55
	Non-Hispanic Black	11,854	312	281	250	224	182	168	113	98	71	76	8,387	179	156
	Other or Unknown	1,522	14	25	10	16	6	4	2	-	2	-	1,229	10	19
45-54	Total	14,401	641	640	594	586	502	448	425	352	330	287	11,878	455	451
	Puerto Rican	2,592	125	127	127	140	99	84	89	65	85	75	2,020	86	91
	Other Hispanic	1,128	41	58	45	49	40	43	46	46	29	15	985	32	45
	Asian & Pacific Islander	104	6	4	2	3	3	-	5	-	3	-	96	6	4
	Non-Hispanic White	3,879	116	103	73	93	76	61	45	35	37	41	3,574	93	77
	Non-Hispanic Black	5,922	327	322	322	294	272	256	231	200	173	150	4,518	215	216
	Other or Unknown	776	26	26	25	7	12	4	9	6	3	6	685	23	18
≥ 55	Total	5,698	282	296	279	308	278	283	308	327	315	298	4,799	214	232
	Puerto Rican	870	73	61	57	60	51	61	60	68	65	77	678	57	44
	Other Hispanic	528	20	29	26	17	18	24	24	25	16	15	456	17	22
	Asian & Pacific Islander	56	3	-	1	1	3	2	2	1	2	1	45	1	-
	Non-Hispanic White	1,570	42	46	35	50	47	32	43	29	46	38	1,446	37	40
	Non-Hispanic Black	2,381	138	148	150	176	149	158	174	199	182	158	1,914	98	116
	Other or Unknown	293	6	12	10	4	10	6	5	5	4	9	260	4	10

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.

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New York City, 1983-2011

MALE								FEMALE										
2004	2005	2006	2007	2008	2009	2010	2011	1983-2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
943	949	818	711	702	603	574	528	15,436	575	556	508	470	391	404	371	330	258	238
204	206	163	142	138	125	135	123	3,289	120	110	96	83	57	82	79	62	61	63
79	100	78	76	84	71	54	39	1,058	40	54	34	29	33	27	34	34	18	7
5	6	8	3	7	2	3	2	49	3	-	1	1	2	2	3	1	3	2
146	143	139	103	104	68	76	75	2,190	67	64	46	53	39	40	25	22	24	19
481	475	407	377	356	329	297	277	8,150	334	310	312	294	253	248	227	208	152	144
28	19	23	10	13	8	9	12	700	11	18	19	10	7	5	3	3	-	3
-	-	-	-	-	-	-	-	154	1	1	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	18	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	13	1	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	17	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	95	-	1	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	11	-	-	-	-	-	-	-	-	-	-
4	2	-	1	-	1	-	-	459	2	6	2	2	1	1	-	-	-	-
-	1	-	-	-	-	-	-	79	-	-	1	1	-	-	-	-	-	-
-	-	-	-	-	-	-	-	45	-	1	1	1	1	1	-	-	-	-
-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-
-	-	-	1	-	-	-	-	71	-	-	-	-	-	-	-	-	-	-
4	1	-	-	-	1	-	-	234	2	5	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	27	-	-	-	-	-	-	-	-	-	-
8	14	12	9	7	5	4	13	408	9	11	7	8	10	10	10	9	4	3
1	4	1	3	-	-	-	2	96	3	-	1	-	-	4	3	2	1	2
-	2	3	4	-	-	-	-	34	1	2	-	-	2	-	-	3	-	-
-	-	-	-	-	-	1	-	2	-	-	-	-	-	-	-	-	-	-
1	1	-	-	1	2	-	-	51	-	-	-	-	1	-	-	1	-	-
5	7	7	2	6	3	3	11	198	5	9	6	8	6	6	7	3	3	1
1	-	1	-	-	-	-	-	27	-	-	-	-	1	-	-	-	-	-
45	59	41	32	48	32	27	29	4,568	68	47	45	33	22	20	29	17	10	11
5	6	2	3	5	6	7	2	1,032	14	8	7	6	2	5	3	1	4	-
6	9	4	4	10	2	6	7	354	5	3	2	3	2	-	1	1	2	1
1	-	-	-	-	-	-	1	14	-	-	-	-	-	1	-	1	-	1
9	5	6	2	4	5	1	2	665	5	2	3	2	3	1	2	-	-	1
23	38	29	22	29	19	13	17	2,285	42	32	33	21	15	13	23	14	4	8
1	1	-	1	-	-	-	-	218	2	2	-	1	-	-	-	-	-	-
280	241	211	177	144	111	94	77	6,425	241	238	187	166	132	134	102	79	48	48
65	46	47	41	30	26	20	17	1,300	48	49	36	25	18	23	27	19	14	11
23	32	28	17	23	16	14	8	397	21	28	10	16	13	10	14	12	5	-
1	3	3	1	3	1	-	-	11	1	-	1	-	1	1	-	-	-	1
53	31	28	32	22	12	11	10	957	34	30	18	14	17	14	12	6	5	2
134	120	100	83	65	56	47	42	3,467	133	125	116	104	82	85	48	42	24	34
4	9	5	3	1	-	2	-	293	4	6	6	7	1	1	1	-	-	-
395	400	342	289	275	225	219	183	2,523	186	189	199	186	160	159	150	127	111	104
91	101	74	58	56	51	62	43	572	39	36	36	39	25	26	33	14	23	32
31	43	29	32	33	35	20	12	143	9	13	14	6	11	11	13	11	9	3
2	2	2	-	3	-	1	-	8	-	-	-	1	1	-	2	-	2	-
53	69	65	40	37	25	28	30	305	23	26	20	24	11	21	8	10	9	11
203	180	164	156	139	111	105	95	1,404	112	106	119	114	108	100	92	89	68	55
15	5	8	3	7	3	3	3	91	3	8	10	2	4	1	2	3	-	3
211	233	212	203	228	229	230	226	899	68	64	68	75	66	80	80	98	85	72
42	48	39	37	47	42	46	59	192	16	17	15	12	12	24	13	26	19	18
19	14	14	19	18	18	14	12	72	3	7	7	3	4	5	6	7	2	3
1	1	3	2	1	1	1	1	11	2	-	-	-	-	-	1	-	1	-
30	37	40	28	40	24	36	33	124	5	6	5	13	7	4	3	5	10	5
112	129	107	114	117	139	129	112	467	40	32	38	47	42	44	57	60	53	46
7	4	9	3	5	5	4	9	33	2	2	3	-	1	3	-	-	-	-

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**Table M17. Selected Characteristics of Deaths Due to Fatal Occupational Injuries,
New York City, 2011**

Characteristics	All Deaths	Sex		Age Group in Years				
		Male	Female	<25	25-34	35-44	45-54	55+
Total	72	66	6	5	14	17	20	16
Selected Events								
Transportation incident	13	12	1	2	2	4	2	3
Contact with objects and equipment	13	10	3	1	3	2	3	4
Assaults and violent acts	24	22	2	1	5	5	6	7
Homicide	16	14	2	1	4	5	3	3
Shooting	12	11	1	1	4	2	2	3
Falls	15	15	0	0	2	2	9	2
Selected Industries*								
Construction	17	17	0	0	5	2	9	1
Transportation and warehousing	8	8	0	0	2	3	2	1
Taxicabs	5	5	0	0	1	2	1	1
Retail trade	7	6	1	1	1	1	1	3
Grocery stores	2	2	0	1	0	0	0	1
Accommodation and food services	6	5	1	1	2	2	0	1
Eating and drinking places	5	5	0	1	2	2	0	0
Public administration	8	8	0	0	1	2	3	2
Police and fire protection	5	5	0	0	1	2	2	0
Financial activities	1	1	0	0	0	0	1	0
Ethnic Group								
Non-Hispanic White	30	29	1	1	6	5	11	7
Non-Hispanic Black	18	16	2	0	2	6	5	5
Hispanic	17	15	2	4	4	3	2	4
Asian and Pacific Islander	7	6	1	0	2	3	2	0

*The industry in which the decedent worked and was injured is coded based on the North American Industry Classification System.

Table M18. Deaths Due to Accidents, Overall and by Age and Sex, New York City, 2011

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	1,618	11	8	3	2	6	4	27	5	61	16	164	50	174	59	249	78	165	72	74	52	157	181
Motor Vehicle Except Injury to Pedestrian, Pedal Cyclist, and Motorcyclist	83	-	-	-	-	-	1	8	3	2	1	9	5	7	2	9	2	10	1	3	7	8	5
Injury to Pedestrians	156	1	-	1	-	1	1	8	-	9	3	10	7	7	8	14	3	19	10	10	6	19	18
Collision with motor vehicle	143	1	-	1	1	1	1	6	-	6	2	9	6	7	8	13	3	15	10	10	6	19	18
Collision with railway transportation	12	-	-	-	-	-	-	2	-	2	1	1	1	-	-	1	-	4	-	-	-	-	-
Other collision	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Injury to Pedal Cyclist	25	-	-	1	-	-	-	1	1	6	-	5	1	4	-	3	-	1	-	-	1	1	-
Collision with motor vehicle	21	-	-	1	-	-	-	1	1	4	-	5	1	2	-	3	-	1	-	-	1	1	-
Other collision	4	-	-	-	-	-	-	-	-	2	-	-	-	2	-	-	-	-	-	-	-	-	-
Injury to Motorcyclist	32	-	-	-	-	-	-	1	-	2	-	9	-	13	-	6	-	-	-	1	-	-	-
Water Transport Accidents	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Air and Space Transport Accidents	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Transport Accidents	5	-	-	-	-	-	-	1	-	1	-	1	-	-	-	-	-	-	-	-	-	-	2
Sequelae (Late Effects) of Transport Accidents	14	-	-	-	-	-	-	-	-	-	-	2	2	-	-	4	1	2	-	1	-	1	-
Fall	404	-	-	-	-	1	-	3	-	4	-	17	2	19	1	30	4	24	8	32	21	107	131
Firearm Discharge	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Drowning and Submersion	25	-	-	-	-	-	-	-	-	5	-	3	-	3	4	1	1	-	1	2	1	-	3
Smoke, Fire, and Flames	56	-	1	-	-	1	1	-	-	-	1	1	-	6	2	5	3	5	2	7	6	8	7
Poisoning by Noxious Substances	669	2	-	-	-	-	-	5	1	27	11	98	30	104	38	161	57	83	39	9	2	-	2
Poisoning by psychoactive substances*	600	2	-	-	-	-	-	4	1	23	10	91	30	94	36	142	50	72	38	4	2	-	1
Poisoning by other noxious substances	69	-	-	-	-	-	-	1	-	4	1	7	-	10	2	19	7	11	1	5	-	1	
Exposure to Excessive Natural Heat	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	3	3	3	3	2	1	5
Exposure to Excessive Natural Cold	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	2	-	1	
Suffocation	47	7	6	1	-	1	-	-	-	1	-	2	1	4	1	4	3	4	3	2	1	3	3
Contact with Machinery	5	-	-	-	-	-	-	-	-	1	-	1	-	1	1	1	-	-	-	-	-	-	-
Other Nontransport Accidents	45	1	1	-	1	-	-	-	-	1	-	4	-	4	-	4	-	7	4	1	5	8	4
Sequelae (Late Effects) of Nontransport Accidents	16	-	-	-	-	1	-	-	-	1	-	1	-	2	1	2	1	5	-	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, 2011

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	Male	Female
Total	509	509	-	-	-	-	2	1	18	5	30	11	67	29	63	14	93	24	53	12	34	18	21	14
Poisoning by Drug and Medicinal Substances	84	84	-	-	-	-	-	-	2	-	1	1	6	10	12	4	12	10	13	5	5	3	-	-
Poisoning by Other Substances	6	6	-	-	-	-	-	-	-	-	-	-	-	-	3	-	1	-	-	-	-	1	-	1
Hanging, Strangulation, and Suffocation	178	178	-	-	-	-	2	1	3	4	6	4	24	11	24	4	31	9	19	2	14	5	9	6
Drowning and Submersion	23	23	-	-	-	-	-	-	2	-	2	1	5	-	6	-	6	-	-	1	-	-	-	-
Firearm Discharge	58	58	-	-	-	-	-	-	4	-	4	3	7	2	7	2	17	-	6	-	5	-	1	-
Sharp Object	25	25	-	-	-	-	-	-	-	-	1	-	1	1	4	-	7	-	5	1	1	3	1	-
Jumping From High Place	93	93	-	-	-	-	-	-	5	1	9	2	15	3	4	4	12	3	6	2	8	5	7	7
Jumping or Lying Before Moving Object	38	38	-	-	-	-	-	-	2	-	7	-	7	2	3	-	7	2	3	-	1	1	3	-
Other and Unspecified Means	2	2	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-
Sequelae (Late Effects)	2	2	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-

Table M20. Deaths Due to Assault (Homicide) and Legal Intervention, Overall and by Age and Sex, New York City, 2011

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	Male	Female
Total	534	534	12	5	2	0	2	1	50	6	91	16	119	18	69	12	47	20	25	11	5	9	12	2
Poisoning by Noxious Substances	2	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hanging, Strangulation, and Suffocation	20	20	3	-	-	-	-	-	1	-	1	1	3	1	-	-	2	2	1	2	1	1	2	-
Drowning and Submersion	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Firearm Discharge	308	308	-	-	-	-	2	-	35	4	72	10	96	10	45	3	18	2	5	2	1	1	2	-
Smoke, Fire, and Flames	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sharp Object	106	106	-	-	-	-	-	-	10	1	17	5	13	4	15	5	12	12	3	5	2	2	2	-
Blunt Object	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pushing From High Place	2	2	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Bodily Force	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Neglect, Abandonment, and Other Maltreatment	5	5	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other and Unspecified Means	66	66	5	3	1	-	-	1	3	1	2	-	3	3	6	3	8	3	12	1	2	3	4	2
Sequelae (Late Effects)	16	16	-	-	-	-	-	-	-	-	-	-	2	-	2	-	6	1	3	-	1	-	1	-
Legal Intervention, All*	6	6	-	-	-	-	-	-	1	-	-	-	2	-	-	-	1	-	1	-	-	-	-	-

* All but one 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, 2011

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	247	21	15	-	-	-	-	2	-	8	2	20	8	17	10	38	13	34	12	14	9	11	13
Poisoning by Noxious Substances	36	1	-	-	-	-	-	-	-	1	-	3	2	2	3	4	10	3	5	-	2	-	-
Hanging, Strangulation, and Suffocation	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Drowning and Submersion	17	-	-	-	-	-	-	-	-	2	-	1	-	3	2	5	-	1	-	1	-	2	-
Firearm Discharge	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Smoke, Fire, and Flames	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Falling From High Place	12	-	-	-	-	-	-	1	-	1	-	2	1	3	-	-	-	1	2	-	1	-	-
Other and Unspecified Means	181	20	15	-	-	-	-	1	-	4	2	14	5	9	4	29	2	28	7	12	7	9	13
Sequelae (Late Effects)	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-

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Table M22. Deaths Due to Complications of Medical and Surgical Care, Overall and by Age and Sex, New York City, 2011

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	19	3	-	-	-	-	-	-	-	-	-	1	1	1	1	2	-	1	3	-	-	1	5
Adverse Effects From Drugs, Medicaments, and Biological Substances for Therapeutic Use	3	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Medical Misadventures to Patients During Surgical and Medical Care	11	1	-	-	-	-	-	-	-	-	-	1	1	1	1	-	1	1	3	-	-	-	2
Other and Unspecified Means	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	2

Table M23. Deaths Due to Firearms (All Causes), Overall and by Age and Sex, New York City, 2011

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)	371	-	-	-	-	2	-	40	4	76	13	105	12	52	5	36	2	11	3	6	1	3	-

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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.

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Table M25. Life Expectancy at Specified Ages, Overall and by Sex, New York City, 2001-2010*

Age in years	Total									
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
0	77.9	78.2	78.5	79.0	79.2	79.7	80.1	80.2	80.6	80.9
1	77.3	77.7	77.9	78.5	78.7	79.1	79.6	79.6	80.0	80.3
5	73.4	73.7	74.0	74.5	74.7	75.2	75.6	75.7	76.1	76.3
10	68.5	68.8	69.1	69.6	69.8	70.3	70.7	70.7	71.1	71.4
15	63.5	63.8	64.1	64.7	64.8	65.3	65.7	65.8	66.2	66.4
20	58.7	59.0	59.3	59.8	60.0	60.4	60.8	60.9	61.3	61.6
25	53.9	54.1	54.4	55.0	55.2	55.6	56.0	56.1	56.4	56.7
30	49.1	49.3	49.6	50.1	50.3	50.8	51.2	51.3	51.6	51.9
35	44.4	44.6	44.9	45.3	45.5	46.0	46.3	46.5	46.8	47.1
40	39.8	40.0	40.2	40.6	40.8	41.3	41.6	41.7	42.0	42.3
45	35.3	35.5	35.7	36.1	36.3	36.7	37.0	37.1	37.4	37.6
50	31.0	31.2	31.4	31.8	31.9	32.3	32.6	32.7	33.0	33.1
55	26.9	27.0	27.2	27.6	27.7	28.1	28.4	28.4	28.7	28.8
60	22.9	23.0	23.2	23.6	23.7	24.1	24.3	24.3	24.6	24.7
65	19.1	19.2	19.3	19.6	19.8	20.1	20.4	20.4	20.6	20.8
70	15.5	15.6	15.7	16.0	16.1	16.4	16.6	16.7	16.9	17.0
75	12.2	12.3	12.4	12.5	12.6	12.9	13.1	13.2	13.4	13.5
80	9.3	9.4	9.5	9.6	9.6	9.8	10.0	10.0	10.2	10.3
85	6.8	6.9	7.0	7.1	7.1	7.2	7.4	7.3	7.5	7.5

Age in years	Male									
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
0	74.9	75.2	75.5	76.3	76.4	76.8	77.3	77.5	77.8	78.1
1	74.4	74.7	75.1	75.8	75.9	76.3	76.8	76.9	77.3	77.5
5	70.5	70.8	71.1	71.8	72.0	72.4	72.9	73.0	73.3	73.6
10	65.5	65.8	66.2	66.9	67.0	67.5	67.9	68.0	68.4	68.6
15	60.6	60.9	61.2	62.0	62.1	62.5	62.9	63.1	63.4	63.6
20	55.8	56.1	56.4	57.1	57.3	57.7	58.1	58.2	58.6	58.8
25	51.1	51.3	51.7	52.4	52.6	52.9	53.4	53.5	53.8	54.1
30	46.4	46.6	47.0	47.6	47.8	48.2	48.6	48.7	49.1	49.3
35	41.7	41.9	42.3	42.9	43.0	43.4	43.8	44.0	44.3	44.5
40	37.1	37.4	37.7	38.2	38.4	38.8	39.1	39.3	39.6	39.8
45	32.8	33.0	33.3	33.8	33.9	34.3	34.7	34.8	35.0	35.2
50	28.7	28.8	29.1	29.6	29.7	30.0	30.4	30.5	30.7	30.8
55	24.7	24.8	25.1	25.6	25.7	26.0	26.3	26.4	26.6	26.7
60	21.0	21.0	21.3	21.8	21.9	22.2	22.4	22.5	22.6	22.7
65	17.3	17.4	17.7	18.0	18.1	18.4	18.7	18.7	18.9	19.0
70	14.0	14.1	14.2	14.6	14.7	14.9	15.1	15.3	15.4	15.5
75	11.0	11.1	11.2	11.3	11.5	11.6	11.8	12.1	12.2	12.2
80	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.3	9.3
85	6.2	6.3	6.5	6.6	6.5	6.5	6.7	6.7	6.8	6.8

Age in years	Female									
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
0	80.5	80.8	81.0	81.3	81.6	82.1	82.5	82.6	83.0	83.3
1	79.9	80.2	80.4	80.8	81.0	81.5	81.9	82.0	82.3	82.7
5	76.0	76.3	76.5	76.8	77.1	77.6	78.0	78.0	78.4	78.7
10	71.0	71.3	71.6	71.9	72.1	72.6	73.0	73.1	73.4	73.8
15	66.1	66.4	66.6	67.0	67.2	67.7	68.1	68.1	68.5	68.8
20	61.2	61.5	61.7	62.0	62.3	62.8	63.1	63.2	63.5	63.9
25	56.3	56.6	56.8	57.1	57.4	57.8	58.2	58.3	58.6	58.9
30	51.4	51.7	51.9	52.2	52.5	52.9	53.3	53.4	53.7	54.0
35	46.6	46.8	47.0	47.4	47.6	48.1	48.4	48.5	48.8	49.1
40	41.9	42.1	42.3	42.6	42.8	43.3	43.6	43.7	44.0	44.3
45	37.3	37.6	37.7	38.0	38.2	38.7	38.9	39.0	39.3	39.6
50	32.9	33.1	33.3	33.5	33.7	34.2	34.4	34.5	34.8	35.0
55	28.5	28.7	28.9	29.1	29.3	29.7	30.0	30.0	30.4	30.5
60	24.3	24.5	24.6	24.9	25.1	25.5	25.7	25.7	26.0	26.2
65	20.3	20.4	20.6	20.8	20.9	21.3	21.6	21.6	21.9	22.0
70	16.5	16.6	16.7	16.9	17.0	17.4	17.6	17.6	17.9	18.1
75	13.0	13.0	13.2	13.3	13.3	13.7	13.9	13.9	14.2	14.4
80	9.8	9.8	10.0	10.1	10.1	10.4	10.6	10.6	10.8	10.9
85	7.1	7.1	7.3	7.4	7.4	7.6	7.7	7.6	7.8	7.8

Note: Life expectancy for year 2011 is not presented since national data are required and are not yet available. Life expectancy for year 2010 is preliminary.

* Population data are interpolated based on 2000 and 2010 Census counts, while in the 2000-2009 Summaries, 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.

MORTALITY

Table M26. Years of Potential Life Lost (YPLL) Before Age 75 Overall and by Sex and Selected Causes of Death, New York City, 2011

Cause of Death	All		Male		Female	
	YPLL	%	YPLL	%	YPLL	%
Total	451,210	100.0	276,092	100.0	175,118	100.0
Malignant Neoplasms	112,589	25.0	55,703	20.2	56,886	32.5
Trachea, bronchus, and lung	20,447	4.5	11,436	4.1	9,011	5.1
Colon, rectum, and anus	10,082	2.2	5,385	2.0	4,697	2.7
Breast	11,814	2.6	19	0.0	11,795	6.7
Leukemia	6,668	1.5	4,050	1.5	2,618	1.5
Pancreas	6,593	1.5	3,608	1.3	2,985	1.7
Diseases of Heart	70,382	15.6	47,511	17.2	22,871	13.1
Use of or Poisoning by Psychoactive Substance	22,884	5.1	16,590	6.0	6,294	3.6
Assault (Homicide)	21,876	4.8	18,253	6.6	3,623	2.1
Accidents Except Poisoning by Psychoactive Substance	19,951	4.4	15,248	5.5	4,703	2.7
Motor vehicle	7,650	1.7	5,792	2.1	1,858	1.1
HIV Disease	18,159	4.0	12,214	4.4	5,945	3.4
Intentional Self-harm (Suicide)	15,106	3.3	11,468	4.2	3,638	2.1
Diabetes Mellitus	12,977	2.9	7,742	2.8	5,235	3.0
Cerebrovascular Diseases	9,807	2.2	5,716	2.1	4,091	2.3
Influenza and Pneumonia	9,211	2.0	5,651	2.0	3,560	2.0
Chronic Lower Respiratory Diseases	9,156	2.0	5,263	1.9	3,893	2.2
Chronic Liver Disease and Cirrhosis	8,601	1.9	6,316	2.3	2,285	1.3
Viral Hepatitis	5,449	1.2	4,033	1.5	1,416	0.8
Mental and Behavioral Disorders Due to Use of Alcohol	4,396	1.0	3,517	1.3	879	0.5
All Other Causes	110,666	24.5	60,867	22.0	49,799	28.4

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

PREGNANCY OUTCOMES

Table PO1. Live Births by Borough of Birth* and Institution, New York City, 2011

Borough and Institution	Births
Manhattan	
Allen Hospital	2,178
Bellevue Hospital Center	1,785
Beth Israel Medical Center	3,956
Columbia Presbyterian Medical Center	4,508
Harlem Hospital Center	1,049
Lenox Hill Hospital	4,183
Metropolitan Hospital Center	1,255
Mount Sinai Hospital	6,232
New York Downtown Hospital	2,765
New York Weill Cornell Medical Center	5,698
NYU Hospital Center - Tisch Hospital	4,654
St. Luke's - Roosevelt Hospital Center / Roosevelt Hospital Division	6,637
St. Luke's - Roosevelt Hospital Center / St. Luke's Division	4
Places other than a hospital or home**	18
Home†	173
Bronx	
Bronx Lebanon Hospital Center	2,398
Jack D. Weiler Hospital of the Albert Einstein College of Medicine	4,026
Jacobi Medical Center	2,089
Lincoln Medical and Mental Health Center	2,297
Montefiore Medical Center, Henry & Lucy Moses Division	9
Montefiore Medical Center, North Division	2,604
North Central Bronx Hospital	1,600
St. Barnabas Hospital	1,227
Women's Health & Birthing Pavilion	55
Places other than a hospital or home**	15
Home†	94
Brooklyn	
Brookdale University Hospital and Medical Center	1,490
Brooklyn Birthing Center	122
Brooklyn Hospital Center	2,128
Coney Island Hospital	1,269
Kings County Hospital Center	2,587
Long Island College Hospital	1,454
Lutheran Medical Center	4,274
Maimonides Medical Center	7,968
New York Methodist Hospital	5,422
University Hospital of Brooklyn	1,510
Woodhull Medical and Mental Health Center	2,127
Wyckoff Heights Medical Center	1,429
Places other than a hospital or home**	25
Home†	395
Queens	
Elmhurst Hospital Center	3,532
Flushing Hospital Medical Center	2,784
Forest Hills Hospital	2,333
Jamaica Hospital Medical Center	2,529
Long Island Jewish Medical Center	5,006
Mount Sinai Hospital of Queens	1
New York Hospital Medical Center of Queens	4,141
Queens Hospital Center	1,998
St. John's Episcopal Hospital	864
Places other than a hospital or home**	14
Home†	104
Foundling‡	1
Staten Island	
Richmond University Medical Center	2,946
Staten Island University Hospital	3,046
Places other than a hospital or home**	11
Home†	10
New York City Total	123,029

*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.

PREGNANCY OUTCOMES

Table PO2. Live Births by Ancestry of Mother and Borough of Residence, New York City, 2011

Ancestry of Mother	Total	Borough of Residence						
		Manhattan	Bronx	Brooklyn	Queens	Staten Island	Non-Residents	Residence Unknown
Total	123,029	19,323	20,465	41,303	26,876	5,519	9,537	6
Hispanic								
Colombian	1,155	94	62	106	765	37	91	–
Cuban	312	78	50	65	70	15	34	–
Dominican	11,100	2,416	5,046	1,673	1,497	102	366	–
Ecuadorian	3,163	208	426	555	1,853	45	76	–
Mexican	7,704	801	1,776	2,332	2,218	485	92	–
Puerto Rican	8,988	1,140	3,656	2,188	1,126	486	391	1
Other Hispanic	5,209	641	1,134	1,214	1,752	139	329	–
North American and the Caribbean								
African American	15,149	1,547	3,581	6,593	2,277	514	635	2
American	10,283	2,454	299	4,074	1,239	891	1,326	–
Guyanese	1,663	13	153	519	910	7	61	–
Haitian	1,741	71	40	1,099	381	19	130	1
Jamaican	2,099	44	473	862	566	14	140	–
Trinidadian	971	20	44	475	382	12	38	–
Other North American and the Caribbean	1,811	199	306	891	282	26	107	–
European								
English	1,730	800	38	520	125	18	229	–
German	933	333	20	239	104	52	184	1
Irish	2,022	543	63	448	293	230	445	–
Italian	3,646	603	165	804	483	915	676	–
Polish	1,305	197	11	349	488	107	153	–
Russian	1,810	343	21	815	316	118	197	–
Other European	4,559	1,054	267	1,529	792	343	574	–
Asian								
Asian Indian	2,117	408	72	212	856	69	500	–
Bangladeshi	1,959	65	320	447	1,098	9	20	–
Chinese	8,786	1,434	87	3,865	2,826	139	435	–
Filipino	959	142	53	141	436	51	136	–
Korean	1,199	348	24	120	534	22	151	–
Pakistani	1,396	76	77	593	459	85	106	–
Other Asian	5,079	921	274	1,849	1,462	189	384	–
Other								
Jewish or Hebrew	6,309	543	60	4,753	320	83	550	–
Other or not stated	7,872	1,787	1,867	1,973	966	297	981	1

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

Table PO3. Live Births by Mother's Ethnic Group and Age, New York City, 2011

Ethnic Group	Total	Age of Mother (Years)								
		< 15	15-17	18-19	20-24	25-29	30-34	35-39	≥ 40	Not Stated
Total	123,029	92	1,901	4,496	22,838	31,571	34,862	20,969	6,299	1
Puerto Rican	8,988	17	368	778	2,572	2,306	1,813	894	240	–
Other Hispanic	28,643	36	849	1,669	6,944	7,914	6,599	3,628	1,004	–
Asian and Pacific Islander	19,399	–	42	137	2,254	6,031	6,384	3,675	876	–
Non-Hispanic white	38,573	3	76	412	4,990	8,256	13,415	8,656	2,765	–
Non-Hispanic black	25,825	32	546	1,434	5,813	6,679	6,213	3,805	1,303	–
Non-Hispanic other	399	1	6	11	73	105	107	72	24	–
Non-Hispanic of two or more races	1,045	2	10	46	162	233	307	209	76	–
Not stated*	157	1	4	9	30	47	24	30	11	1

* See Technical Notes: Births, Birth Data Quality.

PREGNANCY OUTCOMES

Table PO4. Selected Characteristics of Live Births, Overall and by Age of Mother, New York City, 2011

	Total	Age of Mother (Years)								Not Stated
		<15	15-17	18-19	20-24	25-29	30-34	35-39	≥40	
Total Live Births	123,029	92	1,901	4,496	22,838	31,571	34,862	20,969	6,299	1
Sex										
Male	62,809	52	927	2,264	11,702	16,121	17,752	10,788	3,203	-
Female	60,220	40	974	2,232	11,136	15,450	17,110	10,181	3,096	1
First Live Birth*										
Yes	54,854	86	1,779	3,802	13,626	13,369	13,582	6,625	1,985	-
No	68,129	6	119	692	9,207	18,192	21,270	14,331	4,312	-
Unknown	46	-	3	2	5	10	10	13	2	1
Pre-pregnancy Body Mass Index (BMI)										
Underweight (BMI < 18.5)	6,797	3	154	336	1,618	1,919	1,713	862	192	-
Normal weight (18.5 ≤ BMI < 25)	66,594	54	1,082	2,367	11,967	16,547	19,590	11,607	3,380	-
Overweight (25 ≤ BMI < 30)	28,885	25	401	1,060	5,350	7,515	7,973	4,983	1,578	-
Obese (BMI ≥ 30)	19,855	9	235	671	3,696	5,370	5,380	3,383	1,111	-
Unknown	898	1	29	62	207	220	206	134	38	1
Birthweight at Delivery (Grams)										
<1500	1,908	4	33	78	306	437	483	428	139	-
1500-2499	8,690	11	169	377	1,564	1,975	2,340	1,612	642	-
2500-3999	104,496	76	1,634	3,870	19,822	27,217	29,574	17,307	4,996	-
≥4000	7,929	1	65	171	1,145	1,942	2,465	1,619	521	-
Not stated	6	-	-	-	1	-	-	3	1	1
Gestational Age (Weeks)†										
< 32	1,978	6	40	80	339	443	492	448	130	-
32-36	9,442	8	166	339	1,556	2,187	2,630	1,865	691	-
≥ 37	111,595	78	1,695	4,077	20,941	28,938	31,739	18,651	5,476	-
Unknown	14	-	-	-	2	3	1	5	2	1
Plurality										
Single	118,232	90	1,882	4,412	22,271	30,565	33,426	19,774	5,812	-
Twin	4,599	2	19	84	548	964	1,370	1,134	478	-
Triplet	185	-	-	-	15	42	62	57	9	-
Quadruplet	12	-	-	-	4	-	4	4	-	-
Unknown/not stated	1	-	-	-	-	-	-	-	-	1
Apgar Score at 5 Minutes										
≤6	916	3	25	50	163	212	236	171	56	-
7	971	2	15	40	188	237	252	184	53	-
8	5,252	6	90	248	994	1,282	1,347	944	341	-
9	113,458	78	1,728	4,077	21,045	29,210	32,335	19,284	5,701	-
10	2,125	1	33	70	375	545	626	348	127	-
Not stated	307	2	10	11	73	85	66	38	21	1
Method of Delivery										
Vaginal	80,388	76	1,551	3,492	16,806	21,709	21,812	11,888	3,054	-
Vaginal after any prior C-section	2,458	1	4	20	336	687	753	511	146	-
Primary C-section	24,767	14	321	866	4,120	5,665	7,139	4,739	1,903	-
Repeat C-section	15,109	-	16	98	1,517	3,428	5,080	3,793	1,177	-
Unknown	307	1	9	20	59	82	78	38	19	1
Place of Birth										
Home	776	2	7	12	78	196	272	147	62	-
Voluntary hospital	100,404	52	1,286	3,086	17,155	25,404	29,754	18,216	5,451	-
Municipal hospital	21,588	38	603	1,393	5,557	5,891	4,759	2,572	775	-
Birthing center	177	-	2	5	28	61	57	21	3	-
Other	84	-	3	-	20	19	20	13	8	1
Attendant										
Physician	111,437	73	1,553	3,797	19,922	28,361	32,225	19,573	5,933	-
Certified nurse midwife	11,135	17	335	679	2,815	3,086	2,533	1,329	341	-
Other	457	2	13	20	101	124	104	67	25	1
Primary Payer for this Birth‡										
Medicaid/Family Plus/Child Health Plus B/Other govt.	73,122	83	1,686	3,971	19,517	21,585	15,762	8,235	2,283	-
Private	46,880	3	133	330	2,644	9,218	18,369	12,316	3,867	-
Self-pay	1,672	4	49	112	436	423	364	209	75	-
Other	707	-	7	24	126	197	205	106	42	-
Not stated	648	2	26	59	115	148	162	103	32	1
First Visit for Prenatal Care										
First trimester (1-3 months)	85,562	29	877	2,379	14,183	22,095	25,812	15,644	4,543	-
Second trimester (4-6 months)	27,497	34	682	1,475	6,221	6,968	6,741	4,030	1,346	-
Late (7-9 months)	7,539	22	259	501	1,856	1,973	1,741	917	270	-
No care	847	5	45	67	243	187	153	104	43	-
Not stated	1,584	2	38	74	335	348	415	274	97	1
Marital Status of Mother§										
Not married	52,030	91	1,831	3,934	14,666	14,037	10,220	5,385	1,865	1
Married	70,999	1	70	562	8,172	17,534	24,642	15,584	4,434	-
Education Level										
11th grade or less/12th grade no diploma	27,708	92	1,728	2,307	6,892	7,474	5,360	2,965	890	-
High school graduate or GED	27,117	-	156	1,555	7,712	7,628	5,776	3,342	948	-
Some college/associate degree	26,939	-	10	606	6,580	7,998	6,774	3,766	1,205	-
Bachelor's degree	22,816	-	-	6	1,277	5,569	9,029	5,353	1,582	-
Master's degree or higher	18,046	-	-	-	289	2,802	7,824	5,476	1,655	-
Not stated	403	-	7	22	88	100	99	67	19	1
Birthplace of Mother										
United States, including its territories	60,498	73	1,407	3,117	13,107	13,709	16,362	9,733	2,989	1
Foreign	62,511	19	493	1,379	9,728	17,858	18,493	11,234	3,307	-
Not stated	20	-	1	-	3	4	7	2	3	-

* 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.

PREGNANCY OUTCOMES

Table PO5. Selected Characteristics of Live Births by Mother's Ethnic Group, New York City, 2011

	Total	Racial/Ethnic Group of Mother*							
		Puerto Rican	Other Hispanic	Asian	Non-Hispanic White	Non-Hispanic Black	Other	Non-Hispanic, Two or More Races	Not Stated
Total Live Births	123,029	8,988	28,643	19,399	38,573	25,825	399	1,045	157
Sex									
Male	62,809	4,507	14,417	10,000	20,050	13,023	222	514	76
Female	60,220	4,481	14,226	9,399	18,523	12,802	177	531	81
First Live Birth†									
Yes	54,854	3,892	11,596	9,689	17,853	11,020	207	529	68
No	68,129	5,093	17,041	9,707	20,710	14,793	192	516	77
Unknown	46	3	6	3	10	12	-	-	12
Pre-pregnancy Body Mass Index (BMI)									
Underweight (BMI < 18.5)	6,797	307	855	2,351	2,270	928	19	61	6
Normal weight (18.5 ≤ BMI < 25)	66,594	3,509	13,627	13,098	25,709	9,799	234	591	27
Overweight (25 ≤ BMI < 30)	28,885	2,532	8,542	2,943	6,953	7,583	95	220	17
Obese (BMI ≥ 30)	19,855	2,598	5,319	950	3,512	7,241	50	170	15
Unknown	898	42	300	57	129	274	1	3	92
Birthweight at Delivery (grams)									
< 1500	1,908	156	386	202	377	756	8	16	7
1500-2499	8,690	749	1,619	1,393	2,310	2,496	30	79	14
2500-3999	104,496	7,526	24,569	16,982	32,878	21,213	340	874	114
≥ 4000	7,929	557	2,069	822	3,008	1,360	21	76	16
Not stated	6	-	-	-	-	-	-	-	6
Gestational Age (weeks)‡									
< 32	1,978	169	405	194	401	772	9	23	5
32-36	9,442	873	1,977	1,312	2,545	2,610	33	80	12
≥ 37	111,595	7,946	26,259	17,892	35,626	22,441	357	942	132
Unknown	14	-	2	1	1	2	-	-	8
Plurality									
Single	118,232	8,675	27,917	18,805	36,512	24,798	385	990	150
Twin	4,599	310	696	576	1,936	1,006	14	55	6
Triplet	185	3	30	18	113	21	-	-	-
Quadruplet	12	-	-	-	12	-	-	-	-
Unknown/not stated	1	-	-	-	-	-	-	-	1
Apgar Score at 5 Minutes									
≤ 6	916	79	178	88	199	360	5	5	2
7	971	85	201	99	200	375	3	6	2
8	5,252	488	1,119	623	1,324	1,630	18	40	10
9	113,458	8,135	26,559	18,134	36,135	23,036	367	971	121
10	2,125	178	517	432	650	310	6	20	12
Not stated	307	23	69	23	65	114	-	3	10
Method of Delivery									
Vaginal	80,388	5,803	18,856	12,653	26,364	15,663	259	697	93
Vaginal after any prior C-section	2,458	155	553	346	915	464	8	14	3
Primary C-section	24,767	1,829	5,106	3,934	7,404	6,130	97	230	37
Repeat C-section	15,109	1,153	4,042	2,403	3,848	3,510	34	103	16
Unknown	307	48	86	63	42	58	1	1	8
Place of Birth									
Home	776	30	98	38	417	138	9	32	14
Voluntary hospital	100,404	7,103	19,910	16,753	36,859	18,441	342	864	132
Municipal hospital	21,588	1,823	8,581	2,591	1,193	7,199	47	145	9
Birthing center	177	26	36	10	75	24	1	4	1
Other	84	6	18	7	29	23	-	-	1
Attendant									
Physician	111,437	7,929	25,117	18,458	35,216	23,263	370	950	134
Certified nurse midwife	11,135	1,016	3,414	908	3,254	2,410	28	91	14
Other	457	43	112	33	103	152	1	4	9
Primary Payer for this Birth§									
Medicaid/Family Plus/Child Health Plus B/Other govt.	73,122	6,428	22,966	11,932	12,588	18,397	222	485	104
Private	46,880	2,310	4,938	7,187	25,450	6,269	156	537	33
Self-pay	1,672	141	444	138	230	686	9	17	7
Other	707	73	89	78	182	276	7	1	1
Not stated	648	36	206	64	123	197	5	5	12
First Visit for Prenatal Care									
First trimester (1-3 months)	85,562	5,968	18,656	13,742	30,178	15,975	226	736	81
Second trimester (4-6 months)	27,497	2,238	7,471	4,353	6,639	6,411	134	212	39
Late (7-9 months)	7,539	571	2,032	1,062	1,179	2,583	28	70	14
No care	847	104	202	60	110	354	5	6	6
Not stated	1,584	107	282	182	467	502	6	21	17
Marital Status of Mother									
Not married	52,030	6,858	18,895	3,470	4,305	17,832	154	405	111
Married	70,999	2,130	9,748	15,929	34,268	7,993	245	640	46
Education Level									
11th grade or less/12th grade, no diploma	27,708	2,937	11,286	4,762	2,979	5,520	69	141	14
High school graduate or GED	27,117	2,183	6,910	3,614	7,103	7,018	98	177	14
Some college/associate degree	26,939	2,796	6,536	3,032	5,875	8,314	110	261	15
Bachelor's degree	22,816	711	2,596	4,646	11,232	3,283	82	254	12
Master's degree or higher	18,046	355	1,249	3,329	11,302	1,552	37	212	10
Not stated	403	6	66	16	82	138	3	-	92
Birthplace of Mother									
United States, including its territories	60,498	8,948	7,099	1,762	27,037	14,740	152	641	119
Foreign	62,511	40	21,542	17,636	11,530	11,079	247	403	34
Not stated	20	-	2	1	6	6	-	1	4

* 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.

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Table PO6. Live Births by Selected Characteristics and Mother's Ancestry, New York City, 2011

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)	Exclusive Breast Feeding	
Total	123,029	50.8	44.6	8.6	9.3	6.9	42.3	59.7	16.3	5.3	31.0	
Hispanic												
Colombian	1,155	68.8	52.4	6.8	10.2	6.0	48.1	57.0	13.9	5.3	30.2	
Cuban	312	18.9	60.6	8.7	8.7	6.8	51.0	45.5	18.6	7.4	37.9	
Dominican	11,100	69.7	46.3	7.7	8.5	9.1	66.0	79.0	19.3	9.6	25.7	
Ecuadorian	3,163	84.3	35.3	5.7	7.1	8.5	57.0	83.6	14.6	7.8	26.0	
Mexican	7,704	86.4	31.2	5.8	7.6	6.7	76.0	93.2	19.4	10.2	22.8	
Puerto Rican	8,988	0.4	43.3	10.1	11.6	7.6	76.3	71.8	29.0	12.9	25.1	
Other Hispanic	5,209	69.7	41.1	8.0	9.3	7.2	61.4	71.8	20.3	7.3	28.2	
North America and the Caribbean												
African American	15,149	13.2	44.8	13.4	13.9	9.4	78.8	71.5	30.7	10.7	22.1	
American	10,283	5.0	48.1	7.2	7.9	2.9	17.9	30.3	11.6	2.2	46.0	
Guyanese	1,663	92.7	44.3	14.8	13.7	7.9	44.5	65.1	16.2	4.3	21.7	
Haitian	1,741	84.1	42.2	12.1	14.1	14.0	45.0	71.3	24.8	2.3	21.3	
Jamaican	2,099	92.5	41.3	11.1	12.3	13.2	65.5	71.6	27.7	4.2	23.3	
Trinidadian	971	95.5	41.6	13.2	12.7	14.3	55.1	71.0	20.7	3.9	19.8	
Other North America and the Caribbean	1,811	88.2	47.7	10.5	11.1	12.9	49.0	56.4	20.6	2.5	35.5	
European												
English	1,730	26.2	59.9	5.8	7.5	2.1	10.4	6.0	4.9	0.2	58.8	
German	933	20.0	60.3	7.7	8.4	1.4	11.7	9.7	8.5	0.1	51.2	
Irish	2,022	8.8	55.5	6.7	8.9	1.7	13.1	10.5	9.3	0.4	47.6	
Italian	3,646	6.7	53.5	9.4	10.2	2.1	17.3	14.7	14.3	1.2	40.5	
Polish	1,305	65.5	54.3	6.5	7.4	2.5	12.6	36.7	6.2	0.8	42.6	
Russian	1,810	76.0	52.5	6.1	6.5	3.6	18.8	33.4	7.0	0.3	46.5	
Other European	4,559	60.7	52.3	7.1	8.1	4.0	15.2	31.6	7.9	1.0	45.1	
Asian												
Asian Indian	2,117	83.1	56.6	11.8	8.7	4.5	6.5	30.3	6.9	0.4	37.1	
Bangladeshi	1,959	98.7	37.5	11.4	9.1	8.3	7.5	84.5	9.9	1.2	24.7	
Chinese	8,786	92.8	50.1	5.7	6.4	3.9	24.6	72.6	1.5	0.4	14.2	
Filipino	959	80.3	55.0	10.5	10.8	5.4	19.5	27.7	6.1	1.1	32.8	
Korean	1,199	83.3	61.6	5.4	6.4	4.8	9.9	37.2	2.7	0.2	42.1	
Pakistani	1,396	95.2	36.2	10.6	9.3	12.3	4.9	77.3	12.9	1.6	24.7	
Other Asian	5,079	87.1	46.4	7.5	7.3	9.6	12.3	54.3	7.1	2.9	34.7	
Other												
Jewish or Hebrew	6,309	15.5	28.3	5.6	5.2	1.5	3.6	58.6	8.4	1.5	43.6	
Other or Not Stated	7,872	57.9	39.2	9.1	9.4	11.6	27.1	51.8	16.4	2.1	35.5	

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.

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Table PO7. Live Births by Selected Characteristics and Community District of Residence, New York City, 2011

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	Exclusive Breast Feeding	
NEW YORK CITY	123,029	14.9	33.4	50.8	44.6	8.6	9.3	6.9	59.7	16.3	31.0	
MANHATTAN	19,224	12.0	30.6	42.4	55.7	8.7	8.9	5.3	37.8	11.0	39.8	
Battery Park, Tribeca (01)	1,087	17.5	8.7	36.8	62.6	7.3	6.4	2.2	5.6	2.6	54.4	
Greenwich Village, SOHO (02)	803	8.9	9.3	38.4	63.5	7.1	7.3	1.6	14.0	2.4	54.8	
Lower East Side (03)	1,764	10.7	23.0	57.5	50.7	8.2	9.0	5.5	69.4	9.3	25.7	
Chelsea, Clinton (04)	918	8.8	20.2	41.2	64.0	9.8	9.7	4.6	24.0	7.1	48.7	
Midtown Business District (05)	611	11.8	7.8	40.6	65.9	9.0	8.2	2.5	8.8	4.4	50.9	
Murray Hill (06)	1,313	9.2	7.2	40.1	66.7	8.6	9.3	2.6	6.9	4.0	55.1	
Upper West Side (07)	2,706	12.8	15.5	33.6	58.0	8.8	9.1	3.0	13.1	5.6	47.7	
Upper East Side (08)	2,702	12.2	8.0	32.7	61.7	7.5	6.7	1.9	6.2	3.4	39.4	
Manhattanville (09)	1,249	11.3	55.5	49.9	50.1	7.9	8.5	9.4	65.7	19.4	33.3	
Central Harlem (10)	1,746	14.9	27.3	39.9	45.9	11.8	12.0	9.7	65.0	23.2	32.6	
East Harlem (11)	1,672	13.7	56.3	37.9	45.2	10.6	10.9	9.8	71.7	25.5	25.5	
Washington Heights (12)	2,652	13.8	78.6	57.8	50.1	8.1	8.6	8.3	69.0	17.1	34.7	
BRONX	20,564	14.8	60.5	50.9	41.7	9.3	9.6	11.0	79.2	24.1	28.7	
Mott Haven (01)	1,641	17.9	68.5	45.9	37.8	9.8	10.6	11.0	86.2	28.3	21.9	
Hunts Point (02)	941	17.9	72.5	44.4	35.7	8.8	9.4	11.9	85.1	26.9	24.7	
Morrisania (03)	1,458	18.3	54.8	45.2	36.9	10.6	11.7	13.2	83.2	27.3	23.7	
Concourse, Highbridge (04)	2,654	18.1	65.7	60.3	41.3	9.6	10.2	10.6	83.2	24.3	24.7	
University/Morris Heights (05)	2,310	18.0	69.5	57.9	39.7	8.4	8.5	11.3	84.9	24.4	26.6	
East Tremont (06)	1,438	17.2	65.8	41.2	38.1	10.1	9.8	10.6	85.5	27.6	22.3	
Fordham (07)	2,361	16.8	70.8	60.7	42.4	8.6	8.6	10.1	82.3	21.4	40.3	
Riverdale (08)	1,098	10.6	63.0	45.8	49.7	7.6	8.2	6.3	53.4	16.9	40.5	
Unionport, Soundview (09)	2,535	14.7	58.7	48.6	41.4	8.9	9.2	11.9	78.9	23.9	27.1	
Throgs Neck (10)	979	8.0	49.9	33.9	46.6	11.0	12.4	8.5	58.4	22.0	31.9	
Pelham Parkway (11)	1,342	11.7	51.3	51.3	44.9	8.2	8.0	10.2	71.0	21.2	31.1	
Williamsbridge (12)	1,806	11.9	28.7	50.6	47.5	11.1	10.1	14.0	77.8	24.8	31.4	
BROOKLYN	41,303	16.3	22.9	47.8	41.1	8.2	9.2	6.0	67.4	16.6	30.3	
Williamsburg, Greenpoint (01)	3,531	20.1	23.7	19.3	35.1	4.9	5.5	3.4	66.8	11.6	43.8	
Fort Greene, Brooklyn Heights (02)	1,522	15.0	13.6	28.5	62.7	8.3	8.9	3.1	25.3	9.8	47.2	
Bedford Stuyvesant (03)	2,495	16.2	22.9	26.5	39.7	9.4	10.7	8.4	74.7	23.8	27.9	
Bushwick (04)	1,810	15.8	74.5	54.7	39.5	7.0	8.8	7.7	85.0	24.5	19.1	
East New York (05)	2,765	15.0	37.4	45.4	39.0	10.7	12.0	9.0	79.0	29.1	17.5	
Park Slope (06)	1,771	16.6	15.9	22.9	57.4	6.4	8.2	1.9	16.7	6.9	57.3	
Sunset Park (07)	3,030	23.5	33.7	76.8	45.5	6.0	7.0	3.7	79.5	8.2	19.5	
Crown Heights North (08)	1,373	14.1	13.9	37.9	45.3	10.5	13.1	7.5	60.8	22.4	32.5	
Crown Heights South (09)	1,649	16.7	8.8	50.2	40.6	9.7	10.2	8.6	71.9	21.3	39.1	
Bay Ridge (10)	1,786	14.2	19.4	60.7	48.0	6.3	8.3	4.8	54.8	11.7	32.1	
Bensonhurst (11)	2,417	13.1	21.5	75.0	44.5	6.5	7.7	4.7	69.2	11.0	24.9	
Borough Park (12)	5,392	27.9	14.4	41.3	29.1	6.3	6.3	3.0	78.3	8.6	30.4	
Coney Island (13)	1,149	10.9	27.7	62.6	43.1	9.2	10.0	7.6	71.6	16.9	27.6	
Flatbush, Midwood (14)	2,668	16.5	22.4	58.6	38.8	9.0	9.8	6.6	67.3	17.8	31.1	
Sheepshead Bay (15)	1,994	12.4	14.1	62.3	42.3	6.9	7.5	4.6	54.5	12.4	35.4	
Brownsville (16)	1,491	17.2	19.6	31.9	37.1	15.5	16.8	9.7	83.4	30.2	18.3	
East Flatbush (17)	2,046	13.1	7.8	64.1	43.3	13.0	14.2	13.5	75.6	27.7	19.6	
Canarsie (18)	2,409	12.4	9.4	49.9	41.0	10.5	11.7	8.3	58.1	22.9	27.9	
QUEENS	26,876	12.0	35.4	69.5	44.9	8.0	8.7	8.0	66.8	14.8	23.9	
Astoria, Long Island City (01)	2,018	10.5	30.8	59.8	53.2	8.1	9.0	10.7	54.5	15.1	29.5	
Sunnyside, Woodside (02)	1,552	13.6	36.4	72.5	50.5	7.2	7.7	7.6	60.2	10.4	29.5	
Jackson Heights (03)	2,733	15.7	74.2	82.5	39.8	5.8	7.5	9.2	83.1	13.7	21.4	
Elmhurst, Corona (04)	2,780	15.9	58.6	88.1	41.7	6.3	7.2	9.1	85.0	13.2	19.3	
Ridgewood, Glendale (05)	2,072	12.2	45.7	63.7	45.1	5.8	8.0	6.7	62.0	13.8	25.6	
Rego Park, Forest Hills (06)	1,358	11.9	16.6	70.8	53.1	8.6	8.3	3.0	33.0	8.3	31.6	
Flushing (07)	2,799	11.2	18.7	84.4	49.9	6.9	7.7	6.1	71.9	6.8	22.8	
Fresh Meadows, Briarwood (08)	1,738	11.4	19.1	69.6	43.3	8.2	8.2	6.8	55.7	12.1	28.4	
Woodhaven (09)	1,861	12.9	46.3	68.8	43.1	9.3	9.6	7.1	69.9	16.4	19.8	
Howard Beach (10)	1,321	10.7	27.7	63.4	42.4	9.8	10.7	7.7	65.9	16.5	18.3	
Bayside (11)	672	5.7	13.3	71.1	45.4	5.5	6.5	3.5	44.9	7.0	23.7	
Jamaica, St. Albans (12)	2,943	12.9	22.8	56.9	41.5	11.2	11.6	10.2	74.6	23.9	22.1	
Queens Village (13)	1,689	8.9	11.9	60.6	45.6	10.6	10.9	8.5	58.2	22.3	22.4	
The Rockaways (14)	1,339	11.6	29.9	36.7	37.2	8.3	8.4	11.5	68.4	23.5	27.3	
STATEN ISLAND	5,519	11.7	24.4	36.3	40.6	8.2	9.4	3.0	41.7	18.2	32.1	
Port Richmond (01)	2,417	13.6	35.5	41.6	39.1	8.3	9.1	4.1	57.6	20.8	27.7	
Willowbrook, South Beach (02)	1,544	11.7	20.1	42.1	43.1	8.4	10.3	2.7	37.2	16.3	36.9	
Tottenville (03)	1,541	9.6	11.1	22.6	40.3	7.7	8.8	1.7	21.5	15.9	34.0	
NEW YORK CITY RESIDENTS	113,486	13.8	34.7	52.0	44.5	8.5	9.1	7.1	63.1	16.7	30.2	
NON-RESIDENTS	9,537	-	16.9	36.4	45.4	10.5	11.2	4.1	19.7	11.6	40.5	
RESIDENCE UNKNOWN	6	-	-	-	-	-	-	-	-	-	-	

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.

PREGNANCY OUTCOMES

Table PO8. Live Births by Mother's Birthplace and Borough of Residence, New York City, 2011

Birthplace	Total	Borough of Residence					Non-Residents	Residence Unknown
		Manhattan	Bronx	Brooklyn	Queens	Staten Island		
United States.....	59,257	11,000	9,450	21,258	8,063	3,467	6,014	5
Dominican Republic.....	7,805	1,592	3,716	1,210	1,004	59	224	-
China.....	7,775	1,105	78	3,594	2,611	99	288	-
Mexico.....	6,690	688	1,555	1,972	1,982	426	67	-
Ecuador.....	2,682	158	317	457	1,668	31	51	-
Jamaica.....	2,571	54	635	1,040	671	15	156	-
Bangladesh.....	1,948	68	318	451	1,081	11	19	-
Guyana.....	1,839	22	165	638	933	11	70	-
India.....	1,556	222	49	111	732	53	389	-
Haiti.....	1,553	54	34	1,034	305	13	112	1
Trinidad and Tobago.....	1,380	24	58	777	449	24	48	-
Pakistan.....	1,301	59	68	564	440	80	90	-
Puerto Rico.....	1,244	127	592	294	137	47	47	-
Israel.....	975	181	21	540	116	30	87	-
Korea.....	951	241	19	73	478	16	124	-
Russia.....	930	150	14	457	156	61	92	-
Poland.....	860	48	4	246	436	73	53	-
Colombia.....	816	63	40	71	560	25	57	-
Philippines.....	797	103	52	94	399	43	106	-
Uzbekistan.....	793	19	1	381	356	22	14	-
Ukraine.....	790	80	9	485	50	95	71	-
Honduras.....	780	42	339	171	177	22	29	-
El Salvador.....	739	45	105	134	386	6	63	-
Ghana.....	663	20	499	53	56	10	25	-
Canada.....	659	231	13	256	61	6	92	-
Other or Not Stated.....	15,675	2,927	2,314	4,942	3,569	774	1,149	-
Total.....	123,029	19,323	20,465	41,303	26,876	5,519	9,537	6

Table PO9. Live Births by Mother's Birthplace and Age, New York City, 2011

Birthplace	Total	Age of Mother (Years)						Unknown
		<20	20-24	25-29	30-34	35-39	≥40	
United States.....	59,257	4,459	12,820	13,411	16,046	9,576	2,944	1
Dominican Republic.....	7,805	539	1,895	2,146	1,799	1,096	330	-
China.....	7,775	32	1,031	3,078	2,199	1,160	275	-
Mexico.....	6,690	406	1,591	2,125	1,587	809	172	-
Ecuador.....	2,682	155	500	778	730	387	132	-
Jamaica.....	2,571	101	427	686	719	466	172	-
Bangladesh.....	1,948	20	371	664	625	229	39	-
Guyana.....	1,839	61	324	460	559	333	102	-
India.....	1,556	3	108	496	621	280	48	-
Haiti.....	1,553	23	141	326	534	386	143	-
Trinidad and Tobago.....	1,380	43	212	403	386	255	81	-
Pakistan.....	1,301	18	226	511	368	149	29	-
Puerto Rico.....	1,244	138	287	298	316	160	45	-
Israel.....	975	13	116	246	315	228	57	-
Korea.....	951	-	19	147	402	313	70	-
Russia.....	930	3	106	302	278	184	57	-
Poland.....	860	6	60	251	364	148	31	-
Colombia.....	816	23	111	222	255	149	56	-
Philippines.....	797	4	41	163	296	216	77	-
Uzbekistan.....	793	19	222	293	171	75	13	-
Ukraine.....	790	2	54	242	291	149	52	-
Honduras.....	780	41	153	235	210	101	40	-
El Salvador.....	739	37	150	217	204	106	25	-
Ghana.....	663	5	47	157	231	139	84	-
Canada.....	659	8	61	109	233	184	64	-
Other or Not Stated.....	15,675	330	1,765	3,605	5,123	3,691	1,161	-
Total.....	123,029	6,489	22,838	31,571	34,862	20,969	6,299	1

PREGNANCY OUTCOMES

Table PO10. Live Births and Pregnancy Rates* to Teenagers (Age 15-19 Years) by Ethnic Group and Borough of Residence, New York City, 2011

	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	1,993	257	4,304	143,363	13.9	45.7
	18-19	4,496	555	6,998	106,424	42.2	113.2
	Age 15-19	6,489	812	11,302	249,787	26.0	74.5
Ethnic Group†							
Hispanic	15-17	1,270	74	1,507	52,843	24.0	54.0
	18-19	2,447	149	2,388	37,192	65.8	134.0
	Age 15-19	3,717	223	3,895	90,035	41.3	87.0
Asian and Pacific Islander	15-17	42	3	94	16,193	2.6	8.6
	18-19	137	7	211	12,678	10.8	28.0
	Age 15-19	179	10	305	28,871	6.2	17.1
Non-Hispanic White	15-17	79	18	218	30,340	2.6	10.4
	18-19	412	44	527	26,199	15.7	37.5
	Age 15-19	491	62	745	56,539	8.7	23.0
Non-Hispanic Black	15-17	578	82	2,099	41,035	14.1	67.2
	18-19	1,434	192	3,241	28,169	50.9	172.8
	Age 15-19	2,012	274	5,340	69,204	29.1	110.2
NYC Events to NYC Residents‡							
NYC Events to NYC Residents‡	15-17	1,967	246	4,055	143,363	13.7	43.7
	18-19	4,394	522	6,494	106,424	41.3	107.2
	Age 15-19	6,361	768	10,549	249,787	25.5	70.8
Ethnic Group‡							
Hispanic	15-17	1,260	71	1,449	52,843	23.8	52.6
	18-19	2,402	144	2,274	37,192	64.6	129.6
	Age 15-19	3,662	215	3,723	90,035	40.7	84.4
Asian and Pacific Islander	15-17	41	3	88	16,193	2.5	8.2
	18-19	136	7	190	12,678	10.7	26.3
	Age 15-19	177	10	278	28,871	6.1	16.1
Non-Hispanic White	15-17	77	17	184	30,340	2.5	9.2
	18-19	380	41	426	26,199	14.5	32.3
	Age 15-19	457	58	610	56,539	8.1	19.9
Non-Hispanic Black	15-17	566	81	1,995	41,035	13.8	64.4
	18-19	1,410	183	3,030	28,169	50.1	164.1
	Age 15-19	1,976	264	5,025	69,204	28.6	105.0
Borough of Residence							
Manhattan	15-17	208	25	636	17,900	11.6	48.5
	18-19	523	66	1,051	20,600	25.4	79.6
	Age 15-19	731	91	1,687	38,500	19.0	65.2
Bronx	15-17	656	75	1,220	31,386	20.9	62.2
	18-19	1,324	170	1,787	21,949	60.3	149.5
	Age 15-19	1,980	245	3,007	53,335	37.1	98.1
Brooklyn	15-17	637	88	1,294	47,038	13.5	42.9
	18-19	1,490	150	2,043	32,213	46.3	114.3
	Age 15-19	2,127	238	3,337	79,251	26.8	71.9
Queens	15-17	388	44	766	37,812	10.3	31.7
	18-19	905	119	1,380	25,701	35.2	93.5
	Age 15-19	1,293	163	2,146	63,513	20.4	56.7
Staten Island	15-17	78	14	139	9,227	8.5	25.0
	18-19	152	17	233	5,961	25.5	67.4
	Age 15-19	230	31	372	15,188	15.1	41.7
NYC Events to Non-NYC Residents							
NYC Events to Non-NYC Residents	15-17	26	11	249	-	N.A.	N.A.
	18-19	102	33	504	-	N.A.	N.A.
	Age 15-19	128	44	753	-	N.A.	N.A.

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

** In 2011, the number of events to 15-17 year old females and to 15-19 year old females include events to females <18 and <20 years of age respectively. See Technical Notes: Pregnancy Outcome Rates.

† 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.

PREGNANCY OUTCOMES

Table PO11. Live Births to Teenagers (Age < 20 Years), Overall and by Selected Characteristics, New York City, 2007-2011

	Year				
	2007	2008	2009	2010	2011
Total Live Births	128,961	127,680	126,774	124,791	123,029
Percent to Teenagers	6.6	6.6	6.2	5.9	5.3
Population* (Female Age 15-19)	264,464	265,935	265,904	262,878	249,788
Birth Rate† (Age 15-19)	32.1	31.2	28.9	27.4	25.6
Births to Teenagers	8,569	8,423	7,806	7,309	6,489
Percent of Births with Specified Characteristics:					
Hispanic	58.1	59.6	59.7	59.4	59.0
Foreign-born Mother	33.2	31.2	29.2	29.2	29.1
First Live Birth	85.7	86.2	86.2	86.9	87.4
< 2,500 grams	10.2	10.6	9.8	9.5	10.4
Preterm‡	10.2	10.4	10.0	9.6	9.8
Prenatal Care in First or Second Trimester of Pregnancy	88.7	§	§	85.2	85.9
Not Married	89.5	90.1	90.6	90.8	90.2
On Medicaid 	80.1	87.4	88.8	89.5	89.7
Pre-pregnancy Obesity	N/A	15	15.5	15.2	14.3
Infant Mortality Rate¶	6.8	7.6	8.5	8.1	8.8

* 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.

PREGNANCY OUTCOMES

Table PO12. Live Births to Teenagers (Age < 20 Years) by Selected Characteristics by Community District of Residence, New York City, 2009-2011*

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‡	Exclusive Breast Feeding
NEW YORK CITY	21,604	5.8	59.4	29.2	86.8	9.9	9.8	90.6	89.3	21.5
MANHATTAN	2,537	4.3	70.8	28.4	87.2	9.7	10.2	94.3	91.0	24.5
Battery Park, Tribeca (01)	7	0.2	16.7	28.6	100.0	28.6	14.3	100.0	85.7	0.0
Greenwich Village, SoHo (02)	9	0.4	44.4	33.3	100.0	0.0	11.1	77.8	88.9	33.3
Lower East Side (03)	214	3.8	67.5	15.5	88.8	9.3	8.9	93.9	91.0	21.1
Chelsea, Clinton (04)	70	2.5	57.6	12.9	88.6	5.7	7.1	97.1	85.7	30.3
Midtown Business District (05)	24	1.4	45.8	16.7	87.5	0.0	0.0	95.8	95.7	33.3
Murray Hill (06)	20	0.5	45.0	10.0	85.0	15.0	10.0	85.0	88.9	25.0
Upper West Side (07)	137	1.6	62.6	11.7	85.4	10.9	14.6	95.6	88.8	37.3
Upper East Side (08)	62	0.7	57.9	24.2	82.0	11.3	9.7	100.0	95.1	21.0
Manhattanville (09)	340	8.4	72.9	33.8	85.6	8.2	8.3	93.8	89.3	29.7
Central Harlem (10)	443	8.5	40.0	15.8	86.9	10.8	11.1	93.7	90.3	29.0
East Harlem (11)	539	10.6	72.2	21.9	86.1	11.7	11.5	95.0	90.0	20.5
Washington Heights (12)	672	8.4	95.7	49.6	89.1	8.3	9.7	93.8	93.6	20.6
BRONX	6,674	10.4	70.8	25.5	86.4	10.5	9.4	95.1	89.6	25.0
Mott Haven (01)	680	13.3	78.1	23.7	85.7	9.3	9.1	96.3	92.6	25.5
Hunts Point (02)	343	11.8	76.4	21.6	82.8	13.4	9.6	96.8	88.5	24.6
Morrisania (03)	552	12.5	66.4	17.8	85.7	12.3	10.9	94.7	88.8	20.4
Concourse, Highbridge (04)	872	10.5	75.6	32.7	86.9	10.9	10.2	95.1	88.0	22.9
University/Morris Heights (05)	838	11.7	76.0	32.5	85.3	9.1	8.4	95.7	88.5	25.5
East Tremont (06)	576	13.1	70.7	19.8	85.9	12.3	12.2	95.3	89.8	24.8
Fordham (07)	654	9.1	84.4	33.3	83.3	11.3	10.4	95.0	91.2	34.6
Riverdale (08)	184	5.2	87.2	23.5	88.6	10.9	7.1	94.0	87.2	33.3
Unionport, Soundview (09)	768	9.7	70.4	22.0	87.3	9.6	8.2	94.7	92.0	21.4
Throgs Neck (10)	216	7.1	63.7	17.7	92.6	8.3	8.8	92.6	88.4	22.8
Pelham Parkway (11)	333	8.0	66.0	22.5	91.0	7.8	7.2	91.0	90.3	28.3
Williamsbridge (12)	658	11.3	39.2	23.7	87.8	10.6	8.8	96.5	87.2	22.3
BROOKLYN	6,939	5.6	45.1	27.6	86.7	9.9	10.2	86.7	91.1	18.8
Williamsburg, Greenpoint (01)	379	3.7	63.8	15.0	90.5	5.8	5.3	66.8	89.9	28.7
Fort Greene, Brooklyn Heights (02)	162	3.5	37.0	14.2	84.6	8.6	9.9	95.7	91.4	12.5
Bedford Stuyvesant (03)	694	9.3	33.8	15.0	85.5	11.7	11.7	92.4	91.5	16.3
Bushwick (04)	594	10.5	83.8	34.2	83.7	9.6	8.8	94.8	93.2	15.8
East New York (05)	928	11.0	43.3	21.7	86.3	10.3	10.9	95.8	89.2	11.8
Park Slope (06)	148	2.8	57.4	13.5	86.5	8.1	8.8	95.3	89.8	17.7
Sunset Park (07)	426	4.7	86.6	45.3	84.3	9.2	9.6	87.6	93.9	26.1
Crown Heights North (08)	277	6.5	19.2	17.3	86.9	12.3	12.6	94.2	87.4	16.0
Crown Heights South (09)	239	4.8	15.2	33.5	88.2	10.5	11.7	95.8	91.4	14.1
Bay Ridge (10)	143	2.7	52.8	42.6	85.9	10.5	9.1	68.5	92.3	30.5
Bensonhurst (11)	227	3.2	62.3	54.2	88.1	8.8	7.0	76.2	94.7	21.1
Borough Park (12)	445	2.8	56.6	37.8	89.4	4.9	5.8	44.5	89.7	34.7
Coney Island (13)	287	8.0	56.4	23.7	84.0	9.4	10.5	91.3	93.7	19.2
Flatbush, Midwood (14)	359	4.4	49.7	44.3	88.6	10.3	12.0	84.4	90.9	19.7
Sheepshead Bay (15)	236	3.8	32.0	42.4	89.8	6.4	5.9	60.6	85.2	29.9
Brownsville (16)	540	12.1	24.8	13.0	85.8	12.6	12.4	97.0	91.8	12.4
East Flatbush (17)	430	6.6	14.6	32.6	89.5	12.8	11.7	95.8	91.6	15.8
Canarsie (18)	425	5.6	17.3	23.1	86.8	10.8	14.8	93.4	91.3	16.0
QUEENS	4,159	5.1	59.8	40.2	87.4	8.9	9.1	89.3	88.5	17.4
Astoria, Long Island City (01)	286	4.7	65.9	32.2	87.4	9.1	7.3	91.6	90.1	14.5
Sunnyside, Woodside (02)	136	2.9	88.1	55.1	91.2	5.9	5.9	87.5	91.1	9.6
Jackson Heights (03)	572	6.8	92.6	60.9	85.5	5.2	8.9	88.5	93.2	15.9
Elmhurst, Corona (04)	510	6.0	89.7	57.1	86.7	5.5	6.9	90.0	94.3	15.5
Ridgewood, Glendale (05)	302	4.8	78.4	43.0	90.1	8.3	8.6	86.4	86.6	19.7
Rego Park, Forest Hills (06)	37	1.0	39.4	62.2	91.9	2.7	2.7	59.5	91.9	10.8
Flushing (07)	173	2.2	71.0	50.3	87.9	6.4	6.9	90.2	88.4	30.4
Fresh Meadows, Briarwood (08)	129	2.4	46.3	31.8	89.9	13.2	7.8	75.2	82.3	25.6
Woodhaven (09)	349	6.1	74.9	42.8	89.1	8.9	10.6	85.7	89.2	12.9
Howard Beach (10)	219	5.3	44.5	38.8	87.2	11.4	8.7	84.5	84.0	11.5
Bayside (11)	22	1.1	47.6	31.8	86.4	9.1	13.6	68.2	63.6	27.3
Jamaica, St. Albans (12)	743	8.2	28.8	26.7	86.1	11.0	9.4	92.7	86.4	19.4
Queens Village (13)	270	5.3	16.1	29.3	89.3	11.1	10.0	94.1	82.5	19.3
The Rockaways (14)	411	9.8	31.1	15.6	86.1	12.9	13.9	95.1	86.6	19.5
STATEN ISLAND	829	4.9	51.5	24.5	84.1	10.6	11.1	90.0	80.4	22.6
Port Richmond (01)	601	7.9	52.1	24.3	83.5	11.8	11.3	92.7	81.8	21.6
Willowbrook, South Beach (02)	166	3.8	55.9	28.3	86.1	7.8	10.8	83.1	78.3	28.3
Tottenville (03)	61	1.3	34.5	16.4	83.6	6.6	9.8	83.6	73.8	16.4
NEW YORK CITY RESIDENTS	21,138	6.1	59.6	29.4	86.7	9.9	9.8	90.9	89.7	21.3
NON-RESIDENTS	466	1.6	45.8	18.3	89.9	9.9	11.6	75.5	72.3	28.4
RESIDENCE UNKNOWN	-	-	-	-	-	-	-	-	-	-

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: Births, 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.

PREGNANCY OUTCOMES

Table PO13. Live Births, Spontaneous Terminations, and Induced Terminations of Pregnancy, Overall and by Borough of Residence and Age of Woman, New York City, 2011

Borough of Residence / Pregnancy Outcome	Total	Age of Woman (Years)								Unknown or Not Stated
		< 15	15-17	18-19	20-24	25-29	30-34	35-39	≥ 40	
NEW YORK CITY	218,461	425	6,129	12,049	49,550	54,838	52,332	31,982	11,145	11
Live Births	123,029	92	1,901	4,496	22,838	31,571	34,862	20,969	6,299	1
Spontaneous Terminations	14,947	16	241	555	2,446	3,141	3,661	3,110	1,769	8
Induced Terminations	80,485	317	3,987	6,998	24,266	20,126	13,809	7,903	3,077	2
MANHATTAN	34,219	54	815	1,640	6,318	7,196	9,295	6,415	2,483	3
Live Births	19,323	9	199	523	2,259	3,639	6,583	4,537	1,574	-
Spontaneous Terminations	2,388	2	23	66	289	383	623	629	371	2
Induced Terminations	12,508	43	593	1,051	3,770	3,174	2,089	1,249	538	1
BRONX	42,014	142	1,809	3,281	11,775	10,884	8,247	4,377	1,499	0
Live Births	20,465	35	621	1,324	5,248	5,638	4,539	2,367	693	-
Spontaneous Terminations	2,682	6	69	170	600	607	584	400	246	-
Induced Terminations	18,867	101	1,119	1,787	5,927	4,639	3,124	1,610	560	-
BROOKLYN	70,076	138	1,881	3,683	16,982	18,508	16,136	9,525	3,222	1
Live Births	41,303	28	609	1,490	8,983	11,254	10,745	6,351	1,843	-
Spontaneous Terminations	4,664	5	83	150	805	1,065	1,146	907	502	1
Induced Terminations	24,109	105	1,189	2,043	7,194	6,189	4,245	2,267	877	-
QUEENS	46,230	60	1,138	2,404	10,122	12,498	11,294	6,589	2,124	1
Live Births	26,876	13	375	905	4,779	7,735	7,720	4,238	1,111	-
Spontaneous Terminations	3,343	3	41	119	551	759	816	669	385	-
Induced Terminations	16,011	44	722	1,380	4,792	4,004	2,758	1,682	628	1
STATEN ISLAND	8,548	10	221	402	1,626	2,227	2,359	1,302	401	0
Live Births	5,519	5	73	152	771	1,537	1,806	940	235	-
Spontaneous Terminations	676	-	14	17	97	133	191	150	74	-
Induced Terminations	2,353	5	134	233	758	557	362	212	92	-
NON-RESIDENTS	17,361	21	265	639	2,723	3,523	4,998	3,772	1,416	4
Live Births	9,537	2	24	102	796	1,767	3,468	2,535	843	-
Spontaneous Terminations	1,187	-	11	33	102	193	299	354	191	4
Induced Terminations	6,637	19	230	504	1,825	1,563	1,231	883	382	-
RESIDENCE UNKNOWN	13	0	0	0	4	2	3	2	0	2
Live Births	6	-	-	-	2	1	1	1	-	1
Spontaneous Terminations	7	-	-	-	2	1	2	1	-	1
Induced Terminations	0	-	-	-	-	-	-	-	-	-

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

PREGNANCY OUTCOMES

Table PO14. Spontaneous Terminations of Pregnancy by Gestational Age and Age of Woman, New York City, 2011

Gestational Age (Weeks)	Total	Age of Woman (Years)								Unknown or Not Stated
		<15	15-17	18-19	20-24	25-29	30-34	35-39	≥40	
Total	14,947	16	241	555	2,446	3,141	3,661	3,110	1,769	8
<13	12,055	13	182	418	1,943	2,495	2,928	2,555	1,518	3
13-15	812	2	21	35	131	166	188	178	90	1
16-19	910	–	15	44	144	198	248	187	74	–
20-27	760	–	17	41	154	182	185	120	58	3
≥28	368	1	6	12	65	89	103	67	24	1
Not Stated	42	–	–	5	9	11	9	3	5	–

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, 2011

	Total	Age of Woman (Years)								Not Stated
		<15	15-17	18-19	20-24	25-29	30-34	35-39	≥40	
Total	368	1	6	12	65	89	103	67	24	1
Sex										
Male	190	–	4	6	29	52	50	34	14	1
Female	163	1	2	5	35	34	48	30	8	–
Undetermined	15	–	–	1	1	3	5	3	2	–
Weight at Delivery (grams)										
<500	7	–	–	–	2	1	3	1	–	–
500-999	38	–	1	3	9	6	8	10	1	–
1,000-1,499	52	–	1	1	11	11	17	7	4	–
1,500-1,999	72	–	2	2	10	18	18	14	8	–
2,000-2,499	54	–	–	3	14	12	16	7	2	–
≥2,500	123	1	1	3	15	38	34	25	6	–
Not stated	22	–	1	–	4	3	7	3	3	1

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

PREGNANCY OUTCOMES

Table PO16. Selected Characteristics of Spontaneous Terminations of Pregnancy, ≥ 28 Weeks Gestation, Overall and by Ethnic Group of Women, New York City, 2011

	Total	Racial/Ethnic Group of Women						Not Stated
		Puerto Rican	Other Hispanic	Asian and Pacific Islander	Non-Hispanic White	Non-Hispanic Black	Other	
Total	368	25	74	32	81	130	8	18
Sex								
Male	190	16	37	15	37	73	2	10
Female	163	9	34	17	41	51	6	5
Undetermined	15	–	3	–	3	6	–	3
Weight at Delivery (grams)								
< 500	7	1	1	–	2	2	–	1
500-999	38	1	12	2	5	17	–	1
1,000-1,499	52	3	9	9	7	21	1	2
1,500-1,999	72	6	11	5	15	31	2	2
2,000-2,499	54	5	14	5	11	14	1	4
$\geq 2,500$	123	7	24	11	37	40	1	3
Not stated	22	2	3	–	4	5	3	5

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, 2011

Borough of Residence / Pregnancy Outcome	Total	Borough of Occurrence				
		Manhattan	Bronx	Brooklyn	Queens	Staten Island
NEW YORK CITY	203,882	75,802	29,066	52,646	40,145	6,223
Live Births	123,029	45,095	16,414	32,200	23,307	6,013
Spontaneous Terminations	368	110	69	113	58	18
Induced Terminations	80,485	30,597	12,583	20,333	16,780	192
MANHATTAN	31,876	28,366	1,441	1,501	556	12
Live Births	19,323	18,596	356	241	119	11
Spontaneous Terminations	45	43	2	–	–	–
Induced Terminations	12,508	9,727	1,083	1,260	437	1
BRONX	39,413	12,339	25,739	596	729	10
Live Births	20,465	5,112	15,042	126	175	10
Spontaneous Terminations	81	18	63	–	–	–
Induced Terminations	18,867	7,209	10,634	470	554	–
BROOKLYN	65,551	16,801	331	43,922	3,343	1,154
Live Births	41,303	9,925	104	28,976	1,152	1,146
Spontaneous Terminations	139	24	–	108	5	2
Induced Terminations	24,109	6,852	227	14,838	2,186	6
QUEENS	42,944	8,262	319	3,412	30,914	37
Live Births	26,876	5,227	118	1,805	19,690	36
Spontaneous Terminations	57	10	–	–	47	–
Induced Terminations	16,011	3,025	201	1,607	11,177	1
STATEN ISLAND	7,889	1,278	44	1,641	115	4,811
Live Births	5,519	337	6	542	21	4,613
Spontaneous Terminations	17	–	–	1	–	16
Induced Terminations	2,353	941	38	1,098	94	182
NON-RESIDENTS	16,203	8,754	1,190	1,574	4,486	199
Live Births	9,537	5,896	786	510	2,148	197
Spontaneous Terminations	29	15	4	4	6	–
Induced Terminations	6,637	2,843	400	1,060	2,332	2
RESIDENCE UNKNOWN	6	2	2	–	2	–
Live Births	6	2	2	–	2	–
Spontaneous Terminations	–	–	–	–	–	–
Induced Terminations	–	–	–	–	–	–

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

PREGNANCY OUTCOMES

Table PO18. Induced Terminations of Pregnancy by Selected Characteristics and Age of Woman, New York City, 2011

	Total	Age of Woman (Years)								Not Stated
		<15	15-17	18-19	20-24	25-29	30-34	35-39	≥40	
Induced Termination of Pregnancy, All	80,485	317	3,987	6,998	24,266	20,126	13,809	7,903	3,077	2
Ethnic Group										
Hispanic	23,959	112	1,395	2,388	7,925	5,828	3,782	1,878	650	1
Asian and Pacific Islander	4,308	7	87	211	938	1,088	978	687	312	–
Non-Hispanic white	9,550	12	206	527	2,436	2,661	1,817	1,270	620	1
Non-Hispanic black	35,188	148	1,951	3,241	10,814	8,745	5,866	3,254	1,169	–
Other	3,246	20	189	336	1,000	764	540	303	94	–
Unknown	4,234	18	159	295	1,153	1,040	826	511	232	–
Marital Status										
Married	12,716	3	75	254	1,835	3,254	3,490	2,573	1,232	–
Not married	54,121	244	3,223	5,635	18,494	13,500	7,807	3,915	1,302	1
Other/Unknown	13,648	70	689	1,109	3,937	3,372	2,512	1,415	543	1
Gestational Age (Weeks)										
≤6	27,949	58	988	1,945	7,885	7,637	5,253	2,976	1,206	1
7 - 8	24,917	66	1,061	1,994	7,476	6,326	4,444	2,596	954	–
9 - 10	11,430	51	694	1,130	3,561	2,765	1,834	1,016	378	1
11 - 12	5,814	39	399	662	1,924	1,279	863	472	176	–
13 - 15	4,046	32	288	486	1,299	866	555	365	155	–
16 - 20	4,116	45	344	507	1,416	815	570	291	128	–
≥21	2,085	26	211	269	668	414	269	163	65	–
Unknown	128	–	2	5	37	24	21	24	15	–
Type of Primary Termination Procedure										
Suction curettage	59,785	214	2,798	4,954	17,732	15,140	10,556	6,076	2,314	1
Sharp curettage / D+C	1,643	5	57	121	405	373	297	254	131	–
Dilatation and evacuation	8,603	84	741	1,056	2,872	1,765	1,157	655	273	–
Intrauterine instillation	19	1	–	2	4	5	5	1	1	–
Hysterotomy / hysterectomy	11	–	–	–	1	2	3	4	1	–
Medical (non-surgical)	10,362	12	390	865	3,237	2,826	1,778	901	352	1
Other	62	1	1	–	15	15	13	12	5	–

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

Table PO19. Induced Terminations of Pregnancy by Woman's Marital Status, Age, and Ethnic Group, New York City, 2007-2011

	2007	2008	2009	2010	2011
Marital Status (Percent)					
Married	13.9	14.2	14.2	13.6	15.8
Not married	83.6	83.3	83.6	82.5	67.2
Other/Unknown	2.5	2.6	2.2	3.9	17.0
Age of Woman (Years)					
< 15	470	457	461	431	317
15 - 19	14,844	14,276	13,577	12,139	10,985
20 - 24	26,529	25,998	25,365	24,898	24,266
25 - 29	22,389	21,949	21,702	20,707	20,126
30 - 34	14,171	14,459	14,330	14,009	13,809
35 - 39	8,802	8,665	8,324	8,047	7,903
≥40	3,242	3,247	3,176	3,199	3,077
Unknown	423	418	338	320	2
Ethnic Group					
Hispanic	28,896	28,921	28,364	27,112	23,959
Asian and Pacific Islander	5,444	5,557	5,212	4,761	4,308
Non-Hispanic white	10,221	10,451	9,853	9,220	9,550
Non-Hispanic black	42,814	41,857	40,798	38,574	35,188
Other	518	396	349	607	3,246
Unknown	2,977	2,287	2,697	3,476	4,234
Total	90,870	89,469	87,273	83,750	80,485

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

PREGNANCY OUTCOMES

Table PO20. Most Popular Baby Names by Sex, New York City, Selected Years

Rank	Girls										
	1898	1928	1948	1980	1990	2000	2005	2008	2009	2010	2011
1	Mary	Mary	Linda	Jennifer	Stephanie	Ashley	Emily	Sophia	Isabella	Isabella	Isabella
2	Catherine	Marie	Mary	Jessica	Jessica	Samantha	Ashley	Isabella	Sophia	Sophia	Sophia
3	Margaret	Annie	Barbara	Melissa	Ashley	Kayla	Kayla	Emily	Mia	Olivia	Olivia
4	Annie	Margaret	Patricia	Nicole	Jennifer	Emily	Sarah	Olivia	Emily	Emily	Emma
5	Rose	Catherine	Susan	Michelle	Amanda	Brianna	Isabella	Sarah	Olivia	Madison	Mia
6	Marie	Gloria	Kathleen	Elizabeth	Samantha	Sarah	Samantha	Madison	Madison	Mia	Emily
7	Esther	Helen	Carol	Lisa	Nicole	Jessica	Sophia	Ashley	Sarah	Emma	Madison
8	Sarah	Teresa	Nancy	Christina	Christina	Nicole	Nicole	Mia	Ashley	Leah	Leah
9	Frances	Joan	Margaret	Tiffany	Melissa	Michelle	Olivia	Samantha	Leah	Sarah	Chloe
10	Ida	Barbara	Diane	Maria	Michelle	Amanda	Rachel	Emma	Emma	Chloe	Sofia

Rank	Boys										
	1898	1928	1948	1980	1990	2000	2005	2008	2009	2010	2011
1	John	John	Robert	Michael	Michael	Michael	Michael	Jayden	Jayden	Jayden	Jayden
2	William	William	John	David	Christopher	Justin	Daniel	Daniel	Daniel	Ethan	Jacob
3	Charles	Joseph	James	Jason	Jonathan	Christopher	Joshua	Michael	Ethan	Daniel	Ethan
4	George	James	Michael	Joseph	Anthony	Matthew	David	Matthew	Michael	Jacob	Daniel
5	Joseph	Richard	William	Christopher	David	Daniel	Justin	David	David	David	Michael
6	Edward	Edward	Richard	Anthony	Daniel	Anthony	Matthew	Joshua	Justin	Justin	Matthew
7	James	Robert	Joseph	John	Joseph	Joshua	Anthony	Justin	Matthew	Michael	Justin
8	Louis	Thomas	Thomas	Daniel	Matthew	David	Christopher	Anthony	Joshua	Matthew	David
9	Francis	George	Stephen	Robert	John	Joseph	Joseph	Christopher	Alexander	Joseph	Aiden
10	Samuel	Louis	David	James	Andrew	Kevin	Nicholas	Ethan*	Christopher	Joshua	Alexander

* Tied ranks.

Table PO21. Most Popular Baby Names by Sex and Mother's Ethnic Group, New York City, 2011

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	Michael	Ethan
2	Mia	London	Emma*	Chloe	Justin	Aiden	Joseph	Jayden
3	Sophia	Kayla	Olivia*	Emily	Jacob	Elijah	Jacob	Ryan
4	Ashley	Chloe	Leah	Olivia	Matthew	Jeremiah	David	Justin
5	Camila	Aaliyah	Sophia	Emma	Angel	Joshua	Benjamin	Lucas
6	Sofia	Makayla	Chaya	Isabella	Ethan	Ethan	Moshe	Jason
7	Emily	Nevaeh	Sarah	Tiffany	Christopher	Josiah	Daniel	Aiden
8	Hailey	Gabrielle	Rachel	Ashley	Daniel	Isaiah	Alexander	Kevin
9	Leah	Taylor	Ava	Fiona	Alexander	Tyler	Matthew	Eric
10	Madison	Jada*	Isabella	Angela	Anthony	Michael	Jack	Daniel
		Olivia*	Chana					
		Serenity*						

* Tied ranks.

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

**SUMMARY OF VITAL STATISTICS
2011
THE CITY OF NEW YORK
Appendix B**

**Technical Notes and
New York City Vital Event Certificates**

**BUREAU OF VITAL STATISTICS, NEW YORK CITY DEPARTMENT OF HEALTH AND MENTAL HYGIENE
125 WORTH STREET, CN 7, NEW YORK, NEW YORK, 10013**

FEBRUARY 2013

POPULATION

CITYWIDE POPULATION

The 2011 NYC population estimates used in tables and figures are based on the US Census Bureau 2011 Vintage population estimate as of July 1, 2011 extracted from <http://www.census.gov/popest/data/counties/asrh/2011/files/CC-EST2011-ALLDATA-36.csv>. The 2011 US Census population estimate for New York City is 8,244,910. Tables and figures displaying citywide rate trends between 2002 and 2011 use population denominators extracted from <http://www.census.gov/popest/data/intercensal/county/files/CO-EST00INT-ALLDATA-36.csv> for data through 2010 and the above mentioned link for 2011 data. (See page 2 for 2011 NYC population estimates by age, race/ethnicity and sex).

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. New York City's Department of City Planning (DCP) collapses these groups into seven categories: (1) Hispanic origin, (2) non-Hispanic white, (3) non-Hispanic black, (4) non-Hispanic Asian or Pacific Islander, (5) non-Hispanic American Indian and Alaska Native, (6) non-Hispanic of some other race, and (7) 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 POPULATION ESTIMATES

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.

2000-2010 Community District estimates

Community District population estimates for the years 2000-2010 use population estimates from Census 2000 and Census 2010 and the official Census intercensal estimates by county, age, race, and sex. To calculate individual year's Community District estimates beginning with July 1st, 2000, an interpolation by Community District, age, race, and sex was adjusted to the county, age, race, and sex numbers using an iterative proportional fitting procedure. Each year through 2009 was constructed from an interpolation based on the previous year and Census 2010. The July 1st, 2010 numbers were then extrapolated using July 1st, 2009 and Census 2010 and then adjusted to the July 1st intercensal numbers. These estimates differ from the 2000-2010 estimates used in the 2010 Summary (see Historical Technical Notes at end of Appendix B) because they are adjusted to official intercensal estimates consistent with Census 2010 released in October 2012.

2011 Community District estimate

The 2011 Community District estimates were calculated by adjusting the July 1st 2010 estimate to the Census postcensal estimate for July 1st 2011 released in May 2012. (See Historical Technical Notes for previous years' methods).

AGE CATEGORIES

For life expectancy computations, single-year age group populations were based on decennial census counts. Life expectancies for 2001-2009 have been updated from previous Summary using linear interpolation of single-year age group populations based on 2000 and 2010 census counts. Life expectancies for 2010 are calculated based on 2010 census population.

Since 2010, rates of teen events (15-17, 18-19) require population data with 22 age groups as opposed to the standard 18 provided by the census. As a result, 22-age group population estimates are calculated and provided by Bureau of Epidemiology Services based on Census Bureau's estimates.

Population Estimates by Age, Mutually Exclusive Race and Hispanic Origin, and Sex, New York City, 2011

Age in Years	All						Hispanic			Non-Hispanic White			Non-Hispanic Black			Asian and Pacific Islander			Other or Multiple Race			
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	
	All Ages	8,244,910	3,925,356	4,319,554	2,373,305	1,151,797	1,221,508	2,749,894	1,333,907	1,415,987	1,890,616	849,457	1,041,159	1,087,184	522,705	564,479	143,911	67,490	76,421	18,696	9,651	9,045
Under 5	534,206	273,421	260,785	186,304	95,240	91,064	151,218	77,600	73,618	118,596	60,250	58,346	59,392	30,680	28,712	18,696	9,651	9,045	12,412	6,233	6,179	
5-9	476,997	243,962	233,035	167,589	85,399	82,190	126,852	65,484	61,368	113,855	57,688	56,167	56,289	29,158	27,131	12,412	6,233	6,179	10,671	5,411	5,260	
10-14	464,675	236,767	227,908	165,062	84,112	80,950	110,119	56,611	53,508	123,493	62,218	61,275	55,330	28,415	26,915	10,671	5,411	5,260	10,170	5,031	5,139	
15-19	507,082	257,294	249,788	185,225	95,190	90,035	114,403	57,864	56,539	138,524	69,320	69,204	58,760	29,889	28,871	10,170	5,031	5,139	11,876	5,441	6,435	
20-24	644,009	315,463	328,546	209,248	108,538	100,710	187,952	87,801	84,824	152,135	73,720	78,415	82,798	39,963	42,835	11,876	5,441	6,435	13,497	5,976	7,521	
25-29	744,521	357,135	387,386	207,949	106,429	101,520	277,697	131,873	145,824	139,589	63,889	75,700	105,789	48,968	56,821	13,497	5,976	7,521	11,561	5,090	6,471	
30-34	679,773	329,964	349,809	194,538	97,829	96,709	242,148	122,466	119,682	130,050	57,716	72,334	101,476	46,863	54,613	11,561	5,090	6,471	9,416	4,301	5,115	
35-39	580,635	282,728	297,907	171,040	85,260	85,780	190,287	98,781	91,506	119,739	52,091	67,648	90,153	42,295	47,858	9,416	4,301	5,115	8,951	4,119	4,832	
40-44	570,739	276,745	293,994	167,191	81,444	85,747	178,153	93,320	84,833	132,858	57,992	74,866	83,586	39,870	43,716	8,951	4,119	4,832	8,514	3,992	4,522	
45-49	562,350	270,391	291,959	158,049	74,677	83,372	168,728	88,347	80,381	144,622	63,663	80,959	82,437	39,712	42,725	8,514	3,992	4,522	7,753	3,541	4,212	
50-54	546,030	257,390	288,640	140,360	64,464	75,896	178,506	89,516	88,990	140,095	61,217	78,878	79,316	38,652	40,664	7,753	3,541	4,212	6,227	2,850	3,377	
55-59	488,048	225,108	262,940	117,056	51,951	65,105	178,539	86,832	91,707	116,838	49,722	67,116	69,388	33,753	35,635	6,227	2,850	3,377	4,903	2,148	2,755	
60-64	433,651	194,929	238,722	96,333	41,623	54,710	177,095	83,235	93,860	98,905	41,077	57,828	56,415	26,846	29,569	4,903	2,148	2,755	3,204	1,390	1,814	
65-69	306,242	132,860	173,382	69,996	29,379	40,617	124,349	56,694	67,655	73,335	28,853	44,482	35,358	16,544	18,814	3,204	1,390	1,814	2,397	996	1,401	
70-74	238,747	100,621	138,126	52,667	21,208	31,459	100,969	44,793	56,176	55,136	20,796	34,340	27,578	12,828	14,750	2,397	996	1,401	1,581	629	952	
75-79	179,317	72,759	106,558	37,732	14,059	23,673	81,354	35,254	46,100	38,967	13,828	25,139	19,683	8,989	10,694	1,581	629	952	1,025	369	656	
80-84	141,648	52,585	89,063	25,532	8,829	16,703	74,997	29,585	45,412	27,282	8,522	18,760	12,812	5,280	7,532	1,025	369	656	1,057	322	735	
85 & Over	146,240	45,234	101,006	21,434	6,166	15,268	86,528	27,851	58,677	26,597	6,895	19,702	10,624	4,000	6,624	1,057	322	735				

Data Source: US Census Bureau, population estimates, 2011.

DEMOGRAPHIC CHARACTERISTICS OF VITAL EVENTS

AGE AT DEATH

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

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 and 2008, the death and birth certificates respectively allow for the selection of multiple 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 and Pacific Islander, 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.

Infant Mortality

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.

GEOGRAPHICAL UNITS

RESIDENCY STATUS IN DATA PRESENTATION

Tables that stratify by location of residence (e.g., borough) separate data for nonresidents and residence-unknown categories. See Appendix, 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.

Vital events 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 (Report: Figures 4 and 5; Appendix Tables M24, M25, and Figure M14). Life expectancy calculations use national data from the NCHS, including deaths to New York City residents that occurred outside of New York City. For more information see Life Expectancy.

BIRTHPLACE PRESENTATION

Mortality Data

Decedent's birthplace is reported by country. American Samoa, Northern Mariana Islands, US Virgin Islands and Guam are included in United States.

Infant Mortality

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

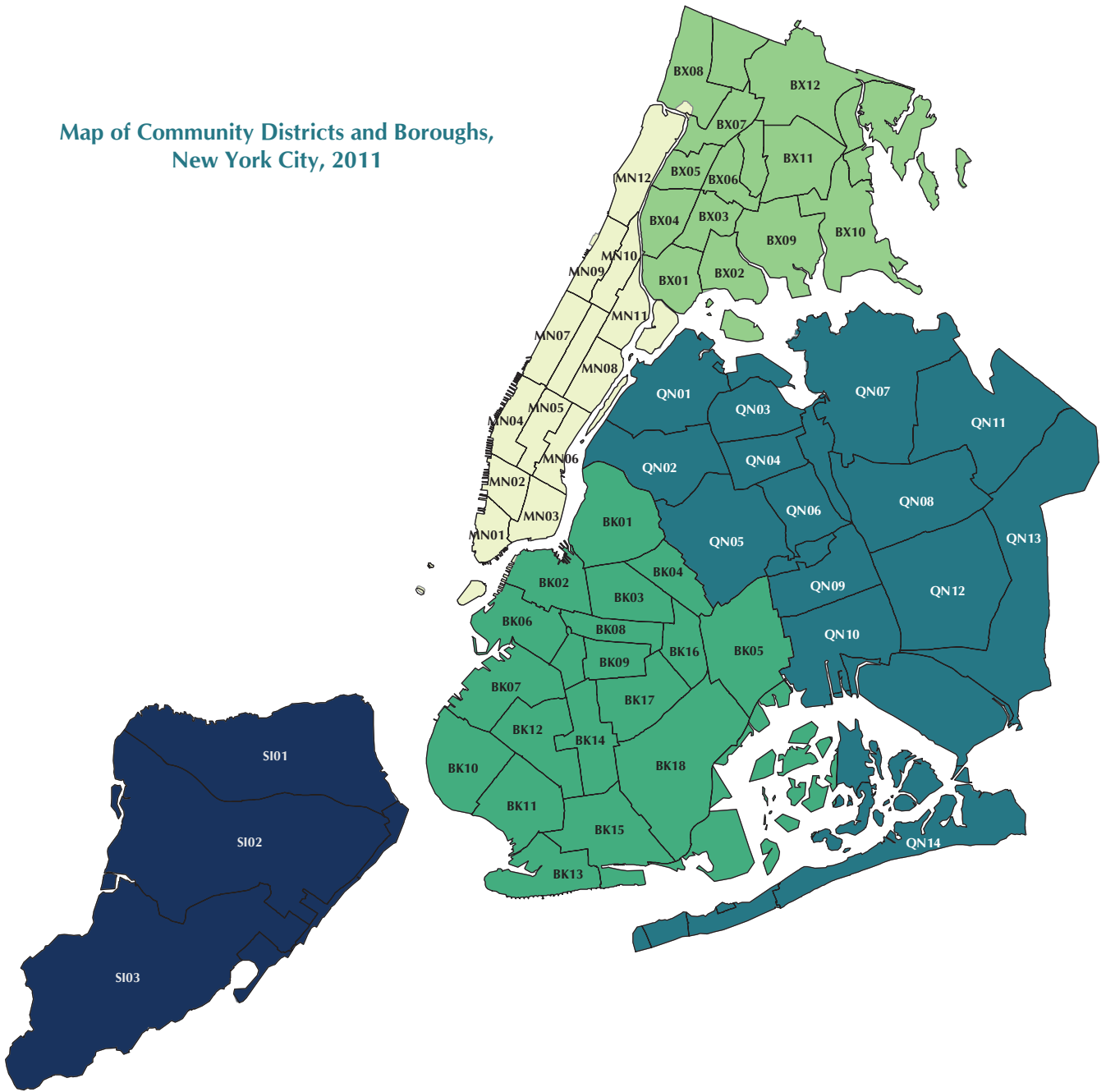
BOROUGH OF RESIDENCE

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

COMMUNITY DISTRICT (CD)

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.

Map of Community Districts and Boroughs,
New York City, 2011



TECHNICAL NOTES, 2011

VITAL EVENT RATES

DEATH RATES

<p>Death Rate, all causes per 1,000 population</p> $\frac{\text{Deaths All Causes}}{\text{Population}} \times 1,000$	<p>Death Rate, specified causes per 100,000 population</p> $\frac{\text{Deaths due to Specific Cause (specified ICD10 codes)}}{\text{Population}} \times 100,000$
<p>Death Rate, age and sex specific per 1,000 population</p> $\frac{\text{Deaths to persons of specified age group and sex}}{\text{Population, specified age group and sex}} \times 1,000$	<p>Death Rate, age, sex and race-adjusted per 100,000</p> <p>The number of deaths per 100,000 US standard population. Age, sex and race/ethnicity specific death rates are applied to a standard population age distribution eliminating the effect of differences in population age composition, and allowing comparisons over time and between geographic areas.</p>
<p>Maternal Mortality Ratio – World Health Organization Definition (Appendix M13)</p> $\frac{\text{Deaths due to complications of pregnancy, childbirth and the puerperium occurring within 42 days of delivery}^*}{\text{Live births}} \times 100,000$	
<p>*Deaths of a woman while pregnancy or within 42 days of termination of pregnancy from any cause related to or aggravated by pregnancy or its management (ICD10 codes: O00-O95, O98-O99, A34)</p>	

INFANT MORTALITY RATES

<p>Infant Mortality Rate</p> $\frac{\text{Deaths to infants < 1 year old}}{\text{Number of live births}} \times 1,000$	<p>Neonatal Mortality Rate</p> $\frac{\text{Deaths to infants < 28 days of life}}{\text{Number of live births}} \times 1,000$
<p>Early Neonatal Mortality Rate</p> $\frac{\text{Deaths to infants < 7 days of life}}{\text{Number of live births}} \times 1,000$	<p>Late Neonatal Mortality Rate</p> $\frac{\text{Deaths to infants 7 – 27 days of life}}{\text{Number of live births}} \times 1,000$

Infant deaths counted in the numerator and live births counted in the denominator are defined by the same calendar year. Some infants counted in the numerator were born in the preceding year and some counted in the denominator may die in the following year.

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. In the absence of a birth certificate, demographics are limited to those available on the death certificate. Infants who died in New York City who were born elsewhere are classified as unmatched in Appendix: Table I2.

PREGNANCY OUTCOME RATES

<p><u>FERTILITY RATE</u></p> $\frac{\text{Live births}}{\text{Female population aged 15 – 44 years}} \times 1,000$	<p><u>PREGNANCY RATE</u></p> $\frac{\Sigma (\text{Births, Spontaneous, Induced Terminations})}{\text{Female population of specific age group}} \times 1,000$
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<u>BIRTH RATES</u>	
<p><u>Total birth rate</u></p> $\frac{\text{Total births}}{\text{Total population regardless of age or sex}} \times 1,000$	<p><u>Age-specific birth rate</u></p> $\frac{\text{Births among specific age group}}{\text{Female population of specific age group}} \times 1,000$
<p>DOHMH follows the NCHS standard for computing age-specific birth rates by including in the youngest age-specific rate group all births occurring in females younger than the range and in the oldest age-specific group, all births occurring to females older than the range. For the birth rate to females age 15 to 19, rates are computed by relating the number of events to females < 20 to female population age 15 to 19. Starting in 2011, birth rates to females age 40 to 44 are replaced by birth rates to females age 40 to 49. Due to the increased number of births occurring to older women, these rates are computed by relating the number of events to females 40 and over to the female population age 40 to 49. Age 40 to 49 replaced 40 to 44 in the age-specific birth rate denominator starting in 2011.</p>	

TECHNICAL NOTES, 2011

<u>SPONTANEOUS AND INDUCED TERMINATION OF PREGNANCY RATES</u>	
<u>Total spontaneous termination rate</u>	<u>Age-specific spontaneous termination rate</u>
$\frac{\textit{Total spontaneous terminations}}{\textit{Female population age 15 to 44}} \times 1,000$	$\frac{\textit{Spontaneous terminations among specific aged females}}{\textit{Female population of specified age group}} \times 1,000$
<u>Total induced termination of pregnancy rate</u>	<u>Age-specific induced termination of pregnancy rate</u>
$\frac{\textit{Total induced terminations}}{\textit{Female population age 15 to 44}} \times 1,000$	$\frac{\textit{Induced terminations among specific aged females}}{\textit{Female population of specified age group}} \times 1,000$

DEATHS

DEATH CERTIFICATE (see copies in back of Appendix B)

There are two forms, one for natural causes and one for medical examiner cases. The current revisions of the death certificate, implemented in 2004, is based on the recommended 2003 US Standard Certificate of Death

<http://www.cdc.gov/nchs/data/dvs/DEATH11-03final-ACC.pdf>

- 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 the 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/year.

The two forms are similar (see copies at back of Appendix B). 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.

DEATH REPORTING

The death events reported are based on certificates filed with the New York City Department of Health and Mental Hygiene (DOHMH) for vital events occurring in or in-route to New York City, regardless of individual residency status, in a particular year. Any events registered after file closure (typically occurring within 5 months of year-end) are excluded from this report. Such late registrations are rare.

Death certificates must be filed within 72 hours of death or finding the body. During 2011, 93% of death certificates were filed electronically using the Electronic Vital Events Registration System (EVERS). Additional information on EVERS is available at: www.nyc.gov/EVERS. Since the June 1993 revision of the death certificate, decedent race and ancestry information is reported by funeral directors.

TYPE OF 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.

CAUSE OF DEATH REPORTING

The cause of death on the death certificate is completed by a physician, medical examiner or, as of January 16, 2012, by a nurse practitioner. The clinician 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 trends. See the NYC Summary of Vital Statistics 2010, Special Section, for more information.

TECHNICAL NOTES, 2011

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. Causes of death that cannot be coded by SuperMICAR are investigated and coded by nosologists.

Prior to 2007, a large proportion of accidental drug related deaths (X40-X42, X44) were miscoded as chronic drug use (F11-F16, F18-F19). For a full explanation, see the 2007 Annual Summary of Vital Statistics-Special Report: NYC Changes from Manual to Automated Cause of Death Coding, pg. 73-75.

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 change as an artifact 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 trends for the cause of death when a new version of the ICD is implemented. They are presented in the Appendix 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:

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

More information on the ICD-10/ICD-9 comparability ratio can be found at http://www.cdc.gov/nchs/nvss/mortality/comparability_icd.htm

ALCOHOL-RELATED DEATHS

Alcohol-Related Deaths (Mortality Figure 24) Following an increasing deaths due to binge drinking, the ICD codes for alcohol-related deaths were reevaluated by the World Health Organization's Mortality Reference Group and a coding change was implemented in 2008. Core changes included recoding acute alcoholism, previously coded as F10.2, to X45 (alcohol poisoning) and retiring F100 and going forward coding such cases as X45. This resulted in an increase in alcohol liver disease and alcohol poisoning and a decrease in alcohol dependence syndrome. A subsequent decrease in alcohol liver disease between 2008 and 2009 is, in part, a result of further corrections to coding applied in 2009. Similar changes are seen in US data.

Alcohol-Attributable Mortality (Appendix Table M14) Alcohol-attributable deaths in Appendix Table M14 represent the number of New York City deaths attributed to alcohol. Alcohol-attributable mortality (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 the 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>.

COMPLICATIONS OF MEDICAL AND SURGICAL CARE (Appendix Table M22)

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.

DRUG-RELATED DEATHS

Two definitions of drug-related deaths are presented in this report. The first, “Mental and behavioral disorders due to the use of or 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 and presented among the leading causes of death. The second definition, “Accidental/unintentional Drug-related Overdose Deaths” is presented in the Executive Summaries of Summary of Vital Statistics, starting in 2009 and in this 2011 Mortality Report.

Mental and behavioral disorders due to use of or accidental poisoning by psychoactive substance excluding alcohol and tobacco (Mortality Tables 1-5 Figures 9-12, Appendix Tables M1, M7-M12 and M26): also called “Use of or poisoning by psychoactive substance” or “Drug Use/Poisoning” 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 1-5 Figures 9-12, Appendix Tables M1, M7-M12 and M26. “Accidental poisoning by psychoactive substances, excluding alcohol and tobacco,” the “accidental” subset of underlying codes (X40-X42, X44) are reported in Appendix 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 Appendix 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. For more information on coding error, please see Cause of Death Coding.

Unintentional Drug-related Deaths (Mortality: Figure 31) is the definition used in Take Care New York (TCNY). Reported in the Summary since 2008, the definition has changed. Starting in 2011 Summary, the definition of Unintentional Drug-related Deaths has 2 modifications from “Drug Use/Poisoning”: (i) restricted to deaths among individuals ages 15 ≤ 84; (ii) restricted to deaths confirmed by medical examiner to be accidental. This definition has changed since 2008 after extensive review of drug related death case files.

Deaths due to alcohol are reported separately. See Alcohol-Related Deaths above.

EXTERNAL CAUSES OF DEATH (Mortality figures 28-21; Appendix M18-M23)

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 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.

Information on errors in coding external causes of death prior to 2007 are described above: Cause of Death Coding.

FATAL OCCUPATIONAL INJURIES (Mortality Figure 27, Table 6; Appendix Table M17 and Figure M12)

Appendix, Table M17 and Figure M12 are based on US Department of Labor’s Bureau of Labor Statistics. These deaths, unlike NYC Vital statistics, are based on the location of the injury, regardless of the residence of the decedents or location of the death. Note that these deaths may or may not occur at the time of injury, they can occur subsequently. 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, the Bureau of Vital Statistics (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.

HIV AND AIDS MORTALITY (Mortality Tables 1-5; Figures 9-12, 25, 26; Appendix M16)

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, replacing AIDS and other HIV infections in ICD 9th revision.

HOMICIDE (Mortality Figure 32; Appendix M20)

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) for a number of reasons outlined below. Nonetheless, reported trends are similar. All homicides are medical examiner (ME) cases.

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. ICD-10 defines legal intervention as “including injuries inflicted by police or other law-

TECHNICAL NOTES, 2011

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 Appendix 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 murder crimes known to have been committed in New York City regardless of where the death occurred. Note, the crime may or may not have occurred at the time of death; death can occur subsequently and therefore potentially in a different jurisdiction than the murder crime. 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 5 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.

MATERNAL DEATH AND MATERNAL MORTALITY (Appendix M13)

Deaths due to "Maternal Causes" meet the World Health Organization's definition of maternal mortality: "death 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).

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 Appendix A, Table M1 under Assault (homicide): ICD-10 Code U02. The total number of WTC deaths is 2,752. The number does not include 3 deaths that occurred outside of NYC. 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.

LIFE EXPECTANCY (Mortality Figures 4, 5; Appendix Tables M24, M25)

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. The mortality experience for the census year, the year before, and the year after is used to smooth statistical variation.

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

Appendix, 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 2011 because national data on deaths to New York City residents occurring 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.

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YEARS OF POTENTIAL LIFE LOST (Mortality Figure 12, Table 5; Appendix M26)

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:

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

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.

PREGNANCY OUTCOMES

BIRTHS

BIRTH CERTIFICATE (see copy in back of Appendix B)

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.

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.

BIRTH REPORTING

The birth events reported are based on certificates filed with the New York City Department of Health and Mental Hygiene (DOHMH) for vital events occurring in or in-route to New York City, regardless of individual residency status, in a particular year. Births must be filed within five business days of the event. Birth 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 Vital Events Registration System (EVERS). In 2011, more than 99% of all births were registered electronically through the Electronic Vital Events Registration System (EVERS). Any events registered after file closure (typically occurring within 5 months of year-end) are excluded from this report. Such late registrations are rare.

DATA PRESENTATION

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

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.

Appendix: Table PO1 describes 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.

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. As a result, marital status is 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. Married parents have a right to have both their names on their child's birth certificate. This applies equally to married opposite-sex parents and same-sex parents. Some hospitals require proof of marriage. If the mother is not married, a father's name may be added through an Acknowledgment of Paternity or court order.

TEEN BIRTHS

See Age-specific birth rate under VITAL EVENT RATES, above.

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 Appendix, 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.

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SPONTANEOUS AND INDUCED TERMINATIONS OF PREGNANCY REPORTING

SPONTANEOUS TERMINATION OF PREGNANCY CERTIFICATE (see copy in back of Appendix B)

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 purpose.

INDUCED TERMINATION OF PREGNANCY CERTIFICATE (see copy in back of Appendix B)

Induced termination of pregnancy certificates are not issued. Data are collected for the compilation of public health statistics and scientific purpose.

The spontaneous and induced termination of pregnancy events reported are based on certificates filed with the New York City Department of Health and Mental Hygiene (DOHMH) for vital events occurring in or in-route to New York City, regardless of individual residency status, in a particular year. By law, all terminations of pregnancy are to be reported within 5 business days of the event, unless a permit to dispose of the conceptus is required (≥ 24 week gestation) or requested (any gestational age). In such a case, the event must be reported within 24 hours. However, the number of induced and spontaneous terminations filed depends to some extent on the outreach conducted by BVS. Effective January 1, 2011, all facilities that report births electronically to the Department pursuant to Public Health Law 203, are required to report spontaneous terminations electronically via the Electronic Vital Events Registration System (EVERS); the Chief Medical Examiner and all facilities reporting 100 or more induced terminations of pregnancy per year also are required to file electronically via EVERS; all facilities that have commenced reporting electronically, regardless of number of events reported are required to do so electronically. In 2011, 99% of induced terminations of pregnancy and 99% of spontaneous terminations of pregnancy were filed electronically. Otherwise, paper forms, authorized by the department may be used for reporting such events.

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HISTORICAL TECHNICAL NOTES

POPULATION		
Technical Note Section	Description	Summary Year Affected
Citywide	Tables and figures with single-year data use 2010 Census population count. Tables and figures with 2001-2010 data use intercensal population estimates determined by NYC Department of City Planning (DCP) as of July 1, 2010.	2010
	The 2007-2009 Annual Summaries used the 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 used 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: $\frac{pop(t1)}{pop(t0)} = e^{rt}$ (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	Community district population estimates by sex and 18 age groups were derived by the New York City Department of City Planning. For community district data by race/ethnicity and 22 age groups for the same period, DOHMH Bureau of Epi Services constructed estimates from the DCP data 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 were used. Because the 2010 modified race summary file was not available from the Census for single-year age by modified race groups, DOHMH used Census summary file 1 and adjusted the dataset to match the Census modified race summary file. To create the modified race groups, the "some other race" group was removed and race is imputed. While the modified race summary file created by the Census used information from other members of the same household, the DOHMH used race information from the corresponding Census tract. The race distribution was then modified to match the 2010 modified race summary file.	2010
	Community District population estimates for intercensal years use United States Census Bureau Population Estimate Program and housing unit data from the New York City Department of City Planning. The "housing unit method" of estimation allocates the population to Community Districts. The method multiplies the	2008-2009

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	<p>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 United States Census-borough-specific population totals, the borough population per household is fixed. New population estimate 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 are assumed consistent at the borough level and thus have 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 changes at the neighborhood level including change due to migration.</p>	
	Year 2000 census counts were 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 2008 report and have not been presented since 2007. As a result, Health Center District tables were either replaced (Table 7) or did not present rates (Table 34).	Prior 2008
	Health Center district data were presented in Summary Reports. Populations for geographic area smaller than borough were based on decennial census data.	Prior to 2008
Race/Ethnic Group	Census data were 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 the selection of one race category.	Prior to 2003
	The birth certificate allowed the selection of one 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 was 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 was 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 were referred to by number prior to 2003 and by name after.	Prior to 2003

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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
Alcohol-related Deaths: ICD Coding	Following increasing deaths due to binge drinking, the ICD codes for alcohol-related deaths were reevaluated by the World Health Organization's Mortality Reference Group and coding was implemented in 2008. Core changes included recoding acute alcoholism, previously coded as F10.2, to X45 (alcohol poisoning) and retiring F100 and going forward coding such cases as X45. This resulted in an increase in alcohol liver disease and alcohol poisoning and a decrease in alcohol dependence syndrome. A subsequent decrease in alcohol liver disease between 2008 and 2009 is, in part, a result of further corrections to coding applied in 2009. Similar changes are seen in US data.	2008 - present
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	Prior to 2007, a large proportion of accidental drug related deaths (X40-X42, X44) were miscoded as chronic drug use (F11-F16, F18- F19). For a full explanation, please see the 2007 Annual Summary of Vital Statistics-Special Report: NYC Changes from Manual to Automated Cause of death Coding, pg 73-75. NCHS coded data is often substituted when presenting external causes of death trends that span 2006 to 2007.	Prior to 2007
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

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Smoking-Attributable Mortality (SAM)	<p>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 ≥ 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:</p> $\text{SAF} = [(p_0 + p_1(\text{RR}_1) + p_2(\text{RR}_2)) - 1] / [p_0 + p_1(\text{RR}_1) + p_2(\text{RR}_2)],$ <p>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 the RR_2 is the relative risk of death for adult former-smokers relative to adult never-smokers.</p> <p>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:</p> $\text{SAM} = \text{Number of deaths} \times \text{SAF}$ <p>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/sammecc.</p>	Prior to 2011
World Trade Center Deaths	See Technical Notes, 2009 regarding late effect WTC-deaths.	2008-present
	<p>In 2007, a 2002 death was reclassified as a WTC death.</p> <p>In 2008, a 2001 death was reclassified as a 2001 WTC death.</p> <p>In 2008, a missing person was classified as a 2001 WTC death per New York State Supreme Court.</p>	2007, 2008
	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)
Life Expectancy	To enable comparison, life expectancy for 1990 was recalculated by ethnic group.	1990

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
Type/write 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

Father/Parent's SSN: _____

Mother/Parent's SSN: _____

Cert. No. _____

Place: _____

Died: Date: _____

1. NAME OF CHILD (First, Middle, Last)					
2. SEX	3a. NUMBER DELIVERED of this pregnancy	4a. DATE OF CHILD'S BIRTH (Month) (Day) (Year - yyyy)	4b. TIME <input type="checkbox"/> AM <input type="checkbox"/> PM		
	3b. If more than one, number of this child in order of delivery				
5. PLACE OF BIRTH	5a. NEW YORK CITY BOROUGH	5b. Name of Hospital or other facility (if not facility, street address)			
5c. TYPE OF PLACE	<input type="checkbox"/> Hospital <input type="checkbox"/> Freestanding Birthing Center <input type="checkbox"/> Clinic/Doctor's Office		<input type="checkbox"/> Home Delivery: Planned to deliver at home? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		
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		7c. City or town	7d. Street and number	Apt. No.	7e. Inside city limits of 7c? Yes <input type="checkbox"/> No <input type="checkbox"/>
a. State		b. County			
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		<input type="checkbox"/> M.D. <input type="checkbox"/> RPA <input type="checkbox"/> D.O. <input type="checkbox"/> R.N. <input type="checkbox"/> Lic. Midwife <input type="checkbox"/> Other-Specify _____			
9b. I CERTIFY THAT THIS CHILD WAS BORN ALIVE AT THE PLACE, DATE AND TIME GIVEN		<input type="checkbox"/> M.D. <input type="checkbox"/> RPA <input type="checkbox"/> D.O. <input type="checkbox"/> R.N. <input type="checkbox"/> Hosp. Admin. <input type="checkbox"/> Lic. Midwife <input type="checkbox"/> Other-Specify _____			
Signed _____					
Name of Signer _____ (Type or Print)					
Address _____					
Date Signed _____, Year - yyyy _____					
Mother/Parent's Current (First, Middle, Last)					
Legal Name _____					
Address _____ Apt. _____					
City _____ State _____ ZIP _____					

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, Ukrainian, 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 < 1 yr, months _____

b. Father/Parent: If born outside of the United States, how long lived in U.S.? years _____ or < 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 business 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 Payer (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

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

e. 1. Anesthesia
(Check all that apply)
 Epidural Paracervical
 General inhalation Pudendal
 General intravenous Local
 Spinal None of the above

2. Complications from any of the above?
 Yes No

Method of Delivery

f. Fetal Presentation at Birth
 Cephalic Other
 Breech

g. Final route and method of delivery (Check one)
 Vaginal/Spontaneous Vaginal/Vacuum
 Vaginal/Forceps Cesarean

1. If cesarean, was trial of labor attempted?
 Yes No

2. Indications for C-Section Unknown
(Select all that apply) Maternal condition-not pregnancy related
 Failure to progress Maternal condition-pregnancy related
 Malpresentation Refused VBAC
 Previous C-Section Elective
 Fetus at risk/NFS Other

3. Was delivery with forceps attempted but unsuccessful?
 Yes No

4. Indications for Forceps Unknown
(Select all that apply) Fetus at Risk
 Failure to progress Other

5. Was delivery with vacuum extraction attempted but unsuccessful?
 Yes No

6. Indications for Vacuum Unknown
(Select all that apply) Fetus at Risk
 Failure to progress Other

h. Other Procedures Performed at Delivery (Check all that apply)
 Episiotomy & repair Repair of lacerations
 Sterilization 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 Severe pre-eclampsia
 Bleeding Woman Refused Transfer
 Fetus at Risk 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	l. Diagnosed Prenatally?		m. If Yes, please indicate all methods used:		
	Yes	No	Yes	No	
1. Anencephaly	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Level II Ultrasound <input type="checkbox"/> MSAFP/Triple Screen <input type="checkbox"/> Amniocentesis <input type="checkbox"/> Other <input type="checkbox"/> Unknown
2. Meningomyelocele/ Spina Bifida	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Level II Ultrasound <input type="checkbox"/> MSAFP/Triple Screen <input type="checkbox"/> Amniocentesis <input type="checkbox"/> Other <input type="checkbox"/> Unknown
3. Cyanotic Congenital Heart Disease	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Level II Ultrasound <input type="checkbox"/> Other <input type="checkbox"/> Unknown
4. Congenital Diaphragmatic Hernia	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Level II Ultrasound <input type="checkbox"/> Other <input type="checkbox"/> Unknown
5. Omphalocele	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Level II Ultrasound <input type="checkbox"/> Other <input type="checkbox"/> Unknown
6. Gastroschisis	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Level II Ultrasound <input type="checkbox"/> Other <input type="checkbox"/> Unknown
7. Limb Reduction Defect	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Level II Ultrasound <input type="checkbox"/> Other <input type="checkbox"/> Unknown
8. Cleft lip with or without Cleft Palate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Level II Ultrasound <input type="checkbox"/> Other <input type="checkbox"/> Unknown
9. Cleft Palate alone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Level II Ultrasound <input type="checkbox"/> Other <input type="checkbox"/> Unknown
10. Down Syndrome <input type="checkbox"/> Karyotype confirmed <input type="checkbox"/> Karyotype pending	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Level II Ultrasound <input type="checkbox"/> MSAFP/Triple Screen <input type="checkbox"/> CVS <input type="checkbox"/> Amniocentesis <input type="checkbox"/> Other <input type="checkbox"/> Unknown
11. Other Chromosomal Disorder <input type="checkbox"/> Karyotype confirmed <input type="checkbox"/> Karyotype pending	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Level II Ultrasound <input type="checkbox"/> MSAFP/Triple Screen <input type="checkbox"/> CVS <input type="checkbox"/> Amniocentesis <input type="checkbox"/> Other <input type="checkbox"/> Unknown
12. Hypospadias	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Level II Ultrasound <input type="checkbox"/> Other <input type="checkbox"/> Unknown
13. None of those listed above	<input type="checkbox"/>				

CERTIFICATE OF DEATH Certificate No.

1. DECEDENT'S LEGAL NAME

(First, Middle, Last)

DOHMH
USE ONLY

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

BOR	Place Of Death 2a. New York City 2b. Borough	2c. Type of Place 1 <input type="checkbox"/> Hospital Inpatient 2 <input type="checkbox"/> Emergency Dept./Outpatient 3 <input type="checkbox"/> Dead on Arrival	4 <input type="checkbox"/> Nursing Home/Long Term Care Facility 5 <input type="checkbox"/> Hospice Facility 6 <input type="checkbox"/> Decedent's Residence 7 <input type="checkbox"/> Other Specify _____	2d. Any Hospice care in last 30 days 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No 3 <input type="checkbox"/> Unknown	2e. Name of hospital or other facility (if not facility, street address)
INST	Date and Time of Death	3a. (Month) (Day) (Year-yyyy)	3b. Time <input type="checkbox"/> AM <input type="checkbox"/> PM	4. Sex	5. Date last attended by a Physician mm dd yyyy
MANNER	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.				
RESIDENCE	Name of Physician _____ (Type or Print)		Signature _____		D.O. M.D.
CODE	Address _____		License No. _____		Date _____
BP	7a. Usual Residence State	7b. County	7c. City or Town	7d. Street and Number	Apt. No. ZIP Code
LDIS	8. Date of Birth (Month) (Day) (Year-yyyy)		9. Age at last birthday (years)	Under 1 Year Months Days	Under 1 Day Hours Minutes
H	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	
ANC	13. Birthplace (City & State or Foreign Country)		14. Education (Check the box that best describes the highest degree or level of school completed at the time of death) 1 <input type="checkbox"/> 8th grade or less; none 2 <input type="checkbox"/> 9th – 12th grade; no diploma 3 <input type="checkbox"/> High school graduate or GED 4 <input type="checkbox"/> Some college credit, but no degree 5 <input type="checkbox"/> Associate degree (e.g., AA, AS) 6 <input type="checkbox"/> Bachelor's degree (e.g., BA, AB, BS) 7 <input type="checkbox"/> Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA) 8 <input type="checkbox"/> Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)		
NH	15. Ever in U.S. Armed Forces? 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No	16. Marital/Partnership Status at time of death 1 <input type="checkbox"/> Married 2 <input type="checkbox"/> Domestic Partnership 3 <input type="checkbox"/> Divorced 4 <input type="checkbox"/> Married, but separated 5 <input type="checkbox"/> Never Married 6 <input type="checkbox"/> Widowed 7 <input type="checkbox"/> Other, Specify _____ 8 <input type="checkbox"/> Unknown		17. Surviving Spouse's/Partner's Name (If wife, name prior to first marriage)(First, Middle, Last)	
ANC	18. Father's Name (First, Middle, Last)		19. Mother's Maiden Name (Prior to first marriage) (First, Middle, Last)		
ICD	20a. Informant's Name		20b. Relationship to Decedent	20c. Address (Street and Number) Apt. No. City & State ZIP Code	
AUT	21a. Method of Disposition 1 <input type="checkbox"/> Burial 2 <input type="checkbox"/> Cremation 3 <input type="checkbox"/> Entombment 4 <input type="checkbox"/> City Cemetery 5 <input type="checkbox"/> Other Specify _____		21b. Place of Disposition (Name of cemetery, crematory, other place)		
	21c. Location of Disposition (City & State or Foreign Country)			21d. Date of Disposition mm dd yyyy	
	22a. Funeral Establishment		22b. Address (Street and Number) City & State ZIP Code		

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

VR 15 (Rev. 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) <input type="checkbox"/> Hispanic (Mexican, Puerto Rican, Cuban, Dominican, etc.) Specify _____ <input type="checkbox"/> 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 <input type="checkbox"/> White 02 <input type="checkbox"/> Black or African American 03 <input type="checkbox"/> American Indian or Alaska Native (Name of enrolled or principal tribe) _____ 04 <input type="checkbox"/> Asian Indian 05 <input type="checkbox"/> Chinese 06 <input type="checkbox"/> Filipino 07 <input type="checkbox"/> Japanese 08 <input type="checkbox"/> Korean 09 <input type="checkbox"/> Vietnamese 10 <input type="checkbox"/> Other Asian—Specify _____ 11 <input type="checkbox"/> Native Hawaiian 12 <input type="checkbox"/> Guamanian or Chamorro 13 <input type="checkbox"/> Samoan 14 <input type="checkbox"/> Other Pacific Islander—Specify _____ 15 <input type="checkbox"/> Other—Specify _____	_____ DECEDENT'S LEGAL NAME (Type or Print)									
25. CAUSE OF DEATH – List only one cause on each line. DO NOT ABBREVIATE.											
PART I	a. IMMEDIATE CAUSE	APPROXIMATE INTERVAL: ONSET TO DEATH									
	b. DUE TO OR AS A CONSEQUENCE OF										
	c. DUE TO OR AS A CONSEQUENCE OF										
	d. DUE TO OR AS A CONSEQUENCE OF										
PART II	OTHER SIGNIFICANT CONDITIONS CONTRIBUTING TO DEATH but not resulting in the underlying cause given in Part I. Include operation information.										
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.	26a. Was an autopsy performed? 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No 26b. Were autopsy findings available to complete the cause of death? 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No	27a. If Female 1 <input type="checkbox"/> Not pregnant within 1 year of death 2 <input type="checkbox"/> Pregnant at time of death 3 <input type="checkbox"/> Not pregnant at death, but pregnant within 42 days of death 4 <input type="checkbox"/> Not pregnant at death, but pregnant 43 days to 1 year before death 5 <input type="checkbox"/> Unknown if pregnant within 1 year of death	27b. If pregnant within one year of death, outcome of pregnancy 1 <input type="checkbox"/> Live Birth 2 <input type="checkbox"/> Spontaneous Termination/Ectopic Pregnancy 3 <input type="checkbox"/> Induced Termination 4 <input type="checkbox"/> None	27c. Date of Outcome <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:33%; text-align: center;">mm</td> <td style="width:33%; text-align: center;">dd</td> <td style="width:33%; text-align: center;">yyyy</td> </tr> <tr> <td style="height: 20px;"></td> <td></td> <td></td> </tr> </table>	mm	dd	yyyy				28. Was this case referred to OCME? 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No
mm	dd	yyyy									
29. Did tobacco use contribute to death? 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No 3 <input type="checkbox"/> Probably 4 <input type="checkbox"/> Unknown	30. For infant under one year: Name and address of hospital or other place of birth										
I am submitting herewith a confidential report of the cause of death.											
SIGNATURE _____	D.O. M.D.	ADDRESS _____	LICENSE NO. _____								

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

IMMEDIATE CAUSE → FINAL disease or condition resulting in death.

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

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

CERTIFICATE OF DEATH

Certificate No. _____

- New
- Corr/Amend
- Replacement

**DOHMH
USE ONLY**

**1. DECEDENT'S
LEGAL NAME**

(First, Middle, Last)

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

BOR	Place Of Death	2a. New York City 2b. Borough	2c. Type of Place 1 <input type="checkbox"/> Hospital Inpatient 2 <input type="checkbox"/> Emergency Dept./Outpatient 3 <input type="checkbox"/> Dead on Arrival	4 <input type="checkbox"/> Nursing Home/Long Term Care Facility 5 <input type="checkbox"/> Hospice Facility 6 <input type="checkbox"/> Decedent's Residence 7 <input type="checkbox"/> Other Specify _____	2d. Any Hospice care in last 30 days 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No 3 <input type="checkbox"/> Unknown	2e. Name of hospital or other facility (if not facility, street address)			
INST	Date and Time of Death or Found Dead	3a. (Month) (Day) (Year-yyyy)	3b. Time <input type="checkbox"/> AM <input type="checkbox"/> PM	4. Sex	5. OCME Case No.				
MANNER	MEDICAL CERTIFICATE OF DEATH (To be filled in by the OCME)	PART I	6. CAUSE OF DEATH				APPROXIMATE INTERVAL: ONSET TO DEATH		
a. Immediate cause									
b. Due to or as a consequence of									
RESIDENCE	c. Due to or as a consequence of								
CODE	PART II Other significant conditions contributing to death but not resulting in the underlying cause given in Part I. Include operation information.								
BP	7a. Injury Date (mm dd yyyy)	7b. Time <input type="checkbox"/> AM <input type="checkbox"/> PM	7c. At Work 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No	7d. Place of Injury – At home, factory, street, etc.			7e. Location		
LDIS	7f. How Injury Occurred								
H	7g. If Transportation Injury Specify <input type="checkbox"/> Driver/Operator <input type="checkbox"/> Pedestrian <input type="checkbox"/> Passenger <input type="checkbox"/> Other Specify _____		8. Manner of Death <input type="checkbox"/> Pending further study <input type="checkbox"/> Natural <input type="checkbox"/> Homicide <input type="checkbox"/> Accident <input type="checkbox"/> Suicide <input type="checkbox"/> Undetermined		9. Autopsy <input type="checkbox"/> Yes <input type="checkbox"/> No Autopsy Pursuant to Law <input type="checkbox"/> No Autopsy		10. On the basis of examination and/or investigation, in my opinion, death occurred due to the causes and manner as stated: Certifier Signature _____ D.O. _____ Certifier Name (Print) _____ M.D. Date _____ (Medical Investigator) (Deputy Chief) (Chief) (Medical Examiner)		
ANC	11a. Usual Residence State	11b. County	11c. City or Town		11d. Street and Number	Apt. No.	ZIP Code	11e. Inside City Limits? 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No	
NH	12. Date of Birth (Month) (Day) (Year-yyyy)		13. Age at last birthday (years)		Under 1 Year Months Days		Under 1 Day Hours Minutes		14. Social Security No.
ANC	15a. Usual Occupation (Type of work done during most of working life. <u>Do not use "retired"</u>)			15b. Kind of business or industry		16. Aliases or AKAs			
ANC	17. Birthplace (City & State or Foreign Country)		18. Education (Check the box that best describes the highest degree or level of school completed at the time of death) 1 <input type="checkbox"/> 8th grade or less; none 2 <input type="checkbox"/> 9th – 12th grade; no diploma 3 <input type="checkbox"/> High school graduate or GED 4 <input type="checkbox"/> Some college credit, but no degree 5 <input type="checkbox"/> Associate degree (e.g., AA, AS) 6 <input type="checkbox"/> Bachelor's degree (e.g., BA, AB, BS) 7 <input type="checkbox"/> Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA) 8 <input type="checkbox"/> Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)						
ANC	19. Ever in U.S. Armed Forces? 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No		20. Marital/Partnership Status at time of death 1 <input type="checkbox"/> Married 2 <input type="checkbox"/> Domestic Partnership 3 <input type="checkbox"/> Divorced 4 <input type="checkbox"/> Married, but separated 5 <input type="checkbox"/> Never Married 6 <input type="checkbox"/> Widowed 7 <input type="checkbox"/> Other, Specify _____ 8 <input type="checkbox"/> Unknown			21. Surviving Spouse's/Partner's Name (If wife, name prior to first marriage)(First, Middle, Last)			
ICD	22. Father's Name (First, Middle, Last)			23. Mother's Maiden Name (Prior to first marriage) (First, Middle, Last)					
AUT	24a. Informant's Name		24b. Relationship to Decedent		24c. Address (Street and Number		Apt. No.	City & State	ZIP Code)
	25a. Method of Disposition 1 <input type="checkbox"/> Burial 2 <input type="checkbox"/> Cremation 3 <input type="checkbox"/> Entombment 4 <input type="checkbox"/> City Cemetery 5 <input type="checkbox"/> Other Specify _____				25b. Place of Disposition (Name of cemetery, crematory, other place)				
	25c. Location of Disposition (City & State or Foreign Country)					25d. Date of Disposition mm dd yyyy			
	26a. Funeral Establishment			26b. Address (Street and Number		City & State		ZIP Code)	

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

MEDICAL EXAMINER'S SUPPLEMENTARY REPORT

VR 16 (Rev. 01/03)

Certificate No. _____

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

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

DECEDENT'S LEGAL NAME (Type or Print) _____

29a. If Female 1 <input type="checkbox"/> Not pregnant within 1 year of death 2 <input type="checkbox"/> Pregnant at time of death 3 <input type="checkbox"/> Not pregnant at death, but pregnant within 42 days of death 4 <input type="checkbox"/> Not pregnant at death, but pregnant 43 days to 1 year before death 5 <input type="checkbox"/> Unknown if pregnant within 1 year of death	29b. If pregnant within one year of death, outcome of pregnancy 1 <input type="checkbox"/> Live Birth 2 <input type="checkbox"/> Spontaneous Termination / Ectopic Pregnancy 3 <input type="checkbox"/> Induced Termination 4 <input type="checkbox"/> None	29c. Date of Outcome mm dd yyyy
30. Did tobacco use contribute to death? 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No 3 <input type="checkbox"/> Probably 4 <input type="checkbox"/> Unknown	31. For infant under one year: Name and address of hospital or other place of birth	

**Cleared For Cremation
If Family Requests**

M.E. Signature

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

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

or

I did not personally examine the body after death.

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

THE CITY OF NEW YORK – DEPARTMENT OF HEALTH AND MENTAL HYGIENE
CERTIFICATE OF SPONTANEOUS TERMINATION OF PREGNANCY

VR-17
 (REV. 01/10)

CERTIFICATE NO. _____

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 the Department of Health and Mental Hygiene use only.
- I CERTIFY THAT I HAVE IN MY POSSESSION AN AFFIDAVIT OF AUTHORIZATION FOR CREMATION

FD Initials _____

Did heart beat after delivery? _____ Was there movement of voluntary muscle? _____		If answer to either is yes, do not use this form. Case must be reported by filing a certificate of birth and a certificate of death.			
FETUS	1. NAME (Optional): (First, Middle, Last, Suffix)	2a. DATE OF DELIVERY <small>(Month) (Day) (Year-yyyy)</small>	2b. TIME <input type="checkbox"/> AM <input type="checkbox"/> PM <input type="checkbox"/> Unknown	3. SEX <input type="checkbox"/> Male <input type="checkbox"/> Unknown <input type="checkbox"/> Female	
	4. OBSTETRIC ESTIMATE OF GESTATION <small># of weeks</small>	5a. NUMBER DELIVERED THIS PREGNANCY _____	IF MORE THAN ONE 5b. Number in order of delivery _____ 5c. Number born alive _____		
FETUS Place of Delivery	6a. TYPE OF PLACE <input type="checkbox"/> Hospital – ER/ED <input type="checkbox"/> Freestanding Birthing Center <input type="checkbox"/> Hospital – Amb. Surg. <input type="checkbox"/> Home <input type="checkbox"/> Hospital – Labor/Labor and Delivery <input type="checkbox"/> Clinic/Doctor's Office <input type="checkbox"/> Hospital – Other <input type="checkbox"/> Other, Specify _____ <input type="checkbox"/> Hospital – Other <input type="checkbox"/> Unknown		6b. FACILITY NAME/ADDRESS If not in facility, street address: (Street Number and Name, City or Town, County, State, Country, Zip Code)		
	7. CURRENT LEGAL NAME: (First, Middle, Last, Suffix)		9. DATE OF BIRTH <small>(Month) (Day) (Year-yyyy)</small>	12. BIRTHPLACE City _____ State _____	
MOTHER/PARENT	8. NAME PRIOR TO FIRST MARRIAGE: (First, Middle, Last, Suffix)	10. AGE	11. SEX <input type="checkbox"/> Male <input type="checkbox"/> Female	Country _____	
	13. RESIDENCE ADDRESS: (Street Number and Name, Apt. No., City or Town, County, State, Country, Zip Code)			14. INSIDE CITY LIMITS? <input type="checkbox"/> Yes <input type="checkbox"/> Unknown <input type="checkbox"/> No	
FATHER/PARENT	15. NAME PRIOR TO FIRST MARRIAGE: (First, Middle, Last, Suffix)		16. DATE OF BIRTH <small>(Month) (Day) (Year-yyyy)</small>	19. BIRTHPLACE City _____ State _____	
			17. AGE	18. SEX <input type="checkbox"/> Male <input type="checkbox"/> Female	Country _____
ATTENDANT/CERTIFIER	20. ATTENDANT NAME AT DELIVERY: (First, Middle, Last, Suffix) _____ <input type="checkbox"/> MD <input type="checkbox"/> DO <input type="checkbox"/> Lic. Midwife <input type="checkbox"/> RPA <input type="checkbox"/> Other, (specify) _____				
	21. CERTIFIER: I HEREBY CERTIFY THAT THIS EVENT OCCURRED AT THE TIME AND ON THE DATE INDICATED AND THAT ALL FACTS STATED IN THIS CERTIFICATE ARE TRUE TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF.		<input type="checkbox"/> MD <input type="checkbox"/> DO		
	Signature of Physician Certifier _____				
	Name of Physician Certifier _____				
Address _____					
License No. _____		Date _____/_____/_____			
FUNERAL DIRECTOR'S CERTIFICATE					
FUNERAL DIRECTOR'S CERTIFICATE	I hereby certify that I have been employed as Funeral Director by _____ <small>(Name of person in control of disposition)</small>				
	of _____ <small>(Address)</small> . This statement is made to obtain a disposition permit				
	for this fetus _____ <small>(Signature of Funeral Director)</small> <small>(License No.)</small>				
	Funeral Establishment _____		Business Registration No. _____		
	Address _____				
NAME OF CEMETERY OR CREMATORY (OR DESTINATION)		CITY OR COUNTY AND STATE		DATE OF DISPOSITION <small>(Month) (Day) (Year-yyyy)</small>	

CONFIDENTIAL MEDICAL REPORT OF SPONTANEOUS TERMINATION OF PREGNANCY (1 of 2)

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

Mother/Parent Medical Record No. _____

CERTIFICATE NO. _____

22. Date Last Normal Menses Began: ____/____/____
mm dd yyyy

23. 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, MEd, MSW, MBA)
Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)
Unknown

24. PARENT'S OCCUPATION

a. Was mother/parent employed during pregnancy? Yes No
b. Mother/Parent 1. Current/most recent occupation 2. Kind of business or industry
c. Father/Parent

25. 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.)
NOT Hispanic (Italian, African American, Haitian, Pakistani, Ukrainian, Nigerian, Taiwanese, etc.)
Unknown

26. 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
Asian Indian
Chinese
Filipino
Japanese
Korean
Vietnamese
Other Asian
Native Hawaiian
Guamanian or Chamorro
Samoan
Other Pacific Islander
Other
Unknown

27. PARENT'S LENGTH OF TIME IN U.S.

a. Mother/Parent b. Father/Parent
Never lived in United States
If born outside of the United States, how long lived in U.S.?
years
or if <1 yr, months
Unknown

28. CAUSE/CONDITIONS CONTRIBUTING TO FETAL DEATH

a. Initiating Cause/Condition (Among the choices below, please select the one that most likely began the sequence of events resulting in the death of the fetus.)
b. Other Significant Causes or Conditions (Select or specify all other conditions contributing to death.)
Maternal Conditions/Diseases (Specify)
Complications of Placenta, Cord, or Membranes
Rupture of membranes prior to onset of labor
Abruptio placenta
Placental insufficiency
Prolapsed cord
Chorioamnionitis
Other (Specify)
Other Obstetrical or Pregnancy Complications (Specify)
Fetal Anomaly (Specify)
Fetal Injury (Please consult with OCME)
Fetal Infection (Specify)
Other Fetal Conditions/Disorders (Specify)
Unknown

c. Was this case referred to OCME? Yes No Unknown If yes, ME Case Number: _____

FOR GESTATION OF 20 WEEKS OR MORE: ALL ITEMS BELOW MUST BE COMPLETED (except OCME cases).

29. PRENATAL

a. Primary Payor (Check one)
Medicaid Self-pay
Other govt. insurance None
Private insurance Unknown
b. Total Number of Prenatal Visits for this Pregnancy
None
c. Date of First Prenatal Care Visit (mm/dd/yyyy) ____/____/____
d. Date of Last Prenatal Care Visit (mm/dd/yyyy) ____/____/____
e. Previous Live Births
1. Total Number of Previous Live Births _____ None
2. Number Born Alive and Now Living _____ None
3. Number Born Alive and Now Dead _____ None
f. Date of First Live Birth (mm/yyyy) ____/____
g. Date of Last Live Birth (mm/yyyy) ____/____
h. Total Number of Other Pregnancy Outcomes _____ None (Spontaneous or Induced losses or ectopic pregnancies) Do not include this fetus
i. Date of Last Other Pregnancy Outcome (mm/yyyy) ____/____

30. MOTHER/PARENT HEALTH

a. Height _____ feet _____ inches
b. Pre-Pregnancy Weight _____ pounds
c. Weight Immediately Prior to Event _____ pounds

d. Cigarette Smoking

1. Cigarette smoking in the 3 months before or during pregnancy?
Yes No Unknown
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 _____

e. Alcohol use during this pregnancy?

Yes No Unknown

f. Illicit and other drugs used during this pregnancy?

Yes No Unknown
If yes, check all that apply
Heroin Sedatives
Cocaine Tranquilizers
Methadone Anticonvulsants
Methamphetamine Other
Marijuana Unknown

31. PREGNANCY FACTORS

a. Risk Factors in this Pregnancy (Check all that apply)
Diabetes – Prepregnancy
Diabetes – Gestational
Hypertension – Pre-pregnancy
Hypertension – Gestational
Hypertension – Eclampsia
Previous Preterm Birth
Other previous poor pregnancy outcome
Infertility Treatment – Fertility-enhancing drugs, Artificial/Intrauterine insemination
Infertility Treatment – Assisted Reproductive Technology
Mother had a Previous Cesarean Delivery
Other Tranquilizers
None Anticonvulsants
Other
If yes, how many? _____
Unknown

THE CITY OF NEW YORK – DEPARTMENT OF HEALTH AND MENTAL HYGIENE (Each question MUST be answered)
CONFIDENTIAL MEDICAL REPORT OF SPONTANEOUS TERMINATION OF PREGNANCY (2 of 2)

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

Mother/Parent Medical Record No. _____

CERTIFICATE NO. _____

FOR GESTATION OF 20 WEEKS OR MORE: ALL ITEMS BELOW MUST BE COMPLETED (except OCME cases).

31. PREGNANCY FACTORS (cont.)	
b. Infection Present and/or Treated During Pregnancy (Check all that apply)	
<input type="checkbox"/> Gonorrhea	<input type="checkbox"/> Tuberculosis
<input type="checkbox"/> Syphilis	<input type="checkbox"/> Rubella
<input type="checkbox"/> Herpes Simplex (HSV)	<input type="checkbox"/> Cytomegalovirus
<input type="checkbox"/> Chlamydia	<input type="checkbox"/> Parvovirus
<input type="checkbox"/> Bacterial Vaginosis	<input type="checkbox"/> Toxoplasmosis
<input type="checkbox"/> Hepatitis B	<input type="checkbox"/> Other
<input type="checkbox"/> Hepatitis C	<input type="checkbox"/> None
<input type="checkbox"/> Listeria	<input type="checkbox"/> Unknown
<input type="checkbox"/> Group B Strep	
32. DELIVERY	
a. Method of Delivery	
1. Was delivery with forceps attempted but unsuccessful?	
<input type="checkbox"/> Attempted and successful	<input type="checkbox"/> Attempted and unsuccessful
<input type="checkbox"/> Forceps were not used	<input type="checkbox"/> Unknown
2. Was delivery with vacuum extraction attempted but unsuccessful?	
<input type="checkbox"/> Attempted and successful	<input type="checkbox"/> Attempted and unsuccessful
<input type="checkbox"/> Vacuum extraction was not used	<input type="checkbox"/> Unknown
3. Fetal presentation at delivery	
<input type="checkbox"/> Cephalic	
<input type="checkbox"/> Breech	
<input type="checkbox"/> Other	
<input type="checkbox"/> Unknown	
4. Final route and method of delivery (Check one)	
<input type="checkbox"/> Vaginal/Spontaneous	
<input type="checkbox"/> Vaginal/Forceps	
<input type="checkbox"/> Vaginal/Vacuum	
Vaginal delivery after a previous C-section?	
<input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Unknown
<input type="checkbox"/> Primary Cesarean	
<input type="checkbox"/> Repeat Cesarean	
If cesarean, was a trial of labor attempted?	
<input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Unknown
5. Hysterotomy/Hysterectomy	
<input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> Unknown

b. Maternal Morbidity (Check all that apply) (Complications associated with labor and delivery)	
<input type="checkbox"/> Maternal transfusion	
<input type="checkbox"/> Third or fourth degree perineal laceration	
<input type="checkbox"/> Ruptured uterus	
<input type="checkbox"/> Unplanned hysterectomy	
<input type="checkbox"/> Admission to intensive care unit	
<input type="checkbox"/> Unplanned operating room procedure following delivery	
<input type="checkbox"/> Hemorrhage	
<input type="checkbox"/> Postpartum transfer to a higher level of care	
<input type="checkbox"/> Other	
<input type="checkbox"/> None	
<input type="checkbox"/> Unknown	
c. Was mother transferred for maternal medical or fetal indication prior to delivery?	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	
If yes, name of facility transferred from:	

33. FETAL ATTRIBUTES	
a. Weight of Fetus (grams preferred, specify unit)	
<input type="checkbox"/> lb/oz <input type="checkbox"/> grams	
b. Estimated Time of Fetal Death	
<input type="checkbox"/> Death at time of first assessment, no labor ongoing	
<input type="checkbox"/> Death at time of first assessment, labor ongoing	
<input type="checkbox"/> Died during labor, after first assessment	
<input type="checkbox"/> Unknown time of fetal death	
c. Was an autopsy performed?	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Planned	
d. Was a histological placental examination performed?	
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Planned	

e. Were autopsy or histological placental examination results used in determining the cause of fetal death?
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
f. Congenital Anomalies of the Fetus (Check all that apply)
<input type="checkbox"/> Anencephaly
<input type="checkbox"/> Meningocele/Spina bifida
<input type="checkbox"/> Cyanotic congenital heart disease
<input type="checkbox"/> Congenital diaphragmatic hernia
<input type="checkbox"/> Omphalocele
<input type="checkbox"/> Gastroschisis
<input type="checkbox"/> Limb reduction defect (excluding congenital amputation and dwarfing syndromes)
<input type="checkbox"/> Cleft lip with or without cleft palate
<input type="checkbox"/> Cleft palate alone
<input type="checkbox"/> Down syndrome
<input type="checkbox"/> Karyotype confirmed
<input type="checkbox"/> Karyotype pending
<input type="checkbox"/> Suspected chromosomal disorder
<input type="checkbox"/> Karyotype confirmed
<input type="checkbox"/> Karyotype pending
<input type="checkbox"/> Hypospadias
<input type="checkbox"/> Other
<input type="checkbox"/> None
<input type="checkbox"/> Unknown

THE CITY OF NEW YORK – DEPARTMENT OF HEALTH AND MENTAL HYGIENE
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; not subject to compelled disclosure.

CERTIFICATE NO.
(For Health Dept. Use Only)

FACILITY	1. DATE OF PROCEDURE FOR TERMINATION (Month) (Day) (Year-yyyy)		2. FACILITY TYPE <input type="checkbox"/> Hospital <input type="checkbox"/> Clinic (Article 28) <input type="checkbox"/> Clinic (non-Article 28) <input type="checkbox"/> Other type _____ <input type="checkbox"/> Shared Facility <input type="checkbox"/> Doctor's Office <input type="checkbox"/> Unknown		
	3A. FACILITY NAME		4. PRIMARY FINANCIAL COVERAGE THIS TERMINATION <input type="checkbox"/> Medicaid <input type="checkbox"/> Other Govt. Insurance <input type="checkbox"/> Private Insurance <input type="checkbox"/> Self Pay <input type="checkbox"/> Unknown		
	3B. FACILITY ADDRESS Street Number and Name				
	Apt. #, Suite #, etc.				
City or Town		County	State	Country	
ZIP Code					
INST.	5. PATIENT'S LEGAL NAME First Name _____ Last Name _____ (First two letters) (First two letters)		6. PATIENT'S DATE OF BIRTH (Month) (Day) (Year-yyyy)		
7. PATIENT'S BIRTHPLACE City or Town		State	Country		
B	8. NEVER LIVED IN UNITED STATES <input type="checkbox"/> If born outside of the United States, how long lived in U.S.? _____ (years)		9. PATIENT'S USUAL RESIDENCE (COMPLETE ONLY ONE)		
R	Or if less than 1 year, _____ (months)		<input type="checkbox"/> New York City ZIP Code _____ <input type="checkbox"/> Manhattan <input type="checkbox"/> Bronx <input type="checkbox"/> Brooklyn <input type="checkbox"/> Queens <input type="checkbox"/> Staten Island <input type="checkbox"/> Unknown <input type="checkbox"/> Outside NYS (U.S. State) _____ <input type="checkbox"/> New York State (Outside NYC) City or Town _____ County _____ ZIP Code _____ <input type="checkbox"/> Outside U.S. (Foreign Country) _____		
A	10. EDUCATION <input type="checkbox"/> 8th grade or less; none <input type="checkbox"/> 9th-12th grade, no diploma <input type="checkbox"/> High school graduate or GED completed <input type="checkbox"/> Some college credit, but no degree		11. ANCESTRY (CHECK ONE BOX AND SPECIFY) <input type="checkbox"/> Hispanic (Mexican, Puerto Rican, Cuban, Dominican, etc.) Specify _____ <input type="checkbox"/> NOT Hispanic (Italian, African American, Haitian, Pakistani, Ukrainian, Nigerian, Taiwanese, etc.) Specify _____ <input type="checkbox"/> Unknown		
E	12. RACE Race as defined by the U.S. Census. (Check one or more to indicate what the patient considers herself to be.) <input type="checkbox"/> White <input type="checkbox"/> Black or African American <input type="checkbox"/> American Indian or Alaska Native (specify tribe) _____ <input type="checkbox"/> Asian Indian		<input type="checkbox"/> Associate degree <input type="checkbox"/> Bachelor's degree <input type="checkbox"/> Master's degree <input type="checkbox"/> Doctorate or Professional degree <input type="checkbox"/> Unknown <input type="checkbox"/> Chinese <input type="checkbox"/> Other Asian (specify) _____ <input type="checkbox"/> Filipino <input type="checkbox"/> Japanese <input type="checkbox"/> Korean <input type="checkbox"/> Vietnamese <input type="checkbox"/> Native Hawaiian <input type="checkbox"/> Guamanian or Chamorro <input type="checkbox"/> Samoan <input type="checkbox"/> Other (specify) _____ <input type="checkbox"/> Unknown		
13. MARITAL/PARTNERSHIP STATUS <input type="checkbox"/> Married <input type="checkbox"/> Domestic Partnership <input type="checkbox"/> Divorced <input type="checkbox"/> Married, but separated <input type="checkbox"/> Never Married <input type="checkbox"/> Widowed <input type="checkbox"/> Other, Specify _____ <input type="checkbox"/> Unknown					
14. DATE LAST NORMAL MENSES BEGAN (Month) (Day) (Year-yyyy)		15. OBSTETRIC ESTIMATE OF GESTATION _____ completed weeks		16. PREVIOUS PREGNANCIES a. Total Number of Previous Live Births _____ <input type="checkbox"/> None b. Born Alive Now Living _____ <input type="checkbox"/> None c. Born Alive Now Dead _____ <input type="checkbox"/> None d. Total Number Other Pregnancy Outcomes _____ <input type="checkbox"/> None (Spontaneous or Induced losses or ectopic pregnancies) Do not include this termination.	
17. TERMINATION PROCEDURE					
17A. PRIMARY PROCEDURE (CHECK ONLY ONE) <input type="checkbox"/> Suction Curettage <input type="checkbox"/> Sharp Curettage (D&C) <input type="checkbox"/> Dilatation and Evacuation (D&E) <input type="checkbox"/> Intra-Uterine Instillation <input type="checkbox"/> Hysterotomy/Hysterectomy <input type="checkbox"/> Misoprostol			17B. ADDITIONAL PROCEDURES (CHECK ALL THAT APPLY) <input type="checkbox"/> None <input type="checkbox"/> Suction Curettage <input type="checkbox"/> Sharp Curettage (D&C) <input type="checkbox"/> Dilatation and Evacuation (D&E) <input type="checkbox"/> Intra-Uterine Instillation <input type="checkbox"/> Hysterotomy/Hysterectomy <input type="checkbox"/> Misoprostol		
<input type="checkbox"/> Mifepristone and Misoprostol <input type="checkbox"/> Methotrexate and Misoprostol <input type="checkbox"/> Other Medical (nonsurgical) Specify Medications _____ <input type="checkbox"/> Other, Specify _____			<input type="checkbox"/> Mifepristone and Misoprostol <input type="checkbox"/> Methotrexate and Misoprostol <input type="checkbox"/> Other Medical (nonsurgical) Specify Medications _____ <input type="checkbox"/> Other, Specify _____		
18. CONTRACEPTIVE METHOD PRESCRIBED AND/OR DISPENSED AFTER THIS PROCEDURE (Check all that apply) <input type="checkbox"/> None Offered <input type="checkbox"/> Offered but Declined <input type="checkbox"/> Oral Contraceptive Pills <input type="checkbox"/> Condoms <input type="checkbox"/> Injection <input type="checkbox"/> Contraceptive Implant <input type="checkbox"/> Contraceptive Patch <input type="checkbox"/> Cervical Vaginal Ring <input type="checkbox"/> Diaphragm <input type="checkbox"/> IUD <input type="checkbox"/> Emergency Contraception <input type="checkbox"/> Other, Specify _____					
19. ATTENDANT NAME AT TERMINATION: _____ (First, Middle, Last, Suffix) <input type="checkbox"/> MD <input type="checkbox"/> DO					
20. CERTIFIER: I HEREBY CERTIFY THAT THIS EVENT OCCURRED AT THE TIME AND ON THE DATE INDICATED AND THAT ALL FACTS STATED IN THIS CERTIFICATE ARE TRUE TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF. _____ Signature of Physician Certifier <input type="checkbox"/> MD <input type="checkbox"/> DO _____ Name of Physician Certifier _____ Address _____ License No. _____ / _____ / _____ Date					