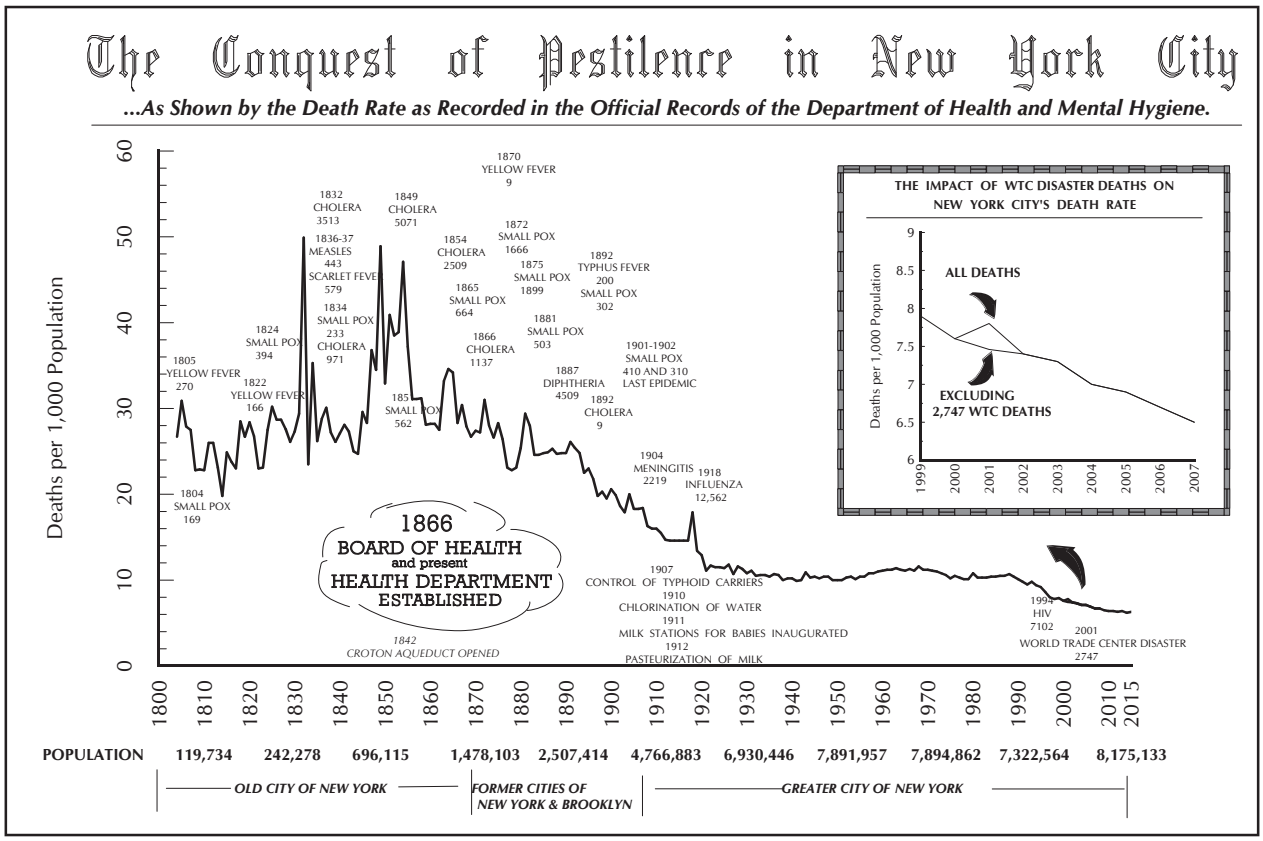
SUMMARY OF VITAL STATISTICS 2015
THE CITY OF NEW YORK



BUREAU OF VITAL STATISTICS, NEW YORK CITY DEPARTMENT OF HEALTH AND MENTAL HYGIENE
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SUMMARY OF VITAL STATISTICS 2015
THE CITY OF NEW YORK

New York City Department of Health and Mental Hygiene

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August 2017

This report was prepared by the Department of Health and Mental Hygiene, Office of Vital Statistics staff under the direction of Wenhui Li, PhD, Kimberly Sebek, MPH, and Mary Huynh, PhD.

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This publication is available online at http://www1.nyc.gov/site/doh/data/vital-statistics/vital-statistics-summary.page.

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NEW YORK CITY DEPARTMENT OF
HEALTH AND MENTAL HYGIENE
Mary T. Bassett, MD, MPH
Commissioner

Dear Fellow New Yorker:

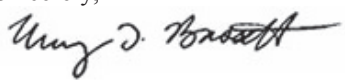
The New York City Department of Health and Mental Hygiene's *Summary of Vital Statistics* provides a snapshot of the health of New York City by characterizing both the beginning and end of life. The indicators herein reflect the health of residents in our city and inform both current and future programs and policies. Reducing both infant mortality and premature mortality are citywide goals as outlined in OneNYC, the citywide plan for a strong, sustainable, resilient, and equitable city.

Highlights from our 2015 report include:

- Citywide, life expectancy was 81.2 years in 2015, representing a one year, six month increase since 2006, a two month increase since 2013, and a one month decrease since 2014.
- In NYC, non-Hispanic blacks had the lowest life expectancy among racial/ethnic groups at 77.3 years while Hispanics had the highest, at 82.4 years.
- From 2014 to 2015, there was a slight increase in the citywide age-adjusted mortality rate from 580.4 per 100,000 population to 582.1 per 100,000 population. The age-adjusted mortality rate has declined by 15.9% since 2006.
- Heart disease and cancer continue to be the leading causes of death. HIV dropped out of the top ten leading causes of death citywide in 2012 but continues to be one of the top ten leading causes of death for Puerto Ricans and non-Hispanic blacks.
- Deaths due to unintentional drug overdose continue to rise since 2010, with the mortality rate in 2015 (13.7 per 100,000 population) similar to the mortality rate in 2006 (13.9 per 100,000 population).
- New York City's age-adjusted premature death rate (age <65 years) declined 18.9% since 2006. However, the age-adjusted premature death rate in high poverty neighborhoods was 2.2 times higher than in low poverty neighborhoods. Likewise, the age-adjusted premature death rate for non-Hispanic blacks was 1.5 times higher than the age-adjusted premature death rate for non-Hispanic whites.
- The 2015 infant mortality rate remains historically low at 4.3 per 1,000 live births; however, this was slightly higher than the 2014 rate (4.2 per 1,000 live births). Due to the small number of events, the rate will fluctuate from year to year.
- Although the infant mortality rate declined for all groups, the infant mortality rate for non-Hispanic blacks was almost three times higher than for non-Hispanic whites.

We continue to protect and promote the health of all New Yorkers through tracking our progress and raising awareness of the disparities that continue to exist for our residents.

Sincerely,



Mary T. Bassett, MD, MPH
Commissioner

KEY FINDINGS

Life Expectancy

- New York City's life expectancy at birth in 2015 was 81.2 years, a modest 0.1-year decrease from 2014. Over the last ten years since 2006, life expectancy increased by 1.5 years.
- The New York City 2015 life expectancy at birth was 82.4 years among Hispanics, 81.3 years among non-Hispanic whites, and 77.3 years among non-Hispanic blacks. Over the past ten years, life expectancy increased 1.3 years (1.6%) among Hispanics, 1.3 years (1.6%) among non-Hispanic whites, and 1.9 years (2.5%) among non-Hispanic blacks.

Mortality

- The citywide age-adjusted death rate increased slightly over the past year, from 580.4 per 100,000 population in 2014 to 582.1 in 2015 (0.29% increase). From 2014 to 2015, the age-adjusted all-cause death rate increased among Hispanics by 1.48%, among non-Hispanic whites by 0.31%, and among non-Hispanic blacks by 1.42%; and decreased among Asians and Pacific Islanders by 0.55%. Over the past ten years, the citywide age-adjusted death rate decreased by 15.9%.
- Between 2006 and 2015, the age-adjusted all-cause death rates decreased among non-Hispanic blacks by 16.5%, among Hispanics by 14.3%, among non-Hispanic whites by 14.1%, and among Asians and Pacific Islanders by 6.1%.
- Age-adjusted premature mortality rates declined by 18.9% citywide over the past ten years. From 2006 to 2015, age-adjusted premature death (age <65 years) rates declined by 20.3% among non-Hispanic blacks, 18.9% among Hispanics, 16.2% among non-Hispanic whites, and 7.9% among Asians and Pacific Islanders.

Infant Mortality

- In 2015, New York City had an infant mortality rate of 4.3 infant deaths per 1,000 live births, a slight increase since 2014 (4.2 per 1,000 live births). Due to the small number of deaths, the rate will fluctuate from year to year.
- The infant mortality rate declined by 27.1% since 2006.
- Compared to non-Hispanic whites, the infant mortality rate for non-Hispanic blacks was 3.0 times higher, and the rate for Puerto Ricans was 2.3 times higher.

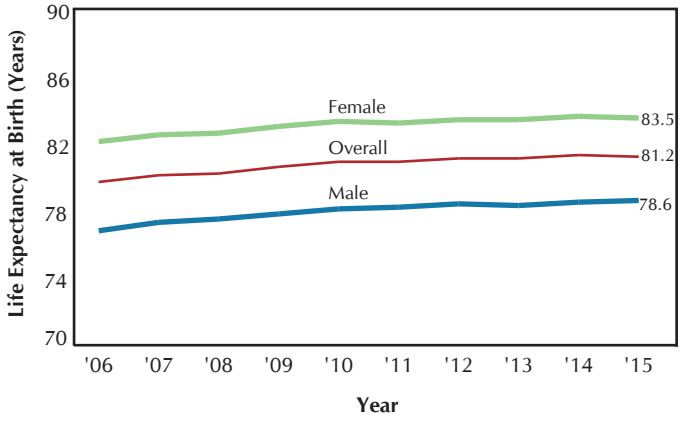
Pregnancy Outcomes

- The 2015 citywide crude birth rate was 14.2 births per 1,000 population. New York City's birth rate decreased by 1.4% since 2014 and by 9.0% since 2006.
- In 2015, the birth rate was highest among Asians and Pacific Islanders at 16.6 births per 1,000 population, followed by 14.7 among non-Hispanic whites, 14.3 among Hispanics, and 12.1 among non-Hispanic blacks.
- In 2015, the community district with the highest crude birth rate was Borough Park with 27.5 births per 1,000 population; the community district with the lowest crude birth rate was Bayside with 5.9 births per 1,000 population.
- From 2006 to 2015, birth rates fell among all teenagers regardless of age, and the overall rate of teen birth (births to women <20) declined by 46.8%. Among teens less than 18 years of age, the birth rate declined over that period by 53.3%; among women 18-19, it declined by 44.4%.
- Induced and spontaneous terminations of pregnancy continued to decline from 2014 to 2015, decreasing 5.2% and 12.1%, respectively.

For more detailed information, including additional data and details on how to submit data requests, please visit http://www1.nyc.gov/site/doh/data/data-sets/vital-statistics-data.page, or email vsdata@health.nyc.gov.

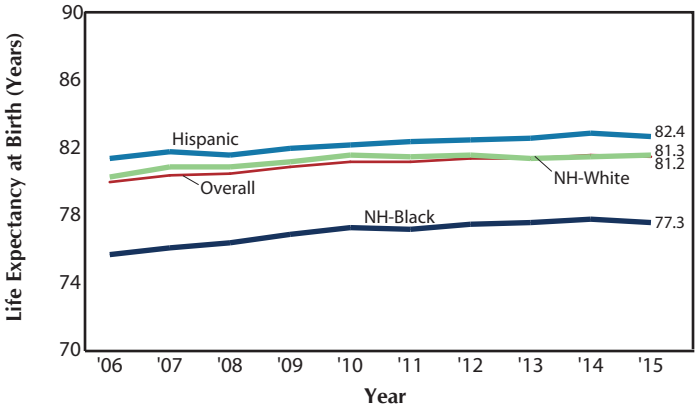
LIFE EXPECTANCY

Figure 1. Life Expectancy at Birth, Overall and by Sex, New York City, 2006–2015



- New York City's life expectancy at birth in 2015 was 81.2 years, a 0.1-year decrease since 2014 and a 1.5-year increase since 2006.
- The life expectancy among males was 78.6 years, a 0.1-year increase since 2014 and a 1.8-year increase since 2006.
- The life expectancy among females was 83.5 years, a 0.1-year decrease since 2014 and a 1.4-year increase since 2006.

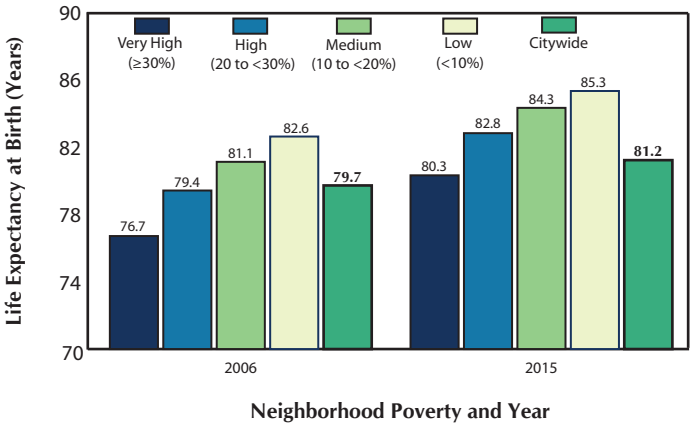
Figure 2. Life Expectancy at Birth by Racial/Ethnic* Group, New York City, 2006–2015



*Life expectancy among Asians and Pacific Islanders is not displayed because the required single year age population denominators are too small to produce reliable estimates (Appendix B, Technical Notes: Population, Life Expectancy).

- The New York City 2015 life expectancy at birth was 82.4 years among Hispanics, 81.3 years among non-Hispanic whites, and 77.3 years among non-Hispanic blacks.
- Life expectancy increased across all racial/ethnic groups from 2006 to 2015: 1.3 years among Hispanics, 1.3 years among non-Hispanic whites, and 1.9 years among non-Hispanic blacks. From 2014 to 2015, life expectancy decreased 0.2 years among non-Hispanic blacks and Hispanics, and increased 0.1 years among non-Hispanic whites.

Figure 3. Life Expectancy at Birth by Neighborhood Poverty*, New York City, 2006 and 2015

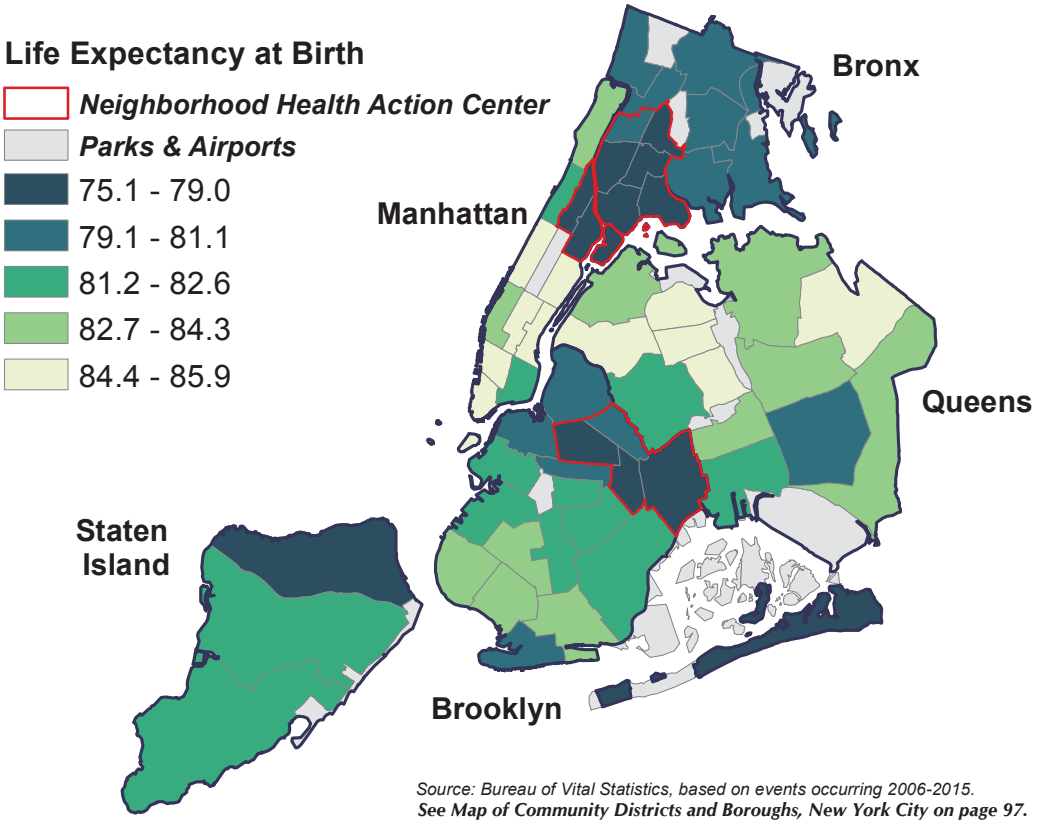


*Neighborhood poverty (based on decedent's residential census tract) defined as percent of residents with incomes below 100% of the Federal Poverty Level, per American Community Survey (ACS) 2005-2009 for 2006 data and per ACS 2010-2015 for 2015 data.

- Life expectancy increased across all categories of neighborhood poverty between 2006 and 2015. For very high poverty areas, life expectancy increased by 3.6 years as compared to 2.7 years for low poverty areas.
- The difference in life expectancy between very high and low poverty areas in 2015 was 5.0 years as compared to 5.9 in 2006.

LIFE EXPECTANCY

Figure 4. Life Expectancy at Birth by Community District, New York City, 2006-2015



Source: Bureau of Vital Statistics, based on events occurring 2006-2015.
See Map of Community Districts and Boroughs, New York City on page 97.

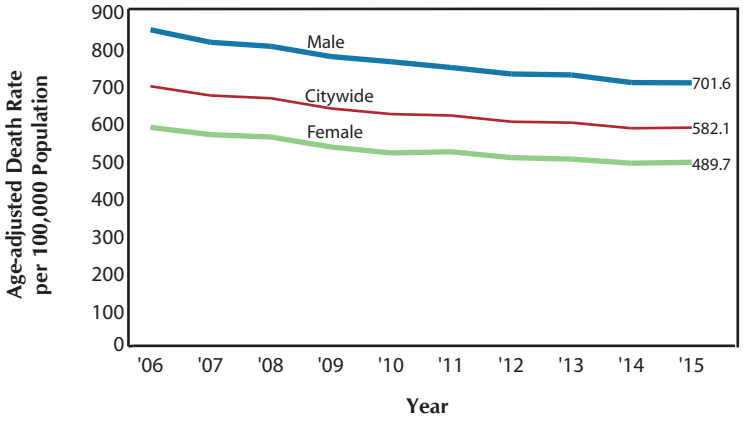
- In 2015, New York City's life expectancy at birth was highest in Murray Hill (85.9), the Upper East Side (85.9), Battery Park/ Tribeca (85.8), Greenwich Village/SOHO (85.8), and Elmhurst/Corona (85.6).
- In 2015, life expectancy at birth was lowest in Brownsville (75.1), Morrisania (76.2), Central Harlem (76.2), The Rockaways (76.5), and Bedford Stuyvesant (76.8).

Life Expectancy at Birth by Community District (CD) of Residence, New York City, 2006-2015

CD	MANHATTAN	Life Expectancy at Birth	CD	BRONX	Life Expectancy at Birth	CD	BROOKLYN	Life Expectancy at Birth	CD	QUEENS	Life Expectancy at Birth
MN01	Battery Park, Tribeca	85.8	BX01	Mott Haven	77.6	BK01	Williamsburg, Greenpoint	81.1	QN01	Astoria, Long Island City	83.4
MN02	Greenwich Village, SOHO	85.8	BX02	Hunts Point	78.9	BK02	Fort Greene, Brooklyn Heights	80.6	QN02	Sunnyside, Woodside	85.4
MN03	Lower East Side	82.2	BX03	Morrisania	76.2	BK03	Bedford Stuyvesant	76.8	QN03	Jackson Heights	84.7
MN04	Chelsea, Clinton	83.1	BX04	Concourse, Highbridge	78.6	BK04	Bushwick	80.4	QN04	Elmhurst, Corona	85.6
MN05	Midtown Business District	84.8	BX05	University/Morris Heights	79.9	BK05	East New York	78.6	QN05	Ridgewood, Glendale	81.4
MN06	Murray Hill	85.9	BX06	East Tremont	77.7	BK06	Park Slope	81.4	QN06	Rego Park, Forest Hills	84.4
MN07	Upper West Side	84.7	BX07	Fordham	79.4	BK07	Sunset Park	82.6	QN07	Flushing	84.3
MN08	Upper East Side	85.9	BX08	Riverdale	80.9	BK08	Crown Heights North	79.3	QN08	Fresh Meadows, Briarwood	83.9
MN09	Manhattanville	81.4	BX09	Unionport, Soundview	79.7	BK09	Crown Heights South	81.2	QN09	Woodhaven	82.9
MN10	Central Harlem	76.2	BX10	Throgs Neck	81.1	BK10	Bay Ridge	83.1	QN10	Howard Beach	81.7
MN11	East Harlem	77.3	BX11	Pelham Parkway	79.9	BK11	Bensonhurst	83.8	QN11	Bayside	84.7
MN12	Washington Heights	84.0	BX12	Williamsbridge	81.0	BK12	Borough Park	84.2	QN12	Jamaica, St. Albans	80.5
						BK13	Coney Island	80.4	QN13	Queens Village	82.9
CD	**STATEN ISLAND**					BK14	Flatbush, Midwood	82.4	QN14	The Rockaways	76.5
S101	Port Richmond	79.0				BK15	Sheepshead Bay	83.7			
S102	Willowbrook, South Beach	81.2				BK16	Brownsville	75.1			
S103	Tottenville	81.3				BK17	East Flatbush	82.6			
						BK18	Canarsie	82.0			

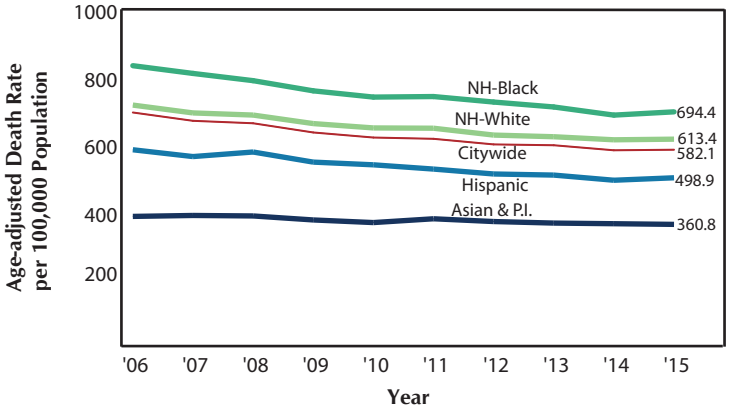
CITYWIDE MORTALITY

Figure 5. Age-adjusted Death Rates, Overall and by Sex, New York City, 2006–2015



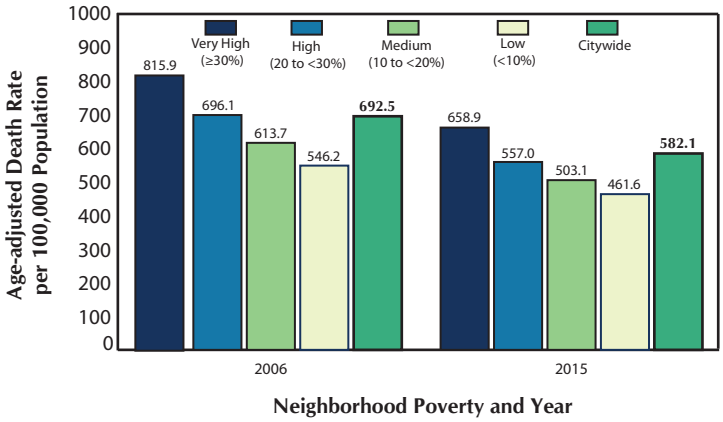
- Citywide age-adjusted death rates increased slightly over the past year, from 580.4 per 100,000 population in 2014 to 582.1 in 2015. Over the past ten years, the age-adjusted death rate decreased by 15.9%.
- From 2006 to 2015, age-adjusted all-cause death rates decreased by 16.8% among males, and by 16.0% among females. Although rates have tended to decrease among both sexes from year to year, and are consistently lower for females, rates for females increased slightly between 2014 and 2015.

Figure 6. Age-adjusted Death Rates by Racial/ Ethnic Group, New York City, 2006–2015



- Between 2006 and 2015, age-adjusted all-cause death rates decreased by 16.5% among non-Hispanic blacks, by 14.3% among Hispanics, by 14.1% among non-Hispanic whites, and by 6.1% among Asians and Pacific Islanders.
- In 2015, the death rate among non-Hispanic blacks was 13% higher than among non-Hispanic whites, similar to 2014. The death rate has continued to be higher among non-Hispanic blacks compared to non-Hispanic whites over time, although the gap has narrowed somewhat.

Figure 7. Age-adjusted Death Rates by Neighborhood Poverty*, New York City Residents, 2006 and 2015

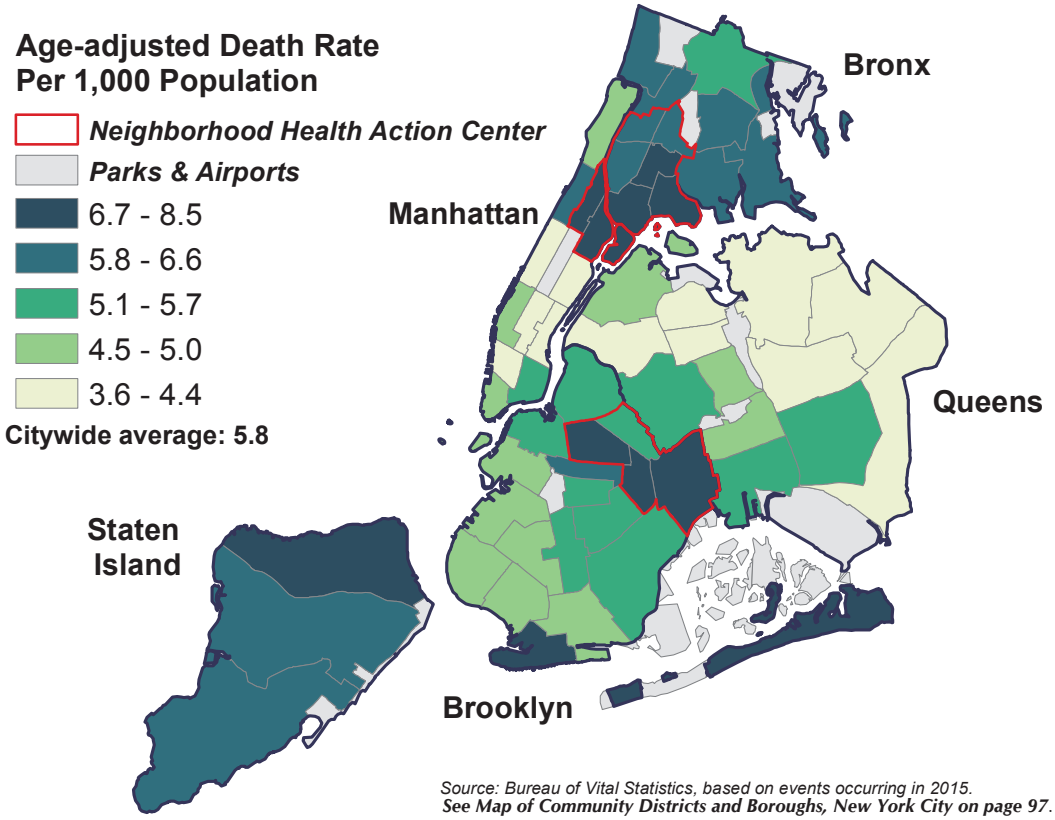


*Neighborhood poverty (based on decedent's residential census tract) defined as percent of residents with incomes below 100% of the Federal Poverty Level, per American Community Survey (ACS) 2005-2009 for 2006 data and per ACS 2010-2015 for 2015 data.

- Since 2006, age-adjusted death rates decreased across all categories of neighborhood poverty. Over that period, the rate decreased by 19.2% in very high poverty areas and by 15.5% in low poverty areas.
- The age-adjusted all-cause death rate was 1.4 times higher in areas with very high poverty compared to areas with low poverty in 2015, as compared to 1.5 times higher in 2006.

NEIGHBORHOOD MORTALITY

Figure 8. Age-adjusted Death Rates by Community District of Residence, New York City, 2015



Source: Bureau of Vital Statistics, based on events occurring in 2015.
See Map of Community Districts and Boroughs, New York City on page 97.

- In 2015, Central Harlem and Brownsville had the highest age-adjusted death rate, at 8.5 deaths per 1,000 population, followed by 7.7 in East Harlem, 7.3 in Morrisania, and 7.2 in Hunts Point, the Rockaways, and Mott Haven.
- In 2015, age-adjusted death rates were lowest in Greenwich Village/SOHO and in Sunnyside/Woodside at 3.6 deaths per 1,000 population, followed by 3.8 in Bayside, the Upper East Side, and Queens Village, 4.0 in Elmhurst/Corona, 4.1 in Murray Hill, and 4.2 in Flushing.

Age-adjusted Death Rates per 1,000 Population by Community District (CD) of Residence, New York City, 2015

CD	MANHATTAN	Age-adjusted Death Rates	CD	BRONX	Age-adjusted Death Rates	CD	BROOKLYN	Age-adjusted Death Rates	CD	QUEENS	Age-adjusted Death Rates
MN01	Battery Park, Tribeca	4.7	BX01	Mott Haven	7.2	BK01	Williamsburg, Greenpoint	5.3	QN01	Astoria, Long Island City	4.8
MN02	Greenwich Village, SOHO	3.6	BX02	Hunts Point	7.2	BK02	Fort Greene, Brooklyn Heights	5.7	QN02	Sunnyside, Woodside	3.6
MN03	Lower East Side	5.3	BX03	Morrisania	7.3	BK03	Bedford Stuyvesant	6.8	QN03	Jackson Heights	4.4
MN04	Chelsea, Clinton	4.5	BX04	Concourse, Highbridge	6.5	BK04	Bushwick	5.2	QN04	Elmhurst, Corona	4.0
MN05	Midtown Business District	4.3	BX05	University/Morris Heights	6.1	BK05	East New York	6.7	QN05	Ridgewood, Glendale	5.7
MN06	Murray Hill	4.1	BX06	East Tremont	6.6	BK06	Park Slope	5.0	QN06	Rego Park, Forest Hills	4.5
MN07	Upper West Side	4.4	BX07	Fordham	6.2	BK07	Sunset Park	5.0	QN07	Flushing	4.2
MN08	Upper East Side	3.8	BX08	Riverdale	6.5	BK08	Crown Heights North	6.2	QN08	Fresh Meadows, Briarwood	4.3
MN09	Manhattanville	5.8	BX09	Unionport, Soundview	6.0	BK09	Crown Heights South	5.7	QN09	Woodhaven	4.9
MN10	Central Harlem	8.5	BX10	Throgs Neck	6.0	BK10	Bay Ridge	4.8	QN10	Howard Beach	5.1
MN11	East Harlem	7.7	BX11	Pelham Parkway	6.5	BK11	Bensonhurst	4.9	QN11	Bayside	3.8
MN12	Washington Heights	4.8	BX12	Williamsbridge	5.4	BK12	Borough Park	4.7	QN12	Jamaica, St. Albans	5.2
						BK13	Coney Island	6.7	QN13	Queens Village	3.8
CD	STATEN ISLAND					BK14	Flatbush, Midwood	5.4	QN14	The Rockaways	7.2
S101	Port Richmond	6.6				BK15	Sheepshead Bay	5.0			
S102	Willowbrook, South Beach	6.0				BK16	Brownsville	8.5			
S103	Tottenville	6.2				BK17	East Flatbush	5.6			
						BK18	Canarsie	5.6			

LEADING CAUSES OF DEATH

Table 1. Ten Leading Causes of Death, Crude Death Rates per 100,000 Population, New York City, 2015, 2014, and 2006

	2015		2014			2006		
Cause	Rank	Crude Death Rate	Rank	Crude Death Rate	Change to 2015 (%)	Rank	Crude Death Rate	Change to 2015 (%)
Diseases of Heart*	1	200.3	1	194.5	3.0%	1	271.9	-26.3%
Malignant Neoplasms	2	155.8	2	157.6	-1.1%	2	163.3	-4.6%
Influenza and Pneumonia	3	24.5	3	26.1	-6.1%	3	32.1	-23.7%
Diabetes Mellitus	4	21.7	5	21.2	2.4%	4	21.3	1.9%
Cerebrovascular Diseases	5	21.6	6	21.0	2.9%	5	20.8	3.8%
Chronic Lower Respiratory Diseases	6	20.6	4	21.5	-4.2%	6	17.2	19.8%
Essential Hypertension and Renal Diseases	7	12.9	8	11.7	10.3%	10	9.4	37.2%
Alzheimer's Disease	8	12.6	10	9.3	35.5%	19	3.1	306.5%
Accidents Except Drug Poisoning	9	12.4	7	12.1	2.5%	8	13.9	-10.8%
Use of or Poisoning by Psychoactive Substance†	10	12.3	9	10.5	17.1%	9	12.2	0.8%

*See the *2010 Summary of Vital Statistics: Mortality – Special Section: Cause of Death Quality Improvement Initiative* for information on the recent trends in cause of death reporting, particularly heart disease.

†Appendix B Technical Notes: Drug-Related Deaths.

- Heart disease and malignant neoplasms (cancer) continue to rank as the top leading causes of death, with crude rates that far exceed all other causes. Compared to influenza/pneumonia—the third leading cause of death in 2015—crude death rates related to heart disease were 8.2 times higher, and crude rates related to cancer were 6.4 times higher.
- The top 10 leading causes of deaths in New York City remained the same as 2014, but the order of rankings changed.
- Compared to 10 years ago, HIV disease has dropped out from the top 10 leading causes and Alzheimer's disease has risen from the 19th leading cause in 2006 to the 8th in 2015.
- Despite a slight increase since the previous year, the rate for heart disease has decreased substantially by 26.3% from 10 years ago; while the rate for influenza/pneumonia continues to decline, 23.7% since 2006. Although the rate for chronic lower respiratory disease has decreased since 2014, it is still higher than 10 years ago. The rate for essential hypertension continues to increase substantially, by 10.3% since 2014 and by 37.2% since 2006.
- The mortality rate for Alzheimer's disease increased dramatically over the past ten years, and over the past year, reflecting the aging of the population. However, sharp increases in Alzheimer's disease observed since 2009 can be partially attributed to efforts to improve cause of death reporting.
- The rate for deaths attributed to non-drug related accidents declined by 10.8% since 2006, but increased slightly since 2014. The mortality rate related to use of or poisoning by a psychoactive substance increased by 17.1% since 2014, and was similar to the rate in 2006.
- Diabetes mellitus ranked as the 4th leading cause of death in 2015, up from 5th in 2014 and 2013.

LEADING CAUSES OF DEATH

Table 2. Leading Causes of Death by Age Group and Sex, New York City, 2015

		All		Male		Female	
Rank	ALL AGES	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Diseases of Heart	17,125	31.6	8,269	31.1	8,856	32.2
2	Malignant Neoplasms	13,318	24.6	6,501	24.4	6,817	24.8
3	Influenza and Pneumonia	2,096	3.9	998	3.8	1,098	4.0
4	Diabetes Mellitus	1,852	3.4	929	3.5	923	3.4
5	Cerebrovascular Diseases	1,847	3.4	808	3.0	1,039	3.8
6	Chronic Lower Respiratory Diseases	1,762	3.3	796	3.0	966	3.5
7	Essential Hypertension and Hypertensive Renal Disease	1,105	2.0	504	1.9	601	2.2
8	Alzheimer's Disease	1,079	2.0	313	1.2	766	2.8
9	Accidents Except Poisoning by Psychoactive Substance	1,056	2.0	688	2.6	368	1.3
10	Use of or Poisoning by Psychoactive Substance	1,051	1.9	791	3.0	260	0.9
	All Other Causes	11,829	21.9	6,008	22.6	5,821	21.2
	Total	54,120	100.0	26,605	100.0	27,515	100.0
Rank	< 1 YEAR	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Congenital Malformations, Deformations	101	19.2	43	14.7	58	24.8
1	Short Gestation and Low Birthweight	101	19.2	67	22.9	34	14.5
3	External Causes	61	11.6	38	13.0	23	9.8
4	Cardiovascular Disorders Originating in the Perinatal Period	58	11.0	27	9.2	31	13.2
5	Respiratory Distress of Newborn	20	3.8	8	2.7	12	5.1
6	Necrotizing Enterocolitis Of Newborn	17	3.2	11	3.8	6	2.6
7	Diseases of Heart	15	2.7	7	2.4	8	3.0
8	Bacterial Sepsis of Newborn	10	1.9	5	1.7	5	2.1
9	Newborn Affected by Complications of Placenta	9	1.7	6	2.1	3	1.3
10	Pulmonary Hemorrhage in Perinatal Period	8	1.5	4	1.4	4	1.7
	All Other Causes	126	24.0	76	26.0	50	21.4
	Total	526	100.0	292	100.0	234	100.0
Rank	1 - 14 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	40	21.7	22	23.4	18	20.0
2	Congenital Malformations, Deformations	27	14.7	13	13.8	14	15.6
3	Accidents Except Poisoning by Psychoactive Substance	23	12.5	10	10.6	13	14.4
4	Chronic Lower Respiratory Diseases	9	4.9	6	6.4	3	3.3
5	Diseases of Heart	7	3.8	3	3.2	4	4.4
6	Benign and Uncertain Neoplasms	6	3.3	2	2.1	4	4.4
6	Assault (Homicide)	6	3.3	4	4.3	2	2.2
	All Other Causes	66	35.9	34	36.2	32	35.6
	Total	184	100.0	94	100.0	90	100.0
Rank	15 - 24 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Assault (Homicide)	108	20.0	101	26.4	7	4.5
2	Use of or Poisoning by Psychoactive Substance	72	13.3	52	13.6	20	12.7
3	Intentional Self-harm (Suicide)	67	12.4	46	12.0	21	13.4
4	Accidents Except Poisoning by Psychoactive Substance	59	10.9	47	12.3	12	7.6
5	Malignant Neoplasms	57	10.6	35	9.1	22	14.0
6	Diseases of Heart	15	2.8	6	1.6	9	5.7
7	Influenza and Pneumonia	12	2.2	6	1.6	6	3.8
8	Congenital Malformations, Deformations	11	2.0	7	1.8	4	2.5
9	Human Immunodeficiency Virus (HIV) Disease	8	1.5	5	1.3	3	1.9
10	Cerebrovascular Diseases	7	1.3	6	1.6	1	0.6
10	Chronic Lower Respiratory Diseases	7	1.3	3	0.8	4	2.5
	All Other Causes	117	21.7	69	18.0	48	30.6
	Total	540	100.0	383	100.0	157	100.0
Rank	25 - 34 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Use of or Poisoning by Psychoactive Substance	203	20.1	160	23.5	43	13.1
2	Malignant Neoplasms	135	13.4	62	9.1	73	22.3
3	Assault (Homicide)	111	11.0	97	14.2	14	4.3
4	Intentional Self-harm (Suicide)	94	9.3	69	10.1	25	7.6
5	Accidents Except Poisoning by Psychoactive Substance	81	8.0	61	8.9	20	6.1
6	Diseases of Heart	75	7.4	49	7.2	26	7.9
7	Human Immunodeficiency Virus (HIV) Disease	28	2.8	21	3.1	7	2.1
7	Diabetes Mellitus	28	2.8	16	2.3	12	3.7
9	Mental Disorder Due to Use of Alcohol	14	1.4	8	1.2	6	1.8
9	Pregnancy, Childbirth, and the Puerperium	14	1.4	-	-	14	4.3
	All Other Causes	227	22.5	139	20.4	88	26.8
	Total	1,010	100.0	682	100.0	328	100.0

Continued on next page.

LEADING CAUSES OF DEATH

Table 2. Leading Causes of Death by Age Group and Sex, New York City, 2015 (Continued)

Rank	35 - 44 YEARS	All		Male		Female	
		Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	353	23.1	143	15.3	210	35.3
2	Diseases of Heart	229	15.0	167	17.9	62	10.4
3	Use of or Poisoning by Psychoactive Substance	194	12.7	147	15.7	47	7.9
4	Intentional Self-harm (Suicide)	79	5.2	47	5.0	32	5.4
4	Accidents Except Poisoning by Psychoactive Substance	79	5.2	58	6.2	21	3.5
6	Assault (Homicide)	66	4.3	57	6.1	9	1.5
7	Human Immunodeficiency Virus (HIV) Disease	64	4.2	32	3.4	32	5.4
8	Chronic Liver Disease and Cirrhosis	55	3.6	39	4.2	16	2.7
9	Diabetes Mellitus	43	2.8	30	3.2	13	2.2
10	Cerebrovascular Diseases	33	2.2	21	2.2	12	2.0
	All Other Causes	334	21.8	193	20.7	141	23.7
	Total	1,529	100.0	934	100.0	595	100.0
Rank	45 - 54 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	1,091	28.3	501	21.5	590	38.7
2	Diseases of Heart	827	21.5	579	24.9	248	16.3
3	Use of or Poisoning by Psychoactive Substance	313	8.1	228	9.8	85	5.6
4	Human Immunodeficiency Virus (HIV) Disease	143	3.7	97	4.2	46	3.0
5	Diabetes Mellitus	139	3.6	83	3.6	56	3.7
6	Intentional Self-harm (Suicide)	119	3.1	73	3.1	46	3.0
7	Accidents Except Poisoning by Psychoactive Substance	116	3.0	93	4.0	23	1.5
8	Chronic Liver Disease and Cirrhosis	115	3.0	87	3.7	28	1.8
9	Cerebrovascular Diseases	114	3.0	63	2.7	51	3.3
10	Influenza and Pneumonia	83	2.2	46	2.0	37	2.4
	All Other Causes	791	20.5	475	20.4	316	20.7
	Total	3,851	100.0	2,325	100.0	1,526	100.0
Rank	55 - 64 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	2,506	34.9	1,318	30.2	1,188	42.2
2	Diseases of Heart	1,778	24.7	1,215	27.8	563	20.0
3	Diabetes Mellitus	309	4.3	192	4.4	117	4.2
4	Use of or Poisoning by Psychoactive Substance	214	3.0	160	3.7	54	1.9
5	Cerebrovascular Diseases	208	2.9	128	2.9	80	2.8
6	Chronic Liver Disease and Cirrhosis	202	2.8	139	3.2	63	2.2
6	Chronic Lower Respiratory Diseases	202	2.8	99	2.3	103	3.7
8	Influenza and Pneumonia	179	2.5	112	2.6	67	2.4
9	Accidents Except Poisoning by Psychoactive Substance	170	2.4	127	2.9	43	1.5
10	Human Immunodeficiency Virus (HIV) Disease	141	2.0	103	2.4	38	1.3
	All Other Causes	1,278	17.8	777	17.8	501	17.8
	Total	7,187	100.0	4,370	100.0	2,817	100.0
Rank	65 - 74 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	3,439	35.7	1,747	32.7	1,692	39.4
2	Diseases of Heart	2,709	28.1	1,672	31.3	1,037	24.1
3	Diabetes Mellitus	419	4.3	224	4.2	195	4.5
4	Chronic Lower Respiratory Diseases	344	3.6	165	3.1	179	4.2
5	Influenza and Pneumonia	303	3.1	172	3.2	131	3.0
6	Cerebrovascular Diseases	281	2.9	155	2.9	126	2.9
7	Essential Hypertension and Hypertensive Renal Disease	172	1.8	89	1.7	83	1.9
8	Chronic Liver Disease and Cirrhosis	144	1.5	101	1.9	43	1.0
9	Accidents Except Poisoning by Psychoactive Substance	143	1.5	92	1.7	51	1.2
10	Viral Hepatitis	88	0.9	58	1.1	30	0.7
	All Other Causes	1,603	16.6	871	16.3	732	17.0
	Total	9,645	100.0	5,346	100.0	4,299	100.0
Rank	75 - 84 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Diseases of Heart	4,092	33.5	2,148	35.1	1,944	31.9
2	Malignant Neoplasms	3,295	27.0	1,629	26.6	1,666	27.3
3	Influenza and Pneumonia	553	4.5	309	5.0	244	4.0
4	Chronic Lower Respiratory Diseases	530	4.3	270	4.4	260	4.3
5	Cerebrovascular Disease	487	4.0	221	3.6	266	4.4
5	Diabetes Mellitus	487	4.0	226	3.7	261	4.3
7	Essential Hypertension and Hypertensive Renal Disease	299	2.4	138	2.3	161	2.6
8	Alzheimer's Disease	246	2.0	92	1.5	154	2.5
9	Accidents Except Poisoning by Psychoactive Substance	164	1.3	92	1.5	72	1.2
10	Parkinsons Disease	141	1.2	89	1.5	52	0.9
	All Other Causes	1,926	15.8	880	14.4	1,046	17.1
	Total	12,220	100.0	6,126	100.0	6,094	100.0
Rank	≥85 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Diseases of Heart	7,378	42.3	2,423	40.0	4,955	43.6
2	Malignant Neoplasms	2,399	13.8	1,042	17.2	1,357	11.9
3	Influenza and Pneumonia	939	5.4	336	5.6	603	5.3
4	Alzheimer's Disease	779	4.5	198	3.3	581	5.1
5	Cerebrovascular Diseases	698	4.0	204	3.4	494	4.3
6	Chronic Lower Respiratory Diseases	570	3.3	207	3.4	363	3.2
7	Essential Hypertension and Hypertensive Renal Disease	447	2.6	155	2.6	292	2.6
8	Diabetes Mellitus	422	2.4	155	2.6	267	2.3
9	Accidents Except Poisoning by Psychoactive Substance	212	1.2	102	1.7	110	1.0
10	Septicemia	179	1.0	58	1.0	121	1.1
	All Other Causes	3,405	19.5	1,173	19.4	2,232	19.6
	Total	17,428	100.0	6,053	100.0	11,375	100.0

LEADING CAUSES OF DEATH

Table 3. Leading Causes of Death by Racial/Ethnic Group*, New York City, 2015†

Rank	Puerto Rican	Other Hispanic	Asian and Pacific Islander	Non-Hispanic White	Non-Hispanic Black
1	Diseases of Heart	Diseases of Heart	Malignant Neoplasms	Diseases of Heart	Diseases of Heart
2	Malignant Neoplasms	Malignant Neoplasms	Diseases of Heart	Malignant Neoplasms	Malignant Neoplasms
3	Diabetes Mellitus	Cerebrovascular Diseases	Influenza and Pneumonia	Influenza and Pneumonia	Diabetes Mellitus
4	Influenza and Pneumonia	Diabetes Mellitus	Cerebrovascular Diseases	Chronic Lower Respiratory Diseases	Cerebrovascular Diseases
5	Chronic Lower Respiratory Diseases	Influenza and Pneumonia	Diabetes Mellitus	Cerebrovascular Diseases	Influenza and Pneumonia
6	Use of or Poisoning by Psychoactive Substance	Accidents Except Poisoning by Psychoactive Substance	Chronic Lower Respiratory Diseases	Alzheimer's Disease	Chronic Lower Respiratory Diseases
7	Cerebrovascular Diseases	Use of or Poisoning by Psychoactive Substance	Accidents Except Poisoning by Psychoactive Substance	Diabetes Mellitus	Essential Hypertension and Hypertensive Renal Disease
8	Alzheimer's Disease	Chronic Lower Respiratory Diseases	Essential Hypertension and Hypertensive Renal Disease	Accidents Except Poisoning by Psychoactive Substance	Human Immunodeficiency Virus (HIV) Disease
9	Chronic Liver Disease and Cirrhosis	Alzheimer's Disease	Alzheimer's Disease	Use of or Poisoning by Psychoactive Substance	Assault (Homicide)
10	Human Immunodeficiency Virus (HIV) Disease	Chronic Liver Disease and Cirrhosis‡	Intentional Self-harm (Suicide)	Essential Hypertension and Hypertensive Renal Disease	Accidents Except Poisoning by Psychoactive Substance
		Essential Hypertension and Hypertensive Renal Disease‡			

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

† Counts and percentages for this table can be found in Table M8 on page 50.

‡ Tied ranking

- Heart disease and malignant neoplasms (cancer) are the leading causes of death among all racial/ethnic groups. Among Asians and Pacific Islanders, cancer is ranked first and heart disease is ranked second.
- Diabetes mellitus is the third leading cause of death among Puerto Ricans and non-Hispanic blacks; it ranks fourth among Other Hispanics, fifth among Asians and Pacific Islanders, and seventh among non-Hispanic whites.
- HIV is a leading cause of death among Puerto Ricans (10th) and non-Hispanic blacks (8th), and is not ranked as a leading cause of death among Other Hispanics, Asians and Pacific Islanders, and non-Hispanic whites.
- Use of or poisoning by psychoactive substance (drug-related deaths) is a leading cause of death among Puerto Ricans (6th), Other Hispanics (7th), and non-Hispanic whites (9th).
- Essential hypertension and hypertensive renal disease is a leading cause of death among all groups except Puerto Ricans. It ranks seventh among non-Hispanic blacks, eighth among Asians and Pacific Islanders, and tenth among Other Hispanics and non-Hispanic whites.
- Intentional self-harm (suicide) is a leading cause of death among Asians and Pacific Islanders only (10th). Assault (homicide) is a leading cause of death among non-Hispanic blacks only (9th).

PREMATURE DEATH

- OneNYC, Mayor De Blasio's plan for a strong and just city, seeks to reduce premature deaths to 143.3 deaths per 100,000 population by 2040 and to decrease disparities among racial/ethnic groups.
- The age-adjusted premature death rate declined to 184.5 per 100,000 population in 2015, a small decrease since 2014 and an 18.9% decrease since 2006.

Figure 9. Age-adjusted Premature Death (Age <65 years) Rates, Overall and by Sex, New York City, 2006–2015

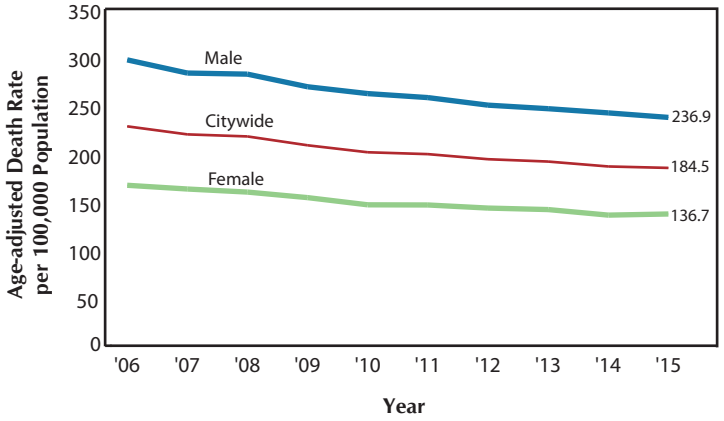
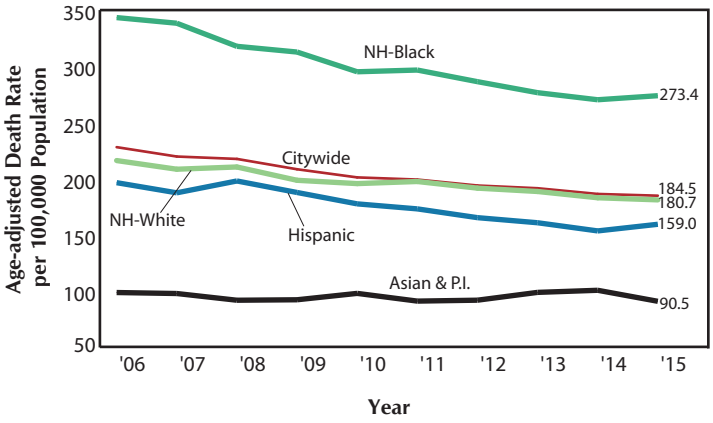


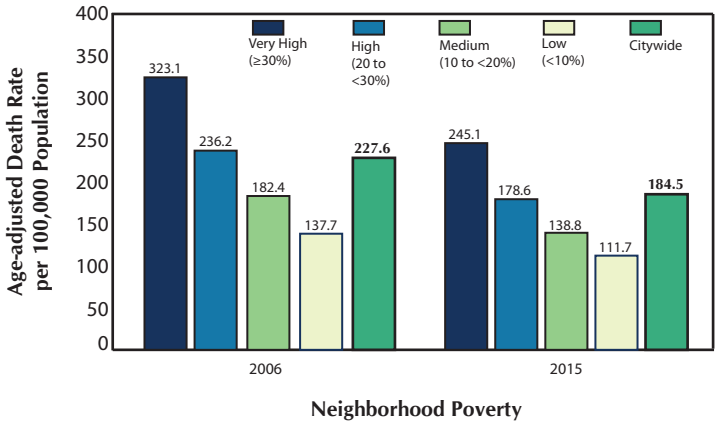
Figure 10. Age-adjusted Premature Death (Age <65 years) Rates by Racial/Ethnic Group, New York City, 2006–2015



- From 2006 to 2015, age-adjusted premature death (age <65 years) rates declined by 20.3% among non-Hispanic blacks, 18.9% among Hispanics, 16.2% among non-Hispanic whites, and 7.9% among Asians and Pacific Islanders.
- Non-Hispanic blacks had the highest age-adjusted premature death rate, 51.3% higher than non-Hispanic whites, and were the only racial/ethnic group above the citywide average.

- The age-adjusted premature mortality rate decreased across all categories of neighborhood poverty between 2006 and 2015. Over that time, it decreased by 18.9% in low poverty neighborhoods, 23.9% in medium poverty neighborhoods, 24.4% in high poverty neighborhoods, and 24.1% in very high poverty neighborhoods.
- Despite declines, the gap between very high and low poverty neighborhoods remains pronounced. High poverty neighborhoods experienced an age-adjusted premature mortality rate that was 2.2 times higher than that in low poverty neighborhoods in 2015.

Figure 11. Age-adjusted Premature Death (Age <65 years) Rates by Neighborhood Poverty*, New York City Residents, 2006 and 2015



*Neighborhood poverty (based on decedent's residential census tract) defined as percent of residents with incomes below 100% of the Federal Poverty Level, per American Community Survey (ACS) 2005-2009 for 2006 data and per ACS 2010-2015 for 2015 data.

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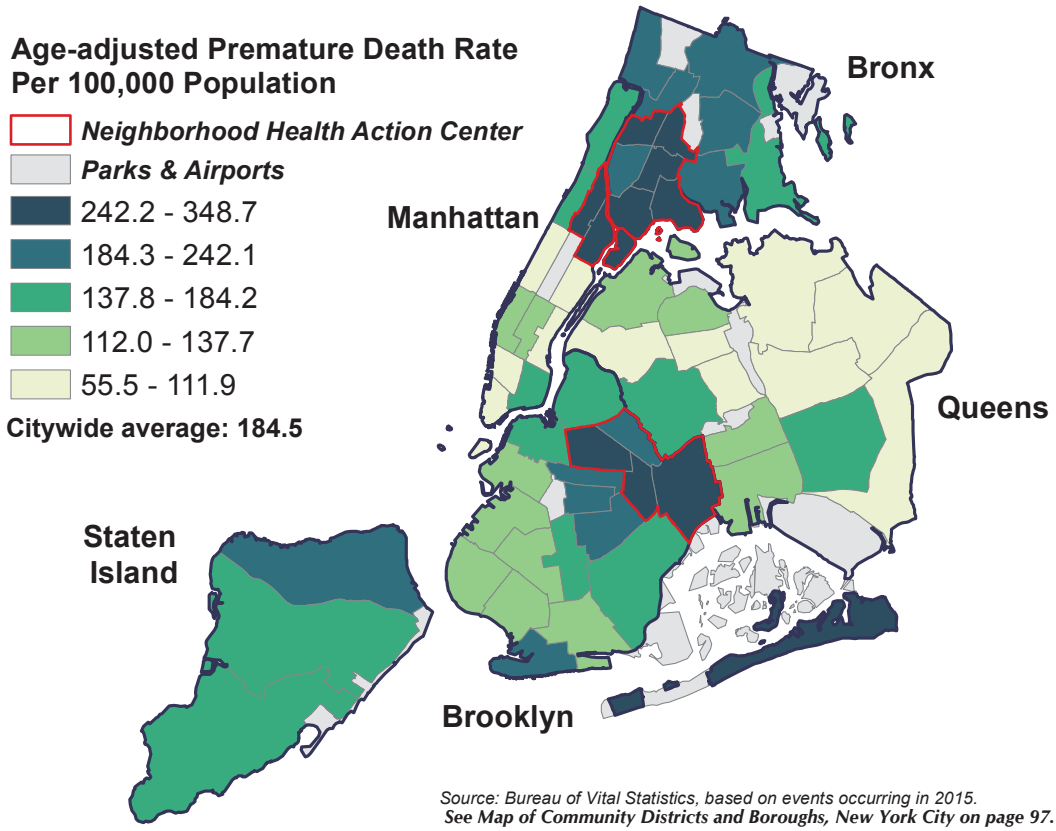
Figure 12. Age-adjusted Premature Death (Age <65 years) Rates by Community District of Residence, New York City, 2015



Source: Bureau of Vital Statistics, based on events occurring in 2015.
See Map of Community Districts and Boroughs, New York City on page 97.

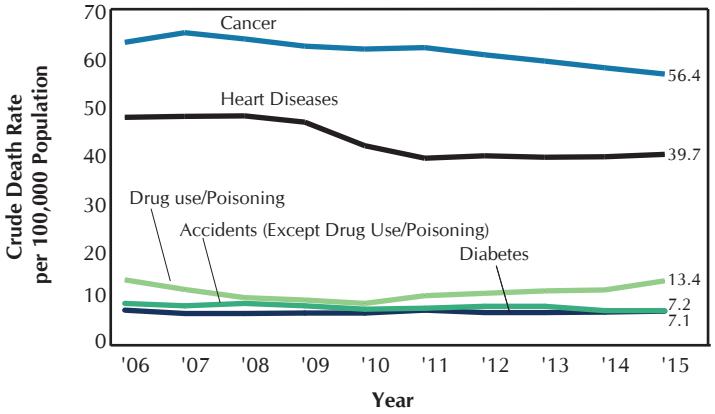
- In 2015, New York City age-adjusted premature death rates were highest in Brownsville at 348.7 deaths per 100,000 population, followed by 304.6 in Morrisania, 297.8 in Mott Haven, 287.6 in Hunts Point, and 285.7 in East Tremont.
- In 2015, age-adjusted premature death rates were lowest in Greenwich Village/SOHO at 55.5 deaths per 100,000 population, followed by 81.7 on the Upper East Side, 84.0 in Murray Hill, 85.2 in Bayside, and 90.3 in Battery Park/Tribeca.

Age-adjusted Premature Death Rates per 100,000 Population by Community District (CD) of Residence, New York City, 2015

CD	MANHATTAN	Age-adjusted Premature Death Rate	CD	BRONX	Age-adjusted Premature Death Rate	CD	BROOKLYN	Age-adjusted Premature Death Rate	CD	QUEENS	Age-adjusted Premature Death Rate
MN01	Battery Park, Tribeca	90.3	BX01	Mott Haven	297.8	BK01	Williamsburg, Greenpoint	147.4	QN01	Astoria, Long Island City	130.6
MN02	Greenwich Village, SOHO	55.5	BX02	Hunts Point	287.6	BK02	Fort Greene, Brooklyn Heights	184.2	QN02	Sunnyside, Woodside	100.1
MN03	Lower East Side	165.8	BX03	Morrisania	304.6	BK03	Bedford Stuyvesant	245.4	QN03	Jackson Heights	119.4
MN04	Chelsea, Clinton	117.9	BX04	Concourse, Highbridge	242.1	BK04	Bushwick	190.7	QN04	Elmhurst, Corona	105.7
MN05	Midtown Business District	119.5	BX05	University/Morris Heights	242.3	BK05	East New York	258.6	QN05	Ridgewood, Glendale	139.5
MN06	Murray Hill	84.0	BX06	East Tremont	285.7	BK06	Park Slope	127.5	QN06	Rego Park, Forest Hills	94.6
MN07	Upper West Side	111.2	BX07	Fordham	205.1	BK07	Sunset Park	128.2	QN07	Flushing	104.0
MN08	Upper East Side	81.7	BX08	Riverdale	187.6	BK08	Crown Heights North	229.0	QN08	Fresh Meadows, Briarwood	111.9
MN09	Manhattanville	152.7	BX09	Unionport, Soundview	219.0	BK09	Crown Heights South	197.2	QN09	Woodhaven	134.3
MN10	Central Harlem	278.5	BX10	Throgs Neck	162.9	BK10	Bay Ridge	122.7	QN10	Howard Beach	137.7
MN11	East Harlem	266.4	BX11	Pelham Parkway	212.6	BK11	Bensonhurst	131.0	QN11	Bayside	85.2
MN12	Washington Heights	139.5	BX12	Williamsbridge	200.9	BK12	Borough Park	114.1	QN12	Jamaica, St. Albans	183.2
						BK13	Coney Island	218.5	QN13	Queens Village	108.5
CD	STATEN ISLAND					BK14	Flatbush, Midwood	153.2	QN14	The Rockaways	282.0
S101	Port Richmond	232.9				BK15	Sheepshead Bay	125.1			
S102	Willowbrook, South Beach	172.7				BK16	Brownsville	348.7			
S103	Tottenville	139.5				BK17	East Flatbush	216.3			
						BK18	Canarsie	160.4			

PREMATURE DEATH

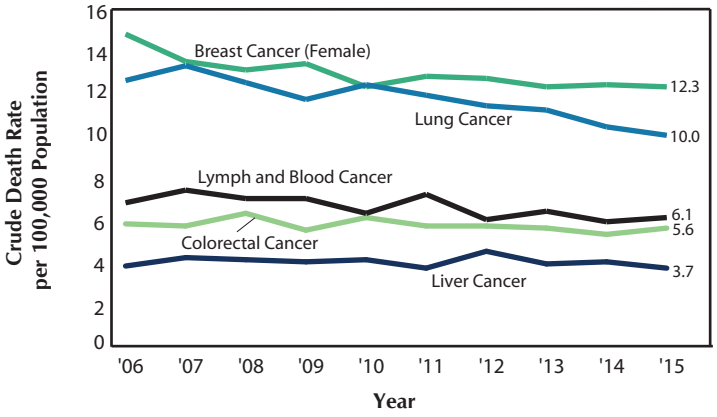
Figure 13. Leading Causes of Premature Death (Age < 65 years), New York City, 2006–2015



*See the 2010 Summary of Vital Statistics: Mortality – Special Section: *Cause of Death Quality Improvement Initiative*.

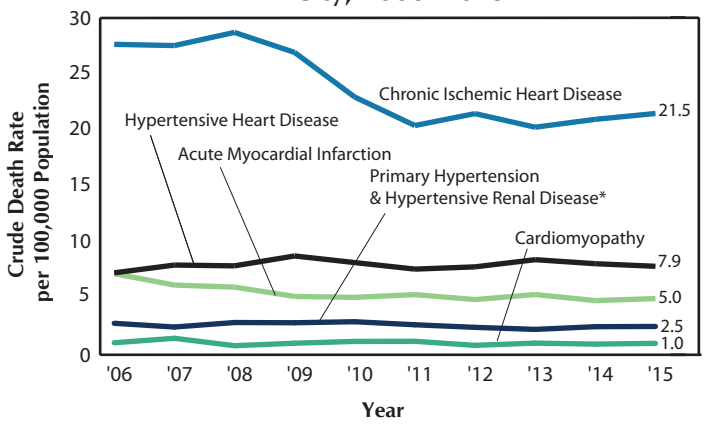
- In 2015, cancer and heart disease-related premature death rates were higher than rates for any other causes (56.4 and 39.7 per 100,000 population, respectively). Over the past ten years, rates have declined for both (by 10.5% and 16.2%, respectively). The sharper decline in heart disease death rates from 2009 to 2011 was partly due to improved cause of death reporting*.
- Drug use/poisoning, accidents unrelated to poisoning, and diabetes accounted for the third, fourth and fifth leading causes of premature death in 2015, consistent with prior recent years.
- The rate of drug-related deaths increased over the past year by 16.5%, and was similar to the rate from ten years ago (13.4 in 2015 vs. 13.6 in 2006). Other accident-related deaths declined over the past ten years and were the same in 2015 as for the prior year (7.2 per 100,000 population). Rates for diabetes declined slightly since 2006 and increased slightly over the past year.

Figure 14. Leading Causes of Premature Cancer Deaths (Age < 65 years), New York City, 2006–2015



- Breast (female) and lung cancers account for the highest cancer-related death rates in New York City, at 12.3 and 10.0 deaths per 100,000 population respectively. Breast (female) cancer and lung cancer death rates declined by 16.9% and 20.6%, respectively, since 2006.
- Lymph and blood, colon, and liver cancers account for the third, fourth and fifth highest rates of cancer-related death, at 6.1, 5.6, and 3.7 deaths per 100,000 population, respectively. Death rates for these cancers have declined modestly since 2006.

Figure 15. Leading Causes of Premature Heart Disease Deaths (Age < 65 years), New York City, 2006–2015



*Essential (Primary) Hypertension and Hypertensive Renal Disease.

†See the 2010 Summary of Vital Statistics: Mortality – Special Section: *Cause of Death Quality Improvement Initiative*.

- The crude rate of the leading cause of premature heart disease deaths, chronic ischemic heart disease, decreased 22.1% since 2006. The sharper decline from 2009 to 2011 was partly due to efforts to improve the accuracy of cause of death reporting.†
- Since 2006, hypertensive heart disease increased 8.2%, acute myocardial infarction decreased 30.6%, and cardiomyopathy decreased 10.7%.

PREMATURE DEATH

Table 4. Leading Causes of Premature Death (Age <65 Years) by Racial/Ethnic Group*, New York City, 2015†

Rank	Puerto Rican	Other Hispanic	Asian and Pacific Islander	Non-Hispanic White	Non-Hispanic Black
1	Malignant Neoplasms	Malignant Neoplasms	Malignant Neoplasms	Malignant Neoplasms	Malignant Neoplasms
2	Diseases of Heart	Diseases of Heart	Diseases of Heart	Diseases of Heart	Diseases of Heart
3	Use of or Poisoning by Psychoactive Substance	Use of or Poisoning by Psychoactive Substance	Intentional Self-harm (Suicide)	Use of or Poisoning by Psychoactive Substance	Diabetes Mellitus
4	Diabetes Mellitus	Accidents Except Poisoning by Psychoactive Substance	Cerebrovascular Diseases	Intentional Self-harm (Suicide)	Human Immunodeficiency Virus (HIV) Disease
5	Human Immunodeficiency Virus (HIV) Disease	Chronic Liver Disease and Cirrhosis	Accidents Except Poisoning by Psychoactive Substance	Accidents Except Poisoning by Psychoactive Substance	Assault (Homicide)
6	Chronic Liver Disease and Cirrhosis	Cerebrovascular Diseases‡	Diabetes Mellitus	Chronic Liver Disease and Cirrhosis	Use of or Poisoning by Psychoactive Substance
7	Chronic Lower Respiratory Diseases	Assault (Homicide)‡	Chronic Liver Disease and Cirrhosis	Diabetes Mellitus	Cerebrovascular Diseases
8	Viral Hepatitis	Diabetes Mellitus	Influenza and Pneumonia	Influenza and Pneumonia	Accidents Except Poisoning by Psychoactive Substance
9	Accidents Except Poisoning by Psychoactive Substance	Intentional Self-harm (Suicide)	Congenital Malformations, Deformations‡	Chronic Lower Respiratory Diseases	Chronic Lower Respiratory Diseases
10	Influenza and Pneumonia	Congenital Malformations, Deformations	Use of or Poisoning by Psychoactive Substance‡	Mental Disorder Due to Use of Alcohol	Influenza and Pneumonia

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

† Counts and percentages for this table can be found in Table M10 on page 52.

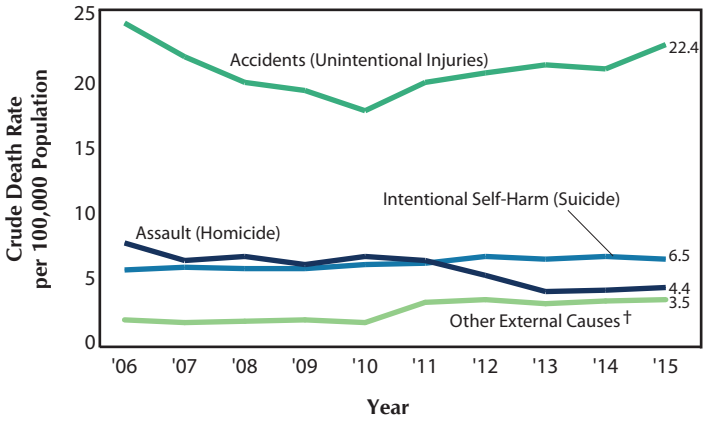
‡ Tied ranking

- Cancer and heart disease were ranked as the first and second leading causes of premature death across all racial/ethnic groups.
- Diabetes mellitus was ranked third among non-Hispanic blacks and fourth among Puerto Ricans.
- HIV was ranked fourth among non-Hispanic blacks and fifth among Puerto Ricans, but it did not appear in the leading causes of premature death for Other Hispanics, Asians and Pacific Islanders, and non-Hispanic whites.
- Intentional self-harm (suicide) was ranked third among Asians and Pacific Islanders, fourth among non-Hispanic whites, and ninth among Other Hispanics, but it did not appear in the leading causes of premature death for non-Hispanic blacks and Puerto Ricans.
- Assault (homicide) was ranked fifth among non-Hispanic blacks and sixth among Other Hispanics, but it did not appear in the leading causes of premature death for Puerto Ricans, Asians and Pacific Islanders, and non-Hispanic whites.
- Use of or poisoning by psychoactive substance (drug-related deaths) was ranked as the third leading cause of premature death among Puerto Ricans, Other Hispanics, and non-Hispanic whites. It was ranked as the sixth leading cause of premature death among non-Hispanic blacks and the ninth leading cause of premature death among Asians and Pacific Islanders.

EXTERNAL CAUSES OF DEATH

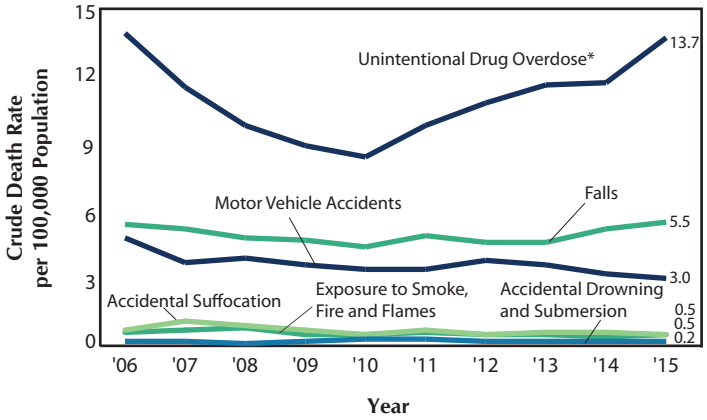
- Deaths due to accidents continued to account for the largest share of deaths due to external causes. After a 27.1% decline between 2006 and 2010, the accident-related death rate has been rising, and in 2015, it neared rates from ten years ago (22.4 per 100,000 population in 2015 vs. 24.0 per 100,000 population in 2006).
- The rate of deaths due to homicide declined over the past ten years (42.9%), although it has increased slightly since 2013.
- The suicide rate has risen over the past ten years from 5.7 per 100,000 population in 2006 to 6.5 per 100,000 population in 2015. The rate has remained steady since 2012. The death rate due to all other external causes combined was higher in 2015 (3.5 per 100,000 population) than ten years ago (2.0 per 100,000 population). The rate has been between 3.0 and 3.5 per 100,000 population since 2011.

Figure 16. Crude Death Rates for External Causes of Death*, New York City, 2006–2015



*Appendix B. Technical Notes: Deaths, Cause of Death International Classification of Disease (ICD) Coding.
†Other external causes include medical and/or surgical care complications and deaths due to undetermined intent.

Figure 17. Crude Death Rates for Selected Accidental Causes of Death, New York City, 2006–2015



*Appendix B. Technical Notes: Drug-Related Deaths.

- Among accidental causes of death, unintentional drug overdose exceeds all other causes, with crude rates in 2015 that were 4.6 times that of motor vehicle accidents and 2.5 times that of fall-related deaths.
- Although deaths due to unintentional drug overdose declined between 2006 and 2010 by 39.6%, they have increased in recent years, and the rate is now similar to the rate from ten years ago (13.7 per 100,000 population in 2015 vs. 13.9 per 100,000 population in 2006).
- The rate of death due to motor vehicle accidents declined over the past ten years, from 4.8 deaths per 100,000 population in 2006 to 3.0 in 2015, a decrease of 35.7%. The falls-related death rate was similar to the rate from ten years ago (5.5 per 100,000 population in 2015 vs. 5.4 per 100,000 population in 2006).
- Rates of accidental deaths due to smoke or flame exposure, suffocation, and drowning were all less than one death per 100,000 population in 2015.

- The overall suicide death rate has risen over the past ten years from 5.7 per 100,000 population in 2006 to 6.5 per 100,000 population in 2015.
- Death rates due to suicide were highest among the age group 65-84 at 10.2 deaths per 100,000 population in 2015.
- The rate of suicide deaths among adults aged 25-44 was 6.4 per 100,000 population in 2015, equal to what it was in 2006. Compared to 2006, rates increased by 2.1% among the age group 45-64 and by 39.7% among the age group 65-84.

Figure 18. Age-specific Suicide Death Rates, New York City, 2006–2015

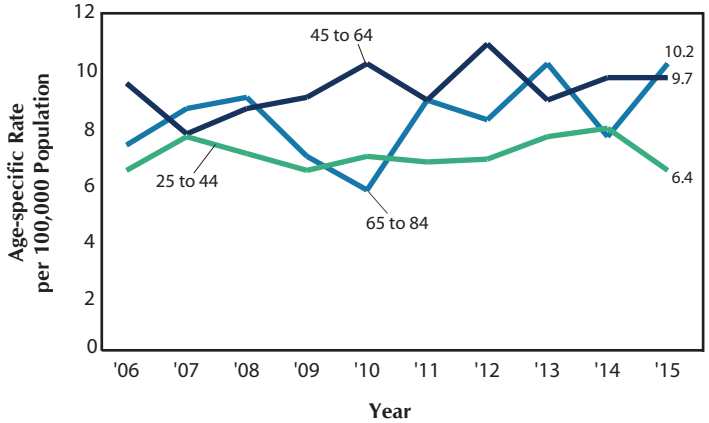


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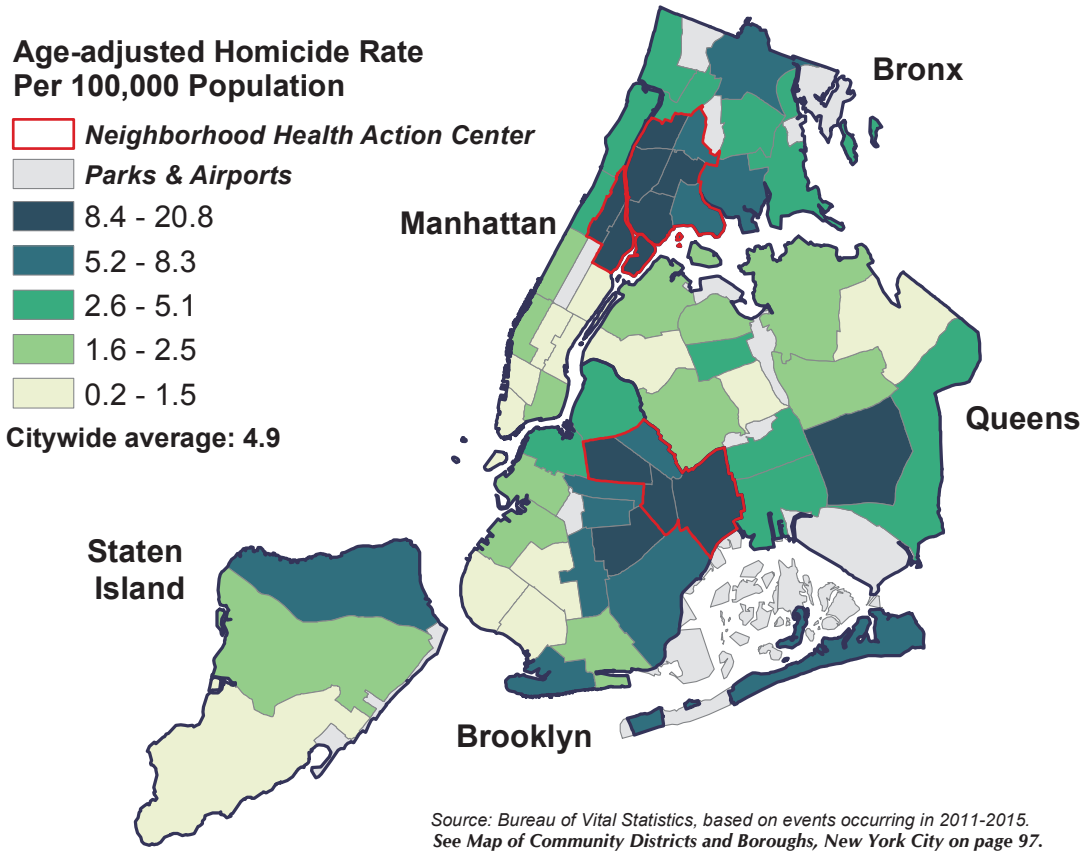
Figure 19. Age-adjusted Homicide Death Rates (Five-year-averages) by Community District of Residence, New York City, 2011–2015



Source: Bureau of Vital Statistics, based on events occurring in 2011-2015.
See Map of Community Districts and Boroughs, New York City on page 97.

- The five-year average age-adjusted homicide rate was highest in Brownsville with 20.8 deaths per 100,000 population, followed by Mott Haven at 12.2, Morrisania at 12.0, Bedford Stuyvesant at 11.4, and East Flatbush at 10.8.
- In eight community districts, five-year average rates were less than 1.0 per 100,000 population: Battery Park/Tribeca, the Upper East Side, Bay Ridge, Bayside, Greenwich Village/SOHO, Murray Hill, Rego Park/Forest Hills, and Tottenville.
- This figure uses five years of data due to the small number of homicide deaths in each community district per year.

Age-adjusted Homicide Death Rates (Five-year-averages) per 100,000 Population by Community District (CD) of Residence, New York City, 2011-2015

CD	MANHATTAN	Age-adjusted Homicide Death Rates	CD	BRONX	Age-adjusted Homicide Death Rates	CD	BROOKLYN	Age-adjusted Homicide Death Rates	CD	QUEENS	Age-adjusted Homicide Death Rates
MN01	Battery Park, Tribeca	0.2	BX01	Mott Haven	12.2	BK01	Williamsburg, Greenpoint	3.7	QN01	Astoria, Long Island City	1.9
MN02	Greenwich Village, SOHO	0.9	BX02	Hunts Point	7.0	BK02	Fort Greene, Brooklyn Heights	3.4	QN02	Sunnyside, Woodside	1.2
MN03	Lower East Side	2.5	BX03	Morrisania	12.0	BK03	Bedford Stuyvesant	11.4	QN03	Jackson Heights	2.0
MN04	Chelsea, Clinton	1.7	BX04	Concourse, Highbridge	9.3	BK04	Bushwick	6.8	QN04	Elmhurst, Corona	3.0
MN05	Midtown Business District	1.3	BX05	University/Morris Heights	10.1	BK05	East New York	9.5	QN05	Ridgewood, Glendale	1.9
MN06	Murray Hill	0.9	BX06	East Tremont	7.7	BK06	Park Slope	2.4	QN06	Rego Park, Forest Hills	0.9
MN07	Upper West Side	1.8	BX07	Fordham	4.8	BK07	Sunset Park	1.7	QN07	Flushing	1.8
MN08	Upper East Side	0.5	BX08	Riverdale	3.3	BK08	Crown Heights North	8.3	QN08	Fresh Meadows, Briarwood	1.8
MN09	Manhattanville	2.7	BX09	Unionport, Soundview	7.0	BK09	Crown Heights South	5.3	QN09	Woodhaven	2.6
MN10	Central Harlem	8.4	BX10	Throgs Neck	3.9	BK10	Bay Ridge	0.6	QN10	Howard Beach	3.2
MN11	East Harlem	8.9	BX11	Pelham Parkway	5.1	BK11	Bensonhurst	1.3	QN11	Bayside	0.6
MN12	Washington Heights	3.7	BX12	Williamsbridge	7.7	BK12	Borough Park	1.5	QN12	Jamaica, St. Albans	8.7
						BK13	Coney Island	7.4	QN13	Queens Village	4.9
CD	STATEN ISLAND					BK14	Flatbush, Midwood	5.5	QN14	The Rockaways	7.5
S101	Port Richmond	5.6				BK15	Sheepshead Bay	2.4			
S102	Willowbrook, South Beach	1.7				BK16	Brownsville	20.8			
S103	Tottenville	0.9				BK17	East Flatbush	10.8			
						BK18	Canarsie	5.9			

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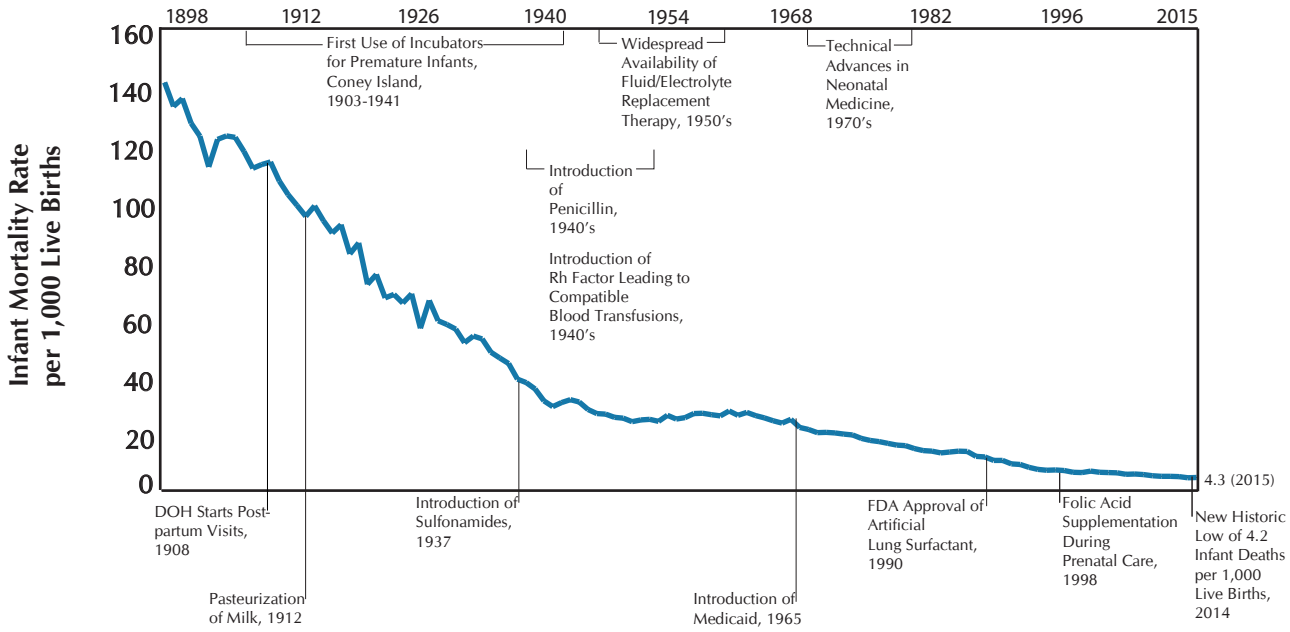
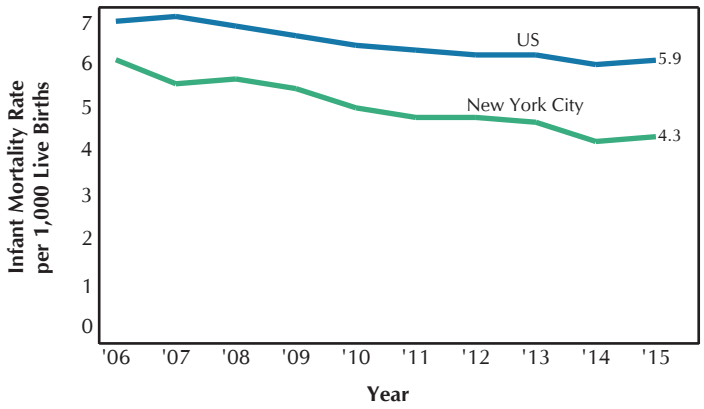


Figure 1. Infant Mortality Rate, New York City and United States, 2006–2015



Data source: National Center for Health Statistics, National Vital Statistics System.

- OneNYC, Mayor De Blasio's plan for a strong and just city, proposes achieving an historic low of 3.7 infant deaths per 1,000 live births citywide by 2040, and dramatically decreasing the racial/ethnic disparities. The city will achieve this by targeting key neighborhoods with high infant mortality rates and implementing social and structural supports before, during, and after pregnancy.
- In 2015, New York City had an infant mortality rate of 4.3 infant deaths per 1,000 live births. This represents a slight increase since 2014 (4.2 per 1,000 live births). The rate has declined by 27.1% since 2006.
- The New York City infant mortality rate was 27.1% lower than the US rate of 5.9 per 1,000 live births in 2015. In 2006, the New York City rate was just 11.9% lower than the US rate.

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- Infant mortality rates increased from 2014 to 2015 among non-Hispanic blacks, other Hispanics, and non-Hispanic whites. Asians & Pacific Islanders saw no change, and the rate among Puerto Ricans declined.
- Although rates fluctuate due to small numbers, they are consistently higher among some groups: the rate for non-Hispanic blacks remained 3.0 times higher than the rate for non-Hispanic whites in 2015; the rate for Puerto Ricans was 2.3 times higher than the rate for non-Hispanic whites in 2015.

Figure 2. Infant Mortality Rate by Mother's Racial/Ethnic Group, New York City, 2006–2015

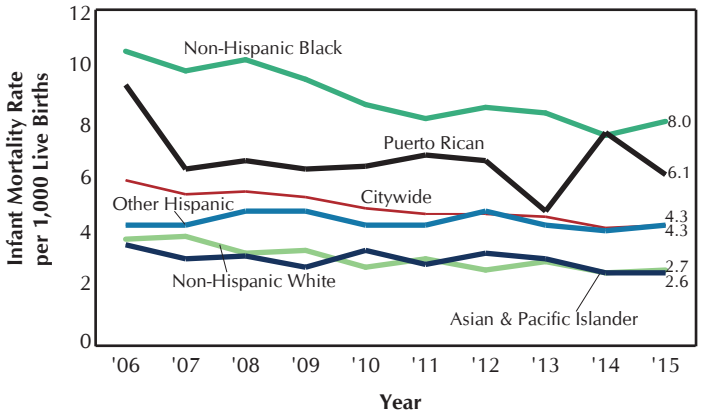
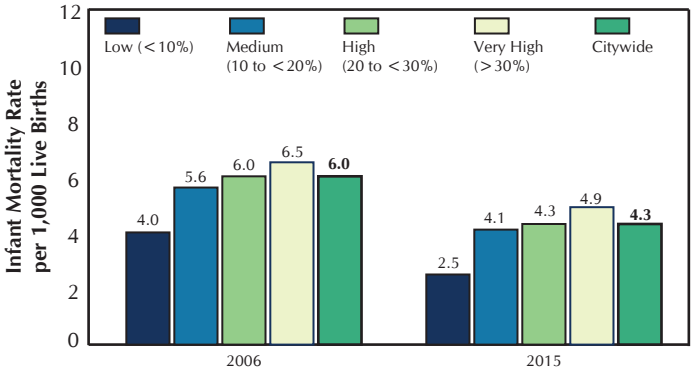


Figure 3. Infant Mortality Rate by Neighborhood Poverty*, New York City Residents, 2006 and 2015

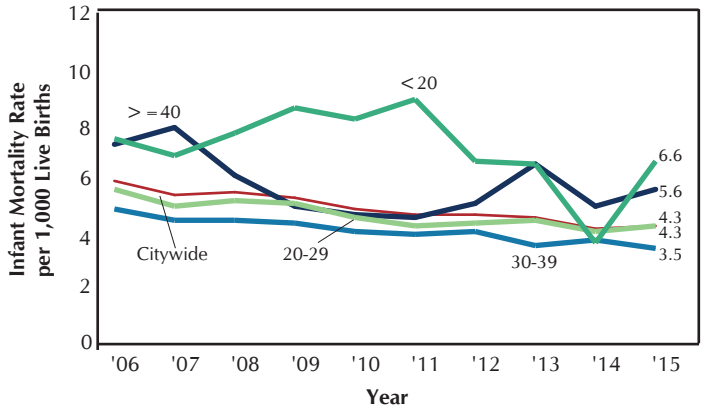


*Neighborhood poverty (based on mother's residential census tract) defined as percent of residents with incomes below 100% of the Federal Poverty Level, per American Community Survey (ACS) 2005-2009 for 2006 data and ACS 2010-2014 for 2015 data.

- From 2006 to 2015, the infant mortality rate declined in all groups: by 1.5 per 1,000 live births in both low and medium poverty areas, by 1.7 in high poverty areas, and by 1.6 in very high poverty areas.
- In 2015, infant mortality rates were 2.0 times higher in areas with very high poverty compared to areas with low poverty.

- The infant mortality rate in New York City was highest among infants born to the youngest mothers (<20 years of age). In 2015, the rate among this group was 6.6 infant deaths per 1,000 live births. In 2014, the infant mortality rate for the youngest mothers was the lowest; the small number of deaths will cause the rates to fluctuate from year to year.
- Infant mortality rates have decreased among infants born to mothers in all age groups since 2006.

Figure 4. Infant Mortality Rate by Mother's Age*, New York City, 2006–2015



*The fluctuation in the infant mortality rate among infants born to mothers <20 and ≥40 is likely due to small numbers.

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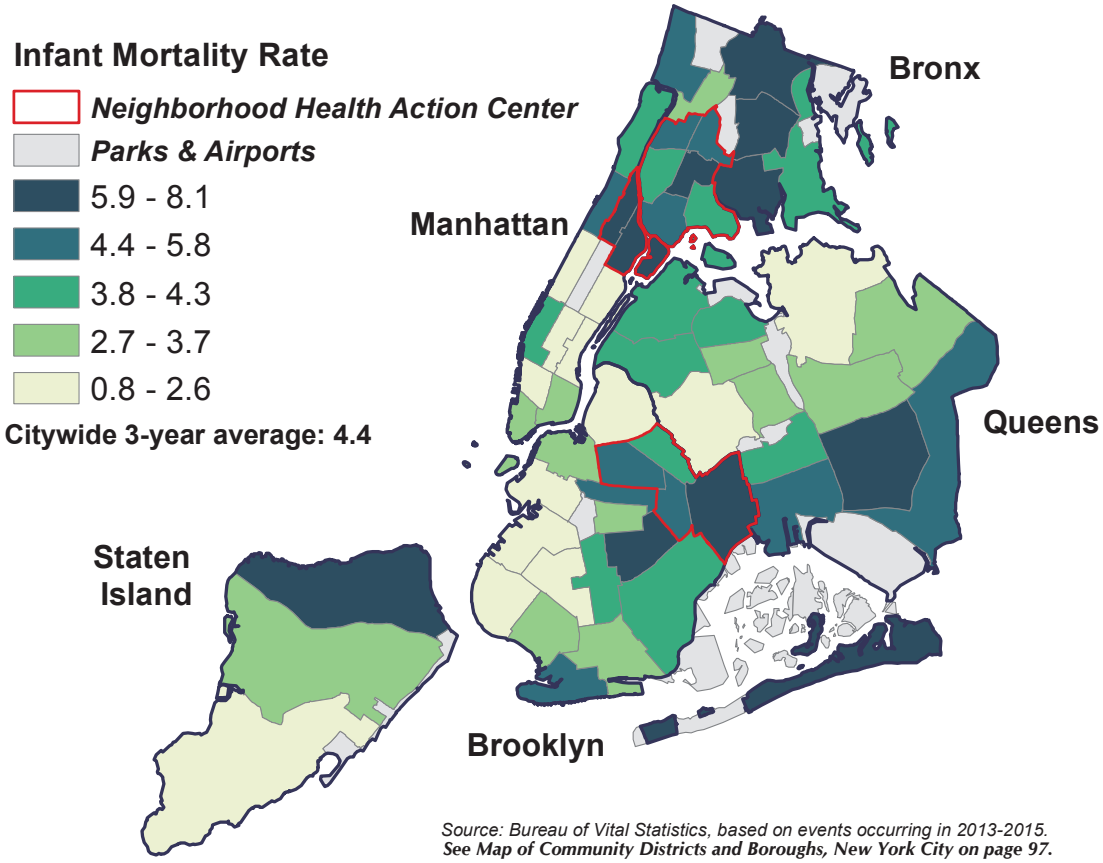
Figure 5. Average Infant Mortality Rate by Community District of Residence*, New York City, 2013–2015†



Source: Bureau of Vital Statistics, based on events occurring in 2013-2015.
See Map of Community Districts and Boroughs, New York City on page 97.

*See Technical Notes: Community District (CD).
†Due to instability in the infant mortality rates by community district, rates are presented as three-year averages.

- The three-year average infant mortality rate was highest in Pelham Parkway at 8.1 deaths per 1,000 live births, followed by 7.7 in Williamsbridge, 7.2 in Central Harlem, 7.1 in East Flatbush, and 6.9 in Port Richmond.
- The lowest three-year average infant mortality rate was in the Upper East Side with 0.8 deaths per 1,000 live births, followed by 0.9 in both Greenwich Village/SOHO and Bay Ridge, and 1.8 in both Park Slope and Ridgewood/Glendale.

Infant Mortality Rate by 1,000 Population by Community District (CD) of Residence, New York City, 2013-2015

CD	MANHATTAN	Infant Mortality Rate	CD	BRONX	Infant Mortality Rate	CD	BROOKLYN	Infant Mortality Rate	CD	QUEENS	Infant Mortality Rate
MN01	Battery Park, Tribeca	3.2	BX01	Mott Haven	5.1	BK01	Williamsburg, Greenpoint	2.4	QN01	Astoria, Long Island City	4.3
MN02	Greenwich Village, SOHO	0.9	BX02	Hunts Point	4.2	BK02	Fort Greene, Brooklyn Heights	2.8	QN02	Sunnyside, Woodside	4.0
MN03	Lower East Side	3.0	BX03	Morrisania	6.4	BK03	Bedford Stuyvesant	5.7	QN03	Jackson Heights	4.2
MN04	Chelsea, Clinton	4.0	BX04	Concourse, Highbridge	3.8	BK04	Bushwick	3.8	QN04	Elmhurst, Corona	3.7
MN05	Midtown Business District	2.3	BX05	University /Morris Heights	5.4	BK05	East New York	6.2	QN05	Ridgewood, Glendale	1.8
MN06	Murray Hill	2.1	BX06	East Tremont	5.8	BK06	Park Slope	1.8	QN06	Rego Park, Forest Hills	3.1
MN07	Upper West Side	2.6	BX07	Fordham	3.6	BK07	Sunset Park	2.0	QN07	Flushing	2.6
MN08	Upper East Side	0.8	BX08	Riverdale	4.4	BK08	Crown Heights North	5.4	QN08	Fresh Meadows, Briarwood	2.8
MN09	Manhattanville	4.5	BX09	Unionport, Soundview	6.0	BK09	Crown Heights South	3.5	QN09	Woodhaven	4.1
MN10	Central Harlem	7.2	BX10	Throgs Neck	4.3	BK10	Bay Ridge	0.9	QN10	Howard Beach	4.8
MN11	East Harlem	5.9	BX11	Pelham Parkway	8.1	BK11	Bensonhurst	3.7	QN11	Bayside	3.4
MN12	Washington Heights	4.3	BX12	Williamsbridge	7.7	BK12	Borough Park	2.2	QN12	Jamaica, St. Albans	6.2
						BK13	Coney Island	5.6	QN13	Queens Village	5.7
CD	STATEN ISLAND					BK14	Flatbush, Midwood	4.1	QN14	The Rockaways	6.3
SI01	Port Richmond	6.9				BK15	Sheepshead Bay	2.9			
SI02	Willowbrook, South Beach	2.9				BK16	Brownsville	4.9			
SI03	Tottenville	2.4				BK17	East Flatbush	7.1			
						BK18	Canarsie	4.3			

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Table 1. Average Infant Mortality Rate* by Mother's Birthplace*†, New York City, 2009–2015

Birthplace†	2009-2011	2010-2012	2011-2013	2012-2014	2013-2015
Total, New York City	**4.9**	**4.8**	**4.7**	**4.5**	**4.4**
Haiti	4.9	5.4	6.0	6.2	7.4
Trinidad and Tobago	3.4	6.1	5.3	7.3	6.7
Jamaica	5.6	7.0	6.7	7.9	6.1
Pakistan	5.6	6.1	5.6	5.2	5.5
El Salvador	3.4	3.0	3.2	4.2	5.0
Korea	0.7	1.1	3.4	3.6	5.0
Puerto Rico‡	8.5	8.4	6.5	5.3	4.8
Guyana	6.6	6.7	6.2	4.9	4.8
United States‡	5.7	5.2	5.0	4.8	4.8
Honduras	7.4	8.3	7.2	6.8	4.4
Dominican Republic	4.0	3.8	4.0	4.4	4.1
Canada	2.1	2.0	3.6	3.0	4.1
Ecuador	3.2	3.7	3.2	3.2	3.7
Bangladesh	4.6	4.1	4.1	3.5	3.6
Egypt	1.3	1.7	1.5	2.8	3.5
Colombia	2.8	2.9	3.8	3.0	3.4
Ghana	4.3	4.0	3.9	2.9	3.3
India	2.4	5.2	5.8	6.1	3.2
Nigeria	8.1	7.1	7.4	4.5	2.8
Mexico	3.4	4.0	4.2	3.7	2.8
Yemen Arab Republic	6.3	8.5	6.6	3.7	2.7
Israel	0.6	0.3	0.7	2.2	2.6
Guatemala	6.4	6.4	3.6	1.6	2.0
Japan	1.3	1.3	2.0	1.3	2.0
Philippines	3.4	3.9	1.7	2.3	1.9
Uzbekistan	1.5	1.4	2.0	1.7	1.8
China	2.1	1.7	1.4	1.5	1.5
Poland	0.7	1.6	2.1	1.8	1.4
United Kingdom	1.2	1.8	1.2	1.3	1.3
Russia	2.8	2.0	1.4	1.3	1.0
Ukraine	1.2	0.8	0.4	-	0.4

*The infant mortality rate is listed only for countries with 500 or more live births in any year from 2009-2015.

†Foreign countries are listed according to the descending order of infant mortality rates in the most current period.

‡See Technical Notes: Geographical Units, Birthplace Presentation.

Table 2. Infant Deaths by Cause, Sex, and Age, New York City, 2015

	Cause of Death (ICD-10 Codes)	Total	Male		Female	
			Neonatal (<28 Days)	Postneonatal (≥ 28 Days)	Neonatal (<28 Days)	Postneonatal (≥ 28 Days)
	Total	**526**	**189**	**103**	**153**	**81**
1	HIV Infection (B20-B24)*	0	-	-	-	-
2	Diseases of the Circulatory System (I00-I99)*	17	2	7	-	8
3	Influenza and Pneumonia (J10-J18)*	3	-	2	-	1
4	Newborn Affected by Maternal Complications of Pregnancy (P01)*	7	3	-	4	-
5	Newborn Affected by Complications of Placenta, Cord, and Membranes (P02)*	9	6	-	2	1
6	Short Gestation and Low Birthweight (P07)*	101	58	9	29	5
7	Intrauterine Hypoxia and Birth Asphyxia (P20-P21)*	7	4	-	3	-
8	Respiratory Distress of Newborn (P22)*	20	8	-	12	-
9	Pulmonary Hemorrhage Originating in the Perinatal Period (P26)*	8	4	-	4	-
10	Atelectasis (P28.0-P28.1)*	0	-	-	-	-
11	Other Respiratory Conditions Originating in the Perinatal Period (P23-P28)†	6	2	1	2	1
12	Cardiovascular Disorders Originating in the Perinatal Period (P29)†	58	26	1	30	1
13	Infections Specific to the Perinatal Period (P35-P39)†	12	6	-	6	-
	Bacterial sepsis of newborn (P36)	10	5	-	5	-
14	Neonatal Hemorrhage (P50-P52, P54)*	6	4	-	2	-
15	Necrotizing Enterocolitis of Newborn (P77)*	17	10	1	6	-
16	Remainder of Conditions Originating in the Perinatal Period (Rest of P00-P99)	24	14	1	7	2
17	Congenital Malformations, Deformations (Q00-Q99)*	101	28	15	37	21
	Congenital malformations of heart (Q20-Q24)	31	9	3	11	8
18	Sudden Infant Death Syndrome (R95)*	0	-	-	-	-
19	All Other Diseases (Rest of A00-R99)	69	8	34	5	22
20	External Causes (V01-Y89)†	61	6	32	4	19

*Causes are used to rank 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.

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Table 3. Live Births and Infant Mortality Rate by Characteristics of Mother and Infant, New York City, 2015

Characteristics	Live Births		Infant Mortality Rate (IMR) per 1,000 Live Births					
			All		Neonatal*		Postneonatal*	
	Number	Percent	Deaths	Rate	Deaths	Rate	Deaths	Rate
Total	**121,673**	**100.0**	**526**	**4.3**	**342**	**2.8**	**184**	**1.5**
Race/Ethnicity								
Puerto Rican	7,561	6.2	46	6.1	34	4.5	12	1.6
Other Hispanic	27,994	23.0	119	4.3	80	2.9	39	1.4
Asian and Pacific Islander	20,535	16.9	54	2.6	33	1.6	21	1.0
Non-Hispanic White	40,607	33.4	110	2.7	75	1.8	35	0.9
Non-Hispanic Black	23,116	19.0	186	8.0	112	4.8	74	3.2
Other and Unknown	1,860	1.5	11	-	8	-	3	-
Borough of Residence								
Manhattan	17,766	14.6	66	3.7	43	2.4	23	1.3
Bronx	19,887	16.3	102	5.1	71	3.6	31	1.6
Brooklyn	40,982	33.7	149	3.6	93	2.3	56	1.4
Queens	26,848	22.1	112	4.2	76	2.8	36	1.3
Staten Island	5,261	4.3	20	3.8	12	2.3	8	1.5
Non-NYC residents	10,919	9.0	77	7.1	47	4.3	30	2.7
Unknown	10	-	-	-	-	-	-	-
Age of Mother								
Age < 18	1,140	0.9	6	5.3	5	4.4	1	0.9
Age 18-19	2,933	2.4	21	7.2	17	5.8	4	1.4
Age 20-29	50,402	41.4	217	4.3	125	2.5	92	1.8
Age 30-39	60,250	49.5	212	3.5	154	2.6	58	1.0
Age ≥40	6,947	5.7	39	5.6	29	4.2	10	1.4
Age unknown	1	-	-	-	-	-	-	-
Unmatched†	-	-	31	-	12	-	19	-
Mother's Education								
11th grade or less/12th grade, no diploma	22,127	18.2	113	5.1	69	3.1	44	2.0
High school graduate or GED	26,625	21.9	134	5.0	91	3.4	43	1.6
Some college/associate degree	26,806	22.0	117	4.4	73	2.7	44	1.6
Bachelor's degree	25,249	20.8	78	3.1	56	2.2	22	0.9
Master's degree or higher	20,472	16.8	43	2.1	33	1.6	10	0.5
Mother's education unknown	394	0.3	10	-	8	-	2	-
Unmatched†	-	-	31	-	12	-	19	-
Marital Status of Mother‡								
Not married	47,229	38.8	282	6.0	179	3.8	103	2.2
Married	74,444	61.2	213	2.9	151	2.0	62	0.8
Unmatched†	-	-	31	-	12	-	19	-
Mother's Birthplace§								
US born, including territories	59,170	48.6	276	4.7	183	3.1	93	1.6
Foreign born	62,463	51.3	218	3.5	146	2.3	72	1.2
Birthplace unknown	40	-	1	-	1	-	-	-
Unmatched†	-	-	31	-	12	-	19	-
Primary Payer for This Birth								
Medicaid/Family Plus/Child PlusB/other govt	72,178	59.3	331	4.6	207	2.9	124	1.7
Other	49,259	40.5	160	3.2	120	2.4	40	0.8
Coverage unknown	236	0.2	4	-	3	-	1	-
Unmatched†	-	-	31	-	12	-	19	-
Plurality								
Singletons	117,221	96.3	420	3.6	267	2.3	153	1.3
Multiples	4,452	3.7	75	16.8	63	14.2	12	2.7
Unmatched†	-	-	31	-	12	-	19	-
First Prenatal Care Visit								
No prenatal care	553	0.5	19	34.4	18	32.5	1	1.8
First trimester (1-3 months)	89,696	73.7	320	3.6	208	2.3	112	1.2
Second trimester (4-6 months)	21,636	17.8	107	4.9	69	3.2	38	1.8
Late (7-9 months)	7,497	6.2	25	3.3	14	1.9	11	1.5
Prenatal care unknown	2,291	1.9	24	-	21	-	3	-
Unmatched†	-	-	31	-	12	-	19	-
Pre-pregnancy Body Mass Index (BMI)								
Underweight (BMI < 18.5)	6,738	5.5	27	4.0	14	2.1	13	1.9
Normal weight (18.5 ≤ BMI < 25)	64,729	53.2	203	3.1	136	2.1	67	1.0
Overweight (25 ≤ BMI < 30)	29,102	23.9	128	4.4	87	3.0	41	1.4
Obese (BMI ≥ 30)	20,551	16.9	123	6.0	81	3.9	42	2.0
Pre-pregnancy BMI unknown	553	0.5	14	-	12	-	2	-
Unmatched†	-	-	31	-	12	-	19	-
Birthweight								
Very low birthweight	1,694	1.4	285	168.2	227	134.0	58	34.2
Low birthweight	8,341	6.9	73	8.8	44	5.3	29	3.5
Normal birthweight	111,631	92	135	1.2	57	0.5	78	0.7
Birthweight unknown	7	-	2	-	2	-	-	-
Unmatched†	-	-	31	-	12	-	19	-

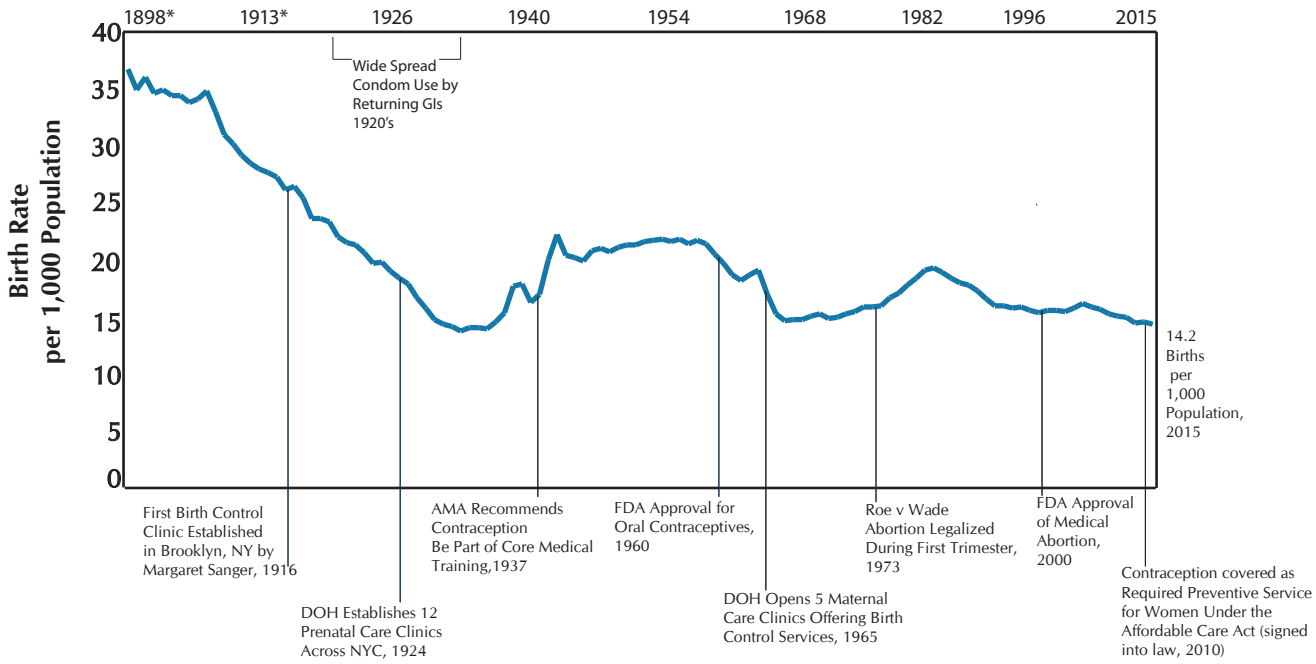
*Neonatal infants are those less than 28 days old; postneonatal infants are those 28 days to less than 1 year old.

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

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

§See Technical Notes: Geographical Units, Birthplace Presentation.

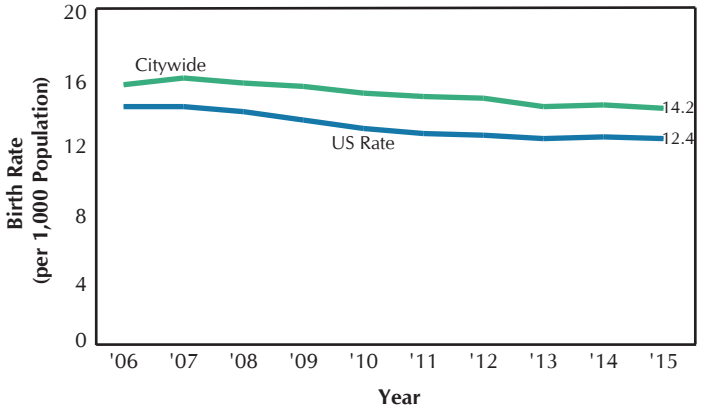
PREGNANCY OUTCOMES



*1898-1914 Birth counts are estimated as number reported was determined to be incomplete.

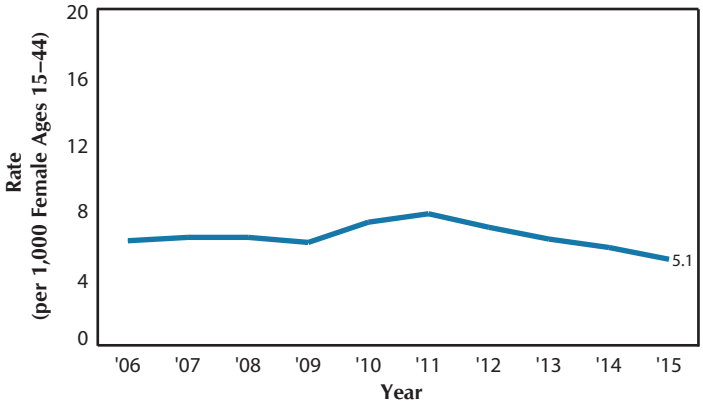
PREGNANCY OUTCOMES OVERVIEW

Figure 1. Crude Birth Rate, New York City and United States, 2006–2015



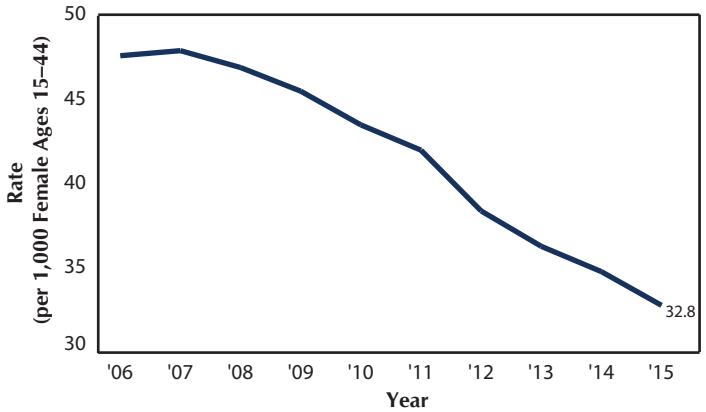
- The 2015 citywide crude birth rate was 14.2 births per 1,000 population. New York City's birth rate has experienced a modest decrease for the past ten years. It declined by 1.4% from 2014 and by 9.0% since 2006. More detailed information on current birth rates can be found in Table 1 and Figures 4, 5, and 6.
- New York City's 2015 crude birth rate was higher than the United States rate (14.2 vs. 12.4 nationwide), consistent with previous years.

Figure 2. Crude Spontaneous Termination of Pregnancy Rate, New York City, 2006–2015



- The 2015 citywide crude spontaneous termination of pregnancy rate (miscarriages and stillbirths) was 5.1 terminations per 1,000 females aged 15 to 44 years. The rate has remained between 5.1 and 7.8 per 1,000 since 2006.
- Changes in rates of spontaneous terminations of pregnancy are likely due to variations in the reporting of these events by facilities rather than true changes in such events. DOHMH continues to conduct outreach and education of targeted medical facilities about legal reporting requirements.
- More detailed information on spontaneous terminations of pregnancy rates can be found in Table 1.

Figure 3. Crude Induced Termination of Pregnancy Rate, New York City, 2006–2015



- The 2015 citywide crude rate of induced terminations of pregnancy was 32.8 terminations per 1,000 females aged 15 to 44 years, continuing its decline, down 5.7% since 2014.
- This rate has decreased each year since 2007, when it neared 48 terminations per 1,000 females ages 15 to 44 years. It has declined 31.1% since 2006.
- More detailed information on induced terminations of pregnancy rates can be found in Table 1.

PREGNANCY OUTCOMES OVERVIEW

Table 1. Pregnancy Outcomes, Pregnancy Outcome Rates*, and Pregnancy Rates* by Mother's Age Group, Racial/Ethnic Group, and Borough of Residence, New York City, 2015

	Age of Woman†	Live Births		Spontaneous Terminations		Induced Terminations		Pregnancy	
	Years	Counts‡	Rates per 1,000	Counts‡	Rates per 1,000	Counts‡	Rates per 1,000	Counts‡	Rates per 1,000
New York City§	15-19	4,073	17.5	302	1.3	5,949	25.6	10,324	44.4
	20-29	50,402	69.5	3,249	4.5	35,774	49.3	89,425	123.2
	30-39	60,250	87.0	4,991	7.2	19,201	27.7	84,442	122.0
	40-49	6,947	12.0	1,337	2.3	2,720	4.7	11,004	19.0
	Total	121,673	14.2	9,882	5.1	63,646	32.8	195,195	100.6
Ethnic Group§||									
Hispanic	15-19	2,382	28.9	108	1.3	2,047	24.9	4,537	55.1
	20-29	17,692	84.0	791	3.8	10,770	51.1	29,253	138.8
	30-39	14,001	72.7	991	5.1	4,847	25.2	19,839	103.0
	40-49	1,480	8.8	253	1.5	531	3.1	2,264	13.4
	Total	35,555	14.3	2,143	3.8	18,195	31.9	55,893	98.0
Asian and Pacific Islander	15-19	116	3.8	13	0.4	182	6.0	311	10.3
	20-29	8,096	72.4	281	2.5	1,954	17.5	10,331	92.4
	30-39	11,219	97.1	430	3.7	1,573	13.6	13,222	114.4
	40-49	1,104	11.5	103	1.1	319	3.3	1,526	15.9
	Total	20,535	16.6	827	2.7	4,028	13.1	25,390	82.6
Non-Hispanic White	15-19	426	7.8	39	0.7	590	10.7	1,055	19.2
	20-29	13,350	57.7	699	3.0	5,015	21.7	19,064	82.4
	30-39	23,951	104.5	1,572	6.9	3,561	15.5	29,084	126.9
	40-49	2,880	17.6	403	2.5	603	3.7	3,886	23.7
	Total	40,607	14.7	2,714	4.5	9,769	16.3	53,089	88.6
Non-Hispanic Black	15-19	1,088	18.4	84	1.4	2,614	44.1	3,786	63.9
	20-29	10,541	67.2	840	5.4	14,639	93.3	26,020	165.8
	30-39	10,122	71.2	982	6.9	7,444	52.4	18,548	130.5
	40-49	1,365	9.6	262	1.8	1,000	7.0	2,627	18.5
	Total	23,116	12.1	2,168	5.1	25,698	60.3	50,981	119.6
Borough of Residence¶									
Manhattan	15-19	387	10.4	35	0.9	782	21.1	1,204	32.5
	20-29	4,843	28.3	402	2.3	5,838	34.1	11,083	64.7
	30-39	11,056	71.1	847	5.4	3,122	20.1	15,025	96.6
	40-49	1,480	13.8	245	2.3	479	4.5	2,204	20.5
	Total	17,766	10.8	1,529	3.7	10,221	24.4	29,516	70.5
Bronx	15-19	1,242	25.6	71	1.5	1,561	32.2	2,874	59.3
	20-29	10,250	83.9	573	4.7	8,453	69.2	19,276	157.7
	30-39	7,559	70.4	642	6.0	4,029	37.5	12,230	113.9
	40-49	836	8.4	154	1.5	412	4.1	1,402	14.0
	Total	19,887	13.7	1,440	4.4	14,456	44.2	35,782	109.4
Brooklyn	15-19	1,322	18.2	105	1.4	1,688	23.2	3,115	42.9
	20-29	18,499	82.6	1,177	5.3	9,897	44.2	29,573	132.0
	30-39	19,009	86.5	1,580	7.2	5,521	25.1	26,110	118.7
	40-49	2,152	12.2	444	2.5	828	4.7	3,424	19.5
	Total	40,982	15.5	3,307	5.5	17,934	29.6	62,222	102.6
Queens	15-19	831	13.9	61	1.0	1,158	19.3	2,050	34.2
	20-29	11,643	65.9	711	4.0	7,430	42.1	19,784	112.1
	30-39	13,037	72.8	1,068	6.0	4,058	22.7	18,163	101.4
	40-49	1,337	8.2	301	1.8	625	3.8	2,263	13.9
	Total	26,848	11.5	2,141	4.3	13,271	26.7	42,260	85.2
Staten Island	15-19	165	11.5	13	0.9	213	14.9	391	27.4
	20-29	2,123	67.1	171	5.4	893	28.2	3,187	100.7
	30-39	2,756	90.7	303	10.0	459	15.1	3,518	115.8
	40-49	217	6.5	62	1.8	63	1.9	342	10.2
	Total	5,261	11.1	549	5.9	1,628	17.6	7,438	80.5

Note: Population data used to calculate rates are 2015 estimates from US Census Bureau. See Technical Notes: Population.

*See Technical Notes: Population, Vital Event Rates.

†The denominators for total rates are females ages 15-44 except for total birth rates which are all population.

‡Counts for females age 15 to 19 are the number of events to females age < 20; counts for females age 40 to 49 are the number of events to females age 40 and over. See Technical Notes: Vital Event Rates.

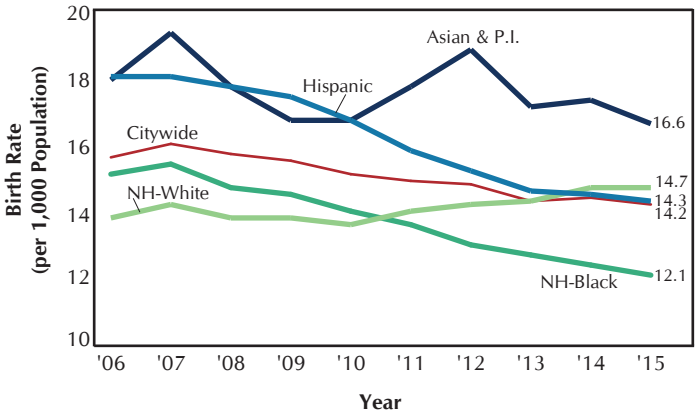
§Includes all events occurring in NYC regardless of residence.

||Other/unknown ethnicities are excluded.

¶Numbers and rates are limited to events occurring in NYC to NYC residents only.

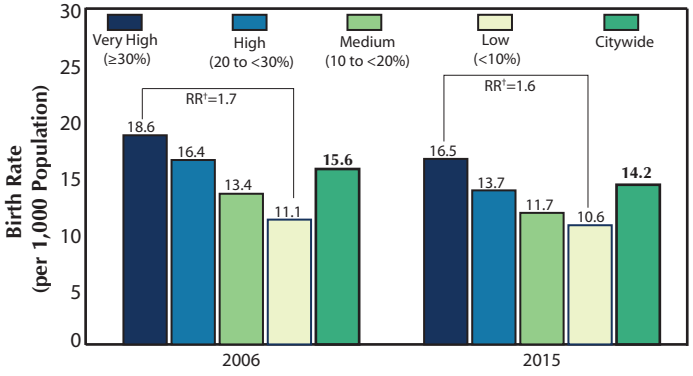
BIRTH RATE

Figure 4. Birth Rate by Mother's Racial/Ethnic Group, New York City, 2006–2015



- In 2015, the birth rate was highest among Asians and Pacific Islanders at 16.6 births per 1,000 population, followed by 14.7 among non-Hispanic whites, 14.3 among Hispanics, and 12.1 among non-Hispanic blacks.
- From 2006 to 2015, the birth rate increased among non-Hispanic whites by 6.5%, and decreased among all other groups. Over the ten year period, non-Hispanic blacks experienced a 19.9% decline; Hispanics, a 20.6% decline; and Asians and Pacific Islanders, a 7.3% decline.

Figure 5. Birth Rate by Neighborhood Poverty*, New York City Residents, 2006 and 2015

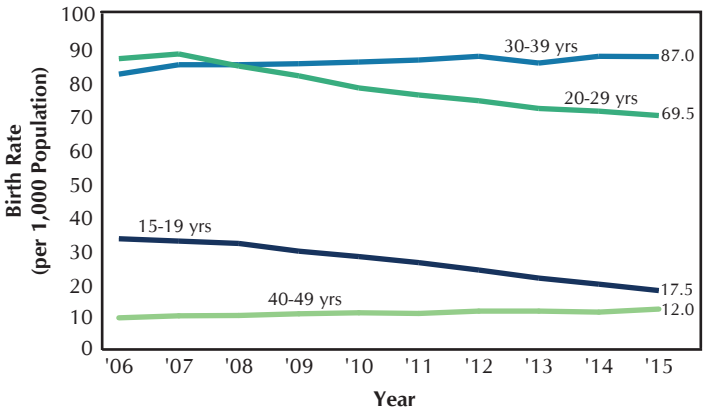


*Neighborhood poverty (based on mother's residential census tract) defined as percent of residents with incomes below 100% of the Federal Poverty Level, per American Community Survey (ACS) 2005-2009 for 2006 data and per ACS 2010-2015 for 2015 data.

†Rate Ratio.

- In 2015, the birth rate was highest in the city's very high poverty neighborhoods, at 16.5 births per 1,000 population as compared to 10.6 for the low poverty neighborhoods. In 2015, birth rates were 1.6 times higher in the city's very high poverty neighborhoods compared to the city's low poverty neighborhoods, as compared to 1.7 in 2006.
- Since 2006, birth rates decreased across all categories.

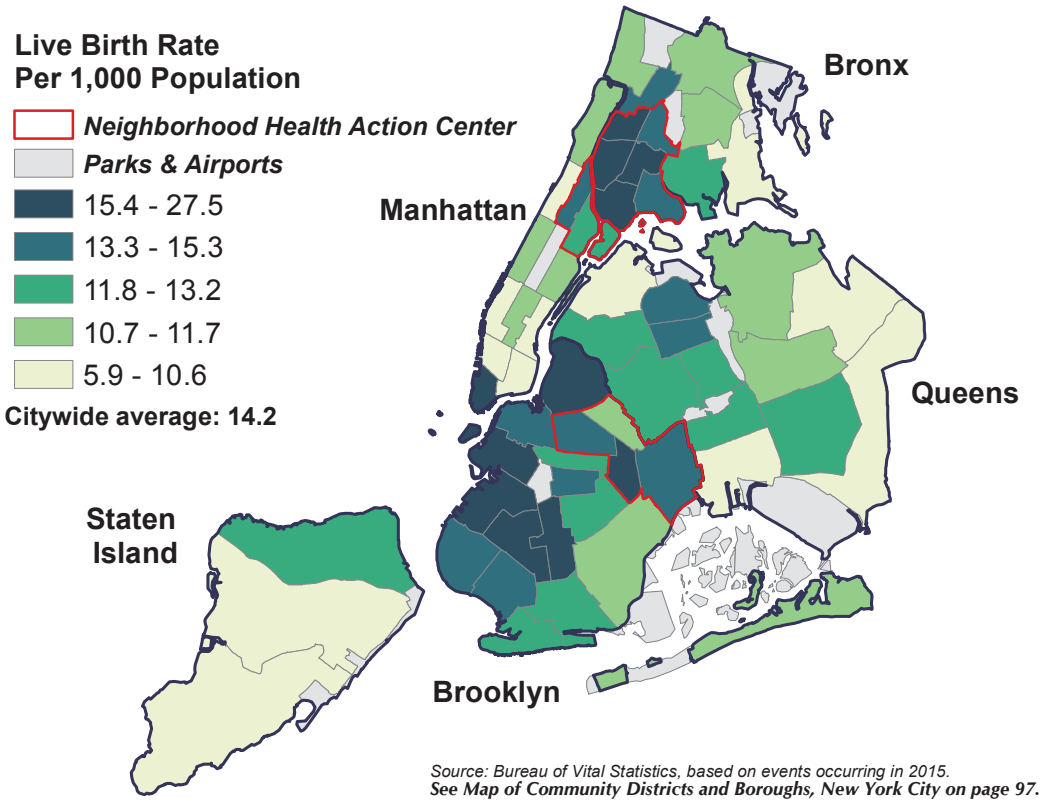
Figure 6. Birth Rate by Mother's Age Group, New York City, 2006–2015



- In 2015, the birth rate among women aged 30 to 39 years of age continued to be highest, at 87.0 births per 1,000 female population followed by women 20 to 29 at 69.5, then women 15 to 19 years old and 40 to 49 years old with birth rates of 17.5 and 12.0, respectively.
- Since 2006, birth rates increased 6.4% among women aged 30-39 years old and 27.7% among women aged 40-49 years old.
- The teen birth rate (15-19 years of age) decreased by 46.8% since 2006 and 9.8% since 2014.

PREGNANCY OUTCOMES

Figure 7. Crude Birth Rate by Community District of Residence, New York City, 2015



Source: Bureau of Vital Statistics, based on events occurring in 2015.
See Map of Community Districts and Boroughs, New York City on page 97.

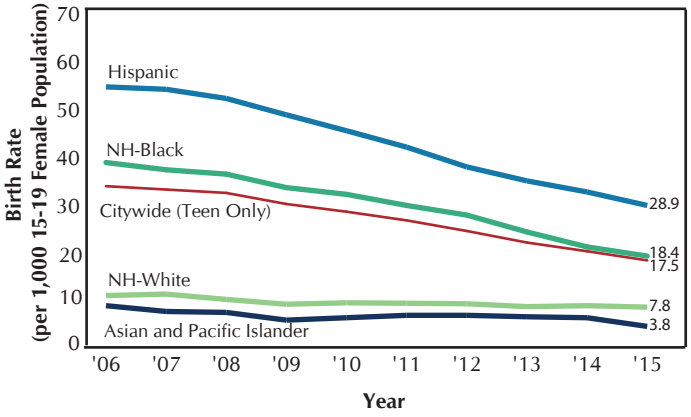
- For 2015, the community district with the highest crude birth rate was Borough Park with 27.5 births per 1,000 population, followed by 20.5 in Sunset Park, 18.8 in Williamsburg/Greenpoint and 17.9 in Battery Park/Tribeca.
- The community district with the lowest crude birth rate was Bayside, with 5.9 births per 1,000 population, then the Lower East Side with 8.1, Queens Village with 8.3, and Chelsea/Clinton with 8.4.

Crude Birth Rates by Community District (CD) of Residence, New York City, 2015

CD	MANHATTAN	Birth Rate	CD	BRONX	Birth Rate	CD	BROOKLYN	Birth Rate	CD	QUEENS	Birth Rate
MN01	Battery Park, Tribeca	17.9	BX01	Mott Haven	17.0	BK01	Williamsburg, Greenpoint	18.8	QN01	Astoria, Long Island City	9.7
MN02	Greenwich Village, SOHO	8.6	BX02	Hunts Point	15.0	BK02	Fort Greene, Brooklyn Heights	14.4	QN02	Sunnyside, Woodside	12.2
MN03	Lower East Side	8.1	BX03	Morrisania	16.5	BK03	Bedford Stuyvesant	14.5	QN03	Jackson Heights	14.5
MN04	Chelsea, Clinton	8.4	BX04	Concourse, Highbridge	16.3	BK04	Bushwick	11.7	QN04	Elmhurst, Corona	14.5
MN05	Midtown Business District	10.7	BX05	University/Morris Heights	16.9	BK05	East New York	14.5	QN05	Ridgewood, Glendale	11.9
MN06	Murray Hill	8.6	BX06	East Tremont	14.8	BK06	Park Slope	16.1	QN06	Rego Park, Forest Hills	12.3
MN07	Upper West Side	11.7	BX07	Fordham	15.3	BK07	Sunset Park	20.5	QN07	Flushing	11.0
MN08	Upper East Side	11.4	BX08	Riverdale	11.3	BK08	Crown Heights North	13.1	QN08	Fresh Meadows, Briarwood	11.4
MN09	Manhattanville	9.8	BX09	Unionport, Soundview	13.2	BK09	Crown Heights South	15.0	QN09	Woodhaven	12.7
MN10	Central Harlem	13.4	BX10	Throgs Neck	8.5	BK10	Bay Ridge	13.7	QN10	Howard Beach	10.0
MN11	East Harlem	12.0	BX11	Pelham Parkway	11.2	BK11	Bensonhurst	13.2	QN11	Bayside	5.9
MN12	Washington Heights	11.6	BX12	Williamsbridge	11.0	BK12	Borough Park	27.5	QN12	Jamaica, St. Albans	12.8
						BK13	Coney Island	12.3	QN13	Queens Village	8.3
CD	STATEN ISLAND					BK14	Flatbush, Midwood	16.1	QN14	The Rockaways	11.5
S101	Port Richmond	13.2				BK15	Sheepshead Bay	13.0			
S102	Willowbrook, South Beach	10.6				BK16	Brownsville	16.1			
S103	Tottenville	9.1				BK17	East Flatbush	12.9			
						BK18	Canarsie	11.7			

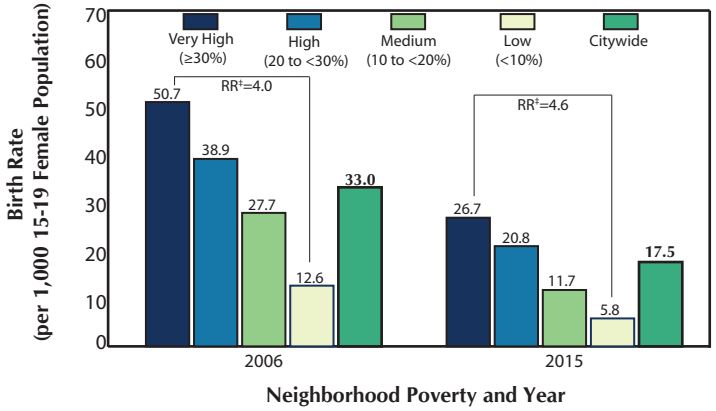
TEEN BIRTHS

Figure 8. Teen Birth Rate by Mother's Racial/ Ethnic Group, New York City, 2006–2015



- From 2006 to 2015, the teen birth rate declined by 46.8% overall. Teen birth rates also declined for all racial/ethnic groups: by 46.0% among Hispanics, 51.3% among non-Hispanic blacks, 23.5% among non-Hispanic whites, and 53.1% among Asians and Pacific Islanders.
- In 2015, the teen birth rate among non-Hispanic blacks was 2.4 times higher than among non-Hispanic whites, reflecting a narrowing of the difference in 2006, when it was 3.7 times higher.
- The teen birth rate among Hispanics remains high compared to the overall citywide rate; in 2006, the teen birth rate among Hispanics was 1.7 times that of the citywide rate; in 2015, it was 1.6 times that of the citywide rate.

Figure 9. Teen Birth Rate by Neighborhood Poverty*, New York City Residents, 2006 and 2015

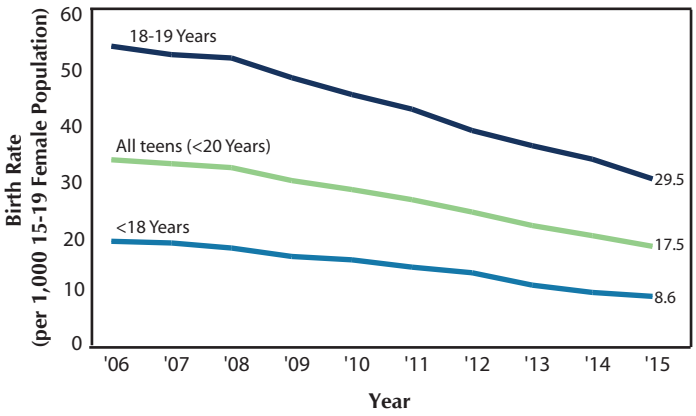


*Neighborhood poverty (based on mother's residential census tract) defined as percent of residents with incomes below 100% of the Federal Poverty Level, per American Community Survey (ACS) 2005-2009 for 2006 data and per ACS 2010-2015 for 2015 data.

‡ Rate Ratio.

- Between 2006 and 2015, teen birth rates declined across all poverty levels: by 47.3% in the city's very high poverty neighborhoods, by 46.5% in high poverty neighborhoods, by 57.8% in medium poverty neighborhoods, and by 54.0% in low poverty neighborhoods.
- Although rates have declined, teen birth rates remain comparatively high in the city's high poverty neighborhoods. In 2015, the teen birth rate in very high poverty neighborhoods was 4.6 times that of low poverty neighborhoods; in 2006, it was 4.0 times that of low poverty neighborhoods.

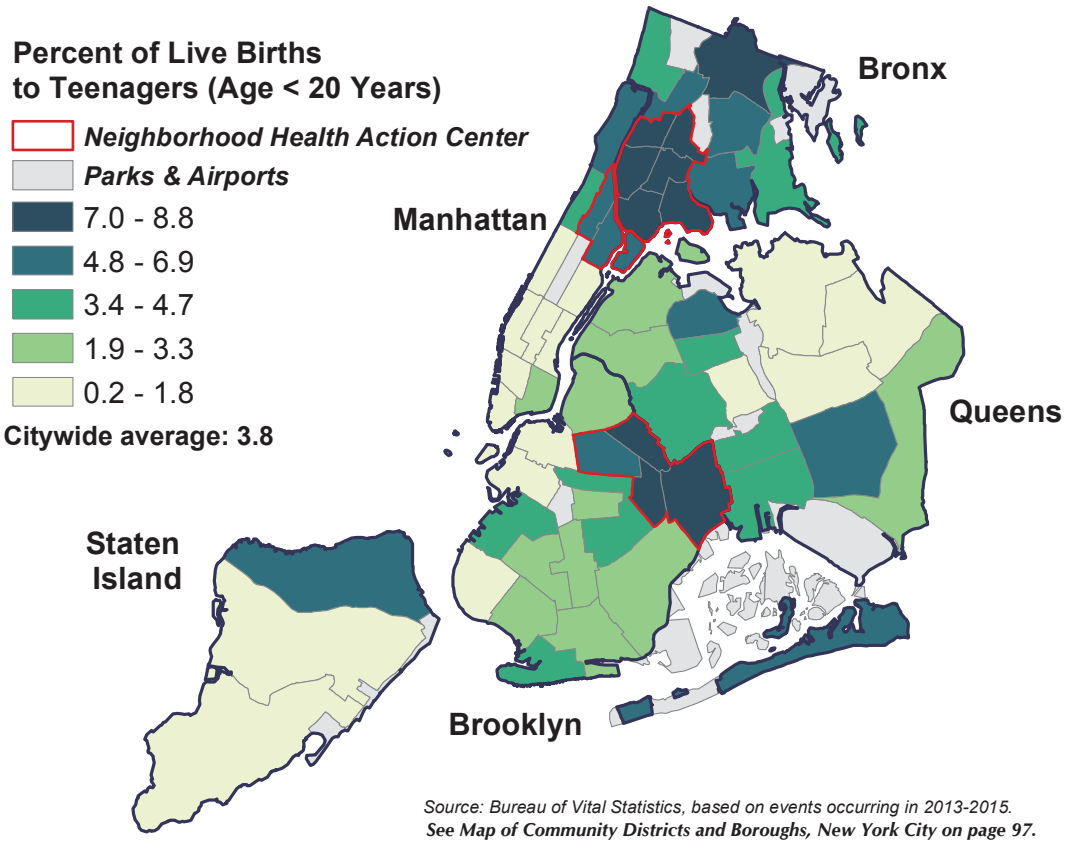
Figure 10. Teen Birth Rate by Age, New York City, 2006–2015



- From 2006 to 2015, birth rates fell among all teenagers, regardless of age. Among teens less than 18 years of age, the birth rate declined over that period by 53.3%; among women 18-19, it declined by 44.4%. The overall rate of teen birth (births to women < 20) declined by 46.8%.

TEEN BIRTHS

Figure 11. Percent of Live Births to Teenagers by Community District of Residence, New York City, 2013-2015



Source: Bureau of Vital Statistics, based on events occurring in 2013-2015.
See Map of Community Districts and Boroughs, New York City on page 97.

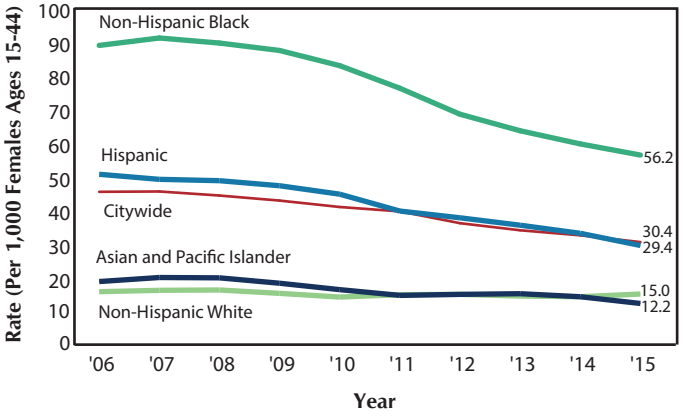
- The community district with the highest percentage of live births to teenagers (< 20 years) was East Tremont with 8.8%, followed by Morrisania with 8.6%, Mott Haven with 8.1%, Hunts Point with 8.0%, and Brownsville and University/Morris Heights both with 7.9%.
- The following community districts had less than 1% of live births to teenagers: Battery Park/Tribeca, Murray Hill, Greenwich Village/SOHO, Upper East Side, Rego Park/Forest Hills, and Bayside.

Percentage of Live Births to Teens by Community District (CD) of Residence, New York City, 2013-2015

CD	MANHATTAN	Birth Percentage	CD	BRONX	Birth Percentage	CD	BROOKLYN	Birth Percentage	CD	QUEENS	Birth Percentage
MN01	Battery Park, Tribeca	0.2	BX01	Mott Haven	8.1	BK01	Williamsburg, Greenpoint	2.1	QN01	Astoria, Long Island City	3.0
MN02	Greenwich Village, SOHO	0.3	BX02	Hunts Point	8.0	BK02	Fort Greene, Brooklyn Heights	1.8	QN02	Sunnyside, Woodside	2.3
MN03	Lower East Side	3.3	BX03	Morrisania	8.6	BK03	Bedford Stuyvesant	5.9	QN03	Jackson Heights	4.9
MN04	Chelsea, Clinton	1.5	BX04	Concourse, Highbridge	7.3	BK04	Bushwick	7.8	QN04	Elmhurst, Corona	4.5
MN05	Midtown Business District	1.0	BX05	University /Morris Heights	7.9	BK05	East New York	7.5	QN05	Ridgewood, Glendale	4.0
MN06	Murray Hill	0.3	BX06	East Tremont	8.8	BK06	Park Slope	1.8	QN06	Rego Park, Forest Hills	0.6
MN07	Upper West Side	1.0	BX07	Fordham	6.9	BK07	Sunset Park	3.4	QN07	Flushing	1.6
MN08	Upper East Side	0.4	BX08	Riverdale	3.4	BK08	Crown Heights North	4.7	QN08	Fresh Meadows, Briarwood	1.8
MN09	Manhattanville	4.4	BX09	Unionport, Soundview	6.6	BK09	Crown Heights South	2.7	QN09	Woodhaven	3.8
MN10	Central Harlem	4.8	BX10	Throgs Neck	4.2	BK10	Bay Ridge	1.8	QN10	Howard Beach	4.4
MN11	East Harlem	6.3	BX11	Pelham Parkway	4.9	BK11	Bensonhurst	2.3	QN11	Bayside	0.8
MN12	Washington Heights	5.1	BX12	Williamsbridge	7.3	BK12	Borough Park	2.2	QN12	Jamaica, St. Albans	5.4
						BK13	Coney Island	4.6	QN13	Queens Village	3.0
CD	STATEN ISLAND					BK14	Flatbush, Midwood	3.3	QN14	The Rockaways	6.0
SI01	Port Richmond	5.9				BK15	Sheepshead Bay	2.6			
SI02	Willowbrook, South Beach	1.8				BK16	Brownsville	7.9			
SI03	Tottenville	1.1				BK17	East Flatbush	4.6			
						BK18	Canarsie	3.2			

INDUCED TERMINATION OF PREGNANCY

Figure 12. Age-adjusted Induced Termination of Pregnancy Rate by Mother's Racial/Ethnic Group, New York City, 2006–2015



- The 2015 citywide age-adjusted rate of induced terminations of pregnancy, at 30.4 terminations per 1,000 females aged 15 to 44 years, declined 32.9% since 2006. Similarly, age-adjusted rates among each racial/ethnic group declined: 41.8% among Hispanics, 36.6% among non-Hispanic blacks, 34.8% among Asians and Pacific Islanders, and 4.5% among non-Hispanic whites.
- The disparity between non-Hispanic white and non-Hispanic black induced termination of pregnancy rate has narrowed since 2006; the rate was 3.7 times higher among non-Hispanic blacks than non-Hispanic whites (56.2 per 1,000 females age 15-44 vs. 15.0) in 2015, compared to 5.6 in 2006.

- The 2015 citywide rate of induced terminations of pregnancy declined 31.1% since 2006, from 47.6 to 32.8 terminations per 1,000 females aged 15-49 years.
- Since 2006, the crude rate declined 56.5% among teens (15 to 19 years of age), from 58.8 terminations per 1,000 females in 2006 to 25.6 in 2015. The rate declined by 31.0% among women 20 to 29 years of age, 21.8% among women 30 to 39 years of age and 7.8% among women 40 and older.
- Rates remain the highest among women 20 to 29 years of age, followed by women 30 to 39 years of age, then teens, and women 40 and over.

Figure 13. Age-specific Induced Termination of Pregnancy Rate by Mother's Age, New York City, 2006–2015

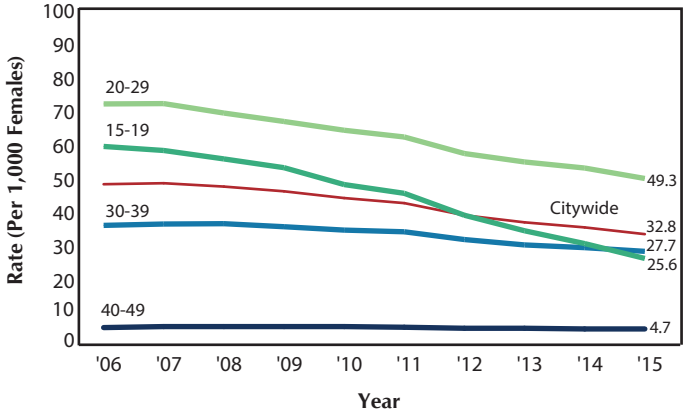
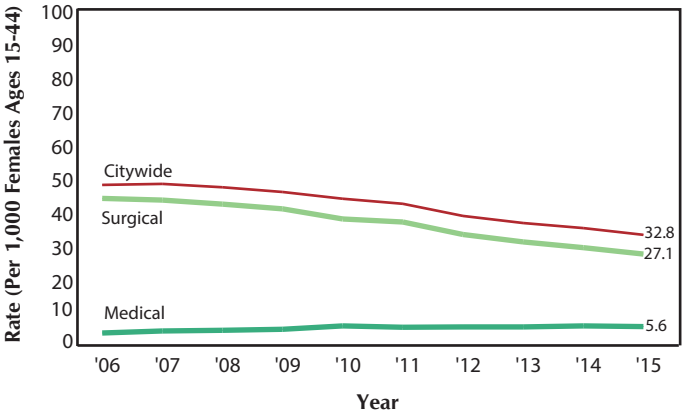


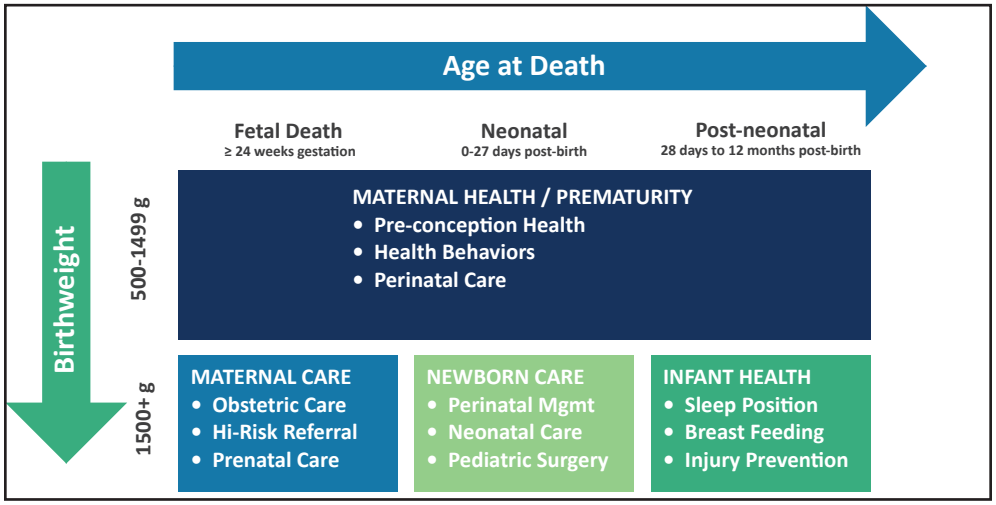
Figure 14. Crude Induced Termination of Pregnancy Rate by Medical vs. Surgical Procedure, New York City, 2006–2015



- Medication-induced abortion, using mifepristone in combination with misoprostol, is termed a "medical abortion" and may be performed up to nine weeks' gestation, rather than a surgical procedure, to terminate a pregnancy. Medical abortion is not to be confused with the morning-after pill, also known as emergency contraception, used to prevent pregnancy.
- Since 2006, the crude rate of medical abortion in New York City increased 51.4%, to 5.6 terminations per 1,000 females age 15-44, while the rate of surgical abortion decreased 37.8% to 27.1 terminations per 1,000 females age 15-44.

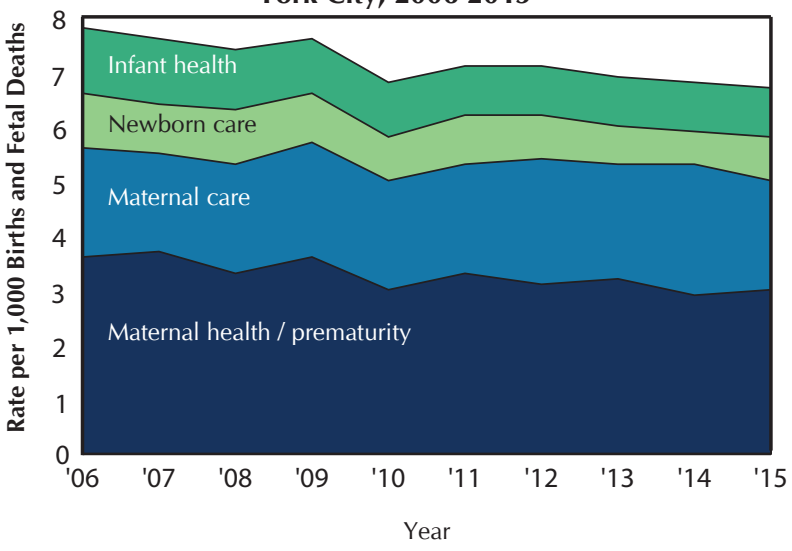
SPECIAL SECTION PERINATAL PERIODS OF RISK (PPOR)

Figure S1. Model of Perinatal Periods of Risk and Intervention Priorities



- Based on WHO/CDC's Periods of Risk approach (1991) to reduce fetal deaths (more commonly called miscarriages and/or stillbirths) and infant mortality, the Perinatal Periods of Risk (PPOR) methodology was developed to address the complexity of infant mortality. The framework (see above) illustrates four periods of risk based on birthweight and gestational age/age at death, and the labels indicate the primary areas of prevention.
- The PPOR model classifies fetal and infant deaths based on birth weight (500-1499 grams vs. 1500 grams or more), and gestational age or age at death. Fetal deaths occur at ≥24 weeks gestation. Among live births, neonatal deaths occur from 0-27 days and post-neonatal deaths occur from 28 days to 12 months.
- Each labeled box in the PPOR model (maternal health / prematurity; maternal care; newborn care; and infant health) represents a period of risk, and within each period, deaths are similar in terms of causes, maternal risk factors, and opportunities for prevention.
- PPOR first requires that deaths are 'mapped' to the correct period of risk based on birthweight and gestational age/age at death. The mortality rate is then calculated for each period of risk. Mortality rates from the four periods should sum to the overall mortality rate.

Figure S2. Contributions to Fetal-infant Mortality Rates per 1,000 Births and Fetal Deaths, New York City, 2006-2015



- The overall fetal-infant mortality rate (FIMR) for New York City is 6.7 per 1,000 live births, decreasing by 14.1% since 2006, and by 0.8% since 2014.
- The figure illustrates the relative contribution of risk factors to the overall FIMR. Refer to Figure S1 for specific risk factors. Deaths with a birthweight between 500-1499 grams and occurring at any gestational age or birth age contributed nearly half to the FIMR, indicating that prevention efforts should focus on maternal health / prematurity risk factors.
- The share of FIMR attributable to the infant health period decreased from 15.4% in 2006 to 13.4% in 2015 (post-neonatal deaths with a birthweight 1500 grams or greater). The contribution of the maternal care period to FIMR increased from 25.6% in 2006 to 29.9% in 2015 (fetal deaths with a birthweight 1500 grams or greater). The share of FIMR attributable to the newborn care period decreased 6.9% between 2006 and 2015 (neonatal deaths with a birthweight 1500 grams or greater).

SPECIAL SECTION PERINATAL PERIODS OF RISK (PPOR)

Table S1. Fetal-infant Mortality Rate per 1,000 Births and Fetal Deaths by Perinatal Period of Risk, Year, and Ethnic Group, New York City, 2011-2015

	Births & Fetal Deaths*	Maternal Health/ Prematurity		Maternal Care		Newborn Care		Infant Health		Total Fetal-Infant Mortality	
Year	Number	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
2011	123,334	401	3.3	251	2.0	105	0.9	116	0.9	873	7.1
2012	123,567	388	3.1	285	2.3	103	0.8	116	0.9	892	7.2
2013	120,755	383	3.2	256	2.1	87	0.7	106	0.9	832	6.9
2014	122,416	354	2.9	295	2.4	71	0.6	107	0.9	827	6.8
2015	121,966	366	3.0	238	2.0	101	0.8	107	0.9	812	6.7
Mother's Ethnic Group, 2011-2015											
Puerto Rican	41,134	137	3.3	81	2.0	49	1.2	43	1.0	310	7.5
Other Hispanic	140,289	388	2.8	270	1.9	110	0.8	139	1.0	907	6.5
Asian and Pacific Islander	101,774	201	2.0	139	1.4	64	0.6	62	0.6	466	4.6
Non-Hispanic White	198,693	340	1.7	334	1.7	112	0.6	105	0.5	891	4.5
Non-Hispanic Black	121,978	742	6.1	392	3.2	125	1.0	198	1.6	1,457	11.9
Other or Unknown	8,170	84	-	109	-	7	-	5	-	205	-
NEW YORK CITY	612,038	1,892	3.1	1,325	2.2	467	0.8	552	0.9	4,236	6.9

*Limited to fetal deaths (spontaneous terminations of pregnancy) of at least 24 weeks gestation and live births of birthweight 500 grams or more.

For additional information about the PPOR methodology, see page Technical Notes page 104.

Table S2. Fetal-infant Mortality Rate per 1,000 Births and Fetal Deaths by Perinatal Period of Risk and Community District of Residence, New York City, 2011-2015

	Births & Fetal Deaths*	Maternal Health/Prematurity		Maternal Care		Newborn Care		Infant Health		Total Fetal-Infant Mortality	
Community District of Residence	Number	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
MANHATTAN	92,258	193	2.1	135	1.5	59	0.6	64	0.7	451	4.9
Battery Park, Tribeca (01)	5,744	7	1.2	5	0.9	4	0.7	2	0.3	18	3.1
Greenwich Village, SOHO (02)	4,002	5	1.2	4	1.0	1	0.2	-	-	10	2.5
Lower East Side (03)	7,911	20	2.5	9	1.1	3	0.4	5	0.6	37	4.7
Chelsea, Clinton (04)	4,883	9	1.8	5	1.0	6	1.2	4	0.8	24	4.9
Midtown Business District (05)	2,910	4	1.4	6	2.1	2	0.7	4	1.4	16	5.5
Murray Hill (06)	6,473	6	0.9	15	2.3	2	0.3	4	0.6	27	4.2
Upper West Side (07)	13,095	21	1.6	22	1.7	7	0.5	7	0.5	57	4.4
Upper East Side (08)	13,180	15	1.1	10	0.8	4	0.3	2	0.2	31	2.4
Manhattanville (09)	5,801	16	2.8	9	1.6	6	1.0	5	0.9	36	6.2
Central Harlem (10)	8,242	39	4.7	19	2.3	11	1.3	13	1.6	82	9.9
East Harlem (11)	7,919	22	2.8	12	1.5	3	0.4	8	1.0	45	5.7
Washington Heights (12)	12,098	29	2.4	19	1.6	10	0.8	10	0.8	68	5.6
BRONX	101,020	364	3.6	235	2.3	100	1.0	128	1.3	827	8.2
Mott Haven (01)	8,156	27	3.3	28	3.4	10	1.2	17	2.1	82	10.1
Hunts Point (02)	4,440	20	4.5	12	2.7	4	0.9	7	1.6	43	9.7
Morrisania (03)	7,278	38	5.2	21	2.9	10	1.4	11	1.5	80	11.0
Concourse, Highbridge (04)	12,917	47	3.6	40	3.1	13	1.0	13	1.0	113	8.7
University/Morris Heights (05)	11,524	37	3.2	13	1.1	15	1.3	14	1.2	79	6.9
East Tremont (06)	6,897	30	4.3	15	2.2	7	1.0	12	1.7	64	9.3
Fordham (07)	11,363	28	2.5	25	2.2	7	0.6	10	0.9	70	6.2
Riverdale (08)	5,716	17	3.0	6	1.0	2	0.3	5	0.9	30	5.2
Unionport, Soundview (09)	12,304	42	3.4	30	2.4	9	0.7	16	1.3	97	7.9
Throgs Neck (10)	4,920	13	2.6	8	1.6	2	0.4	5	1.0	28	5.7
Pelham Parkway (11)	6,716	27	4.0	9	1.3	8	1.2	8	1.2	52	7.7
Williamsbridge (12)	8,788	37	4.2	28	3.2	13	1.5	10	1.1	88	10.0
BROOKLYN	206,778	617	3.0	449	2.2	136	0.7	186	0.9	1,388	6.7
Williamsburg, Greenpoint (01)	18,108	30	1.7	29	1.6	10	0.6	17	0.9	86	4.7
Fort Greene, Brooklyn Heights (02)	8,237	23	2.8	13	1.6	4	0.5	2	0.2	42	5.1
Bedford Stuyvesant (03)	11,905	53	4.5	45	3.8	12	1.0	15	1.3	125	10.5
Bushwick (04)	8,050	18	2.2	23	2.9	8	1.0	17	2.1	66	8.2
East New York (05)	13,695	77	5.6	39	2.8	14	1.0	20	1.5	150	11.0
Park Slope (06)	9,077	15	1.7	18	2.0	2	0.2	4	0.4	39	4.3
Sunset Park (07)	14,645	35	2.4	27	1.8	8	0.5	5	0.3	75	5.1
Crown Heights North (08)	6,664	27	4.1	21	3.2	7	1.1	7	1.1	62	9.3
Crown Heights South (09)	7,772	26	3.3	12	1.5	5	0.6	8	1.0	51	6.6
Bay Ridge (10)	9,401	18	1.9	30	3.2	2	0.2	4	0.4	54	5.7
Bensonhurst (11)	12,848	30	2.3	8	0.6	11	0.9	11	0.9	60	4.7
Borough Park (12)	27,563	47	1.7	52	1.9	12	0.4	14	0.5	125	4.5
Coney Island (13)	6,166	21	3.4	5	0.8	6	1.0	7	1.1	39	6.3
Flatbush, Midwood (14)	13,279	40	3.0	31	2.3	7	0.5	4	0.3	82	6.2
Sheepshead Bay (15)	10,712	16	1.5	16	1.5	4	0.4	10	0.9	46	4.3
Brownsville (16)	7,001	39	5.6	15	2.1	8	1.1	12	1.7	74	10.6
East Flatbush (17)	10,088	59	5.8	38	3.8	5	0.5	17	1.7	119	11.8
Canarsie (18)	11,562	43	3.7	27	2.3	11	1.0	12	1.0	93	8.0

Continued on next page.

Table S2. Fetal-infant Mortality Rate per 1,000 Births and Fetal Deaths by Perinatal Period of Risk and Community District of Residence, New York City, 2011-2015 (Continued)

	Births & Fetal Deaths*	Maternal Health/Prematurity		Maternal Care		Newborn Care		Infant Health		Total Fetal-Infant Mortality	
Community District of Residence	Number	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
QUEENS	134,402	361	2.7	234	1.7	94	0.7	109	0.8	798	5.9
Astoria, Long Island City (01)	10,041	23	2.3	15	1.5	9	0.9	7	0.7	54	5.4
Sunnyside, Woodside (02)	8,127	17	2.1	15	1.8	7	0.9	7	0.9	46	5.7
Jackson Heights (03)	13,402	26	1.9	23	1.7	10	0.7	15	1.1	74	5.5
Elmhurst, Corona (04)	13,651	38	2.8	21	1.5	14	1.0	11	0.8	84	6.2
Ridgewood, Glendale (05)	10,235	21	2.1	21	2.1	5	0.5	5	0.5	52	5.1
Rego Park, Forest Hills (06)	6,908	16	2.3	8	1.2	1	0.1	5	0.7	30	4.3
Flushing (07)	14,531	25	1.7	23	1.6	9	0.6	9	0.6	66	4.5
Fresh Meadows, Briarwood (08)	8,908	19	2.1	10	1.1	5	0.6	7	0.8	41	4.6
Woodhaven (09)	9,431	27	2.9	16	1.7	7	0.7	6	0.6	56	5.9
Howard Beach (10)	6,360	19	3.0	10	1.6	2	0.3	6	0.9	37	5.8
Bayside (11)	3,451	9	2.6	6	1.7	-	-	1	0.3	16	4.6
Jamaica, St. Albans (12)	14,659	72	4.9	32	2.2	13	0.9	23	1.6	140	9.6
Queens Village (13)	8,255	30	3.6	15	1.8	9	1.1	3	0.4	57	6.9
The Rockaways (14)	6,442	19	2.9	19	2.9	3	0.5	4	0.6	45	7.0
STATEN ISLAND	26,625	70	2.6	66	2.5	18	0.7	30	1.1	184	6.9
Port Richmond (01)	11,882	46	3.9	35	2.9	10	0.8	20	1.7	111	9.3
Willowbrook, South Beach (02)	7,111	14	2.0	18	2.5	5	0.7	5	0.7	42	5.9
Tottenville (03)	7,562	10	1.3	13	1.7	3	0.4	5	0.7	31	4.1
New York City Residents	561,083	1,605	2.9	1,119	2.0	407	0.7	517	0.9	3,648	6.5
Non-Residents	50,737	204	4.0	111	2.2	60	1.2	35	0.7	410	8.1
Residents Unknown	218	83	-	95	-	-	-	-	-	178	-

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

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

SUMMARY OF VITAL STATISTICS
2015
THE CITY OF NEW YORK
Appendix A

Supplemental Population, Mortality, Infant 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

POPULATION CHARACTERISTICS

Table PC1. Population, Live Births, Fertility Rates, Marriages, Deaths, and Infant Mortality, New York City, 1898-2015

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	64.5	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
2012	8,336,697	123,231	14.8	64.1	74,362	8.9	52,455	6.3	583	4.7
2013	8,405,837	120,457	14.3	62.6	77,678	9.2	53,409	6.4	551	4.6
2014	8,491,079	122,084	14.4	62.9	78,409	9.2	53,038	6.2	516	4.2
2015	8,550,405	121,673	14.2	62.7	77,777	9.1	54,120	6.3	526	4.3

*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.

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

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

Table PC2. Population Estimates by Age, Mutually Exclusive Race and Hispanic Origin, and Sex, New York City, 2015

Age in	All			Hispanic			Non-Hispanic White			Non-Hispanic Black			Asian and Pacific Islander			Other or Multiple Races		
Years	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
All Ages	8,550,405	4,081,711	4,468,694	2,485,125	1,206,999	1,278,126	2,758,653	1,345,271	1,413,382	1,907,908	862,575	1,045,333	1,236,896	590,939	645,957	161,823	75,927	85,896
Under 5	570,601	292,324	278,277	198,942	101,970	96,972	156,379	80,097	76,282	119,472	60,602	58,870	72,969	38,018	34,951	22,839	11,637	11,202
5-9	487,094	248,515	238,579	171,963	87,790	84,173	132,044	67,329	64,715	109,085	55,109	53,976	58,704	30,586	28,118	15,298	7,701	7,597
10-14	465,776	237,416	228,360	164,228	83,572	80,656	116,921	60,194	56,727	113,935	57,368	56,567	59,053	30,443	28,610	11,639	5,839	5,800
15-19	468,873	236,504	232,369	168,259	85,905	82,354	110,365	55,476	54,889	118,441	59,158	59,283	60,883	30,714	30,169	10,925	5,251	5,674
20-24	609,055	296,436	312,619	207,762	105,225	102,537	157,752	74,663	83,089	144,719	69,790	74,929	86,575	41,070	45,505	12,247	5,688	6,559
25-29	800,879	387,881	412,998	221,969	113,796	108,173	283,160	134,902	148,258	156,658	74,693	81,965	124,015	57,713	66,302	15,077	6,777	8,300
30-34	725,861	354,321	371,540	204,103	103,966	100,137	259,074	129,079	129,995	135,799	62,755	73,044	114,047	52,815	61,232	12,838	5,706	7,132
35-39	623,554	302,864	320,690	183,851	91,442	92,409	203,934	104,812	99,122	125,014	55,932	69,082	100,344	46,007	54,337	10,411	4,671	5,740
40-44	563,316	272,417	290,899	166,567	81,796	84,771	174,111	90,447	83,664	120,507	52,668	67,839	93,001	43,297	49,704	9,130	4,209	4,921
45-49	558,485	269,162	289,323	162,595	78,466	84,129	167,329	87,207	80,122	132,401	58,335	74,066	87,335	41,069	46,266	8,825	4,085	4,740
50-54	560,555	267,065	293,490	153,164	71,483	81,681	169,109	87,534	81,575	142,624	62,568	80,056	87,297	41,583	45,714	8,361	3,897	4,464
55-59	531,428	248,880	282,548	133,159	60,518	72,641	174,493	86,537	87,956	133,083	58,019	75,064	83,270	40,440	42,830	7,423	3,366	4,057
60-64	457,913	208,670	249,243	107,579	47,049	60,530	169,368	80,899	88,469	106,499	44,918	61,581	68,837	33,260	35,577	5,630	2,544	3,086
65-69	375,304	165,466	209,838	83,317	35,225	48,092	151,627	69,901	81,726	83,507	33,577	49,930	52,603	24,936	27,667	4,250	1,827	2,423
70-74	259,724	109,491	150,233	58,746	23,721	35,025	103,829	46,210	57,619	62,058	23,379	38,679	32,456	15,061	17,395	2,635	1,120	1,515
75-79	196,815	80,453	116,362	43,510	16,906	26,604	82,259	35,486	46,773	44,288	15,903	28,385	24,841	11,344	13,497	1,917	814	1,103
80-84	136,808	52,528	84,280	28,593	9,984	18,609	62,498	25,776	36,722	28,755	9,432	19,323	15,840	6,934	8,906	1,122	402	720
85 & Over	158,364	51,318	107,046	26,818	8,185	18,633	84,401	28,722	55,679	31,063	8,369	22,694	14,826	5,649	9,177	1,256	393	863

Data Source: US Census Bureau, population estimates, 2015.

Table PC3. Marriages, Births, Deaths, and Infant Deaths by Month and Average per Day, New York City, 2015

	Number				Average Per Day			
Months	Marriages*	Births	Deaths	Infant Deaths	Marriages	Births	Deaths	Infant Deaths
January	4,499	9,997	5,434	44	145	322	175	1.4
February	4,974	9,069	4,830	42	178	324	173	1.5
March	6,086	10,076	4,799	50	196	325	155	1.6
April	6,712	9,855	4,503	48	224	329	150	1.6
May	6,940	10,237	4,377	33	224	330	141	1.1
June	7,411	10,153	4,159	47	247	338	139	1.6
July	7,374	10,687	4,242	47	238	345	137	1.5
August	7,662	10,485	4,373	43	247	338	141	1.4
September	7,368	10,403	4,094	42	246	347	136	1.4
October	6,653	10,522	4,576	41	215	339	148	1.3
November	5,636	9,789	4,233	32	188	326	141	1.1
December	6,462	10,400	4,500	57	208	335	145	1.8
Total	77,777	121,673	54,120	526	213	333	148	1.4

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

Table M1. Deaths by Selected Underlying Cause, Borough of Residence, Sex, and ICD-10/ICD-9 Comparability Ratio, New York City, 2015

Cause (Codes from International Classification of Diseases (ICD), Tenth Revision, 1999)		Total	BOROUGH OF RESIDENCE							SEX		ICD-10/ICD-9 Comparability Ratio
			Manhattan	Bronx	Brooklyn	Queens	Staten Island	Nonresidents	Residence Unknown	Male	Female	
Total Deaths		54,120	9,636	8,958	15,230	12,411	3,540	4,219	126	26,605	27,515	
Natural Causes		50,977	9,148	8,392	14,345	11,769	3,327	3,894	102	24,373	26,604	
1.*	Tuberculosis (A16-A19)	20	4	2	6	7	-	1	-	14	6	0.88
	Respiratory tuberculosis (A16)	17	3	2	5	6	-	1	-	12	5	0.94
2.*	Septicemia (A40-A41)	496	84	97	125	131	17	40	2	211	285	1.19
3.*	Viral Hepatitis (B15-B19)	305	42	83	80	47	18	32	3	200	105	0.71
4.*	Human Immunodeficiency Virus (HIV) Disease (B20-B24)	483	94	164	128	54	17	22	4	332	151	1.08
5.	All Other Infective and Parasitic Diseases (Rest of A01-B99)	376	75	67	103	80	22	28	1	176	200	
6.*	Malignant Neoplasms (C00-C97)	13,318	2,480	1,978	3,591	2,839	843	1,578	9	6,501	6,817	1.01
	Lip, oral cavity, and pharynx (C00-C14)	231	51	41	51	48	12	27	1	167	64	0.96
	Esophagus (C15)	251	53	45	53	45	21	34	-	172	79	0.99
	Stomach (C16)	434	61	57	128	124	17	47	-	236	198	1.01
	Colon, rectum, and anus (C18-C21)	1,275	239	200	328	299	82	127	-	632	643	1.00
	Liver and intrahepatic bile ducts (C22)	705	131	136	201	136	35	66	-	470	235	0.96
	Pancreas (C25)	992	203	127	286	217	59	100	-	455	537	1.00
	Larynx (C32)	86	13	20	19	21	5	7	1	65	21	1.01
	Trachea, bronchus, and lung (C33-C34)	2,724	514	400	709	577	237	287	-	1,453	1,271	0.98
	Melanoma of skin (C43)	97	22	9	21	18	8	19	-	55	42	0.95
	Mesothelioma (C45)	29	3	1	11	6	1	7	-	25	4	
	Breast (C50)	1,062	195	164	318	233	52	98	2	13	1,049	1.01
	Cervix uteri (C53)	131	11	17	48	32	7	16	-	-	131	1.00
	Corpus uteri and uterus, part unspecified (C54-C55)	403	76	56	131	76	24	40	-	-	403	1.02
	Ovary (C56)	366	74	36	109	70	18	59	-	-	366	0.99
	Prostate (C61)	707	139	122	207	136	43	58	2	707	-	1.01
	Kidney and renal pelvis (C64-C65)	287	53	42	66	58	30	38	-	198	89	1.00
	Bladder (C67)	348	69	46	82	79	30	42	-	234	114	1.00
	Meninges, brain, and other parts of central nervous system (C70-C72)	292	54	38	78	56	17	49	-	147	145	0.98
	Lymphoid, hematopoietic and related tissues (C81-C96)	1,404	256	200	332	291	65	260	-	768	636	1.00
	Hodgkin's disease (C81)	36	7	6	7	8	2	6	-	21	15	1.00
	Non-Hodgkin's lymphoma (C82-C85)	464	79	71	94	102	23	95	-	263	201	0.98
	Multiple myeloma and immunoproliferative neoplasms (C88, C90)	314	54	44	86	70	17	43	-	161	153	1.04
	Leukemia (C91-C95)	586	114	79	144	111	23	115	-	322	264	1.01
7.*	In Situ or Benign Neoplasms and Neoplasms of Uncertain or Unknown Behavior (D00-D48)	298	61	39	78	66	13	40	1	142	156	1.63
8.*	Anemias (D50-D64)	67	13	17	17	10	4	6	-	26	41	0.94
9.*	Diabetes Mellitus (E10-E14)	1,852	281	352	605	405	123	81	5	929	923	1.02
10.†	Mental and Behavioral Disorders Due to Use of Alcohol (F10)	264	52	58	63	59	17	8	7	196	68	
11.	Mental and Behavioral Disorders Due to Use of Psychoactive Substance Excluding Alcohol and Tobacco (F11-F16, F18-F19) ‡	195	50	80	26	19	5	11	4	145	50	
12.	Diseases of Nervous System (G00-G98)	2,215	567	363	504	530	161	90	-	856	1,359	
*	Meningitis (G00,G03)	14	1	4	5	1	2	1	-	4	10	1.01
*	Parkinson's disease (G20-G21)	391	125	62	77	86	23	18	-	234	157	1.01
*	Alzheimer's disease (G30)	1,079	284	208	288	241	24	34	-	313	766	1.58
13.	Major Cardiovascular Diseases (I00-I78)	20,503	3,378	3,191	6,036	5,206	1,507	1,144	41	9,787	10,716	1.00
*	Diseases of heart (I00-I09, I11, I13, I20-I51)	17,125	2,706	2,584	5,179	4,386	1,333	902	35	8,269	8,856	0.99
	Acute rheumatic fever and chronic rheumatic heart diseases (I00-I09)	38	10	4	7	10	-	7	-	10	28	0.88
	Hypertensive heart disease (I11)	2,085	410	399	716	352	116	86	6	969	1,116	0.80
	Hypertensive heart and renal disease (I13)	169	35	52	45	23	7	7	-	81	88	1.13
	Chronic ischemic heart disease (I20, I25)	10,981	1,568	1,522	3,342	3,158	849	518	24	5,408	5,573	1.01
	Acute myocardial infarction (I21-I22)	2,040	316	317	601	420	264	121	1	962	1,078	0.99
	Cardiomyopathy (I42)	164	27	27	43	40	9	18	-	104	60	

Continued on the next page.

Table M1. Deaths by Selected Underlying Cause, Borough of Residence, Sex, and ICD-10/ICD-9 Comparability Ratio, New York City, 2015 (Continued)

	Cause (Codes from International Classification of Diseases (ICD), Tenth Revision, 1999)	Total	BOROUGH OF RESIDENCE							SEX		ICD-10/ICD-9 Comparability Ratio
			Manhattan	Bronx	Brooklyn	Queens	Staten Island	Nonresidents	Residence Unknown	Male	Female	
	Heart failure (I50)	452	87	68	145	106	18	27	1	223	229	1.04
*	Essential hypertension and hypertensive renal disease (I10, I12, I15)	1,105	234	219	288	249	57	56	2	504	601	1.12
*	Cerebrovascular diseases (I60-I69)	1,847	357	324	466	464	94	140	2	808	1,039	1.05
*	Atherosclerosis (I70)	167	32	24	37	51	11	12	-	76	91	0.97
*	Aortic aneurysm and dissection (I71)	141	24	24	31	28	8	25	1	81	60	1.00
14.*	Influenza and Pneumonia (J09-J18)	2,096	299	375	680	482	141	113	6	998	1,098	0.70
15.*	Chronic Lower Respiratory Diseases (J40-J47)	1,762	340	358	446	397	134	84	3	796	966	1.04
	Emphysema (J43)	99	21	7	33	30	5	3	-	46	53	0.96
	Asthma (J45-J46)	167	31	57	42	27	5	5	-	68	99	0.89
16.	Pneumoconiosis Due to Asbestos and Other Mineral Fibres (J61)	0	-	-	-	-	-	-	-	-	-	
17.*	Pneumonitis Due to Solids and Liquids (J69)	142	29	21	43	37	4	8	-	74	68	1.10
18.*	Peptic Ulcer (K25-K28)	105	21	17	35	20	5	7	-	61	44	0.97
19.*	Chronic Liver Disease and Cirrhosis (K70, K73-K74)	610	86	111	160	149	29	72	3	423	187	1.03
	Alcoholic liver disease (K70)	412	64	74	106	98	20	47	3	309	103	1.00
20.*	Cholelithiasis and Other Disorders of Gallbladder (K80-K82)	84	13	10	29	19	8	5	-	38	46	0.96
21.*	Nephritis, Nephrotic Syndrome, and Nephrosis (N00-N07, N17-N19, N25-N27)	437	67	55	159	95	24	35	2	219	218	1.26
	Renal failure (N17-N19)	422	64	50	157	93	23	33	2	212	210	1.33
22.*	Pregnancy, Childbirth, and the Puerperium (O00-O99)	39	4	14	11	8	-	2	-	-	39	1.14
	Maternal causes (A34, O00-O95, O98-O99)§	35	3	13	11	6	-	2	-	-	35	
23.*	Certain Conditions Originating in the Perinatal Period (P00-P96)	280	34	63	79	65	10	29	-	160	120	1.08
24.*	Congenital Malformations, Deformations, and Chromosomal Abnormalities (Q00-Q99)	226	36	40	51	47	8	44	-	112	114	0.90
25.	Symptoms, Signs, and Abnormal Findings, Not Elsewhere Classified (R00-R94, R96-R99)	341	138	55	59	55	11	22	1	130	211	0.98
	Pending final determination (R99)	0	-	-	-	-	-	-	-	-	-	
26.	Sudden Infant Death Syndrome (R95)	0	-	-	-	-	-	-	-	-	-	1.06
27.	All Other Natural Causes (Rest of A00-R99)	4,463	900	782	1,231	942	206	392	10	1,847	2,616	
External Causes		3,143	488	566	885	642	213	325	24	2,232	911	
	Injury by Firearms (W32-W34, X72-X74, X93-X95, Y22-Y24, Y35.0)	297	25	57	125	57	14	19	-	274	23	1.00
28.†	Accidents (V01-X59,Y85-Y86)	1,912	273	355	513	398	151	204	18	1,334	578	1.03
	Accidental poisoning by psychoactive substances, excluding alcohol and tobacco (X40-X42, X44) ‡	856	132	204	217	137	67	90	9	646	210	1.04
†	Mental and behavioral disorders due to use of or accidental poisoning by psychoactive substance excluding alcohol and tobacco (F11-F16, F18-F19, X40-X42, X44) ‡	1,051	182	284	243	156	72	101	13	791	260	
†	Accidents except poisoning by psychoactive substance use	1,056	141	151	296	261	84	114	9	688	368	
	Motor vehicle accidents ||	258	22	39	73	56	24	42	2	164	94	0.95
	Accidental falls (W00-W19)	466	72	68	117	131	37	40	1	289	177	0.77
29.*	Intentional Self-harm (Suicide) (U03, X60-X84, Y87.0)	552	120	83	131	131	31	55	1	364	188	1.00
30.*	Assault (Homicide) (U01-U02, X85-Y09, Y87.1)	379	37	90	143	62	14	32	1	328	51	1.00
31.*	Legal Intervention (Y35, Y89.0)	5	2	1	-	-	1	1	-	5	-	0.94
32.	Events of Undetermined Intent (Y10-Y34, Y87.2, Y89.9)	265	46	34	90	46	16	29	4	184	81	0.99
33.*	Complications of Medical and Surgical Care (Y40-Y84, Y88)	30	10	3	8	5	-	4	-	17	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, 2015

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				
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	No.	No.
All Ages	54,120	6.3	26,605	6.5	27,515	6.2	10,182	4.1	5,243	4.3	4,939	3.9	24,568	8.9	11,848	8.8	12,720	9.0	14,178	7.4	6,630	7.7	7,548	7.2	4,078	3.3	2,274	3.8	1,804	2.8	1,114	610	504
Age-Adjusted		5.9		7.2		5.0		5.1		6.5		4.1		6.1		7.3		5.2		7.1		8.7		6.0		3.8		4.7		3.0			
Under 5	615	1.1	334	1.1	281	1.0	140	0.7	75	0.7	65	0.7	165	1.1	87	1.1	78	1.0	208	1.7	110	1.8	98	1.7	48	0.7	28	0.7	20	0.6	54	34	20
5-9	45	0.1	26	0.1	19	0.1	16	0.1	6	0.1	10	0.1	13	0.1	8	0.1	5	0.1	11	0.1	8	0.1	3	0.1	5	0.1	4	0.1	1	0	0	-	-
10-14	50	0.1	26	0.1	24	0.1	16	0.1	8	0.1	8	0.1	13	0.1	9	0.1	4	0.1	17	0.1	7	0.1	10	0.2	4	0.1	2	0.1	2	0.1	0	-	-
15-19	147	0.3	107	0.5	40	0.2	37	0.2	28	0.3	9	0.1	34	0.3	18	0.3	16	0.3	59	0.5	46	0.8	13	0.2	15	0.2	13	0.4	2	0.1	2	2	-
20-24	393	0.6	276	0.9	117	0.4	131	0.6	95	0.9	36	0.4	100	0.6	75	1.0	25	0.3	127	0.9	87	1.2	40	0.5	29	0.3	16	0.4	13	0.3	6	3	3
25-29	463	0.6	337	0.9	126	0.3	116	0.5	90	0.8	26	0.2	142	0.5	108	0.8	34	0.2	158	1.0	104	1.4	54	0.7	39	0.3	27	0.5	12	0.2	8	8	-
30-34	547	0.8	345	1.0	202	0.5	163	0.8	104	1.0	59	0.6	146	0.6	92	0.7	54	0.4	183	1.3	113	1.8	70	1.0	46	0.4	32	0.6	14	0.2	9	4	5
35-39	666	1.1	427	1.4	239	0.7	189	1.0	135	1.5	54	0.6	199	1.0	134	1.3	65	0.7	212	1.7	124	2.2	88	1.3	49	0.5	26	0.6	23	0.4	17	8	9
40-44	863	1.5	507	1.9	356	1.2	241	1.4	145	1.8	96	1.1	241	1.4	154	1.7	87	1.0	288	2.4	158	3.0	130	1.9	69	0.7	34	0.8	35	0.7	24	16	8
45-49	1,480	2.7	888	3.3	592	2.0	374	2.3	249	3.2	125	1.5	426	2.5	263	3.0	163	2.0	523	4.0	286	4.9	237	3.2	113	1.3	68	1.7	45	1.0	44	22	22
50-54	2,371	4.2	1,437	5.4	934	3.2	579	3.8	356	5.0	223	2.7	686	4.1	426	4.9	260	3.2	887	6.2	509	8.1	378	4.7	155	1.8	103	2.5	52	1.1	64	43	21
55-59	3,275	6.2	1,960	7.9	1,315	4.7	721	5.4	444	7.3	277	3.8	1,100	6.3	689	8.0	411	4.7	1,153	8.7	625	10.8	528	7.0	220	2.6	145	3.6	75	1.8	81	57	24
60-64	3,912	8.5	2,410	11.5	1,502	6.0	795	7.4	485	10.3	310	5.1	1,380	8.1	887	11.0	493	5.6	1,321	12.4	764	17.0	557	9.0	314	4.6	208	6.3	106	3.0	102	66	36
65-69	4,736	12.6	2,719	16.4	2,017	9.6	937	11.2	560	15.9	377	7.8	1,934	12.8	1,113	15.9	821	10.0	1,382	16.5	734	21.9	648	13.0	361	6.9	237	9.5	124	4.5	122	75	47
70-74	4,909	18.9	2,627	24.0	2,282	15.2	976	16.6	531	22.4	445	12.7	1,983	19.1	1,080	23.4	903	15.7	1,486	23.9	734	31.4	752	19.4	351	10.8	209	13.9	142	8.2	113	73	40
75-79	5,780	29.4	3,015	37.5	2,765	23.8	1,159	26.6	611	36.1	548	20.6	2,522	30.7	1,355	38.2	1,167	25.0	1,515	34.2	708	44.5	807	28.4	474	19.1	289	25.5	185	13.7	110	52	58
80-84	6,440	47.1	3,111	59.2	3,329	39.5	1,123	39.3	533	53.4	590	31.7	3,145	50.3	1,578	61.2	1,567	42.7	1,462	50.8	603	63.9	859	44.5	588	37.1	331	47.7	257	28.9	122	66	56
≥85	17,428	110.1	6,053	118.0	11,375	106.3	2,469	92.1	788	96.3	1,681	90.2	10,339	122.5	3,772	131.3	6,567	117.9	3,186	102.6	910	108.7	2,276	100.3	1,198	80.8	502	88.9	696	75.8	236	81	155
Mean age at death	73.1		69.5		76.7		69.4		65.4		73.6		77.4		73.9		80.7		69.0		65.1		72.5		72.7		70.4		75.7		67.1	63.9	71.0
Median age at death	77		72		81		73		68		78		82		77		85		71		67		76		77		74		81		71	68	76

* Population data are from US Census Bureau estimates for July 1, 2015, released in 2016 vintage file. See Table PC2 on page 41.

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Table M3. Deaths by Ancestry* and Borough of Residence, New York City, 2015

Ancestry	Total	Borough of Residence						Residence Unknown
		Manhattan	Bronx	Brooklyn	Queens	Staten Island	Nonresidents	
Total	54,120	9,636	8,958	15,230	12,411	3,540	4,219	126
Hispanic								
Colombian	314	31	16	30	205	5	27	-
Cuban	402	129	81	51	116	7	17	1
Dominican	2,049	692	736	265	287	10	57	2
Ecuadorian	464	60	85	68	223	9	19	-
Mexican	317	37	80	82	85	14	18	1
Puerto Rican	5,367	1,047	2,206	1,274	486	152	189	13
Other Hispanic	1,269	160	250	373	350	35	94	7
North American and Caribbean								
African American	10,022	1,954	2,441	3,233	1,652	235	493	14
American	10,583	2,836	892	2,042	2,364	846	1,595	8
Guyanese	873	9	90	332	392	8	42	-
Haitian	811	38	17	507	194	6	48	1
Jamaican	978	43	241	412	209	5	68	-
Trinidadian	317	10	19	178	97	1	12	-
Other North American and Caribbean	993	80	106	592	142	17	55	1
European								
English	223	59	18	32	45	36	33	-
German	714	130	79	77	302	70	55	1
Irish	1,445	124	191	190	482	270	187	1
Italian	4,085	141	427	1,096	965	1,094	362	-
Polish	690	77	51	220	236	54	51	1
Russian	961	50	35	666	124	60	26	-
Other European	2,687	313	153	985	937	169	129	1
Asian								
Asian Indian	358	23	15	28	190	27	75	-
Bangladeshi	174	5	36	33	97	1	2	-
Chinese	2,324	625	41	707	837	46	67	1
Filipino	234	24	15	31	110	25	29	-
Korean	337	33	14	16	241	10	23	-
Pakistani	151	7	5	47	62	12	18	-
Other Asian	631	111	42	142	223	26	86	1
Other								
Jewish or Hebrew	1,669	162	87	938	242	59	180	1
Other or Not Stated	2,678	626	489	583	516	231	162	71

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

Table M4. Deaths by Place of Death*, New York City, 2011-2015

	2011		2012		2013		2014		2015	
Place of Death	Deaths	%	Deaths	%	Deaths	%	Deaths	%	Deaths	%
Total	52,789	100.0	52,455	100.0	53,409	100.0	53,034	100.0	54,120	100.0
Hospital Inpatient	27,130	51.4	26,278	50.1	26,380	49.4	25,559	48.2	25,152	46.5
Emergency/Outpatient	4,197	8.0	4,286	8.2	4,435	8.3	4,423	8.3	4,457	8.2
Dead on Arrival (DOA)	747	1.4	582	1.1	640	1.2	585	1.1	800	1.5
Nursing Home/Long Term Care Facility	7,725	14.6	7,762	14.8	7,361	13.8	7,340	13.8	7,631	14.1
Hospice Facility	939	1.8	1,077	2.1	1,721	3.2	2,157	4.1	2,711	5.0
Decedents' Residence	11,215	21.2	11,640	22.2	12,137	22.7	12,318	23.2	12,657	23.4
Other	836	1.6	830	1.6	735	1.4	652	1.2	712	1.3
Unknown or Not Stated	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0

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

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Table M5. Deaths by Birthplace and Borough of Residence, New York City, 2015*

Birthplace	Total	Borough of Residence					Non-Residents	Residence Unknown
		Manhattan	Bronx	Brooklyn	Queens	Staten Island		
Total	54,120	9,636	8,958	15,230	12,411	3,540	4,219	126
United States & Territories	29,530	5,801	4,751	7,241	6,057	2,708	2,921	51
Puerto Rico	3,988	830	1,606	971	357	95	119	10
China	2,121	595	36	656	735	45	53	1
Dominican Republic	1,929	647	698	248	274	8	52	2
Jamaica	1,207	56	324	480	249	8	89	1
Ukraine	1,108	42	25	864	119	45	13	-
Italy	1,063	24	127	325	328	163	96	-
Guyana	929	10	99	356	410	9	45	-
Haiti	816	46	18	503	197	6	45	1
Poland	632	80	36	270	177	26	42	1
Trinidad and Tobago	564	20	36	344	134	7	23	-
Russia	472	32	24	275	94	26	21	-
Ecuador	446	60	80	66	215	9	16	-
Cuba	406	129	82	55	116	6	17	1
Germany	381	128	48	62	102	13	28	-
Greece	365	26	13	78	220	9	19	-
India	316	22	11	20	166	26	71	-
Colombia	306	33	17	31	198	6	21	-
Mexico	273	33	68	73	73	10	15	1
Korea	268	25	11	10	191	11	20	-
Romania	246	33	8	86	100	5	14	-
Philippines	245	28	17	31	114	28	27	-
Ireland	237	26	52	28	94	9	28	-
Barbados	235	15	15	168	30	2	5	-
Belarus	228	7	1	191	16	10	3	-
Panama	226	16	21	149	31	4	5	-
Hungary	213	31	12	103	52	3	12	-
Bangladesh	201	8	33	40	116	1	3	-
Other or Not Stated	5,169	833	689	1,506	1,446	242	396	57

* See Technical Notes: Geographical Units, Birthplace Presentation.

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Table M6. Deaths by Birthplace and Age, New York City, 2015*

		Age in Years								
Birthplace	Total	<15	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Total	54,120	710	540	1,010	1,529	3,851	7,187	9,645	12,220	17,428
United States & Territories	29,530	685	424	664	901	2,332	4,195	5,093	6,038	9,198
Puerto Rico	3,988	1	7	19	48	180	455	990	1,110	1,178
China	2,121	1	5	23	39	106	192	283	600	872
Dominican Republic	1,929	1	12	29	60	137	304	364	497	525
Jamaica	1,207	-	15	27	30	97	180	255	285	318
Ukraine	1,108	-	1	4	11	25	70	113	312	572
Italy	1,063	-	-	-	1	10	47	135	330	540
Guyana	929	-	3	15	24	97	145	200	239	206
Haiti	816	1	2	7	16	62	127	166	204	231
Poland	632	-	2	4	13	27	69	66	99	352
Trinidad and Tobago	564	-	3	10	17	55	83	163	115	118
Russia	472	-	4	9	7	12	43	73	120	204
Ecuador	446	-	5	12	24	37	44	91	108	125
Cuba	406	-	-	-	1	10	30	39	122	204
Germany	381	1	-	3	2	4	11	58	71	231
Greece	365	-	-	-	3	7	31	52	114	158
India	316	1	2	6	11	30	58	71	81	56
Colombia	306	1	2	3	5	19	42	59	95	80
Mexico	273	-	6	45	56	61	42	19	23	21
Korea	268	-	1	7	12	13	42	59	70	64
Romania	246	-	-	-	-	6	19	35	41	145
Philippines	245	-	1	1	6	11	36	66	66	58
Ireland	237	-	1	1	1	11	13	34	79	97
Barbados	235	-	-	-	4	10	24	47	72	78
Belarus	228	-	1	-	-	9	14	9	56	139
Panama	226	-	-	-	1	9	23	59	58	76
Hungary	213	-	-	-	1	2	4	22	38	146
Bangladesh	201	1	3	9	9	27	44	64	36	8
Other or Not Stated	5,169	17	40	112	226	445	800	960	1,141	1,428

* See Technical Notes: Geographical Units, Birthplace Presentation.

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Table M7. Leading Causes of Death by Age Group and Sex, New York City, 2015

		All		Male		Female	
Rank	ALL AGES	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Diseases of Heart	17,125	31.6	8,269	31.1	8,856	32.2
2	Malignant Neoplasms	13,318	24.6	6,501	24.4	6,817	24.8
3	Influenza and Pneumonia	2,096	3.9	998	3.8	1,098	4.0
4	Diabetes Mellitus	1,852	3.4	929	3.5	923	3.4
5	Cerebrovascular Diseases	1,847	3.4	808	3.0	1,039	3.8
6	Chronic Lower Respiratory Diseases	1,762	3.3	796	3.0	966	3.5
7	Essential Hypertension and Hypertensive Renal Disease	1,105	2.0	504	1.9	601	2.2
8	Alzheimer's Disease	1,079	2.0	313	1.2	766	2.8
9	Accidents Except Poisoning by Psychoactive Substance	1,056	2.0	688	2.6	368	1.3
10	Use of or Poisoning by Psychoactive Substance	1,051	1.9	791	3.0	260	0.9
	All Other Causes	11,829	21.9	6,008	22.6	5,821	21.2
	Total	54,120	100.0	26,605	100.0	27,515	100.0
Rank	< 1 YEAR	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Congenital Malformations, Deformations	101	19.2	43	14.7	58	24.8
1	Short Gestation and Low Birthweight	101	19.2	67	22.9	34	14.5
3	External Causes	61	11.6	38	13.0	23	9.8
4	Cardiovascular Disorders Originating in the Perinatal Period	58	11.0	27	9.2	31	13.2
5	Respiratory Distress of Newborn	20	3.8	8	2.7	12	5.1
6	Necrotizing Enterocolitis Of Newborn	17	3.2	11	3.8	6	2.6
7	Diseases of Heart	15	2.7	7	2.4	8	3.0
8	Bacterial Sepsis of Newborn	10	1.9	5	1.7	5	2.1
9	Newborn Affected by Complications of Placenta	9	1.7	6	2.1	3	1.3
10	Pulmonary Hemorrhage in Perinatal Period	8	1.5	4	1.4	4	1.7
	All Other Causes	126	24.0	76	26.0	50	21.4
	Total	526	100.0	292	100.0	234	100.0
Rank	1 - 14 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	40	21.7	22	23.4	18	20.0
2	Congenital Malformations, Deformations	27	14.7	13	13.8	14	15.6
3	Accidents Except Poisoning by Psychoactive Substance	23	12.5	10	10.6	13	14.4
4	Chronic Lower Respiratory Diseases	9	4.9	6	6.4	3	3.3
5	Diseases of Heart	7	3.8	3	3.2	4	4.4
6	Benign and Uncertain Neoplasms	6	3.3	2	2.1	4	4.4
6	Assault (Homicide)	6	3.3	4	4.3	2	2.2
	All Other Causes	66	35.9	34	36.2	32	35.6
	Total	184	100.0	94	100.0	90	100.0
Rank	15 - 24 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Assault (Homicide)	108	20.0	101	26.4	7	4.5
2	Use of or Poisoning by Psychoactive Substance	72	13.3	52	13.6	20	12.7
3	Intentional Self-harm (Suicide)	67	12.4	46	12.0	21	13.4
4	Accidents Except Poisoning by Psychoactive Substance	59	10.9	47	12.3	12	7.6
5	Malignant Neoplasms	57	10.6	35	9.1	22	14.0
6	Diseases of Heart	15	2.8	6	1.6	9	5.7
7	Influenza and Pneumonia	12	2.2	6	1.6	6	3.8
8	Congenital Malformations, Deformations	11	2.0	7	1.8	4	2.5
9	Human Immunodeficiency Virus (HIV) Disease	8	1.5	5	1.3	3	1.9
10	Cerebrovascular Diseases	7	1.3	6	1.6	1	0.6
10	Chronic Lower Respiratory Diseases	7	1.3	3	0.8	4	2.5
	All Other Causes	117	21.7	69	18.0	48	30.6
	Total	540	100.0	383	100.0	157	100.0
Rank	25 - 34 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Use of or Poisoning by Psychoactive Substance	203	20.1	160	23.5	43	13.1
2	Malignant Neoplasms	135	13.4	62	9.1	73	22.3
3	Assault (Homicide)	111	11.0	97	14.2	14	4.3
4	Intentional Self-harm (Suicide)	94	9.3	69	10.1	25	7.6
5	Accidents Except Poisoning by Psychoactive Substance	81	8.0	61	8.9	20	6.1
6	Diseases of Heart	75	7.4	49	7.2	26	7.9
7	Human Immunodeficiency Virus (HIV) Disease	28	2.8	21	3.1	7	2.1
7	Diabetes Mellitus	28	2.8	16	2.3	12	3.7
9	Mental Disorder Due to Use of Alcohol	14	1.4	8	1.2	6	1.8
9	Pregnancy, Childbirth, and the Puerperium	14	1.4	-	-	14	4.3
	All Other Causes	227	22.5	139	20.4	88	26.8
	Total	1,010	100.0	682	100.0	328	100.0

Continued on next page.

Table M7. Leading Causes of Death by Age Group and Sex, New York City, 2015 (Continued)

Rank	35 - 44 YEARS	All		Male		Female	
		Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	353	23.1	143	15.3	210	35.3
2	Diseases of Heart	229	15.0	167	17.9	62	10.4
3	Use of or Poisoning by Psychoactive Substance	194	12.7	147	15.7	47	7.9
4	Intentional Self-harm (Suicide)	79	5.2	47	5.0	32	5.4
4	Accidents Except Poisoning by Psychoactive Substance	79	5.2	58	6.2	21	3.5
6	Assault (Homicide)	66	4.3	57	6.1	9	1.5
7	Human Immunodeficiency Virus (HIV) Disease	64	4.2	32	3.4	32	5.4
8	Chronic Liver Disease and Cirrhosis	55	3.6	39	4.2	16	2.7
9	Diabetes Mellitus	43	2.8	30	3.2	13	2.2
10	Cerebrovascular Diseases	33	2.2	21	2.2	12	2.0
	All Other Causes	334	21.8	193	20.7	141	23.7
	Total	1,529	100.0	934	100.0	595	100.0
Rank	45 - 54 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	1,091	28.3	501	21.5	590	38.7
2	Diseases of Heart	827	21.5	579	24.9	248	16.3
3	Use of or Poisoning by Psychoactive Substance	313	8.1	228	9.8	85	5.6
4	Human Immunodeficiency Virus (HIV) Disease	143	3.7	97	4.2	46	3.0
5	Diabetes Mellitus	139	3.6	83	3.6	56	3.7
6	Intentional Self-harm (Suicide)	119	3.1	73	3.1	46	3.0
7	Accidents Except Poisoning by Psychoactive Substance	116	3.0	93	4.0	23	1.5
8	Chronic Liver Disease and Cirrhosis	115	3.0	87	3.7	28	1.8
9	Cerebrovascular Diseases	114	3.0	63	2.7	51	3.3
10	Influenza and Pneumonia	83	2.2	46	2.0	37	2.4
	All Other Causes	791	20.5	475	20.4	316	20.7
	Total	3,851	100.0	2,325	100.0	1,526	100.0
Rank	55 - 64 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	2,506	34.9	1,318	30.2	1,188	42.2
2	Diseases of Heart	1,778	24.7	1,215	27.8	563	20.0
3	Diabetes Mellitus	309	4.3	192	4.4	117	4.2
4	Use of or Poisoning by Psychoactive Substance	214	3.0	160	3.7	54	1.9
5	Cerebrovascular Diseases	208	2.9	128	2.9	80	2.8
6	Chronic Liver Disease and Cirrhosis	202	2.8	139	3.2	63	2.2
6	Chronic Lower Respiratory Diseases	202	2.8	99	2.3	103	3.7
8	Influenza and Pneumonia	179	2.5	112	2.6	67	2.4
9	Accidents Except Poisoning by Psychoactive Substance	170	2.4	127	2.9	43	1.5
10	Human Immunodeficiency Virus (HIV) Disease	141	2.0	103	2.4	38	1.3
	All Other Causes	1,278	17.8	777	17.8	501	17.8
	Total	7,187	100.0	4,370	100.0	2,817	100.0
Rank	65 - 74 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	3,439	35.7	1,747	32.7	1,692	39.4
2	Diseases of Heart	2,709	28.1	1,672	31.3	1,037	24.1
3	Diabetes Mellitus	419	4.3	224	4.2	195	4.5
4	Chronic Lower Respiratory Diseases	344	3.6	165	3.1	179	4.2
5	Influenza and Pneumonia	303	3.1	172	3.2	131	3.0
6	Cerebrovascular Diseases	281	2.9	155	2.9	126	2.9
7	Essential Hypertension and Hypertensive Renal Disease	172	1.8	89	1.7	83	1.9
8	Chronic Liver Disease and Cirrhosis	144	1.5	101	1.9	43	1.0
9	Accidents Except Poisoning by Psychoactive Substance	143	1.5	92	1.7	51	1.2
10	Viral Hepatitis	88	0.9	58	1.1	30	0.7
	All Other Causes	1,603	16.6	871	16.3	732	17.0
	Total	9,645	100.0	5,346	100.0	4,299	100.0
Rank	75 - 84 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Diseases of Heart	4,092	33.5	2,148	35.1	1,944	31.9
2	Malignant Neoplasms	3,295	27.0	1,629	26.6	1,666	27.3
3	Influenza and Pneumonia	553	4.5	309	5.0	244	4.0
4	Chronic Lower Respiratory Diseases	530	4.3	270	4.4	260	4.3
5	Cerebrovascular Disease	487	4.0	221	3.6	266	4.4
5	Diabetes Mellitus	487	4.0	226	3.7	261	4.3
7	Essential Hypertension and Hypertensive Renal Disease	299	2.4	138	2.3	161	2.6
8	Alzheimer's Disease	246	2.0	92	1.5	154	2.5
9	Accidents Except Poisoning by Psychoactive Substance	164	1.3	92	1.5	72	1.2
10	Parkinsons Disease	141	1.2	89	1.5	52	0.9
	All Other Causes	1,926	15.8	880	14.4	1,046	17.1
	Total	12,220	100.0	6,126	100.0	6,094	100.0
Rank	≥85 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Diseases of Heart	7,378	42.3	2,423	40.0	4,955	43.6
2	Malignant Neoplasms	2,399	13.8	1,042	17.2	1,357	11.9
3	Influenza and Pneumonia	939	5.4	336	5.6	603	5.3
4	Alzheimer's Disease	779	4.5	198	3.3	581	5.1
5	Cerebrovascular Diseases	698	4.0	204	3.4	494	4.3
6	Chronic Lower Respiratory Diseases	570	3.3	207	3.4	363	3.2
7	Essential Hypertension and Hypertensive Renal Disease	447	2.6	155	2.6	292	2.6
8	Diabetes Mellitus	422	2.4	155	2.6	267	2.3
9	Accidents Except Poisoning by Psychoactive Substance	212	1.2	102	1.7	110	1.0
10	Septicemia	179	1.0	58	1.0	121	1.1
	All Other Causes	3,405	19.5	1,173	19.4	2,232	19.6
	Total	17,428	100.0	6,053	100.0	11,375	100.0

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Table M8. Leading Causes of Death by Racial/Ethnic Group* and Sex, New York City, 2015

Rank	Puerto Rican	All		Male		Female	
		Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Diseases of Heart	1,500	27.9	741	26.8	759	29.2
2	Malignant Neoplasms	1,124	20.9	572	20.7	552	21.2
3	Diabetes Mellitus	244	4.5	141	5.1	103	4.0
4	Influenza and Pneumonia	234	4.4	120	4.3	114	4.4
5	Chronic Lower Respiratory Diseases	219	4.1	105	3.8	114	4.4
6	Use of or Poisoning by Psychoactive Substance	218	4.1	161	5.8	57	2.2
7	Cerebrovascular Diseases	190	3.5	88	3.2	102	3.9
8	Alzheimer's Disease	128	2.4	32	1.2	96	3.7
9	Chronic Liver Disease and Cirrhosis	115	2.1	88	3.2	27	1.0
10	Human Immunodeficiency Virus (HIV) Disease	102	1.9	68	2.5	34	1.3
	All Other Causes	1,293	24.1	653	23.6	640	24.6
	Total	5,367	100.0	2,769	100.0	2,598	100.0
Rank	Other Hispanic	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Diseases of Heart	1,271	26.4	669	27.0	602	25.7
2	Malignant Neoplasms	1,246	25.9	604	24.4	642	27.4
3	Cerebrovascular Diseases	185	3.8	90	3.6	95	4.1
4	Diabetes Mellitus	177	3.7	84	3.4	93	4.0
5	Influenza and Pneumonia	170	3.5	76	3.1	94	4.0
6	Accidents Except Poisoning by Psychoactive Substance	156	3.2	111	4.5	45	1.9
7	Use of or Poisoning by Psychoactive Substance	121	2.5	100	4.0	21	0.9
8	Chronic Lower Respiratory Diseases	118	2.5	49	2.0	69	2.9
9	Alzheimer's Disease	115	2.4	35	1.4	80	3.4
10	Chronic Liver Disease and Cirrhosis	108	2.2	78	3.2	30	1.3
10	Essential Hypertension and Hypertensive Renal Disease	108	2.2	57	2.3	51	2.2
	All Other Causes	2,286	47.5	1,125	45.5	1,161	49.6
	Total	4,815	100.0	2,474	100.0	2,341	100.0
Rank	Asian and Pacific Islander	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	1,186	29.1	670	29.5	516	28.6
2	Diseases of Heart	1,109	27.2	611	26.9	498	27.6
3	Influenza and Pneumonia	199	4.9	108	4.7	91	5.0
4	Cerebrovascular Diseases	185	4.5	90	4.0	95	5.3
5	Diabetes Mellitus	156	3.8	85	3.7	71	3.9
6	Chronic Lower Respiratory Diseases	117	2.9	76	3.3	41	2.3
7	Accidents Except Poisoning by Psychoactive Substance	98	2.4	64	2.8	34	1.9
8	Essential Hypertension and Hypertensive Renal Disease	80	2.0	50	2.2	30	1.7
9	Alzheimer's Disease	76	1.9	26	1.1	50	2.8
10	Intentional Self-harm (Suicide)	75	1.8	39	1.7	36	2.0
	All Other Causes	797	19.5	455	20.0	342	19.0
	Total	4,078	100.0	2,274	100.0	1,804	100.0
Rank	Non-Hispanic White	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Diseases of Heart	8,509	34.6	4,015	33.9	4,494	35.3
2	Malignant Neoplasms	6,152	25.0	3,021	25.5	3,131	24.6
3	Influenza and Pneumonia	970	3.9	449	3.8	521	4.1
4	Chronic Lower Respiratory Diseases	867	3.5	364	3.1	503	4.0
5	Cerebrovascular Diseases	738	3.0	316	2.7	422	3.3
6	Alzheimer's Disease	548	2.2	170	1.4	378	3.0
7	Diabetes Mellitus	485	2.0	246	2.1	239	1.9
8	Accidents Except Poisoning by Psychoactive Substance	479	1.9	287	2.4	192	1.5
9	Use of or Poisoning by Psychoactive Substance	455	1.9	342	2.9	113	0.9
10	Essential Hypertension and Hypertensive Renal Disease	396	1.6	170	1.4	226	1.8
	All Other Causes	4,969	20.2	2,468	20.8	2,501	19.7
	Total	24,568	100.0	11,848	100.0	12,720	100.0
Rank	Non-Hispanic Black	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Diseases of Heart	4,377	30.9	2,033	30.7	2,344	31.0
2	Malignant Neoplasms	3,397	24.0	1,525	23.0	1,872	24.8
3	Diabetes Mellitus	737	5.2	345	5.2	392	5.2
4	Cerebrovascular Diseases	513	3.6	206	3.1	307	4.1
5	Influenza and Pneumonia	486	3.4	225	3.4	261	3.5
6	Chronic Lower Respiratory Diseases	400	2.8	177	2.7	223	3.0
7	Essential Hypertension and Hypertensive Renal Disease	399	2.8	167	2.5	232	3.1
8	Human Immunodeficiency Virus (HIV) Disease	277	2.0	185	2.8	92	1.2
9	Assault (Homicide)	224	1.6	196	3.0	28	0.4
10	Accidents Except Poisoning by Psychoactive Substance	221	1.6	149	2.2	72	1.0
	All Other Causes	3,147	22.2	1,422	21.4	1,725	22.9
	Total	14,178	100.0	6,630	100.0	7,548	100.0

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

Table M9. Leading Causes of Premature Death (Age < 65 Years), Overall and by Sex, New York City, 2015

Rank	Cause of Death	All		Male		Female	
		Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	4,185	28.2	2,083	22.9	2,102	36.6
	Trachea, bronchus, and lung	739	5.0	415	4.6	324	5.6
	Breast	473	3.2	7	0.1	466	8.1
	Colon, rectum, and anus	415	2.8	228	2.5	187	3.3
	Liver and intrahepatic bile ducts	272	1.8	203	2.2	69	1.2
	Pancreas	253	1.7	142	1.6	111	1.9
2	Diseases of Heart	2,946	19.9	2,026	22.3	920	16.0
3	Use of or Poisoning by Psychoactive Substance	997	6.7	748	8.2	249	4.3
4	Accidents Except Poisoning by Psychoactive Substance	537	3.6	402	4.4	135	2.3
5	Diabetes Mellitus	524	3.5	324	3.6	200	3.5
6	Intentional Self-harm (Suicide)	445	3.0	293	3.2	152	2.6
7	Human Immunodeficiency Virus (HIV) Disease	384	2.6	258	2.8	126	2.2
8	Cerebrovascular Diseases	381	2.6	228	2.5	153	2.7
9	Chronic Liver Disease and Cirrhosis	377	2.5	269	3.0	108	1.9
10	Assault (Homicide)	359	2.4	315	3.5	44	0.8
	All Other Causes	3,692	24.9	2,134	23.5	1,558	27.1
	Total	14,827	100.0	9,080	100.0	5,747	100.0

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

Table M10. Leading Causes of Premature Death (Age <65 Years) by Racial/Ethnic Group* and Sex, New York City, 2015

Rank	Puerto Rican	All		Male		Female	
		Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	398	21.4	195	16.8	203	29.2
2	Diseases of Heart	317	17.1	213	18.3	104	14.9
3	Use of or Poisoning by Psychoactive Substance	208	11.2	152	13.1	56	8.0
4	Diabetes Mellitus	95	5.1	67	5.8	28	4.0
5	Human Immunodeficiency Virus (HIV) Disease	86	4.6	55	4.7	31	4.5
6	Chronic Liver Disease and Cirrhosis	69	3.7	52	4.5	17	2.4
7	Chronic Lower Respiratory Diseases	66	3.6	33	2.8	33	4.7
8	Viral Hepatitis	65	3.5	47	4.0	18	2.6
9	Accidents Except Poisoning by Psychoactive Substance	54	2.9	43	3.7	11	1.6
10	Influenza and Pneumonia	52	2.8	32	2.8	20	2.9
	All Other Causes	447	24.1	272	23.4	175	25.1
	Total	1,857	100.0	1,161	100.0	696	100.0
Rank	Other Hispanic	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	475	28.6	229	21.6	246	40.9
2	Diseases of Heart	274	16.5	197	18.6	77	12.8
3	Use of or Poisoning by Psychoactive Substance	116	7.0	97	9.2	19	3.2
4	Accidents Except Poisoning by Psychoactive Substance	106	6.4	89	8.4	17	2.8
5	Chronic Liver Disease and Cirrhosis	61	3.7	49	4.6	12	2.0
6	Cerebrovascular Diseases	53	3.2	30	2.8	23	3.8
6	Assault (Homicide)	53	3.2	45	4.2	8	1.3
8	Diabetes Mellitus	51	3.1	34	3.2	17	2.8
9	Intentional Self-harm (Suicide)	46	2.8	34	3.2	12	2.0
10	Congenital Malformations, Deformations	34	2.0	15	1.4	19	3.2
	All Other Causes	392	23.6	240	22.7	152	25.2
	Total	1,661	100.0	1,059	100.0	602	100.0
Rank	Asian and Pacific Islander	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	433	39.2	241	34.1	192	48.0
2	Diseases of Heart	200	18.1	154	21.8	46	11.5
3	Intentional Self-harm (Suicide)	60	5.4	32	4.5	28	7.0
4	Cerebrovascular Diseases	42	3.8	29	4.1	13	3.3
5	Accidents Except Poisoning by Psychoactive Substance	38	3.4	24	3.4	14	3.5
6	Diabetes Mellitus	30	2.7	23	3.3	7	1.8
7	Chronic Liver Disease and Cirrhosis	22	2.0	19	2.7	3	0.8
8	Influenza and Pneumonia	21	1.9	12	1.7	9	2.3
9	Congenital Malformations, Deformations	20	1.8	13	1.8	7	1.8
9	Use of or Poisoning by Psychoactive Substance	20	1.8	19	2.7	1	0.3
	All Other Causes	220	19.9	140	19.8	80	20.0
	Total	1,106	100.0	706	100.0	400	100.0
Rank	Non-Hispanic White	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	1,505	32.4	785	26.6	720	42.5
2	Diseases of Heart	886	19.1	659	22.3	227	13.4
3	Use of or Poisoning by Psychoactive Substance	436	9.4	328	11.1	108	6.4
4	Intentional Self-harm (Suicide)	208	4.5	134	4.5	74	4.4
5	Accidents Except Poisoning by Psychoactive Substance	175	3.8	130	4.4	45	2.7
6	Chronic Liver Disease and Cirrhosis	135	2.9	101	3.4	34	2.0
7	Diabetes Mellitus	92	2.0	58	2.0	34	2.0
8	Influenza and Pneumonia	90	1.9	55	1.9	35	2.1
9	Chronic Lower Respiratory Diseases	79	1.7	42	1.4	37	2.2
10	Mental Disorder Due to Use of Alcohol	78	1.7	60	2.0	18	1.1
	All Other Causes	961	20.7	598	20.3	363	21.4
	Total	4,645	100.0	2,950	100.0	1,695	100.0
Rank	Non-Hispanic Black	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	1,291	25.1	593	20.2	698	31.6
2	Diseases of Heart	1,181	22.9	739	25.1	442	20.0
3	Diabetes Mellitus	237	4.6	129	4.4	108	4.9
4	Human Immunodeficiency Virus (HIV) Disease	218	4.2	145	4.9	73	3.3
5	Assault (Homicide)	217	4.2	191	6.5	26	1.2
6	Use of or Poisoning by Psychoactive Substance	199	3.9	139	4.7	60	2.7
7	Cerebrovascular Diseases	161	3.1	88	3.0	73	3.3
8	Accidents Except Poisoning by Psychoactive Substance	155	3.0	110	3.7	45	2.0
9	Chronic Lower Respiratory Diseases	141	2.7	65	2.2	76	3.4
10	Influenza and Pneumonia	106	2.1	60	2.0	46	2.1
	All Other Causes	1,241	24.1	682	23.2	559	25.3
	Total	5,147	100.0	2,941	100.0	2,206	100.0

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

Table M11. Deaths and Death Rates per 100,000 Population from Selected Underlying Causes, Overall and by Ethnic Group* and Sex, New York City, 2015

Cause of Death	Total			Ethnic Group*												Sex					
				Hispanic			Non-Hispanic White			Non-Hispanic Black			Asian and Pacific Islander			Other or Unknown	Male			Female		
	No.	Crude Rate	Age-Adj. Rate	No.	Crude Rate	Age-Adj. Rate	No.	Crude Rate	Age-Adj. Rate	No.	Crude Rate	Age-Adj. Rate	No.	Crude Rate	Age-Adj. Rate	No.	No.	Crude Rate	Age-Adj. Rate	No.	Crude Rate	Age-Adj. Rate
All Causes†	54,120	6.3	5.8	10,182	4.1	5.0	24,568	8.9	6.1	14,178	7.4	6.9	4,078	3.3	3.6	1,114	26,605	6.5	7.0	27,515	6.2	4.9
Natural Causes	50,977	596.2	547.0	9,403	378.4	466.7	23,250	842.8	571.8	13,407	702.7	655.1	3,859	312.0	342.9	1,058	24,373	597.1	647.7	26,604	595.3	471.2
Human Immunodeficiency Virus (HIV) Disease	483	5.6	5.2	131	5.3	5.5	50	1.8	1.6	277	14.5	13.2	5	0.4	0.3	20	332	8.1	7.8	151	3.4	3.1
Malignant Neoplasms	13,318	155.8	145.2	2,370	95.4	114.0	6,152	223.0	165.0	3,397	178.0	164.3	1,186	95.9	99.0	213	6,501	159.3	170.1	6,817	152.6	128.7
Malignant neoplasm of stomach	434	5.1	4.7	93	3.7	4.5	147	5.3	3.9	103	5.4	5.0	81	6.5	6.7	10	236	5.8	6.1	198	4.4	3.7
Malignant neoplasms of colon, rectum, and anus	1,275	14.9	13.7	235	9.5	11.2	576	20.9	14.9	311	16.3	14.9	126	10.2	10.5	27	632	15.5	16.5	643	14.4	11.8
Malignant neoplasm of pancreas	992	11.6	10.8	159	6.4	7.7	468	17.0	12.2	265	13.9	12.9	85	6.9	7.4	15	455	11.1	11.9	537	12.0	10.0
Malignant neoplasms of trachea, bronchus, and lung (male)	1,453	35.6	38.1	209	17.3	25.3	699	52.0	43.0	332	38.5	41.5	193	32.7	35.5	20	1,453	35.6	38.1	-	-	-
Malignant neoplasms of trachea, bronchus, and lung (female)	1,271	28.4	23.9	164	12.8	13.5	667	47.2	31.3	331	31.7	26.1	90	13.9	13.8	19	-	-	-	1,271	28.4	23.9
Malignant neoplasm of breast (female)	1,049	23.5	20.0	192	15.0	15.4	444	31.4	22.3	330	31.6	26.4	66	10.2	9.6	17	-	-	-	1,049	23.5	20.0
Malignant neoplasm of cervix uteri	131	2.9	2.6	24	1.9	1.8	42	3.0	2.4	50	4.8	4.1	14	2.2	2.0	1	-	-	-	131	2.9	2.6
Malignant neoplasm of ovary	366	8.2	7.1	49	3.8	4.0	191	13.5	9.9	93	8.9	7.3	27	4.2	3.8	6	-	-	-	366	8.2	7.1
Malignant neoplasm of prostate	707	17.3	19.5	135	11.2	18.3	277	20.6	16.3	258	29.9	36.9	26	4.4	5.5	11	707	17.3	19.5	-	-	-
Leukemia	586	6.9	6.5	96	3.9	4.5	330	12.0	9.0	107	5.6	5.3	46	3.7	3.9	7	322	7.9	8.5	264	5.9	5.0
Diabetes Mellitus	1,852	21.7	20.1	421	16.9	20.5	485	17.6	12.5	737	38.6	35.9	156	12.6	13.8	53	929	22.8	24.2	923	20.7	16.9
Parkinson's Disease	391	4.6	4.2	64	2.6	3.4	234	8.5	5.4	52	2.7	2.6	39	3.2	3.7	2	234	5.7	6.6	157	3.5	2.7
Alzheimer's Disease	1,079	12.6	11.1	243	9.8	13.4	548	19.9	11.2	193	10.1	9.7	76	6.1	7.7	19	313	7.7	9.1	766	17.1	12.1
Diseases of Heart	17,125	200.3	181.4	2,771	111.5	142.1	8,509	308.4	197.5	4,377	229.4	213.8	1,109	89.7	101.0	359	8,269	202.6	222.5	8,856	198.2	149.3
Hypertensive heart disease	2,085	24.4	22.2	398	16.0	19.8	757	27.4	18.0	780	40.9	37.5	112	9.1	10.0	38	969	23.7	25.2	1,116	25.0	19.4
Chronic ischemic heart diseases	10,981	128.4	116.2	1,709	68.8	88.4	5,719	207.3	132.0	2,561	134.2	125.6	749	60.6	68.7	243	5,408	132.5	146.5	5,573	124.7	93.1
Acute myocardial infarction	2,040	23.9	21.6	320	12.9	16.2	1,068	38.7	24.8	481	25.2	23.4	131	10.6	11.4	40	962	23.6	25.7	1,078	24.1	18.2
Essential (Primary) Hypertension and Hypertensive Renal Disease	1,105	12.9	11.7	203	8.2	10.3	396	14.4	9.1	399	20.9	19.6	80	6.5	7.3	27	504	12.3	13.6	601	13.4	10.4
Cerebrovascular Diseases	1,847	21.6	19.7	375	15.1	18.9	738	26.8	17.1	513	26.9	24.9	185	15.0	16.4	36	808	19.8	21.5	1,039	23.3	18.0
Influenza and Pneumonia	2,096	24.5	22.2	404	16.3	20.9	970	35.2	22.5	486	25.5	23.9	199	16.1	18.6	37	998	24.5	27.3	1,098	24.6	18.6
Chronic Lower Respiratory Diseases	1,762	20.6	19.0	337	13.6	17.0	867	31.4	21.2	400	21.0	19.6	117	9.5	10.9	41	796	19.5	21.6	966	21.6	17.3
Asthma	167	2.0	1.8	52	2.1	2.3	22	0.8	0.6	73	3.8	3.7	13	1.1	1.1	7	68	1.7	1.6	99	2.2	1.9
Chronic Liver Disease and Cirrhosis	610	7.1	6.6	223	9.0	10.0	218	7.9	6.6	108	5.7	5.1	36	2.9	2.8	25	423	10.4	10.2	187	4.2	3.7
External Causes	3,143	36.8	35.1	779	31.3	32.2	1,318	47.8	41.6	771	40.4	39.2	219	17.7	18.0	56	2,232	54.7	54.0	911	20.4	18.5
Motor Vehicle Accidents	258	3.0	2.9	65	2.6	2.7	96	3.5	2.9	68	3.6	3.5	29	2.3	2.4	-	164	4.0	4.0	94	2.1	1.9
Falls	466	5.5	5.0	94	3.8	4.5	246	8.9	6.1	69	3.6	3.4	49	4.0	4.5	8	289	7.1	7.6	177	4.0	3.1
Intentional Self-harm (Suicide)	552	6.5	6.2	97	3.9	4.0	277	10.0	8.9	94	4.9	4.8	75	6.1	5.9	9	364	8.9	8.7	188	4.2	4.0
Assault (Homicide)	379	4.4	4.5	105	4.2	4.1	30	1.1	1.0	224	11.7	12.2	11	0.9	0.9	9	328	8.0	8.0	51	1.1	1.1
Events of Undetermined Intent	265	3.1	3.1	52	2.1	2.1	127	4.6	4.4	62	3.2	3.2	16	1.3	1.3	8	184	4.5	4.5	81	1.8	1.8
Mental and Behavioral Disorders Due to Use of or Accidental Poisoning by Psychoactive Substances, Excluding Alcohol	1,051	12.3	11.5	339	13.6	13.5	455	16.5	15.6	218	11.4	10.1	20	1.6	1.5	19	791	19.4	18.2	260	5.8	5.5
Accidents Except Drug Poisoning	1,056	12.4	11.6	243	9.8	10.7	479	17.4	13.3	221	11.6	11.0	98	7.9	8.5	15	688	16.9	17.4	368	8.2	7.0

* 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 2015 US Census Bureau's estimates.

Table M12. Deaths and Death Rates* per 100,000 Population from Selected Underlying Causes by Community District of Residence, New York City, 2015

		All Causes (Rate per 1,000)			Heart Diseases		Malignant Neoplasms		HIV Disease		Influenza and Pneumonia		Cerebrovascular Diseases		Chronic Lower Respiratory Diseases		Chronic Liver Disease & Cirrhosis		Diabetes Mellitus		Mental Disorders due to Substance Use & Accidental Poisoning		Accidents Except Drug Poisoning		Intentional Self-harm (Suicide)		Assault† (Homicide)		Events of Undetermined Intent	
Community District of Residence	Population 2015 Estimates	No.	Crude Rate	Age-Adjusted Rate	No.	Crude Rate	No.	Crude Rate	No.	Crude Rate	No.	Crude Rate	No.	Crude Rate	No.	Crude Rate	No.	Crude Rate	No.	Crude Rate	No.	Crude Rate	No.	Crude Rate	No.	Crude Rate	No.	Crude Rate	No.	Crude Rate
ALL DEATH EVENTS	8,550,405	54,120	6.3	5.8	17,125	200.3	13,318	155.8	483	5.6	2,096	24.5	1,847	21.6	1,762	20.6	610	7.1	1,852	21.7	1,051	12.3	1,056	12.4	552	6.5	379	4.4	265	3.1
MANHATTAN‡	1,635,699	9,589	5.9	4.9	2,691	164.5	2,472	151.1	94	5.7	297	18.2	356	21.8	340	20.8	85	5.2	279	17.1	181	11.1	141	8.6	119	7.3	37	2.3	45	2.8
Battery Park, Tribeca (01)	63,507	208	3.3	4.7	47	74.0	67	105.5	-	-	3	4.7	11	17.3	8	12.6	2	3.1	4	6.3	5	7.9	3	4.7	5	7.9	-	-	1	1.6
Greenwich Village, SOHO (02)	91,528	378	4.1	3.6	98	107.1	120	131.1	5	5.5	11	12.0	13	14.2	12	13.1	1	1.1	7	7.6	6	6.6	5	5.5	3	3.3	-	-	-	-
Lower East Side (03)	170,961	1,191	7.0	5.3	351	204.7	285	166.7	14	8.2	46	26.9	38	22.2	43	25.2	6	3.5	40	23.4	30	17.5	17	9.9	13	7.6	3	1.8	5	2.9
Chelsea, Clinton (04)	122,266	564	4.6	4.5	170	139.0	151	123.5	4	3.3	16	13.1	21	17.2	27	22.1	10	8.2	20	16.4	14	11.5	15	12.3	16	13.1	1	0.8	2	1.6
Midtown Business District (05)	53,147	232	4.4	4.3	63	118.5	76	143.0	1	1.9	11	20.7	8	15.1	10	18.8	3	5.6	5	9.4	5	9.4	1	1.9	6	11.3	1	1.9	1	1.9
Murray Hill (06)	144,461	814	5.6	4.1	221	153.0	236	163.4	1	0.7	22	15.2	28	19.4	32	22.2	5	3.5	15	10.4	7	4.8	19	13.2	12	8.3	4	2.8	7	4.8
Upper West Side (07)	214,522	1,354	6.3	4.4	380	177.1	366	170.6	6	2.8	33	15.4	56	26.1	44	20.5	11	5.1	27	12.6	16	7.5	19	8.9	22	10.3	1	0.5	6	2.8
Upper East Side (08)	225,436	1,261	5.6	3.8	364	161.5	364	161.5	3	1.3	36	16.0	40	17.7	42	18.6	8	3.5	18	8.0	11	4.9	12	5.3	17	7.5	1	0.4	4	1.8
Manhattanville (09)	111,629	638	5.7	5.8	175	156.8	135	120.9	7	6.3	22	19.7	31	27.8	27	24.2	4	3.6	24	21.5	16	14.3	10	9.0	5	4.5	3	2.7	2	1.8
Central Harlem (10)	117,307	915	7.8	8.5	248	211.4	224	191.0	22	18.8	22	18.8	45	38.4	37	31.5	11	9.4	43	36.7	21	17.9	9	7.7	6	5.1	8	6.8	5	4.3
East Harlem (11)	124,829	1,014	8.1	7.7	280	224.3	217	173.8	23	18.4	30	24.0	34	27.2	28	22.4	16	12.8	41	32.8	23	18.4	19	15.2	5	4.0	10	8.0	6	4.8
Washington Heights (12)	196,080	1,020	5.2	4.8	294	149.9	231	117.8	8	4.1	45	22.9	31	15.8	30	15.3	8	4.1	35	17.8	27	13.8	12	6.1	9	4.6	5	2.5	6	3.1
BRONX‡	1,452,819	9,005	6.2	6.4	2,599	178.9	1,986	136.7	164	11.3	377	25.9	325	22.4	358	24.6	112	7.7	354	24.4	285	19.6	151	10.4	84	5.8	90	6.2	35	2.4
Mott Haven (01)	97,132	590	6.1	7.2	150	154.4	134	138.0	17	17.5	25	25.7	19	19.6	18	18.5	10	10.3	19	19.6	27	27.8	13	13.4	8	8.2	8	8.2	4	4.1
Hunts Point (02)	55,386	324	5.8	7.2	78	140.8	76	137.2	15	27.1	15	27.1	11	19.9	10	18.1	7	12.6	9	16.2	14	25.3	9	16.2	2	3.6	4	7.2	1	1.8
Morrisania (03)	90,602	519	5.7	7.3	131	144.6	108	119.2	18	19.9	24	26.5	19	21.0	16	17.7	7	7.7	27	29.8	24	26.5	8	8.8	6	6.6	11	12.1	6	6.6
Concourse, Highbridge (04)	154,033	832	5.4	6.5	226	146.7	185	120.1	22	14.3	37	24.0	22	14.3	34	22.1	14	9.1	37	24.0	23	14.9	17	11.0	7	4.5	15	9.7	3	1.9
University/Morris Heights (05)	134,584	594	4.4	6.1	147	109.2	128	95.1	16	11.9	23	17.1	13	9.7	26	19.3	7	5.2	26	19.3	35	26.0	16	11.9	10	7.4	15	11.1	5	3.7
East Tremont (06)	86,782	441	5.1	6.6	127	146.3	81	93.3	9	10.4	16	18.4	16	18.4	20	23.0	6	6.9	25	28.8	20	23.0	9	10.4	10	11.5	3	3.5	1	1.2
Fordham (07)	147,273	757	5.1	6.2	189	128.3	170	115.4	10	6.8	27	18.3	34	23.1	43	29.2	11	7.5	31	21.0	28	19.0	13	8.8	6	4.1	6	4.1	3	2.0
Riverdale (08)	104,876	1,078	10.3	6.5	424	404.3	192	183.1	5	4.8	45	42.9	36	34.3	41	39.1	13	12.4	31	29.6	10	9.5	14	13.3	8	7.6	1	1.0	5	4.8
Unionport, Soundview (09)	182,374	1,032	5.7	6.0	294	161.2	258	141.5	20	11.0	36	19.7	46	25.2	39	21.4	12	6.6	43	23.6	33	18.1	10	5.5	9	4.9	7	3.8	6	3.3
Throgs Neck (10)	123,892	1,066	8.6	6.0	314	253.4	245	197.8	5	4.0	45	36.3	55	44.4	45	36.3	12	9.7	34	27.4	21	17.0	17	13.7	5	4.0	4	3.2	-	-
Pelham Parkway (11)	117,687	890	7.6	6.5	277	235.4	189	160.6	7	5.9	48	40.8	19	16.1	36	30.6	5	4.2	35	29.7	25	21.2	11	9.3	5	4.2	6	5.1	-	-
Williamsbridge (12)	156,294	882	5.6	5.4	242	154.8	220	140.8	20	12.8	36	23.0	35	22.4	30	19.2	8	5.1	37	23.7	25	16.0	14	9.0	8	5.1	10	6.4	1	0.6
BROOKLYN	2,636,735	15,230	5.8	5.6	5,179	196.4	3,591	136.2	128	4.9	680	25.8	466	17.7	446	16.9	160	6.1	605	22.9	243	9.2	296	11.2	131	5.0	143	5.4	90	3.4
Williamsburg, Greenpoint (01)	199,473	809	4.1	5.3	273	136.9	177	88.7	7	3.5	34	17.0	19	9.5	29	14.5	12	6.0	34	17.0	15	7.5	16	8.0	12	6.0	8	4.0	10	5.0
Fort Greene, Brooklyn Heights (02)	116,958	638	5.5	5.7	211	180.4	141	120.6	3	2.6	38	32.5	23	19.7	23	19.7	8	6.8	22	18.8	10	8.6	10	8.6	9	7.7	5	4.3	2	1.7
Bedford Stuyvesant (03)	153,553	909	5.9	6.8	251	163.5	191	124.4	24	15.6	43	28.0	29	18.9	29	18.9	8	5.2	64	41.7	17	11.1	20	13.0	7	4.6	15	9.8	4	2.6
Bushwick (04)	113,765	436	3.8	5.2	113	99.3	117	102.8	6	5.3	17	14.9	16	14.1	12	10.5	6	5.3	25	22.0	12	10.5	9	7.9	1	0.9	9	7.9	5	4.4
East New York (05)	183,111	1,121	6.1	6.7	355	193.9	265	144.7	17	9.3	52	28.4	23	12.6	36	19.7	18	9.8	67	36.6	18	9.8	24	13.1	6	3.3	20	10.9	6	3.3
Park Slope (06)	109,158	458	4.2	5.0	133	121.8	137	125.5	1	0.9	18	16.5	14	12.8	18	16.5	5	4.6	12	11.0	9	8.2	9	8.2	6	5.5	2	1.8	1	0.9
Sunset Park (07)	133,131	503	3.8	5.0	141	105.9	125	93.9	3	2.3	26	19.5	18	13.5	21	15.8	12	9.0	12	9.0	12	9.0	15	11.3	10	7.5	4	3.0	2	1.5
Crown Heights North (08)	97,589	578	5.9	6.2	177	181.4	159	162.9	10	10.2	18	18.4	19	19.5	9	9.2	4	4.1	41	42.0	16	16.4	15	15.4	6	6.1	12	12.3	3	3.1
Crown Heights South (09)	99,066	607	6.1	5.7	179	180.7	171	172.6	7	7.1	20	20.2	18	18.2	9	9.1	4	4.0	37	37.3	8	8.1	15	15.1	3	3.0	3	3.0	5	5.0
Bay Ridge (10)	141,804	822	5.8	4.8	303	213.7	189	133.3	-	-	46	32.4	25	17.6	37	26.1	10	7.1	11	7.8	13	9.2	18	12.7	9	6.3	-	-	2	1.4
Bensonhurst (11)	204,179	1,243	6.1	4.9	463	226.8	297	145.5	4	2.0	52	25.5	40	19.6	36	17.6	8	3.9	35	17.1	15	7.3	30	14.7	8	3.9	2	1.0	7	3.4
Borough Park (12)	201,301	900	4.5	4.7	322	160.0	196	97.4	1	0.5	50	24.8	16	7.9	23	11.4	7	3.5	17	8.4	13	6.5	18	8.9	7	3.5	4	2.0	9	4.5
Coney Island (13)	106,597	1,216	11.4	6.7	469	440.0	260	243.9	2	1.9	53	49.7	38	35.6	33	31.0	11	10.3	26	24.4	17	15.9	11	10.3	9	8.4	5	4.7	6	5.6
Flatbush, Midwood (14)	166,072	921	5.5	5.4	334	201.1	211	127.1	12	7.2	41	24.7	32	19.3	16	9.6	10	6.0	30	18.1	9	5.4	24	14.5	11	6.6	8	4.8	4	2.4
Sheepshead Bay (15)	173,657	1,257	7.2	5.0	500	287.9	301	173.3	-	-	61	35.1	37	21.3	40	23.0	9	5.2	15	8.6	19	10.9	17	9.8	12	6.9	2	1.2	8	4.6
Brownsville (16)	85,428	653	7.6	8.5	206	241.1	148	173.2	17	19.9	25	29.3	16	18.7	13	15.2	8	9.4	49	57.4	15	17.6	11	12.9	3	3.5	15	17.6	4	4.7
East Flatbush (17)	155,539	969	6.2	5.6	328	210.9	232	149.2	10	6.4	37	23.8	45	28.9	19	12.2	11	7.1	59	37.9	8	5.1	20	12.9	4	2.6	16	10.3	4	2.6
Canarsie (18)	196,255	1,190	6.1	5.6	421	214.5	274	139.6	4	2.0	49	25.0	38	19.4	43	21.9	9	4.6	49	25.0	17	8.7	14	7.1	8	4.1	13	6.6	8	4.1

Continued on next page.

Table M12. Deaths and Death Rates* per 100,000 Population from Selected Underlying Causes by Community District of Residence, New York City, 2015 (Continued)

		All Causes (Rate per 1,000)			Heart Diseases		Malignant Neoplasms		HIV Disease		Influenza and Pneumonia		Cerebrovascular Diseases		Chronic Lower Respiratory Diseases		Chronic Liver Disease & Cirrhosis		Diabetes Mellitus		Mental Disorders due to Substance Use & Accidental Poisoning		Accidents Except Drug Poisoning		Intentional Self-harm (Suicide)		Assault† (Homicide)		Events of Undetermined Intent	
Community District of Residence	Population 2015 Estimates	No.	Crude Rate	Age-Adjusted Rate	No.	Crude Rate	No.	Crude Rate	No.	Crude Rate	No.	Crude Rate	No.	Crude Rate	No.	Crude Rate	No.	Crude Rate	No.	Crude Rate	No.	Crude Rate	No.	Crude Rate	No.	Crude Rate	No.	Crude Rate	No.	Crude Rate
QUEENS	2,350,594	12,411	5.3	4.6	4,386	186.6	2,839	120.8	54	2.3	482	20.5	464	19.7	397	16.9	149	6.3	405	17.2	156	6.6	261	11.1	131	5.6	62	2.6	46	2.0
Astoria, Long Island City (01)	202,062	951	4.7	4.8	351	173.7	221	109.4	1	0.5	27	13.4	30	14.8	29	14.4	15	7.4	28	13.9	12	5.9	27	13.4	12	5.9	5	2.5	3	1.5
Sunnyside, Woodside (02)	136,446	475	3.5	3.6	153	112.1	131	96.0	1	0.7	18	13.2	24	17.6	16	11.7	4	2.9	11	8.1	10	7.3	5	3.7	3	2.2	1	0.7	-	-
Jackson Heights (03)	180,758	766	4.2	4.4	264	146.1	185	102.3	2	1.1	37	20.5	21	11.6	18	10.0	10	5.5	20	11.1	12	6.6	24	13.3	6	3.3	2	1.1	6	3.3
Elmhurst, Corona (04)	188,340	684	3.6	4.0	213	113.1	186	98.8	2	1.1	29	15.4	26	13.8	18	9.6	10	5.3	17	9.0	4	2.1	13	6.9	10	5.3	4	2.1	3	1.6
Ridgewood, Glendale (05)	169,160	1,003	5.9	5.7	351	207.5	263	155.5	1	0.6	40	23.6	32	18.9	48	28.4	12	7.1	19	11.2	15	8.9	26	15.4	14	8.3	1	0.6	4	2.4
Rego Park, Forest Hills (06)	115,864	821	7.1	4.5	278	239.9	196	169.2	-	-	41	35.4	41	35.4	26	22.4	12	10.4	12	10.4	4	3.5	10	8.6	8	6.9	1	0.9	4	3.5
Flushing (07)	262,647	1,653	6.3	4.2	583	222.0	400	152.3	1	0.4	89	33.9	68	25.9	47	17.9	12	4.6	43	16.4	20	7.6	35	13.3	26	9.9	4	1.5	6	2.3
Fresh Meadows, Briarwood (08)	156,741	858	5.5	4.3	363	231.6	155	98.9	5	3.2	43	27.4	29	18.5	30	19.1	8	5.1	25	15.9	10	6.4	11	7.0	8	5.1	2	1.3	5	3.2
Woodhaven (09)	149,021	659	4.4	4.9	199	133.5	152	102.0	4	2.7	16	10.7	26	17.4	25	16.8	11	7.4	28	18.8	12	8.1	18	12.1	7	4.7	5	3.4	2	1.3
Howard Beach (10)	126,027	681	5.4	5.1	234	185.7	150	119.0	3	2.4	22	17.5	22	17.5	20	15.9	16	12.7	27	21.4	8	6.3	21	16.7	5	4.0	3	2.4	1	0.8
Bayside (11)	120,034	685	5.7	3.8	269	224.1	141	117.5	-	-	17	14.2	22	18.3	19	15.8	4	3.3	20	16.7	7	5.8	16	13.3	9	7.5	1	0.8	1	0.8
Jamaica, St. Albans (12)	233,188	1,312	5.6	5.2	435	186.5	267	114.5	21	9.0	49	21.0	59	25.3	38	16.3	19	8.1	68	29.2	20	8.6	19	8.1	9	3.9	14	6.0	5	2.1
Queens Village (13)	194,037	943	4.9	3.8	342	176.3	215	110.8	4	2.1	21	10.8	44	22.7	27	13.9	7	3.6	36	18.6	7	3.6	17	8.8	7	3.6	11	5.7	2	1.0
The Rockaways (14)	115,460	920	8.0	7.2	351	304.0	177	153.3	9	7.8	33	28.6	20	17.3	36	31.2	9	7.8	51	44.2	15	13.0	19	16.5	7	6.1	8	6.9	4	3.5
STATEN ISLAND	474,558	3,540	7.5	6.3	1,333	280.9	843	177.6	17	3.6	141	29.7	94	19.8	134	28.2	29	6.1	123	25.9	72	15.2	84	17.7	31	6.5	14	3.0	16	3.4
Port Richmond (01)	180,875	1,241	6.9	6.6	431	238.3	291	160.9	14	7.7	36	19.9	37	20.5	44	24.3	16	8.8	62	34.3	27	14.9	30	16.6	13	7.2	9	5.0	5	2.8
Willowbrook, South Beach (02)	134,016	1,151	8.6	6.0	461	344.0	276	205.9	2	1.5	59	44.0	21	15.7	46	34.3	8	6.0	30	22.4	18	13.4	23	17.2	8	6.0	4	3.0	9	6.7
Tottenville (03)	158,925	1,148	7.2	6.2	441	277.5	276	173.7	1	0.6	46	28.9	36	22.7	44	27.7	5	3.1	31	19.5	27	17.0	31	19.5	10	6.3	1	0.6	2	1.3
NONRESIDENTS	-	4,219	-	-	902	-	1,578	-	22	-	113	-	140	-	84	-	72	-	81	-	101	-	114	-	55	-	32	-	29	-
RESIDENCE UNKNOWN	-	126	-	-	35	-	9	-	4	-	6	-	2	-	3	-	3	-	5	-	13	-	9	-	1	-	1	-	4	-

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 2015 population estimates derived by Bureau of Epi Services. See Technical Notes: Population, Community District.

† See Technical Notes: Deaths, Homicide.

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

MORTALITY

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

ANNUAL

Cause (ICD-10 Codes)‡‡	1901-1905	1906-1910	1911-1915	1916-1920	1921-1925	1926-1930	1931-1935	1936-1940	1941-1945	1946-1948	1949-1951	1952-1955
Infant Deaths (under 1 year)	15,611	16,609	14,060	12,004	8,895	7,662	5,521	4,079	3,828	4,298	3,882	4,021
Rate per 1,000 live births	120.8	115.2	100.0	88.2	68.9	61.0	52.0	39.8	30.3	26.8	24.5	24.6
Neonatal Deaths (under 28 days)	§§	§§	5,143	4,894	4,309	3,892	3,152	2,631	2,764	3,298	2,989	3,032
Rate per 1,000 live births			37.4	36.0	33.0	31.0	29.7	25.7	21.9	20.5	18.9	18.5
Early Neonatal Deaths (under 7 Days)	§§	§§	§§	§§	§§	§§	§§	2,110	2,338	2,845	2,604	2,713
Rate per 1,000 live births								20.5	18.5	17.7	16.4	16.6
Fetal Deaths (28 Weeks Gestation and Older)	§§	§§	§§	§§	§§	§§	§§	2,589	2,709	2,902	2,441	2,310
Ratio per 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.
†See Technical Notes: Vital Events Rates.
‡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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Population for Selected Causes, New York City, 1901-2015

AVERAGE

1956-1960	1961-1965	1966-1970	1971-1975	1976-1980	1981-1985	1986-1990	1991-1995	1996-2000	2001-2005**	2006-2010	2011	2012	2013	2014	2015
4,290	4,333	3,477	2,312	1,875	1,624	1,691	1,339	881	760	682	577	583	551	516	526
25.7	26.2	23.6	19.9	17.4	14.4	12.8	10.0	7.1	6.1	5.4	4.7	4.7	4.6	4.2	4.3
3,220	3,226	2,602	1,714	1,333	1,097	1,159	912	609	512	445	378	383	377	326	342
19.3	19.5	17.7	14.8	12.3	9.7	8.8	6.8	4.9	4.1	3.5	3.1	3.1	3.1	2.7	2.8
2,909	2,922	2,351	1,480	1,131	927	972	753	478	394	335	293	301	283	254	242
17.4	17.7	16.0	12.8	10.5	8.2	7.4	5.6	3.8	3.2	2.6	2.4	2.4	2.3	2.1	2.0
2,362	2,276	1,885	1,288	835	719	698	686	518	431	388	368	379	371	401	345
14.1	13.8	12.8	11.1	7.7	6.4	5.3	5.1	4.2	3.5	3.1	3.0	3.1	3.1	3.3	2.8
31.1	31.0	28.4	23.6	18.1	14.5	12.6	10.6	8.0	6.7	5.7	5.4	5.5	5.4	5.3	4.8
§§	§§	§§	§§	§§	§§	§§	§§	30	32	39	37	29	30	27	39
								24.1	25.7	30.5	30.1	23.5	24.9	22.1	32.1
107	109	73	36	28	33	29	26	22	29	32	30	23	25	23	35
64.1	66.0	49.6	31.1	25.9	29.2	22.3	19.2	17.5	23.1	25.4	24.4	18.7	20.8	18.8	28.8
824	624	432	235	141	125	174	135	39	25	16	27	13	13	22	17
10.6	8.0	5.5	3.1	2.0	1.7	2.4	1.8	0.5	0.3	0.2	0.3	0.2	0.2	0.3	0.2
52	43	39	32	22	35	55	34	14	5	5	5	3	4	9	3
0.7	0.6	0.5	0.4	0.3	0.5	0.8	0.5	0.2	0.1	0.1	0.1	-	-	0.1	-
§§	§§	§§	§§	§§	768§	3,703	6,257	2,716	1,603	1,032	766	609	579	523	483
					10.7	50.9	83.2	36.4	19.9	12.7	9.3	7.3	6.9	6.2	5.6
16,869	17,398	17,814	17,315	16,549	15,889	15,612	15,191	14,335	13,717	13,185	13,443	13,405	13,362	13,380	13,318
216.1	222.1	226.3	226.3	228.7	222.3	214.7	201.9	192.2	169.9	162.1	162.6	160.8	159.0	157.6	155.8
1,157	1,294	1,890	2,434	2,387	2,217	2,201	2,083	1,849	1,713	1,565	1,538	1,585	1,569	1,405	1,453
30.9	34.8	51.0	68.1	71.0	66.7	64.4	60.6	52.7	44.8	40.5	39.1	39.9	39.1	34.7	35.6
261	303	474	777	970	1,169	1,315	1,426	1,416	1,388	1,340	1,340	1,302	1,349	1,254	1,271
6.4	7.4	11.4	19.1	25.0	30.6	33.9	36.7	35.9	32.7	31.4	30.9	29.8	30.7	28.2	28.4
§§	§§	§§	§§	§§	§§	§§	1,805	1,685	1,546	1,414	1,374	1,380	1,329	1,268	1,275
							24.0	22.6	19.2	17.4	16.6	16.6	15.8	14.9	14.9
1,573	1,694	1,787	1,723	1,622	1,533	1,537	1,510	1,354	1,266	1,111	1,090	1,122	1,080	1,098	1,049
38.7	41.3	42.9	42.3	41.9	40.1	39.6	38.9	34.3	29.8	26.0	25.1	25.7	24.6	24.7	23.5
1,581	1,789	1,867	2,064	1,547	1,436	1,198	1,348	1,659	1,770	1,662	1,770	1,813	1,844	1,798	1,852
20.3	22.9	23.7	27.0	21.4	20.1	16.5	17.9	22.2	21.9	20.4	21.4	21.7	21.9	21.2	21.7
38,988	39,943	41,981	40,639	37,978	37,818	33,527	32,074	29,330	26,663	23,414	20,044	19,808	19,967	19,715	20,502
499.5	510.2	532.4	531.1	524.8	529.1	461.0	426.4	393.2	330.3	287.9	242.4	237.6	237.5	232.2	239.8
6,013	6,174	6,277	5,433	4,174	3,194	2,927	2,256	2,058	1,807	1,555	1,750	1,647	1,707	1,787	1,847
77.0	78.9	79.7	71.0	57.7	44.7	40.2	30.0	27.6	22.4	19.1	21.2	19.8	20.3	21.0	21.6
3,459	3,394	3,562	3,164	3,000	2,740	3,354	2,810	2,548	2,726	2,372	2,492	2,245	2,472	2,220	2,096
44.3	43.4	45.2	41.4	41.5	38.3	46.1	37.4	34.2	33.8	29.2	30.1	26.9	29.4	26.1	24.5
651	960	1,425	1,627	1,583	1,941	2,507	1,943	2,025	2,037	1,909	2,278	2,209	2,355	2,425	2,386
8.3	12.3	18.1	21.3	21.9	27.2	34.5	25.8	27.1	25.2	23.5	27.5	26.5	28.0	28.6	27.9
1,858	2,386	2,936	2,440	2,185	1,789	1,289	946	697	521	493	550	534	586	589	610
23.8	30.5	37.3	31.9	30.2	25.0	17.7	12.6	9.3	6.5	6.1	6.7	6.4	7.0	6.9	7.1
573	509	447	372	381	383	816	311	564	654	429	453	461	464	486	437
7.3	6.5	5.7	4.9	5.3	5.4	11.2	4.1	7.6	8.1	5.3	5.5	5.5	5.5	5.7	5.1
96	263	551	677	414	573	787	947	875	866	262	158	152	148	170	195
1.2	3.4	7.0	8.8	5.7	8.0	10.8	12.6	11.7	10.7	3.2	1.9	1.8	1.8	2.0	2.3
§§	§§	§§	§§	§§	1	143	49	26	41	353	600	660	724	723	856
					||	2.0	0.7	0.3	0.5	4.3	7.3	7.9	8.6	8.5	10.0
655	714	887	834	606	477	624	554	419	386	315	283	315	305	271	258
8.4	9.1	11.3	10.9	8.4	6.7	8.6	7.4	5.6	4.8	3.9	3.4	3.8	3.6	3.2	3.0
1,095	951	871	755	525	486	589	508	§§	§§	§§	§§	§§	§§	§§	§§
14.0	12.1	11.1	9.9	7.3	6.8	8.1	6.8								
2,091	1,947	1,730	1,239	926	812	880	394	493	792	712	735	719	731	755	798
26.8	24.9	22.0	16.2	12.8	11.4	12.1	5.2	6.6	9.8	8.8	8.9	8.6	8.7	8.9	9.3
711	908	680	641	711	603	600	599	514	483	477	509	557	550	565	552
9.1	11.6	8.6	8.4	9.8	8.4	8.3	8.0	6.9	6.0	5.9	6.2	6.7	6.5	6.7	6.5
366	592	992	1,663	1,700	1,763	1,902	1,815	778	624	549	528	440	343	353	379
4.7	7.6	12.6	21.7	23.5	24.7	26.2	24.1	10.4	7.7	6.8	6.4	5.3	4.1	4.2	4.4
§§	§§	946	1,062	699	696	504	161	151	232	212	247	241	227	253	265
		10.9	13.9	9.7	9.7	6.9	2.0	2.0	2.9	2.6	3.0	2.9	2.7	3.0	3.1
§§	§§	§§	§§	§§	§§	§§	84	115	232	400	626	696	740	789	1,079
							1.2	1.5	2.9	4.9	7.6	8.3	8.8	9.3	12.6
§§	§§	§§	§§	§§	§§	§§	269	243	196	154	171	166	180	182	167
							3.7	3.3	2.4	1.9	2.1	2.0	2.1	2.1	2.0

Table M14. Alcohol-attributable Deaths Due to Excessive Alcohol Use, Age ≥ 20 Years*, New York City, 2015

Total for All Causes	Total†	Male	Female
	1,955	1,373	582
Chronic Causes*			
Acute pancreatitis	11	7	4
Alcohol abuse	65	51	14
Alcohol cardiomyopathy	7	7	-
Alcohol dependence syndrome	195	143	52
Alcohol-induced chronic pancreatitis	1	-	1
Alcoholic gastritis	2	2	-
Alcoholic liver disease	412	309	103
Alcoholic psychosis	4	2	2
Breast cancer (females only)	15	-	15
Cholelithiases	0	-	-
Chronic hepatitis	< 1	< 1	-
Chronic pancreatitis	2	1	1
Epilepsy	5	2	2
Esophageal cancer	8	5	2
Esophageal varices	1	1	-
Gastroesophageal hemorrhage	< 1	-	< 1
Hypertension	103	42	62
Ischemic heart disease	26	12	13
Laryngeal cancer	5	4	1
Liver cancer	40	25	14
Liver cirrhosis unspecified	107	58	49
Low birth weight prematurity IUGR death‡	4	3	1
Oropharyngeal cancer	8	6	2
Prostate cancer (males only)	4	4	-
Spontaneous abortion (females only)	< 1	-	< 1
Stroke hemorrhagic	30	21	8
Stroke ischemic	9	6	3
Supraventricular cardiac dysrhythmia	3	1	2
Subtotal	1,067	714	354
Acute Causes			
Air-space transport	< 1	< 1	-
Alcohol poisoning	80	68	12
Aspiration	3	2	1
Child maltreatment	2	2	1
Drowning	5	3	2
Fall injuries	149	92	56
Fire injuries	16	8	8
Homicide	171	149	22
Hypothermia	6	5	1
Motor-vehicle nontraffic crashes	< 1	< 1	-
Motor-vehicle traffic crashes	71	53	18
Occupational and machine injuries	1	1	-
Other road vehicle crashes	5	4	1
Poisoning (not alcohol)	251	189	63
Suicide	127	83	43
Suicide by and exposure to alcohol	1	1	-
Subtotal	888	660	228

Note: Alcohol prevalence data are provided by the Bureau of Epidemiology Services. The definition of alcohol consumption levels was changed in 2014. See Technical Notes: Deaths, Alcohol and Smoking Attributable Mortality.
* Generally chronic causes of death are collected for people aged 20 years and older and acute causes of death for people aged 15 years and older. However, there are several exceptions to this rule. See Technical Notes.
† Total may not equal sum of males and females due to rounding.
‡ IUGR = Intrauterine growth restriction.

Table M15. Smoking-attributable Deaths and Age-adjusted Death Rates, Age ≥ 35 Years, New York City, 2014 and 2015

Disease Category	2014						2015					
	Deaths			Age-adjusted Rates (per 100,000 Population)			Deaths			Age-adjusted Rates (per 100,000 Population)		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Total	4,587	3,343	7,930	246.7	127.4	177.6	4,657	3,390	8,047	242.9	127.3	176.3
Cerebrovascular disease	54	56	111	3.1	2.2	2.6	63	57	121	3.5	2.2	2.7
Chronic obstructive pulmonary disease (ages 65+)	515	584	1,100	31.5	22.4	25.9	500	565	1,065	29.6	21.3	24.5
Coronary heart disease	1,478	1,083	2,560	79.4	41.7	58.1	1,542	1,113	2,655	80.3	42.4	59.0
Diabetes mellitus	63	30	93	3.2	1.1	2.0	62	31	93	3.1	1.1	2.0
Influenza, pneumonia, Tuberculosis, and COPD (ages 35-64)	215	121	336	9.0	4.3	6.5	190	126	316	7.7	4.6	6.0
Influenza, pneumonia, and tuberculosis (ages 65+)	186	98	284	11.2	3.8	6.7	174	93	267	10.1	3.5	6.1
Lung cancer	1,134	909	2,043	60.3	34.3	45.0	1,177	925	2,102	61.0	34.3	45.3
Other cancers	619	251	870	32.9	9.4	19.1	616	259	875	31.7	9.5	18.7
Other cardiovascular diseases (ages 35-64)*	191	60	250	8.3	2.4	5.1	203	68	271	8.6	2.7	5.5
Other heart disease (ages 65+)†	69	86	155	4.0	3.3	3.6	74	87	161	4.2	3.3	3.7
Other vascular diseases (ages 65+)‡	64	64	128	3.7	2.5	3.0	57	65	121	3.2	2.5	2.8

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

Beginning 2014, the calculation of smoking-attributable deaths uses the updated CDC method. As a result, the number of smoking-attributable deaths are much higher than prior years. See Technical Notes: Deaths, Alcohol-and Smoking-attributable Mortality for methodology.

Total may differ from sum of male and female numbers due to rounding.

* Other cardiovascular diseases are comprised of other heart disease, cerebrovascular disease, other vascular diseases and diabetes mellitus.

† Other heart disease is comprised of rheumatic heart disease, pulmonary heart disease, and other forms of heart disease.

‡ Other vascular diseases are comprised of atherosclerosis, aortic aneurysm, and other arterial diseases.

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

		ALL													
AGE GROUP/ETHNIC GROUP*		1983-2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	1983-2005	2006	2007
ALL AGES	Total	74,433	1,209	1,115	1,073	933	832	766	609	579	523	483	56,888	818	711
	Puerto Rican	13,918	220	224	217	187	196	186	115	138	88	102	10,220	163	142
	Other Hispanic	6,624	111	103	118	105	72	46	37	34	43	29	5,409	78	76
	Asian & Pacific Islander	477	10	5	10	3	6	4	5	8	2	5	423	8	3
	Non-Hispanic White	18,682	178	143	129	90	100	94	80	73	62	50	16,262	139	103
	Non-Hispanic Black	30,933	660	625	583	537	449	421	359	311	298	277	21,533	407	377
	Other or Unknown	3,799	30	15	16	11	9	15	13	15	30	20	3,041	23	10
UNDER 1	Total	314	–	–	–	–	–	–	–	–	–	–	158	–	–
	Puerto Rican	42	–	–	–	–	–	–	–	–	–	–	24	–	–
	Other Hispanic	30	–	–	–	–	–	–	–	–	–	–	16	–	–
	Asian & Pacific Islander	1	–	–	–	–	–	–	–	–	–	–	1	–	–
	Non-Hispanic White	48	–	–	–	–	–	–	–	–	–	–	31	–	–
	Non-Hispanic Black	174	–	–	–	–	–	–	–	–	–	–	78	–	–
	Other or Unknown	19	–	–	–	–	–	–	–	–	–	–	8	–	–
1-14	Total	961	1	2	–	1	–	–	1	–	–	–	490	–	1
	Puerto Rican	170	–	–	–	–	–	–	–	–	–	–	89	–	–
	Other Hispanic	102	1	1	–	–	–	–	–	–	–	–	54	–	–
	Asian & Pacific Islander	6	–	–	–	–	–	–	–	–	–	–	3	–	–
	Non-Hispanic White	154	–	1	–	–	–	–	–	–	–	–	83	–	1
	Non-Hispanic Black	483	–	–	–	1	–	–	1	–	–	–	242	–	–
	Other or Unknown	46	–	–	–	–	–	–	–	–	–	–	19	–	–
15-24	Total	1,098	22	19	17	14	8	16	11	8	9	8	655	12	9
	Puerto Rican	239	1	7	3	2	1	4	2	–	–	2	139	1	3
	Other Hispanic	126	5	4	–	3	–	–	2	–	–	1	89	3	4
	Asian & Pacific Islander	7	–	–	–	–	1	–	–	–	–	–	5	–	–
	Non-Hispanic White	157	1	–	1	3	–	–	–	1	2	1	106	–	–
	Non-Hispanic Black	504	13	8	13	6	6	12	7	7	7	4	278	7	2
	Other or Unknown	65	2	–	–	–	–	–	–	–	–	–	38	1	–
25-34	Total	17,046	63	52	77	49	37	40	34	29	28	28	12,285	41	32
	Puerto Rican	3,531	4	8	8	7	11	2	3	5	4	5	2,464	2	3
	Other Hispanic	1,802	6	4	11	3	8	8	6	4	3	2	1,435	4	4
	Asian & Pacific Islander	92	–	1	–	1	–	2	1	–	–	1	78	–	–
	Non-Hispanic White	4,054	9	3	6	5	1	3	1	2	1	1	3,377	6	2
	Non-Hispanic Black	6,671	44	35	52	33	17	25	23	17	19	18	4,258	29	22
	Other or Unknown	896	–	1	–	–	–	–	–	1	1	1	673	–	1
35-44	Total	31,288	343	311	246	190	142	125	90	73	60	64	24,031	211	177
	Puerto Rican	5,704	65	64	57	45	34	28	17	22	12	8	4,246	47	41
	Other Hispanic	2,623	41	27	37	28	19	8	4	3	7	5	2,151	28	17
	Asian & Pacific Islander	191	4	2	3	1	–	1	2	3	1	3	178	3	1
	Non-Hispanic White	8,262	45	46	34	18	16	12	15	7	10	4	7,209	28	32
	Non-Hispanic Black	12,921	182	168	113	98	71	76	49	37	28	40	8,976	100	83
	Other or Unknown	1,587	6	4	2	–	2	–	3	1	2	4	1,271	5	3
45-54	Total	16,862	502	448	425	352	330	287	217	215	167	143	13,579	342	289
	Puerto Rican	3,111	99	84	89	65	85	75	46	55	34	38	2,389	74	58
	Other Hispanic	1,321	40	43	46	46	29	15	14	14	16	9	1,136	29	32
	Asian & Pacific Islander	119	3	–	5	–	3	–	–	1	1	1	110	2	–
	Non-Hispanic White	4,264	76	61	45	35	37	41	28	28	16	15	3,866	65	40
	Non-Hispanic Black	7,187	272	256	231	200	173	150	123	111	87	76	5,332	164	156
	Other or Unknown	860	12	4	9	6	3	6	6	6	13	4	746	8	3
≥55	Total	6,863	278	283	308	327	315	298	255	254	259	240	5,689	212	203
	Puerto Rican	1,121	51	61	60	68	65	77	47	56	38	49	869	39	37
	Other Hispanic	620	18	24	24	25	16	15	11	13	17	12	528	14	19
	Asian & Pacific Islander	61	3	2	2	1	2	1	2	4	–	–	48	3	2
	Non-Hispanic White	1,743	47	32	43	29	46	38	36	35	33	29	1,590	40	28
	Non-Hispanic Black	2,993	149	158	174	199	182	158	155	139	157	139	2,369	107	114
	Other or Unknown	325	10	6	5	5	4	9	4	7	14	11	285	9	3

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.

MORTALITY

New York City, 1983-2015

MALE								FEMALE										
2008	2009	2010	2011	2012	2013	2014	2015	1983-2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
702	603	574	528	402	398	359	332	17,545	391	404	371	330	258	238	207	181	164	151
138	125	135	123	75	94	56	68	3,698	57	82	79	62	61	63	40	44	32	34
84	71	54	39	28	28	36	19	1,215	33	27	34	34	18	7	9	6	7	10
7	2	3	2	4	5	1	3	54	2	2	3	1	3	2	1	3	1	2
104	68	76	75	63	53	50	40	2,420	39	40	25	22	24	19	17	20	12	10
356	329	297	277	223	204	196	185	9,400	253	248	227	208	152	144	136	107	102	92
13	8	9	12	9	14	20	17	758	7	5	3	3	–	3	4	1	10	3
–	–	–	–	–	–	–	–	156	–	–	–	–	–	–	1	–	–	–
–	–	–	–	–	–	–	–	18	–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	14	–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	17	–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	96	–	–	–	–	–	–	1	–	–	–
–	–	–	–	–	–	–	–	11	–	–	–	–	–	–	–	–	–	–
–	1	–	–	1	–	–	–	471	1	1	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	81	–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	48	1	1	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	3	–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	71	–	–	–	–	–	–	–	–	–	–
–	1	–	–	1	–	–	–	241	–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	27	–	–	–	–	–	–	–	–	–	–
7	5	4	13	5	6	7	5	443	10	10	10	9	4	3	6	2	2	3
–	–	–	2	–	–	–	2	100	–	4	3	2	1	2	2	–	–	–
–	–	–	–	1	–	–	–	37	2	–	–	3	–	–	1	–	–	1
–	–	1	–	–	–	–	–	2	–	–	–	–	–	–	–	–	–	–
1	2	–	–	–	–	2	1	51	1	–	–	1	–	–	–	1	–	–
6	3	3	11	4	6	5	2	226	6	6	7	3	3	1	3	1	2	2
–	–	–	–	–	–	–	–	27	1	–	–	–	–	–	–	–	–	–
48	32	27	29	24	27	17	21	4,761	22	20	29	17	10	11	10	2	11	7
5	6	7	2	2	5	–	2	1,067	2	5	3	1	4	–	1	–	4	3
10	2	6	7	5	4	3	2	367	2	–	1	1	2	1	1	–	–	–
–	–	–	1	1	–	–	1	14	–	1	–	1	–	1	–	–	–	–
4	5	1	2	1	1	1	1	677	3	1	2	–	–	1	–	1	–	–
29	19	13	17	15	16	12	14	2,413	15	13	23	14	4	8	8	1	7	4
–	–	–	–	–	1	1	1	223	–	–	–	–	–	–	–	–	–	–
144	111	94	77	54	45	33	32	7,257	132	134	102	79	48	48	36	28	27	32
30	26	20	17	10	10	4	6	1,458	18	23	27	19	14	11	7	12	8	2
23	16	14	8	1	3	5	2	472	13	10	14	12	5	–	3	–	2	3
3	1	–	–	1	1	–	1	13	1	1	–	–	–	1	1	2	1	2
22	12	11	10	13	3	7	1	1,053	17	14	12	6	5	2	2	4	3	3
65	56	47	42	28	27	16	20	3,945	82	85	48	42	24	34	21	10	12	20
1	–	2	–	1	1	1	2	316	1	1	1	–	–	–	2	–	1	2
275	225	219	183	136	140	115	97	3,283	160	159	150	127	111	104	81	75	52	46
56	51	62	43	29	38	22	25	722	25	26	33	14	23	32	17	17	12	13
33	35	20	12	12	10	13	7	185	11	11	13	11	9	3	2	4	3	2
3	–	1	–	–	1	1	1	9	1	–	2	–	2	–	–	–	–	–
37	25	28	30	22	20	13	11	398	11	21	8	10	9	11	6	8	3	4
139	111	105	95	69	65	55	50	1,855	108	100	92	89	68	55	54	46	32	26
7	3	3	3	4	6	11	3	114	4	1	2	3	–	3	2	–	2	1
228	229	230	226	182	180	187	177	1,174	66	80	80	98	85	72	73	74	72	63
47	42	46	59	34	41	30	33	252	12	24	13	26	19	18	13	15	8	16
18	18	14	12	9	11	15	8	92	4	5	6	7	2	3	2	2	2	4
1	1	1	1	2	3	–	–	13	–	–	1	–	1	–	–	1	–	–
40	24	36	33	27	29	27	26	153	7	4	3	5	10	5	9	6	6	3
117	139	129	112	106	90	108	99	624	42	44	57	60	53	46	49	49	49	40
5	5	4	9	4	6	7	11	40	1	3	–	–	–	–	–	1	7	–

Table M17. Selected Characteristics of Deaths Due to Fatal Occupational Injuries, New York City, 2015*

Characteristics	All Deaths	Selected event or exposure†‡					
		Violence and other injuries by persons or animals	Transportation incidents	Fires and explosions	Falls, slips, trips	Exposure to harmful substances or environments	Contact with objects and equipment
Total	74	23	9		24	6	10
Selected Industries							
Government§ (Federal, State, Local)	7	5					
Private industry§	67	18	7		24	6	10
Goods producing	30				16	3	8
Construction & Manufacturing	30				15	3	7
Service providing	37	17	6		8	3	
Trade, transportation, and utilities	15	11					
Financial activities	3						
Professional and business services	5						
Educational and health services	3				3		
Leisure and hospitality	4						
Other services, except public adminstration	5	3					
Sex							
Female	4				3		
Male	70	22	9		21	6	10
Race or ethnic origin‖							
Non-Hispanic white	20	3	4		8	3	
Non-Hispanic black	19	10	4				
Hispanic	27	8			11		6
Asian	5						
Age							
<25 years	4						
25-34 years	19	6			5	4	
35-44 years	13	6			4		
45-54 years	17	6			5		3
55-64 years	11	4			6		
>65 years	9		3		4		

*Source Bureau of Labor Statistics: Fatal Occupational Injuries in New York City http://www.bls.gov/iif/oshwc/cfoi/tgs/2015/iiffw68.htm.

†Based on the BLS Occupational Injury and Illness Classification System (OIICS) 2.01 implemented for 2011 data forward.

‡Totals for major categories may include subcategories not shown separately. Blank cells indicate no data reported or data that do not meet publication criteria. CFOI fatality counts exclude illness-related deaths unless precipitated by an injury event.

§Includes all fatal occupational injuries meeting this ownership criterion across all specific years, regardless on industry classification system.

‖Persons identified as Hispanic or Latino may be of any race. The race categories shown exclude data for Hispanic and Latino workers.

Note: For 2014 data, please visit http://www.bls.gov/iif/oshwc/cfoi/tgs/2014/iiffw68.htm.

Table M18. Deaths Due to Accidents, Overall and by Age and Sex, New York City, 2015

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	1,912	6	8	6	4	5	4	24	7	72	24	201	57	191	60	276	90	242	83	116	59	195	182
Motor Vehicle Except Injury to Pedestrian, Pedal Cyclist, and Motorcyclist	69	-	-	-	1	-	1	3	2	9	4	14	3	4	2	4	2	4	1	6	1	4	4
Injury to Pedestrians	171	-	-	2	2	1	1	5	-	5	3	11	6	7	5	13	7	29	12	14	13	14	21
Collision with motor vehicle	149	-	-	2	2	1	1	4	-	4	2	9	5	3	5	10	5	23	12	13	13	14	21
Collision with railway transportation	21	-	-	-	-	-	-	1	-	1	1	2	1	4	-	3	2	6	-	-	-	-	-
Other collision	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Injury to Pedal Cyclist	17	-	-	-	-	-	-	1	-	2	1	2	2	4	-	-	-	2	-	1	-	2	-
Collision with motor vehicle	11	-	-	-	-	-	-	1	-	2	-	1	1	1	-	-	-	2	-	1	-	2	-
Other collision	6	-	-	-	-	-	-	-	-	-	1	1	1	3	-	-	-	-	-	-	-	-	-
Injury to Motorcyclist	22	-	-	-	-	-	1	1	-	4	1	4	2	4	-	3	-	2	-	-	-	-	-
Water Transport Accidents	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Air and Space Transport Accidents	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Other Transport Accidents	9	-	-	-	-	-	-	-	-	-	-	1	1	2	-	3	1	-	1	-	-	-	-
Sequelae (Late Effects) of Transport Accidents	15	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	-	3	-	4	2	2	1
Fall	466	-	1	-	-	-	-	3	-	3	-	13	1	14	4	28	3	40	16	38	27	150	125
Firearm Discharge	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Drowning and Submersion	18	-	1	2	-	-	-	-	-	2	-	-	1	2	2	2	1	1	1	2	-	-	1
Smoke, Fire, and Flames	47	-	1	2	1	3	1	-	1	-	-	-	-	-	1	4	1	7	6	4	5	4	6
Poisoning by Noxious Substances	947	-	-	-	-	1	-	8	4	44	15	149	40	144	43	204	73	136	42	29	9	4	2
Poisoning by psychoactive substances*	856	-	-	-	-	1	-	7	4	42	15	140	37	133	39	183	67	115	40	24	8	1	-
Poisoning by other noxious substances	91	-	-	-	-	-	-	1	-	2	-	9	3	11	4	21	6	21	2	5	1	3	2
Exposure to Excessive Natural Heat	3	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	1	-
Exposure to Excessive Natural Cold	14	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	4	1	5	-	-	2
Suffocation	39	5	4	-	-	-	-	-	-	1	-	2	1	4	-	3	1	4	1	3	1	3	6
Contact with Machinery	3	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	1	-	-	-	-	-
Other Nontransport Accidents	55	1	1	-	-	-	-	3	-	2	-	3	-	2	2	7	1	4	2	8	-	8	11
Sequelae (Late Effects) of Nontransport Accidents	16	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	-	4	-	2	1	3	3

*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, 2015

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	552	0	0	0	0	1	0	9	5	37	16	69	25	47	32	73	46	57	28	41	21	30	15
Poisoning by Drug and Medicinal Substances	74	-	-	-	-	-	-	-	1	2	4	8	3	2	7	6	15	7	7	2	6	3	1
Poisoning by Other Substances	6	-	-	-	-	-	-	-	-	-	-	3	-	1	-	1	1	-	-	-	-	-	-
Hanging, Strangulation, and Suffocation	222	-	-	-	-	1	-	4	3	16	5	24	12	18	12	29	14	27	11	18	9	10	9
Drowning and Submersion	26	-	-	-	-	-	-	-	-	4	2	4	1	3	1	4	2	2	-	-	-	3	-
Firearm Discharge	54	-	-	-	-	-	-	1	-	1	-	9	1	7	-	14	1	6	-	12	-	2	-
Sharp Object	16	-	-	-	-	-	-	-	-	-	-	2	-	1	2	3	1	2	-	1	-	2	2
Jumping From High Place	120	-	-	-	-	-	-	2	1	11	4	15	7	10	7	12	9	10	9	7	6	7	3
Jumping or Lying Before Moving Object	27	-	-	-	-	-	-	2	-	2	1	4	-	5	1	4	3	2	1	1	-	1	-
Other and Unspecified Means	7	-	-	-	-	-	-	-	-	1	-	-	1	-	2	-	-	1	-	-	-	2	-
Sequelae (Late Effects)	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table M20. Deaths Due to Assault (Homicide) and Legal Intervention, Overall and by Age and Sex, New York City, 2015

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	384	9	4	0	1	1	0	29	1	74	6	97	14	58	9	31	5	21	4	10	2	3	5
Poisoning by Noxious Substances	2	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
Hanging, Strangulation, and Suffocation	5	1	-	-	-	-	-	-	-	1	-	1	-	-	-	1	1	-	-	-	-	-	-
Drowning and Submersion	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Firearm Discharge	238	-	1	-	1	1	-	23	1	56	3	76	6	38	4	18	-	3	2	2	2	1	-
Smoke, Fire, and Flames	3	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	1
Sharp Object	56	-	-	-	-	-	-	4	-	13	2	10	4	7	-	4	4	4	1	2	-	-	1
Blunt Object	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pushing From High Place	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bodily Force	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Neglect, Abandonment, and Other Maltreatment	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other and Unspecified Means	53	2	2	-	-	-	-	1	-	3	-	9	4	8	4	7	-	8	-	2	-	-	3
Sequelae (Late Effects)	13	-	-	-	-	-	-	-	-	-	-	1	-	2	-	1	-	4	-	4	-	1	-
Legal Intervention, All*	5	-	-	-	-	-	-	1	-	1	-	-	-	1	-	-	-	2	-	-	-	-	-

* Four of 5 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, 2015

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	265	26	17	-	-	1	-	3	1	18	2	24	9	28	11	35	11	24	13	16	9	9	8
Poisoning by Noxious Substances	27	-	-	-	-	-	-	1	-	1	-	-	2	1	4	5	3	3	3	-	2	2	-
Hanging, Strangulation, and Suffocation	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Drowning and Submersion	19	-	-	-	-	1	-	1	-	5	-	3	1	1	1	-	2	3	-	1	-	-	-
Firearm Discharge	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Smoke, Fire, and Flames	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Sharp or Blunt Object	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Falling From High Place	23	-	-	-	-	-	-	-	-	5	-	2	1	6	1	4	-	-	-	1	1	1	1
Other and Unspecified Means	191	26	17	-	-	-	-	1	-	7	2	19	4	19	5	25	6	17	10	14	6	6	7
Sequelae (Late Effects)	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-

Table M22. Deaths Due to Complications of Medical and Surgical Care, Overall and by Age and Sex, New York City, 2015

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	30	-	-	-	-	-	-	-	-	-	1	1	-	2	2	2	3	8	-	2	3	2	4
Adverse Effects From Drugs, Medicaments, Biological Substances for Therapeutic Use	5	-	-	-	-	-	-	-	-	-	1	1	-	2	-	-	-	-	-	-	-	-	1
Medical Misadventures to Patients During Surgical and Medical Care	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Adverse Effects from Medical Devices for Therapeutic Use	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Other and Unspecified Means	23	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	2	8	-	2	3	2	2
Sequelae (Late Effects)	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table M23. Deaths Due to Firearms (All Causes), Overall and by Age and Sex, New York City, 2015

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)	297	-	1	-	1	1	-	25	2	58	3	85	7	46	4	32	1	10	2	14	2	3	-

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Table M24. Life Expectancy at Specified Ages, Overall and by Sex and Racial/Ethnic Group, New York City, 1999-2001 and 2009-2011*

Exact Age in Years	All							
	1999-2001†				2009-2011			
	Total	Hispanic	Non-Hispanic White	Non-Hispanic Black	Total	Hispanic	Non-Hispanic White	Non-Hispanic Black
0	77.6	79.7	77.7	73.2	80.8	81.9	81.2	76.9
1	77.1	79.0	77.3	73.0	80.2	81.2	80.5	76.6
5	73.2	75.0	73.4	59.0	76.2	77.3	76.5	72.7
10	65.2	70.0	68.5	64.2	71.3	72.3	71.5	67.8
15	63.3	65.1	63.6	59.3	66.3	67.4	66.6	62.8
20	58.4	60.2	58.7	54.5	61.5	62.5	61.7	58.0
25	53.6	55.4	53.9	49.9	56.6	57.6	56.8	53.3
30	48.8	50.5	49.0	45.2	51.8	52.8	51.9	48.6
35	44.1	45.8	44.3	40.7	47.0	48.0	47.0	43.9
40	39.5	41.2	39.6	36.3	42.2	43.2	42.2	39.3
45	35.0	36.7	35.1	32.1	37.6	38.6	37.5	34.9
50	30.7	32.4	30.7	28.2	33.1	34.1	33.0	30.7
55	26.6	28.2	26.5	24.4	28.8	29.8	28.7	26.6
60	22.6	24.1	22.4	20.8	24.7	25.6	24.5	22.9
65	18.8	20.2	18.6	17.5	20.7	21.6	20.5	19.3
70	15.3	16.7	15.1	14.5	17.0	17.8	16.7	16.0
75	12.1	13.3	11.8	11.3	13.4	14.3	13.1	12.9
80	9.2	10.4	8.9	9.3	10.3	11.0	10.0	10.1
85	6.7	7.7	6.4	7.1	7.5	8.1	7.1	7.6
Exact Age in Years	Male							
	1999-2001†				2009-2011			
	Total	Hispanic	Non-Hispanic White	Non-Hispanic Black	Total	Hispanic	Non-Hispanic White	Non-Hispanic Black
0	74.5	76.1	74.9	69.1	78.1	78.6	78.8	73.3
1	74.0	75.4	74.5	69.0	77.5	77.9	78.1	73.0
5	70.1	71.4	70.6	65.1	73.5	74.0	74.1	69.1
10	65.2	66.5	65.7	60.2	68.6	69.0	69.2	64.2
15	60.2	61.5	60.8	55.3	63.6	64.1	64.2	59.2
20	55.4	56.6	55.9	50.6	58.8	59.2	59.4	54.5
25	50.7	51.9	51.2	46.1	54.0	54.4	54.6	49.9
30	46.0	47.1	46.4	41.6	49.2	49.6	49.7	45.4
35	41.3	42.5	41.7	37.2	44.5	44.9	44.9	40.8
40	36.8	37.9	37.1	32.9	39.8	40.2	40.1	36.3
45	32.4	33.6	32.7	28.8	35.2	35.7	35.4	32.0
50	28.3	29.5	28.5	25.2	30.8	31.3	31.0	27.9
55	24.4	25.6	24.4	21.8	26.7	27.2	26.8	24.0
60	20.6	21.8	20.5	18.4	22.7	23.2	22.8	20.5
65	17.0	18.2	16.9	15.3	19.0	19.5	19.0	17.2
70	13.8	14.9	13.6	12.6	15.5	16.1	15.3	14.2
75	10.8	12.0	10.6	10.2	12.2	13.0	12.0	11.4
80	8.2	9.4	7.9	8.2	9.3	10.1	9.0	9.0
85	6.1	7.3	5.7	6.6	6.8	7.5	6.5	6.9
Exact Age in Years	Female							
	1999-2001†				2009-2011			
	Total	Hispanic	Non-Hispanic White	Non-Hispanic Black	Total	Hispanic	Non-Hispanic White	Non-Hispanic Black
0	80.2	82.6	80.4	76.5	83.2	84.7	83.4	79.8
1	79.7	81.9	79.9	76.2	82.5	84.0	82.6	79.4
5	75.8	77.9	76.0	72.3	78.6	80.0	78.7	75.5
10	70.8	72.9	71.1	67.4	73.6	75.0	73.7	70.6
15	65.9	68.0	66.1	62.4	68.7	70.1	68.7	65.6
20	61.0	63.0	61.2	57.5	63.7	65.1	63.8	60.7
25	56.1	58.1	56.4	52.7	58.8	60.2	58.9	55.8
30	51.2	53.2	51.4	47.9	53.9	55.3	53.9	51.0
35	46.4	48.4	46.6	43.3	49.0	50.4	49.0	46.2
40	41.7	43.7	41.8	38.8	44.2	45.6	44.1	41.5
45	37.1	39.1	37.2	34.4	39.5	40.8	39.4	37.0
50	32.6	34.5	32.6	30.3	34.9	36.2	34.8	32.7
55	28.3	30.0	28.2	26.3	30.5	31.7	30.3	28.5
60	24.1	25.7	23.9	22.4	26.1	27.3	25.9	24.5
65	20.1	21.5	19.9	18.8	21.9	23.0	21.6	20.7
70	16.4	17.7	16.1	15.5	18.0	18.9	17.7	17.1
75	12.9	14.1	12.6	12.5	14.2	15.1	13.9	13.7
80	9.7	10.8	9.4	9.8	10.8	11.5	10.5	10.6
85	7.0	7.9	6.7	7.3	7.8	8.4	7.5	7.8

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 2000 and 2010 are used to calculate 1999-2001 and 2009-2011 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, 2006-2015

Age in years	Total									
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
0	79.7	80.1	80.2	80.6	80.9	80.9	81.1	81.1	81.3	81.2
1	79.1	79.6	79.6	80.0	80.3	80.3	80.5	80.4	80.6	80.5
5	75.2	75.6	75.7	76.1	76.3	76.3	76.5	76.5	76.6	76.6
10	70.3	70.7	70.7	71.1	71.4	71.4	71.6	71.5	71.7	71.6
15	65.3	65.7	65.8	66.2	66.4	66.4	66.6	66.6	66.8	66.7
20	60.4	60.8	60.9	61.3	61.6	61.5	61.7	61.6	61.8	61.7
25	55.6	56.0	56.1	56.4	56.7	56.7	56.9	56.8	57.0	56.9
30	50.8	51.2	51.3	51.6	51.9	51.9	52.0	51.9	52.1	52.1
35	46.0	46.3	46.5	46.8	47.1	47.1	47.2	47.1	47.3	47.3
40	41.3	41.6	41.7	42.0	42.3	42.3	42.5	42.4	42.6	42.5
45	36.7	37.0	37.1	37.4	37.6	37.6	37.8	37.7	37.9	37.8
50	32.3	32.6	32.7	33.0	33.1	33.2	33.3	33.1	33.3	33.2
55	28.1	28.4	28.4	28.7	28.8	28.8	28.9	28.8	28.9	28.9
60	24.1	24.3	24.3	24.6	24.7	24.7	24.7	24.6	24.7	24.6
65	20.1	20.4	20.4	20.6	20.8	20.7	20.7	20.6	20.7	20.6
70	16.4	16.6	16.7	16.9	17.0	17.0	17.0	16.9	17.0	16.9
75	12.9	13.1	13.2	13.4	13.5	13.4	13.5	13.4	13.6	13.5
80	9.8	10.0	10.0	10.2	10.3	10.3	10.4	10.4	10.5	10.5
85	7.2	7.4	7.3	7.5	7.5	7.4	7.5	7.4	7.5	7.4
Age in years	Male									
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
0	76.8	77.3	77.5	77.8	78.1	78.2	78.4	78.3	78.5	78.6
1	76.3	76.8	76.9	77.3	77.5	77.6	77.8	77.7	77.9	77.9
5	72.4	72.9	73.0	73.3	73.6	73.6	73.9	73.8	74.0	74.0
10	67.5	67.9	68.0	68.4	68.6	68.7	68.9	68.8	69.0	69.0
15	62.5	62.9	63.1	63.4	63.6	63.8	64.0	63.9	64.1	64.1
20	57.7	58.1	58.2	58.6	58.8	58.9	59.1	59.0	59.2	59.2
25	52.9	53.4	53.5	53.8	54.1	54.2	54.3	54.2	54.4	54.4
30	48.2	48.6	48.7	49.1	49.3	49.4	49.6	49.4	49.6	49.6
35	43.4	43.8	44.0	44.3	44.5	44.6	44.8	44.6	44.9	44.9
40	38.8	39.1	39.3	39.6	39.8	39.9	40.1	39.9	40.2	40.2
45	34.3	34.7	34.8	35.0	35.2	35.3	35.5	35.3	35.5	35.5
50	30.0	30.4	30.5	30.7	30.8	30.9	31.1	30.9	31.1	31.0
55	26.0	26.3	26.4	26.6	26.7	26.7	26.9	26.6	26.8	26.8
60	22.2	22.4	22.5	22.6	22.7	22.8	22.8	22.6	22.8	22.7
65	18.4	18.7	18.7	18.9	19.0	19.1	19.1	18.8	19.0	18.8
70	14.9	15.1	15.3	15.4	15.5	15.5	15.6	15.4	15.6	15.5
75	11.6	11.8	12.1	12.2	12.2	12.3	12.3	12.2	12.4	12.2
80	8.9	9.0	9.1	9.3	9.3	9.4	9.4	9.4	9.5	9.5
85	6.5	6.7	6.7	6.8	6.8	6.8	6.8	6.7	6.7	6.7
Age in years	Female									
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
0	82.1	82.5	82.6	83.0	83.3	83.2	83.4	83.4	83.6	83.5
1	81.5	81.9	82.0	82.3	82.7	82.6	82.7	82.7	82.9	82.8
5	77.6	78.0	78.0	78.4	78.7	78.6	78.8	78.8	79.0	78.8
10	72.6	73.0	73.1	73.4	73.8	73.7	73.8	73.8	74.0	73.9
15	67.7	68.1	68.1	68.5	68.8	68.7	68.9	68.9	69.0	68.9
20	62.8	63.1	63.2	63.5	63.9	63.8	63.9	63.9	64.1	63.9
25	57.8	58.2	58.3	58.6	58.9	58.9	59.0	59.0	59.2	59.0
30	52.9	53.3	53.4	53.7	54.0	53.9	54.1	54.1	54.3	54.1
35	48.1	48.4	48.5	48.8	49.1	49.1	49.2	49.2	49.4	49.3
40	43.3	43.6	43.7	44.0	44.3	44.2	44.4	44.4	44.6	44.5
45	38.7	38.9	39.0	39.3	39.6	39.5	39.6	39.6	39.8	39.7
50	34.2	34.4	34.5	34.8	35.0	34.9	35.0	35.0	35.1	35.1
55	29.7	30.0	30.0	30.4	30.5	30.5	30.5	30.5	30.6	30.5
60	25.5	25.7	25.7	26.0	26.2	26.1	26.2	26.1	26.2	26.2
65	21.3	21.6	21.6	21.9	22.0	21.9	22.0	21.9	22.0	21.9
70	17.4	17.6	17.6	17.9	18.1	18.0	18.0	18.0	18.0	17.9
75	13.7	13.9	13.9	14.2	14.4	14.2	14.3	14.3	14.3	14.3
80	10.4	10.6	10.6	10.8	10.9	10.8	11.0	11.0	11.1	11.1
85	7.6	7.7	7.6	7.8	7.8	7.7	7.8	7.8	7.9	7.8

Note: Population data from 2006-2009 are interpolated based on 2000 and 2010 Census counts. Population data for 2011-2015 are extrapolated from 2000 and 2010 US Census since the life tables are derived from complete life table which require single year of age population data. See Technical Notes: Population.

Table M26. Years of Potential Life Lost (YPLL) Before Age 75, Overall and by Sex and Selected Causes of Death, New York City, 2015

	All		Male		Female	
Cause of Death	YPLL	%	YPLL	%	YPLL	%
Total	437,428	100.0	266,236	100.0	171,192	100.0
Malignant Neoplasms	107,947	24.7	52,908	19.9	55,039	32.2
Trachea, bronchus, and lung	17,699	4.0	9,828	3.7	7,871	4.6
Breast	11,824	2.7	152	0.1	11,672	6.8
Colon, rectum, and anus	9,897	2.3	5,400	2.0	4,497	2.6
Liver & intrahepatic bile ducts	6,589	1.5	4,884	1.8	1,705	1.0
Leukemia	6,548	1.5	3,836	1.4	2,712	1.6
Heart Disease	74,977	17.1	50,508	19.0	24,469	14.3
Use of or Poisoning by Psychoactive Substance	31,834	7.3	24,043	9.0	7,791	4.6
Accidents Except Poisoning by Psychoactive Substance	18,279	4.2	13,337	5.0	4,942	2.9
Motor vehicle	6,751	1.5	4,601	1.7	2,150	1.3
Assault (Homicide)	15,759	3.6	13,872	5.2	1,887	1.1
Intentional Self-harm (Suicide)	15,542	3.6	10,379	3.9	5,163	3.0
Diabetes Mellitus	13,480	3.1	8,157	3.1	5,323	3.1
HIV Disease	10,231	2.3	6,788	2.5	3,443	2.0
Cerebrovascular Diseases	9,989	2.3	5,930	2.2	4,059	2.4
Chronic Liver Disease and Cirrhosis	9,122	2.1	6,546	2.5	2,576	1.5
Chronic Lower Respiratory Diseases	8,625	2.0	4,211	1.6	4,414	2.6
Influenza and Pneumonia	8,074	1.8	4,767	1.8	3,307	1.9
Mental and Behavioral Disorders Due to Use of Alcohol	5,225	1.2	3,887	1.5	1,338	0.8
Viral Hepatitis	3,761	0.9	2,718	1.0	1,043	0.6
All Other Causes	104,583	23.9	58,185	21.9	46,398	27.1

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

Table M27. Death Rates by Poverty Level Indicator, New York City, 2006 and 2015

Age-adjusted Death Rates	Low (<10%)			Medium (10 to <20%)			High (20 to <30%)			Very High (≥30%)		
	2015	2006	Chg 2006 to 2015 (%)	2015	2006	Chg 2006 to 2015 (%)	2015	2006	Chg 2006 to 2015 (%)	2015	2006	Chg 2006 to 2015 (%)
All Causes	461.6	546.2	-15.5%	503.1	613.7	-18.0%	557.0	696.1	-20.0%	658.9	815.9	-19.2%
Premature Deaths	111.7	137.7	-18.9%	138.8	182.4	-23.9%	178.6	236.2	-24.4%	245.1	323.1	-24.1%
10 Leading Causes												
Diseases of Heart	151.4	231.2	-34.5%	166.4	261.6	-36.4%	181.7	275.3	-34.0%	196.7	296.9	-33.7%
Malignant Neoplasms	119.7	139.7	-14.3%	121.1	141.5	-14.4%	127.0	146.0	-13.0%	149.5	163.8	-8.7%
Influenza and Pneumonia	16.1	26.5	-39.2%	20.4	28.7	-28.9%	21.8	36.8	-40.8%	28.4	36.3	-21.8%
Diabetes Mellitus	11.7	12.8	-8.6%	16.9	18.5	-8.6%	24.4	25.0	-2.4%	28.6	36.2	-21.0%
Cerebrovascular Diseases	15.4	16.7	-7.8%	18.6	17.2	8.1%	17.9	22.5	-20.4%	21.4	26.4	-18.9%
Chronic Lower Respiratory Diseases	16.7	13.8	21.0%	16.2	15.6	3.8%	17.9	17.4	2.9%	22.8	23.3	-2.1%
Essential Hypertension and Hypertensive Renal Diseases	9.0	6.4	40.6%	10.0	7.5	33.3%	13.7	10.3	33.0%	13.4	15.2	-11.8%
Alzheimers	9.7	3.4	185.3%	10.0	2.4	316.7%	10.2	2.5	308.0%	14.2	3.5	305.7%
Accidents Except Poisoning by Psychoactive Substances	10.1	9.7	4.1%	9.2	12.9	-28.7%	10.7	13.2	-18.9%	11.0	14.0	-21.4%
Use of or Poisoning by Psychoactive Substance	6.9	6.5	6.2%	7.7	7.3	5.5%	10.4	12.3	-15.4%	18.3	20.5	-10.7%

Note: The 2006 poverty level is based on 2005-2009 US Census Bureau American Community Survey and the 2015 poverty level is based on 2010-2015 US Census Bureau American Community Survey.

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M28. Top 10 Leading Causes of Death, New York City, 2015, 2014 and 2006

	2015		2014			2006		
Cause	Rank	Crude Death Rate	Rank	Crude Death Rate	Change to 2015 (%)	Rank	Crude Death Rate	Change to 2015 (%)
Diseases of Heart*	1	200.3	1	194.5	3.0%	1	271.9	-26.3%
Malignant Neoplasms	2	155.8	2	157.6	-1.1%	2	163.3	-4.6%
Influenza and Pneumonia	3	24.5	3	26.1	-6.1%	3	32.1	-23.7%
Diabetes Mellitus	4	21.7	5	21.2	2.4%	4	21.3	1.9%
Cerebrovascular Diseases	5	21.6	6	21.0	2.9%	5	20.8	3.8%
Chronic Lower Respiratory Diseases	6	20.6	4	21.5	-4.2%	6	17.2	19.8%
Essential Hypertension and Renal Diseases	7	12.9	8	11.7	10.3%	10	9.4	37.2%
Alzheimer's Disease	8	12.6	10	9.3	35.5%	19	3.1	306.5%
Accidents Except Drug Poisoning	9	12.4	7	12.1	2.5%	8	13.9	-10.8%
Use of or Poisoning by Psychoactive Substance†	10	12.3	9	10.5	17.1%	9	12.2	0.8%

*See the *2010 Summary of Vital Statistics: Mortality – Special Section: Cause of Death Quality Improvement Initiative* for information on the recent trends in cause of death reporting, particularly heart disease.

†Appendix B Technical Notes: Drug-Related Deaths.

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Table IM1. Infant Deaths by Cause, Sex, and Age, New York City, 2015

	Cause of Death (ICD-10 Codes)	Total	Male		Female	
			Neonatal (<28 Days)	Postneonatal (≥ 28 Days)	Neonatal (<28 Days)	Postneonatal (≥ 28 Days)
	Total	**526**	**189**	**103**	**153**	**81**
1	HIV Infection (B20-B24)*	0	-	-	-	-
2	Diseases of the Circulatory System (I00-I99)*	17	2	7	-	8
3	Influenza and Pneumonia (J10-J18)*	3	-	2	-	1
4	Newborn Affected by Maternal Complications of Pregnancy (P01)*	7	3	-	4	-
5	Newborn Affected by Complications of Placenta, Cord, and Membranes (P02)*	9	6	-	2	1
6	Short Gestation and Low Birthweight (P07)*	101	58	9	29	5
7	Intrauterine Hypoxia and Birth Asphyxia (P20-P21)*	7	4	-	3	-
8	Respiratory Distress of Newborn (P22)*	20	8	-	12	-
9	Pulmonary Hemorrhage Originating in the Perinatal Period (P26)*	8	4	-	4	-
10	Atelectasis (P28.0-P28.1)*	0	-	-	-	-
11	Other Respiratory Conditions Originating in the Perinatal Period (P23-P28)†	6	2	1	2	1
12	Cardiovascular Disorders Originating in the Perinatal Period (P29)†	58	26	1	30	1
13	Infections Specific to the Perinatal Period (P35-P39)†	12	6	-	6	-
	Bacterial sepsis of newborn (P36)	10	5	-	5	-
14	Neonatal Hemorrhage (P50-P52, P54)*	6	4	-	2	-
15	Necrotizing Enterocolitis of Newborn (P77)*	17	10	1	6	-
16	Remainder of Conditions Originating in the Perinatal Period (Rest of P00-P99)	24	14	1	7	2
17	Congenital Malformations, Deformations (Q00-Q99)*	101	28	15	37	21
	Congenital malformations of heart (Q20-Q24)	31	9	3	11	8
18	Sudden Infant Death Syndrome (R95)*	0	-	-	-	-
19	All Other Diseases (Rest of A00-R99)	69	8	34	5	22
20	External Causes (V01-Y89)†	61	6	32	4	19

*Causes are used to rank 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.

Table IM2. Live Births and Infant Deaths by Mother's Racial/Ethnic Group and Characteristics of Infant, New York City, 2015

Characteristics	Live Births					Infant Deaths																			
						Total					Early-neonatal (< 7 days)					Neonatal (< 28 days)					Post-neonatal (≥ 28 days)				
	Total	Hispanic	Non-H White	Non-H Black	Asian & P.I.	Total	Hispanic	Non-H White	Non-H Black	Asian & P.I.	Total	Hispanic	Non-H White	Non-H Black	Asian & P.I.	Total	Hispanic	Non-H White	Non-H Black	Asian & P.I.	Total	Hispanic	Non-H White	Non-H Black	Asian & P.I.
Total	121,673	35,555	40,607	23,116	20,535	526	165	110	186	54	242	82	54	75	24	342	114	75	112	33	184	51	35	74	21
Sex of Child																									
Male	62,455	18,108	21,002	11,744	10,667	292	92	58	98	34	140	44	29	47	14	189	60	38	63	21	103	32	20	35	13
Female	59,218	17,447	19,605	11,372	9,868	234	73	52	88	20	102	38	25	28	10	153	54	37	49	12	81	19	15	39	8
Birthweight at Delivery (Grams)																									
Low birthweight (<2,500)	10,035	2,847	2,506	2,761	1,731	358	115	64	134	38	203	71	43	64	19	271	94	53	91	27	87	21	11	43	11
Very low birthweight (<1,500)	1,694	514	336	606	210	285	93	47	110	28	177	61	35	59	16	227	78	40	82	21	58	15	7	28	7
2,500-4,000	103,932	30,297	34,952	19,152	17,993	128	40	30	39	16	31	10	8	7	5	56	18	15	16	6	72	22	15	23	10
Above 4,000	7,699	2,411	3,149	1,201	811	7	1	3	3	-	1	-	1	-	-	1	-	1	-	-	6	1	2	3	-
Not stated	7	-	-	2	-	2	-	-	2	-	2	-	-	2	-	2	-	-	2	-	-	-	-	-	-
Unmatched*	0	-	-	-	-	31	9	13	8	-	5	1	2	2	-	12	2	6	3	-	19	7	7	5	-
Gestational Age (Weeks)																									
Preterm (<37)	10,645	3,260	2,781	2,794	1,629	359	117	59	136	39	207	73	43	66	19	272	95	52	92	27	87	22	7	44	12
Very preterm (<32)	1,799	569	354	638	213	289	93	46	115	28	181	62	36	63	14	234	79	41	87	21	55	14	5	28	7
Full-term	111,019	32,295	37,825	20,319	18,906	135	39	38	41	15	29	8	9	6	5	57	17	17	16	6	78	22	21	25	9
Not stated	9	-	1	3	-	1	-	-	1	-	1	-	-	1	-	1	-	-	1	-	-	-	-	-	-
Unmatched*	0	-	-	-	-	31	9	13	8	-	5	1	2	2	-	12	2	6	3	-	19	7	7	5	-
Plurality																									
Singletons	117,221	34,506	38,821	22,178	19,939	420	130	78	162	43	189	64	37	63	20	267	89	51	99	23	153	41	27	63	20
Multiples	4,452	1,049	1,786	938	596	75	26	19	16	11	48	17	15	10	4	63	23	18	10	10	12	3	1	6	1
Unmatched*	0	-	-	-	-	31	9	13	8	-	5	1	2	2	-	12	2	6	3	-	19	7	7	5	-
Plurality unknown	0	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-	-	-	0	-	-	-	-

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

Table IM3. Infant Mortality Rate by Mother's Racial/Ethnic Group and Characteristics of Infant, New York City, 2015

Characteristics	Total					Early-neonatal (< 7 days)					Neonatal (< 28 days)					Post-neonatal (≥ 28 days)				
	Total	Hispanic	Non-H White	Non-H Black	Asian & P.I.	Total	Hispanic	Non-H White	Non-H Black	Asian & P.I.	Total	Hispanic	Non-H White	Non-H Black	Asian & P.I.	Total	Hispanic	Non-H White	Non-H Black	Asian & P.I.
Total	4.3	4.6	2.7	8.0	2.6	2.0	2.3	1.3	3.2	1.2	2.8	3.2	1.8	4.8	1.6	1.5	1.4	0.9	3.2	1.0
Sex of Child																				
Male	4.7	5.1	2.8	8.3	3.2	2.2	2.4	1.4	4.0	1.3	3.0	3.3	1.8	5.4	2.0	1.6	1.8	1.0	3.0	1.2
Female	4.0	4.2	2.7	7.7	2.0	1.7	2.2	1.3	2.5	1.0	2.6	3.1	1.9	4.3	1.2	1.4	1.1	0.8	3.4	0.8
Birthweight at Delivery (Grams)																				
Low birthweight (<2,500)	35.7	40.4	25.5	48.5	22.0	20.2	24.9	17.2	23.2	11.0	27.0	33.0	21.1	33.0	15.6	8.7	7.4	4.4	15.6	6.4
Very low birthweight (<1,500)	168.2	180.9	139.9	181.5	133.3	104.5	118.7	104.2	97.4	76.2	134.0	151.8	119.0	135.3	100.0	34.2	29.2	20.8	46.2	33.3
2,500-4,000	1.2	1.3	0.9	2.0	0.9	0.3	0.3	0.2	0.4	0.3	0.5	0.6	0.4	0.8	0.3	0.7	0.7	0.4	1.2	0.6
Above 4,000	0.9	0.4	1.0	2.5	-	0.1	-	0.3	-	-	0.1	-	0.3	-	-	0.8	-	0.6	2.5	-
Gestational Age (Weeks)																				
Preterm (<37)	33.7	35.9	21.2	48.7	23.9	19.4	22.4	15.5	23.6	11.7	25.6	29.1	18.7	32.9	16.6	8.2	6.7	2.5	15.7	7.4
Very preterm (<32)	160.6	163.4	129.9	180.3	131.5	100.6	109.0	101.7	98.7	65.7	130.1	138.8	115.8	136.4	98.6	30.6	24.6	14.1	43.9	32.9
Full-term	1.2	1.2	1.0	2.0	0.8	0.3	0.2	0.2	0.3	0.3	0.5	0.5	0.4	0.8	0.3	0.7	0.7	0.6	1.2	0.5
Plurality																				
Singletons	3.6	3.8	2.0	7.3	2.2	1.6	1.9	1.0	2.8	1.0	2.3	2.6	1.3	4.5	1.2	1.3	1.2	0.7	2.8	1.0
Multiples	16.8	24.8	10.6	17.1	18.5	10.8	16.2	8.4	10.7	6.7	14.2	21.9	10.1	10.7	16.8	2.7	2.9	0.6	6.4	1.7

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Table IM4. Live Births and Infant Mortality, Overall and by Mother's Racial/Ethnic Group, New York City, 2011–2015

Mother's Ethnic Group	2011	2012	2013	2014	2015
Live Births, Total	**123,029**	**123,231**	**120,457**	**122,084**	**121,673**
Puerto Rican	8,988	8,673	7,960	7,897	7,561
Other Hispanic	28,643	27,969	27,621	27,753	27,994
Asian and Pacific Islander	19,399	21,149	19,767	20,746	20,535
Non-Hispanic White	38,573	39,112	39,573	40,443	40,607
Non-Hispanic Black	25,825	24,758	24,108	23,680	23,116
Other or Unknown	1,601	1,570	1,428	1,565	1,860
Infant Deaths (< 1 year), Total	577	583	551	516	526
Puerto Rican	61	57	38	60	46
Other Hispanic	124	133	120	113	119
Asian and Pacific Islander	57	70	62	53	54
Non-Hispanic White	118	104	117	107	110
Non-Hispanic Black	210	211	201	177	186
Other or Unknown	7	8	13	6	11
Infant Mortality Rate, Total	4.7	4.7	4.6	4.2	4.3
Puerto Rican	6.8	6.6	4.8	7.6	6.1
Other Hispanic	4.3	4.8	4.3	4.1	4.3
Asian and Pacific Islander	2.9	3.3	3.1	2.6	2.6
Non-Hispanic White	3.1	2.7	3.0	2.6	2.7
Non-Hispanic Black	8.1	8.5	8.3	7.5	8.0
Neonatal Deaths (< 28 days), Total	378	383	377	326	342
Puerto Rican	42	42	28	40	34
Other Hispanic	79	90	72	66	80
Asian and Pacific Islander	34	45	50	37	33
Non-Hispanic White	82	67	85	75	75
Non-Hispanic Black	136	135	132	103	112
Neonatal Mortality Rate, Total	3.1	3.1	3.1	2.7	2.8
Puerto Rican	4.7	4.8	3.5	5.1	4.5
Other Hispanic	2.8	3.2	2.6	2.4	2.9
Asian and Pacific Islander	1.8	2.1	2.5	1.8	1.6
Non-Hispanic White	2.1	1.7	2.1	1.9	1.8
Non-Hispanic Black	5.3	5.5	5.5	4.3	4.8

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Table IM5. Infant Mortality Rate by Mother's Birthplace*†, New York City, 2009–2015

Birthplace†	2009-2011	2010-2012	2011-2013	2012-2014	2013-2015
Total, New York City	**4.9**	**4.8**	**4.7**	**4.5**	**4.4**
Haiti	4.9	5.4	6.0	6.2	7.4
Trinidad and Tobago	3.4	6.1	5.3	7.3	6.7
Jamaica	5.6	7.0	6.7	7.9	6.1
Pakistan	5.6	6.1	5.6	5.2	5.5
El Salvador	3.4	3.0	3.2	4.2	5.0
Korea	0.7	1.1	3.4	3.6	5.0
Puerto Rico‡	8.5	8.4	6.5	5.3	4.8
Guyana	6.6	6.7	6.2	4.9	4.8
United States‡	5.7	5.2	5.0	4.8	4.8
Honduras	7.4	8.3	7.2	6.8	4.4
Dominican Republic	4.0	3.8	4.0	4.4	4.1
Canada	2.1	2.0	3.6	3.0	4.1
Ecuador	3.2	3.7	3.2	3.2	3.7
Bangladesh	4.6	4.1	4.1	3.5	3.6
Egypt	1.3	1.7	1.5	2.8	3.5
Colombia	2.8	2.9	3.8	3.0	3.4
Ghana	4.3	4.0	3.9	2.9	3.3
India	2.4	5.2	5.8	6.1	3.2
Nigeria	8.1	7.1	7.4	4.5	2.8
Mexico	3.4	4.0	4.2	3.7	2.8
Yemen Arab Republic	6.3	8.5	6.6	3.7	2.7
Israel	0.6	0.3	0.7	2.2	2.6
Guatemala	6.4	6.4	3.6	1.6	2.0
Japan	1.3	1.3	2.0	1.3	2.0
Philippines	3.4	3.9	1.7	2.3	1.9
Uzbekistan	1.5	1.4	2.0	1.7	1.8
China	2.1	1.7	1.4	1.5	1.5
Poland	0.7	1.6	2.1	1.8	1.4
United Kingdom	1.2	1.8	1.2	1.3	1.3
Russia	2.8	2.0	1.4	1.3	1.0
Ukraine	1.2	0.8	0.4	-	0.4

*The infant mortality rate is listed only for countries with 500 or more live births in any year from 2009-2015.

†Foreign countries are listed according to the descending order of infant mortality rates in the most current period.

‡See Technical Notes: Geographical Units, Birthplace Presentation.

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Table IM6. Infant and Neonatal Mortality Rates by Community District of Residence, New York City, 2011–2015

Community District		2011–2013*		2012–2014*		2013–2015*	
		Infant Mortality Rate	Neonatal† Mortality Rate	Infant Mortality Rate	Neonatal† Mortality Rate	Infant Mortality Rate	Neonatal† Mortality Rate
	NEW YORK CITY	**4.7**	**3.1**	**4.5**	**3.0**	**4.4**	**2.9**
	MANHATTAN	**3.4**	**2.3**	**3.1**	**2.1**	**3.4**	**2.3**
101	Battery Park, Tribeca	1.5	1.2	2.0	1.4	3.2	2.6
102	Greenwich Village, SOHO	2.0	2.0	0.8	0.8	0.9	0.9
103	Lower East Side	2.4	1.0	2.1	1.5	3.0	1.6
104	Chelsea, Clinton	4.9	3.9	5.1	3.4	4.0	3.3
105	Midtown Business District	4.5	2.2	5.2	2.9	2.3	1.2
106	Murray Hill	2.1	1.0	1.0	0.8	2.1	1.6
107	Upper West Side	2.2	1.6	2.8	1.9	2.6	1.7
108	Upper East Side	1.0	0.8	0.8	0.4	0.8	0.4
109	Manhattanville	4.7	3.6	4.1	3.5	4.5	3.3
110	Central Harlem	8.1	5.7	6.7	4.1	7.2	4.6
111	East Harlem	6.0	4.5	5.7	4.2	5.9	4.2
112	Washington Heights	3.6	1.7	3.5	2.1	4.3	3.0
	BRONX	**5.7**	**3.7**	**5.5**	**3.6**	**5.4**	**3.5**
201	Mott Haven	6.6	3.7	6.4	3.3	5.1	2.3
202	Hunts Point	7.8	3.7	6.0	3.0	4.2	2.3
203	Morrisania	7.7	4.9	5.4	3.7	6.4	4.3
204	Concourse, Highbridge	5.5	3.3	4.7	2.9	3.8	2.2
205	University/Morris Heights	5.4	3.6	4.8	3.2	5.4	3.7
206	East Tremont	8.7	5.9	8.7	6.5	5.8	4.3
207	Fordham	3.9	2.9	4.2	2.7	3.6	2.4
208	Riverdale	4.1	1.7	4.1	2.3	4.4	2.6
209	Unionport, Soundview	4.4	2.7	5.0	3.1	6.0	3.7
210	Throgs Neck	3.1	2.1	2.8	2.1	4.3	3.7
211	Pelham Parkway	5.0	4.3	6.9	4.9	8.1	5.6
212	Williamsbridge	7.8	5.3	8.4	5.7	7.7	5.4
	BROOKLYN	**3.9**	**2.5**	**3.8**	**2.4**	**3.6**	**2.3**
301	Williamsburg, Greenpoint	2.4	1.4	2.3	1.5	2.4	1.0
302	Fort Greene, Brooklyn Heights	2.7	1.9	2.2	1.2	2.8	2.0
303	Bedford Stuyvesant	5.0	3.2	5.3	3.5	5.7	3.3
304	Bushwick	5.0	2.3	5.3	2.5	3.8	1.1
305	East New York	7.8	4.9	7.4	4.3	6.2	3.7
306	Park Slope	2.2	1.3	2.5	1.3	1.8	0.9
307	Sunset Park	1.6	1.5	1.8	1.5	2.0	1.6
308	Crown Heights North	7.1	3.9	8.5	4.8	5.4	3.6
309	Crown Heights South	2.8	1.3	2.8	1.5	3.5	2.2
310	Bay Ridge	2.5	1.6	2.0	1.4	0.9	0.7
311	Bensonhurst	3.9	2.5	3.5	2.7	3.7	3.1
312	Borough Park	1.8	1.3	1.9	1.0	2.2	1.6
313	Coney Island	5.5	3.6	5.7	3.2	5.6	3.7
314	Flatbush, Midwood	4.0	3.3	3.8	2.9	4.1	2.9
315	Sheepshead Bay	2.6	1.4	2.5	1.2	2.9	1.7
316	Brownsville	8.0	5.2	6.1	3.4	4.9	3.2
317	East Flatbush	6.1	4.5	7.0	4.7	7.1	4.0
318	Canarsie	5.6	3.5	5.1	3.1	4.3	2.6
	QUEENS	**4.7**	**3.2**	**4.4**	**3.1**	**4.0**	**2.8**
401	Astoria, Long Island City	4.5	3.3	4.3	3.5	4.3	3.3
402	Sunnyside, Woodside	4.6	3.6	4.5	3.1	4.0	2.6
403	Jackson Heights	3.3	2.2	4.5	2.9	4.2	2.7
404	Elmhurst, Corona	4.9	3.0	4.3	2.8	3.7	2.7
405	Ridgewood, Glendale	3.4	2.4	2.3	1.6	1.8	1.2
406	Rego Park, Forest Hills	3.0	2.2	3.2	1.9	3.1	1.7
407	Flushing	2.9	2.0	3.1	2.3	2.6	1.7
408	Fresh Meadows, Briarwood	3.6	2.5	3.0	2.2	2.8	2.0
409	Woodhaven	2.7	1.6	3.2	2.3	4.1	2.7
410	Howard Beach	5.5	4.2	5.8	4.8	4.8	4.0
411	Bayside	2.9	2.4	1.9	1.5	3.4	2.0
412	Jamaica, St. Albans	9.0	5.8	7.5	4.5	6.2	3.7
413	Queens Village	7.2	5.4	5.9	4.6	5.7	4.0
414	The Rockaways	6.5	4.6	6.4	4.8	6.3	5.5
	STATEN ISLAND	**4.7**	**3.1**	**4.7**	**3.2**	**4.5**	**2.8**
501	Port Richmond	6.1	3.6	7.2	4.5	6.9	3.9
502	Willowbrook, South Beach	4.2	3.3	2.7	2.2	2.9	2.2
503	Tottenville	2.9	2.0	2.6	2.0	2.4	1.8

*Due to instability in the infant mortality rates by community district, rates are presented in rolling three-year averages.
†Neonatal infants are those less than 28 days old.

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Table IM7. Live Births and Infant Mortality Rate by Characteristics of Mother and Infant, New York City, 2015

Characteristics	Live Births		Infant Mortality Rate (IMR) per 1,000 Live Births					
			All		Neonatal*		Postneonatal*	
	Number	Percent	Deaths	Rate	Deaths	Rate	Deaths	Rate
Total	**121,673**	**100.0**	**526**	**4.3**	**342**	**2.8**	**184**	**1.5**
Race/Ethnicity								
Puerto Rican	7,561	6.2	46	6.1	34	4.5	12	1.6
Other Hispanic	27,994	23.0	119	4.3	80	2.9	39	1.4
Asian and Pacific Islander	20,535	16.9	54	2.6	33	1.6	21	1.0
Non-Hispanic White	40,607	33.4	110	2.7	75	1.8	35	0.9
Non-Hispanic Black	23,116	19.0	186	8.0	112	4.8	74	3.2
Other and Unknown	1,860	1.5	11	-	8	-	3	-
Borough of Residence								
Manhattan	17,766	14.6	66	3.7	43	2.4	23	1.3
Bronx	19,887	16.3	102	5.1	71	3.6	31	1.6
Brooklyn	40,982	33.7	149	3.6	93	2.3	56	1.4
Queens	26,848	22.1	112	4.2	76	2.8	36	1.3
Staten Island	5,261	4.3	20	3.8	12	2.3	8	1.5
Non-NYC residents	10,919	9.0	77	7.1	47	4.3	30	2.7
Unknown	10	-	-	-	-	-	-	-
Age of Mother								
Age < 18	1,140	0.9	6	5.3	5	4.4	1	0.9
Age 18-19	2,933	2.4	21	7.2	17	5.8	4	1.4
Age 20-29	50,402	41.4	217	4.3	125	2.5	92	1.8
Age 30-39	60,250	49.5	212	3.5	154	2.6	58	1.0
Age ≥ 40	6,947	5.7	39	5.6	29	4.2	10	1.4
Age unknown	1	-	-	-	-	-	-	-
Unmatched†	-	-	31	-	12	-	19	-
Mother's Education								
11th grade or less/12th grade, no diploma	22,127	18.2	113	5.1	69	3.1	44	2.0
High school graduate or GED	26,625	21.9	134	5.0	91	3.4	43	1.6
Some college/associate degree	26,806	22.0	117	4.4	73	2.7	44	1.6
Bachelor's degree	25,249	20.8	78	3.1	56	2.2	22	0.9
Master's degree or higher	20,472	16.8	43	2.1	33	1.6	10	0.5
Mother's education unknown	394	0.3	10	-	8	-	2	-
Unmatched†	-	-	31	-	12	-	19	-
Marital Status of Mother‡								
Not married	47,229	38.8	282	6.0	179	3.8	103	2.2
Married	74,444	61.2	213	2.9	151	2.0	62	0.8
Unmatched†	-	-	31	-	12	-	19	-
Mother's Birthplace§								
US born, including territories	59,170	48.6	276	4.7	183	3.1	93	1.6
Foreign born	62,463	51.3	218	3.5	146	2.3	72	1.2
Birthplace unknown	40	-	1	-	1	-	-	-
Unmatched†	-	-	31	-	12	-	19	-
Primary Payer for This Birth								
Medicaid/Family Plus/Child PlusB/other govt	72,178	59.3	331	4.6	207	2.9	124	1.7
Other	49,259	40.5	160	3.2	120	2.4	40	0.8
Coverage unknown	236	0.2	4	-	3	-	1	-
Unmatched†	-	-	31	-	12	-	19	-
Plurality								
Singletons	117,221	96.3	420	3.6	267	2.3	153	1.3
Multiples	4,452	3.7	75	16.8	63	14.2	12	2.7
Unmatched†	-	-	31	-	12	-	19	-
First Prenatal Care Visit								
No prenatal care	553	0.5	19	34.4	18	32.5	1	1.8
First trimester (1-3 months)	89,696	73.7	320	3.6	208	2.3	112	1.2
Second trimester (4-6 months)	21,636	17.8	107	4.9	69	3.2	38	1.8
Late (7-9 months)	7,497	6.2	25	3.3	14	1.9	11	1.5
Prenatal care unknown	2,291	1.9	24	-	21	-	3	-
Unmatched†	-	-	31	-	12	-	19	-
Pre-pregnancy Body Mass Index (BMI)								
Underweight (BMI < 18.5)	6,738	5.5	27	4.0	14	2.1	13	1.9
Normal weight (18.5 ≤ BMI < 25)	64,729	53.2	203	3.1	136	2.1	67	1.0
Overweight (25 ≤ BMI < 30)	29,102	23.9	128	4.4	87	3.0	41	1.4
Obese (BMI ≥ 30)	20,551	16.9	123	6.0	81	3.9	42	2.0
Pre-pregnancy BMI unknown	553	0.5	14	-	12	-	2	-
Unmatched†	-	-	31	-	12	-	19	-
Birthweight								
Very low birthweight	1,694	1.4	285	168.2	227	134.0	58	34.2
Low birthweight	8,341	6.9	73	8.8	44	5.3	29	3.5
Normal birthweight	111,631	92	135	1.2	57	0.5	78	0.7
Birthweight unknown	7	-	2	-	2	-	-	-
Unmatched†	-	-	31	-	12	-	19	-

*Neonatal infants are those less than 28 days old; postneonatal infants are those 28 days to less than 1 year old.

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

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

§See Technical Notes: Geographical Units, Birthplace Presentation.

PREGNANCY OUTCOMES

Table PO1. Live Births by Borough of Birth* and Institution, New York City, 2015

Borough and Institution	Births
Manhattan	
Allen Pavilion	2,192
Bellevue Hospital Center	1,447
Beth Israel Medical Center	3,676
Columbia Presbyterian Medical Center	4,536
Harlem Hospital Center	869
Lenox Hill Hospital	4,307
Metropolitan Hospital Center	958
Mount Sinai Hospital	7,693
New York University Downtown Hospital	2,432
New York Weill Cornell Medical Center	5,393
NYU Hospital Center - Tisch Hospital	5,942
St. Luke's - Roosevelt Hospital/Roosevelt Division	5,856
Home†	128
Places other than a hospital or home‡	21
Bronx	
Bronx Lebanon Hospital	2,233
Jack D. Weiler Hospital of Albert Einstein College of Medicine	4,199
Jacobi Medical Center	1,965
Lincoln Medical and Mental Health Center	2,144
Montefiore Medical Center (Henry & Lucy Moses Division)	5
Montefiore Medical Center, North Division	2,521
North Central Bronx Hospital	1,103
St. Barnabas Hospital	1,002
Home†	90
Places other than a hospital or home‡	15
Brooklyn	
Brookdale University Hospital and Medical Center	1,090
Brooklyn Birthing Center	114
Brooklyn Hospital Center	2,180
Coney Island Hospital	1,238
Interfaith Medical Center	1
Kings County Hospital Center	2,241
Kingsbrook Jewish Medical Center	1
Lutheran Medical Center	4,075
Maimonides Medical Center	8,577
New York Methodist Hospital	5,731
University Hospital of Brooklyn	1,357
Woodhull Medical and Mental Health Center	1,724
Wyckoff Heights Medical Center	1,340
Home†	400
Places other than a hospital or home‡	45
Queens	
Elmhurst Hospital Center	3,047
Flushing Hospital Medical Center	2,838
Forest Hills Hospital	1,834
Jamaica Hospital Medical Center	2,351
Long Island Jewish Medical Center	8,199
New York Hospital Medical Center of Queens	4,342
Queens Hospital Center	1,608
St. Johns Episcopal Hospital South Shore	684
Home†	122
Places other than a hospital or home‡	16
Staten Island	
St. Vincent's Staten Island Hospital	2,860
Staten Island University Hospital	2,911
Staten Island University Hospital, South Site	1
Home†	13
Places other than a hospital or home‡	5
Unknown§	1
New York City Total	121,673

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

† See Technical Notes: Geographical Units, Birthplace Presentation.

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

§ 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, 2015

Ancestry of Mother	Total	Borough of Residence						
		Manhattan	Bronx	Brooklyn	Queens	Staten Island	Non-Residents	Residence Unknown
Total	121,673	17,766	19,887	40,982	26,848	5,261	10,919	10
Hispanic								
Colombian	1,180	98	59	121	746	37	119	-
Cuban	303	66	66	55	56	20	40	-
Dominican	11,255	2,101	5,403	1,638	1,550	127	436	-
Ecuadorian	3,270	173	426	564	1,956	54	97	-
Mexican	6,158	552	1,456	1,857	1,741	431	121	-
Puerto Rican	7,561	903	3,147	1,625	986	514	386	-
Other Hispanic	5,828	699	1,300	1,355	1,811	180	481	2
North American and the Caribbean								
African American	12,986	1,292	3,265	5,448	1,860	434	687	-
American	13,154	2,833	373	5,736	1,470	983	1,759	-
Guyanese	1,645	19	125	520	900	6	75	-
Haitian	1,753	54	62	1,087	386	10	153	1
Jamaican	1,909	39	404	768	519	19	160	-
Trinidadian	797	19	30	365	314	14	54	1
Other North American and the Caribbean	1,609	218	215	776	254	27	119	-
European								
English	1,100	483	12	369	85	5	146	-
German	815	275	23	240	103	28	146	-
Irish	1,707	441	58	382	257	150	419	-
Italian	3,344	534	135	691	433	764	787	-
Polish	1,034	154	25	280	381	53	141	-
Russian	1,757	288	30	741	422	100	176	-
Other European	4,764	940	273	1,862	817	322	550	-
Asian								
Asian Indian	2,200	422	71	231	882	60	534	-
Bangladeshi	2,658	51	497	579	1,474	8	49	-
Chinese	9,053	1,155	80	3,916	3,217	150	535	-
Filipino	900	134	47	135	409	48	127	-
Korean	1,080	350	14	151	397	17	151	-
Pakistani	1,646	75	82	739	502	83	165	-
Other Asian	6,095	915	374	2,422	1,653	247	484	-
Other								
Jewish or Hebrew	5,394	500	48	4,085	133	61	567	-
Other or not stated	8,718	1,983	1,787	2,244	1,134	309	1,255	6

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, 2015

Ethnic Group	Total	Age of Mother (Years)							
		<18	18-19	20-24	25-29	30-34	35-39	≥40	Not stated
Total	121,673	1,140	2,933	19,481	30,921	36,808	23,442	6,947	1
Puerto Rican	7,561	192	478	1,934	2,094	1,675	955	233	-
Other Hispanic	27,994	543	1,169	5,876	7,788	7,074	4,297	1,247	-
Asian and Pacific Islander	20,535	16	100	2,108	5,988	7,082	4,137	1,104	-
Non-Hispanic white	40,607	62	364	4,933	8,417	14,295	9,656	2,880	-
Non-Hispanic black	23,116	313	775	4,371	6,170	6,115	4,007	1,365	-
Non-Hispanic other	418	4	12	78	116	118	68	22	-
Non-Hispanic of two or more races	1,363	9	33	165	324	432	307	93	-
Not stated	79	1	2	16	24	17	15	3	1

PREGNANCY OUTCOMES

Table PO4. Selected Characteristics of Live Births, Overall and by Age of Mother, New York City, 2015

	Total	Age of Mother (Years)						
		<18	18-19	20-24	25-29	30-34	35-39	≥40
Total Live Births	121,673	1,140	2,933	19,481	30,921	36,808	23,442	6,947
Sex								
Male	62,455	604	1,516	10,014	15,898	18,976	11,964	3,482
Female	59,218	536	1,417	9,467	15,023	17,832	11,478	3,465
First Live Birth								
Yes	53,247	1,076	2,429	11,815	13,498	14,939	7,359	2,131
No	68,400	64	503	7,664	17,416	21,861	16,076	4,816
Unknown	26	-	1	2	7	8	7	-
Pre-pregnancy Body Mass Index (BMI)								
Underweight (BMI < 18.5)	6,738	83	256	1,395	2,006	1,780	976	242
Normal weight (18.5 ≤ BMI < 25)	64,729	644	1,543	10,155	15,800	20,402	12,698	3,487
Overweight (25 ≤ BMI < 30)	29,102	254	695	4,583	7,542	8,588	5,627	1,813
Obese (BMI ≥ 30)	20,551	145	417	3,228	5,427	5,892	4,068	1,374
Unknown	553	14	22	120	146	146	73	31
Birthweight at Delivery (Grams)								
<1500	1,694	17	54	254	418	456	363	132
1500-2499	8,341	105	253	1,349	1,868	2,380	1,667	719
2500-3999	103,792	981	2,528	16,960	26,726	31,408	19,591	5,598
≥4000	7,839	37	98	916	1,908	2,564	1,818	498
Not stated	7	-	-	2	1	-	3	-
Gestational Age (Weeks)*								
<32	1,799	21	55	271	452	490	367	143
32-36	8,846	99	231	1,234	1,931	2,606	1,959	786
≥37	111,019	1,019	2,647	17,975	28,537	33,711	21,112	6,018
Unknown	9	1	-	1	1	1	4	-
Plurality								
Single	117,221	1,132	2,870	18,976	30,041	35,412	22,328	6,461
Twin	4,332	8	63	502	840	1,359	1,091	469
Triplet	111	-	-	3	36	37	23	12
Quadruplet	4	-	-	-	4	-	-	-
Quintuplet	5	-	-	-	-	-	-	5
Apgar Score at 5 Minutes								
≤6	966	10	36	161	228	253	204	74
7	1,009	13	31	174	263	273	181	74
8	5,452	53	152	773	1,308	1,618	1,138	410
9	113,172	1,053	2,690	18,217	28,857	34,314	21,708	6,333
10	743	4	11	103	166	262	159	38
Not stated	331	7	13	53	99	88	52	18
Method of Delivery								
Vaginal	78,747	954	2,317	14,597	21,054	23,184	13,323	3,318
Vaginal after any prior C-section	2,878	1	15	328	791	943	641	159
Primary C-section	23,851	178	537	3,326	5,472	7,261	5,019	2,058
Repeat C-section	16,192	7	64	1,230	3,603	5,419	4,457	1,412
Unknown	5	-	-	-	1	1	2	-
Place of Birth								
Home	740	6	9	74	168	276	162	45
Voluntary hospital	102,359	777	2,121	15,317	25,420	31,979	20,626	6,119
Municipal hospital	18,344	355	802	4,058	5,269	4,457	2,625	778
Birthing center	127	1	1	13	33	61	15	3
Other	103	1	-	19	31	35	14	2
Attendant								
Physician	109,508	916	2,467	16,699	27,485	33,742	21,674	6,525
Certified nurse midwife	11,521	217	449	2,669	3,255	2,883	1,655	393
Other	644	7	17	113	181	183	113	29
Primary Payer for this Birth†								
Medicaid/Family Plus/Child Health Plus B/Other govt	72,178	1,042	2,648	16,586	22,175	17,410	9,451	2,866
Private	47,530	64	211	2,547	8,208	18,880	13,641	3,979
Self-pay	1,113	24	43	197	282	274	225	68
Other	616	4	18	98	204	181	85	26
Not stated	236	6	13	53	52	63	40	8
First Visit for Prenatal Care								
First trimester (1-3 months)	89,696	482	1,566	12,587	22,301	28,823	18,568	5,369
Second trimester (4-6 months)	21,636	377	871	4,650	5,773	5,440	3,385	1,140
Late (7-9 months)	7,497	199	338	1,560	2,111	1,913	1,077	299
No care	553	26	31	144	137	113	88	14
Not stated	2,291	56	127	540	599	519	324	125
Marital Status of Mother‡								
Not married	47,229	1,082	2,452	11,601	13,497	10,232	6,212	2,152
Married	74,444	58	481	7,880	17,424	26,576	17,230	4,795
Education Level								
11th grade or less/12th grade no diploma	22,127	1,036	1,485	4,922	5,745	4,980	2,956	1,003
High school graduate or GED	26,625	89	1,030	7,214	7,875	5,859	3,455	1,103
Some college/associate degree	26,806	9	394	5,652	8,513	7,027	4,055	1,156
Bachelor's degree	25,249	-	9	1,277	5,784	10,107	6,325	1,747
Master's degree or higher	20,472	-	-	321	2,910	8,757	6,574	1,910
Not stated	394	6	15	95	94	78	77	28
Birthplace of Mother§								
United States, including its territories	59,170	806	1,969	11,381	13,653	17,231	11,078	3,051
Foreign	62,463	334	962	8,090	17,262	19,565	12,358	3,892
Not stated	40	-	2	10	6	12	6	4

*See Technical Notes: Births, Gestational Age.
†See Technical Notes: Births, Birth Reporting.
‡See Technical Notes: Births, Mother's Marital Status.
§See Technical Notes: Geographical Units, Birthplace Presentation.

PREGNANCY OUTCOMES

Table PO5. Selected Characteristics of Live Births by Mother's Ethnic Group, New York City, 2015

	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	121,673	7,561	27,994	20,535	40,607	23,116	418	1,363	79
Sex									
Male	62,455	3,911	14,197	10,667	21,002	11,744	208	691	35
Female	59,218	3,650	13,797	9,868	19,605	11,372	210	672	44
First Live Birth									
Yes	53,247	3,150	10,845	9,945	18,792	9,657	172	655	31
No	68,400	4,410	17,141	10,589	21,811	13,456	246	708	39
Unknown	26	1	8	1	4	3	-	-	9
Pre-pregnancy Body Mass Index (BMI)									
Underweight (BMI < 18.5)	6,738	285	803	2,367	2,406	764	36	71	6
Normal weight (18.5 ≤ BMI < 25)	64,729	2,809	12,627	13,376	26,567	8,346	213	778	13
Overweight (25 ≤ BMI < 30)	29,102	2,052	8,680	3,515	7,561	6,881	111	297	5
Obese (BMI ≥ 30)	20,551	2,377	5,708	1,251	3,985	6,949	56	215	10
Unknown	553	38	176	26	88	176	2	2	45
Birthweight at Delivery (Grams)									
< 1500	1,694	153	361	210	336	606	6	20	2
1500-2499	8,341	631	1,702	1,521	2,170	2,155	40	116	6
2500-3999	103,792	6,271	23,982	17,978	34,896	19,130	340	1,134	61
≥ 4000	7,839	506	1,949	826	3,205	1,223	32	93	5
Not stated	7	-	-	-	-	2	-	-	5
Gestational Age (Weeks)†									
< 32	1,799	179	390	213	354	638	5	18	2
32-36	8,846	721	1,970	1,416	2,427	2,156	41	108	7
≥ 37	111,019	6,661	25,634	18,906	37,825	20,319	372	1,237	65
Unknown	9	-	-	-	1	3	-	-	5
Plurality									
Single	117,221	7,271	27,235	19,939	38,821	22,178	408	1,292	77
Twin	4,332	287	743	577	1,730	913	10	70	2
Triplet	111	3	11	19	52	25	-	1	-
Quadruplet	4	-	-	-	4	-	-	-	-
Quintuplet	5	-	5	-	-	-	-	-	-
Apgar Score at 5 Minutes									
≤ 6	966	81	201	92	216	360	2	12	2
7	1,009	86	201	120	264	317	4	17	-
8	5,452	389	1,163	773	1,531	1,499	19	75	3
9	113,172	6,940	26,208	19,412	38,160	20,755	389	1,242	66
10	743	36	155	103	347	85	3	13	1
Not stated	331	29	66	35	89	100	1	4	7
Method of Delivery									
Vaginal	78,747	4,760	17,872	13,067	28,143	13,702	254	889	60
Vaginal after any prior C-section	2,878	150	689	380	1,120	501	8	30	-
Primary C-section	23,851	1,563	4,916	4,121	7,429	5,425	98	291	8
Repeat C-section	16,192	1,088	4,517	2,967	3,913	3,487	58	153	9
Unknown	5	-	-	-	2	1	-	-	2
Place of Birth									
Home	740	32	94	48	407	132	3	18	6
Voluntary hospital	102,359	6,137	20,870	18,246	38,785	16,760	294	1,229	38
Municipal hospital	18,344	1,384	7,003	2,222	1,290	6,179	121	112	33
Birthing center	127	7	14	6	76	21	-	2	1
Other	103	1	13	13	49	24	-	2	1
Attendant									
Physician	109,508	6,686	24,534	19,408	36,712	20,483	386	1,249	50
Certified nurse midwife	11,521	822	3,303	1,055	3,747	2,435	29	105	25
Other	644	53	157	72	148	198	3	9	4
Primary Payer for this Birth‡									
Medicaid/Family Plus/Child Health Plus B/Other govt	72,178	5,361	22,538	12,367	14,731	16,201	301	625	54
Private	47,530	2,057	5,110	7,899	25,516	6,134	99	698	17
Self-pay	1,113	73	181	180	166	490	11	12	-
Other	616	57	90	67	152	217	6	27	-
Not stated	236	13	75	22	42	74	1	1	8
First Visit for Prenatal Care									
First trimester (1-3 months)	89,696	5,108	19,109	16,023	33,799	14,276	258	1,089	34
Second trimester (4-6 months)	21,636	1,729	6,286	3,232	4,951	5,168	97	158	15
Late (7-9 months)	7,497	457	1,866	1,084	1,209	2,743	48	79	11
No care	553	75	143	50	58	213	2	7	5
Not stated	2,291	192	590	146	590	716	13	30	14
Marital Status of Mother§									
Not married	47,229	5,723	17,426	3,328	4,842	15,235	180	440	55
Married	74,444	1,838	10,568	17,207	35,765	7,881	238	923	24
Education Level									
11th grade or less/12th grade, no diploma	22,127	2,012	9,483	3,691	2,867	3,870	74	123	7
High school graduate or GED	26,625	1,926	6,644	4,044	7,491	6,143	139	234	4
Some college/associate degree	26,806	2,473	7,138	3,592	5,634	7,553	114	297	5
Bachelor's degree	25,249	756	3,112	5,240	12,119	3,547	61	409	5
Master's degree or higher	20,472	382	1,525	3,954	12,379	1,901	29	298	4
Not stated	394	12	92	14	117	102	1	2	54
Birthplace of Mother									
United States, including its territories	59,170	7,525	7,893	2,329	27,735	12,670	143	825	50
Foreign	62,463	36	20,095	18,201	12,864	10,436	275	536	20
Not stated	40	-	6	5	8	10	-	2	9

* See Technical Notes: Demographic Characteristics of Vital Events, Race, Ancestry and Ethnic Group.
† See Technical Notes: Births, Gestational Age.
‡ See Technical Notes: Births, Birth Reporting.
§ See Technical Notes: Birth Mother's Marital Status.

PREGNANCY OUTCOMES

Table PO6. Live Births by Selected Characteristics and Mother's Ancestry, New York City, 2015

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	121,673	51.4	43.8	8.3	8.8	6.7	61.2	59.4	17.0	3.4	36.4
Hispanic											
Puerto Rican	7,561	0.5	41.7	10.4	11.9	7.2	75.7	71.0	31.6	8.9	29.1
Dominican	11,255	70.7	43.4	7.9	8.5	8.1	62.7	81.4	20.7	6.1	25.3
Colombian	1,180	66.8	50.8	7.0	8.0	5.0	45.3	58.7	15.4	3.6	41.4
Ecuadorian	3,270	83.0	35.0	5.3	6.7	8.1	55.1	84.9	15.4	6.5	33.4
Mexican	6,158	77.2	28.6	6.6	7.8	6.3	71.0	91.2	22.7	7.6	27.3
Cuban	303	15.5	49.8	7.3	8.3	5.5	45.9	41.9	22.2	3.3	40.6
Other Hispanic	5,828	65.9	39.7	8.4	10.1	7.2	60.4	72.6	21.7	5.1	34.8
North American and the Caribbean											
African American	12,986	15.8	43.5	12.6	12.7	9.1	76.5	71.1	32.8	6.9	29.6
American	13,154	3.5	45.9	6.8	7.3	1.6	16.9	33.5	12.2	1.2	50.9
Guyanese	1,645	88.8	44.0	13.9	12.3	11.7	45.8	65.0	16.3	3.0	36.6
Haitian	1,753	84.0	41.1	11.5	13.3	17.5	41.2	68.5	28.0	1.1	31.1
Jamaican	1,909	92.7	39.7	11.4	11.3	17.2	64.6	68.4	27.9	3.3	32.7
Trinidadian	797	90.5	42.2	14.7	12.6	14.2	53.5	62.9	24.2	1.3	33.5
Other North American and the Caribbean	1,609	88.8	49.5	9.0	8.2	15.8	44.3	54.6	20.9	1.4	40.6
European											
English	1,100	35.7	58.8	7.3	6.1	1.9	9.6	5.7	4.6	0.2	74.5
German	815	22.2	62.9	6.1	6.3	1.2	13.5	9.8	8.1	0.5	59.7
Irish	1,707	9.6	58.3	5.2	7.1	1.5	14.1	9.7	12.1	0.4	55.8
Italian	3,344	7.2	55.7	7.7	8.7	1.6	19.2	15.5	15.4	1.1	45.7
Polish	1,034	64.3	54.7	6.4	7.9	2.6	14.7	30.9	4.3	0.4	51.5
Russian	1,757	80.4	49.7	4.6	5.4	3.5	25.2	41.4	7.6	0.7	48.6
Other European	4,764	69.2	54.2	5.8	7.0	4.6	17.0	34.2	8.0	0.5	51.6
Asian											
Asian Indian	2,200	80.9	54.6	10.5	8.5	5.1	6.3	32.7	9.8	0.4	47.3
Bangladeshi	2,658	98.3	42.1	12.7	10.4	9.1	4.1	84.9	11.2	0.8	32.7
Chinese	9,053	90.8	48.3	5.7	6.5	3.7	23.2	68.2	1.8	0.3	22.2
Filipino	900	78.0	49.3	11.9	11.4	4.0	20.1	26.5	8.0	1.0	43.1
Korean	1,080	74.2	60.5	5.9	5.9	2.2	8.5	27.3	2.8	0.1	49.5
Pakistani	1,646	93.0	37.9	11.0	10.3	11.0	4.0	78.1	15.0	0.5	23.7
Other Asian	6,095	87.2	44.2	7.0	6.6	8.5	13.5	57.8	7.9	2.9	39.4
Other											
Jewish or Hebrew	5,394	14.1	27.9	5.4	5.5	1.4	3.2	63.6	10.1	1.3	38.4
Other or not stated	8,718	56.3	41.2	8.1	8.8	12.8	21.8	49.7	16.1	0.8	37.0

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

* See Technical Notes: Geographical Units, Birthplace Presentation.

† 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 PO7. Live Births by Selected Characteristics and Community District of Residence, New York City, 2015

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	121,673	14.2	30.2	51.4	43.8	8.3	8.8	6.7	59.4	17.0	36.4
MANHATTAN	17,668	10.8	27.7	40.9	55.8	8.1	8.3	4.9	33.7	11.7	47.7
Battery Park, Tribeca (01)	1,139	17.9	8.4	37.7	58.9	8.2	7.7	1.3	4.8	1.9	64.0
Greenwich Village, SOHO (02)	788	8.6	5.4	34.3	64.0	7.1	9.1	2.0	9.0	1.9	62.5
Lower East Side (03)	1,381	8.1	27.2	52.8	49.5	7.0	8.2	5.0	62.5	14.2	42.8
Chelsea, Clinton (04)	1,021	8.4	17.8	43.2	63.5	8.6	8.7	4.9	23.5	7.1	59.6
Midtown Business District (05)	571	10.7	8.1	37.7	65.5	6.8	6.7	2.5	9.6	5.1	58.2
Murray Hill (06)	1,240	8.6	9.1	38.2	64.8	7.2	7.8	2.3	6.6	4.2	63.1
Upper West Side (07)	2,510	11.7	13.3	33.0	58.2	8.2	7.8	3.2	11.3	6.0	57.5
Upper East Side (08)	2,577	11.4	7.2	35.1	60.3	7.3	7.3	1.4	5.4	4.2	47.5
Manhattanville (09)	1,092	9.8	50.7	48.4	49.0	7.0	8.2	11.0	61.7	21.0	39.8
Central Harlem (10)	1,571	13.4	27.1	38.6	45.5	10.0	10.3	11.0	60.8	26.3	40.8
East Harlem (11)	1,494	12.0	52.8	37.8	47.0	10.9	10.8	8.4	67.5	25.7	29.4
Washington Heights (12)	2,284	11.6	72.2	54.2	52.5	7.6	7.3	6.1	67.1	17.8	31.0
BRONX	19,985	13.8	60.3	53.9	39.2	9.4	9.7	10.9	81.5	26.2	24.6
Mott Haven (01)	1,650	17.0	66.7	44.4	36.4	9.8	9.5	11.3	88.2	30.1	22.6
Hunts Point (02)	830	15.0	70.2	47.1	35.5	10.4	10.1	13.0	85.7	29.4	20.2
Morrisania (03)	1,494	16.5	55.1	50.0	34.3	9.9	10.7	13.1	87.0	30.8	19.6
Concourse, Highbridge (04)	2,517	16.3	66.0	61.7	36.9	8.4	9.3	12.0	85.8	26.1	22.1
University/Morris Heights (05)	2,279	16.9	70.8	62.6	37.5	9.0	9.3	12.0	88.2	24.9	19.7
East Tremont (06)	1,287	14.8	66.5	42.8	36.8	11.2	11.3	11.2	89.4	29.5	20.5
Fordham (07)	2,259	15.3	72.1	62.3	41.6	8.4	8.5	10.1	83.9	22.6	27.7
Riverdale (08)	1,180	11.3	62.6	48.2	45.2	8.3	8.9	5.8	56.4	19.0	32.2
Unionport, Soundview (09)	2,402	13.2	57.8	52.3	41.3	10.1	10.6	9.4	80.3	25.5	27.0
Throgs Neck (10)	1,048	8.5	49.8	46.1	40.9	10.7	11.0	7.9	65.9	23.2	31.0
Pelham Parkway (11)	1,319	11.2	47.9	56.1	40.9	9.0	9.0	10.4	74.5	23.6	29.2
Williamsbridge (12)	1,720	11.0	29.2	52.9	42.3	9.5	10.2	13.6	78.4	30.2	26.6
BROOKLYN	40,982	15.5	18.1	48.3	40.8	7.7	8.3	6.2	65.8	15.8	35.7
Williamsburg, Greenpoint (01)	3,744	18.8	14.0	18.5	38.0	5.3	5.4	2.6	60.9	10.6	46.3
Fort Greene, Brooklyn Heights (02)	1,686	14.4	11.7	28.8	59.7	6.8	7.4	2.3	20.8	7.6	61.6
Bedford Stuyvesant (03)	2,228	14.5	19.4	26.1	40.3	8.8	9.5	5.9	70.7	22.8	35.7
Bushwick (04)	1,333	11.7	72.7	56.6	40.1	7.9	8.3	9.3	81.0	21.8	28.4
East New York (05)	2,650	14.5	39.5	51.0	37.9	11.4	11.0	10.7	81.0	25.9	36.8
Park Slope (06)	1,755	16.1	12.5	24.6	55.3	5.8	6.0	1.8	15.3	7.2	67.8
Sunset Park (07)	2,731	20.5	29.7	73.3	43.1	6.4	7.9	2.7	75.1	9.0	24.5
Crown Heights North (08)	1,280	13.1	12.5	37.3	49.6	8.8	9.2	7.4	53.8	19.5	45.1
Crown Heights South (09)	1,490	15.0	7.1	46.7	42.2	10.1	9.1	7.7	67.4	17.8	45.7
Bay Ridge (10)	1,941	13.7	16.8	66.0	44.7	6.9	7.1	4.5	57.3	11.7	33.8
Bensonhurst (11)	2,697	13.2	19.1	78.3	41.1	7.9	8.4	5.8	72.4	11.1	26.4
Borough Park (12)	5,528	27.5	9.0	38.1	28.3	5.4	6.0	2.1	79.8	10.3	25.1
Coney Island (13)	1,315	12.3	22.9	65.8	41.4	8.3	9.5	9.5	72.9	15.5	28.4
Flatbush, Midwood (14)	2,678	16.1	14.5	59.3	40.0	8.9	9.9	7.8	68.3	16.8	31.8
Sheepshead Bay (15)	2,259	13.0	10.5	63.7	40.6	5.9	6.6	6.4	59.6	11.2	34.1
Brownsville (16)	1,374	16.1	20.5	35.7	35.6	12.0	12.7	13.3	78.6	32.2	33.8
East Flatbush (17)	1,999	12.9	8.2	64.3	44.5	11.3	12.6	15.6	74.8	28.0	28.0
Canarsie (18)	2,294	11.7	8.7	50.7	42.6	8.3	8.9	10.0	57.7	25.1	35.1
QUEENS	26,848	11.4	33.3	69.5	44.2	8.0	8.5	7.9	66.5	16.2	37.7
Astoria, Long Island City (01)	1,959	9.7	27.5	57.2	53.5	7.5	8.4	9.5	51.9	15.7	42.4
Sunnyside, Woodside (02)	1,663	12.2	29.1	67.4	55.9	8.4	9.0	5.5	48.5	10.7	43.4
Jackson Heights (03)	2,618	14.5	72.1	80.0	38.4	7.3	8.6	9.1	82.9	17.8	32.2
Elmhurst, Corona (04)	2,723	14.5	56.9	86.5	40.3	7.1	8.3	7.8	83.9	15.2	24.0
Ridgewood, Glendale (05)	2,012	11.9	44.3	62.9	43.3	6.1	7.0	7.6	62.4	14.8	35.4
Rego Park, Forest Hills (06)	1,426	12.3	12.5	67.8	50.1	5.8	6.6	3.6	38.5	9.6	38.4
Flushing (07)	2,882	11.0	18.3	86.7	48.7	5.7	6.3	6.9	75.6	7.7	28.9
Fresh Meadows, Briarwood (08)	1,787	11.4	17.1	68.1	42.6	7.9	7.4	6.6	60.0	14.5	39.8
Woodhaven (09)	1,889	12.7	44.9	70.3	41.7	8.6	9.2	7.5	69.2	18.4	49.0
Howard Beach (10)	1,258	10.0	27.7	64.8	42.7	9.9	9.7	9.1	66.6	17.7	40.9
Bayside (11)	706	5.9	13.7	67.9	41.9	7.7	8.1	4.0	46.2	10.2	34.6
Jamaica, St. Albans (12)	2,992	12.8	23.2	64.2	41.1	11.2	10.0	10.4	72.3	25.1	49.8
Queens Village (13)	1,608	8.3	14.5	61.9	45.1	10.8	11.1	8.7	59.6	22.3	38.6
The Rockaways (14)	1,325	11.5	26.3	36.9	35.4	9.7	11.3	10.3	69.2	23.9	34.7
STATEN ISLAND	5,261	11.1	26.0	36.5	40.8	7.6	8.6	2.5	45.2	19.9	30.4
Port Richmond (01)	2,389	13.2	39.3	40.8	36.7	8.5	9.6	3.6	60.6	23.1	27.4
Willowbrook, South Beach (02)	1,418	10.6	19.5	46.2	43.3	7.0	8.0	1.9	42.7	18.5	32.8
Tottenville (03)	1,444	9.1	10.7	19.9	45.3	6.7	7.7	1.4	22.1	15.9	32.7
NEW YORK CITY RESIDENTS	110,744	13.0	31.4	52.7	43.7	8.2	8.6	7.1	62.7	17.3	35.8
NON-RESIDENTS	10,919	-	16.7	37.6	44.4	9.3	10.2	3.5	26.6	13.6	42.0
RESIDENCE UNKNOWN	10	-	50.0	42.9	11.1	11.1	22.2	37.5	100.0	33.3	-

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: Population, Community District, Population Estimates.

† See Technical Notes: Geographical Units, Birthplace Presentation.

‡ 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, 2015

Birthplace	Total	Borough of Residence					Non-Residents	Residence Unknown
		Manhattan	Bronx	Brooklyn	Queens	Staten Island		
United States*	58,205	10,393	8,668	21,000	8,067	3,303	6,770	4
Dominican Republic	8,039	1,317	4,148	1,180	1,036	62	296	-
China	7,911	838	61	3,542	2,946	123	401	-
Mexico	4,792	411	1,140	1,397	1,434	347	63	-
Ecuador	2,725	130	347	457	1,703	29	59	-
Bangladesh	2,646	49	496	574	1,479	7	41	-
Jamaica	2,356	53	582	894	617	25	185	-
Guyana	1,789	23	145	611	929	9	72	-
India	1,586	238	46	109	715	44	434	-
Haiti	1,566	46	44	1,043	310	4	118	1
Pakistan	1,512	58	74	688	473	80	139	-
Uzbekistan	1,244	17	4	772	407	27	17	-
Russia	1,020	175	19	493	175	50	108	-
Trinidad and Tobago	989	22	39	507	340	21	59	1
Puerto Rico*	968	104	490	177	113	40	44	-
Ukraine	895	81	9	567	82	81	75	-
Israel	877	200	13	435	103	22	104	-
El Salvador	810	33	109	183	388	9	87	1
Colombia	797	66	36	80	522	24	69	-
Honduras	780	37	296	172	207	41	27	-
Korea	770	238	8	89	318	12	105	-
Yemen	768	54	194	344	139	17	20	-
Egypt	765	45	10	301	234	102	73	-
Nigeria	742	27	183	256	158	61	57	-
Philippines	717	90	49	101	348	44	85	-
Other or Not Stated	16,404	3,021	2,677	5,010	3,605	677	1,411	3
Total	121,673	17,766	19,887	40,982	26,848	5,261	10,919	10

* See Technical Notes: Geographical Units, Birthplace Presentation.

Table PO9. Live Births by Mother's Birthplace and Age, New York City, 2015

Birthplace	Total	Age of Mother (Years)						
		<20	20-24	25-29	30-34	35-39	≥40	Unknown
United States*	58,205	2,697	11,166	13,413	17,005	10,916	3,007	1
Dominican Republic	8,039	393	1,729	2,368	1,954	1,244	351	-
China	7,911	23	796	2,953	2,587	1,192	360	-
Mexico	4,792	154	646	1,448	1,494	812	238	-
Ecuador	2,725	137	433	727	804	482	142	-
Bangladesh	2,646	19	508	914	823	321	61	-
Jamaica	2,356	76	340	588	673	506	173	-
Guyana	1,789	44	307	507	477	349	105	-
India	1,586	2	99	412	688	329	56	-
Haiti	1,566	16	107	353	530	405	155	-
Pakistan	1,512	7	270	529	447	220	39	-
Uzbekistan	1,244	57	371	394	281	107	34	-
Russia	1,020	2	54	323	360	219	62	-
Trinidad and Tobago	989	15	101	246	332	229	66	-
Puerto Rico*	968	78	217	241	226	162	44	-
Ukraine	895	2	71	234	363	171	54	-
Israel	877	5	82	179	314	212	85	-
El Salvador	810	39	157	228	207	138	41	-
Colombia	797	21	87	200	259	165	65	-
Honduras	780	42	152	206	212	122	46	-
Korea	770	1	7	87	324	280	71	-
Yemen	768	81	209	212	145	79	42	-
Egypt	765	2	78	306	232	107	40	-
Nigeria	742	1	30	158	318	169	66	-
Philippines	717	7	39	108	253	233	77	-
Other or Not Stated	16,404	152	1,425	3,587	5,500	4,273	1,467	-
Total	121,673	4,073	19,481	30,921	36,808	23,442	6,947	1

* See Technical Notes: Geographical Units, Birthplace Presentation.

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, 2015

	Age of Woman (Years)†	Live Births	Spontaneous Terminations	Induced Terminations	Total	Population Women	Birth Rate per 1,000 Women	Pregnancy Rate Per 1,000 Women
New York City‡	15-17	1,140	91	2,047	3,278	132,842	8.6	24.7
	18-19	2,933	211	3,902	7,046	99,527	29.5	70.8
	Age 15-19	4,073	302	5,949	10,324	232,369	17.5	44.4
Ethnic Group‡								
Hispanic	15-17	735	32	772	1,539	48,383	15.2	31.8
	18-19	1,647	76	1,275	2,998	33,971	48.5	88.3
	Age 15-19	2,382	108	2,047	4,537	82,354	28.9	55.1
Asian and Pacific Islander	15-17	16	4	47	67	16,810	1.0	4.0
	18-19	100	9	135	244	13,359	7.5	18.3
	Age 15-19	116	13	182	311	30,169	3.8	10.3
Non-Hispanic White	15-17	62	8	164	234	29,243	2.1	8.0
	18-19	364	31	426	821	25,646	14.2	32.0
	Age 15-19	426	39	590	1,055	54,889	7.8	19.2
Non-Hispanic Black	15-17	313	28	902	1,243	35,161	8.9	35.4
	18-19	775	56	1,712	2,543	24,122	32.1	105.4
	Age 15-19	1,088	84	2,614	3,786	59,283	18.4	63.9
NYC Events to NYC Residents§	15-17	1,110	86	1,857	3,053	132,842	8.4	23.0
	18-19	2,837	199	3,545	6,581	99,527	28.5	66.1
	Age 15-19	3,947	285	5,402	9,634	232,369	17.0	41.5
Ethnic Group§								
Hispanic	15-17	716	32	719	1,467	48,383	14.8	30.3
	18-19	1,616	75	1,198	2,889	33,971	47.6	85.0
	Age 15-19	2,332	107	1,917	4,356	82,354	28.3	52.9
Asian and Pacific Islander	15-17	16	4	43	63	16,810	1.0	3.7
	18-19	98	9	125	232	13,359	7.3	17.4
	Age 15-19	114	13	168	295	30,169	3.8	9.8
Non-Hispanic White	15-17	59	7	132	198	29,243	2.0	6.8
	18-19	321	25	366	712	25,646	12.5	27.8
	Age 15-19	380	32	498	910	54,889	6.9	16.6
Non-Hispanic Black	15-17	305	27	824	1,156	35,161	8.7	32.9
	18-19	757	53	1,560	2,370	24,122	31.4	98.3
	Age 15-19	1,062	80	2,384	3,526	59,283	17.9	59.5
Borough of Residence								
Manhattan	15-17	119	11	248	378	16,842	7.1	22.4
	18-19	268	24	534	826	20,219	13.3	40.9
	Age 15-19	387	35	782	1,204	37,061	10.4	32.5
Bronx	15-17	376	18	574	968	28,464	13.2	34.0
	18-19	866	53	987	1,906	19,973	43.4	95.4
	Age 15-19	1,242	71	1,561	2,874	48,437	25.6	59.3
Brooklyn	15-17	333	36	607	976	43,135	7.7	22.6
	18-19	989	69	1,081	2,139	29,509	33.5	72.5
	Age 15-19	1,322	105	1,688	3,115	72,644	18.2	42.9
Queens	15-17	235	17	349	601	35,718	6.6	16.8
	18-19	596	44	809	1,449	24,221	24.6	59.8
	Age 15-19	831	61	1,158	2,050	59,939	13.9	34.2
Staten Island	15-17	47	4	79	130	8,683	5.4	15.0
	18-19	118	9	134	261	5,605	21.1	46.6
	Age 15-19	165	13	213	391	14,288	11.5	27.4
NYC Events to Non-NYC Residents	15-17	30	5	190	225	-	N.A.	N.A.
	18-19	96	12	357	465	-	N.A.	N.A.
	Age 15-19	126	17	547	690	-	N.A.	N.A.

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

† From 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, 2011-2015

	Year				
	2011	2012	2013	2014	2015
Total Live Births	123,029	123,231	120,457	122,084	121,673
Percent to Teenagers (Age < 20)	5.3	4.7	4.2	3.7	3.3
Population* (Female Age 15-19)	251,854	245,424	238,442	235,417	232,369
Birth Rate† (Age 15-19)	25.8	23.6	21.2	19.4	17.5
Births to Teenagers	6,489	5,795	5,046	4,572	4,073
Percent of Births with					
Specified Characteristics:					
Hispanic	58.0	57.3	58.1	58.5	59.0
Foreign-born Mother‡	29.1	29.5	29.8	30.0	31.8
First Live Birth	87.4	86.8	85.3	85.9	86.1
< 2,500 grams	10.4	9.9	10.4	9.6	10.5
Preterm§	9.8	9.7	9.5	9.3	10.0
Prenatal Care in First or Second Trimester of Pregnancy	85.9	85.5	84.0	85.4	84.7
Not Married	90.2	90.1	88.4	88.4	86.8
On Medicaid||	89.7	88.6	88.3	90.3	91.0
Pre-pregnancy Obesity	14.3	14.1	13.4	13.6	13.9
Infant Mortality Rate¶	8.8	6.6	6.5	3.7	6.6

* For denominator information, see Technical Notes: Population.

† Births to women age < 20 years per 1,000 female population age 15 to 19. See Technical Notes: Vital Event Rates.

‡ See Technical Notes: Geographical Units, Birthplace Presentation

§ Clinical gestational age < 37 completed weeks.

|| 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, 2013-2015*

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)	Late or No Prenatal Care	Mother Not Married	On Medicaid ‡	Exclusive Breast Feeding
NEW YORK CITY	13,691	3.8	58.5	40.5	85.8	10.2	9.6	15.3	87.9	89.8	23.9
MANHATTAN	1,353	2.5	67.8	25.4	86.5	9.8	10.4	15.4	93.2	89.9	23.7
Battery Park, Tribeca (01)	8	0.2	50.0	50.0	100.0	12.5	12.5	25.0	75.0	62.5	-
Greenwich Village, SOHO (02)	8	0.3	25.0	-	62.5	-	-	37.5	75.0	87.5	37.5
Lower East Side (03)	144	3.3	63.4	15.3	83.3	13.2	15.3	14.5	97.9	92.1	33.3
Chelsea, Clinton (04)	46	1.5	56.5	15.2	76.1	4.4	8.7	16.7	97.8	91.3	26.1
Midtown Business District (05)	18	1.0	33.3	16.7	83.3	16.7	22.2	18.8	83.3	94.4	27.8
Murray Hill (06)	11	0.3	45.5	36.4	90.9	9.1	-	40.0	72.7	60.0	54.6
Upper West Side (07)	73	1.0	61.1	9.6	87.7	5.5	6.9	13.6	98.6	87.7	27.4
Upper East Side (08)	30	0.4	39.3	23.3	80.0	13.3	10.0	10.3	86.7	89.7	26.7
Manhattanville (09)	144	4.4	75.5	29.9	88.2	8.3	9.0	19.0	91.7	90.1	29.2
Central Harlem (10)	234	4.8	39.0	16.2	85.9	10.7	9.8	20.6	91.9	83.6	30.0
East Harlem (11)	297	6.3	67.8	13.1	84.9	13.5	13.5	12.6	94.6	91.8	16.2
Washington Heights (12)	354	5.1	94.6	50.0	90.7	6.2	7.3	11.7	92.4	92.9	17.8
BRONX	4,203	7.0	72.8	29.1	85.0	10.7	9.5	18.5	93.4	91.5	21.5
Mott Haven (01)	395	8.1	70.3	23.3	85.1	10.4	8.1	19.4	96.2	91.6	18.6
Hunts Point (02)	211	8.0	77.6	23.7	82.9	10.9	10.4	21.0	92.9	91.9	23.2
Morrisania (03)	375	8.6	67.7	25.9	84.0	8.5	8.0	21.2	94.1	90.9	20.4
Concourse, Highbridge (04)	556	7.3	77.0	35.4	84.7	11.5	11.3	15.8	94.1	92.2	18.2
University/Morris Heights (05)	539	7.9	80.5	35.1	84.2	7.8	7.8	15.1	94.6	91.8	17.4
East Tremont (06)	349	8.8	77.8	23.5	82.2	11.2	10.9	13.7	96.0	92.5	22.4
Fordham (07)	458	6.9	88.0	34.9	89.3	10.7	7.2	18.1	91.5	93.0	24.7
Riverdale (08)	117	3.4	90.5	32.5	83.8	12.8	9.4	16.1	93.2	95.7	20.7
Unionport, Soundview (09)	485	6.6	70.5	26.5	85.2	12.6	12.0	19.5	92.6	91.7	26.0
Throgs Neck (10)	126	4.2	62.6	23.8	84.9	7.1	7.9	24.4	86.5	83.3	29.4
Pelham Parkway (11)	201	4.9	62.7	29.4	82.1	12.4	11.0	23.8	85.1	87.6	28.4
Williamsbridge (12)	378	7.3	43.3	24.9	87.3	13.0	9.8	22.6	94.4	90.7	18.3
BROOKLYN	4,423	3.6	41.5	29.1	86.5	10.4	10.1	12.8	82.3	89.3	23.5
Williamsburg, Greenpoint (01)	235	2.1	50.0	11.9	91.5	7.2	6.0	7.6	64.7	89.8	29.8
Fort Greene, Brooklyn Heights (02)	92	1.8	41.8	15.2	89.1	13.0	18.5	3.3	92.4	91.3	17.6
Bedford Stuyvesant (03)	407	5.9	33.1	13.3	89.1	12.5	14.5	13.9	88.2	90.9	24.4
Bushwick (04)	346	7.8	82.3	34.4	83.5	5.5	7.2	9.9	93.9	93.3	21.2
East New York (05)	606	7.5	46.4	26.2	86.3	13.5	12.2	16.6	95.2	87.3	33.1
Park Slope (06)	101	1.8	56.6	15.8	84.2	10.9	13.9	5.0	94.1	88.1	22.0
Sunset Park (07)	281	3.4	78.9	43.8	77.2	9.3	9.3	7.6	88.6	95.7	12.8
Crown Heights North (08)	180	4.7	24.0	19.4	88.3	8.9	7.8	17.3	92.8	87.7	18.9
Crown Heights South (09)	122	2.7	17.4	41.8	88.5	9.0	9.8	13.0	90.2	86.8	22.7
Bay Ridge (10)	105	1.8	61.9	48.6	79.1	4.8	4.8	10.5	71.4	88.6	12.4
Bensonhurst (11)	181	2.3	53.0	49.7	85.6	8.8	7.7	11.1	72.4	91.7	20.4
Borough Park (12)	356	2.2	27.4	33.0	89.0	8.2	6.7	5.7	37.9	87.4	23.0
Coney Island (13)	171	4.6	43.9	24.6	84.8	9.4	9.4	18.9	83.6	91.2	14.7
Flatbush, Midwood (14)	257	3.3	39.0	43.6	89.5	10.1	9.7	15.7	73.2	90.7	18.7
Sheepshead Bay (15)	167	2.6	23.0	44.3	84.4	7.8	8.4	15.2	49.1	87.4	22.2
Brownsville (16)	322	7.9	29.3	13.4	86.0	12.4	10.6	14.7	95.7	89.1	30.8
East Flatbush (17)	275	4.6	10.2	32.4	89.5	14.9	12.7	15.4	94.9	87.2	20.8
Canarsie (18)	218	3.2	19.4	30.7	87.6	12.4	11.5	19.1	90.8	82.6	27.2
QUEENS	2,788	3.5	62.2	41.1	85.3	8.8	8.3	16.7	87.8	90.4	29.6
Astoria, Long Island City (01)	178	3.0	66.7	25.3	83.2	11.8	7.9	20.2	89.3	91.5	19.1
Sunnyside, Woodside (02)	113	2.3	77.9	42.5	85.0	8.9	8.0	18.0	85.8	95.5	14.2
Jackson Heights (03)	391	4.9	93.3	53.7	85.4	7.9	8.2	16.0	88.5	93.0	25.1
Elmhurst, Corona (04)	361	4.5	89.2	52.6	82.0	10.5	9.1	16.2	89.8	95.0	17.7
Ridgewood, Glendale (05)	239	4.0	78.6	43.9	82.4	5.4	8.8	18.1	82.9	92.9	23.1
Rego Park, Forest Hills (06)	25	0.6	44.0	68.0	92.0	4.0	-	4.0	64.0	88.0	28.0
Flushing (07)	137	1.6	67.7	49.6	86.1	10.2	7.3	11.9	82.5	89.1	29.9
Fresh Meadows, Briarwood (08)	95	1.8	38.3	35.8	90.5	11.6	9.5	13.0	77.9	87.4	32.6
Woodhaven (09)	216	3.8	64.0	50.0	83.8	7.9	7.9	15.2	80.6	90.3	37.2
Howard Beach (10)	167	4.4	38.3	38.9	89.2	10.8	9.0	21.5	86.8	86.8	37.7
Bayside (11)	16	0.8	68.8	50.0	93.8	6.3	6.3	25.0	75.0	81.3	18.8
Jamaica, St. Albans (12)	471	5.4	35.3	32.1	86.2	9.1	8.9	16.6	91.3	86.7	45.0
Queens Village (13)	150	3.0	19.5	30.7	88.7	7.3	6.0	15.1	94.0	82.0	43.3
The Rockaways (14)	229	6.0	45.4	22.3	85.6	6.6	7.9	18.0	96.1	91.7	24.0
STATEN ISLAND	542	3.4	56.7	19.4	83.0	11.4	9.4	5.6	91.9	83.2	17.9
Port Richmond (01)	416	5.9	59.6	20.0	81.0	11.1	9.1	6.1	92.8	85.3	16.8
Willowbrook, South Beach (02)	76	1.8	54.0	17.1	88.2	10.5	7.9	5.3	88.2	79.0	18.4
Tottenville (03)	50	1.1	36.7	18.0	92.0	16.0	14.0	2.0	90.0	72.0	26.0
NEW YORK CITY RESIDENTS	13,309	4.0	59.0	30.8	85.6	10.1	9.5	15.4	88.5	90.0	23.9
NON-RESIDENTS	376	1.2	37.8	17.6	90.7	13.0	11.7	12.2	68.4	80.3	23.5
RESIDENCE UNKNOWN	6	18.8	66.7	33.3	66.7	-	-	50.0	83.3	100.0	-

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 33 (Figure PO11).

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

† See Technical Notes: Geographical Units, Birthplace Presentation.

‡ 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, 2015

Borough of Residence / Pregnancy Outcome	Total	Age of Woman (Years)							
		<18	18-19	20-24	25-29	30-34	35-39	≥40	Unknown or Not Stated
NEW YORK CITY	195,201	3,278	7,046	38,903	50,522	51,500	32,942	11,004	6
Live Births	121,673	1,140	2,933	19,481	30,921	36,808	23,442	6,947	1
Spontaneous Terminations	9,882	91	211	1,274	1,975	2,647	2,344	1,337	3
Induced Terminations	63,646	2,047	3,902	18,148	17,626	12,045	7,156	2,720	2
MANHATTAN	29,516	378	826	4,617	6,466	8,783	6,242	2,204	-
Live Births	17,766	119	268	1,674	3,169	6,412	4,644	1,480	-
Spontaneous Terminations	1,529	11	24	149	253	416	431	245	-
Induced Terminations	10,221	248	534	2,794	3,044	1,955	1,167	479	-
BRONX	35,783	968	1,906	9,243	10,033	7,827	4,403	1,402	1
Live Births	19,887	376	866	4,509	5,741	4,809	2,750	836	-
Spontaneous Terminations	1,440	18	53	245	328	367	275	154	-
Induced Terminations	14,456	574	987	4,489	3,964	2,651	1,378	412	1
BROOKLYN	62,223	976	2,139	13,006	16,567	15,906	10,204	3,424	1
Live Births	40,982	333	989	7,596	10,903	11,608	7,401	2,152	-
Spontaneous Terminations	3,307	36	69	514	663	823	757	444	1
Induced Terminations	17,934	607	1,081	4,896	5,001	3,475	2,046	828	-
QUEENS	42,260	601	1,449	8,081	11,703	11,301	6,862	2,263	-
Live Births	26,848	235	596	4,001	7,642	8,229	4,808	1,337	-
Spontaneous Terminations	2,141	17	44	243	468	579	489	301	-
Induced Terminations	13,271	349	809	3,837	3,593	2,493	1,565	625	-
STATEN ISLAND	7,438	130	261	1,183	2,004	2,224	1,294	342	-
Live Births	5,261	47	118	688	1,435	1,775	981	217	-
Spontaneous Terminations	549	4	9	50	121	172	131	62	-
Induced Terminations	1,628	79	134	445	448	277	182	63	-
NON-RESIDENTS	17,961	225	464	2,771	3,744	5,455	3,931	1,369	2
Live Births	10,919	30	95	1,012	2,028	3,972	2,857	925	-
Spontaneous Terminations	906	5	12	72	140	289	256	131	1
Induced Terminations	6,136	190	357	1,687	1,576	1,194	818	313	1
RESIDENCE UNKNOWN	20	-	1	2	5	4	6	-	2
Live Births	10	-	1	1	3	3	1	-	1
Spontaneous Terminations	10	-	-	1	2	1	5	-	1
Induced Terminations	0	-	-	-	-	-	-	-	-

PREGNANCY OUTCOMES

Table PO14. Spontaneous Terminations of Pregnancy by Gestational Age and Age of Woman, New York City, 2015

Gestational Age (Weeks)		Age of Woman (Years)							
	Total	<18	18-19	20-24	25-29	30-34	35-39	≥40	Unknown or not stated
Total	9,882	91	211	1,274	1,975	2,647	2,344	1,337	3
<13	7,689	67	151	949	1,502	2,008	1,876	1,135	1
13-15	555	4	10	59	128	159	128	66	1
16-19	688	6	14	106	158	188	150	66	-
20-27	580	10	22	111	119	175	104	38	1
≥28	345	4	13	45	65	111	79	28	-
Not Stated	25	-	1	4	3	6	7	4	-

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, 2015

		Age of Woman (Years)						
	Total	<18	18-19	20-24	25-29	30-34	35-39	≥40
Total	345	4	13	45	65	111	79	28
Sex								
Male	180	3	8	26	36	51	41	15
Female	154	1	5	18	28	56	35	11
Undetermined	11	-	-	1	1	4	3	2
Weight at Delivery (Grams)								
<500	9	-	-	-	2	5	-	2
500-999	34	-	-	5	6	10	11	2
1,000-1,499	52	1	1	9	9	15	13	4
1,500-1,999	45	-	4	4	12	11	9	5
2,000-2,499	62	2	3	8	10	18	18	3
≥2,500	129	1	5	19	23	47	24	10
Not stated	14	-	-	-	3	5	4	2

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

PREGNANCY OUTCOMES

Table PO16. Selected Characteristics of Spontaneous Terminations of Pregnancy, ≥28 Weeks Gestation, Overall and by Ethnic Group of Women, New York City, 2015

	Racial/Ethnic Group of Women							
	Total	Puerto Rican	Other Hispanic	Asian and Pacific Islander	Non-Hispanic White	Non-Hispanic Black	Other	Not Stated
Total	345	17	62	47	84	108	6	21
Sex								
Male	180	10	39	26	42	50	3	10
Female	154	7	22	20	38	54	3	10
Undetermined	11	-	1	1	4	4	-	1
Weight at Delivery (Grams)								
<500	9	-	2	1	-	4	-	2
500-999	34	1	6	1	10	11	3	2
1,000-1,499	52	1	9	11	15	14	-	2
1,500-1,999	45	2	12	6	10	14	1	-
2,000-2,499	62	6	8	14	12	18	1	3
≥2,500	129	5	25	13	33	41	1	11
Not stated	14	2	-	1	4	6	-	1

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

Table PO17. Live Births, Spontaneous Terminations of ≥28 Weeks Gestation, and Induced Terminations of Pregnancy by Borough of Residence and Occurrence, New York City, 2015

Borough of Residence / Pregnancy Outcome	Total	Borough of Occurrence				
		Manhattan	Bronx	Brooklyn	Queens	Staten Island
NEW YORK CITY	185,663	72,327	25,964	42,099	39,327	5,946
Live Births	121,673	45,450	15,277	30,114	25,042	5,790
Spontaneous Terminations	345	116	59	85	65	20
Induced Terminations	63,646	26,761	10,628	11,900	14,221	136
MANHATTAN	28,034	25,936	1,187	544	360	7
Live Births	17,766	17,046	347	229	137	7
Spontaneous Terminations	47	46	1	-	-	-
Induced Terminations	10,221	8,844	839	315	223	-
BRONX	34,419	10,536	22,816	450	601	16
Live Births	19,887	5,493	13,964	198	217	15
Spontaneous Terminations	76	20	54	1	1	-
Induced Terminations	14,456	5,023	8,798	251	383	1
BROOKLYN	59,030	17,481	327	36,563	3,442	1,217
Live Births	40,982	11,258	129	26,979	1,406	1,210
Spontaneous Terminations	114	30	-	77	2	5
Induced Terminations	17,934	6,193	198	9,507	2,034	2
QUEENS	40,186	7,726	308	2,513	29,599	40
Live Births	26,848	5,097	131	1,612	19,968	40
Spontaneous Terminations	67	11	-	5	51	-
Induced Terminations	13,271	2,618	177	896	9,580	-
STATEN ISLAND	6,906	1,201	29	1,087	134	4,455
Live Births	5,261	352	9	550	37	4,313
Spontaneous Terminations	17	1	-	-	1	15
Induced Terminations	1,628	848	20	537	96	127
NON-RESIDENTS	17,079	9,446	1,295	936	5,191	211
Live Births	10,919	6,203	695	540	3,276	205
Spontaneous Terminations	24	8	4	2	10	-
Induced Terminations	6,136	3,235	596	394	1,905	6
RESIDENCE UNKNOWN	10	1	2	6	1	-
Live Births	10	1	2	6	1	-
Spontaneous Terminations	0	-	-	-	-	-
Induced Terminations	0	-	-	-	-	-

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

Table PO18. Induced Terminations of Pregnancy by Selected Characteristics and Age of Woman, New York City, 2015

	Total	Age of Woman (Years)							
		<18	18-19	20-24	25-29	30-34	35-39	≥40	Not Stated
Induced Termination of Pregnancy, All	63,646	2,047	3,902	18,148	17,626	12,045	7,156	2,720	2
Ethnic Group									
Hispanic	18,195	772	1,275	5,792	4,978	3,167	1,680	531	-
Asian and Pacific Islander	4,028	47	135	836	1,118	933	640	319	-
Non-Hispanic white	9,769	164	426	2,202	2,813	2,128	1,433	603	-
Non-Hispanic black	25,698	902	1,712	7,588	7,051	4,762	2,682	1,000	1
Other	2,155	65	157	693	595	339	234	72	-
Unknown	3,801	97	197	1,037	1,071	716	487	195	1
Marital Status									
Married	9,293	33	108	1,161	2,397	2,581	2,015	997	1
Not married	46,402	1,828	3,398	15,043	12,998	7,785	4,060	1,290	-
Other/Unknown	7,951	186	396	1,944	2,231	1,679	1,081	433	1
Gestational Age (Weeks)									
≤6	24,560	565	1,257	6,642	7,332	4,838	2,828	1,098	-
7 - 8	19,114	513	1,108	5,545	5,304	3,649	2,171	823	1
9 - 10	8,354	332	577	2,457	2,222	1,510	949	307	-
11 - 12	4,296	193	359	1,293	1,076	773	410	192	-
13 - 15	3,035	165	210	861	760	546	360	132	1
16 - 20	2,766	178	246	877	592	468	294	111	-
≥21	1,485	101	143	459	331	255	141	55	-
Unknown	36	-	2	14	8	6	3	2	-
Type of Primary Termination Procedure									
Suction curettage	45,878	1,364	2,703	12,947	12,736	8,796	5,311	2,020	1
Sharp curettage / D+C	1,382	45	83	306	331	292	203	121	1
Dilatation and evacuation	5,284	305	437	1,563	1,226	935	589	229	-
Intrauterine instillation	65	-	3	6	14	19	15	8	-
Hysterotomy / hysterectomy	11	-	-	-	6	2	1	2	-
Medical (non-surgical)	10,920	332	671	3,317	3,292	1,968	1,012	328	-
Other	106	1	5	9	21	33	25	12	-

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

Table PO19. Induced Terminations of Pregnancy by Woman's Marital Status, Age, and Ethnic Group, New York City, 2011-2015

	2011	2012	2013	2014	2015
Marital Status (Percent)					
Married	15.8	16.2	15.0	13.9	14.6
Not married	67.2	75.2	79.1	73.6	72.9
Other/Unknown	17.0	8.6	6.0	12.6	12.5
Age of Woman (Years)					
<20	11,302	9,417	8,063	7,067	5,949
20 - 24	24,266	22,048	20,956	19,764	18,148
25 - 29	20,126	18,917	18,066	18,345	17,626
30 - 34	13,809	13,061	12,734	12,462	12,045
35 - 39	7,903	7,472	7,175	7,262	7,156
≥40	3,077	2,897	2,846	2,718	2,720
Unknown	2	3	-	2	2
Ethnic Group					
Hispanic	23,959	22,917	21,555	20,371	18,195
Asian and Pacific Islander	4,308	4,493	4,615	4,547	4,028
Non-Hispanic white	9,550	9,704	9,422	9,401	9,769
Non-Hispanic black	35,188	31,328	29,007	27,367	25,698
Other	3,246	2,555	2,591	2,477	2,155
Unknown	4,234	2,818	2,650	3,457	3,801
Total	80,485	73,815	69,840	67,620	63,646

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

PREGNANCY OUTCOMES

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

Rank	Girls										
	1898	1928	1948	1980	1990	2000	2005	2010	2013	2014	2015
1	Mary	Mary	Linda	Jennifer	Stephanie	Ashley	Emily	Isabella	Sophia	Sophia	Olivia
2	Catherine	Marie	Mary	Jessica	Jessica	Samantha	Ashley	Sophia	Isabella	Isabella	Sophia
3	Margaret	Annie	Barbara	Melissa	Ashley	Kayla	Kayla	Olivia	Emma	Olivia	Emma/Mia
4	Annie	Margaret	Patricia	Nicole	Jennifer	Emily	Sarah	Emily	Olivia	Mia	Isabella
5	Rose	Catherine	Susan	Michelle	Amanda	Brianna	Isabella	Madison	Mia	Emma	Leah
6	Marie	Gloria	Kathleen	Elizabeth	Samantha	Sarah	Samantha	Mia	Emily	Emily	Emily
7	Esther	Helen	Carol	Lisa	Nicole	Jessica	Sophia	Emma	Leah	Leah	Ava
8	Sarah	Teresa	Nancy	Christina	Christina	Nicole	Nicole	Leah	Sofia	Ava	Chloe
9	Frances	Joan	Margaret	Tiffany	Melissa	Michelle	Olivia	Sarah	Madison	Sofia	Madison
10	Ida	Barbara	Diane	Maria	Michelle	Amanda	Rachel	Chloe	Chloe	Chloe	Sarah

Rank	Boys										
	1898	1928	1948	1980	1990	2000	2005	2010	2013	2014	2015
1	John	John	Robert	Michael	Michael	Michael	Michael	Jayden	Jayden	Ethan	Ethan
2	William	William	John	David	Christopher	Justin	Daniel	Ethan	Ethan	Jacob	Liam
3	Charles	Joseph	James	Jason	Jonathan	Christopher	Joshua	Daniel	Jacob	Liam	Noah
4	George	James	Michael	Joseph	Anthony	Matthew	David	Jacob	Daniel	Jayden	Jacob
5	Joseph	Richard	William	Christopher	David	Daniel	Justin	David	David	Noah	Jayden
6	Edward	Edward	Richard	Anthony	Daniel	Anthony	Matthew	Justin	Noah	Daniel	Matthew
7	James	Robert	Joseph	John	Joseph	Joshua	Anthony	Michael	Michael	Michael	David
8	Louis	Thomas	Thomas	Daniel	Matthew	David	Christopher	Matthew	Matthew	Alexander	Daniel/Dylan
9	Francis	George	Stephen	Robert	John	Joseph	Joseph	Joseph	Alexander	David	Aiden
10	Samuel	Louis	David	James	Andrew	Kevin	Nicholas	Joshua	Liam	Matthew	Michael

Table PO21. Most Popular Baby Names by Sex and Mother's Ethnic Group, New York City, 2015

	Girls					Boys				
Rank	Overall	Hispanic	NH-Black	NH-White	Asian & P.I.	Overall	Hispanic	NH-Black	NH-White	Asian & P.I.
1	Olivia	Isabella	Madison	Emma*	Olivia	Ethan	Liam	Noah	David	Jayden
2	Sophia	Sophia	Skylar	Olivia*	Chloe	Liam	Dylan	Liam	Joseph	Ethan
3	Emma*	Mia	Ava	Leah	Sophia	Noah	Ethan	Aiden	Moshe	Ryan
4	Mia*	Emma	Olivia	Sarah	Emily	Jacob	Matthew	Jeremiah	Jacob	Muhammad
5	Isabella	Camila	Mia	Esther	Emma	Jayden	Noah	Ethan*	Benjamin	Aiden
6	Leah	Sofia	Aaliyah†	Rachel	Grace	Matthew	Jacob	Josiah*	Michael	Lucas
7	Emily	Abigail	Chloe†	Miriam	Isabella	David	Jayden	Elijah	Daniel	William
8	Ava	Ashley	Taylor†	Charlotte	Mia	Daniel*	Sebastian	Mason	Samuel	Evan*
9	Chloe	Emily	Savannah	Chaya	Angela	Dylan*	Daniel	Joshua	James	Jason*
10	Madison	Madison	Kylie	Ava	Charlotte	Aiden	Angel	Carter	Alexander	Liam

*, † Tied ranks.

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

PREGNANCY OUTCOMES

Table PO22. Characteristics of Birth and Pregnancy Outcomes by Neighborhood Poverty*†, New York City, 2006, 2015

	Low (<10%)			Medium (10 to <20%)			High (20 to <30%)			Very High (≥30%)		
Birth Characteristics	2015	2006	Chg 2006 to 2015 (%)	2015	2006	Chg 2006 to 2015 (%)	2015	2006	Chg 2006 to 2015 (%)	2015	2006	Chg 2006 to 2015 (%)
Births	22,450	28,039	-19.9	30,318	31,610	-4.1	25,249	25,291	-0.2	32,715	29,690	10.2
Population	2,127,945	2,526,775	-15.8	2,589,252	2,353,171	10.0	1,848,156	1,542,356	19.8	1,985,051	1,595,915	24.4
Birth Rate (per 1,000 population)	10.6	11.1	-4.9	11.7	13.4	-12.8	13.7	16.4	-16.7	16.5	18.6	-11.4
Preterm Live Births (%)	7.7	9.5	-18.8	8.7	9.6	-9.4	8.5	9.5	-10.9	9.2	10.4	-10.8
Low Birth Weight (%)	7.4	8.4	-12.4	8.2	8.5	-2.9	8.1	8.6	-6.1	8.7	9.6	-9.8
Body Mass Indicator‡												
Normal (%)	63.5	-	-	55.7	-	-	48.6	-	-	45.8	-	-
Overweight/Obese (%)	30.0	-	-	38.6	-	-	46.1	-	-	48.9	-	-
C-section (%)§	34.3	33.8	§	33.9	30.9	§	32.5	29.2	§	30.4	26.4	§
Multiple Births (%)	4.1	5.0	-16.4	3.6	3.2	12.9	2.9	2.9	1.8	3.1	2.9	8.4
Breastfed Only (%)‡	48.3	-	-	39.7	-	-	32.5	-	-	26.2	-	-
Late or No Prenatal Care (%)	4.2	4.5	-6.7	6.9	7.5	-8.0	8.4	7.4	12.9	8.2	6.4	29.2
Foreign Born (%)||	42.7	46.2	-7.6	60.0	63.6	-5.6	60.4	61.0	-1.0	46.9	44.7	5.0

*Birth with missing census tracts are excluded. New York City resident births only.

†See Technical Notes: Neighborhood Poverty. Neighborhood poverty (based on census tract) defined as percent of residents with incomes below 100% of the Federal Poverty Level.

‡Prior to 2008, data needed to compute these variables were not collected on the New York City certificate of birth.

§2006 C-section data is not comparable to 2015 due to 2008 birth certificate revisions. Historical Technical Notes: Births.

||See Technical Notes: Geographical Units, Birthplace Presentation.

PREGNANCY OUTCOMES

Table PO23. Pregnancy Outcomes, Pregnancy Outcome Rates*, and Pregnancy Rates* by Mother's Age Group, Racial/Ethnic Group, and Borough of Residence, New York City, 2015

	Age of Woman†	Live Births		Spontaneous Terminations		Induced Terminations		Pregnancy	
	Years	Counts‡	Rates per 1,000	Counts‡	Rates per 1,000	Counts‡	Rates per 1,000	Counts‡	Rates per 1,000
New York City§	15-19	4,073	17.5	302	1.3	5,949	25.6	10,324	44.4
	20-29	50,402	69.5	3,249	4.5	35,774	49.3	89,425	123.2
	30-39	60,250	87.0	4,991	7.2	19,201	27.7	84,442	122.0
	40-49	6,947	12.0	1,337	2.3	2,720	4.7	11,004	19.0
	Total	121,673	14.2	9,882	5.1	63,646	32.8	195,195	100.6
Ethnic Group§||									
Hispanic	15-19	2,382	28.9	108	1.3	2,047	24.9	4,537	55.1
	20-29	17,692	84.0	791	3.8	10,770	51.1	29,253	138.8
	30-39	14,001	72.7	991	5.1	4,847	25.2	19,839	103.0
	40-49	1,480	8.8	253	1.5	531	3.1	2,264	13.4
	Total	35,555	14.3	2,143	3.8	18,195	31.9	55,893	98.0
Asian and Pacific Islander	15-19	116	3.8	13	0.4	182	6.0	311	10.3
	20-29	8,096	72.4	281	2.5	1,954	17.5	10,331	92.4
	30-39	11,219	97.1	430	3.7	1,573	13.6	13,222	114.4
	40-49	1,104	11.5	103	1.1	319	3.3	1,526	15.9
	Total	20,535	16.6	827	2.7	4,028	13.1	25,390	82.6
Non-Hispanic White	15-19	426	7.8	39	0.7	590	10.7	1,055	19.2
	20-29	13,350	57.7	699	3.0	5,015	21.7	19,064	82.4
	30-39	23,951	104.5	1,572	6.9	3,561	15.5	29,084	126.9
	40-49	2,880	17.6	403	2.5	603	3.7	3,886	23.7
	Total	40,607	14.7	2,714	4.5	9,769	16.3	53,089	88.6
Non-Hispanic Black	15-19	1,088	18.4	84	1.4	2,614	44.1	3,786	63.9
	20-29	10,541	67.2	840	5.4	14,639	93.3	26,020	165.8
	30-39	10,122	71.2	982	6.9	7,444	52.4	18,548	130.5
	40-49	1,365	9.6	262	1.8	1,000	7.0	2,627	18.5
	Total	23,116	12.1	2,168	5.1	25,698	60.3	50,981	119.6
Borough of Residence¶									
Manhattan	15-19	387	10.4	35	0.9	782	21.1	1,204	32.5
	20-29	4,843	28.3	402	2.3	5,838	34.1	11,083	64.7
	30-39	11,056	71.1	847	5.4	3,122	20.1	15,025	96.6
	40-49	1,480	13.8	245	2.3	479	4.5	2,204	20.5
	Total	17,766	10.8	1,529	3.7	10,221	24.4	29,516	70.5
Bronx	15-19	1,242	25.6	71	1.5	1,561	32.2	2,874	59.3
	20-29	10,250	83.9	573	4.7	8,453	69.2	19,276	157.7
	30-39	7,559	70.4	642	6.0	4,029	37.5	12,230	113.9
	40-49	836	8.4	154	1.5	412	4.1	1,402	14.0
	Total	19,887	13.7	1,440	4.4	14,456	44.2	35,782	109.4
Brooklyn	15-19	1,322	18.2	105	1.4	1,688	23.2	3,115	42.9
	20-29	18,499	82.6	1,177	5.3	9,897	44.2	29,573	132.0
	30-39	19,009	86.5	1,580	7.2	5,521	25.1	26,110	118.7
	40-49	2,152	12.2	444	2.5	828	4.7	3,424	19.5
	Total	40,982	15.5	3,307	5.5	17,934	29.6	62,222	102.6
Queens	15-19	831	13.9	61	1.0	1,158	19.3	2,050	34.2
	20-29	11,643	65.9	711	4.0	7,430	42.1	19,784	112.1
	30-39	13,037	72.8	1,068	6.0	4,058	22.7	18,163	101.4
	40-49	1,337	8.2	301	1.8	625	3.8	2,263	13.9
	Total	26,848	11.5	2,141	4.3	13,271	26.7	42,260	85.2
Staten Island	15-19	165	11.5	13	0.9	213	14.9	391	27.4
	20-29	2,123	67.1	171	5.4	893	28.2	3,187	100.7
	30-39	2,756	90.7	303	10.0	459	15.1	3,518	115.8
	40-49	217	6.5	62	1.8	63	1.9	342	10.2
	Total	5,261	11.1	549	5.9	1,628	17.6	7,438	80.5

Note: Population data used to calculate rates are 2015 estimates from US Census Bureau. See Technical Notes: Population.

*See Technical Notes: Population, Vital Event Rates.

†The denominators for total rates are females ages 15-44 except for total birth rates which are all population.

‡Counts for females age 15 to 19 are the number of events to females age < 20; counts for females age 40 to 49 are the number of events to females age 40 and over. See Technical Notes: Vital Event Rates.

§Includes all events occurring in NYC regardless of residence.

||Other/unknown ethnicities are excluded.

¶Numbers and rates are limited to events occurring in NYC to NYC residents only.

SUMMARY OF VITAL STATISTICS
2015
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

POPULATION

Citywide Population

The 2015 NYC population estimates used in tables and figures are based on the US Census Bureau 2015 Vintage population estimate as extracted from Current Estimates Data (http://www.census.gov/popest/data/counties/asrh/2015/files/CC-EST2015-ALLDATA-36.csv). The 2015 US Census population estimate for New York City (NYC) is 8,550,405. See Table PC2 on page 41 for 2015 NYC population estimates by age, mutually exclusive race and Hispanic origin, and sex. Population data used to compute rate trends (2006-2015), regardless of NYC geography presented, was estimated by DOHMH, Epidemiology Services, using the methodology found below under Community District Population Estimates. Population estimates for 2012-2015 are from Census Bureau vintage files from each year, respectively.

Race/Ethnicity Categories

According to the definition of race categories used in the 2010 Census, "White" refers to a person having origins in any of the original peoples of Europe, the Middle East, or North Africa. It includes people who indicated their race(s) as "White" or reported entries such as Irish, German, Italian, Lebanese, Arab, Moroccan, or Caucasian. "Black or African American" refers to a person having origins in any of the Black racial groups of Africa. It includes people who indicated their race(s) as "Black, African American, or Negro". "American Indian or Alaska Native" refers to a person having origins in any of the original peoples of North and South America (including Central America) and who maintains tribal affiliation or community attachment. This category includes people who indicated their race(s) as "American Indian or Alaska Native" or reported their enrolled or principal tribe. "Asian" refers to a person having origins in any of the original peoples of the Far East, Southeast Asia, or the Indian subcontinent, including, for example, Cambodia, China, India, Japan, Korea, Malaysia, Pakistan, the Philippine Islands, Thailand, and Vietnam. It includes people who indicated their race(s) as "Asian" or reported entries such as "Asian Indian," "Chinese," "Filipino," "Korean," "Japanese," "Vietnamese," and "Other Asian" or provided other detailed Asian responses. "Native Hawaiian or Other Pacific Islander" refers to a person having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands. It includes people who indicated their race(s) as "Pacific Islander" or reported entries such as "Native Hawaiian," "Guamanian or Chamorro," "Samoan," and "Other Pacific Islander" or provided other detailed Pacific Islander responses. "Some Other Race" includes all other responses not included in the White, Black or African American, American Indian or Alaska Native, Asian, and Native Hawaiian or Other Pacific Islander race categories described above. Respondents reporting entries such as multiracial, mixed, interracial, or a Hispanic or Latino group (for example, Mexican, Puerto Rican, Cuban, or Spanish) in response to the race question are included in this category.

Hispanics or Latinos are those people who classified themselves in one of the specific Spanish, Hispanic, or Latino categories listed on the Census 2010 questionnaire -"Mexican," "Puerto Rican," or "Cuban"-as well as those who indicate that they are "another Hispanic, Latino, or Spanish origin." People who do not identify with one of the specific origins listed on the questionnaire but indicate that they are "another Hispanic, Latino, or Spanish origin" are those whose origins are from Spain, the Spanish-speaking countries of Central or South America, or the Dominican Republic. The terms "Hispanic," "Latino," and "Spanish" are used interchangeably.

Origin can be viewed as the heritage, nationality group, lineage, or country of birth of the person or the person's parents or ancestors before their arrival in the United States.

People who identify their origin as Spanish, Hispanic, or Latino may be of any race. Thus, the percent Hispanic should not be added to percentages for racial categories.

Community District Population Estimates

Community districts were established by City Charter in 1969 for the delivery of city services. Population data for these districts are compiled by Department of City Planning 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.

2015 Community District estimates

The 2015 Community District estimates were calculated based on the Census Bureau postcensal estimate for 2015 released in July 2016 (See Historical Technical Notes for previous years' methods).

Life Expectancy

For life expectancy computations, single-year age group populations were based on decennial census counts. Life expectancies for 2001-2009 have been updated from the previous Summary using linear interpolation of single-year age group populations based on 2000 and 2010 census counts. Citywide life expectancies by sex and race/ethnicity for 2010 are calculated based on 2010 census population. Population data for life expectancies for 2011-2015 were extrapolated based on single-year age groups of Census population, 2000 and 2010. Life expectancy for Asians and Pacific Islanders is not displayed because the required single year of age population denominators are too small to produce reliable estimates. Also See Technical Notes: Deaths, Life Expectancy.

Age Categories

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

DEMOGRAPHICS/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 recoded to mean age at death but are extremely rare.

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

Infant'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. When rates are computed by infant characteristics (e.g. sex of infant or hospital/location of death), such characteristics are drawn from the death certificate, except for those characteristics that are either not indicated on the death certificate or only available on the child's birth certificate (e.g. mother's prenatal care, infant's birth weight, and gestational age). 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 A: Tables IM2 and IM7.

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 A: 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. Life expectancy calculations use national data from the NCHS (Summary Figures 1-2; Appendix A Tables M24-M25) or New York State of Health (Summary Figures 3-4), 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. When decedent's birthplace is classified by country-specific categories, Puerto Rico is categorized apart from the United States due to the large number of deaths to Puerto Rican-born decedents.

Mother's Birthplace (used for births and infant mortality data)

Starting in 2006, mother's birthplace is categorized as: "United States, including its territories" (Puerto Rico, the US Virgin Islands, American Samoa, Northern Mariana 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 due to the large number of births to Puerto Rican-born women.

Borough of residence

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

Community District (CD)

Community districts were established by City Charter in 1969 for the delivery of city services. There are 59 community districts in New York City. 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 Community Portal (http://www1.nyc.gov/site/planning/community/community-portal.page).

Neighborhood Poverty Indicator

Since 2012, neighborhood poverty disparities have been presented in the Summary of Vital Statistics. The neighborhood poverty indicator is the agency-recommended indicator for monitoring socioeconomic health disparities. The summary reports poverty at the census tract level. Each census tract is assigned to a neighborhood poverty category based on the percent of the census tract population living below the federal poverty level. The four neighborhood poverty categories are:

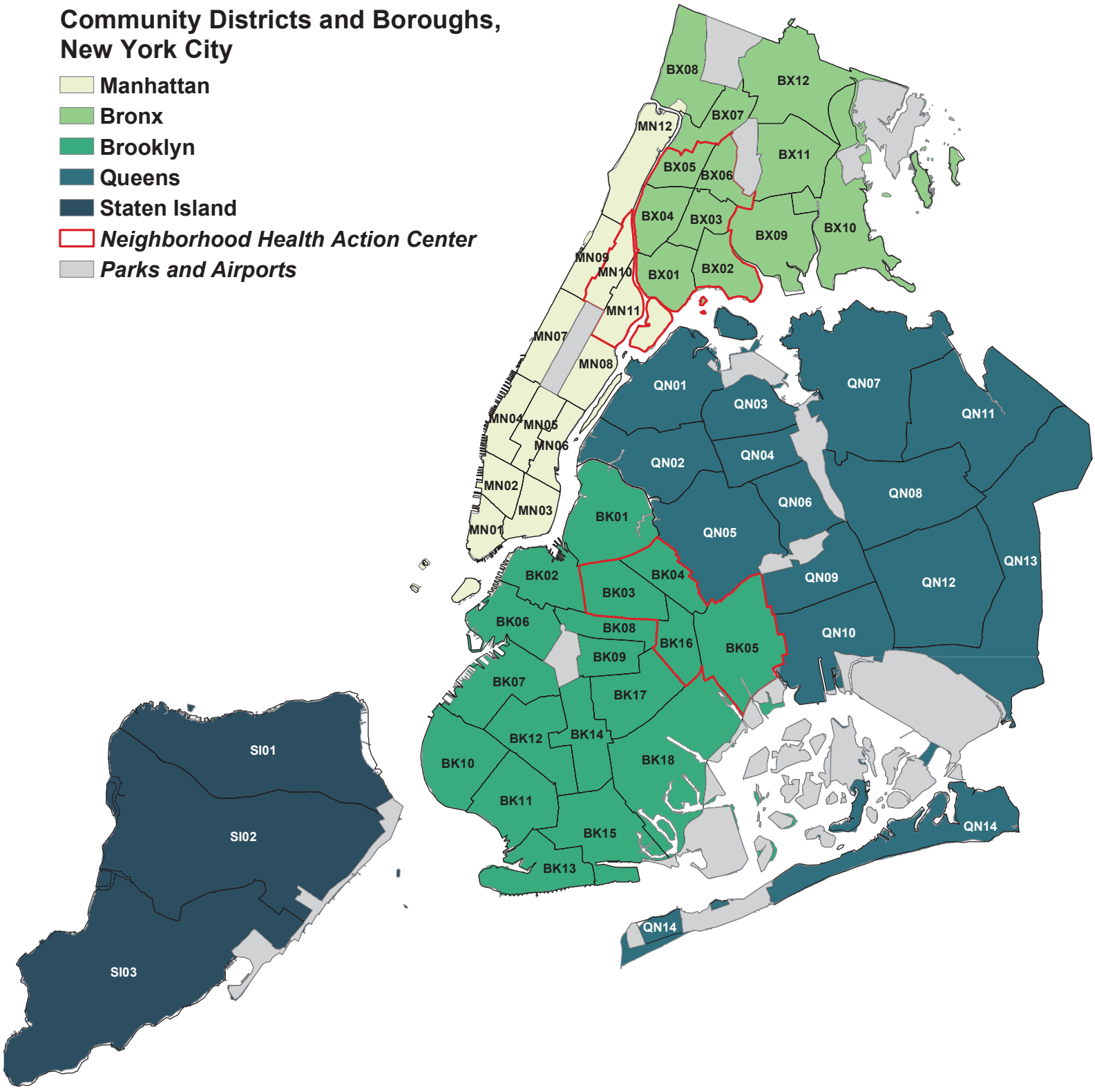
Low:	Medium:	High:	Very High:
< 10% of the population below poverty	10-19% of the population below poverty	20-29% of the population below poverty	≥ 30% of the population below poverty

The denominator of any rate by neighborhood poverty category contains the combined populations of census tracts falling within a category. The numerator contains the summed number of vital events occurring to residents of the census tracts falling within a category. Additional information on poverty indicator can be found at http://www.hsph.harvard.edu/thegeocodingproject/.

Neighborhood health action center

The Neighborhood Health Action Centers are part of the NYC DOHMH Center for Health Equity's mission to strengthen the agency's work to eliminate health inequities. These neighborhoods have the highest rates of premature death and chronic disease in New York City. There are three Neighborhood Health Action Centers targeting neighborhoods in Community Districts 110 and 111 in East and Central Harlem in Manhattan, Community Districts 201 to 206 in the Bronx, and Community Districts 303, 304, 305, and 306 in Brooklyn.

Community Districts and Boroughs, New York City



VITAL EVENT RATES

Death Rates

Death Rate, all causes per 1,000 population	Death Rate, specified causes per 100,000 population
$\frac{\text{Deaths to all causes}}{\text{Population}} \times 1{,}000$	$\frac{\text{Deaths to specific causes (specified ICD10 codes)}}{\text{Population}} \times 100{,}000$
Death Rate, age and sex specific per 1,000 population	**Death Rate, age-adjusted per 100,000 population**
$\frac{\text{Deaths to persons of specified age group and sex}}{\text{Population, specified age group and sex}} \times 1{,}000$	The number of deaths per 100,000 population. Sex and race/ethnicity specific death rates are adjusted using the US standard population age distribution eliminating the effect of differences in population age composition, and allowing comparisons over time and between geographic areas. In this publication, 5 age groups are used for calculation: 0-24, 25-44, 45-64, 65-84, 85+, except for Appendix Table M2 which uses the age groups in the table.
Maternal Mortality Ratio – World Health Organization Definition (Appendix A Table M13)	
$\frac{\text{Deaths due to complications of pregnancy, childbirth and the puerperium occurring within 42 days of delivery}}{\text{Live births}} \times 100{,}000$	
*Death of a woman while pregnant 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)	
Perinatal Mortality Ratio	
$\frac{\text{Fetal deaths 28 weeks and over + infant deaths under 7 days}}{\text{Fetal deaths 28 weeks and over + live births}} \times 1{,}000$	

Infant Mortality Rates

Infant Mortality Rate	Neonatal Mortality Rate
$\frac{\text{Deaths to infants < 1 yr old}}{\text{Number of live births}} \times 1{,}000$	$\frac{\text{Deaths to infants < 28 days of life}}{\text{Number of live births}} \times 1{,}000$
Early Neonatal Mortality Rate	**Late Neonatal Mortality Rate**
$\frac{\text{Deaths to infants < 7 days of life}}{\text{Number of live births}} \times 1{,}000$	$\frac{\text{Deaths to infants 7-27 days of life}}{\text{Number of live births}} \times 1{,}000$

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.

Pregnancy Outcome Rates

Fertility Rate	Pregnancy Rate
$\frac{\text{Live births}}{\text{Female population aged 15 to 44 years}} \times 1{,}000$	$\frac{\sum \text{(Births, Spontaneous, Induced Terminations)}}{\text{Female population aged 15 to 44 years}} \times 1{,}000$

Birth Rates	
Total birth rate	**Age-specific birth rate**
$\frac{\text{Total births}}{\text{Total population regardless of age or sex}} \times 1{,}000$	$\frac{\text{Births among specific age group}}{\text{Female population of specific age group}} \times 1{,}000$

Total spontaneous termination rate	Age-specific spontaneous termination rate
$\frac{\text{Total spontaneous terminations}}{\text{Female population ages 15 to 44 years}} \times 1{,}000$	$\frac{\text{Spontaneous terminations among specific aged females}}{\text{Female population of specified age group}} \times 1{,}000$

Total induced termination of pregnancy rate	Age-specific induced termination of pregnancy rate
$\frac{\textit{Total induced terminations}}{\textit{Female population age 15 to 44 years}} \times 1{,}000$	$\frac{\textit{Induced terminations among specific aged females}}{\textit{Female population of specified age group}} \times 1{,}000$

Fetal-infant Mortality Rate (FIMR)
$\frac{\textit{[Fetal deaths (gestational age} \geq \textit{24 weeks) + infant deaths (under 1 year old)]}}{\textit{[Live births (birthweight} \geq \textit{500 grams)]}} \times 1{,}000$

*Pregnancy Outcome Counts and Rates

Pregnancy outcome (birth, spontaneous termination, or induced termination) counts and rate numerators use the number of events to women of all ages. For example, the birth rate includes all births in a population, regardless of the mother's age. The denominator for these rates differs by event, consistent with national standards. The birth rate denominator is the number of males and females of all ages. The denominator for spontaneous or induced termination rates is the number of females ages 15-44 years. The counts and numerator used in age-specific pregnancy outcome rates for the youngest age category (teens 15-19), is the number of events to women in the population under age 20, relative to the denominator of women in the population ages 15 to 19 (Table 1. Pregnancy Outcomes Report). Similarly, the numerator of the oldest age category (40-49) includes events to all women in the population over the age of 40, relative to the denominator of women in the population ages 40-49. NYC first reported these age-specific rates in the 2011 Pregnancy Outcomes Report and applied a denominator of women in the population ages 40-49 as opposed to 40-44 due to the increased number of events occurring among women ages 45-49. The numerator used for the youngest age category for teen pregnancy outcomes (15-17 in Table PO10 Appendix A) is the number of events to women in the population under age 17, relative to the denominator or women in the population ages 15-17.

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 2003, 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 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. 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 a family member 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 2015, 94% 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.

Death Rates

See Vital Event Rates

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.

Cause of Death-Quality Improvement Initiative

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.

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, pages 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 A 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:

$$\frac{\textit{Deaths from cause ICD10}}{\textit{Deaths from cause ICD9}}$$

More information on the ICD-10/ICD-9 comparability ratio can be found at Comparability of Cause-of-death Between ICD Revisions (http://www.cdc.gov/nchs/nvss/mortality/comparability_icd.htm).

Smoking- and Alcohol-attributable Mortality

Smoking- and alcohol-attributable deaths represent the number of New York City deaths attributed to exposure to smoking and alcohol respectively.

Smoking-attributable mortality (SAM)

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

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

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

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

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

Summing across age categories provides the sex-specific estimate of SAM for each disease. Total SAM is the sum of the sex-specific SAM estimates. A detailed description of the methodology is available at https://chronicdata.cdc.gov/Health-Consequences-and-Costs/Smoking-Attributable-Mortality-Morbidity-and-Econo/w47j-r23n/data.

Beginning 2014, substantial changes in SAM calculation were made based on the 2014 Surgeon General Report that used more age strata and updated relative risks. Four new conditions were also added – colorectal cancer (C18-C20), liver cancer (C22), diabetes (E10-E14) and tuberculosis (A16-A19). In addition, C66 (cancer of ureter) to kidney cancer was added – this was inadvertently omitted when CDC analyses began being based on ICD-10 several years ago. See chapter 12 of the 2014 Surgeon General Report at the following link:

http://www.surgeongeneral.gov/library/reports/50-years-of-progress/sgr50-chap-12.pdf

Alcohol-Attributable Mortality (Appendix A Table M14)

Alcohol-attributable deaths in Appendix A 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 by applying 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. A detailed description of the methodology is available at http://nccd.cdc.gov/DPH_ARDI/default/default.aspx.

Beginning in 2014, the cut points of average drinks per day to define alcohol consumption as "Low", "Medium", and "High" were revised slightly based on Ridolfo and Stevenson's study in 2001 and Bagnardi et al.'s study in 2001. The death data are stratified by sex and five-year age groups. Generally chronic causes of death are collected for people aged 20 years and older and acute causes of death for people aged 15 years and older. However, there are several exceptions to this rule. See Alcohol Related Disease Impact (ARDI) Custom Data User Manual at the following link for details.

http://nccd.cdc.gov/DPH_ARDI/Info/ARDI_Custom_Data_User_Manual_2014.pdf

Complications of Medical and Surgical Care (Appendix A 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 the Summary of Vital Statistics, starting in 2009 and the Mortality Report after 2011.

Mental and behavioral disorders due to use of or accidental poisoning by psychoactive substance excluding alcohol and tobacco (Mortality Tables 1-4, Figure 13, Appendix A 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-10 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 Mortality Tables 1-4, Figure 13, Appendix A 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 A Tables M1, M13, 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 A Table M1 and M13. 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 Overdose Deaths (Mortality: Figure 17) is the definition used in Take Care New York (TCNY). Reported in the Summary since 2008, the definition has changed after an extensive review of drug-related cases. Starting in the 2011 Summary, the definition of Unintentional Drug-related Overdose Deaths has 2 modifications from "Drug Use/Poisoning": (i) restricted to deaths among individuals ages 15 to 84; and (ii) restricted to deaths confirmed by medical examiner to be accidental.

External Causes of Death (Mortality Figures 16-19; Appendix A Tables 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 is described above: Cause of Death Coding.

Fatal Occupational Injuries (Appendix A Table M17)

Appendix A, Table M17 is 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.

Heart Disease Deaths

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.

HIV and AIDS Mortality

Beginning 1999, with the 10th revision of the ICD code, deaths due to HIV disease (ICD-10 codes B20-B24) are characterized by the resulting disease or condition, replacing AIDS and other HIV infections in ICD 9th revision.

Homicide (Mortality Figure 19; Appendix A Table 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-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 A, 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.

Life Expectancy (Mortality Figures 1-4; Appendix A 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 (Table M24). Life expectancies in Figures 1-2, Appendix A Tables M24, M25 are calculated by complete life tables (for a single year of age). Life expectancies in Figures 3-4 are calculated by abridged life tables (age groups). The number of Asian and Pacific Islander deaths is too small to generate reliable life expectancies and therefore are not presented either in Mortality Figure 2 or Appendix A. Table M24.

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

Appendix A, Table M25 presents annual life expectancy by age and sex providing trend information.

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.

Maternal Death and Maternal Mortality (Appendix A 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 (Mortality: Figure 17, Appendix A Table M18)

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.

Premature Deaths (Mortality: Figures 9-15, Table 4; Appendix A Table M9-10)

Premature deaths are deaths that occur before a person reaches an expected age, for instance, age 65 or age 75. Premature death rates in the NYC Annual Summary of Vital Statistics use 65 as the expected age. The number of deaths or deaths by select cause(s) relative to the ≤ 65 population in the same geographic area are used to calculate the premature death rate.

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.

Years of Potential Life Lost (Mortality Appendix A Table 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. See also Premature Deaths.

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). After 2012, 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.

Birth Rates

See Vital Event Rates

Data Presentation

Starting with the 2007 summary, items with unknown/not stated values are excluded from the denominator when calculating percentages. This affects Appendix A Tables PO6, PO7, PO11, PO12 and Map PO Figure 11.

Breast Feeding

Breast feeding has been reported on the birth certificate since 2008. It includes infant feeding practices through the first 5 days of life. New York City births must be filed with the Department within five business days of the event.

Place of Birth

Since 1996, home births in Appendix A 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 A: 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 A, Tables PO4-PO7, PO11, and PO12, respectively, include either gestational age categories or a dichotomous indicator of preterm (< 37 weeks gestation) birth.

Beginning 2007, the range for valid gestational age was changed from 20-44 weeks to 17-47 weeks.

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)

Certificates of induced termination of pregnancy 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 ($\geq$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. After 2010, 99.8% of induced terminations of pregnancy and 99.7% of spontaneous terminations of pregnancy were filed electronically. Otherwise, paper forms, authorized by the department may be used for reporting such events.

Spontaneous and Induced Termination of Pregnancy Rates

See Vital Event Rates

PERINATAL PERIODS OF RISK (PPOR)

Perinatal Periods of Risk (PPOR)

Perinatal Periods of Risk (PPOR) is both a community approach and an analytic framework for investigating and reducing infant mortality rates in urban settings. It examines fetal and infant deaths by age at death (fetal, neonatal, post-neonatal) and birthweight (500-1,400 grams, $\geq$1,500 grams). It then groups age at death and birthweight into four categories that identify where the risk factors are that led to the death: "Maternal Health and Prematurity," "Maternal Care," "Newborn Care," and "Infant Health." Communities should be able to use the information from PPOR to mobilize and prioritize prevention efforts.

HISTORICAL TECHNICAL NOTES

POPULATION

POPULATION ESTIMATES

2011-2013

Tables and figures with 2013 and 2014 data use intercensal population estimates determined by Census Bureau in 2013 and 2014 vintage files, respectively. Tables and figures with 2001-2012 data use intercensal population estimates determined by Census Bureau released as of September 2012.

2010-2013

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 as of July 1, 2010. Single-year population data after 2010 are extrapolated based on 2000 and 2010 Census population counts.

2007-2009

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.

2005-2006

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.

2000-2004

Population counts used US Census citywide decennial population counts.

Intercensal years between 1990 and 2000

Intercensal counts were estimated using an exponential formula, which assumes that the growth rate was the same throughout the decade:

$$\frac{pop(t1)}{pop(t0)} = ert$$

(where r is a constant growth rate and t is the time interval).

Intercensal years through 1989

Intercensal counts were estimated using a linear interpolation.

1960, 1970, 1980, 1990, 2000

The population counts for years 1960, 1970, 1980, 1990 and 2000 were US Census counts.

COMMUNITY DISTRICT

2013-2014

Community District population estimates for 2013-2014 were based on Census intercensal estimates by county, age, race, and sex, 2013-2014 vintages, respectively, and interpolated by Bureau of Epi Services. See following description of 2012 data for details.

2012

Community District population estimates for the years 2010-2012 are based on population estimates from 2010 to 2012. Census intercensal estimates by county, age, race, and sex. The 2010 number is adjusted to account for undercount in Brooklyn and Queens as documented by the Department of City Planning. 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, the modified Census 2010, and the intercensal numbers for that year. 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 2001-2011 estimates used in the 2010 and 2011 Summary because the 2010 and 2011 Summary estimates were adjusted to official intercensal estimates consistent with Census 2010 released in October 2012.

2011

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 because they are adjusted to official intercensal estimates consistent with Census 2010 released in October 2012.

2010

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 Department of City Planning 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.

2008-2009

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 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 estimates are derived using the iterative proportional fitting procedure (IPFP) implemented in SAS® Version 9.2. The validity of these estimates depends on vacancy rates, housing unit loss rates, percentage of permits actually constructed, and time to complete construction, which 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.

2005-2006

Year 2000 census counts were used for defining smaller geographic units such as Community Districts or single-year age groups.

HEALTH CENTER DISTRICT

Through 2007

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).

Through 2007

Health Center district data were presented in Summary Reports. Populations for geographic area smaller than borough were based on decennial census data.

2005-2006

Year 2000 census counts were used for defining smaller geographic units such as Community Districts or single-year age groups.

RACE/ETHNIC GROUP

2000-2001

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.

DEMOGRAPHIC CHARACTERISTICS OF VITAL EVENTS

RACE, ANCESTRY AND ETHNIC GROUP

Through 2007

The birth certificate allowed the selection of one race category.

1991-2005

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.

Through 2002

The death certificate allowed the selection of one race category.

1999

The meaning of ancestry was clarified with hospitals, resulting in a notable increase in Hebrew and Jewish ancestry and a decrease in American ancestry.

BIRTHPLACE

2000-2005

Decedent's birthplace was first reported by country in 2000. US Virgin Islands and Guam were included in the "Other" category.

GEOGRAPHICAL UNITS

COMMUNITY DISTRICT

Prior to 2003

Community districts were referred to by number through 2002 and by name after.

PLACE OF BIRTH

Through 1995

Through 1995, all reports of home births included only events filed outside the hospital.

DEATHS

DEATH REPORTING

Through 1992

Medical certifier provided race and ancestry information.

RACE/ETHNICITY

1993 – present

The death certificate was revised in June 1993 to require funeral directors to provide ancestry information, presumably from decedents' family members.

Through 1992

Medical certifier provided ancestry information.

CAUSE OF DEATH CODING

Through 2006

ICD-coding was conducted manually by an NCHS certified nosologist.

ALCOHOL-RELATED DEATHS: ICD CODING

2008 – present

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 F10.0 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.

HIV AND AIDS

1987 to 1999

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.

1983 to 1986

AIDS was recognized as a cause of death and coded as ICD-9 code 279.1.

EXTERNAL CAUSES

Through 1999

External Causes were not shown separately.

DRUG-RELATED DEATHS: ICD CODING

Through 2006

Through 2006, 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, pages 73-75. NCHS coded data is often substituted when presenting external causes of death trends that span 2006 to 2007.

MATERNAL DEATHS AND MATERNAL MORTALITY

Through 1998

Currently labeled "Maternal deaths" were "Complications of pregnancy, childbirth and the puerperium" through 1998.

TECHNICAL NOTES, 2015

ACCIDENTS (UNINTENTIONAL)

Through 1999

Complications of medical care and surgical care were classified as accidents per ICD-9.

Through 1998

The site of accidents (home and public place) has been dropped due to unreliable reporting.

SMOKING-ATTRIBUTABLE MORTALITY (SAM)

Through 2010, 2013

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:

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

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

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

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

Summing across age categories provides the sex-specific estimate of SAM for each disease. Total SAM is the sum of the sex-specific SAM estimates.

WORLD TRADE CENTER DEATHS

2008 – present

See Technical Notes, 2009 regarding late effect WTC-deaths.

2007, 2008

In 2007, a 2002 death was reclassified as a WTC death.

In 2008, a 2001 death was reclassified as a 2001 WTC death.

In 2008, a missing person was classified as a 2001 WTC death per New York State Supreme Court.

2002

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).

FATAL OCCUPATIONAL INJURIES

Through 2002

The industry in which the decedent worked and was injured was coded based on the Standard Industrial Classification (SIC).

WORLD TRADE CENTER DEATHS AND LIFE EXPECTANCY

2002 (Special Section)

Impact of World Trade Center deaths on life expectancy.

BIRTHS

AGE-SPECIFIC BIRTH RATES

Through 2010

Until 2011, the youngest age-specific birth rates included events within the specific age range (e.g. age-specific birth rates to females 15 to 19 include births to females in that age group. Age-specific births to females 15-17 include births to females in that age group.) See current technical notes for change after 2010.

AGE-SPECIFIC BIRTH RATES

Through 2010

Until 2011, the oldest age-specific birth rate presented was 40 to 44. See current technical notes for change after 2010.

TRIMESTER OF FIRST PRENATAL CARE VISIT (LATE OR NO PRENATAL CARE)

2008-2009

Following the 2008 transition to EVERS, the magnitude of births registered without information used to calculate Trimester of First Prenatal Care Visit was great and data were suppressed. By 2010 reporting improved such that data could be released and included in the Summary.

ANCESTRY, OTHER

2008-2010

Following the 2008 transition to EVERS, the number of births registered with an "other" or unknown ancestry increased.

MOTHER'S MARITAL STATUS

Through 1996

Mother's Marital Status was computed using an algorithm developed by NCHS. A 1996 review of marital status indicated that the number of non-marital births was being overestimated. See Special Note on Mother's Marital Status in the 1997 Annual Summary for details.

2008 REVISED NYC BIRTH CERTIFICATE

2008

For comprehensive information on the 2008 revision of the NYC birth certificate, please see the Technical Notes from the 2008 Summary of Vital Statistics http://www1.nyc.gov/assets/doh/downloads/pdf/vs/2008sum.pdf.

INDUCED AND SPONTANEOUS TERMINATION OF PREGNANCY

REPORTING

Through 2007

Induced and spontaneous terminations of pregnancies registered after the annual file closed were added to the following year's data.

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DATE FILED

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

CERTIFICATE OF BIRTH

CERTIFICATE NO.

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

Please complete the following:
Has parent approved assignment of SSN for child? YES ☐ NO ☐

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

Cert. No. _____

Place: _____

Died: Date: _____

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

2. SEX

3a. NUMBER DELIVERED of this pregnancy

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

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

4b. TIME ☐ AM ☐ PM

5. PLACE OF BIRTH

5a. NEW YORK CITY BOROUGH

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

5c. TYPE OF PLACE ☐ Hospital ☐ Freestanding Birthing Center ☐ Clinic/Doctor's Office ☐ Other-specify: _____

☐ Home Delivery: Planned to deliver at home? ☐ Yes ☐ No ☐ 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 a. State b. County

7c. City or town

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

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

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

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

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

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

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

Signed _____

Name of Signer _____ *(Type or Print)*

Address _____

Date Signed _____, Year - yyyy _____

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

Address _____ Apt. _____

City _____ State _____ ZIP _____

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

(Each question MUST be answered)

CONFIDENTIAL MEDICAL REPORT OF BIRTH (1 of 2)

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

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

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

10. PARENT'S RACE

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

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

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

Name of enrolled or principal tribe

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

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

Specify

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

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

Specify

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

☐ Other ☐

Specify

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

11. PARENT'S ANCESTRY

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

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

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

Specify

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

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

Specify

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

12. PARENT'S LENGTH OF TIME IN US

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

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

13. PARENT'S EDUCATION

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

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

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

14. PARENT'S OCCUPATION

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

	1. Current/most recent occupation	2. Kind of 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
☐ C(N)M/NP/PA/Other Midwife
☐ Clinic
☐ No Provider
☐ No Information
☐ 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
☐ Syphilis
☐ Herpes Simplex (HSV)
☐ Chlamydia
☐ Hepatitis B
☐ Hepatitis C
☐ Tuberculosis
☐ Rubella
☐ Bacterial Vaginosis
☐ 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
☐ Cocaine
☐ Methadone
☐ Methamphetamine
☐ Marijuana
☐ Sedatives
☐ Tranquilizers
☐ Anticonvulsants

j. Mother/Parent Pre-Pregnancy Weight _____ pounds

k. Mother/Parent Height _____ feet _____ inches

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

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

17. FINANCIAL COVERAGE

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

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

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

(Each question MUST be answered)

CONFIDENTIAL MEDICAL REPORT OF BIRTH (2 of 2)

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

NAME OF CHILD _____ CERTIFICATE NO. _____

19. LABOR AND DELIVERY

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

If yes, name of facility transferred from

☐ Yes _____

☐ No

b. Mother/Parent Weight at Delivery

_____ pounds

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

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

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

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

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

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

2. Complications from any of the above?

☐ Yes ☐ No

Method of Delivery

f. Fetal Presentation at Birth

☐ Cephalic
☐ Breech
☐ Other

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

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

1. If cesarean, was trial of labor attempted?

☐ Yes ☐ No

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

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

3. Was delivery with forceps attempted but unsuccessful?

☐ Yes ☐ No

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

☐ Failure to progress
☐ Fetus at Risk
☐ Other

5. Was delivery with vacuum extraction attempted but unsuccessful?

☐ Yes ☐ No

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

☐ Failure to progress
☐ Fetus at Risk
☐ Other

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

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

20. INFANT

a. Birthweight

_____ Pounds _____ Ounces or _____ Grams

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

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

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

c. Apgar Score at

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

d. Clinical Estimate of Gestation

Completed Weeks: _____

e. Infant Transferred

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

f. If transferred, name of facility transferred to:

_____

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

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

h. Hepatitis B Inoculation

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

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

i. Is infant living at time of report?

☐ Yes ☐ No

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

☐ Breast milk ☐ Both
☐ Formula ☐ Neither

Congenital Anomalies

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

13. None of those listed above ☐

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

CERTIFICATE OF DEATH

Certificate No.

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

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

Place Of Death — 2a. New York City / 2b. Borough

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

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

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

Date and Time of Death — 3a. (Month) (Day) (Year-yyyy)

3b. Time ❑ AM ❑ PM

4. Sex

5. Date last attended by a Physician — mm / dd / yyyy

6. Certifier: I certify that death occurred at the time, date and place indicated and that to the best of my knowledge traumatic injury or poisoning DID NOT play any part in causing death, and that death did not occur in any unusual manner and was due entirely to NATURAL CAUSES. **See instructions on reverse of certificate.**

Name of Physician _____ (Type or Print) Signature _____ D.O. M.D.

Address _____ License No. _____ Date _____

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

7a. Usual Residence State | 7b. County | 7c. City or Town | 7d. Street and Number Apt. No. ZIP Code | 7e. Inside City Limits? 1 ❑ Yes 2 ❑ No

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

9. Age at last birthday (years) 1

Under 1 Year: Months 2 / Days 3

Under 1 Day: Hours 4 / Minutes 5

10. Social Security No.

11a. Usual Occupation (Type of work done during most of working life. Do not use "retired")

11b. Kind of business or industry

12. Aliases or AKAs

13. Birthplace (City & State or Foreign Country)

14. Education (Check the box that best describes the highest degree or level of school completed at the time of death)
1 ❑ 8th grade or less; none
2 ❑ 9th – 12th grade; no diploma
3 ❑ High school graduate or GED
4 ❑ Some college credit, but no degree
5 ❑ Associate degree (e.g., AA, AS)
6 ❑ Bachelor's degree (e.g., BA, AB, BS)
7 ❑ Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA)
8 ❑ Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)

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

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

17. Surviving Spouse's/Partner's Name (If wife, name prior to first marriage)(First, Middle, Last)

18. Father's Name (First, Middle, Last)

19. Mother's Maiden Name (Prior to first marriage) (First, Middle, Last)

20a. Informant's Name | 20b. Relationship to Decedent | 20c. Address (Street and Number Apt. No. City & State ZIP Code)

21a. Method of Disposition
1 ❑ Burial
2 ❑ Cremation
3 ❑ Entombment
4 ❑ City Cemetery
5 ❑ Other Specify _____

21b. Place of Disposition (Name of cemetery, crematory, other place)

21c. Location of Disposition (City & State or Foreign Country)

21d. Date of Disposition mm dd yyyy

22a. Funeral Establishment

22b. Address (Street and Number City & State ZIP Code)

VR 15 (Rev. 01/09)

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

CONFIDENTIAL MEDICAL REPORT

VR 15 (Rev. 01/09)

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

Certificate No.

23. Ancestry (Check one box and specify)

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

Specify _____

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

Specify _____

24. Race as defined by the U.S. Census (Check one or more to indicate what the decedent considered himself or herself to be)

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

DECEDENT'S LEGAL NAME (Type or Print)

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

IMMEDIATE CAUSE → FINAL disease or condition resulting in death.

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

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

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

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

PART I		APPROXIMATE INTERVAL: ONSET TO DEATH
	a. IMMEDIATE CAUSE	
	b. DUE TO OR AS A CONSEQUENCE OF	
	c. DUE TO OR AS A CONSEQUENCE OF	
	d. DUE TO OR AS A CONSEQUENCE OF	
PART II	OTHER SIGNIFICANT CONDITIONS CONTRIBUTING TO DEATH but not resulting in the underlying cause given in Part I. Include operation information.	

26a. Was an autopsy performed? 1 ❑ Yes 2 ❑ No

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

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

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

27c. Date of Outcome: mm dd yyyy

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

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

30. For infant under one year: Name and address of hospital or other place of birth

I am submitting herewith a confidential report of the cause of death.

SIGNATURE _____ D.O. M.D. ADDRESS _____ LICENSE NO. _____

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

CERTIFICATE OF DEATH

Certificate No.

❑ New
❑ Corr/Amend
❑ Replacement

DOHMH USE ONLY

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

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

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

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

Place Of Death — 2a. New York City / 2b. Borough

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

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

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

Date and Time of Death or Found Dead — 3a. (Month) (Day) (Year-yyyy) — 3b. Time ❑ AM ❑ PM — 4. Sex — 5. OCME Case No.

6. CAUSE OF DEATH

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

APPROXIMATE INTERVAL: ONSET TO DEATH

PART II
Other significant conditions contributing to death but not resulting in the underlying cause given in Part I. Include operation information.

7a. Injury Date (mm dd yyyy) — 7b. Time ❑ AM ❑ PM — 7c. At Work 1 ❑ Yes 2 ❑ No — 7d. Place of Injury – At home, factory, street, etc. — 7e. Location

7f. How Injury Occurred

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

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

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

10. On the basis of examination and/or investigation, in my opinion, death occurred due to the causes and manner as stated:
Certifier Signature _____ D.O. M.D. Date _____
Certifier Name (Print) _____
(Medical Investigator) (Deputy Chief) (Chief) (Medical Examiner)

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

11a. Usual Residence State — 11b. County — 11c. City or Town — 11d. Street and Number Apt. No. ZIP Code — 11e. Inside City Limits? 1 ❑ Yes 2 ❑ No

12. Date of Birth (Month) (Day) (Year-yyyy) — 13. Age at last birthday (years) 1 — Under 1 Year: Months 2 / Days 3 — Under 1 Day: Hours 4 / Minutes 5 — 14. Social Security No.

15a. Usual Occupation (Type of work done during most of working life. Do not use "retired") — 15b. Kind of business or industry — 16. Aliases or AKAs

17. Birthplace (City & State or Foreign Country)

18. Education (Check the box that best describes the highest degree or level of school completed at the time of death)
1 ❑ 8th grade or less; none
2 ❑ 9th – 12th grade; no diploma
3 ❑ High school graduate or GED
4 ❑ Some college credit, but no degree
5 ❑ Associate degree (e.g., AA, AS)
6 ❑ Bachelor's degree (e.g., BA, AB, BS)
7 ❑ Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA)
8 ❑ Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)

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

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

21. Surviving Spouse's/Partner's Name (If wife, name prior to first marriage)(First, Middle, Last)

22. Father's Name (First, Middle, Last) — 23. Mother's Maiden Name (Prior to first marriage) (First, Middle, Last)

24a. Informant's Name — 24b. Relationship to Decedent — 24c. Address (Street and Number Apt. No. City & State ZIP Code)

25a. Method of Disposition: 1 ❑ Burial 2 ❑ Cremation 3 ❑ Entombment 4 ❑ City Cemetery 5 ❑ Other Specify _____

25b. Place of Disposition (Name of cemetery, crematory, other place)

25c. Location of Disposition (City & State or Foreign Country) — 25d. Date of Disposition mm dd yyyy

26a. Funeral Establishment — 26b. Address (Street and Number City & State ZIP Code)

VR 16 (Rev. 01/09)

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

MEDICAL EXAMINER'S SUPPLEMENTARY REPORT

VR 16 (Rev. 01/09)

Certificate No.

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

27. Ancestry (Check one box and specify)

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

Specify _____

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

Specify _____

28. Race as defined by the U.S. Census (Check one or more to indicate what the decedent considered himself or herself to be)

01 ❑ White 02 ❑ Black or African American

03 ❑ American Indian or Alaska Native (Name of enrolled or principal tribe) _____

04 ❑ Asian Indian 05 ❑ Chinese

06 ❑ Filipino 07 ❑ Japanese

08 ❑ Korean 09 ❑ Vietnamese

10 ❑ Other Asian–Specify _____

11 ❑ Native Hawaiian 12 ❑ Guamanian or Chamorro

13 ❑ Samoan

14 ❑ Other Pacific Islander–Specify _____

15 ❑ Other–Specify _____

DECEDENT'S LEGAL NAME (Type or Print)

29a. If Female

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

29b. If pregnant within one year of death, outcome of pregnancy

1 ❑ Live Birth
2 ❑ Spontaneous Termination / Ectopic Pregnancy
3 ❑ Induced Termination 4 ❑ None

29c. Date of Outcome

mm	dd	yyyy

30. Did tobacco use contribute to death?

1 ❑ Yes 2 ❑ No 3 ❑ Probably 4 ❑ Unknown

31. For infant under one year: Name and address of hospital or other place of birth

Cleared For Cremation If Family Requests

_____
M.E. Signature

I certify that I personally examined the body on

_____ (Date) at _____ (Location)

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

or

I did not personally examine the body after death.

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

DATE FILED

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 *(Month) (Day) (Year-yyyy)*

2b. TIME _____ ☐ AM ☐ PM ☐ Unknown

3. SEX ☐ Male ☐ Unknown ☐ Female

4. OBSTETRIC ESTIMATE OF GESTATION _____ # of weeks

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
☐ Hospital – ER/ED ☐ Freestanding Birthing Center
☐ Hospital – Amb. Surg. ☐ Home
☐ Hospital – Labor/Labor and Delivery ☐ Clinic/Doctor's Office
☐ Hospital – Other ☐ Other, Specify _____ ☐ Unknown

6b. FACILITY NAME/ADDRESS

If not in facility, street address: (Street Number and Name, City or Town, County, State, Country, Zip Code)

MOTHER/PARENT

7. CURRENT LEGAL NAME: (First, Middle, Last, Suffix)

9. DATE OF BIRTH *(Month) (Day) (Year-yyyy)*

12. BIRTHPLACE City _____ State _____ Country

8. NAME PRIOR TO FIRST MARRIAGE: (First, Middle, Last, Suffix)

10. AGE

11. SEX ☐ Male ☐ Female

13. RESIDENCE ADDRESS: (Street Number and Name, Apt. No., City or Town, County, State, Country, Zip Code)

14. INSIDE CITY LIMITS? ☐ Yes ☐ Unknown ☐ No

FATHER/PARENT

15. NAME PRIOR TO FIRST MARRIAGE: (First, Middle, Last, Suffix)

16. DATE OF BIRTH *(Month) (Day) (Year-yyyy)*

19. BIRTHPLACE City _____ State _____ Country

17. AGE

18. SEX ☐ Male ☐ Female

ATTENDANT/CERTIFIER

20. ATTENDANT NAME AT DELIVERY: ☐ MD ☐ DO ☐ LIC. Midwife ☐ RPA ☐ Other, *(specify)* _____

(First, Middle, Last, Suffix)

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. ☐ MD ☐ 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 _____ *(Name of person in control of disposition)*

of _____ *(Address)*. This statement is made to obtain a disposition permit

for this fetus _____ *(Signature of Funeral Director)* *(License No.)*

Funeral Establishment _____ Business Registration No. _____

Address _____

NAME OF CEMETERY OR CREMATORY (OR DESTINATION)	CITY OR COUNTY AND STATE	DATE OF DISPOSITION *(Month) (Day) (Year-yyyy)*

VR-17
(REV. 01/10)

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

(Each question MUST be answered)

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, MEng, 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

	1. Current/most recent occupation	2. Kind of business or industry
b. Mother/Parent		
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.)

Specify

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

NOT Hispanic (Italian, African American, Haitian, Pakistani, Ukranian,

- ☐ Nigerian, Taiwanese, etc.)

Specify

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

- ☐ 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

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)

- ☐ 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 (Mother/Parent) _____ (Father/Parent)

or if <1 yr, months

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

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).

- ☐ 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

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
- ☐ Cocaine
- ☐ Methadone
- ☐ Methamphetamine
- ☐ Marijuana
- ☐ Sedatives
- ☐ Tranquilizers
- ☐ Anticonvulsants
- ☐ Other
- ☐ 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

If yes, how many? _____

- ☐ Other
- ☐ None
- ☐ Unknown

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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)

- ☐ Gonorrhea
- ☐ Syphilis
- ☐ Herpes Simplex (HSV)
- ☐ Chlamydia
- ☐ Bacterial Vaginosis
- ☐ Hepatitis B
- ☐ Hepatitis C
- ☐ Listeria
- ☐ Group B Strep
- ☐ Tuberculosis
- ☐ Rubella
- ☐ Cytomegalovirus
- ☐ Parvovirus
- ☐ Toxoplasmosis
- ☐ Other
- ☐ None
- ☐ Unknown

32. DELIVERY

a. Method of Delivery

1. Was delivery with forceps attempted but unsuccessful?
☐ Attempted and successful ☐ Attempted and unsuccessful
☐ Forceps were not used ☐ Unknown

2. Was delivery with vacuum extraction attempted but unsuccessful?
☐ Attempted and successful ☐ Attempted and unsuccessful
☐ Vacuum extraction was not used ☐ Unknown

3. Fetal presentation at delivery
- ☐ Cephalic
- ☐ Breech
- ☐ Other
- ☐ Unknown

4. Final route and method of delivery
(Check **one**)
- ☐ Vaginal/Spontaneous
- ☐ Vaginal/Forceps
- ☐ Vaginal/Vacuum
  Vaginal delivery after a previous C-section?
  ☐ Yes ☐ No ☐ Unknown
- ☐ Primary Cesarean
- ☐ Repeat Cesarean
  If cesarean, was a trial of labor attempted?
  ☐ Yes ☐ No ☐ Unknown

5. Hysterotomy/Hysterectomy
☐ Yes ☐ No ☐ Unknown

b. Maternal Morbidity (Check **all** that apply)
(Complications associated with labor and delivery)
- ☐ Maternal transfusion
- ☐ Third or fourth degree perineal laceration
- ☐ Ruptured uterus
- ☐ Unplanned hysterectomy
- ☐ Admission to intensive care unit
- ☐ Unplanned operating room procedure following delivery
- ☐ Hemorrhage
- ☐ Postpartum transfer to a higher level of care
- ☐ Other
- ☐ None
- ☐ Unknown

c. Was mother transferred for maternal medical or fetal indication prior to delivery?
☐ Yes ☐ No ☐ Unknown

If yes, name of facility transferred from:

_____

33. FETAL ATTRIBUTES

a. Weight of Fetus (grams preferred, specify unit)

_____ ☐ lb/oz _____ ☐ grams

b. Estimated Time of Fetal Death
- ☐ Death at time of first assessment, no labor ongoing
- ☐ Death at time of first assessment, labor ongoing
- ☐ Died during labor, after first assessment
- ☐ Unknown time of fetal death

c. Was an autopsy performed?
☐ Yes ☐ No ☐ Planned

d. Was a histological placental examination performed?
☐ Yes ☐ No ☐ Planned

e. Were autopsy or histological placental examination results used in determining the cause of fetal death?
☐ Yes ☐ No ☐ Unknown

f. Congenital Anomalies of the Fetus
(Check **all** that apply)
- ☐ Anencephaly
- ☐ Meningomyelocele/Spina bifida
- ☐ Cyanotic congenital heart disease
- ☐ Congenital diaphragmatic hernia
- ☐ Omphalocele
- ☐ Gastroschisis
- ☐ Limb reduction defect (excluding congenital amputation and dwarfing syndromes)
- ☐ Cleft lip with or without cleft palate
- ☐ Cleft palate alone
- ☐ Down syndrome
  - ☐ Karyotype confirmed
  - ☐ Karyotype pending
- ☐ Suspected chromosomal disorder
  - ☐ Karyotype confirmed
  - ☐ Karyotype pending
- ☐ Hypospadias
- ☐ Other
- ☐ None
- ☐ Unknown

DATE FILED
(For Health Dept. Use Only)

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
☐ Hospital ☐ Shared Facility
☐ Clinic (Article 28) ☐ Doctor's Office
☐ Clinic (non-Article 28) ☐ Unknown
☐ Other type _____

3A. FACILITY NAME

3B. FACILITY ADDRESS
Street Number and Name Apt. #, Suite #, etc.

City or Town | County | State | Country | ZIP Code

4. PRIMARY FINANCIAL COVERAGE THIS TERMINATION
☐ Medicaid ☐ Self Pay
☐ Other Govt. Insurance ☐ Unknown
☐ Private Insurance

PATIENT

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

8. NEVER LIVED IN UNITED STATES ☐
If born outside of the United States, how long lived in U.S.? _____ (years)
Or if less than 1 year, _____ (months)

9. PATIENT'S USUAL RESIDENCE (COMPLETE ONLY ONE)
☐ **New York City** ZIP Code ____|____|____|____|____
☐ Manhattan ☐ Bronx ☐ Brooklyn ☐ Queens ☐ Staten Island
☐ Unknown
☐ **New York State (Outside NYC)**
City or Town | County | ZIP Code
☐ **Outside NYS** _____ (U.S. State)
☐ **Outside U.S.** _____ (Foreign Country)

PATIENT ATTRIBUTES

10. EDUCATION
☐ 8th grade or less; none
☐ 9th–12th grade, no diploma
☐ High school graduate or GED completed
☐ Some college credit, but no degree
☐ Associate degree
☐ Bachelor's degree
☐ Master's degree
☐ Doctorate or Professional degree
☐ Unknown

11. ANCESTRY (CHECK ONE BOX AND SPECIFY)
☐ Hispanic *(Mexican, Puerto Rican, Cuban, Dominican, etc.)*
Specify _____
☐ NOT Hispanic *(Italian, African American, Haitian, Pakistani, Ukranian, Nigerian, Taiwanese, etc.)*
Specify _____
☐ Unknown

12. RACE
Race as defined by the U.S. Census. (Check one or more to indicate what the patient considers herself to be.)
☐ White
☐ Black or African American
☐ American Indian or Alaska Native (specify tribe) _____
☐ Asian Indian
☐ Chinese
☐ Filipino
☐ Japanese
☐ Korean
☐ Vietnamese
☐ Other Asian (specify) _____
☐ Native Hawaiian
☐ Guamanian or Chamorro
☐ Samoan
☐ Other Pacific Islander (specify) _____
☐ Other (specify) _____
☐ Unknown

13. MARITAL/PARTNERSHIP STATUS
☐ Married
☐ Domestic Partnership
☐ Divorced
☐ Married, but separated
☐ Never Married
☐ Widowed
☐ Other, Specify _____
☐ Unknown

MEDICAL

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 _____ ☐ None
b. Born Alive Now Living _____ ☐ None
c. Born Alive Now Dead _____ ☐ None
d. Total Number of Other Pregnancy Outcomes _____ ☐ None
e. Number of Spontaneous Terminations _____ ☐ None
f. Number of Induced Terminations _____ ☐ None

17. TERMINATION PROCEDURE

17A. PRIMARY PROCEDURE (CHECK ONLY ONE)
☐ Suction Curettage
☐ Sharp Curettage (D&C)
☐ Dilation and Evacuation (D&E)
☐ Intra-Uterine Instillation
☐ Hysterotomy/Hysterectomy
☐ Misoprostol
☐ Mifepristone and Misoprostol
☐ Methotrexate and Misoprostol
☐ Other Medical (nonsurgical) Specify Medications _____
☐ Other, Specify _____

17B. ADDITIONAL PROCEDURES (CHECK ALL THAT APPLY)
☐ None
☐ Suction Curettage
☐ Sharp Curettage (D&C)
☐ Dilation and Evacuation (D&E)
☐ Intra-Uterine Instillation
☐ Hysterotomy/Hysterectomy
☐ Misoprostol
☐ Mifepristone and Misoprostol
☐ Methotrexate and Misoprostol
☐ Other Medical (nonsurgical) Specify Medications _____
☐ Other, Specify _____

18. CONTRACEPTIVE METHOD PRESCRIBED AND/OR DISPENSED AFTER THIS PROCEDURE (Check all that apply)
☐ None Offered ☐ Oral Contraceptive Pills ☐ Injection ☐ Contraceptive Patch ☐ Diaphragm ☐ Emergency Contraception
☐ Offered but Declined ☐ Condoms ☐ Contraceptive Implant ☐ Cervical Vaginal Ring ☐ IUD ☐ Other, Specify _____

19. ATTENDANT NAME AT TERMINATION:
_____ ☐ MD ☐ DO ☐ NP
(First, Middle, Last, Suffix)

ATTENDANT/CERTIFIER

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.
_____ ☐ MD ☐ DO ☐ NP
Signature of Certifier

_____
Name of Certifier

_____
Address

_____ _____/_____/_____
License No. *Date*

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(REV. 01/13)