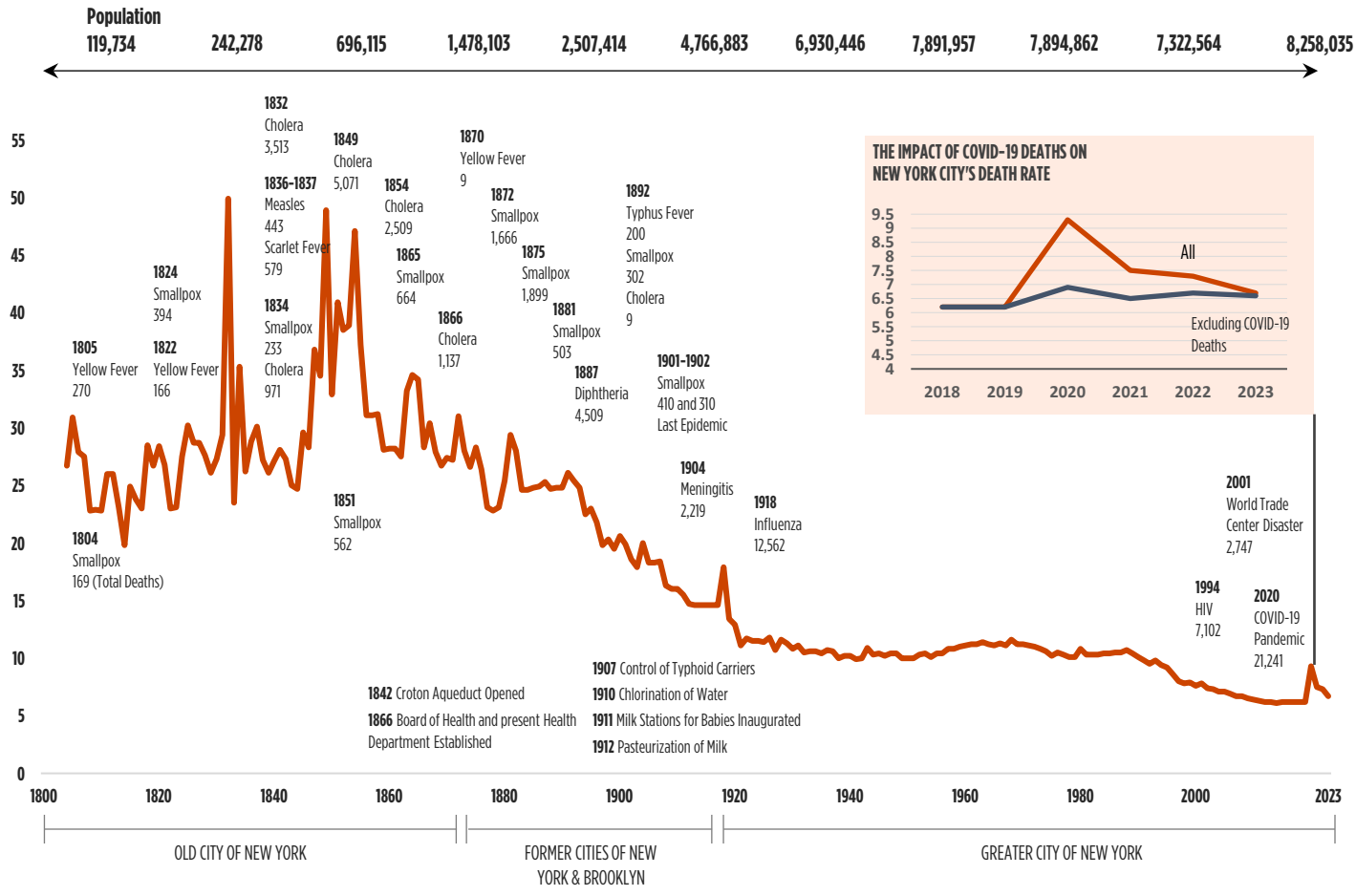
Summary of Vital Statistics 2023

The Conquest of Pestilence in New York City

...As Shown by the Death Rate as Recorded in the Official Records of the Department of Health and Mental Hygiene

Deaths per 1,000 Population



Bureau of Vital Statistics, New York City Department of Health and Mental Hygiene
125 Worth Street, CN 7, New York, New York, 10013

NYC Health

SUMMARY OF VITAL STATISTICS

2023

The City of New York

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Michelle Morse, MD, MPH, Acting Commissioner

In Memory of Joseph Kennedy

This report was prepared by the Office of Vital Statistics, New York City Department of Health and Mental Hygiene, under the direction of Wenhui Li, PhD and Kacie Seil, MPH.
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NYC Health

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NEW YORK CITY DEPARTMENT OF HEALTH AND MENTAL HYGIENE
Michelle Morse, MD, MPH
Acting Commissioner

Dear Fellow New Yorker:

The New York City Department of Health and Mental Hygiene's Annual Summary of Vital Statistics highlights trends in births and deaths that occur in New York City. The 2023 data and trends highlight the current state of health in New York City, reflecting the city's recovery from the COVID-19 pandemic. Vital statistics data are used to inform our programs and policies, as they contain information on major drivers of population health. For example, vital statistics data are used in the HealthyNYC campaign, which aims to increase the life expectancy of New Yorkers to 83 years or higher by 2030. This report, however, does not provide deep context on how or why there are differences in outcomes between sub-populations – though much work at the NYC Health Department does investigate sources of health inequities. In 2021, the NYC Board of Health passed a resolution that declared racism a public health crisis. Structural racism, classism, gender inequity, and numerous other factors related to social determinants of health do shape the findings herein. The NYC Health Department is committed to ensuring that our internal and external policies and practices promote the health of all New Yorkers.

Highlights from our 2023 report, which begins on the next page, include:

Life expectancy

- In 2023, citywide life expectancy at birth was 82.6 years, increasing by 1.1 years since 2022.
- Non-Hispanic/Latino Black New Yorkers had the lowest life expectancy among racial/ethnic groups at 78.3 years, while life expectancy among non-Hispanic/Latino white New Yorkers was 83.3 years. The inequities that worsened due to the COVID pandemic have improved, but the gap between groups is still greater than it was in 2019.
- In 2023, the life expectancy for the Asian and Pacific Islander New Yorkers exceeded all other race/ethnicity groups, at 86.9 years.

Mortality rates

- In 2023, the COVID-19 age-adjusted death rate decreased substantially, from 40.5 deaths per 100,000 population in 2022 to 7.7 per 100,000 population in 2023.
- In 2023, the age-adjusted death rate also decreased to 529.8 per 100,000 population, down from 579.2 in 2022. However, the rate is still higher than the 2019 rate of 512.7 per 100,000 population.
- The citywide age-adjusted premature death rate decreased by 5.0% from 2022 (220.3 per 100,000 population) to 2023 (209.2 per 100,000 population). However, the rate is still higher than the 2019 rate of 180.2 per 100,000 population.
- The crude unintentional drug overdose rate slightly increased in 2023, with a 0.5% increase from 2022. The drug-related death rate was highest among non-Hispanic/Latino Black New Yorkers. The drug-related death rate for 55-64 year-olds was higher than all other age groups. In the past 10 years, rates have increased across NYC, but the increase was highest in high poverty neighborhoods (425.3%).
- The infant mortality rate was 4.2 infant deaths per 1,000 live births in 2023, a 2.3% decrease from 2022, and the rate for non-Hispanic/Latino Black New Yorkers was 3.8 times the rate for non-Hispanic/Latino whites. The rate may vary from year to year due to small numbers.

Birth rate

- In 2023, New York City's birth rate was 11.9 births per 1,000 population, which remained same since 2022.

These data inform our programmatic priorities and to also illuminate the long-term impact of structural racism, particularly for Black New Yorkers. The Health Department is committed to strengthening the agency's ability to use data to identify, understand, and address health inequities in New York City.

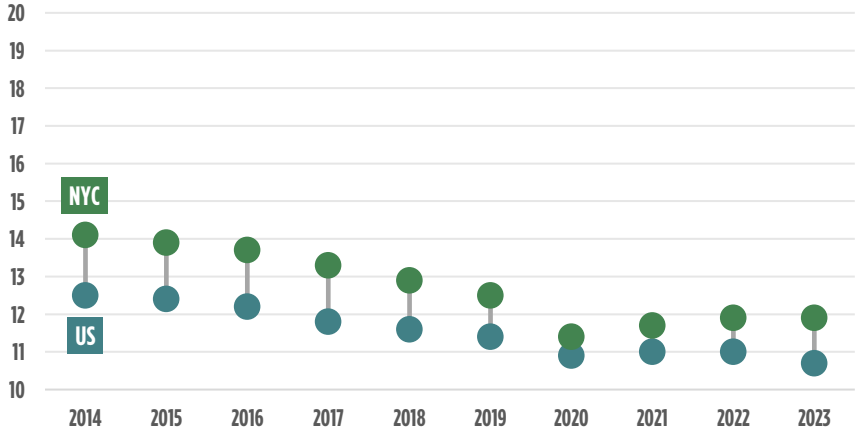
Sincerely,

Michelle Morse, MD, MPH
Acting Commissioner

- In 2023, the birth rate was highest among non-Hispanic/Latino white people at 13.5 births per 1,000 population, followed by 12.6 among Hispanic/Latino people, 11.0 among Asian and Pacific Islander people, and 9.2 among non-Hispanic/Latino Black people.
- In 2023, the Community District with the highest crude birth rate was Borough Park with 24.1 births per 1,000 population; the Community District with the lowest crude birth rate was the Lower East Side with 4.2 births per 1,000 population.

Pregnancy Outcomes

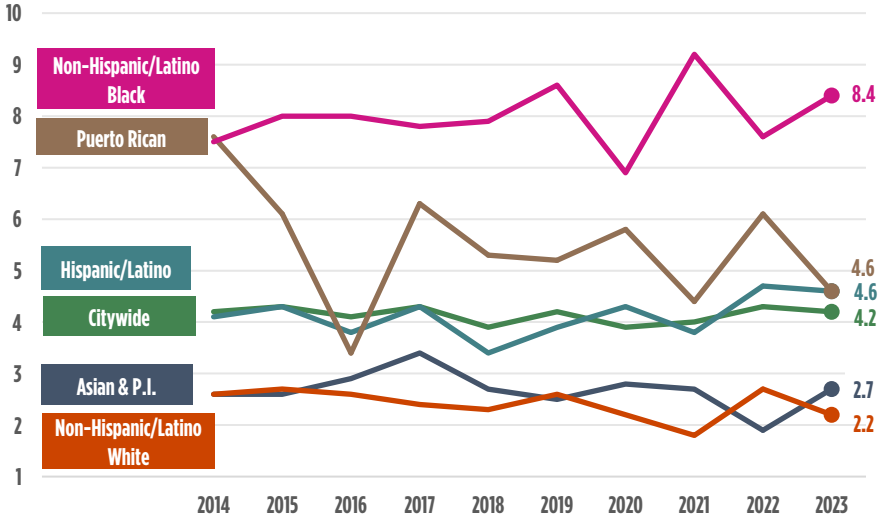
The 2023 citywide crude birth rate was 11.9 births per 1,000 population, remaining unchanged from 2022. New York City's birth rate has experienced a modest decrease in the past ten years, as has the United States' birth rate.



- In 2023, New York City had an infant mortality rate of 4.2 infant deaths per 1,000 live births. This represents a slight decrease of 2.3% from 2022 (4.3 infant deaths per 1,000 live births). Due to the small number of infant deaths, the rate may fluctuate from year to year.
- The infant mortality rate has remained the same since 2014, with no decline observed from 2014 to 2023.
- The infant mortality rate disparity between non-Hispanic/Latino Black infants and non-Hispanic/Latino white infants increased from 2.8 in 2022 to 3.8 in 2023. The disparity in infant mortality rates between Puerto Rican infants and non-Hispanic/Latino white infants decreased slightly from 2.3 in 2022 to 2.1 in 2023. These changes may be due to the small number of infant deaths from year to year.
- The overall fetal-infant mortality rate in New York City was 6.3 per 1,000 live births in 2023, reflecting a 1.6% decrease from 2022.

Infant Mortality

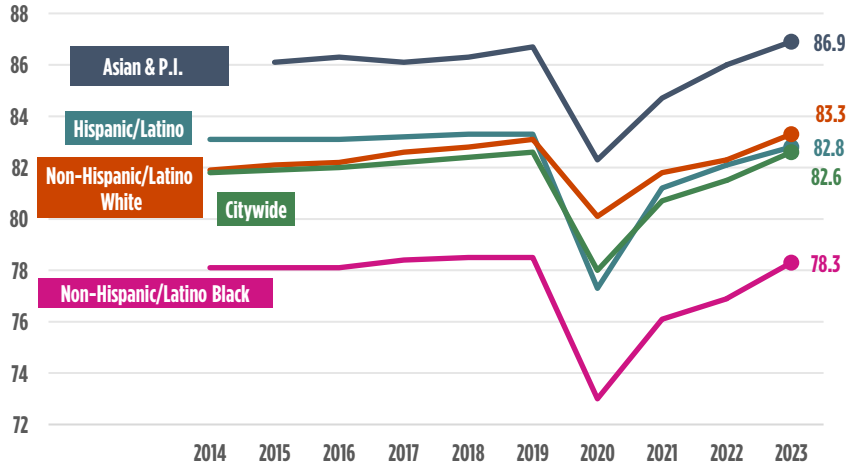
Infant mortality rates increased from 2022 to 2023 among Asian and Pacific Islander infants and non-Hispanic/Latino Black infants, for which the rates increased by 42.1% and 10.5%, respectively. During the same time, infant mortality rates declined among Puerto Rican infants by 24.6%, non-Hispanic/Latino white infants by 18.5%, and Other Hispanic/Latino infants by 2.1%.



- New York City's life expectancy at birth in 2023 was 82.6 years, increasing by 1.1 years since 2022.
- From 2022 to 2023, life expectancy increased by 1.4 years among non-Hispanic/Latino Black people, 0.7 years among Hispanic/Latino people, 1.0 year among non-Hispanic/Latino white people, and 0.9 years among Asians and Pacific Islander people.

Life Expectancy at Birth

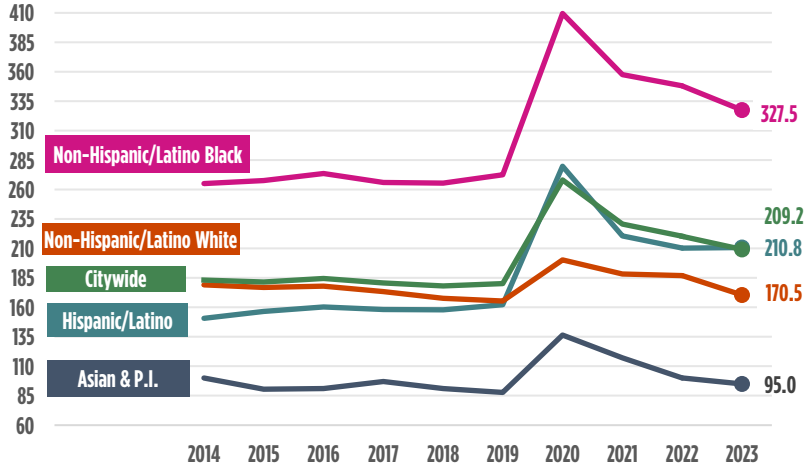
The New York City 2023 life expectancy at birth was 82.8 years among Hispanic/Latino people, 83.3 years among non-Hispanic/Latino white people, 78.3 years among non-Hispanic/Latino Black people, and 86.9 years among Asian and Pacific Islander people. Life expectancy for each racial/ethnic group has increased since 2022.



- The citywide age-adjusted death rate decreased from 579.2 per 100,000 population in 2022 to 529.8 in 2023 (an 8.5% decrease).
- From 2022 to 2023, the age-adjusted death rate decreased among Hispanic/Latino people by 7.3%, among non-Hispanic/Latino Black people by 9.0%, among non-Hispanic/Latino white people by 8.9%, and among Asian and Pacific Islander people by 10.8%.

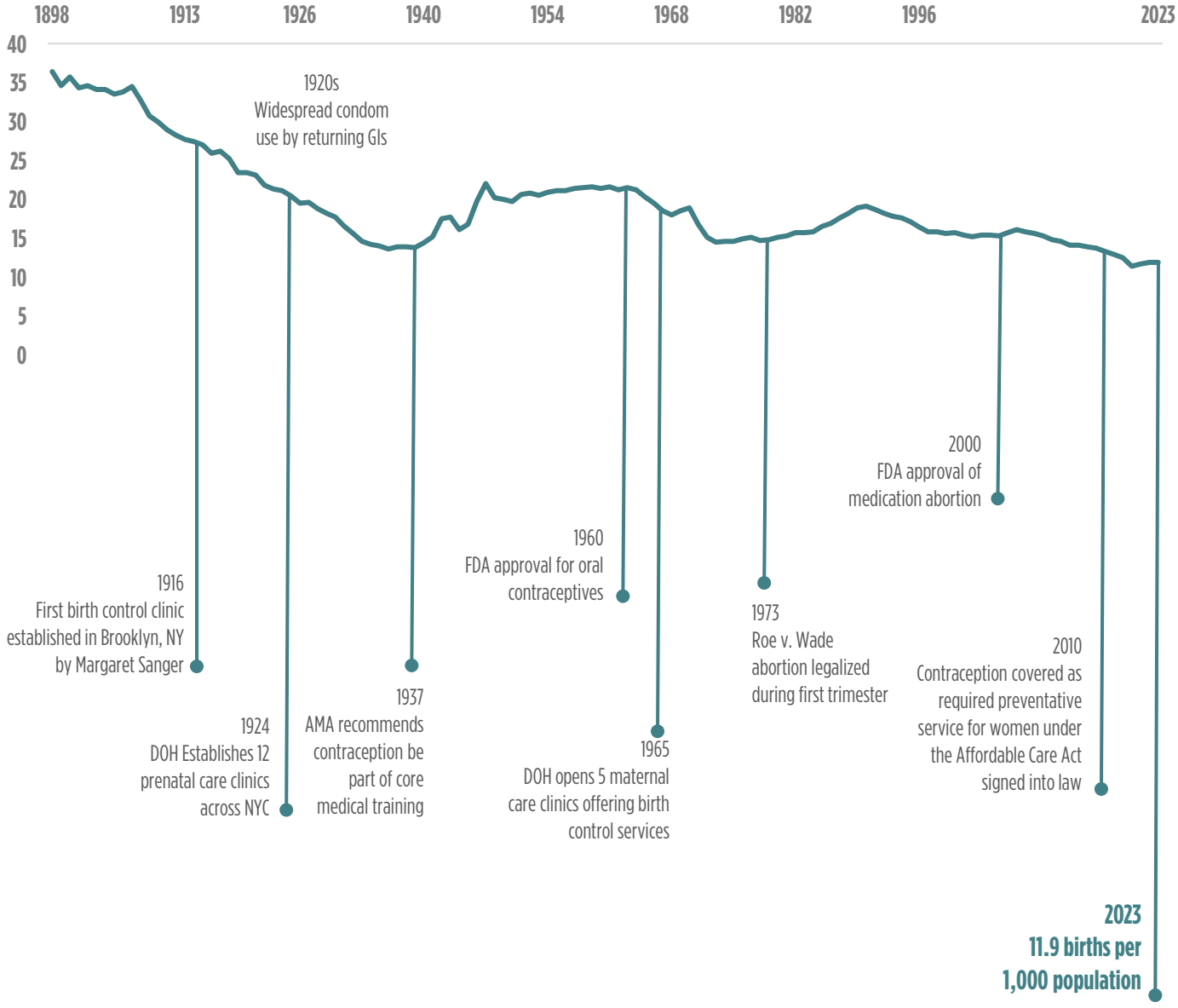
Mortality

From 2022 to 2023, the age-adjusted premature mortality rate decreased among non-Hispanic/Latino white people by 8.8%, among non-Hispanic/Latino Black people by 5.9%, and among Asian and Pacific Islander people by 5.1%, but increased among Hispanic/Latino people by 0.2%.



PREGNANCY OUTCOMES

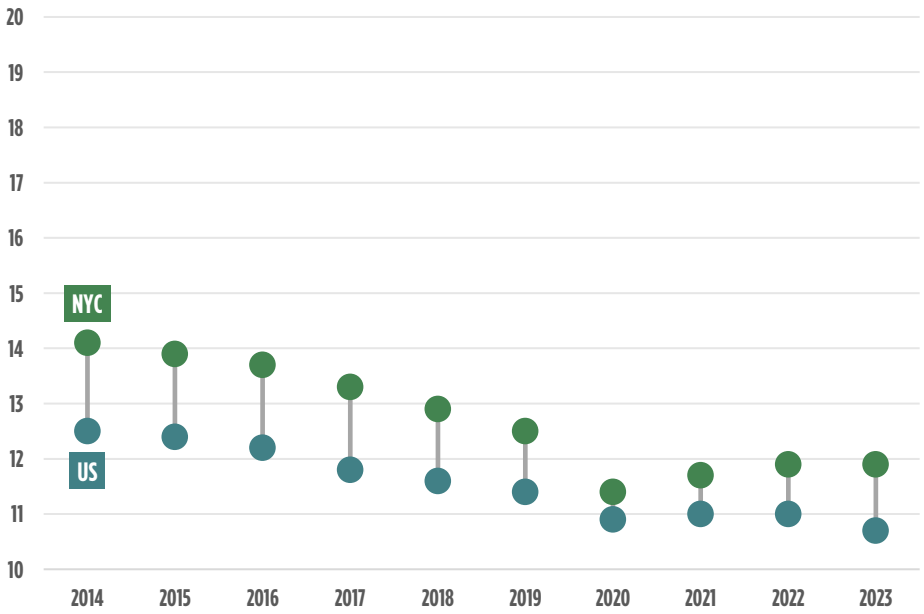
Birth Rate Per 1,000 Population Over Time



PREGNANCY OUTCOMES

Figure 1. Birth Rates, New York City and the United States, 2014–2023

The 2023 citywide crude birth rate was 11.9 births per 1,000 population. New York City's birth rate has experienced a modest decline in the past ten years, as has the United States' birth rate.



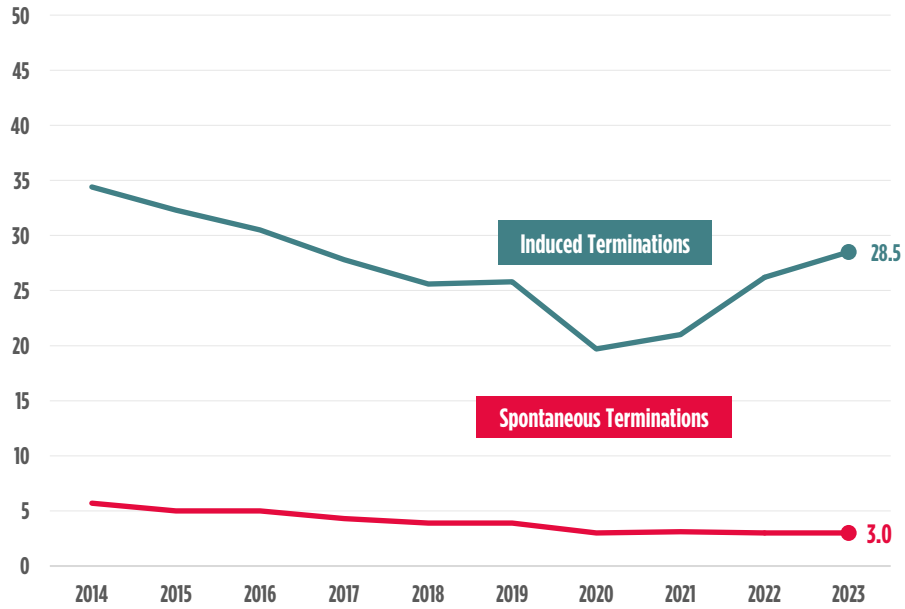
The 2023 citywide birth rate remained the same, unchanged from 2022, but it decreased by 15.6% since 2014.

There were 98,389 live births in 2023, representing a 1.1% decrease from 2022. After a slight increase between 2021 and 2022, the numbers continued a general downward trend. The population also decreased from 2022 to 2023 by 0.9%.

New York City's 2023 crude birth rate was slightly higher than the United States rate (11.9 vs. 10.7 nationwide), consistent with previous years.

Figure 2. Spontaneous and Induced Termination of Pregnancy Rates, New York City, 2014-2023

The 2023 citywide crude spontaneous termination of pregnancy (miscarriages and stillbirths) rate was 3.0 terminations per 1,000 females aged 15 to 44 years, remaining unchanged since 2022.



The spontaneous termination of pregnancy rate has ranged between 3.0 and 5.7 terminations per 1,000 females aged 15 to 44 years since 2014.

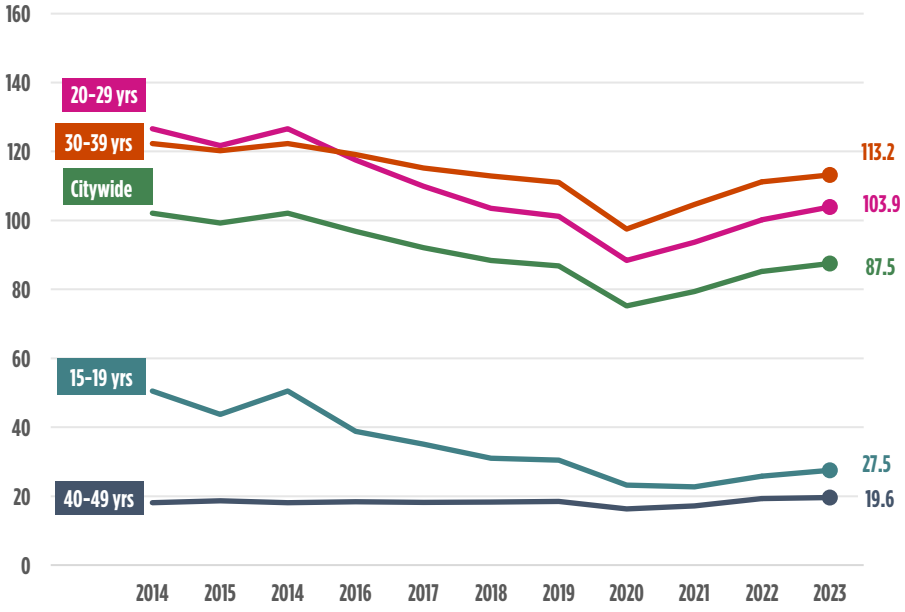
Changes in rates of spontaneous terminations of pregnancy may be due to variations in the reporting of these events by facilities rather than true changes in such events. For example, some facilities may fail to report very early gestational age spontaneous terminations. DOHMH continues to conduct outreach and education of targeted medical facilities about legal reporting requirements.

The 2023 citywide crude rate of induced terminations of pregnancy was 28.5 terminations per 1,000 females aged 15 to 44 years, increasing by 8.8% since 2022. However, since 2014, the rate has decreased by 17.2%, from 34.4 to 28.5 terminations per 1,000 females aged 15 to 44 years.

PREGNANCY OUTCOMES

Figure 3. Pregnancy Rates* by Woman's Age Group, New York City, 2014-2023

In 2023, women aged 30 to 39 years had the highest rate of pregnancy (live births, induced terminations, and spontaneous terminations) at 113.2 pregnancies per 1,000 females aged 30 to 39 years.



*See Technical Notes for the definition of pregnancy rate.

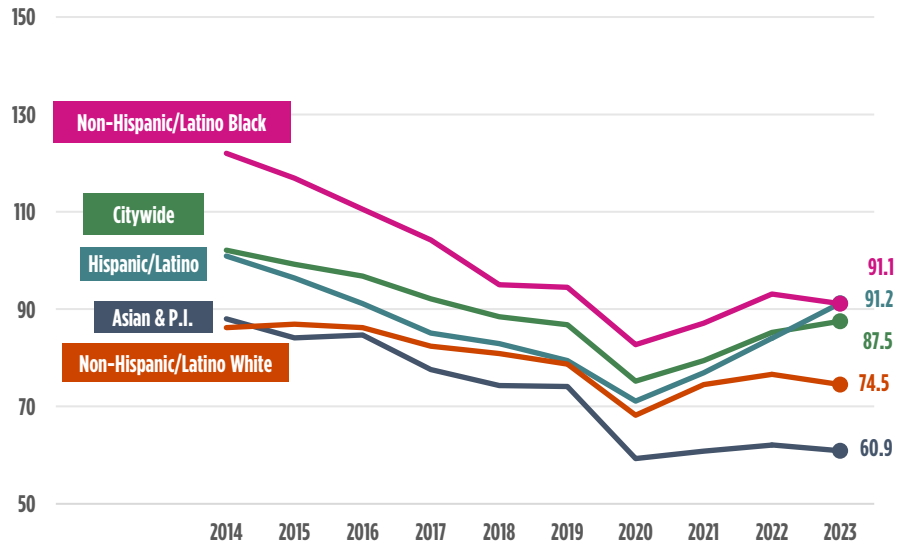
The second highest rate of pregnancy was for women aged 20-29, at 103.9, then women 15 to 19 years old and 40 to 49 years old, with pregnancy rates of 27.5 and 19.6, respectively.

Since 2014, pregnancy rates have decreased by 17.9% among women aged 20-29 years old, and by 7.4% among women aged 30-39 years old; however, they have increased by 8.3% among women aged 40-49 years old.

The teen pregnancy rate (15-19 years of age) decreased by 45.5% since 2014, and by 6.6% since 2022.

Figure 4. Pregnancy Rates by Woman's Racial/Ethnic Group, New York City, 2014-2023

Since 2014, the citywide pregnancy rate has declined by 14.3%, from 102.1 pregnancies per 1,000 females aged 15-44 to 87.5 in 2023.



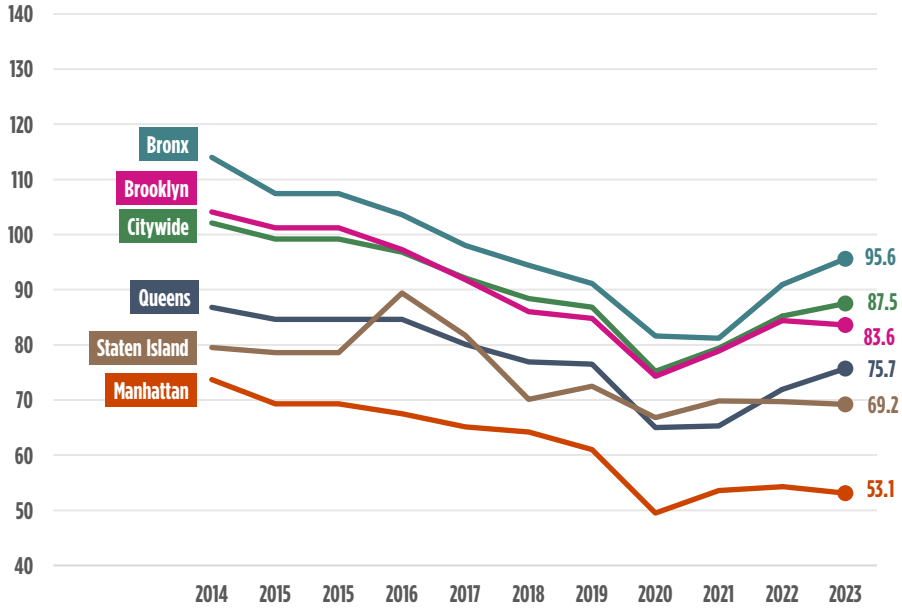
In 2023, the pregnancy rate was highest among Hispanic/Latino people at 91.2 pregnancies per 1,000 females aged 15-44, followed by 91.1 among non-Hispanic/Latino Black people, 74.5 among non-Hispanic/Latino white people, and 60.9 among Asian and Pacific Islander people.

From 2014 to 2023, the pregnancy rate decreased among all groups. Over the ten-year period, Asian and Pacific Islander people experienced a 30.8% decline; non-Hispanic/Latino Black people, a 25.3% decline ; non-Hispanic/Latino white people, a 13.6% decline; and Hispanic/Latino people, a 9.6% decline.

PREGNANCY OUTCOMES

Figure 5. Pregnancy Rates by Woman's Borough of Residence, New York City, 2014-2023

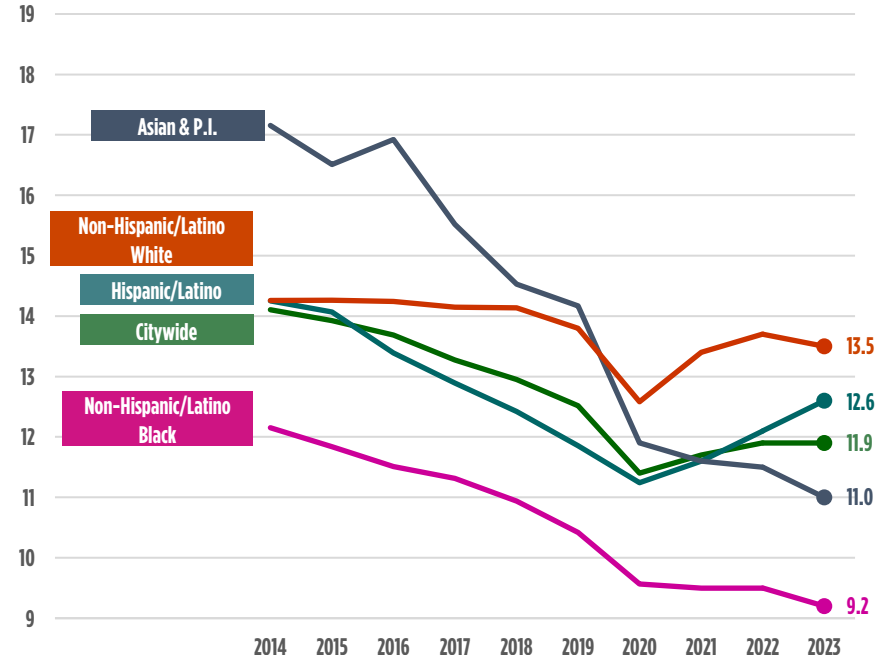
In 2023, the pregnancy rate in the Bronx continued to be the highest, at 95.6 pregnancies per 1,000 females aged 15-44, followed by Brooklyn at 83.6, Queens at 75.7, Staten Island at 69.2 and Manhattan at 53.1.



Since 2014, pregnancy rates have declined in all boroughs. Rates have decreased by 28.0% in Manhattan, by 19.7% in Brooklyn, by 16.1% in Bronx, by 12.8% in Queens, and by 13.0% in Staten Island.

Figure 6. Birth Rates by Mother's Racial/Ethnic Group, New York City, 2014-2023

In 2023, the birth rate was highest among non-Hispanic/Latino white people at 13.5 births per 1,000 population, followed by 12.6 among Hispanic/Latino people, 11.0 among Asian and Pacific Islander people, and 9.2 among non-Hispanic/Latino Black people.

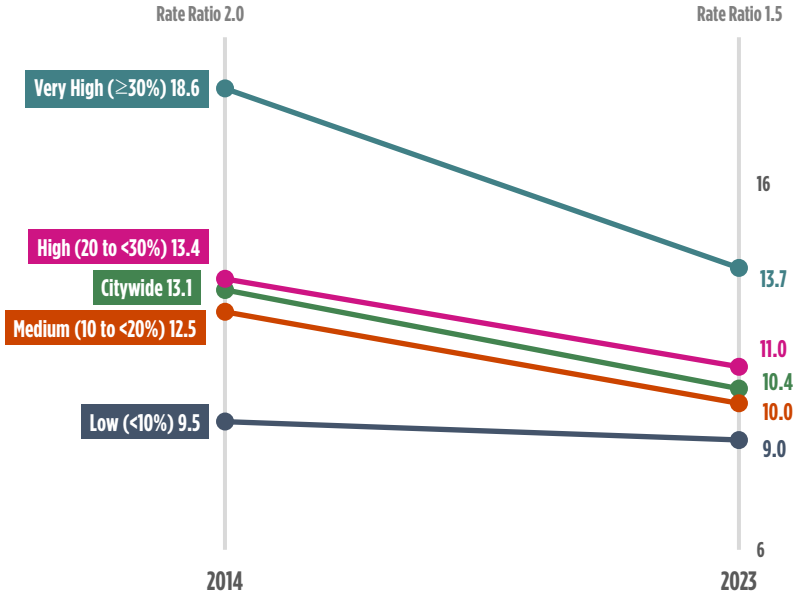


From 2022 to 2023, birth rates declined by 4.3% for Asian and Pacific Islander people, 3.2% for non-Hispanic/Latino Black people, and 1.5% for non-Hispanic/Latino white people. In contrast, Hispanic/Latino people experienced an increase in birth rates of 4.1%.

PREGNANCY OUTCOMES

Figure 7. Birth Rates by Neighborhood Poverty*†, New York City, 2014 and 2023

In 2023, the birth rate was highest in the city's very high poverty neighborhoods, at 13.7 births per 1,000 population, compared to 9.0 for the low poverty neighborhoods.



The rate ratio is defined by the rate in very high poverty neighborhood divided by the rate in low poverty neighborhood.

In 2023, the birth rate in the city's very high poverty neighborhoods was approximately 1.5 times that of the low poverty neighborhoods, a decrease from a rate ratio of about 2.0 in 2014.

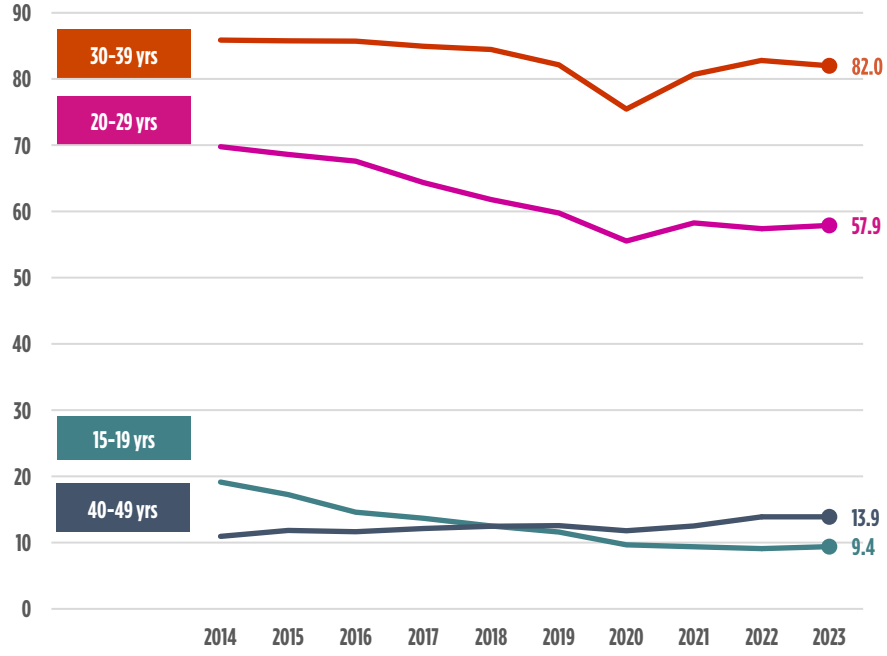
Since 2014, birth rates decreased across all categories of neighborhood poverty.

*Neighborhood poverty (based on mother's residential census tract) is defined as percent of residents with incomes below 100% of the Federal Poverty Level, per the American Community Survey (ACS) 2009-2013 for 2014 data and per ACS 2018-2022 for 2023 data.

†The citywide estimate is restricted to NYC residents.

Figure 8. Birth Rates by Mother's Age Group, New York City, 2014-2023

In 2023, the birth rate among women aged 30 to 39 years of age continued to be the highest, at 82.0 births per 1,000 female population, followed by women 20 to 29 at 57.9, then women 40 to 49 years old and 15 to 19 years old, with birth rates of 13.9 and 9.4, respectively.



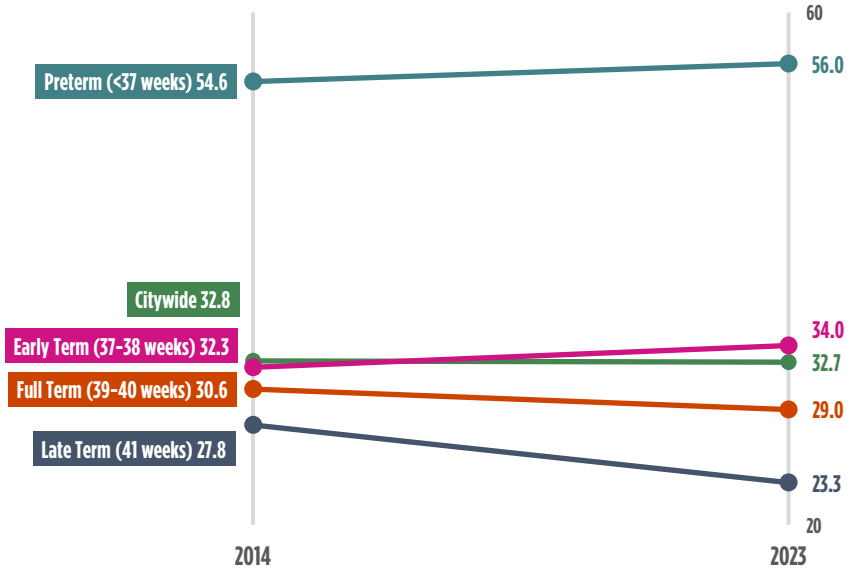
Since 2014, birth rates have decreased among all age groups except for women aged 40-49 years old, for which the rate increased by 27.5%.

Among women 20-29 years old, the birth rate has declined by 17.0% since 2014 but increased by 0.9% since 2022. The teen birth rate (15-19 years of age) has decreased by 50.8% since 2014 and increased by 3.3% since 2022. The birth rate for women aged 30-39 years old has declined by 4.5% since 2014, and by 1.0% since 2022.

PREGNANCY OUTCOMES

Figure 9. Percent of Births via Cesarean Delivery by Gestational Age, New York City, 2014 and 2023

From 2014 to 2023, the percentage of births delivered via Cesarean delivery increased for both preterm infants (<37 weeks gestational age) and early term infants (37-38 weeks gestation) but decreased for full term infants (39-40 weeks gestation) and late term infants (41 weeks gestation).



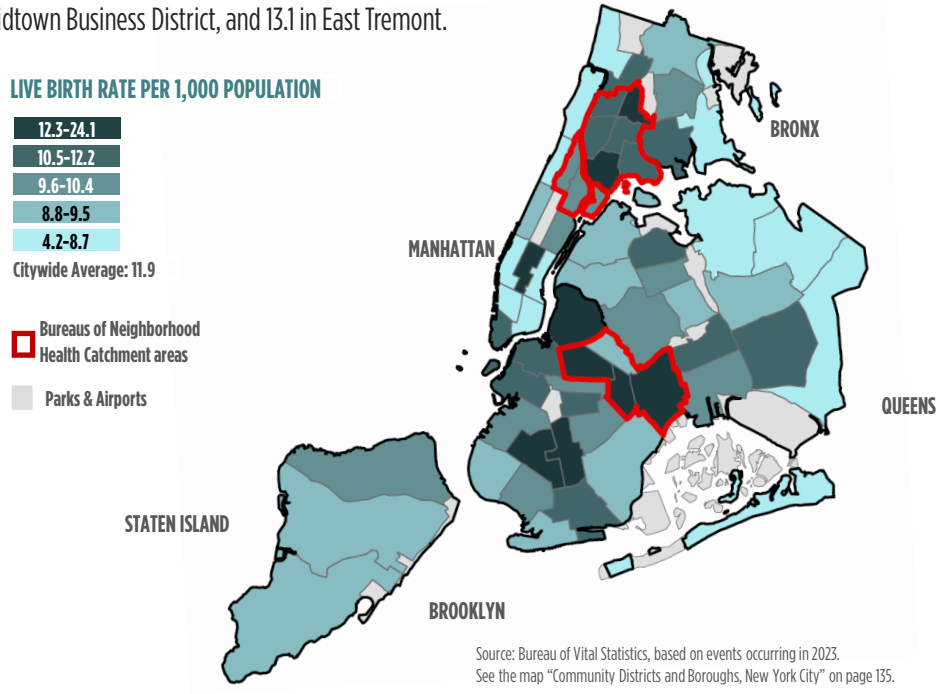
For both years, the percentage of Cesarean deliveries declined as gestational age increased.

Additionally, the majority of preterm infants were delivered via Cesarean section in both 2014 and 2023.

PREGNANCY OUTCOMES

Figure 10. Birth Rates by Community District of Residence, New York City, 2023

In 2023, the Community District with the highest crude birth rate was Borough Park with 24.1 births per 1,000 population, followed by 16.9 in Williamsburg/Greenpoint, 15.3 in Bedford Stuyvesant, 13.2 in Midtown Business District, and 13.1 in East Tremont.



The Community District with the lowest crude birth rate was Lower East Side with 4.2 births per 1,000 population, followed by Bayside with 4.4, Chelsea/Clinton with 6.0, Greenwich Village/SOHO with 6.3, and Flushing and Queens Village, both with 6.7.

Source: Bureau of Vital Statistics, based on events occurring in 2023.

See the map "Community Districts and Boroughs, New York City" on page 135.

MANHATTAN	CD	Birth Rate
Midtown Business District	MN05	13.2
Battery Park, Tribeca	MN01	12.2
Upper East Side	MN08	10.1
Central Harlem	MN10	9.9
East Harlem	MN11	9.6
Upper West Side	MN07	9.1
Washington Heights	MN12	8.7
Manhattanville	MN09	7.4
Murray Hill	MN06	6.8
Greenwich Village, SOHO	MN02	6.3
Chelsea, Clinton	MN04	6.0
Lower East Side	MN03	4.2

BRONX	CD	Birth Rate
East Tremont	BX06	13.1
Mott Haven	BX01	12.7
Fordham	BX07	12.2
Morrisania	BX03	12.1
University/Morris Heights	BX05	12.1
Concourse, Highbridge	BX04	11.9
Unionport, Soundview	BX09	11.7
Hunts Point	BX02	11.0
Pelham Parkway	BX11	10.3
Williamsbridge	BX12	9.1
Riverdale	BX08	8.7
Throgs Neck	BX10	8.2

STATEN ISLAND	CD	Birth Rate
Port Richmond	SI01	10.3
Tottenville	SI03	9.5
Willowbrook, South Beach	SI02	9.4

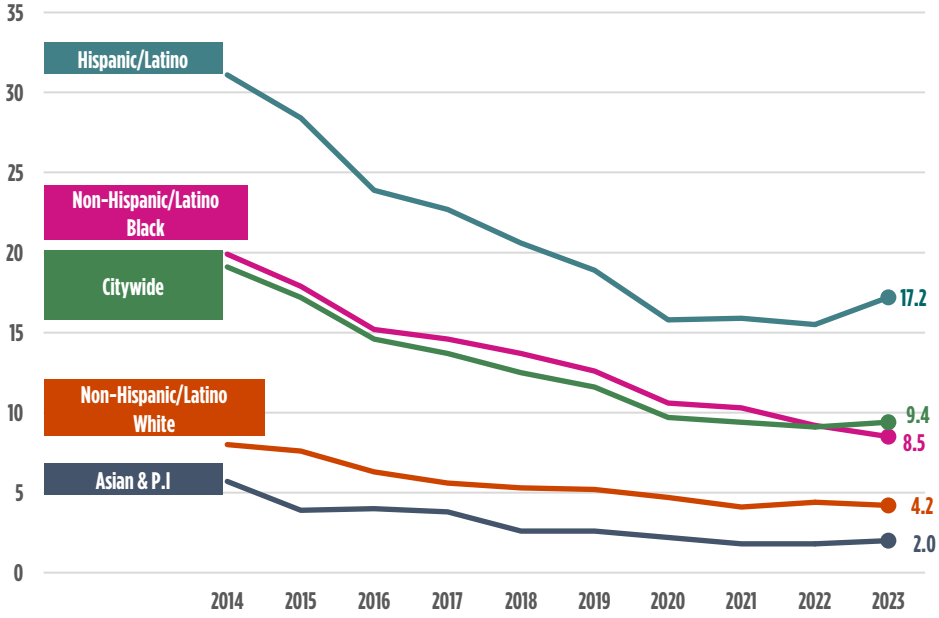
BROOKLYN	CD	Birth Rate
Borough Park	BK12	24.1
Williamsburg, Greenpoint	BK01	16.9
Bedford Stuyvesant	BK03	15.3
Flatbush, Midwood	BK14	12.9
East New York	BK05	12.4
Brownsville	BK16	12.3
Crown Heights South	BK09	12.2
Fort Green, Brooklyn Heights	BK02	11.8
Sheepshead Bay	BK15	11.7
Park Slope	BK06	11.6
Bensonhurst	BK11	10.4
Sunset Park	BK07	10.3
Crown Heights North	BK08	10.3
East Flatbush	BK17	10.2
Canarsie	BK18	9.4
Bushwick	BK04	9.3
Bay Ridge	BK10	9.2
Coney Island	BK13	9.2

QUEENS	CD	Birth Rate
Jamaica, St. Albans	QN12	11.4
Jackson Heights	QN03	11.2
Woodhaven	QN09	11.0
Elmhurst, Corona	QN04	9.9
Ridgewood, Glendale	QN05	9.8
Howard Beach	QN10	9.7
Rego Park, Forest Hills	QN06	9.5
Astoria, Long Island City	QN01	9.2
Sunnyside, Woodside	QN02	9.2
Fresh Meadows, Briarwood	QN08	9.0
The Rockaways	QN14	8.7
Flushing	Q07	6.7
Queens Village	QN13	6.7
Bayside	QN11	4.4

PREGNANCY OUTCOMES

Figure 11. Teen Birth Rates by Mother's Racial/Ethnic Group, New York City, 2014-2023

From 2014 to 2023, the citywide teen birth rate declined by 50.8% overall.



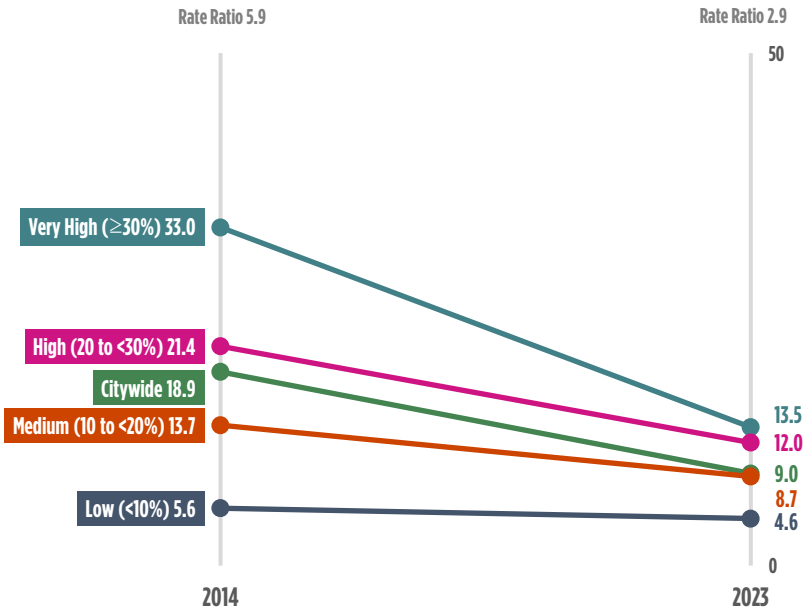
Teen birth rates also declined for all racial/ethnic groups: by 44.7% among Hispanic/Latino people, 57.3% among non-Hispanic/Latino Black people, 47.5% among non-Hispanic/Latino white people, and 64.9% among Asian and Pacific Islander people.

The teen birth rate among Hispanic/Latino people remains higher compared to that of non-Hispanic/Latino white people. In 2014, the teen birth rate for Hispanic/Latino people was 3.9 times that of non-Hispanic/Latino white people. By 2023, this difference increased to 4.1 times.

In 2023, the teen birth rate among non-Hispanic/Latino Black people was 2.0 times that of non-Hispanic/Latino white people, reflecting a narrowing of the difference since 2014, when it was 2.5 times that of non-Hispanic/Latino white people.

Figure 12. Teen Birth Rate by Neighborhood Poverty*†, New York City Residents, 2014 and 2023

Between 2014 and 2023, teen birth rates declined across all poverty levels.



Over that period, teen birth rates declined by 59.1% in the city's very high poverty neighborhoods, by 43.9% in high poverty neighborhoods, by 36.5% in medium poverty neighborhoods, and by 17.9% in low poverty neighborhoods.

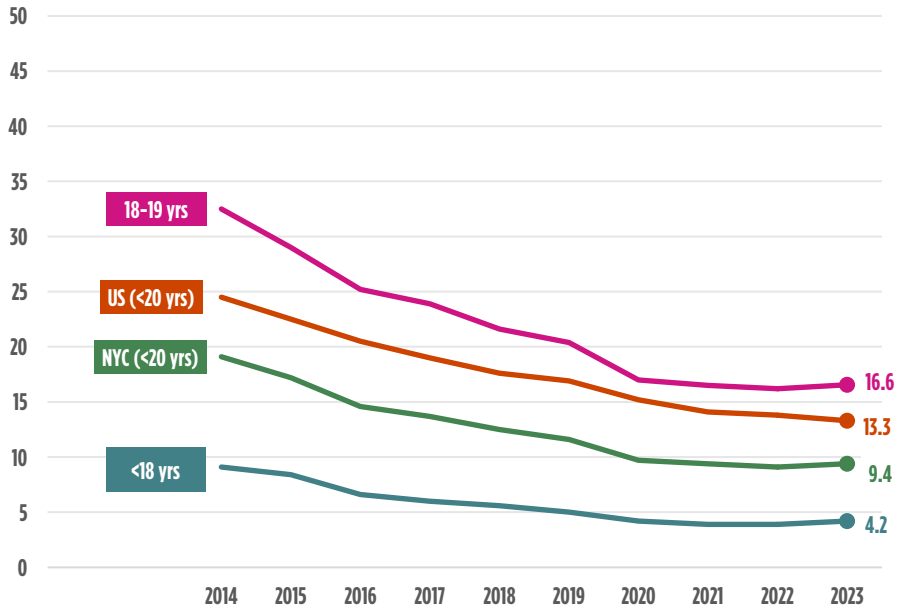
Teen birth rates remain comparatively high in the city's very high poverty neighborhoods. In 2023, the teen birth rate in very high poverty neighborhoods was 2.9 times that of low poverty neighborhoods; in 2014, it was also 5.9 times that of low poverty neighborhoods.

*Neighborhood poverty (based on mother's residential census tract) is defined as percent of residents with incomes below 100% of the Federal Poverty Level, per the American Community Survey (ACS) 2009-2013 for 2014 data and per ACS 2018-2022 for 2023 data.

†The citywide estimate is restricted to NYC residents.

PREGNANCY OUTCOMES

Figure 13. Teen Birth Rates by Age Group, New York City, 2014-2023
From 2014 to 2023, birth rates declined among all teenagers, regardless of age.



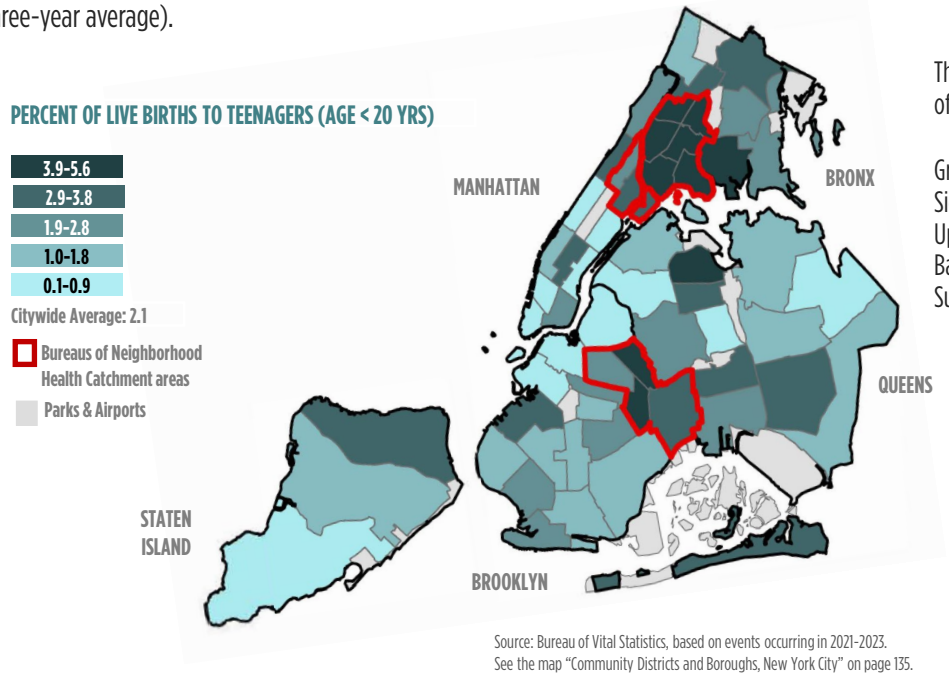
Among teens less than 18 years of age, the birth rate declined over this period by 53.8%; among women 18-19, it declined by 48.9%.

The overall rate of teen birth in New York City (births to women <20) declined by 50.8%, and the citywide teen birth rate has been consistently lower than the US teen birth rate.

PREGNANCY OUTCOMES

Figure 14. Percent of Live Births to Teenagers (Three-Year Averages) by Community District of Residence, New York City, 2021-2023

The Community Districts with the highest percentage of live births to teenagers (<20 years) were Bushwick and Brownsville with 5.6%, followed by Hunts Point with 5.5%, Mott Haven with 5.1%, and East Tremont with 4.9 (three-year average).



The following Community Districts had less than 1% of live births to teenagers:

Greenwich Village/SOHO, Murray Hill, Upper East Side, Battery Park/Tribeca, Tottenville, Park Slope, Upper West Side, Fort Greene/Brooklyn Heights, Bayside, Williamsburg/Greenpoint, Sunnyside/Woodside, Rego Park/Forest Hills.

Source: Bureau of Vital Statistics, based on events occurring in 2021-2023.
See the map "Community Districts and Boroughs, New York City" on page 135.

MANHATTAN	CD	Birth Percentage
Manhattanville	MN09	3.4
East Harlem	MN11	3.3
Midtown Business District	MN05	3.0
Washington Heights	MN12	2.8
Central Harlem	MN10	2.4
Lower East Side	MN03	1.9
Chelsea, Clinton	MN04	1.1
Upper West Side	MN07	0.5
Battery Park, Tribeca	MN01	0.3
Murray Hill	MN06	0.2
Upper East Side	MN08	0.2
Greenwich Village, SOHO	MN02	0.1

BRONX	CD	Birth Percentage
Hunts Point	BX02	5.5
Mott Haven	BX01	5.1
East Tremont	BX06	4.9
University, Morris Heights	BX05	4.7
Unionport, Soundview	BX09	4.4
Morrisania	BX03	4.2
Concourse, Highbridge	BX04	3.9
Fordham	BX07	3.8
Williamsbridge	BX12	3.6
Pelham Parkway	BX11	2.4
Throgs Neck	BX10	2.3
Riverdale	BX08	1.8

STATEN ISLAND	CD	Birth Percentage
Port Richmond	SI01	3.4
Willowbrook, South Beach	SI02	1.1
Tottenville	SI03	0.4

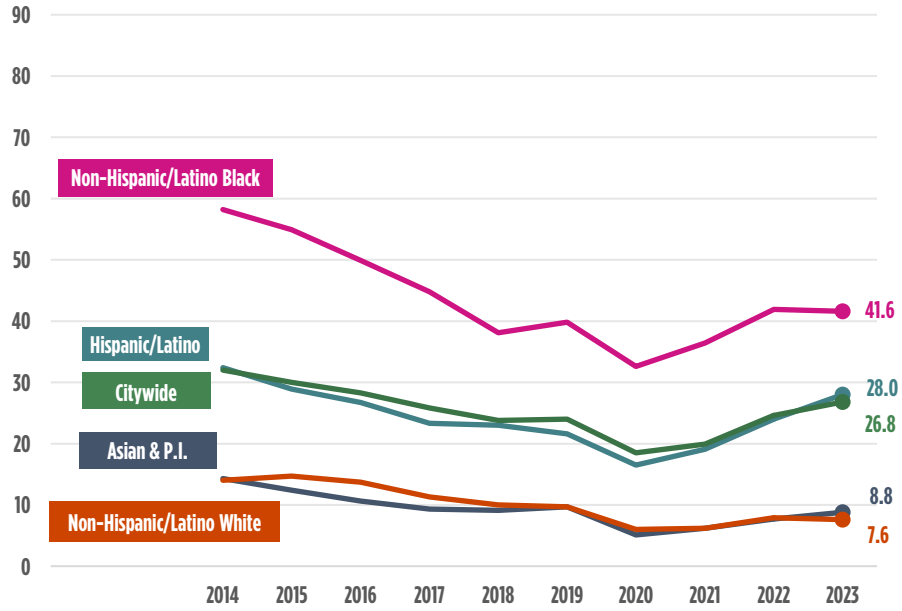
BROOKLYN	CD	Birth Percentage
Bushwick	BK04	5.6
Brownsville	BK16	5.6
East New York	BK05	3.7
Sunset Park	BK07	3.0
Coney Island	BK13	2.8
East Flatbush	BK17	2.6
Bedford Stuyvesant	BK03	2.1
Crown Heights North	BK08	2.1
Bensonhurst	BK11	2.1
Canarsie	BK18	1.6
Flatbush, Midwood	BK14	1.5
Sheepshead Bay	BK15	1.4
Crown Heights South	BK09	1.3
Bay Ridge	BK10	1.3
Borough Park	BK12	1.2
Williamsburg, Greenpoint	BK01	0.9
Fort Greene, Brooklyn Heights	BK02	0.5
Park Slope	BK06	0.4

QUEENS	CD	Birth Percentage
Jackson Heights	QN03	3.9
The Rockaways	QN14	3.8
Elmhurst, Corona	QN04	3.6
Woodhaven	QN09	3.0
Jamaica, St. Albans	QN12	2.9
Ridgewood, Glendale	QN05	2.2
Howard Beach	QN10	2.1
Queens Village	QN13	1.8
Flushing	QN07	1.5
Astoria, Long Island City	QN01	1.4
Fresh Meadows, Briarwood	QN08	1.1
Sunnyside, Woodside	QN02	0.9
Rego Park, Forest Hills	QN06	0.9
Bayside	QN11	0.5

PREGNANCY OUTCOMES

Figure 15. Age-Adjusted Induced Termination of Pregnancy Rates by Woman's Racial/Ethnic Group, New York City, 2014-2023

The 2023 citywide age-adjusted rate of induced terminations of pregnancy (at 26.8 terminations per 1,000 females aged 15 to 44 years) declined by 16.3% since 2014.

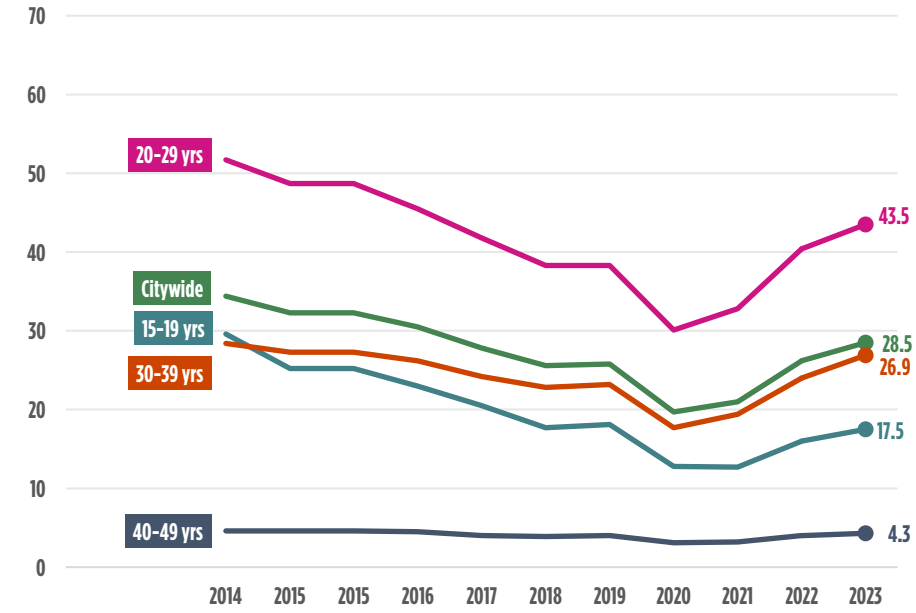


Similarly, age-adjusted rates declined among all racial/ethnic groups: 45.7% among non-Hispanic/Latino white people, 38.5% among Asian and Pacific Islander people, 28.5% among non-Hispanic/Latino Black people, and 13.6% among Hispanic/Latino people.

The disparity between non-Hispanic/Latino white people and non-Hispanic/Latino Black people induced termination of pregnancy rates has increased since 2014. The rate among non-Hispanic/Latino Black people was 5.5 times that of non-Hispanic/Latino white people (41.6 terminations per 1,000 females aged 15-44 vs. 7.6) in 2023, compared to 4.2 times in 2014.

Figure 16. Age-Specific Induced Termination of Pregnancy Rates by Woman's Age Group, New York City, 2014-2023

The 2023 crude citywide rate of induced terminations of pregnancy declined 17.2% since 2014, from 34.4 to 28.5 terminations per 1,000 women aged 15-49 years.



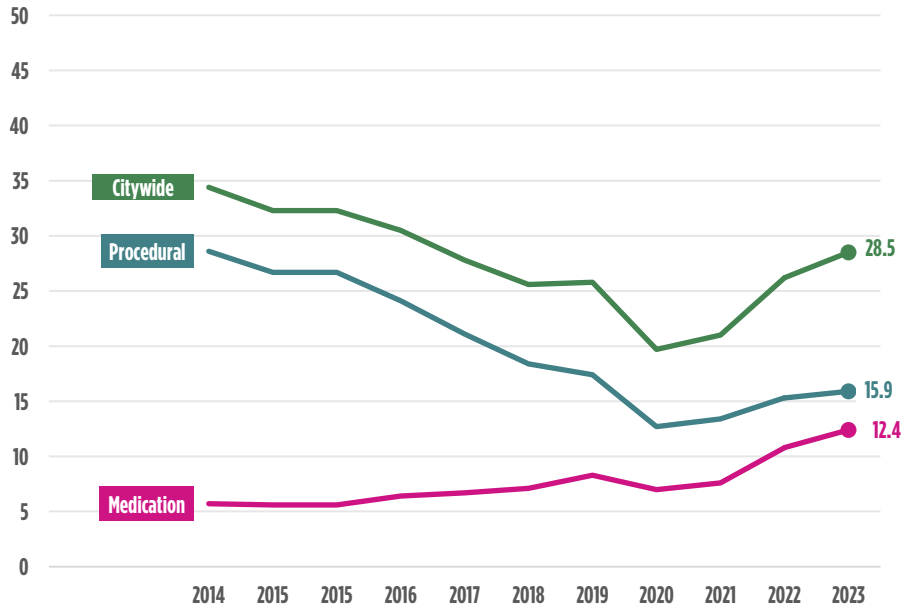
Since 2014, the age-specific rate declined 40.9% among teens (15 to 19 years of age), from 29.6 terminations per 1,000 females in 2014, to 17.5 in 2023. The rate declined by 15.9% among women 20 to 29 years of age, 6.5% among women 40 and older, and 5.3% among women 30 to 39 years of age

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.

PREGNANCY OUTCOMES

Figure 17. Induced Termination of Pregnancy Rates by Medication vs. Procedural Abortion, New York City, 2014-2023

Since 2014, the crude rate of medication abortion in New York City increased 117.5%, to 12.4 terminations per 1,000 females aged 15-44, while the rate of procedural abortion decreased 44.4% to 15.9 terminations per 1,000 females aged 15-44.

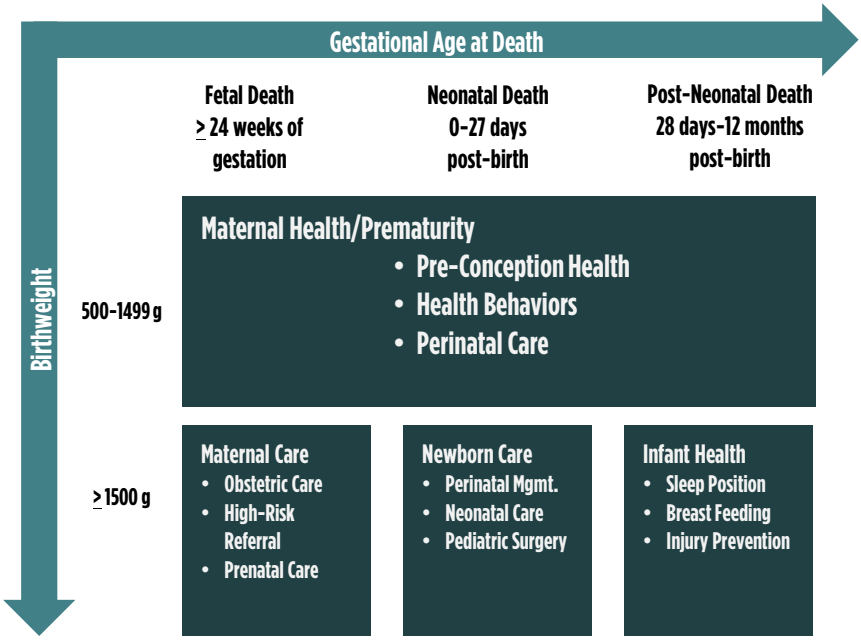


Medication-induced abortion, using mifepristone in combination with misoprostol, is termed a "medication abortion" and may be performed up to eleven weeks of gestation to terminate a pregnancy, in contrast to a procedural abortion, which may be performed later than eleven weeks of gestation. Medication abortion is not to be confused with the morning-after pill, also known as emergency contraception, which is used to prevent pregnancy.

PERINATAL PERIODS OF RISK (PPOR)

Figure 1. Model of Perinatal Periods of Risk and Intervention Priorities

The Perinatal Periods of Risk (PPOR) model (see below) illustrates four periods of risk and classifies fetal and infant deaths based on birthweight (500-1,499 grams vs. 1,500 grams or more) and gestational age/age at death (fetal, neonatal, or post-neonatal death), and the labels indicate the primary areas of prevention.



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 PPOR methodology was developed to address the complexity of infant mortality.

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 up to the overall mortality rate.

Figure 2. Contributions to Fetal-Infant Mortality Rates per 1,000 Births and Fetal Deaths, New York City, 2014-2023

The overall fetal-infant mortality rate (FIMR) for New York City was 6.3 per 1,000 live births in 2023, representing a 7.4% decrease since 2014 and a 1.6% decrease from 2022.

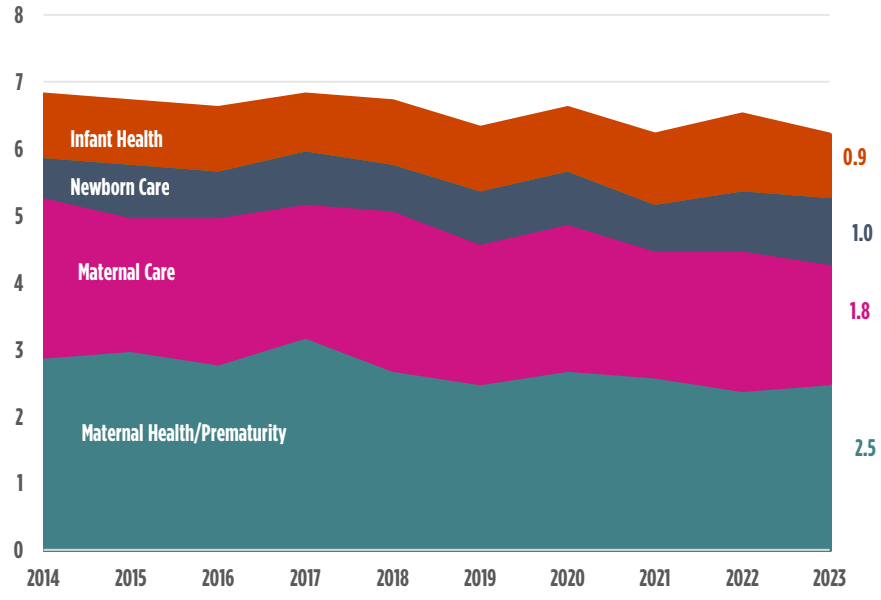
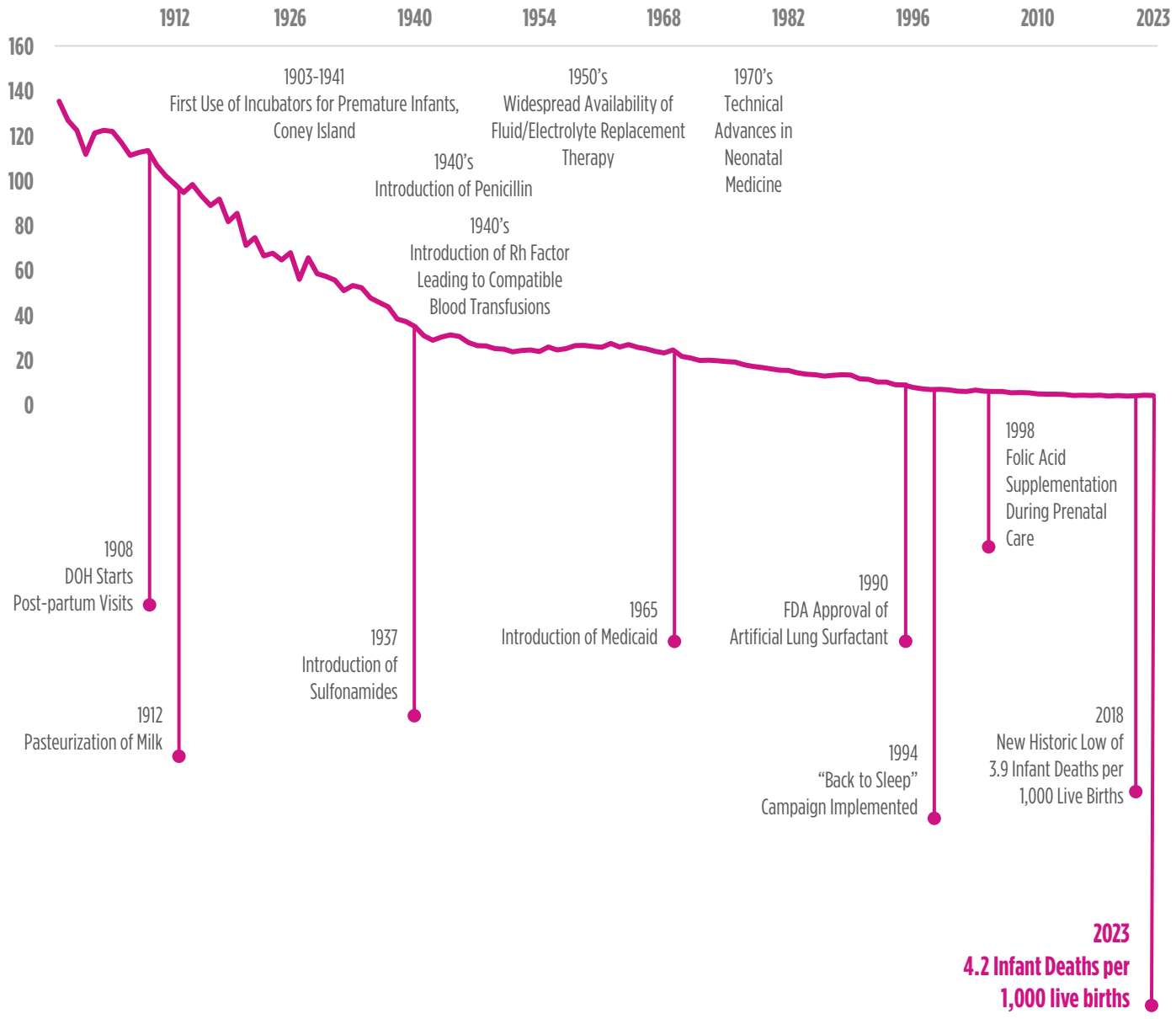


Figure 2 illustrates the relative contribution of risk factors to the overall FIMR. Refer to Figure 1 for specific risk factors. Deaths with a birthweight between 500 grams and 1,499 grams, and occurring at any gestational age or birth age, contributed 38.7% to the FIMR in 2023, indicating that prevention efforts should focus on maternal health/prematurity risk factors.

The share of the FIMR attributable to the infant health period increased from 13.2% in 2014 to 15.1% in 2023 (post-neonatal deaths with a birthweight of 1,500 grams or greater). The contribution of the maternal care period to the FIMR decreased from 35.3% in 2014 to 29.1% in 2023 (fetal deaths with a birthweight of 1,500 grams or greater). The share of the FIMR attributable to the newborn care period increased by 7.1 percentage points between 2014 and 2023 (neonatal deaths with a birthweight of 1,500 grams or greater), from 8.8% to 16.2%.

INFANT MORTALITY

Infant Mortality Rate Per 1,000 Live Births Over Time



INFANT MORTALITY

Figure 1. Infant Mortality Rate, New York City and the United States*, 2014-2023

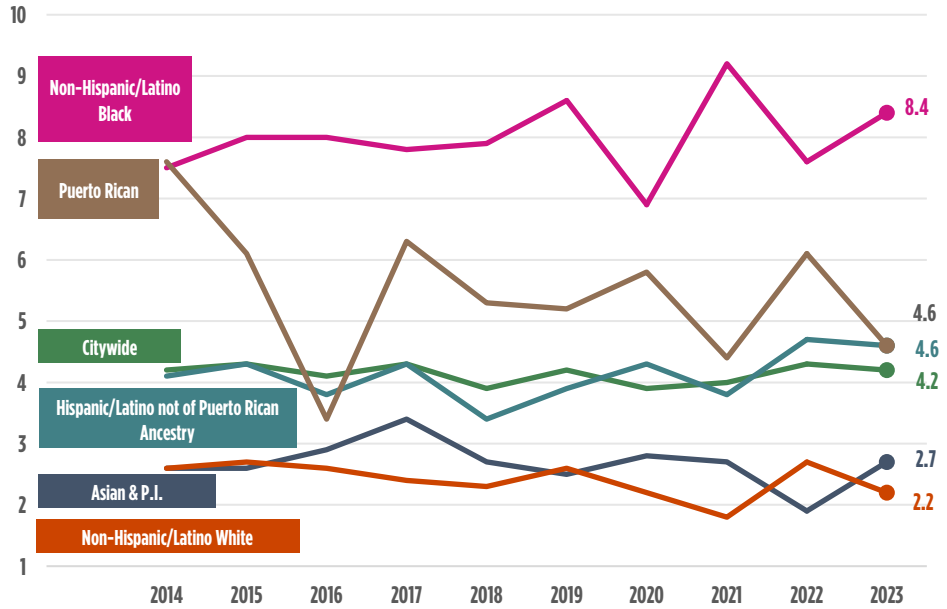
In the last 10 years, New York City's infant mortality rate (the number of infant deaths-death of an infant before their first birthday-for every 1,000 live births) remained unchanged while the U.S. infant mortality rate declined approximately by 3.4%. (3.4% decline vs. 0% decline). Infant mortality rate in New York City has been lower than the rate of the US.

In 2023, New York City had an infant mortality rate of 4.2 infant deaths per 1,000 live births. This represents a decrease of 2.3% from 2022 (4.3 infant deaths per 1,000 live births). The infant mortality rate may fluctuate from year to year due to the small number of infant deaths.

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

Figure 2. Infant Mortality Rate by Mother's Racial/Ethnic Group, New York City, 2014-2023

Infant mortality rates decreased from 2022 to 2023 among all racial/ethnic groups, including citywide, except for Asian and Pacific Islander infants and non-Hispanic/Latino Black infants, for which the rate increased by 42.1% and 10.5%, respectively.

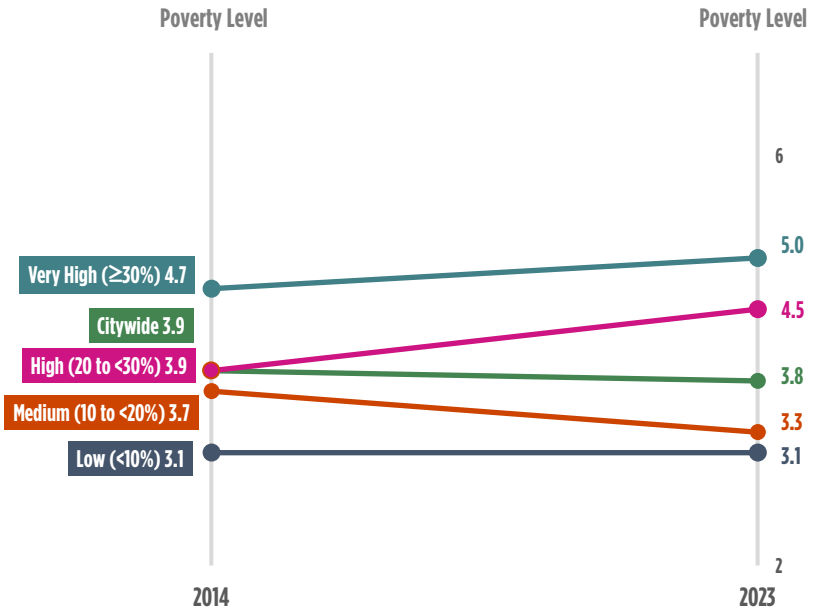


Although rates fluctuate due to small numbers, they are consistently higher among some groups: in 2023, the rate for non-Hispanic/Latino Black infants was 3.8 times the rate for non-Hispanic/Latino white infants, and the rate for Puerto Rican infants was 2.1 times the rate for non-Hispanic/Latino white infants.

INFANT MORTALITY

Figure 3. Infant Mortality Rate by Neighborhood Poverty*†, New York City Residents, 2014 and 2023

From 2014 to 2023, the infant mortality rate increased in both high poverty and very high poverty areas, declined in medium poverty areas, and remained unchanged in low poverty areas.



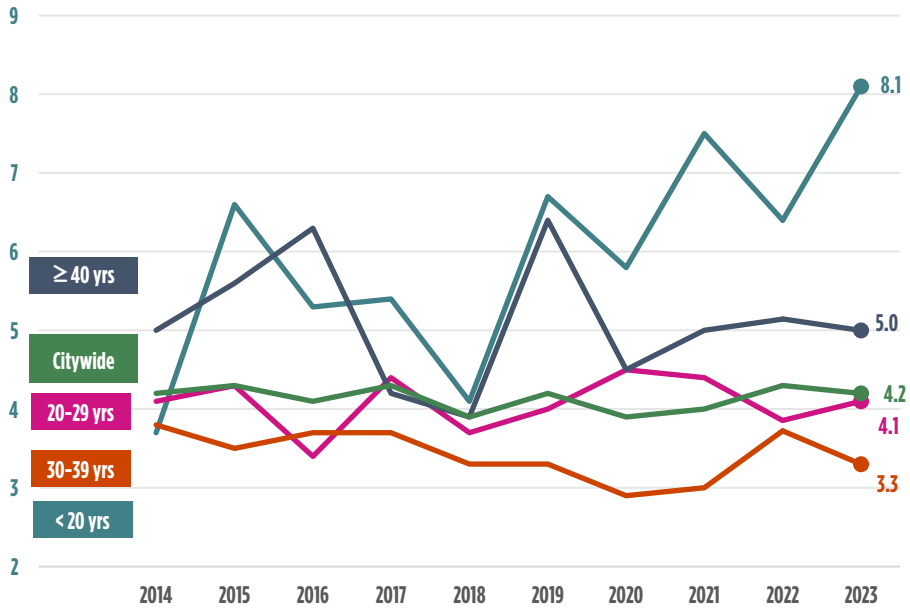
In 2023, the infant mortality rate in very high poverty areas was 1.6 times higher than in low poverty areas.

*Neighborhood poverty (based on woman's residential census tract) is defined as percent of residents with incomes below 100% of the Federal Poverty Level, per the American Community Survey (ACS) 2009-2013 for 2012 data and per ACS 2018-2022 for 2023 data.

†The citywide estimate is restricted to NYC residents.

Figure 4. Infant Mortality Rate by Mother's Age, New York City, 2014-2023

Since 2014, infant mortality rates decreased by 13.2% among infants born to women in the 30-39 age group, increased by 118.9% for women in the <20 age group, and remained unchanged for women in the 20-29 age group and ≥40 age group.

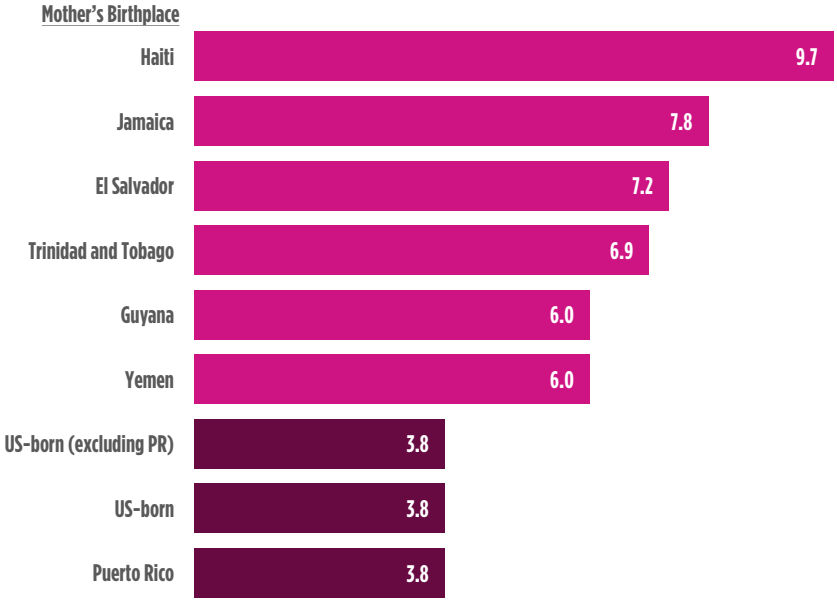


In New York City, the infant mortality rate was highest among infants born to the youngest women (<20 years of age). In 2023, this group had a rate of 8.1 infant deaths per 1,000 live births, a 26.6% increase from 2022. In 2023, the rate among women aged 40 and older was 5.0 infant deaths per 1,000 live births. The year-to-year fluctuations in infant mortality rates among women age <20 and those ≥40 are likely due to the small number of infant deaths in these age groups.

INFANT MORTALITY

Figure 5. Infant Mortality Rates by Mother's Birthplace, US-born and Countries of Top 5 IMR, 3-Year Moving Average, 2021-2023

For the 2021-2023 period, the infant mortality rate among US-born women (excluding Puerto Rico) was 3.8 infant deaths per 1,000 live births. For the same time period, the infant mortality rate for Puerto Rico-born women was also 3.8 infant deaths per 1,000 live births.



The infant mortality rate was highest among women born in Haiti at 9.7 infant deaths per 1,000 live births.

Women born in Jamaica had the second highest infant mortality rate at 7.8 infant deaths per 1,000 live births, followed by El Salvador -born women (7.2), Trinidad and Tobago-born (6.9), Guyana-born women (6.0), and Yemen-born woman (6.0).

Figure 6. Neonatal and Post-Neonatal Infant Mortality Rate, New York City, 2014-2023

In 2023, the neonatal (infants who are less than 28 days old) infant mortality rate was 2.7 infant deaths per 1,000 live births, and the post-neonatal (infants 28 days to less than 1 year old) IMR was 1.5 infant deaths per 1,000 live births.

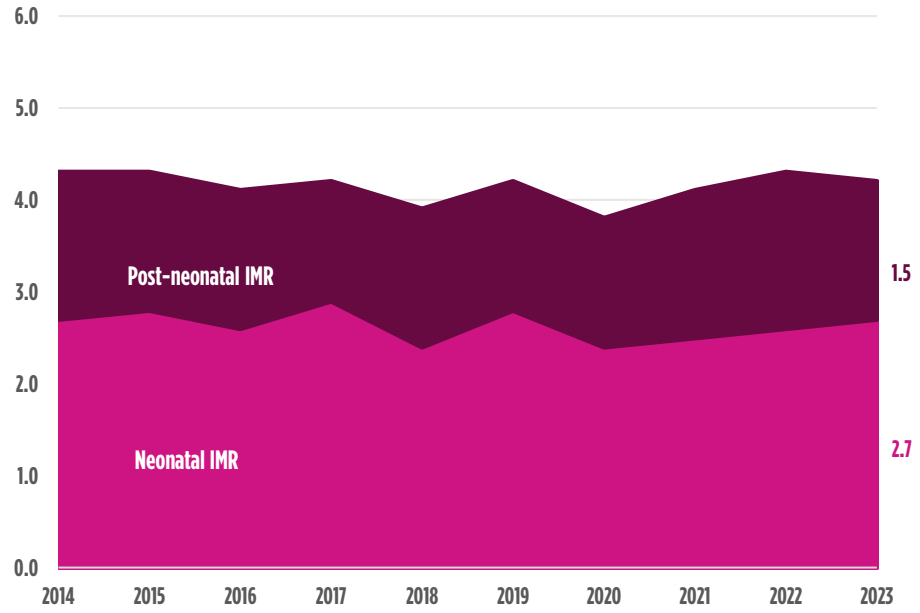
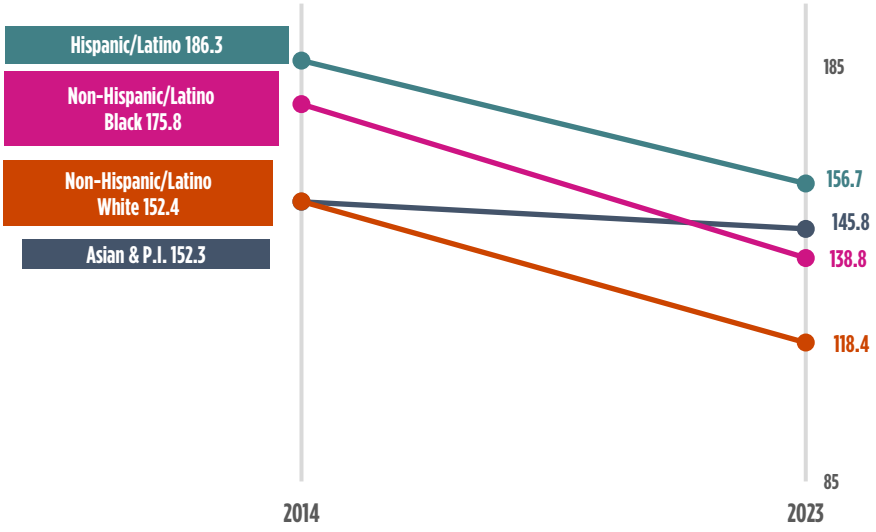


Figure 6 illustrates the share of the IMR that is attributable to neonatal and post-neonatal deaths. The share of the IMR attributable to neonatal deaths increased from 62.8% in 2014 to 64.3% in 2023. However, the share of the IMR attributable to post-neonatal deaths decreased from 37.2% in 2014 to 35.7% in 2023.

INFANT MORTALITY

Figure 7. Infant Mortality Rates by Mother's Racial/Ethnic Group*, Very Low Birthweight, 2014 and 2023

From 2014 to 2023, infant mortality rates among very low birthweight infants (born under 1,500 grams, VLBW) declined among all racial/ethnic groups.



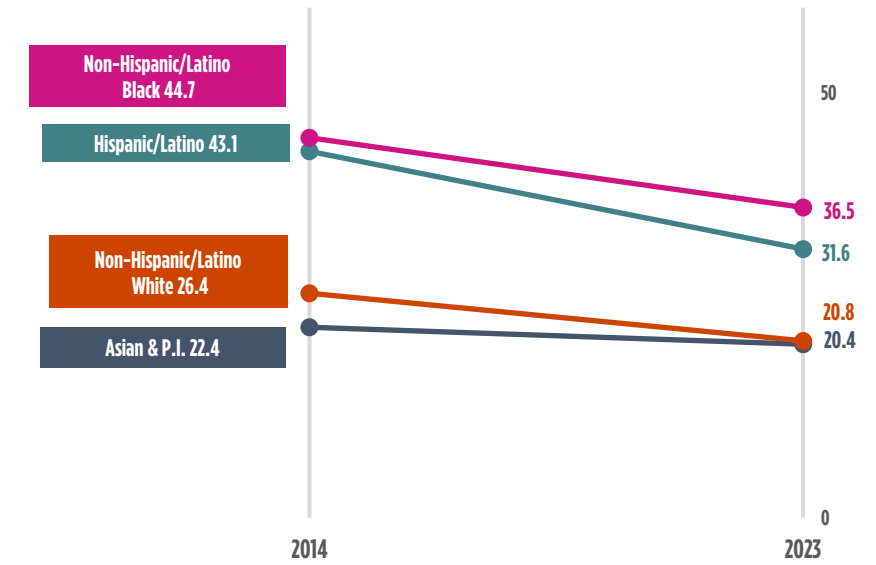
Among VLBW infants in 2023, the infant mortality rate was highest for Hispanic/Latino infants at 156.7 deaths per 1,000 live births, followed by Asian and Pacific Islander infants (145.8), non-Hispanic/Latino Black infants (138.8), and non-Hispanic/Latino white infants (118.4).

Compared to non-Hispanic/Latino white infants in 2023, the VLBW infant mortality rates were approximately 1.3 times higher for Hispanic/Latino infants, and about 1.2 times higher for both Asian and Pacific Islander infants and non-Hispanic/Latino Black infants.

*Other/not stated maternal racial/ethnic groups not included in the figure.

Figure 8. Infant Mortality Rates by Mother's Racial/Ethnic Group*, Low Birthweight, 2014 and 2023

From 2014 to 2023, infant mortality rates among low birthweight infants (born under 2,500 grams) declined among all racial/ethnic groups.



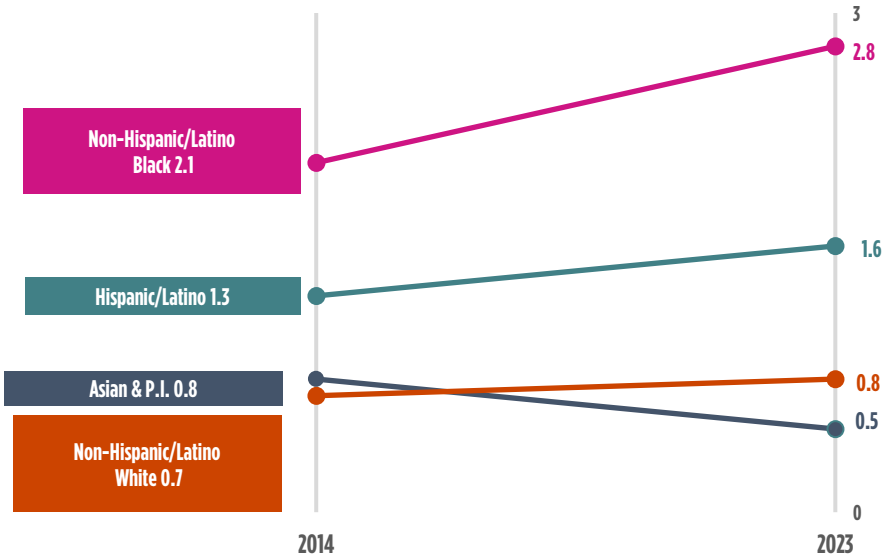
Among low birthweight infants in 2023, the infant mortality rate was highest for non-Hispanic/Latino Black infants at 36.5 deaths per 1,000 live births, 1.8 times that of non-Hispanic/Latino white infants (20.8).

*Other/not stated maternal racial/ethnic groups not included in the figure.

INFANT MORTALITY

Figure 9. Infant Mortality Rates by Mother's Racial/Ethnic Group*, Normal Birthweight, 2014 and 2023

From 2014 to 2023, infant mortality rates among normal birthweight infants (≥2,500 grams) decreased among Asian and Pacific Islander infants, and increased among non-Hispanic/Latino Black infants, non-Hispanic/Latino white infants, and Hispanic/Latino infants.



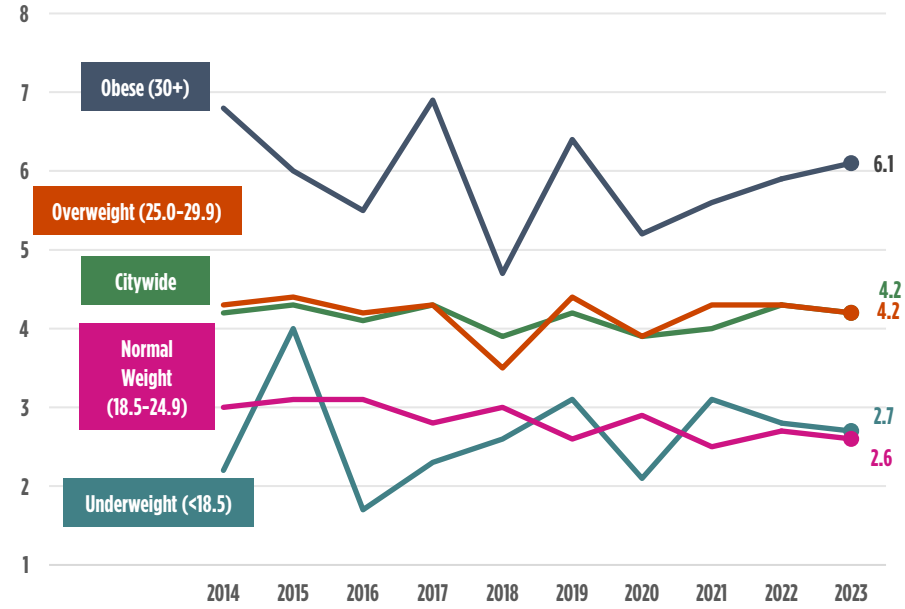
In 2023, non-Hispanic/Latino Black normal birthweight infants had an infant mortality rate of 2.8 infant deaths per 1,000 live births, followed by 1.6 for Hispanic/Latino infants, 0.8 for non-Hispanic/Latino white infants, and 0.5 for Asian and Pacific Islander infants.

The infant mortality rate among non-Hispanic/Latino Black infants was 5.6 times that of Asian and Pacific Islander infants, 1.8 times that of Hispanic/Latino infants, and 3.5 times that of non-Hispanic/Latino white infants.

*Other/not stated maternal racial/ethnic groups not included in the figure.

Figure 10. Infant Mortality Rates by Mother's Pre-Pregnancy Body Mass Index (BMI)*, 2014-2023

Infant mortality rates increased from 2022 to 2023 among women whose pre-pregnancy BMI was classified as obese, while they decreased for women whose BMI was classified as underweight, normal weight, and overweight.



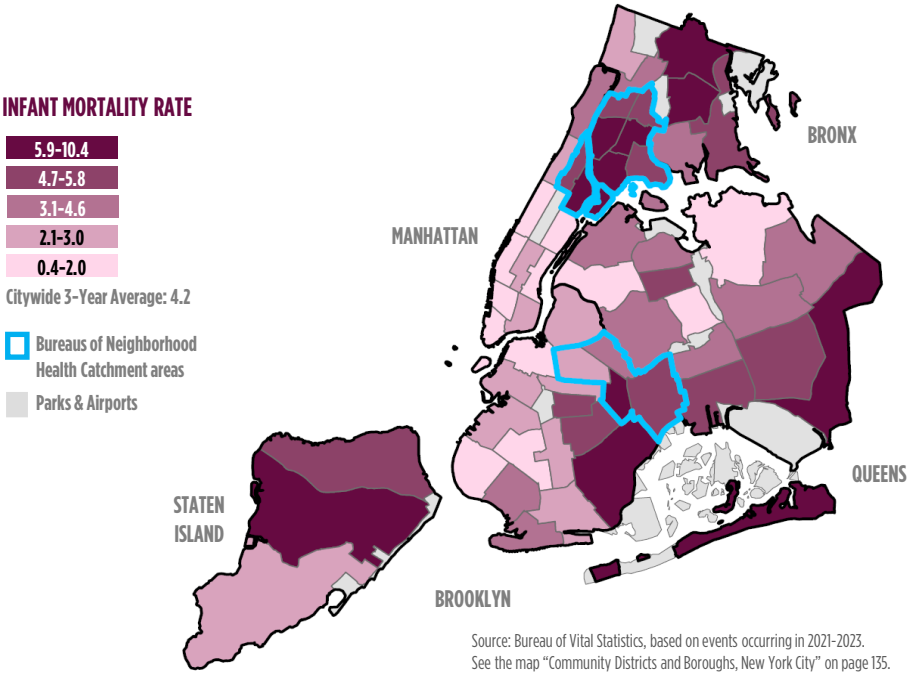
Rates fluctuate over time but are consistently higher among women with a pre-pregnancy BMI classified as overweight or obese. The rate for women classified as overweight was 1.6 times the rate for women classified as normal weight in 2023; the rate for women classified as obesity was 2.3 times the rate for women classified as normal weight in 2023.

Women are categorized as being underweight if their pre-pregnancy BMI is less than 18.5, normal weight if their BMI is between 18.5 and 24.9, overweight if their BMI is between 25.0 and 29.9, and obese if their BMI is 30 or above.

INFANT MORTALITY

Figure 11. Average Infant Mortality Rate (Three-Year Averages) by Community District of Residence, New York City, 2021-2023*

The highest three-year average infant mortality rate was in Brownsville, with 10.4 deaths per 1,000 live births, followed by 7.5 in both Queens Village and the Rockaways, 7.2 in Mott Haven, 6.6 in East Harlem, and 6.5 in Williamsbridge.



Source: Bureau of Vital Statistics, based on events occurring in 2021-2023.
See the map "Community Districts and Boroughs, New York City" on page 135.

The lowest three-year average infant mortality rate was in both Battery Park/Tribeca and Chelsea/Clinton, with 0.4 deaths per 1,000 live births. This was followed by 0.9 in Rego Park/Forest Hills, 1.3 in Flushing, 1.4 in the Upper East Side and Murray Hill, and 1.5 in Sunnyside/Woodside.

*Due to instability in the infant mortality rates by community district, rates are presented as three-year averages.

MANHATTAN	CD	IMR
East Harlem	MN11	6.6
Central Harlem	MN10	5.8
Washington Heights	MN12	3.5
Lower East Side	MN03	3.0
Manhattanville	MN09	2.5
Midtown Business District	MN05	2.3
Greenwich Village, SOHO	MN02	1.8
Upper West Side	MN07	1.8
Murray Hill	MN06	1.4
Upper East Side	MN08	1.4
Battery Park, Tribeca	MN01	0.4
Chelsea, Clinton	MN04	0.4

BRONX	CD	IMR
Mott Haven	BX01	7.2
Williamsbridge	BX12	6.5
Pelham Parkway	BX11	6.3
Concourse, Highbridge	BX04	6.1
Morrisania	BX03	6.0
East Tremont	BX06	5.6
Throgs Neck	BX10	5.5
University, Morris Heights	BX05	4.9
Hunts Point	BX02	4.7
Fordham	BX07	4.6
Unionport, Soundview	BX09	4.0
Riverdale	BX08	2.6

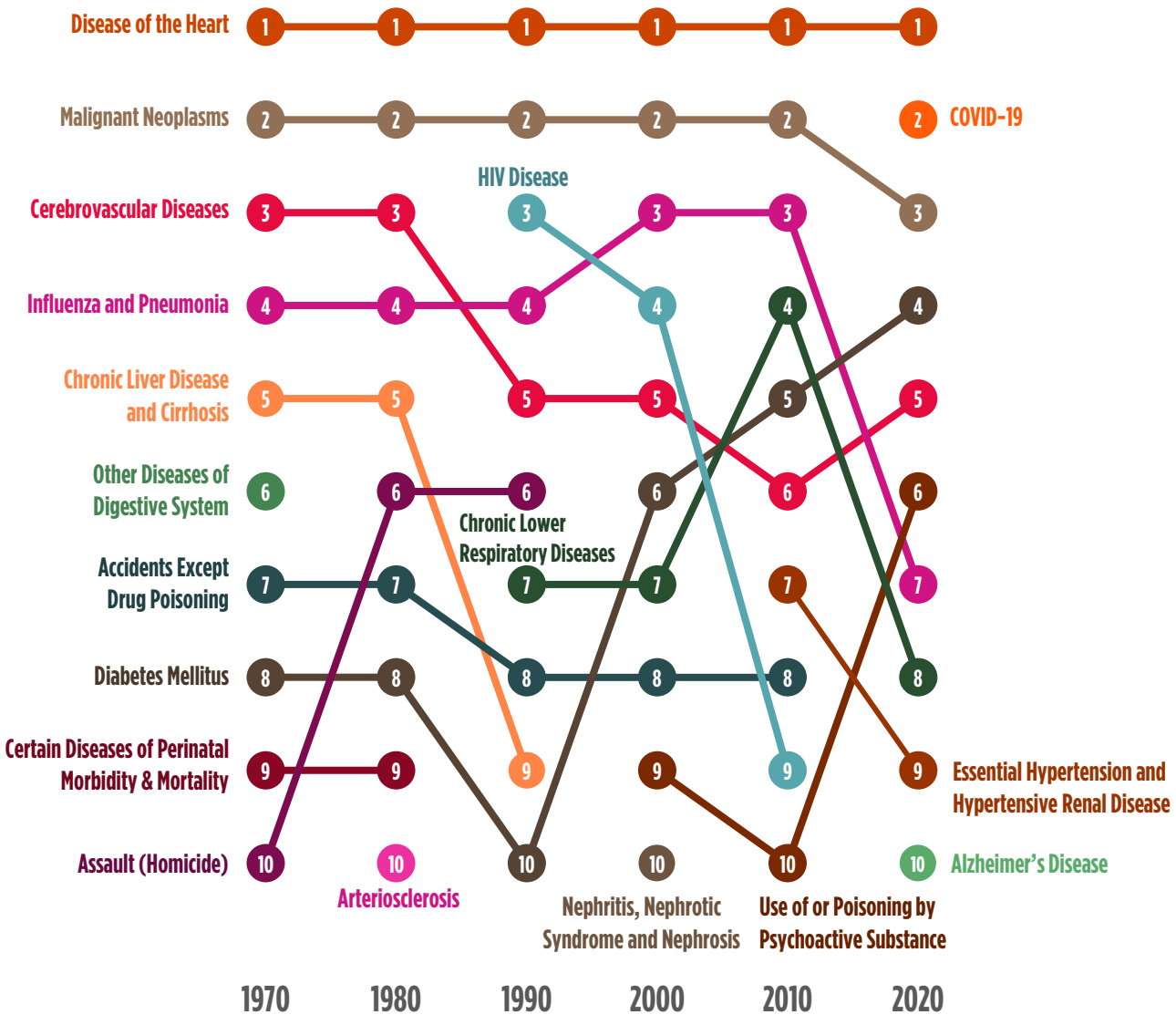
STATEN ISLAND	CD	IMR
Willowbrook, South Beach	SI02	6.4
Port Richmond	SI01	5.2
Tottenville	SI03	2.9

BROOKLYN	CD	IMR
Brownsville	BK16	10.4
Canarsie	BK18	6.0
Crown Heights South	BK09	5.6
East Flatbush	BK17	5.6
East New York	BK05	5.3
Bushwick	BK04	4.1
Coney Island	BK13	4.0
Bensonhurst	BK11	3.2
Bedford Stuyvesant	BK03	2.7
Sheepshead Bay	BK15	2.6
Park Slope	BK06	2.5
Flatbush, Midwood	BK14	2.4
Crown Heights North	BK08	2.3
Williamsburg, Greenpoint	BK01	2.2
Sunset Park	BK07	2.2
Bay Ridge	BK10	2.0
Fort Greene, Brooklyn Heights	BK02	1.9
Borough Park	BK12	1.7

QUEENS	CD	IMR
Queens Village	QN13	7.5
The Rockaways	QN14	7.5
Jamaica, St. Albans	QN12	5.5
Howard Beach	QN10	5.3
Elmhurst, Corona	QN04	4.9
Jackson Heights	QN03	4.2
Woodhaven	QN09	3.9
Fresh Meadows, Briarwood	QN08	3.7
Astoria, Long Island City	QN01	3.4
Bayside	QN11	3.4
Ridgewood, Glendale	QN05	3.1
Sunnyside, Woodside	QN02	1.5
Flushing	QN07	1.3
Rego Park, Forest Hills	QN06	0.9

MORTALITY

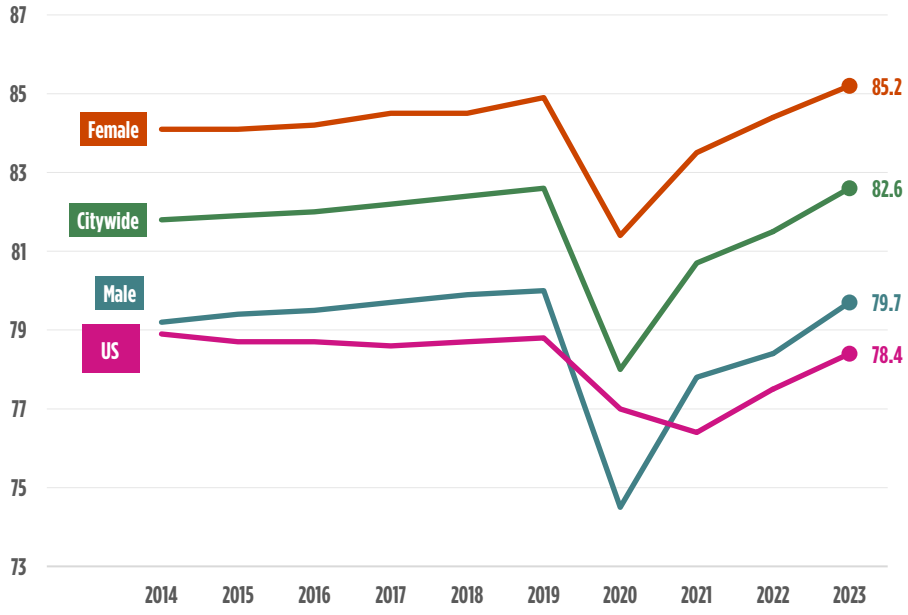
Leading Causes of Death (1970 – 2020), by rank



LIFE EXPECTANCY

Figure 1. Life Expectancy at Birth, Overall and by Sex, New York City and the United States, 2014-2023*

New York City's life expectancy at birth in 2023 was 82.6 years, an increase of 1.1 years from 2022. The increase is largely due to the decline in COVID-19 deaths from 2022 to 2023.



The life expectancy among males in New York City was 79.7 years, a 1.3-year increase since 2022.

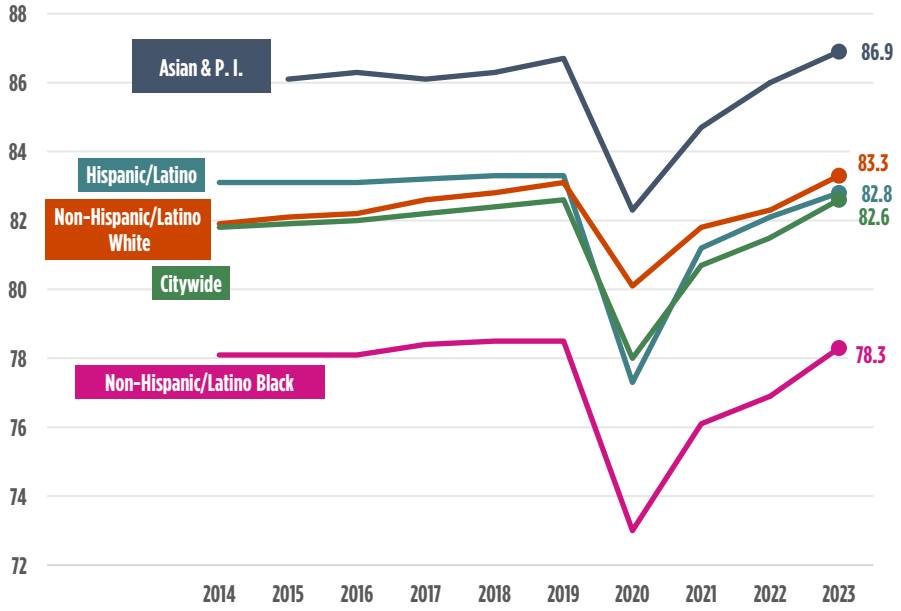
The life expectancy among females in New York City was 85.2 years, a 0.8-year increase since 2022.

The United States' life expectancy at birth was 78.4 in 2023 and has been consistently lower than New York City's life expectancy. The disparity between the US and citywide life expectancies gradually increased between 2014 and 2019, sharply decreased between 2019 and 2020, and increased again from 2021 through 2023.

*Life expectancies for 2014-2019 are updated based on citywide population estimates for 2011-2020 from "2023 County and Economic Development Regions Population Estimates" by the Cornell Jeb E. Brooks School of Public Policy. Population estimates by demographics were imputed by the Bureau of Epidemiological Services at NYC Department of Health and Mental Hygiene. Population data for 2023 are from Census Bureau population estimates, 2024 vintage.

Figure 2. Life Expectancy at Birth by Racial/Ethnic Group, New York City, 2014-2023

The New York City 2023 life expectancy at birth was 82.8 years among Hispanic/Latino people, 83.3 years among non-Hispanic/Latino white people, and 78.3 years among non-Hispanic/Latino Black people. Life expectancy for each racial/ethnic group increased since 2022.



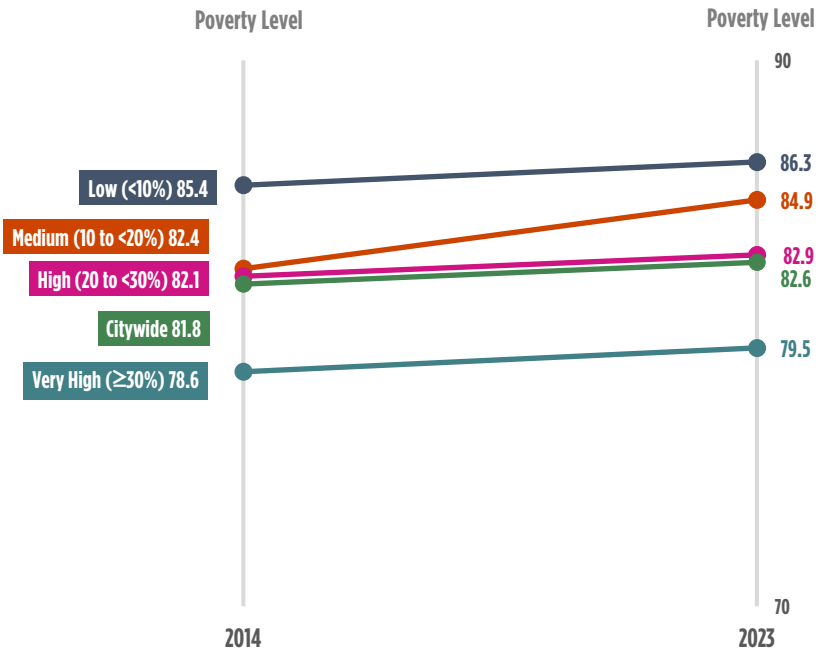
From 2022 to 2023, life expectancy increased by 1.4 years among non-Hispanic/Latino Black people, 0.7 years among Hispanic/Latino people, 1.0 year among non-Hispanic/Latino white people, and 0.9 years among Asian and Pacific Islander people.

Life expectancy among Asian and Pacific Islander people increased from 86.0 to 86.9 years between 2022 and 2023 (see Table M24).

LIFE EXPECTANCY

Figure 3. Life Expectancy at Birth by Neighborhood Poverty*, New York City, 2014 and 2023

Life expectancy increased across all categories of neighborhood poverty in New York City between 2014 and 2023. Life expectancy increased by 0.9 years in both very high poverty and low poverty areas.



The difference in life expectancy between very high and low poverty areas in 2023 was 6.8 years, the same as in 2022.

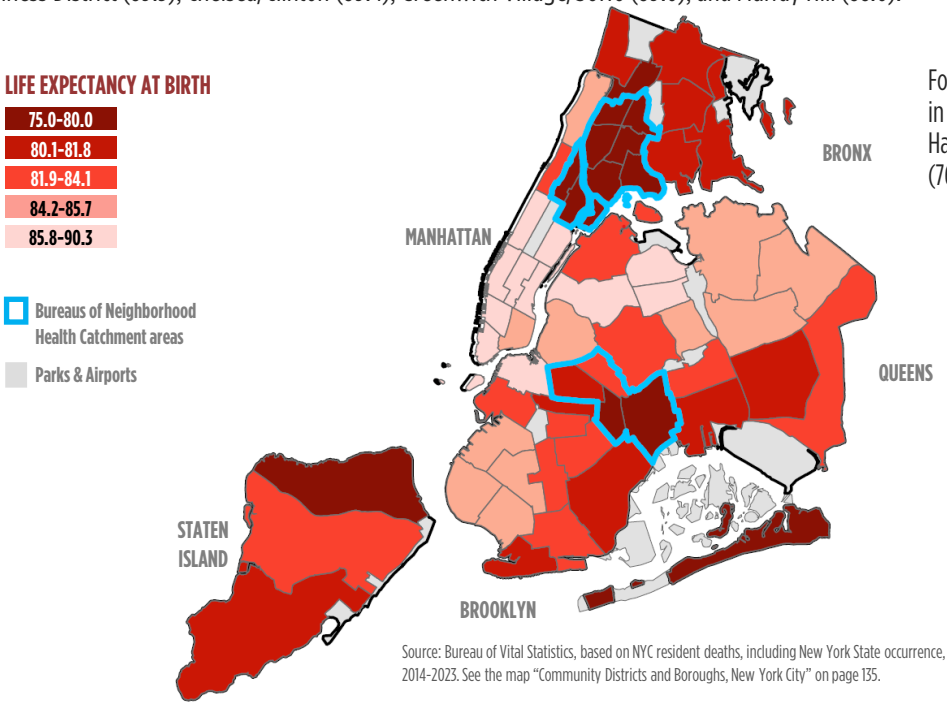
*Neighborhood poverty (based on mother's residential census tract) is defined as percent of residents with incomes below 100% of the Federal Poverty Level, per the American Community Survey (ACS) 2009-2013 for 2014 data and per ACS 2018-2022 for 2023 data.

*Mortality data are based on NYC residents, including New York State occurrence.

LIFE EXPECTANCY

Figure 4. Life Expectancy at Birth by Community District, New York City, 2014-2023

For 2014-2023, New York City's life expectancy at birth was highest in Sunnyside/Woodside (90.3), Midtown Business District (89.5), Chelsea/Clinton (89.4), Greenwich Village/SOHO (89.0), and Murray Hill (88.0).



For 2014-2023, life expectancy at birth was lowest in Brownsville (75.0), the Rockaways (76.2), Central Harlem (76.9), Morrisania (76.9), and East Tremont (76.9).

Source: Bureau of Vital Statistics, based on NYC resident deaths, including New York State occurrence, 2014-2023. See the map "Community Districts and Boroughs, New York City" on page 135.

MANHATTAN	CD	Life Expectancy
Midtown Business District	MN05	89.5
Chelsea, Clinton	MN04	89.4
Greenwich Village, SOHO	MN02	89.0
Murray Hill	MN06	88.0
Upper East Side	MN08	87.5
Battery Park, Tribeca	MN01	87.0
Upper West Side	MN07	86.2
Lower East Side	MN03	84.8
Washington Heights	MN12	84.5
Manhattanville	MN09	82.5
East Harlem	MN11	77.8
Central Harlem	MN10	76.9

BRONX	CD	Life Expectancy
Riverdale	BX08	81.8
Throgs Neck	BX10	81.6
Williamsbridge	BX12	81.1
Unionport, Soundview	BX09	80.9
Pelham Parkway	BX11	80.5
Concourse, Highbridge	BX04	80.0
Fordham	BX07	79.9
University, Morris Heights	BX05	79.4
Hunts Point	BX02	79.3
Mott Haven	BX01	77.3
Morrisania	BX03	76.9
East Tremont	BX06	76.9

STATEN ISLAND	CD	Life Expectancy
Willowbrook, South Beach	SI02	82.2
Port Richmond	SI01	80.0
Tottenville	SI03	81.1

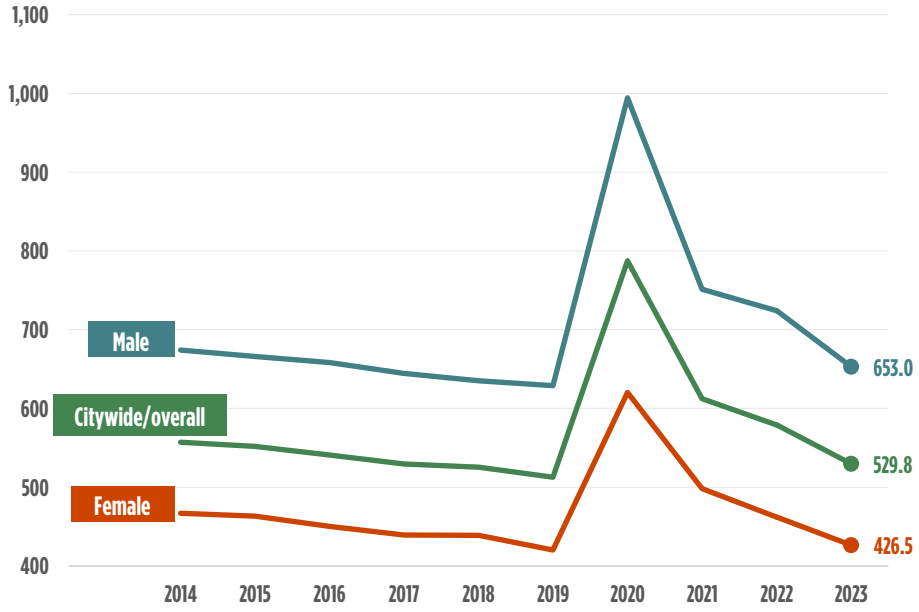
BROOKLYN	CD	Life Expectancy
Fort Greene, Brooklyn Heights	BK02	86.3
Borough Park	BK12	85.2
Bensonhurst	BK11	85.1
Williamsburg, Greenpoint	BK01	84.8
Bay Ridge	BK10	84.6
Sunset Park	BK07	84.2
Sheepshead Bay	BK15	84.1
Park Slope	BK06	83.9
Flatbush, Midwood	BK14	82.5
Bushwick	BK04	82.5
Crown Heights South	BK09	82.2
East Flatbush	BK17	81.9
Crown Heights North	BK08	81.8
Canarsie	BK18	81.4
Bedford Stuyvesant	BK03	80.5
Coney Island	BK13	80.3
East New York	BK05	78.1
Brownsville	BK16	75.0

QUEENS	CD	Life Expectancy
Sunnyside, Woodside	QN02	90.3
Elmhurst, Corona	QN04	86.6
Jackson Heights	QN03	85.8
Flushing	QN07	85.7
Rego Park, Forest Hills	QN06	85.6
Fresh Meadows, Briarwood	QN08	85.2
Bayside	QN11	84.9
Astoria, Long Island City	QN01	84.1
Woodhaven	QN09	83.1
Queens Village	QN13	82.5
Ridgewood, Glendale	QN05	81.9
Howard Beach	QN10	81.5
Jamaica, St. Albans	QN12	81.1
The Rockaways	QN14	76.2

CITYWIDE MORTALITY

Figure 5. Age-Adjusted Death Rates, Overall and by Sex, New York City, 2014-2023

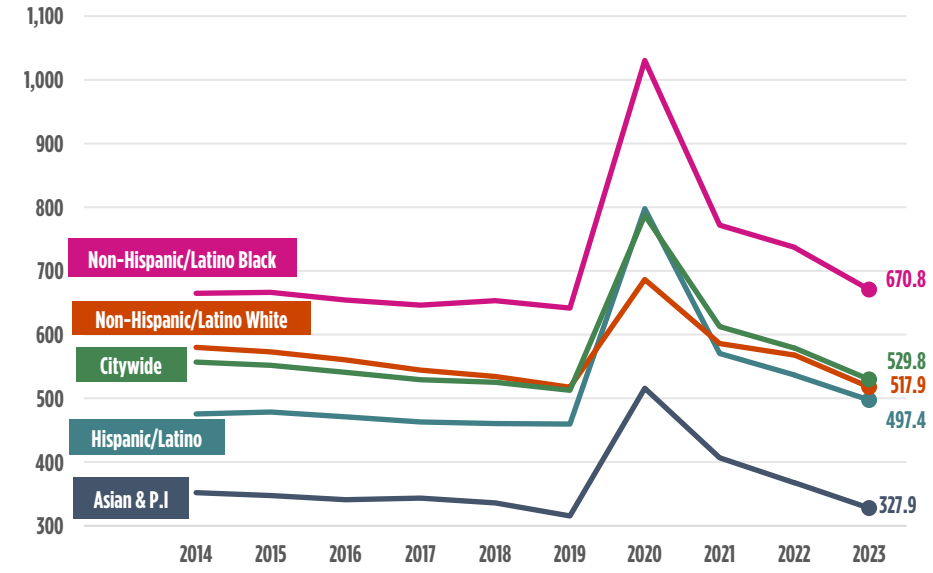
From 2019 to 2020, the citywide age-adjusted mortality rate sharply increased by 53.6%, largely due to the COVID-19 pandemic. In contrast, the age-adjusted death rate decreased in 2021 and 2022. The age-adjusted death rate decreased further from 579.2 per 100,000 population in 2022 to 529.8 in 2023, mostly due to the decline in COVID-19 deaths from 2022 to 2023.



From 2022 to 2023, age-adjusted death rates decreased by 9.8% among males, and by 7.7% among females.

Figure 6. Age-Adjusted Death Rates by Racial/Ethnic Group, New York City, 2014-2023

From 2022 to 2023, the age-adjusted death rate decreased among Hispanic/Latino people by 7.3%, among non-Hispanic/Latino Black people by 9.0%, among non-Hispanic/Latino white people by 8.9%, and among Asian and Pacific Islander people by 10.8%.

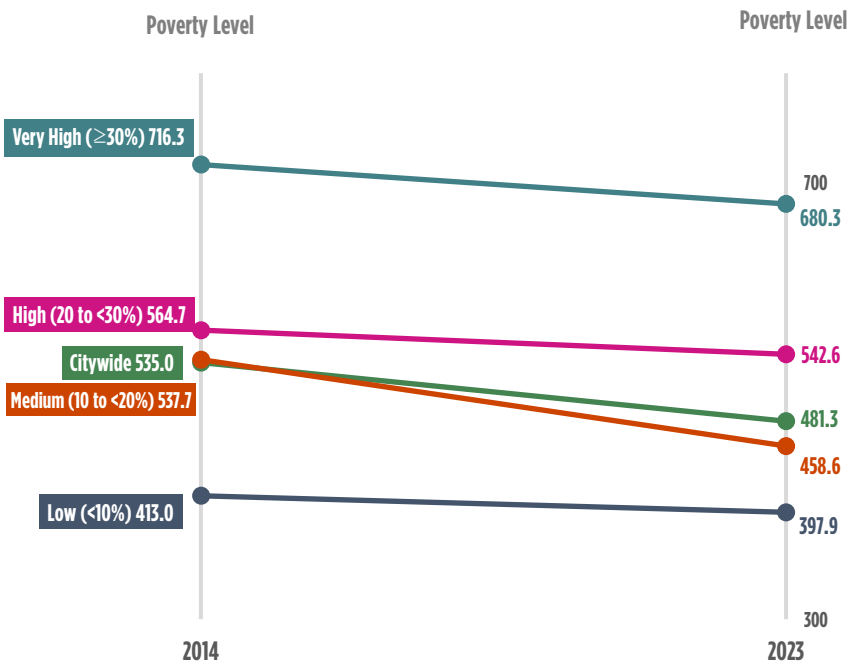


In 2023, the death rate for non-Hispanic/Latino Black people was 29.5% higher than the rate for non-Hispanic/Latino white people. The death rate has continued to be higher among non-Hispanic/Latino Black people compared to non-Hispanic/Latino white people over time. The gap has decreased since 2022 (the death rate for non-Hispanic/Latino Black people was 29.7% higher than the rate for non-Hispanic/Latino white people in 2022).

CITYWIDE MORTALITY

Figure 7. Age-Adjusted Death Rates by Neighborhood Poverty*†, New York City Residents, 2014 and 2023

Since 2014, age-adjusted death rates decreased across all categories of neighborhood poverty. Over that period, the rate decreased by 5.0% in very high poverty areas, by 3.9% in high poverty areas, by 14.7% in medium poverty areas, and by 3.7% in low poverty areas.



The age-adjusted death rate in areas with very high poverty was 1.7 times the rate in areas with low poverty in 2023, which was the same difference as in 2014.

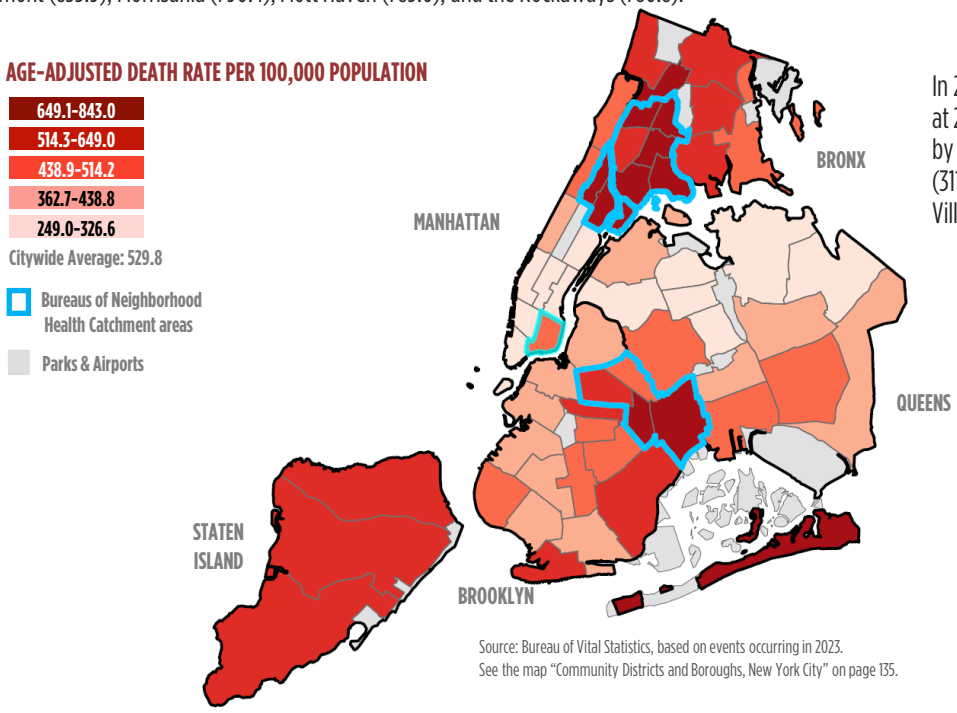
*Neighborhood poverty (based on decedent's residential census tract) is defined as percent of residents with incomes below 100% of the Federal Poverty Level, per the American Community Survey (ACS) 2009-2013 for 2014 data and per ACS 2018-2022 for 2023 data.

†The citywide estimate is restricted to NYC residents.

NEIGHBORHOOD MORTALITY

Figure 8. Age-Adjusted Death Rates by Community District of Residence, New York City, 2023

In 2023, Brownsville had the highest age-adjusted death rate, at 843.0 deaths per 100,000 population, followed by East Tremont (833.9), Morrisania (790.4), Mott Haven (785.0), and the Rockaways (780.8).



In 2023, Sunnyside/Woodside had the lowest rate, at 249.0 deaths per 100,000 population, followed by Bayside (311.6), the Midtown Business District (311.7), Murray Hill (316.5), and Greenwich Village/SOHO (321.2).

Source: Bureau of Vital Statistics, based on events occurring in 2023.

See the map "Community Districts and Boroughs, New York City" on page 135.

MANHATTAN	CD	Age-adjusted Death Rates
Central Harlem	MN10	748.0
East Harlem	MN11	728.3
Manhattanville	MN09	485.3
Washington Heights	MN12	453.1
Lower East Side	MN03	442.4
Upper West Side	MN07	403.7
Upper East Side	MN08	354.3
Chelsea, Clinton	MN04	332.5
Battery Park, Tribeca	MN01	326.9
Greenwich Village, SOHO	MN02	321.2
Murray Hill	MN06	316.5
Midtown Business District	MN05	311.7

BRONX	CD	Age-adjusted Death Rates
East Tremont	BX06	833.9
Morrisania	BX03	790.4
Mott Haven	BX01	785.0
Hunts Point	BX02	669.8
Fordham	BX07	654.8
University/Morris Heights	BX05	650.3
Concourse, Highbridge	BX04	649.0
Pelham Parkway	BX11	596.0
Riverdale	BX08	563.4
Unionport, Soundview	BX09	549.2
Williamsbridge	BX12	543.6
Throgs Neck	BX10	497.9

STATEN ISLAND	CD	Age-adjusted Death Rates
Tottenville	SI03	646.4
Port Richmond	SI01	639.2
Willowbrook, South Beach	SI02	525.7

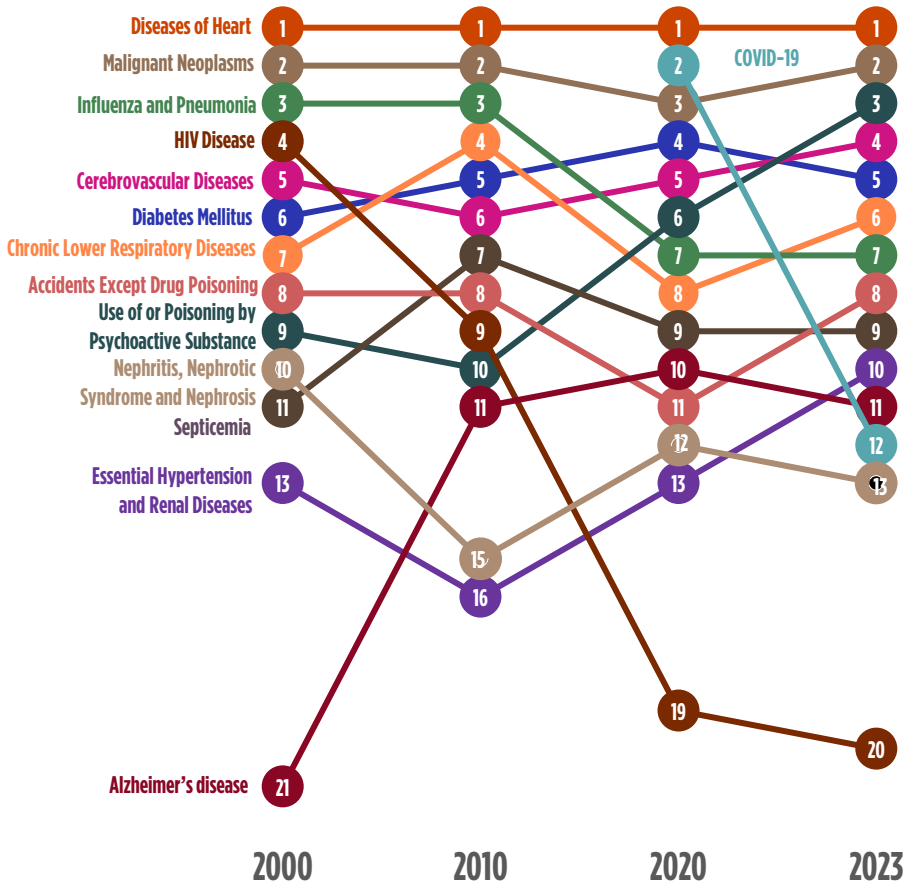
BROOKLYN	CD	Age-adjusted Death Rates
Brownsville	BK16	843.0
East New York	BK05	695.4
Coney Island	BK13	600.4
Crown Heights North	BK08	551.8
Bedford Stuyvesant	BK03	549.1
Canarsie	BK18	539.8
East Flatbush	BK17	514.2
Crown Heights South	BK09	497.0
Bushwick	BK04	491.4
Flatbush, Midwood	BK14	470.1
Bay Ridge	BK10	446.7
Sunset Park	BK07	438.8
Sheepshead Bay	BK15	433.8
Park Slope	BK06	423.2
Fort Greene, Brooklyn Heights	BK02	420.9
Bensonhurst	BK11	412.3
Williamsburg, Greenpoint	BK01	411.7
Borough Park	BK12	399.7

QUEENS	CD	Age-adjusted Death Rates
The Rockaways	QN14	780.8
Ridgewood, Glendale	QN05	494.0
Jamaica, St. Albans	QN12	485.7
Howard Beach	QN10	452.2
Woodhaven	QN09	437.9
Astoria, Long Island City	QN01	424.7
Fresh Meadows, Briarwood	QN08	385.0
Queens Village	QN13	372.7
Rego Park, Forest Hills	QN06	362.6
Flushing	QN07	353.0
Jackson Heights	QN03	352.6
Elmhurst, Corona	QN04	337.8
Bayside	QN11	311.6
Sunnyside, Woodside	QN02	249.0

LEADING CAUSES OF DEATH

Figure 9. Leading Causes of Death, New York City, 2000, 2010, 2020, and 2023

Heart disease* and malignant neoplasms ranked as the top two leading causes of death in 2023.



COVID-19 emerged as the 2nd leading cause of death in 2020 but dropped significantly to the 12th in 2023.

Use of or poisoning by psychoactive substances dropped from the 9th leading cause in 2000 to the 10th in 2010, rose to the 6th in 2020, and then further rose to the 3rd in 2023.

Alzheimer's disease has risen from the 21st leading cause in 2000, to the 11th leading cause in 2010, then to the 10th in 2020, and dropped to the 11th in 2023. Although this change in ranking reflects the aging of the population, increases in Alzheimer's disease observed since 2010 may be partly attributed to efforts to improve cause of death reporting.

Influenza and pneumonia remained at 3rd in both 2000 and 2010 but dropped to 7th in 2020 and 2023.

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

† Appendix B Technical Notes: Drug-Related Deaths.

Table 1. Leading Causes of Death by Sex, New York City, 2023*

Heart disease and malignant neoplasms are the 1st and 2nd leading causes of death, respectively, for both males and females.

Rank	Male	Female
1	Diseases of Heart	Diseases of Heart
2	Malignant Neoplasms	Malignant Neoplasms
3	Use of or Poisoning by Psychoactive Substance	Cerebrovascular Diseases
4	Cerebrovascular Diseases	Chronic Lower Respiratory Diseases
5	Accidents Except Poisoning by Psychoactive Substance	Diabetes Mellitus
6	Diabetes Mellitus	Use of or Poisoning by Psychoactive Substance
7	Influenza and Pneumonia	Influenza and Pneumonia
8	Chronic Lower Respiratory Diseases	Essential Hypertension and Renal Diseases
9	Essential Hypertension and Renal Diseases	Alzheimer's Disease
10	Septicemia	Septicemia

COVID-19 is dropped out this year from the top 10 leading causes of death among both males and females.

Use of or poisoning by psychoactive substance is the 3rd leading cause of death among males but ranks 6th among females.

Accidents except poisoning by psychoactive substance are a leading cause of death among males only (5th).

Alzheimer's disease is ranked as a leading cause of death among females only (9th).

*Counts and percentages for this table can be found in Table M7.

LEADING CAUSES OF DEATH

Table 2. Leading Causes of Death by Racial/Ethnic Group*, New York City, 2023†

Heart disease, and malignant neoplasms are the top 2 leading causes of death among all racial/ethnic groups.

Rank	Puerto Rican	Hispanic/Latino not of Puerto Rican ancestry	Asian & Pacific Islander	Non-Hispanic/Latino White	Non-Hispanic/Latino Black
1	Diseases of Heart	Diseases of Heart	Diseases of Heart	Diseases of Heart	Diseases of Heart
2	Malignant Neoplasms	Malignant Neoplasms	Malignant Neoplasms	Malignant Neoplasms	Malignant Neoplasms
3	Use of or Poisoning by Psychoactive Substance	Use of or Poisoning by Psychoactive Substance	Cerebrovascular Diseases	Cerebrovascular Diseases	Use of or Poisoning by Psychoactive Substance
4	Cerebrovascular Diseases	Cerebrovascular Diseases	Influenza and Pneumonia	Use of or Poisoning by Psychoactive Substance	Cerebrovascular Diseases
5	Diabetes Mellitus	Accidents Except Poisoning by Psychoactive Substance	Diabetes Mellitus	Chronic Lower Respiratory Diseases	Diabetes Mellitus
6	Chronic Lower Respiratory Diseases	Diabetes Mellitus	Accidents Except Poisoning by Psychoactive Substance	Influenza and Pneumonia	Essential Hypertension and Hypertensive Renal Diseases
7	Influenza and Pneumonia	Chronic Liver Disease and Cirrhosis	Essential Hypertension and Hypertensive Renal Disease	Accidents Except Poisoning by Psychoactive Substance	Chronic Lower Respiratory Diseases
8	Alzheimer's Disease	Influenza and Pneumonia	COVID-19	Diabetes Mellitus	Influenza and Pneumonia
9	Accidents Except Poisoning by Psychoactive Substance**	Essential Hypertension and Hypertensive Renal Diseases	Chronic Lower Respiratory Diseases	Essential Hypertension and Hypertensive Renal Diseases	Septicemia
10	Essential Hypertension and Hypertensive Renal Disease**	Septicemia	Septicemia	COVID-19	Accidents Except Poisoning by Psychoactive Substance

Use of or poisoning by psychoactive substance (drug-related deaths) is a leading cause of death among all racial/ethnic groups except Asian and Pacific Islander people.

Chronic lower respiratory diseases are among the top 10 leading causes of death in all racial/ethnic groups except Hispanic/Latino people not of Puerto Rican ancestry. Chronic lower respiratory diseases rank 5th among non-Hispanic/Latino white people, 6th among Puerto Rican people, 7th among non-Hispanic/Latino Black people, 9th among Asian and Pacific Islander people.

COVID-19 is a leading cause of death among Asian and Pacific Islander people (8th) and Non-Hispanic/Latino white people (10th), but does not appear in the top 10 for other groups.

Essential hypertension and hypertensive renal disease rank 6th among non-Hispanic/Latino Black people, 7th among Asian and Pacific Islander people, 9th among both Hispanic/Latino people not of Puerto Rican ancestry, and 10th among Puerto Rican people.

Cerebrovascular diseases rank 3rd among both Asian and Pacific Islander people and non-Hispanic/Latino white people. They rank 4th among Puerto Rican people, Hispanic/Latino people not of Puerto Rican ancestry, and non-Hispanic/Latino Black people.

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

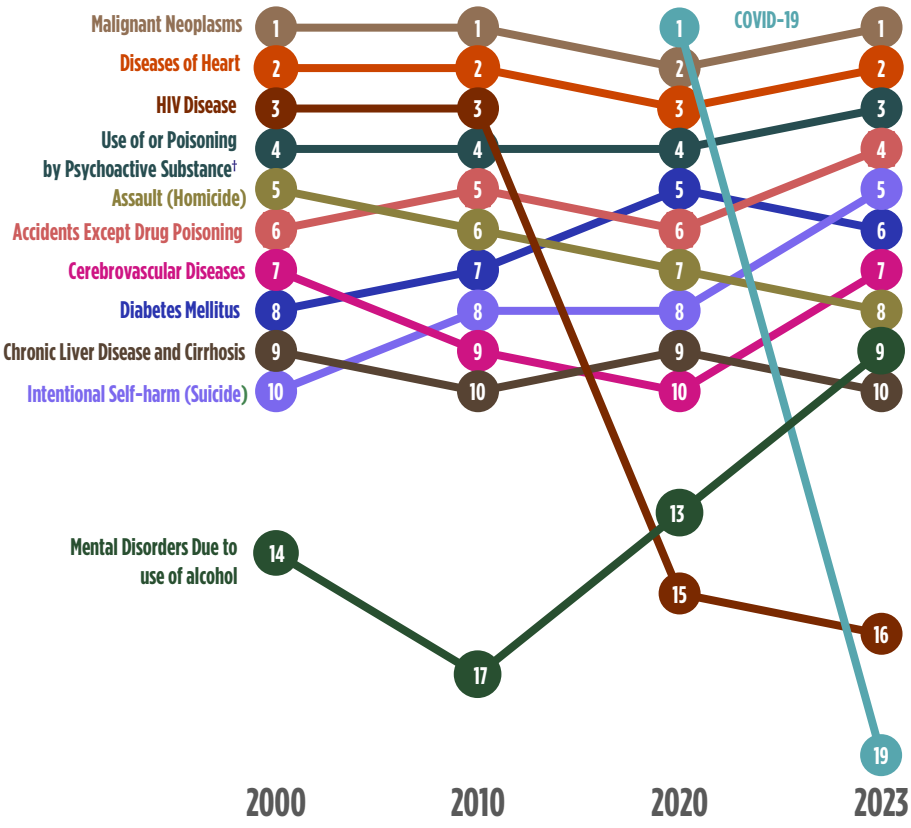
† Counts and percentages for this table can be found in Table M8.

**** Tied ranks**

PREMATURE DEATH

Figure 10. Leading Causes of Premature Death (Age <65 Years), New York City, 2000, 2010, 2020, and 2023

Malignant neoplasms (cancer) and heart disease* ranked as the top two leading causes of premature death in 2023.



HIV disease dropped from the 3rd leading cause of premature death in 2000 and 2010 to the 15th in 2020, and then further dropped to the 16th in 2023.

COVID-19 was the 1st leading cause of premature death in 2020 but dropped to the 19th in 2023.

Diabetes mellitus rose from the 8th leading cause of premature death in 2000, to the 7th in 2010, to the 5th in 2020, but dropped to the 6th in 2023.

Intentional self-harm (suicide) rose from the 10th leading cause of premature death in 2000 to the 8th in both 2010, 2020 and rose further to 5th in 2023.

Mental disorders due to use of alcohol dropped from the 14th leading cause of premature death in 2000 to the 17th in 2010, then rose to 13th in 2020 and further to 9th in 2023.

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

† Appendix B Technical Notes: Drug-Related Deaths.

Table 3. Leading Causes of Premature Death (Age <65 Years) by Sex, New York City, 2023*

Use of or poisoning by psychoactive substance was the 1st leading cause of premature death for males in 2023, and malignant neoplasms were the 1st leading cause of premature death for females.

Rank	Male	Female
1	Use of Poisoning by Psychoactive Substance	Malignant Neoplasms
2	Diseases of Heart	Diseases of Heart
3	Malignant Neoplasms	Use of Poisoning by Psychoactive Substance
4	Accidents Except Poisoning by Psychoactive Substance	Diabetes Mellitus
5	Intentional Self-Harm (Suicide)	Cerebrovascular Disease
6	Assault (Homicide)	Intentional Self-Harm (Suicide)
7	Diabetes Mellitus	Accidents Except Poisoning By Psychoactive Substance**
8	Mental Disorders Due to Use of Alcohol	Chronic Lower Respiratory Diseases**
9	Chronic Liver Disease and Cirrhosis	Septicemia
10	Cerebrovascular Disease	Chronic Liver Disease and Cirrhosis

** Tied ranks

Heart disease was the 2nd leading cause of premature death among both males and females.

Assault (homicide) and mental disorders due to use of alcohol were leading causes of premature death among males only, ranking 6th and 8th, respectively. Chronic lower respiratory diseases were a leading cause of premature death among females only, ranking 8th, while cerebrovascular diseases ranked 5th among females and 10th among males.

*Counts and percentages for this table can be found in Table M9.

PREMATURE DEATH

Table 4. Leading Causes of Premature Death (Age <65 Years) by Racial/Ethnic Group*, New York City, 2023†

Use of or poisoning by psychoactive substance is the 1st leading cause of premature death for Puerto Rican people and Hispanic/Latino people not of Puerto Rican ancestry, while malignant neoplasms are the 1st leading cause for Asian and Pacific Islander people and non-Hispanic/Latino white people, and heart disease is the 1st leading cause for non-Hispanic/Latino Black people.

Rank	Puerto Rican	Hispanic/Latino not of Puerto Rican ancestry	Asian & Pacific Islander	Non-Hispanic/Latino White	Non-Hispanic/Latino Black
1	Use of or Poisoning by Psychoactive Substance	Use of Poisoning by Psychoactive Substance	Malignant Neoplasms	Malignant Neoplasms	Diseases of Heart
2	Diseases of Heart	Malignant Neoplasms	Diseases of Heart	Diseases of Heart	Malignant Neoplasms
3	Malignant Neoplasms	Diseases of Heart	Accidents Except Poisoning by Psychoactive Substance	Use of Poisoning by Psychoactive Substance	Use of Poisoning by Psychoactive Substance
4	Accidents Except Poisoning by Psychoactive Substance	Accidents Except Poisoning by Psychoactive Substance	Intentional Self-Harm (Suicide)	Intentional Self-Harm (Suicide)	Assault (Homicide)
5	Diabetes Mellitus	Chronic Liver Disease and Cirrhosis	Use of Poisoning by Psychoactive Substance	Accidents Except Poisoning by Psychoactive Substance	Diabetes Mellitus
6	Chronic Liver Disease and Cirrhosis	Intentional Self-Harm (Suicide)	Cerebrovascular Disease	Mental Disorders Due to Use of Alcohol	Accidents Except Poisoning by Psychoactive Substance
7	Chronic Lower Respiratory Diseases	Assault (Homicide)	Congenital Malformations, Deformations	Diabetes Mellitus	Cerebrovascular Disease
8	Septicemia	Mental Disorders Due to Use of Alcohol	Diabetes Mellitus	Chronic Liver Disease and Cirrhosis	Chronic Lower Respiratory Diseases
9	Cerebrovascular Diseases	Cerebrovascular Disease	Septicemia	Cerebrovascular Disease	Human Immunodeficiency Virus Disease**
10	Human Immunodeficiency Virus (HIV) Disease**	Diabetes Mellitus	Chronic Liver Disease and Cirrhosis**	Influenza and Pneumonia	Intentional Self-Harm (Suicide)**
10	Intentional Self-harm (Suicide)**		Mental Disorders Due to Use of Alcohol**		

Malignant Neoplasm is a leading cause of premature death among Asian and Pacific Islander people and non-Hispanic/Latino white people (1st), non-Hispanic/Latino Black people and Hispanic/Latino people not of Puerto Rican ancestry (2nd), and Puerto Rican people (3rd).

Intentional self-harm (suicide) ranks as a leading cause of premature death among Asian and Pacific Islander people (4th), non-Hispanic/Latino white people (4th) and Hispanic/Latino people not of Puerto Rican ancestry (6th). It is also a leading cause for both Puerto Rican people and non-Hispanic/Latino Black people, where it ranks 10th.

Human immunodeficiency virus (HIV) disease is a leading cause of premature death among non-Hispanic/Latino Black people (9th) and Puerto Rican people (10th).

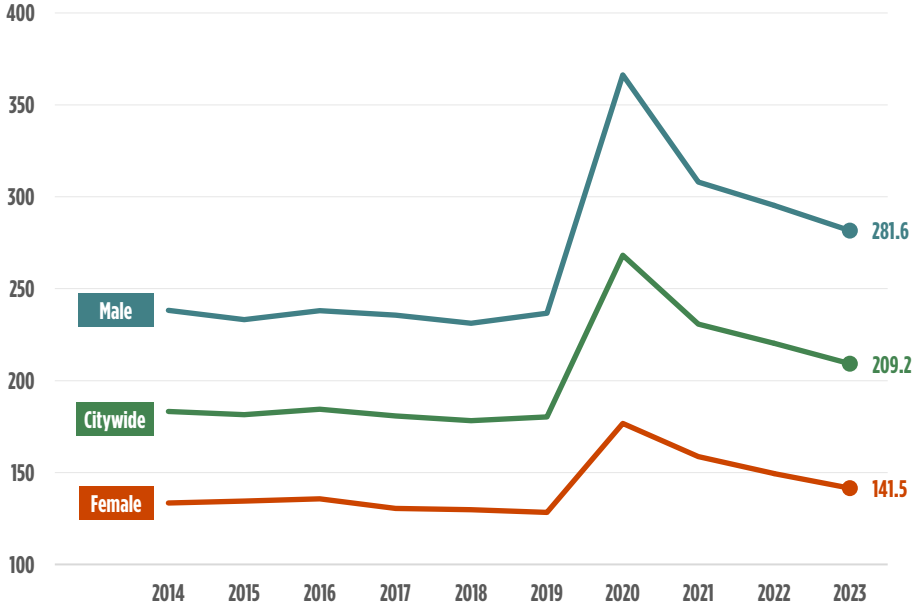
Assault (Homicide) is a leading cause of premature death among non-Hispanic/Latino Black people (4th), and Hispanic/Latino people not of Puerto Rican ancestry (7th).

* 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.
** Tied ranks

PREMATURE DEATH

Figure 11. Age-Adjusted Premature Death (Age <65 Years) Rates, Overall and by Sex, New York City, 2014–2023

New York City's age-adjusted premature death rate (age <65 years) declined by 13.9% from 2020 to 2021, and decreased by 4.5% from 2021 to 2022, per 100,000 population. More recently, the rate decreased by 5.0% from 2022 (220.3 per 100,000 population) to 2023 (209.2 per 100,000 population).

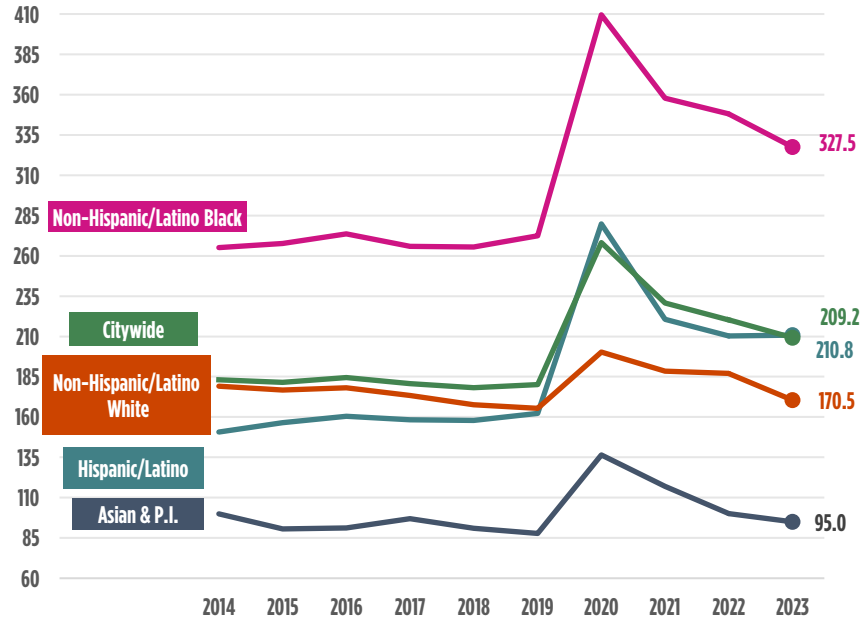


However, the age-adjusted premature death rate is still higher than the pre-pandemic in 2019, when the rate was 180.2 per 100,000 population.

The age-adjusted premature death rate for females has been consistently lower than the rate for males.

Figure 12. Age-Adjusted Premature Death (Age <65 Years) Rates by Racial/Ethnic Group, New York City, 2014–2023

From 2022 to 2023, the age-adjusted premature mortality rate increased slightly among Hispanic/Latino people by 0.2% while it decreased among non-Hispanic/Latino Black people by 5.9%, among non-Hispanic/Latino white people by 8.8%, and among Asian and Pacific Islander people by 5.1%.

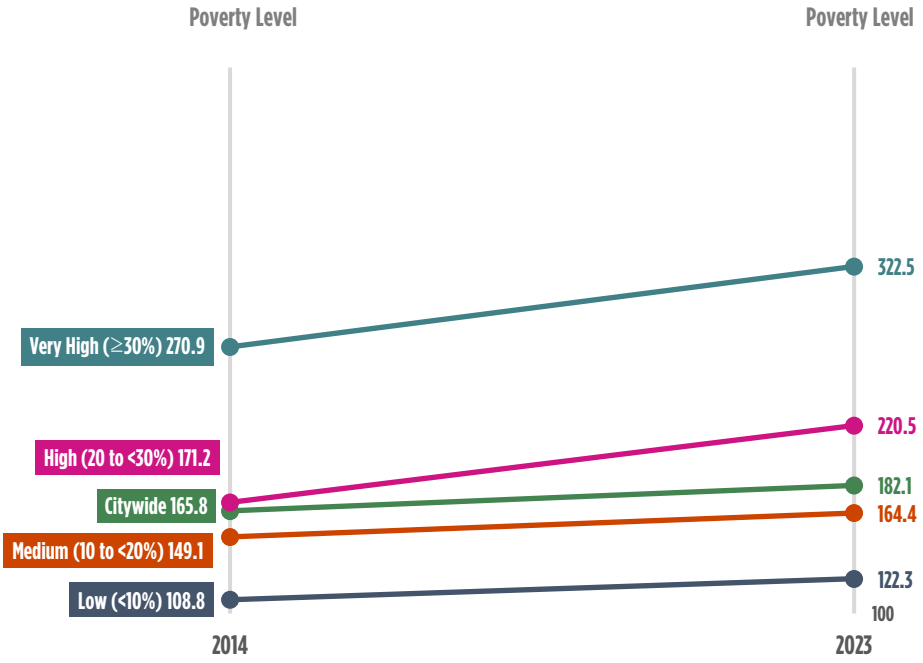


In 2023, non-Hispanic/Latino Black people had the highest age-adjusted premature death rate (92.1% higher than non-Hispanic/Latino white people). Both non-Hispanic/Latino Black people and Hispanic/Latino people had rates above the citywide average.

PREMATURE DEATH

Figure 13. Age-Adjusted Premature Death (Age <65 Years) Rates by Neighborhood Poverty*†, New York City Residents, 2014 and 2023

Between 2014 and 2023, the age-adjusted premature mortality rate increased across all neighborhood poverty categories.



Over that time, the rate increased by 12.4% in low poverty neighborhoods, by 10.3% in medium poverty neighborhoods, by 28.8% in high poverty neighborhoods, and by 19.0% in very high poverty neighborhoods.

The gap between very high and low poverty neighborhoods remains significant. In 2023, the premature mortality rate in very high poverty neighborhoods was 2.6 times higher than in low poverty neighborhoods, a slight increase in disparity compared to 2022 (2.5 times).

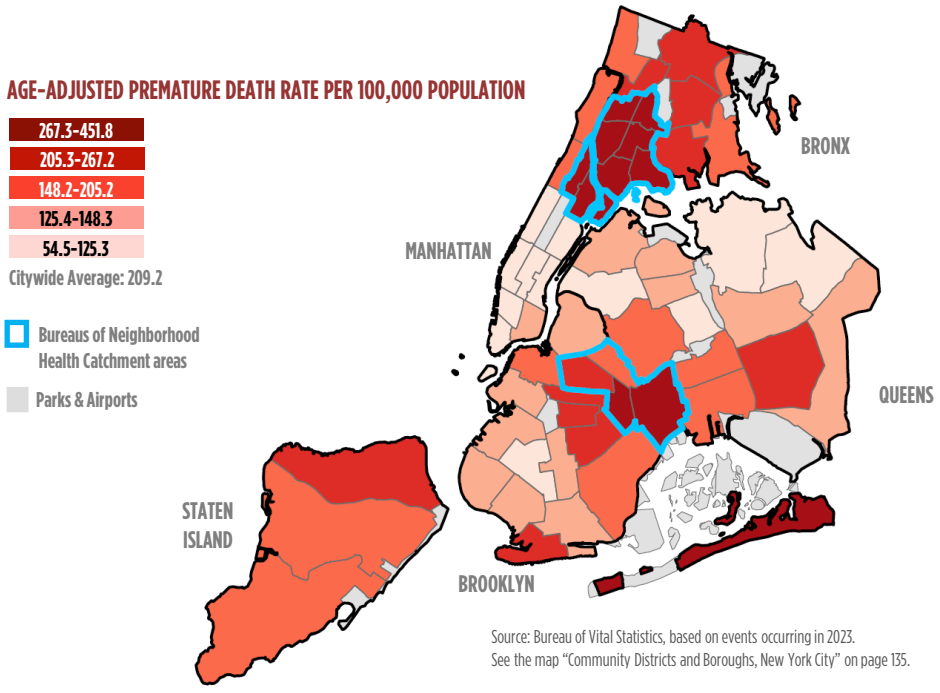
*Neighborhood poverty (based on decedent's residential census tract) is defined as percent of residents with incomes below 100% of the Federal Poverty Level, per the American Community Survey (ACS) 2009-2013 for 2014 data and per ACS 2018-2022 for 2023 data.

†The citywide estimate is restricted to NYC residents.

PREMATURE DEATH

Figure 14. Age-Adjusted Premature Death (Age <65 Years) Rates by Community District of Residence, New York City, 2023

In 2023, New York City's highest age-adjusted premature death rates were observed in Brownsville (451.8 deaths per 100,000 population), followed by Morrisania (443.3), Mott Haven (437.4), East Tremont (405.0), and Hunts Point (366.3).



In 2023, the lowest age-adjusted premature death rate was in Battery Park/Tribeca at 54.5 deaths per 100,000 population, followed by Sunnyside/Woodside (74.6), Greenwich Village/SOHO (75.9), Murray Hill (81.6), and Rego Park/Forest Hills (87.0).

Source: Bureau of Vital Statistics, based on events occurring in 2023.

See the map "Community Districts and Boroughs, New York City" on page 135.

MANHATTAN	CD	Premature Death Rates
East Harlem	MN11	345.1
Central Harlem	MN10	296.9
Manhattanville	MN09	180.9
Washington Heights	MN12	166.4
Lower East Side	MN03	148.3
Upper West Side	MN07	109.4
Chelsea, Clinton	MN04	104.2
Midtown Business District	MN05	94.6
Upper East Side	MN08	92.6
Murray Hill	MN06	81.6
Greenwich Village, SOHO	MN02	75.9
Battery Park, Tribeca	MN01	54.5

BRONX	CD	Premature Death Rates
Morrisania	BX03	443.3
Mott Haven	BX01	437.4
East Tremont	BX06	405.0
Hunts Point	BX02	366.3
University, Morris Heights	BX05	301.0
Concourse, Highbridge	BX04	298.4
Fordham	BX07	267.2
Pelham Parkway	BX11	259.9
Williamsbridge	BX12	240.1
Unionport, Soundview	BX09	238.6
Riverdale	BX08	205.2
Throgs Neck	BX10	173.3

STATEN ISLAND	CD	Premature Death Rates
Port Richmond	SI01	239.8
Tottenville	SI03	172.4
Willowbrook, South Beach	SI02	151.4

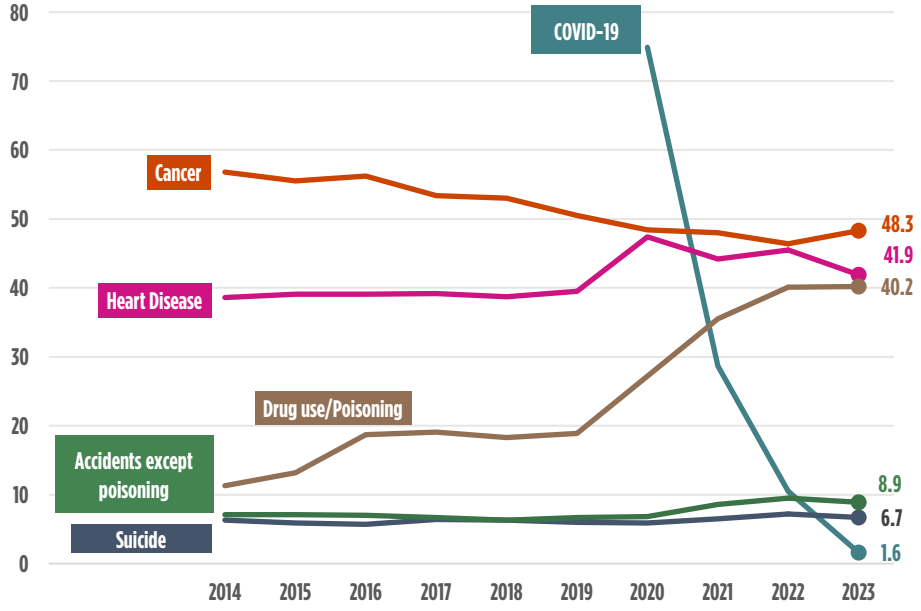
BROOKLYN	CD	Premature Death Rates
Brownsville	BK16	451.8
East New York	BK05	321.3
Bedford Stuyvesant	BK03	262.7
Crown Heights North	BK08	239.0
East Flatbush	BK17	236.6
Coney Island	BK13	235.5
Crown Heights South	BK09	210.0
Bushwick	BK04	199.0
Canarsie	BK18	179.1
Fort Greene, Brooklyn Heights	BK02	153.8
Sunset Park	BK07	148.0
Flatbush, Midwood	BK14	145.0
Williamsburg, Greenpoint	BK01	138.9
Bensonhurst	BK11	135.1
Sheepshead Bay	BK15	125.8
Bay Ridge	BK10	125.5
Park Slope	BK06	125.4
Borough Park	BK12	125.3

QUEENS	CD	Premature Death Rates
The Rockaways	QN14	326.3
Jamaica, St. Albans	QN12	210.1
Ridgewood, Glendale	QN05	160.0
Woodhaven	QN09	153.8
Howard Beach	QN10	153.2
Astoria, Long Island City	QN01	148.3
Jackson Heights	QN03	141.5
Elmhurst, Corona	QN04	132.0
Fresh Meadows, Briarwood	QN08	130.4
Queens Village	QN13	129.4
Flushing	QN07	116.7
Bayside	QN11	90.6
Rego Park, Forest Hills	QN06	87.0
Sunnyside, Woodside	QN02	74.6

PREMATURE DEATH

Figure 15. Leading Causes of Premature Death (Age <65 Years), New York City, 2014–2023

In 2023, cancer had the highest premature death rate at 48.3 deaths per 100,000 population, followed by heart disease at 41.9. Over the past ten years, the premature death rate for cancer decreased by 15.0% however, the rate for heart disease increased by 8.5%.



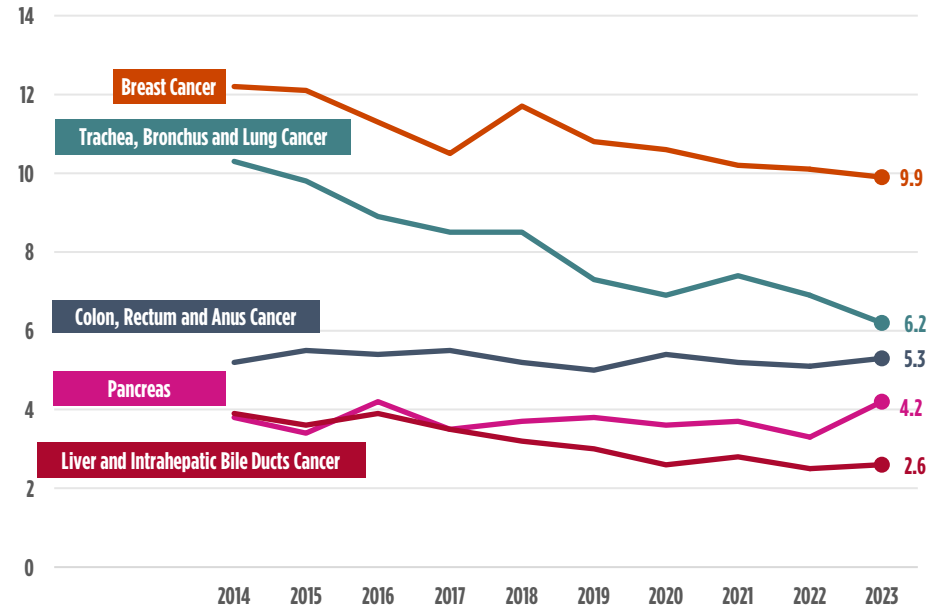
In 2023, use of or poisoning by psychoactive substance, accidents except poisoning, and suicide, accounted for the 3rd, 4th, and 5th leading causes of premature death, respectively. COVID-19 dropped significantly to the 19th position.

The rate of premature drug-related deaths (use of or poisoning by psychoactive substance) increased by 0.2% from 2022 to 2023 and increased by 255.8% since 2014.

The rate of COVID-19 deaths decreased by 84.8% since 2022.

Figure 16. Leading Causes of Premature Cancer Deaths (Age <65 Years), New York City, 2014–2023

Breast (female) and lung cancer death rates were the highest in New York City, at 9.9 and 6.2 deaths per 100,000 population, respectively.



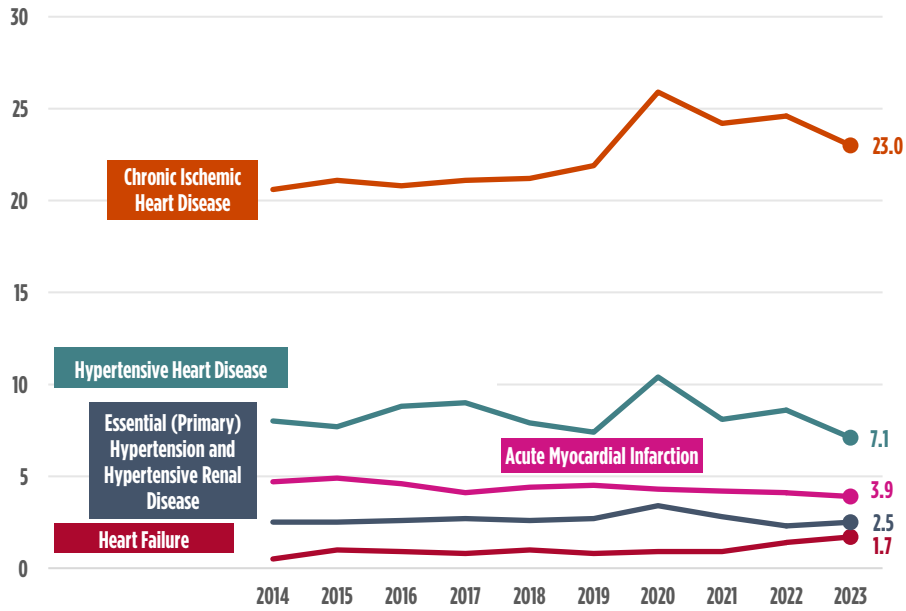
Since 2014, premature breast (female) cancer and lung cancer death rates declined by 18.9% and 39.8%, respectively. From 2022 to 2023, the breast cancer death rate declined by 2.0%, while the lung cancer death rate declined by 10.1%.

Premature colon, pancreas, and liver cancers account for the 3rd, 4th, and 5th highest rates of cancer deaths, at 5.3, 4.2, and 2.6 deaths per 100,000 population, respectively, in 2023. Death rates for breast cancer, lung cancer, and liver cancer have declined while death rates for colon cancer, and pancreas cancer have increased since 2014.

PREMATURE DEATH

Figure 17. Leading Causes of Premature Heart Disease Deaths (Age <65 Years), New York City, 2014–2023

The crude rate of the leading cause of premature heart disease deaths, chronic ischemic heart disease, has increased by 11.7% since 2014.

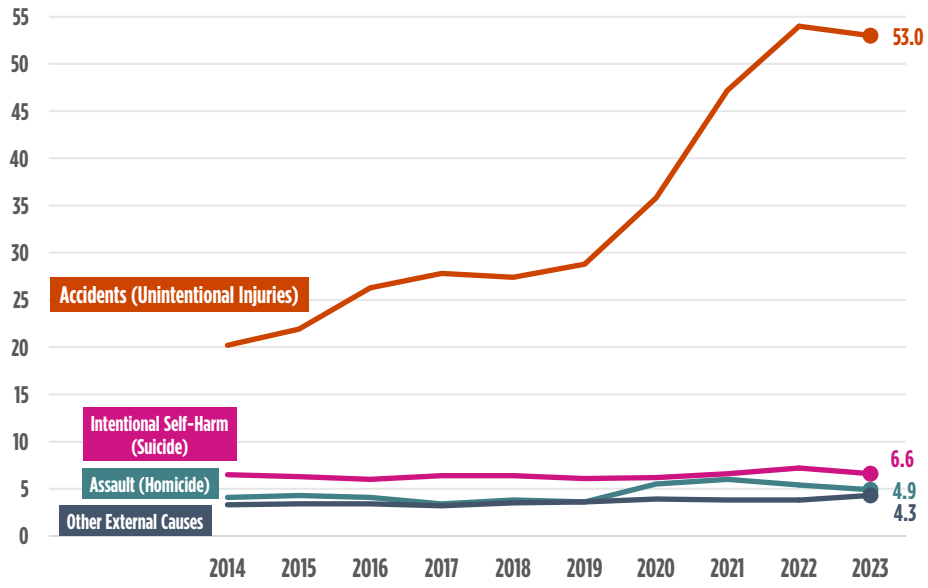


Since 2014, hypertensive heart disease decreased by 11.3%, essential hypertension and hypertensive renal disease remained the same, acute myocardial infarction decreased by 17.0%, and heart failure increased by 240.0%.

EXTERNAL CAUSES OF DEATH

Figure 18. Crude Death Rates for External Causes of Death*, New York City, 2014–2023

Deaths due to accidents continued to account for the largest share of deaths due to external causes.



In 2023, the accident death rate increased by 162.4% from ten years ago (53.0 per 100,000 population in 2023 vs. 20.2 per 100,000 population in 2014), primarily due to the increase in drug-related deaths.

The rate of deaths due to assault (homicide) increased over the past ten years by 19.5%.

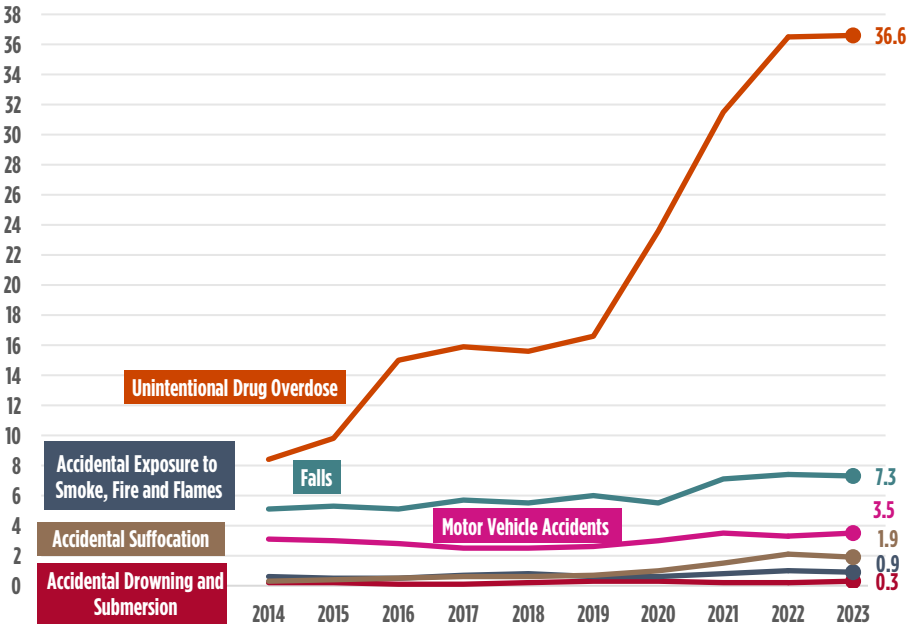
The suicide rate was 6.6 per 100,000 population in 2023, which is a slight increase from 6.5 per 100,000 population in 2014.

The death rate due to all other external causes combined was higher in 2023 (4.3 per 100,000 population) compared to ten years ago (3.3 per 100,000 population)†.

* 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 19. Crude Death Rates for Selected Accidental Causes of Death, New York City, 2014-2023

The unintentional drug overdose* rate increased by 0.3% from 2022 (36.5 per 100,000 population in 2022 vs. 36.6 per 100,000 population in 2023) and by 335.7% from 2014 (8.4 per 100,000 population in 2014).



Unintentional drug overdose exceeds all other causes, with a crude rate in 2023 that was 10.5 times that of motor vehicle accidents, and 5.0 times that of fall-related deaths.

The crude death rate due to motor vehicle accidents increased over the past ten years, from 3.1 deaths per 100,000 population in 2014, to 3.5 per 100,000 population in 2023, an increase of 12.9%; it increased by 6.1% from 2022 to 2023. The falls-related crude death rate has increased by 43.1% since 2014 (7.3 per 100,000 population in 2023 vs. 5.1 per 100,000 population in 2014).

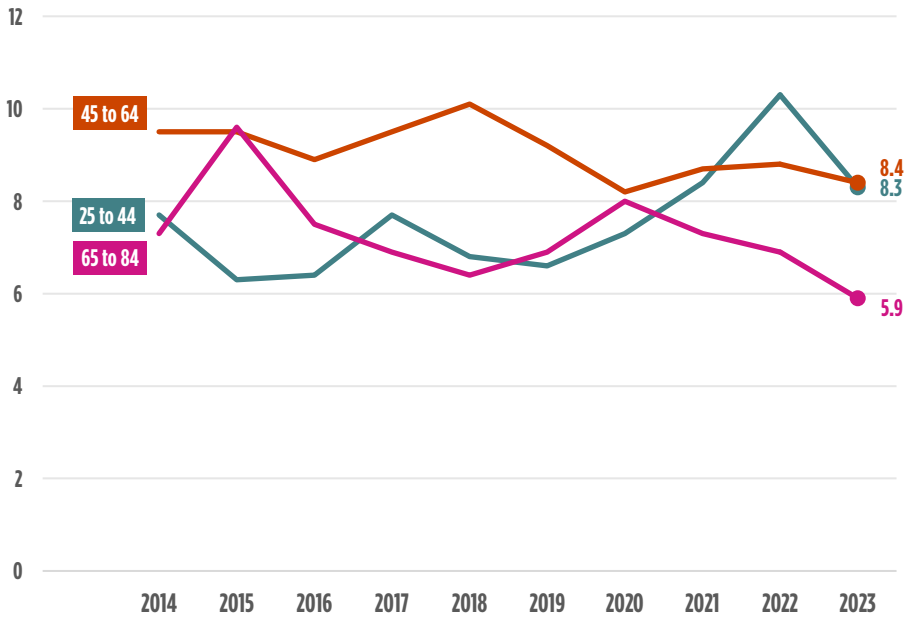
The death rate due to accidental suffocation increased over the past ten years by 533.3% and the death rate due to accidental exposure to smoke, fire, and flames increased by 50.0%. The death rate due to accidental drowning and submersion increased by 50% over the past ten years.

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

EXTERNAL CAUSES OF DEATH

Figure 20. Age-Specific Suicide Death Rates, New York City, 2014–2023

Death rates due to suicide were highest among the age group 45 to 64, at 8.4 deaths per 100,000 population in 2023.

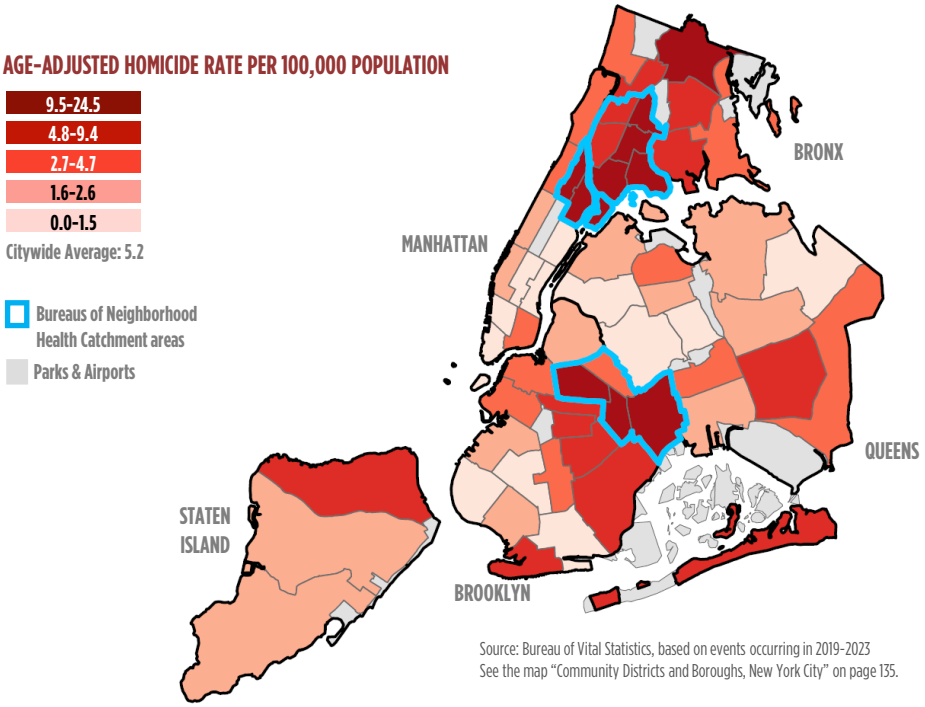


The rate of suicide deaths among adults aged 65-84 was 5.9 per 100,000 population in 2023, 19.2% lower than the rate in 2014. Compared to 2014, rates increased by 7.8% among the age group 25-44, and decreased by 11.6% among the age group 45-64.

EXTERNAL CAUSES OF DEATH

Figure 21. Age-Adjusted Homicide Death Rates (Five-Year Averages) by Community District of Residence, New York City, 2019-2023

The five-year average age-adjusted homicide rate was highest in Brownsville with 24.5 deaths per 100,000 population, followed by Morrisania at 15.0, East Tremont at 12.9, Mott Haven, and Hunts Point each at 11.9.



Source: Bureau of Vital Statistics, based on events occurring in 2019-2023

See the map "Community Districts and Boroughs, New York City" on page 135.

Among Community Districts, the five-year average age-adjusted homicide rates were lowest in Greenwich Village/SOHO at 0.0 per 100,000 population, followed by Battery Park/Tribeca at 0.2, Midtown Business District and Upper East Side each at 0.5, and Borough Park at 0.6.

This figure uses five years of data due to the small number of homicide deaths in each community district per year.

MANHATTAN	CD	Homicide Death Rates
Central Harlem	MN10	10.5
East Harlem	MN11	10.4
Manhattanville	MN09	4.6
Washington Heights	MN12	4.5
Lower East Side	MN03	3.8
Upper West Side	MN07	2.2
Chelsea, Clinton	MN04	1.9
Murray Hill	MN06	0.7
Midtown Business District	MN05	0.5
Upper East Side	MN08	0.5
Battery Park, Tribeca	MN01	0.2
Greenwich Village, SOHO	MN02	0.0

BRONX	CD	Homicide Death Rates
Morrisania	BX03	15.0
East Tremont	BX06	12.9
Mott Haven	BX01	11.9
Hunts Point	BX02	11.9
Williamsbridge	BX12	10.5
University, Morris Heights	BX05	8.7
Concourse, Highbridge	BX04	8.5
Pelham Parkway	BX11	7.3
Unionport, Soundview	BX09	6.5
Fordham	BX07	5.4
Throgs Neck	BX10	4.7
Riverdale	BX08	2.8

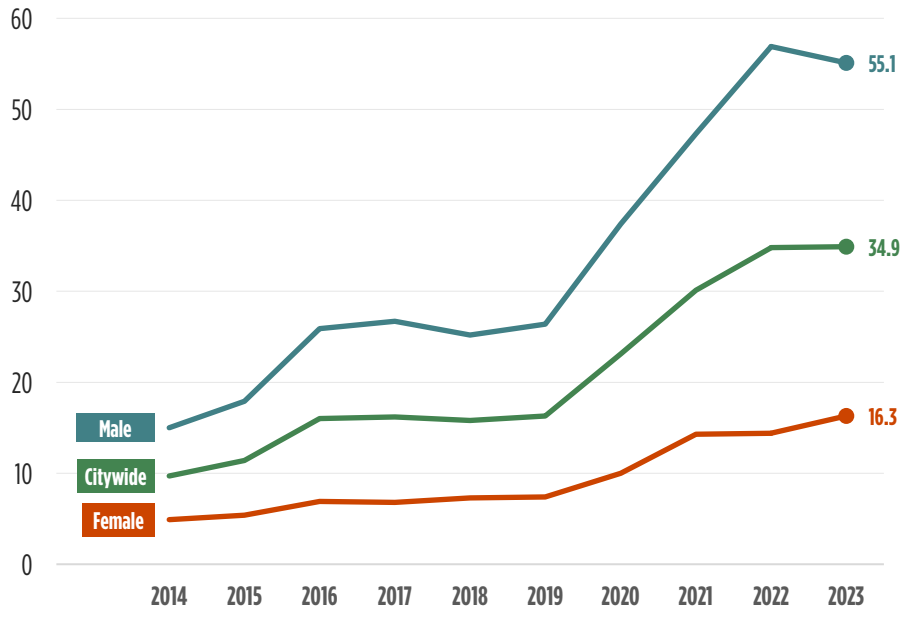
STATEN ISLAND	CD	Homicide Death Rates
Port Richmond	SI01	6.6
Willowbrook, South Beach	SI02	2.6
Tottenville	SI03	1.6

BROOKLYN	CD	Homicide Death Rates
Brownsville	BK16	24.5
East New York	BK05	11.2
Bedford Stuyvesant	BK03	10.5
Crown Heights North	BK08	9.4
East Flatbush	BK17	8.6
Crown Heights South	BK09	6.1
Coney Island	BK13	5.5
Canarsie	BK18	5.5
Bushwick	BK04	4.7
Park Slope	BK06	3.9
Flatbush, Midwood	BK14	3.6
Fort Greene, Brooklyn Heights	BK02	3.0
Williamsburg, Greenpoint	BK01	2.0
Sunset Park	BK07	1.9
Bensonhurst	BK11	1.9
Sheepshead Bay	BK15	1.4
Bay Ridge	BK10	0.8
Borough Park	BK12	0.6

QUEENS	CD	Homicide Death Rates
The Rockaways	QN14	9.4
Jamaica, St. Albans	QN12	7.6
Queens Village	QN13	4.6
Jackson Heights	QN03	3.5
Woodhaven	QN09	2.7
Elmhurst, Corona	QN04	2.4
Howard Beach	QN10	2.4
Astoria, Long Island City	QN01	1.9
Flushing	QN07	1.9
Fresh Meadows, Briarwood	QN08	1.8
Rego Park, Forest Hills	QN06	1.5
Ridgewood, Glendale	QN05	1.4
Bayside	QN11	1.2
Sunnyside, Woodside	QN02	0.8

DRUG-RELATED MORTALITY

Figure S1. Age-Adjusted Drug-related Death Rates, Overall and by Sex, New York City, 2014-2023



The special section focuses on drug-related (use of or poisoning by psychoactive substance) deaths, which include deaths due to chronic substance use and drug overdose. All manners of death are included in drug-related deaths. The National Center for Health Statistics uses this definition for categorizing the leading causes of death.

Unintentional drug overdose deaths accounted for 97.2% of drug-related deaths in 2023.

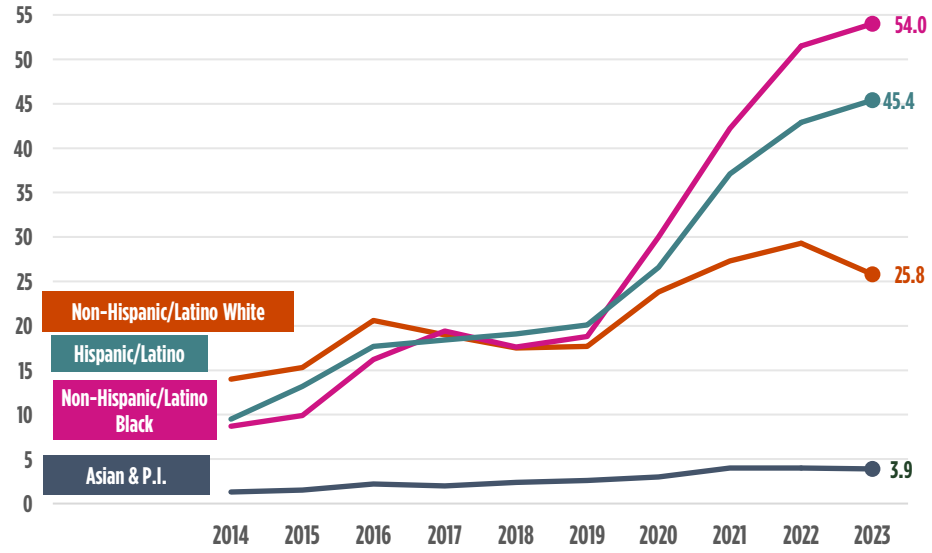
The age-adjusted drug-related death rate was 34.9 per 100,000 population in 2023, a 0.3% increase since 2022, and a 259.8% increase since 2014.

The age-adjusted drug-related death rate for males decreased to 55.1 per 100,000 population in 2023, a 3.2% decrease since 2022, and a 267.3% increase since 2014. The age-adjusted drug-related death rate for females increased to 16.3 per 100,000 population in 2023, a 13.2% increase since 2022 and a 232.7% increase since 2014.

DRUG-RELATED MORTALITY

Figure S2. Age-Adjusted Drug-related Death Rates by Racial/Ethnic Group, New York City, 2014-2023

Between 2014 and 2023, age-adjusted drug-related death rates increased by 520.7% among non-Hispanic/Latino Black people, by 377.9% among Hispanic/Latino people, by 84.3% among non-Hispanic/Latino white people, and by 200.0% among Asian and Pacific Islander people.

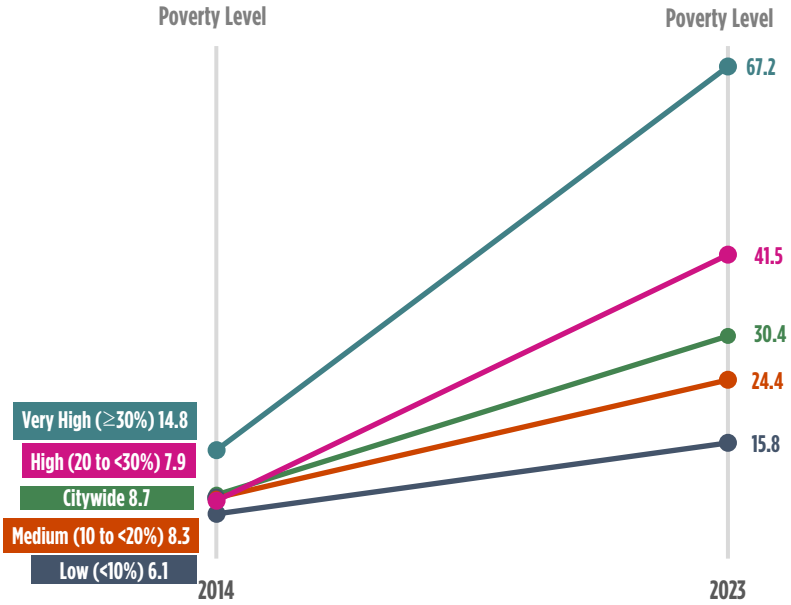


From 2022 to 2023, the drug-related death rate increased for non-Hispanic/Latino Black people and Hispanic/Latino people, while it slightly declined for non-Hispanic white people and Asian & Pacific Islander people.

In 2023, the drug-related death rate among non-Hispanic/Latino Black people was 2.1 times the rate for non-Hispanic/Latino white people, a change from 2022, in which the death rate for non-Hispanic/Latino Black people was 1.8 times the rate for non-Hispanic/Latino white people.

Figure S3. Age-Adjusted Drug-related Death Rates by Neighborhood Poverty*†, New York City, 2014 and 2023

Since 2014, age-adjusted drug-related death rates increased across all categories of neighborhood poverty. Over that period, the rate increased by 354.1% in very high poverty areas, by 425.3% in high poverty areas, by 194.0% in medium poverty areas, and by 159.0% in low poverty areas.



The age-adjusted drug-related death rate in areas with very high poverty was 4.3 times the rate in areas with low poverty in 2023. In 2014, the rate in areas with very high poverty was 2.4 times the rate of areas with low poverty.

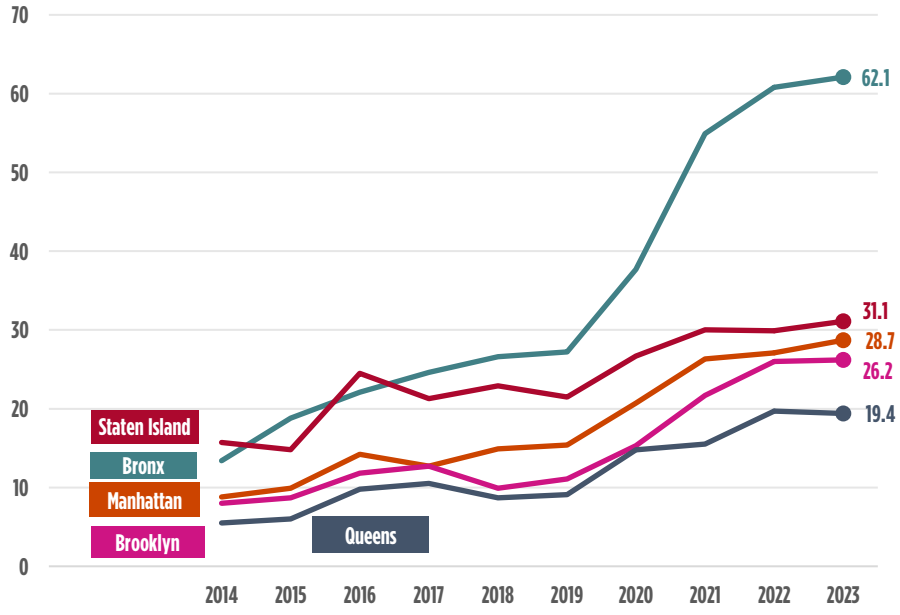
*Neighborhood poverty (based on mother's residential census tract) is defined as percent of residents with incomes below 100% of the Federal Poverty Level, per the American Community Survey (ACS) 2009-2013 for 2014 data and per ACS 2018-2022 for 2023 data.

†The citywide estimate is restricted to NYC residents.

DRUG-RELATED MORTALITY

Figure S4. Age-Adjusted Drug-related Death Rates by Borough of Residence, New York City, 2014-2023

Since 2014, age-adjusted drug-related death rates have increased across all boroughs.

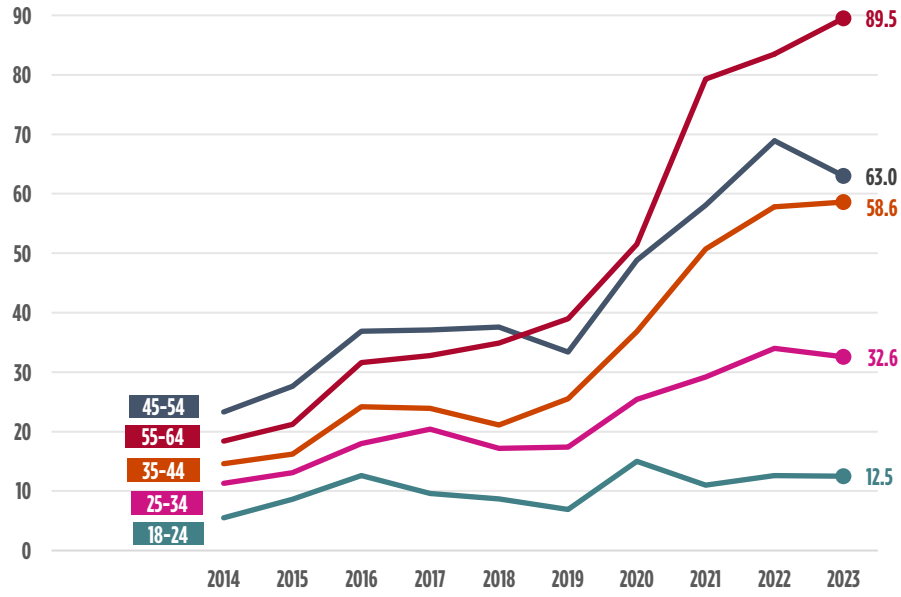


Over that period, age-adjusted drug-related death rates increased by 226.1% in Manhattan, by 363.4% in the Bronx, by 227.5% in Brooklyn, by 252.7% in Queens, and by 98.1% in Staten Island.

From 2014 to 2023, the Bronx and Staten Island have consistently had higher age-adjusted drug-related death rates, compared to the other three boroughs.

Figure S5. Age-Specific Drug-related Death Rates, Ages 18-64, New York City, 2014-2023

Between 2014 and 2023, age-specific drug-related death rates increased for all age groups.



Over that period, age-specific drug-related death rates increased by 127.3% for 18-24 year-olds, by 188.5% for 25-34 year-olds, by 301.4% for 35-44 year-olds, by 170.4% for 45-54 year-olds, and by 386.4% for 55-64 year-olds.

The drug-related death rate for 55-64 year-olds was higher than all other age groups.

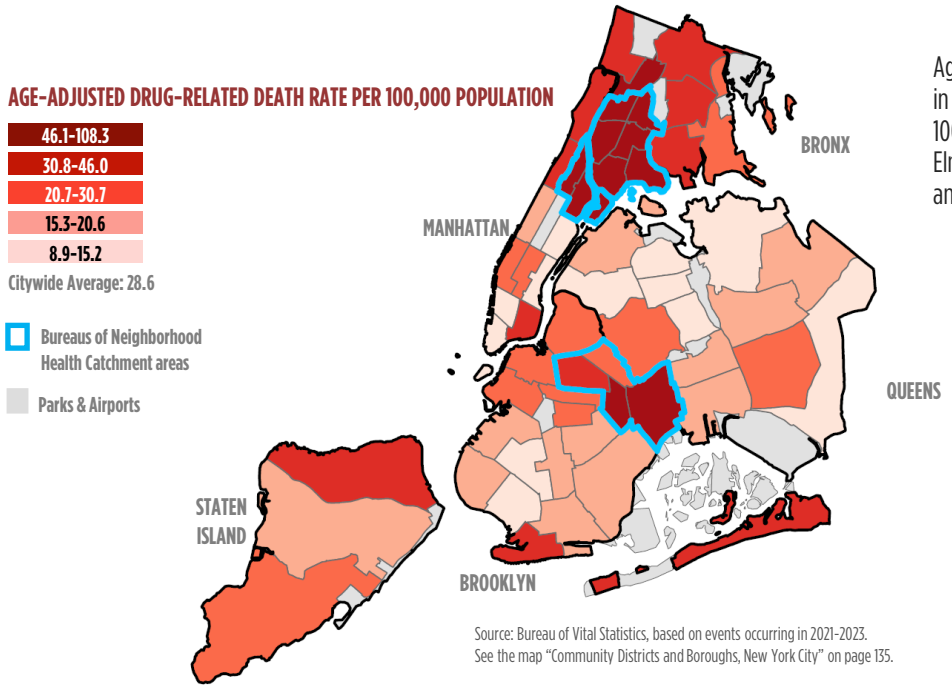
Additionally, 88.3% of drug-related deaths in 2023 were premature (i.e., among individuals under age 65).

DRUG-RELATED MORTALITY

Special Section

Figure S6. Age-Adjusted Drug-related Death Rates (Three-Year Averages) by Community District of Residence, New York City, 2021-2023

The three-year average age-adjusted drug-related death rate was highest in Morrisania with 108.3 deaths per 100,000 population, followed by East Tremont at 99.1, Hunts Point at 95.7, Mott Haven at 90.5, and Brownsville at 82.6.



Source: Bureau of Vital Statistics, based on events occurring in 2021-2023.
See the map "Community Districts and Boroughs, New York City" on page 135.

Age-adjusted drug-related death rates were lowest in Greenwich Village/SOHO at 8.9 deaths per 100,000 population, followed by Borough Park and Elmhurst/Corona at 9.9, Upper East Side at 10.5, and Sunnyside/Woodside at 11.0.

MANHATTAN	CD	Drug-Related Death Rate
East Harlem	MN11	62.9
Central Harlem	MN10	55.0
Lower East Side	MN03	34.2
Manhattanville	MN09	33.4
Washington Heights	MN12	33.4
Midtown Business District	MN05	29.7
Chelsea, Clinton	MN04	24.4
Upper West Side	MN07	19.5
Murray Hill	MN06	14.9
Battery Park, Tribeca	MN01	11.8
Upper East Side	MN08	10.5
Greenwich Village, SOHO	MN02	8.9

BRONX	CD	Drug-Related Death Rate
Morrisania	BX03	108.3
East Tremont	BX06	99.1
Hunts Point	BX02	95.7
Mott Haven	BX01	90.5
University, Morris Heights	BX05	76.7
Concourse, Highbridge	BX04	61.1
Fordham	BX07	60.9
Unionport, Soundview	BX09	45.3
Pelham Parkway	BX11	37.1
Williamsbridge	BX12	37.0
Riverdale	BX08	35.7
Throgs Neck	BX10	28.2

STATEN ISLAND	CD	Drug-Related Death Rate
Port Richmond	SI01	39.3
Tottenville	SI03	29.1
Willowbrook, South Beach	SI02	20.6

BROOKLYN	CD	Drug-Related Death Rate
Brownsville	BK16	82.6
East New York	BK05	48.7
Bedford Stuyvesant	BK03	40.7
Coney Island	BK13	40.1
Bushwick	BK04	30.7
Crown Heights North	BK08	29.1
Fort Greene, Brooklyn Heights	BK02	23.8
Williamsburg, Greenpoint	BK01	23.6
Park Slope	BK06	22.8
Crown Heights South	BK09	22.3
East Flatbush	BK17	20.5
Sheepshead Bay	BK15	18.7
Bay Ridge	BK10	16.1
Canarsie	BK18	16.1
Flatbush, Midwood	BK14	16.0
Sunset Park	BK07	15.7
Bensonhurst	BK11	14.4
Borough Park	BK12	9.9

QUEENS	CD	Drug-Related Death Rate
The Rockaways	QN14	46.0
Jamaica, St. Albans	QN12	28.0
Ridgewood, Glendale	QN05	22.6
Astoria, Long Island City	QN01	20.6
Howard Beach	QN10	19.2
Fresh Meadows, Briarwood	QN08	16.7
Woodhaven	QN09	15.4
Bayside	QN11	15.4
Jackson Heights	QN03	15.2
Queens Village	QN13	14.9
Flushing	QN07	14.3
Rego Park, Forest Hills	QN06	12.0
Sunnyside, Woodside	QN02	11.0
Elmhurst, Corona	QN04	9.9

POPULATION CHARACTERISTICS

Table PC1. Population, Live Births, Fertility Rates, Marriages, Deaths, and Infant Mortality, New York City, 1898-2023

		Live Births		Fertility Rates	Total Fertility Rates	Marriages†		Deaths		Infant Mortality	
Year	Population	Total Reported*	Rate per 1,000 Population	Per 1,000 Women Aged 15-44	Per 1,000 Women	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
1971-1975	7,652,200	115,941	15.1			67,737	8.9	82,113	10.7	2,313	19.9
1976-1980	7,236,000	108,058	14.9			56,010	7.7	74,867	10.3	1,875	17.4
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	1,918.4	58,291	7.3	60,839	7.6	839	6.7
2001‡	8,060,000	124,023	15.4	64.5	1,884.2	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	1,866.4	65,490	8.1	59,651	7.4	742	6.0
2003‡	8,068,000	124,345	15.4	65.1	1,890.5	61,101	7.6	59,213	7.3	807	6.5
2004‡	8,043,000	124,099	15.4	65.3	1,898.3	62,057	7.7	57,466	7.1	760	6.1
2005‡	8,013,000	122,725	15.3	65.0	1,890.7	66,348	8.3	57,068	7.1	732	6.0
2006‡	7,994,000	125,506	15.7	66.6	1,935.2	65,619	8.2	55,391	6.9	740	5.9
2007	8,014,000	128,961	16.1	68.4	1,976.3	66,483	8.3	54,073	6.7	697	5.4
2008	8,068,000	127,680	15.8	67.3	1,937.2	66,670	8.3	54,193	6.7	698	5.5
2009	8,132,000	126,774	15.6	66.5	1,902.0	65,542	8.1	52,881	6.5	668	5.3
2010	8,175,133	124,791	15.3	65.3	1,863.2	67,051	8.2	52,575	6.4	609	4.9
2011‡	8,338,000	123,029	14.8	63.7	1,835.1	71,401	8.6	52,789	6.3	577	4.7
2012‡	8,464,000	123,231	14.6	63.2	1,824.5	74,362	8.8	52,455	6.2	583	4.7
2013‡	8,566,000	120,457	14.1	61.5	1,768.7	77,678	9.1	53,409	6.2	551	4.6
2014‡	8,655,000	122,084	14.1	62.1	1,767.2	78,409	9.1	53,034	6.1	516	4.2
2015‡	8,737,000	121,673	13.9	61.8	1,753.9	77,777	8.9	54,120	6.2	526	4.3
2016‡	8,795,000	120,367	13.7	61.3	1,738.6	84,073	9.6	54,280	6.2	491	4.1
2017‡	8,815,000	117,013	13.3	59.9	1,688.8	82,866	9.4	54,319	6.2	500	4.3
2018‡	8,826,000	114,296	12.9	58.8	1,714.2	76,688	8.7	55,081	6.2	446	3.9
2019‡	8,825,000	110,442	12.5	57.1	1,678.5	73,827	8.4	54,559	6.2	464	4.2
2020	8,804,190	100,022	11.4	52.2	1,452.5	36,142	4.1	82,143	9.3	388	3.9
2021	8,467,513	99,262	11.7	55.2	1,543.3	41,642	4.9	63,551	7.5	400	4.0
2022	8,335,897	99,459	11.9	56.1	1,569.4	60,615	7.3	60,596	7.3	427	4.3
2023	8,258,035	98,389	11.9	56.0	1,569.5	70,244	8.5	55,459	6.7	414	4.2

*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/Latino Origin, and Sex, New York City, 2023

Age in Years	All			Hispanic/Latino			Non-Hisp./Latino White			Non-Hisp./Latino Black			Asian and Pacific Islander			Other or Multiple Races		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
All Ages	8,258,035	3,961,410	4,296,625	2,347,049	1,135,667	1,211,382	2,635,166	1,295,619	1,339,547	1,790,095	821,979	968,116	1,300,591	619,391	681,200	185,134	88,754	96,380
Under 5	445,051	226,923	218,128	147,818	74,978	72,840	132,406	67,724	64,682	89,045	44,905	44,140	58,036	30,261	27,775	17,746	9,055	8,691
5-9	460,000	235,021	224,979	150,788	76,619	74,169	126,385	64,928	61,457	91,954	46,279	45,675	71,341	37,180	34,161	19,532	10,015	9,517
10-14	455,705	233,993	221,712	159,640	81,900	77,740	118,375	60,904	57,471	98,793	50,216	48,577	62,252	32,438	29,814	16,645	8,535	8,110
15-19	447,351	226,444	220,907	157,389	80,091	77,298	119,476	60,421	59,055	99,528	49,910	49,618	57,615	29,415	28,200	13,343	6,607	6,736
20-24	494,499	238,524	255,975	160,425	80,138	80,287	141,314	66,668	74,646	107,239	51,101	56,138	71,874	34,176	37,698	13,647	6,441	7,206
25-29	662,501	315,683	346,818	176,859	86,288	90,571	233,391	110,234	123,157	129,256	62,012	67,244	105,721	49,053	56,668	17,274	8,096	9,178
30-34	701,447	347,965	353,482	189,056	96,388	92,668	235,848	118,241	117,607	145,913	71,684	74,229	114,779	53,969	60,810	15,851	7,683	8,168
35-39	608,121	302,732	305,389	168,622	86,475	82,147	201,606	102,760	98,846	123,491	59,488	64,003	102,637	48,412	54,225	11,765	5,597	6,168
40-44	536,885	262,897	273,988	156,206	78,067	78,139	166,846	85,660	81,186	113,143	52,754	60,389	91,250	42,056	49,194	9,440	4,360	5,080
45-49	492,638	236,658	255,980	143,996	69,860	74,136	147,637	75,608	72,029	106,950	48,369	58,581	85,923	39,250	46,673	8,132	3,571	4,561
50-54	508,944	244,897	264,047	144,480	69,751	74,729	152,499	78,903	73,596	115,283	51,632	63,651	88,571	40,905	47,666	8,111	3,706	4,405
55-59	512,455	245,368	267,087	142,543	66,783	75,760	150,605	78,437	72,168	126,404	56,295	70,109	84,969	40,118	44,851	7,934	3,735	4,199
60-64	502,133	237,237	264,896	128,311	58,487	69,824	156,107	79,388	76,719	126,248	55,698	70,550	83,968	40,219	43,749	7,499	3,445	4,054
65-69	444,785	204,254	240,531	105,039	46,149	58,890	151,393	73,282	78,111	105,355	44,983	60,372	76,640	36,878	39,762	6,358	2,962	3,396
70-74	361,899	159,279	202,620	81,233	33,930	47,303	138,120	63,534	74,586	79,271	32,157	47,114	58,750	27,632	31,118	4,525	2,026	2,499
75-79	268,345	112,335	156,010	59,170	23,587	35,583	111,234	49,034	62,200	56,979	20,960	36,019	37,840	17,443	20,397	3,122	1,311	1,811
80-84	175,119	68,475	106,644	39,377	14,501	24,876	72,237	30,154	42,083	38,283	12,875	25,408	23,262	10,131	13,131	1,960	814	1,146
85 & Over	180,157	62,725	117,432	36,097	11,675	24,422	79,687	29,739	49,948	36,960	10,661	26,299	25,163	9,855	15,308	2,250	795	1,455

Data Source: US Census Bureau, Census 2023 population estimates as of July 1, 2023, 2023 vintage.

Table PC3. Marriages, Births, Deaths, and Infant Deaths by Month and Average per Day, New York City, 2023

Months	Number				Average Per Day			
	Marriages*	Births	Deaths	Infant Deaths	Marriages	Births	Deaths	Infant Deaths
January	4,412	8,028	5,277	43	142	259	170	1.4
February	4,505	7,273	4,421	28	161	260	158	1.0
March	5,583	8,048	4,772	30	180	260	154	1.0
April	5,511	7,680	4,346	35	184	256	145	1.2
May	6,876	8,293	4,575	27	222	268	148	0.9
June	6,471	8,290	4,168	31	216	276	139	1.0
July	6,016	8,341	4,326	39	194	269	140	1.3
August	7,315	8,602	4,407	35	236	277	142	1.1
September	6,388	8,335	4,391	31	213	278	146	1.0
October	6,361	8,701	4,799	40	205	281	155	1.3
November	5,505	8,470	4,728	33	184	282	158	1.1
December	5,301	8,328	5,249	42	171	269	169	1.4
Total	70,244	98,389	55,459	414	192	270	152	1.1

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

PREGNANCY OUTCOMES

Table PO1. Live Births by Borough of Birth* and Institution, New York City, 2023

Borough and Institution	Births
Manhattan	
Bellevue Hospital Center	1,533
Harlem Hospital Center	704
Lenox Hill Hospital	3,765
Metropolitan Hospital Center	979
Mount Sinai Hospital	6,374
Mount Sinai West	5,011
New York-Presbyterian/Columbia University Medical Center	4,095
New York Weill Cornell Medical Center	7,739
New York-Presbyterian/Lower Manhattan Hospital	1,827
New York-Presbyterian/The Allen Hospital	2,075
NYU Langone - Tisch Hospital	5,249
Home†	97
Places other than a hospital or home‡	36
Bronx	
Bronxcare Health Systems	1,383
Jack D. Weiler Hospital	3,257
Jacobi Medical Center	1,799
Lincoln Medical and Mental Health Center	1,479
Montefiore Medical Center - Henry & Lucy Moses Division	3
Montefiore Medical Center - Wakefield Division	990
North Central Bronx Hospital	981
St' Barnabas Hospital	609
Home†	97
Places other than a hospital or home‡	15
Brooklyn	
Brookdale University Hospital and Medical Center	642
Brooklyn Birthing Center	92
Brooklyn Hospital Center	1,285
Interfaith Medical Center	1
Kings County Hospital Center	1,409
Maimonides Medical Center	5,716
New York-Presbyterian/Brooklyn Methodist Hospital	4,198
NYU Lutheran Medical Center	4,132
South Brooklyn Health/Coney Island Hospital	1,424
The Birthing Center of NY	1
University Hospital of Brooklyn	678
Woodhull Medical and Mental Health Center	1,339
Wyckoff Heights Medical Center	873
Home†	456
Places other than a hospital or home‡	51
Queens	
Elmhurst Hospital Center	2,621
Flushing Hospital Medical Center	2,473
Jamaica Hospital Medical Center	1,538
Long Island Jewish Forest Hills	1,970
Long Island Jewish Medical Center	7,288
Mount Sinai Queens	2
New York-Presbyterian/Queens Medical Center	2,302
Queens Hospital Center	1,382
St. John's Episcopal Health Services	425
Home†	123
Places other than a hospital or home‡	24
Staten Island	
Richmond University Medical Center	2,872
Staten Island University Hospital	2,940
Home†	28
Places other than a hospital or home‡	7
New York City Total	**98,389**

* Live births are presented by borough of birth beginning in 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.

PREGNANCY OUTCOMES

Table PO2. Live Births by Ancestry of Mother and Borough of Residence, New York City, 2023

Mother's Ancestry	Total	Borough of Residence						
		Manhattan	Bronx	Brooklyn	Queens	Staten Island	Non-Residents	Residence Unknown
Total	**98,389**	**13,227**	**14,983**	**32,270**	**20,419**	**4,786**	**12,701**	**3**
Hispanic/Latino								
Colombian	1,218	126	82	134	696	42	138	-
Cuban	218	50	29	51	33	14	41	-
Dominican	8,217	1,289	4,132	1,006	1,040	107	643	-
Ecuadorian	3,773	271	423	656	2,187	66	170	-
Mexican	4,212	463	991	1,166	1,098	350	144	-
Puerto Rican	3,908	465	1,499	800	524	292	328	-
Other Hispanic	8,035	1,118	1,722	1,850	2,222	316	807	-
North American and the Caribbean								
African-American	9,231	900	2,277	3,670	1,302	309	773	-
American	10,432	2,127	181	4,064	998	1,118	1,944	-
Guyanese	1,293	13	73	305	789	5	108	-
Haitian	1,078	54	35	617	218	15	139	-
Jamaican	1,244	35	265	416	362	7	159	-
Trinidadian	344	9	23	165	106	5	36	-
Other North American and the Caribbean	976	146	93	421	179	19	118	-
African								
Egyptian	414	23	10	116	142	83	40	-
Ghanaian	413	9	318	19	17	10	40	-
Nigerian	314	15	74	68	81	34	42	-
Other African	1,726	298	736	300	232	68	92	-
European								
English	890	296	19	269	84	5	217	-
German	309	101	9	84	30	10	75	-
Irish	870	222	14	214	118	54	248	-
Italian	1,760	274	32	342	218	405	489	-
Polish	447	63	6	139	139	25	75	-
Russian	803	133	5	391	103	71	100	-
Other European	3,186	497	209	1,313	482	294	391	-
Asian								
Asian Indian	1,589	272	31	163	585	30	508	-
Bangladeshi	2,589	37	536	512	1,375	12	117	-
Chinese	4,769	568	47	1,591	1,639	338	586	-
Filipino	592	60	38	90	264	31	109	-
Korean	560	171	6	118	131	5	129	-
Pakistani	1,253	64	64	499	307	110	209	-
Other Asian	5,571	686	412	2,307	1,357	327	482	-
Other								
Jewish or Hebrew	3,958	300	24	2,918	218	66	432	-
Other or not stated	12,197	2,072	568	5,496	1,143	143	2,772	3

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

PREGNANCY OUTCOMES

Table PO3. Live Births by Mother's Racial/Ethnic Group and Age, New York City, 2023

		Age of Mother (Years)						
	Total	<18	18-19	20-24	25-29	30-34	35-39	≥40
Total	**98,389**	**532**	**1,555**	**13,346**	**21,581**	**31,030**	**22,992**	**7,353**
Puerto Rican	3,908	52	121	754	1,038	1,097	656	190
Hispanic/Latino not of Puerto Rican ancestry	25,673	324	831	4,655	6,760	6,987	4,655	1,461
Asian and Pacific Islander	14,367	8	48	841	2,919	5,464	3,936	1,151
Non-Hispanic/Latino White	35,591	23	227	4,541	6,423	11,890	9,509	2,978
Non-Hispanic/Latino Black	16,402	117	305	2,276	3,890	4,830	3,609	1,375
Non-Hispanic/Latino Other	541	-	6	80	138	154	125	38
Non-Hispanic/Latino of two or more races	1,025	4	10	76	187	320	320	104
Not stated	882	4	7	123	226	288	178	56

Table PO4. Selected Characteristics of Live Births, Overall and by Mother's Age, New York City, 2023

		Age Group (Years)						
	Total	<18	18-19	20-24	25-29	30-34	35-39	≥40
Total Live Births	**98,389**	**532**	**1,555**	**13,346**	**21,581**	**31,030**	**22,992**	**7,353**
Sex								
Male	50,470	284	787	6,887	11,182	15,969	11,647	3,714
Female	47,919	248	768	6,459	10,399	15,061	11,345	3,639
First Live Birth								
Yes	42,116	491	1,384	8,306	9,327	12,930	7,505	2,173
No	56,130	40	170	5,008	12,212	18,072	15,456	5,172
Unknown	143	1	1	32	42	29	30	8
Pre-pregnancy Body Mass Index (BMI)								
Underweight (BMI<18.5)	4,009	49	120	831	922	1,163	728	196
Normal weight (18.5≤BMI<25)	46,593	292	808	6,597	9,518	14,946	11,101	3,331
Overweight (25≤BMI<30)	26,391	109	388	3,286	6,065	8,213	6,249	2,081
Obese (BMI≥30)	20,885	71	229	2,532	4,950	6,579	4,821	1,703
Unknown	511	11	10	100	126	129	93	42
Birthweight at Delivery (Grams)								
<1500	1,291	6	19	154	283	357	325	147
1500-2499	7,537	55	164	1,005	1,574	2,316	1,754	669
2500-3999	84,299	461	1,321	11,597	18,595	26,612	19,553	6,160
≥4000	5,247	10	51	588	1,124	1,742	1,356	376
Not Stated	15	-	-	2	5	3	4	1
Gestational Age (Weeks)*								
<32	1,351	7	20	164	294	383	333	150
32-36	7,931	58	132	880	1,566	2,501	2,008	786
≥37	89,091	466	1,403	12,301	19,715	28,143	20,647	6,416
Unknown	16	1	-	1	6	3	4	1
Plurality								
Single	95,450	527	1,537	13,087	20,982	30,024	22,242	7,051
Twin	2,872	5	18	259	575	994	732	289
Triplet	59	-	-	-	20	12	18	9
Quadruplet	8	-	-	-	4	-	-	4
Apgar Score at 5 Minutes								
≤6	956	10	15	117	219	294	217	84
7	999	2	18	127	190	297	239	126
8	5,822	32	59	686	1,079	1,811	1,546	609
9	89,788	485	1,455	12,295	19,883	28,389	20,816	6,465
10	597	1	5	83	153	176	127	52
Not Stated	227	2	3	38	57	63	47	17

Table continued on following page

Table PO4. Selected Characteristics of Live Births, Overall and by Mother's Age, New York City, 2023 [CONTINUED]

		Age Group (Years)						
	Total	<18	18-19	20-24	25-29	30-34	35-39	≥40
Total Live Births	**98,389**	**532**	**1,555**	**13,346**	**21,581**	**31,030**	**22,992**	**7,353**
Method of Delivery								
Vaginal	63,468	462	1,276	10,429	14,970	19,672	13,155	3,504
Vaginal after any prior C-section	2,779	4	8	241	641	893	737	255
Primary C-section	19,049	63	246	2,040	3,735	6,188	4,755	2,022
Low Risk†	10,372	35	172	1,351	2,179	3,315	2,380	940
Other	8,677	28	74	689	1,556	2,873	2,375	1,082
Repeat C-section	13,080	3	25	635	2,230	4,274	4,341	1,572
Unknown	13	-	-	1	5	3	4	-
Attendant								
Physician	88,942	422	1,297	11,365	19,110	28,535	21,340	6,873
Certified nurse midwife	8,960	106	250	1,906	2,327	2,366	1,555	450
Other	487	4	8	75	144	129	97	30
Primary Payer for this Birth‡								
Medicaid	56,377	473	1,374	11,114	15,823	15,170	9,349	3,074
Private	39,838	32	120	1,878	5,236	15,239	13,191	4,142
Self-pay	605	13	25	105	145	160	115	42
Other	1,314	13	23	189	318	401	293	77
Not Stated	255	1	13	60	59	60	44	18
First Visit for Prenatal Care								
First trimester (1-3 months)	68,627	171	738	7,918	14,258	22,904	17,352	5,286
Second trimester (4-6 months)	18,833	178	421	3,227	4,548	5,268	3,763	1,428
Third trimester (7-9 months)	6,992	112	268	1,433	1,762	1,836	1,186	395
No care	1,327	27	54	291	371	329	181	74
Not Stated	2,610	44	74	477	642	693	510	170
Marital Status§								
Not married	36,305	519	1,269	7,167	9,542	9,308	6,240	2,260
Married	62,084	13	286	6,179	12,039	21,722	16,752	5,093
Education Level								
11th grade or less/12th grade, no diploma	13,304	469	654	2,644	3,178	3,224	2,222	913
High school graduate or GED	24,211	53	717	6,125	6,709	5,747	3,641	1,219
Some college/associate degree	18,214	2	159	3,025	5,183	5,404	3,383	1,058
Bachelor's degree	22,340	-	2	1,077	4,128	8,746	6,529	1,858
Master's degree or higher	19,312	-	-	290	2,120	7,647	7,037	2,218
Not Stated	1,008	8	23	185	263	262	180	87
Birthplace‖								
United States, including its territories	50,296	306	796	7,721	10,567	15,982	11,478	3,446
Foreign-born	47,980	225	757	5,594	10,989	15,022	11,495	3,898
Not Stated	113	1	2	31	25	26	19	9

* See Technical Notes: Births, Gestational Age.
† Low Risk: Primiparous, Full-term, Singleton, and Vertex/Cephalic (head-first).
‡ 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 Racial/Ethnic Group, New York City, 2023

		Racial/Ethnic Group*							
	Total	Puerto Rican	Hispanic/ Latino not of Puerto Rican ancestry	Non-Hispanic/ Latino Asian & Pacific Islander	Non-Hispanic/ Latino White	Non-Hispanic/ Latino Black	Non-Hispanic/ Latino Other	Non-Hispanic/ Latino Two or More Races	Not Stated
Total Live Births	**98,389**	**3,908**	**25,673**	**14,367**	**35,591**	**16,402**	**541**	**1,025**	**882**
Sex									
Male	50,470	2,023	13,113	7,448	18,268	8,337	290	534	457
Female	47,919	1,885	12,560	6,919	17,323	8,065	251	491	425
First Live Birth									
Yes	42,116	16,89	10,319	7,061	15,216	6,704	236	550	341
No	56,130	2,217	15,349	7,306	20,274	9,681	304	475	524
Unknown	143	2	5	-	101	17	1	-	17
Pre-pregnancy Body Mass Index									
Underweight (BMI<18.5)	4,009	123	545	1,023	1,766	450	18	50	34
Normal weight (18.5≤BMI<25)	46,593	1,287	9,118	8,381	21,637	5,025	243	530	372
Overweight (25≤BMI<30)	26,391	994	8,697	3,442	7,651	4,955	155	255	242
Obese (BMI≥30)	20,885	1,497	7,165	1,504	4,411	5,812	121	189	186
Unknown	511	7	148	17	126	160	4	1	48
Birthweight at Delivery (Grams)									
<1500	1,291	66	336	144	245	461	9	16	14
1500-2499	7,537	399	1,795	1,324	1,967	1,838	58	86	70
2500-3999	84,299	3,276	22,203	12,484	30,892	1,3411	451	858	724
≥4000	5,247	167	1,339	415	2,487	691	23	65	60
Not stated	15	-	-	-	-	1	-	-	14
Gestational Age (Weeks)†									
<32	1,351	72	355	145	275	461	9	17	17
32-36	7,931	424	2,130	1,152	2,259	1,770	50	82	64
≥37	89,091	3,412	23,188	13,070	33,056	14,169	482	926	788
Unknown	16	-	-	-	1	2	-	-	13
Plurality									
Single	95,450	3,777	25,065	13,993	34,482	15,761	518	989	865
Twin	2,872	125	594	368	1,090	619	23	36	17
Triplet	59	6	14	6	15	18	-	-	-
Quadruplet	8	-	-	-	4	4	-	-	-
Apgar Score at 5 Minutes									
≤6	956	51	228	98	277	278	4	8	12
7	999	49	234	119	282	282	7	15	11
8	5,822	267	1,371	791	1,929	1,298	45	68	53
9	89,788	3,510	23,598	13,304	32,811	14,382	482	914	787
10	597	22	184	44	249	78	1	17	2
Not stated	227	9	58	11	43	84	2	3	17
Method of Delivery									
Vaginal	63,468	2,356	15,977	8,944	25,117	9,497	344	648	585
Vaginal after any prior C-section	2,779	108	748	322	1,083	439	23	23	33
Primary C-section	19,049	876	4,774	3,051	5,979	3,871	117	236	145
Low Risk‡	10,372	475	2,538	1,808	3,332	1,940	56	147	76
Other	8,677	401	2,236	1,243	2,647	1,931	61	89	69
Repeat C-section	13,080	568	4,174	2,050	3,412	2,595	57	118	106
Unknown	13	-	-	-	-	-	-	-	13

Table continued on following page

Table PO5. Selected Characteristics of Live Births by Mother's Racial/Ethnic Group, New York City, 2023 [CONTINUED]

		Racial/Ethnic Group*							
	Total	Puerto Rican	Hispanic/ Latino not of Puerto Rican ancestry	Non-Hispanic/ Latino Asian & Pacific Islander	Non-Hispanic/ Latino White	Non-Hispanic/ Latino Black	Non-Hispanic/ Latino Other	Non-Hispanic/ Latino Two or More Races	Not Stated
Attendant									
Physician	88,942	3,502	22,773	13,780	32,018	14,628	499	944	798
Certified nurse midwife	8,960	384	2,774	555	3,433	1,634	40	74	66
Other	487	22	126	32	140	140	2	7	18
Primary Payer for this Birth§									
Medicaid	56,377	2,604	19,951	7,323	14,264	11,073	324	313	525
Private	39,838	1,210	5,140	67,59	20,668	4,866	202	684	309
Self-pay	605	29	181	83	131	162	5	9	5
Other	1,314	49	314	194	473	232	8	17	27
Not stated	255	16	87	8	55	69	2	2	16
First Visit for Prenatal Care									
First trimester (1-3 months)	68,627	26,74	15,912	10,965	27,671	9,720	361	801	523
Second trimester (4-6 months)	18,833	841	6,161	2,291	5,172	3,933	103	146	186
Third trimester (7-9 months)	6,992	203	2,388	814	1,637	1,780	43	52	75
No care	1,327	84	452	119	288	333	9	6	36
Not stated	2,610	106	760	178	823	636	25	20	62
Marital Status‖									
Not married	36,305	2,858	16,013	2,020	3,934	10,707	181	312	280
Married	62,084	1,050	9,660	12,347	31,657	5,695	360	713	602
Education Level									
11th grade or less/12th grade, no diploma	13,304	653	6,420	1,658	2,338	2,051	51	54	79
High school graduate or GED	24,211	1,162	7,491	2,469	7,839	4,808	157	138	147
Some college/associate degree	18,214	1,235	5,942	2,092	3,886	4,633	127	183	116
Bachelor's degree	22,340	527	3,628	4,287	10,338	2,943	118	335	164
Master's degree or higher	19,312	320	1,900	3,807	10,921	1,838	77	313	136
Not stated	1,008	11	292	54	269	129	11	2	240
Birthplace¶									
United States, including territories	50,296	3,892	8,134	2,473	25,287	9,100	243	741	426
Foreign-born	47,980	14	17,505	11,891	10,287	7,285	298	283	417
Not stated	113	2	34	3	17	17	-	1	39

* See Technical Notes: Demographic Characteristics of Vital Events, Race, Ancestry and Ethnic Group.
† See Technical Notes: Births, Gestational Age.
‡ Low Risk: Primiparous, Full-term, Singleton, and Vertex/Cephalic (head-first).
§ See Technical Notes: Births, Birth Reporting.
‖ See Technical Notes: Mother's Marital Status.
¶ See Technical Notes: Geographical Units, Birthplace Presentation.

PREGNANCY OUTCOMES

Table PO6. Live Births by Selected Characteristics and Mother's Ancestry, New York City, 2023

		Percent of Total Live Births with Specified Characteristics									
Mother's Ancestry	Live Births	Foreign-Born*	First Live Birth	Low Birth Weight (<2,500 Grams)	Preterm Birth (<37 Weeks)†	Late or No Prenatal Care	Not Married	On Medicaid‡	Pre-pregnancy Obesity	Teen-aged (<20 Years)	Exclusive Breast Feeding
Total	**98,389**	**48.8**	**42.9**	**9.0**	**9.4**	**8.7**	**36.9**	**57.4**	**21.3**	**2.1**	**37.7**
Hispanic/Latino											
Colombian	1,218	78.7	51.9	7.6	7.8	12.0	53.7	66.1	18.3	2.1	47.7
Cuban	218	16.1	60.1	8.3	8.7	8.1	39.4	32.1	17.9	0.0	45.9
Dominican	8,217	72.1	41.3	9.3	10.4	11.0	62.5	78.5	29.4	3.6	26.4
Ecuadorian	3,773	87.6	34.7	6.1	8.2	14.8	59.2	86.1	21.8	5.4	41.6
Mexican	4,212	62.8	35.8	7.4	9.4	8.4	64.2	84.2	32.1	5.0	35.6
Puerto Rican	3,908	0.4	43.2	11.9	12.7	7.5	73.1	66.9	38.4	4.4	30.4
Other Hispanic/Latino	8,035	58.0	41.6	8.9	10.1	11.8	64.7	73.4	29.3	5.2	35.6
North America and the Caribbean											
African-American	9,231	18.2	42.2	15.0	14.4	9.8	75.0	67.2	37.8	3.5	31.1
American	10,432	4.2	45.0	6.8	7.9	2.4	13.8	29.8	13.3	0.5	44.4
Guyanese	1,293	88.2	47.0	17.0	14.2	16.1	44.6	68.4	25.5	1.8	32.9
Haitian	1,078	84.3	41.0	12.9	12.2	12.8	48.2	67.4	32.3	0.9	28.1
Jamaican	1,244	92.1	41.9	15.1	14.4	21.1	67.9	71.9	36.1	2.4	33.2
Trinidadian	344	86.0	43.3	17.7	16.3	19.3	52.9	62.2	34.4	1.5	39.5
Other North America and the Caribbean	976	86.1	50.4	9.5	9.5	17.9	42.4	49.9	24.8	0.5	43.4
African											
Egyptian	414	89.6	36.5	8.5	10.1	19.5	2.4	72.2	27.8	0.2	41.4
Ghanaian	413	96.9	33.2	11.6	12.3	22.3	42.9	80.1	36.7	0.0	35.1
Nigerian	314	88.5	36.3	9.2	10.2	14.1	36.9	59.6	34.5	1.0	37.6
Other African	1,726	97.0	30.6	11.1	10.0	22.2	28.2	79.4	23.6	0.6	42.7
European											
English	890	24.8	55.6	9.8	10.7	5.8	11.6	9.1	10.6	0.1	56.4
German	309	27.8	64.7	2.9	4.2	3.3	13.3	10.4	8.4	0.0	62.0
Irish	870	10.2	60.8	6.3	7.7	2.6	9.4	4.9	14.1	0.0	54.7
Italian	1,760	9.3	55.9	6.5	8.4	2.7	15.3	11.4	18.5	0.5	46.1
Polish	447	57.7	50.8	8.7	10.1	2.5	15.7	26.4	8.9	0.0	49.2
Russian	803	85.9	48.8	3.9	3.7	10.4	22.0	44.1	8.2	0.4	52.9
Other European	3,186	76.2	50.9	5.3	6.4	8.4	19.5	41.7	10.4	0.5	51.0
Asian											
Asian Indian	1,589	75.6	54.7	13.0	11.5	5.9	7.6	32.0	13.8	0.4	41.7
Bangladeshi	2,589	96.1	38.5	13.2	9.4	8.1	3.2	78.6	15.0	0.3	29.0
Chinese	4,769	83.2	50.7	6.8	6.9	4.5	21.6	51.1	4.0	0.1	25.8
Filipino	592	74.7	55.6	12.0	14.7	6.7	18.8	27.7	13.2	0.3	45.6
Korean	560	64.1	62.1	4.8	3.8	4.5	8.2	9.7	3.6	0.2	45.0
Pakistani	1,253	87.0	37.2	10.9	10.1	9.3	3.3	70.2	18.9	0.4	28.2
Other Asian	5,571	87.3	40.7	7.6	7.3	11.5	11.7	61.6	11.4	2.1	38.4
Other											
Jewish or Hebrew	3,958	11.0	28.9	5.7	6.3	4.8	4.9	65.2	13.1	0.7	38.9
Other or Not Stated	12,197	20.7	42.1	7.2	7.9	5.8	17.3	40.6	15.3	0.8	43.2

Note: See Technical Notes: Demographic Characteristics of Vital Events: Race, Ancestry, and Ethnic Group.
* Beginning in 2006, US Virgin Islands and Guam are not included in the Foreign-born category.
† Clinical gestational age <37 completed weeks.
‡ Due to revision of the birth certificate, since 2021 "On Medicaid" excludes 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, 2023

Community District of Residence	Live Births	Rate*	Percent of Total Live Births With Specified Characteristics							
			Foreign-Born†	First Live Birth	Low Birth-weight (<2,500 Grams)	Preterm Birth (<37 weeks)‡	Late or No Prenatal Care	On Medicaid§	Pre-pregnancy Obesity	Exclusive Breast Feeding
NEW YORK CITY	**98,389**	**11.9**	**48.8**	**42.9**	**9.0**	**9.4**	**8.7**	**57.4**	**21.3**	**37.7**
MANHATTAN	**13,158**	**8.3**	**40.3**	**53.6**	**8.2**	**8.6**	**7.7**	**32.0**	**15.0**	**49.3**
Battery Park, Tribeca (01)	731	12.2	36.1	56.5	5.3	5.7	2.5	5.5	2.7	56.5
Greenwich Village, SOHO (02)	546	6.3	31.7	61.7	6.8	7.5	1.5	4.6	3.5	59.5
Lower East Side (03)	708	4.2	36.7	50.1	9.9	12.3	6.8	46.8	20.8	46.7
Chelsea, Clinton (04)	846	6.0	49.3	57.3	8.0	7.7	9.1	26.9	11.1	53.6
Midtown Business District (05)	784	13.2	68.8	49.7	5.7	7.5	27.2	52.0	12.3	54.3
Murray Hill (06)	935	6.8	40.1	62.7	6.6	5.8	5.0	7.6	8.0	55.1
Upper West Side (07)	1,875	9.1	32.5	57.4	6.7	7.1	3.6	11.9	8.7	52.5
Upper East Side (08)	2,190	10.1	28.7	58.6	6.8	8.0	2.0	5.4	5.1	55.1
Manhattanville (09)	765	7.4	43.8	48.2	9.2	9.3	11.5	58.1	25.8	41.7
Central Harlem (10)	1,100	9.9	39.0	46.3	12.1	11.4	12.3	56.4	29.3	50.1
East Harlem (11)	1,115	9.6	37.3	47.3	10.9	10.5	10.4	61.6	30.3	35.5
Washington Heights (12)	1,563	8.7	54.6	46.2	10.1	10.4	10.3	65.5	25.3	36.5
BRONX	**15,046**	**11.0**	**58.2**	**37.8**	**11.0**	**11.1**	**13.8**	**82.4**	**32.4**	**26.9**
Mott Haven (01)	1,162	12.7	45.2	40.2	11.8	12.4	17.2	84.2	37.6	34.4
Hunts Point (02)	570	11.0	53.3	36.2	7.5	8.4	18.5	85.5	37.6	29.0
Morrisania (03)	1,024	12.1	49.5	33.7	10.5	10.7	15.8	87.7	36.6	29.8
Concourse, Highbridge (04)	1,727	11.9	62.2	36.1	11.1	11.7	14.4	85.0	34.6	28.6
University/Morris Heights (05)	1,516	12.1	64.4	34.0	11.4	10.9	16.0	88.8	32.3	20.2
East Tremont (06)	1,052	13.1	50.2	33.9	11.0	10.6	12.5	88.6	33.6	23.6
Fordham (07)	1,672	12.2	67.5	40.4	9.8	9.3	12.1	84.3	29.9	23.7
Riverdale (08)	844	8.7	47.9	44.7	10.0	10.9	8.2	53.1	24.0	33.0
Unionport, Soundview (09)	2,052	11.7	62.4	38.1	12.4	11.6	12.4	83.5	31.9	24.9
Throgs Neck (10)	947	8.2	58.6	41.0	10.8	10.7	10.0	74.5	29.3	27.6
Pelham Parkway (11)	1,127	10.3	63.7	37.0	9.6	10.3	14.4	79.1	27.5	27.7
Williamsbridge (12)	1,353	9.1	55.9	39.1	13.2	13.5	15.6	82.5	34.2	27.5
BROOKLYN	**32,270**	**12.6**	**42.1**	**39.6**	**7.8**	**8.3**	**8.3**	**63.5**	**19.2**	**37.0**
Williamsburg, Greenpoint (01)	3,313	16.9	15.4	38.2	5.2	5.7	6.1	58.6	12.4	41.7
Fort Greene, Brooklyn Heights (02)	1,554	11.8	29.0	59.7	7.7	7.5	2.2	14.0	8.3	54.3
Bedford Stuyvesant (03)	2,177	15.3	21.6	37.6	7.5	8.0	7.5	66.6	20.6	36.7
Bushwick (04)	982	9.3	52.8	43.6	8.7	10.9	10.0	72.1	25.0	37.0
East New York (05)	2,085	12.4	55.4	37.3	11.6	12.3	10.5	80.5	32.2	31.8
Park Slope (06)	1,261	11.6	24.4	55.1	6.0	8.0	3.4	14.3	10.3	58.2
Sunset Park (07)	1,320	10.3	62.9	45.1	7.2	7.6	6.9	66.3	17.0	32.8
Crown Heights North (08)	948	10.3	32.5	54.4	9.6	8.7	9.0	43.3	21.7	45.8
Crown Heights South (09)	1,143	12.2	41.5	43.0	7.8	8.7	8.5	62.5	20.2	47.5
Bay Ridge (10)	1,311	9.2	61.4	43.6	8.2	7.6	8.8	63.7	17.2	35.7
Bensonhurst (11)	2,143	10.4	77.4	40.7	7.5	9.1	10.8	77.1	18.5	31.0
Borough Park (12)	4,796	24.1	22.9	25.8	5.1	5.4	4.9	79.0	13.9	32.6
Coney Island (13)	984	9.2	65.7	40.4	9.7	11.5	14.0	74.3	19.5	38.0
Flatbush, Midwood (14)	2,064	12.9	51.5	38.4	7.7	8.4	9.3	60.6	20.3	35.3
Sheepshead Bay (15)	2,045	11.7	57.9	34.5	7.2	7.2	9.8	61.6	15.2	37.2
Brownsville (16)	957	12.3	37.1	39.5	12.0	12.7	15.9	78.9	34.4	25.8
East Flatbush (17)	1,467	10.2	58.5	43.1	11.3	11.0	13.1	69.8	33.1	29.0
Canarsie (18)	1,720	9.4	50.9	40.3	10.3	10.5	10.7	60.3	28.8	29.8
QUEENS	**20,419**	**9.0**	**68.3**	**44.6**	**9.5**	**9.6**	**9.6**	**65.2**	**22.2**	**39.0**
Astoria, Long Island City (01)	1,703	9.2	52.8	54.1	8.7	10.2	11.1	47.2	20.7	45.1
Sunnyside, Woodside (02)	1,359	9.2	63.4	53.9	8.2	7.7	7.3	41.5	15.2	47.6
Jackson Heights (03)	1,917	11.2	77.3	40.9	7.5	8.6	12.4	78.4	24.8	39.9
Elmhurst, Corona (04)	1,800	9.9	85.4	41.3	8.3	7.6	10.6	82.2	21.1	37.3
Ridgewood, Glendale (05)	1,510	9.8	62.0	45.0	5.7	8.1	7.4	63.4	20.1	41.4
Rego Park, Forest Hills (06)	1,050	9.5	61.0	51.0	6.9	8.3	4.3	42.0	13.9	45.0
Flushing (07)	1,744	6.7	81.3	46.3	7.3	8.6	7.5	73.7	15.2	27.7
Fresh Meadows, Briarwood (08)	1,353	9.0	65.6	41.4	9.5	9.1	8.2	62.6	19.7	38.8
Woodhaven (09)	1,559	11.0	74.3	44.2	10.9	10.5	8.7	74.1	22.7	40.3
Howard Beach (10)	1,172	9.7	68.9	44.2	13.7	11.9	10.3	63.5	23.5	38.4
Bayside (11)	506	4.4	70.8	42.1	7.5	8.7	4.6	56.9	12.9	33.0
Jamaica, St. Albans (12)	2,550	11.4	70.2	40.6	13.1	11.6	14.2	72.8	30.7	40.1
Queens Village (13)	1,257	6.7	65.6	44.2	12.3	11.2	9.5	62.1	30.0	36.6
The Rockaways (14)	939	8.7	36.3	35.9	11.8	13.1	8.6	66.2	30.3	29.8
STATEN ISLAND	**4,782**	**9.8**	**40.3**	**40.6**	**8.3**	**9.0**	**2.9**	**48.9**	**22.2**	**27.3**
Port Richmond (01)	1,961	10.3	41.5	40.7	10.5	11.1	3.0	59.7	25.2	26.0
Willowbrook, South Beach (02)	1,337	9.4	48.8	38.5	7.4	8.6	3.8	51.8	19.1	28.8
Tottenville (03)	1,484	9.5	31.0	42.4	6.3	6.7	2.0	32.1	21.0	27.4
NEW YORK CITY RESIDENTS	**85,679**	**10.4**	**50.8**	**42.7**	**8.8**	**9.2**	**9.2**	**61.6**	**21.8**	**37.1**
NON-RESIDENTS	**12,701**	**-**	**35.7**	**44.0**	**9.9**	**11.1**	**5.4**	**29.5**	**18.3**	**41.8**
RESIDENCE UNKNOWN	**9**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

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 2023

		Borough of Residence						
Birthplace	Total	Manhattan	Bronx	Brooklyn	Queens	Staten Island	Non-Residents	Residence Unknown
United States	50,299	7,882	6,248	18,677	6,474	2,857	8,161	-
United States (excluding Puerto Rico)	49,830	7,823	6,026	18,595	6,418	2,840	8,128	-
Puerto Rico	469	59	222	82	56	17	33	-
Dominican Republic	6,080	877	3,254	734	744	64	407	-
China	3,915	401	37	1,245	1,458	290	484	-
Ecuador	3,350	241	383	591	1,960	43	132	-
Mexico	2,718	297	711	718	684	229	79	-
Bangladesh	2,581	38	551	511	1,363	12	106	-
Jamaica	1,642	42	343	568	475	8	206	-
Guyana	1,422	19	75	400	825	7	96	-
Uzbekistan	1,327	16	3	945	265	58	40	-
India	1,212	158	18	91	506	25	414	-
Guatemala	1,204	21	188	475	430	37	53	-
Yemen	1,094	77	302	444	175	59	37	-
Pakistan	1,086	41	57	437	281	96	174	-
Haiti	1,069	47	28	640	207	13	134	-
Colombia	990	98	74	111	569	34	104	-
Honduras	848	56	340	171	195	36	50	-
Venezuela	826	264	87	141	267	24	43	-
Russia	720	115	3	379	78	64	81	-
Israel	651	114	3	327	70	26	111	-
Ukraine	630	48	6	370	70	69	67	-
Canada	572	148	7	251	55	13	98	-
El Salvador	548	25	53	101	276	8	85	-
Ghana	545	11	431	18	17	12	56	-
Phillippines	483	42	37	64	239	22	79	-
Other or Not Stated	12,577	2,149	1,744	3,861	2,736	680	1,404	3
Total	**98,389**	**13,227**	**14,983**	**32,270**	**20,419**	**4,786**	**12,701**	**3**

Table PO9. Live Births by Mother's Birthplace and Age, New York City, 2023

		Age Group (Years)						
Birthplace	Total	<20	20-24	25-29	30-34	35-39	≥40	Not Stated
United States	50,299	1,102	7,721	10,569	15,983	11,478	3,446	-
United States (excluding Puerto Rico)	49,830	1,083	7,649	10,450	15,849	11,393	3,406	-
Puerto Rico	469	19	72	119	134	85	40	-
Dominican Republic	6,080	209	1,047	1,577	1,796	1,084	367	-
China	3,915	2	118	717	1,698	1,121	259	-
Ecuador	3,350	159	682	903	823	560	223	-
Mexico	2,718	77	360	570	742	716	253	-
Bangladesh	2,581	7	309	870	872	425	98	-
Jamaica	1,642	37	215	385	436	402	167	-
Guyana	1,422	28	191	381	442	288	92	-
Uzbekistan	1,327	42	284	404	323	232	42	-
India	1,212	5	50	212	485	367	93	-
Guatemala	1,204	99	267	336	288	172	42	-
Yemen	1,094	56	280	287	277	144	50	-
Pakistan	1,086	3	102	326	378	230	47	-
Haiti	1,069	8	59	212	348	295	147	-
Colombia	990	21	120	273	276	232	68	-
Honduras	848	58	190	197	217	147	39	-
Venezuela	826	55	204	225	186	128	28	
Russia	720	1	28	114	223	283	71	-
Israel	651	1	86	142	172	185	65	-
Ukraine	630	2	35	132	218	189	54	-
Canada	572	1	45	90	173	196	67	-
El Salvador	548	29	88	168	136	96	31	-
Ghana	545	-	22	99	208	156	60	-
Phillippines	483	1	10	70	154	163	85	-
Other or Not Stated	12,577	84	833	2,322	4,176	3,703	1,459	-
Total	**98,389**	**2,087**	**13,346**	**21,581**	**31,030**	**22,992**	**7,353**	**-**

Table PO10. Live Births and Pregnancy Rates* to Teenagers (Age 15-19 Years) by Racial/Ethnic Group and Borough of Residence, New York City, 2023

	Age Group (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	532	39	1,288	1,859	126,996	4.2	14.6
	18-19	1,555	88	2,578	4,221	93,911	16.6	44.9
	15-19	2,087	127	3,866	6,080	220,907	9.4	27.5
Racial/Ethnic Group‡								
Hispanic/Latino	15-17	376	19	498	893	45,163	8.3	19.8
	18-19	952	35	1,007	1,994	32,135	29.6	62.1
	15-19	1,328	54	1,505	2,887	77,298	17.2	37.3
Asian and Pacific Islander	15-17	8	2	27	37	15,868	0.5	2.3
	18-19	48	-	73	121	12,332	3.9	9.8
	15-19	56	2	100	158	28,200	2.0	5.6
Non-Hisp./Lat. White	15-17	23	-	59	82	33,218	0.7	2.5
	18-19	227	6	136	369	25,837	8.8	14.3
	15-19	250	6	195	451	59,055	4.2	7.6
Non-Hisp./Lat. Black	15-17	117	13	392	522	28,989	4.0	18.0
	18-19	305	23	843	1,171	20,629	14.8	56.8
	15-19	422	36	1,235	1,693	49,618	8.5	34.1
Racial/Ethnic Group§								
Hispanic/Latino	15-17	365	19	463	847	45,163	8.1	18.8
	18-19	923	33	909	1,865	32,135	28.7	58.0
	15-19	1,288	52	1,372	2,712	77,298	16.7	35.1
Asian and Pacific Islander	15-17	8	2	24	34	15,868	0.5	2.1
	18-19	47	-	63	110	12,332	3.8	8.9
	15-19	55	2	87	144	28,200	2.0	5.1
Non-Hisp./Lat. White	15-17	23	-	40	63	33,218	0.7	1.9
	18-19	184	3	100	287	25,837	7.1	11.1
	15-19	207	3	140	350	59,055	3.5	5.9
Non-Hisp./Lat. Black	15-17	116	11	351	478	28,989	4.0	16.5
	18-19	296	19	757	1,072	20,629	14.3	52.0
	15-19	412	30	1,108	1,550	49,618	8.3	31.2
Borough of Residence								
Manhattan	15-17	52	3	165	220	17,111	3.0	12.9
	18-19	175	12	294	481	20,027	8.7	24.0
	15-19	227	15	459	701	37,138	6.1	18.9
Bronx	15-17	166	11	321	498	25,929	6.4	19.2
	18-19	395	20	648	1,063	18,364	21.5	57.9
	15-19	561	31	969	1,561	44,293	12.7	35.2
Brooklyn	15-17	162	13	325	500	41,446	3.9	12.1
	18-19	456	13	728	1,197	26,963	16.9	44.4
	15-19	618	26	1,053	1,697	68,409	9.0	24.8
Queens	15-17	110	9	283	402	33,379	3.3	12.0
	18-19	381	30	522	933	22,809	16.7	40.9
	15-19	491	39	805	1,335	56,188	8.7	23.8
Staten Island	15-17	29	1	56	86	9,131	3.2	9.4
	18-19	65	1	90	156	5,748	11.3	27.1
	15-19	94	2	146	242	14,879	6.3	16.3
NYC Events to NYC Residents	15-17	519	37	1,150	1,706	126,996	4.1	13.4
	18-19	1,472	76	2,282	3,830	93,911	15.7	40.8
	15-19	1,991	113	3,432	5,536	220,907	9.0	25.1
NYC Events to Non-NYC Residents	15-17	13	2	138	153	-	N.A.	N.A.
	18-19	83	12	296	391	-	N.A.	N.A.
	15-19	96	14	434	544	-	N.A.	N.A.

*Population data used to calculate rates are 2023 estimates from the US Census Bureau. 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 race and ethnicity are not presented.
§ Numbers and rates are limited to events occurring in NYC to NYC residents only; other/unknown race and ethnicity are not presented.
N.A. Not applicable.

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Table PO11. Live Births to Teenagers (Age <20 Years), Overall and by Selected Characteristics, New York City, 2019-2023

	2019	2020	2021	2022	2023
Total Live Births	**110,442**	**100,022**	**99,262**	**99,459**	**98,389**
Percent to Teenagers (Age <20)	2.4	2.3	2.1	2.0	2.1
Population* (Females Age 15-19)	218,164	233,966	227,558	221,689	220,907
Birth Rate† (Age 15-19)	12.3	9.6	9.4	9.1	9.4
Births to Teenagers	2,676	2,256	2,131	2,026	2,087
Percent of Births with Specified Characteristics:					
Hispanic/Latino	59.1	59.2	62.2	63	66.5
Foreign-born‡	35.2	34.0	36.7	38.1	47.1
First Live Birth	88.5	89.1	88.8	90.0	89.9
<2,500 grams	10.1	11.2	10.4	10.8	11.7
Preterm§	10.4	10.0	11.1	10.0	10.4
Prenatal Care in First or Second Trimester of Pregnancy	82.6	84.7	82.5	81.0	76.6
Not Married	86.1	85.5	87.9	83.7	85.7
On Medicaid‖	89.2	87.9	89.1	89.0	89.1
Pre-pregnancy Obesity	15.7	15.7	16.4	15.4	14.5
Infant Mortality Rate¶	**4.2**	**3.9**	**7.5**	**6.4**	**4.2**

* For denominator information, see Technical Notes: Population.
† Births to women age <20 years per 1,000 female population ages 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.

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Table PO12. Live Births to Teenagers (Age<20 Years) by Selected Characteristics by Community District of Residence, New York City, 2021-2023*

Community District of Residence	Live Births	Percent of Total Live Births	Foreign Born	First Live Birth	Low Birth Weight (<2,500 Grams)	Preterm Birth (<37 Weeks)	Late or No Prenatal Care	Not Married	On Medicaid†	Exclusive Breast Feeding
NEW YORK CITY	**6,244**	**2.1**	**40.6**	**89.6**	**11.0**	**10.5**	**19.9**	**85.8**	**88.8**	**28.3**
MANHATTAN	**587**	**1.5**	**38.5**	**89.8**	**10.4**	**9.4**	**24.1**	**91.3**	**85.5**	**30.4**
Battery Park, Tribeca (01)	6	0.3	83.3	66.7	0.0	0.0	33.3	83.3	100.0	50.0
Greenwich Village, SoHo (02)	1	0.1	0.0	100.0	0.0	0.0	0.0	100.0	100.0	0.0
Lower East Side (03)	44	1.9	9.1	93.2	11.4	6.8	8.8	95.5	88.6	36.4
Chelsea, Clinton (04)	27	1.1	25.9	92.6	14.8	11.1	34.8	81.5	81.5	29.6
Midtown Business District (05)	51	3.0	84.3	78.4	11.8	13.7	61.0	88.2	91.5	49.0
Murray Hill (06)	7	0.2	14.3	100.0	28.6	28.6	28.6	100.0	85.7	71.4
Upper West Side (07)	30	0.5	27.6	90.0	10.0	13.3	8.3	96.7	90.0	20.0
Upper East Side (08)	10	0.2	40.0	77.8	30.0	0.0	44.4	80.0	88.9	22.2
Manhattanville (09)	80	3.4	38.8	93.8	7.5	7.5	32.9	83.8	88.6	35.0
Central Harlem (10)	81	2.4	21.0	92.6	12.3	7.4	16.4	93.8	69.1	37.0
East Harlem (11)	115	3.3	20.0	87.0	9.6	9.6	15.0	95.7	80.5	25.2
Washington Heights (12)	135	2.8	61.2	91.9	8.1	9.6	22.6	91.9	93.3	19.4
BRONX	**1,829**	**3.9**	**41.1**	**89.3**	**10.9**	**10.2**	**22.2**	**92.1**	**91.4**	**23.9**
Mott Haven (01)	182	5.1	32.4	91.7	9.3	12.1	23.4	92.9	85.6	39.8
Hunts Point (02)	104	5.5	34.6	89.4	9.6	7.7	13.7	94.2	91.3	22.3
Morrisania (03)	142	4.2	23.9	88.7	9.2	12.0	23.6	96.5	87.9	26.2
Concourse, Highbridge (04)	211	3.9	50.5	89.6	7.6	10.4	24.5	91.9	94.2	20.5
University/Morris Heights (05)	222	4.7	50.9	85.5	11.3	6.8	24.7	93.7	93.2	18.9
East Tremont (06)	157	4.9	38.2	84.7	14.0	9.6	17.1	92.4	88.5	19.1
Fordham (07)	192	3.8	47.4	91.7	10.4	9.4	18.1	92.2	93.8	22.4
Riverdale (08)	47	1.8	53.2	93.6	8.5	4.3	20.9	91.5	97.8	12.8
Unionport, Soundview (09)	276	4.4	43.5	89.1	10.5	11.2	24.3	91.3	92.0	26.1
Throgs Neck (10)	62	2.3	37.1	93.5	8.1	9.7	26.2	88.7	83.9	23.0
Pelham Parkway (11)	83	2.4	43.4	88.0	13.3	13.3	28.4	79.5	92.8	26.5
Williamsbridge (12)	151	3.6	31.8	91.4	18.5	13.2	20.1	93.4	94.0	21.3
BROOKLYN	**1,884**	**1.9**	**35.5**	**89.4**	**10.7**	**10.6**	**17.2**	**78.4**	**88.3**	**25.5**
Williamsburg, Greenpoint (01)	95	0.9	15.8	95.7	6.3	5.3	11.6	48.4	82.1	34.7
Fort Greene, Brooklyn Heights (02)	22	0.5	4.5	95.5	22.7	18.2	18.2	90.9	86.4	27.3
Bedford Stuyvesant (03)	134	2.1	21.4	87.2	9.0	9.0	10.7	82.8	81.2	24.8
Bushwick (04)	164	5.6	56.8	86.6	9.1	15.2	29.3	92.7	89.6	32.3
East New York (05)	230	3.7	38.2	93.0	10.4	11.7	17.8	93.9	90.8	25.8
Park Slope (06)	18	0.4	27.8	94.1	16.7	11.1	5.6	83.3	88.9	44.4
Sunset Park (07)	120	3.0	50.0	82.5	10.0	7.5	14.8	88.3	96.6	23.3
Crown Heights North (08)	63	2.1	19.4	93.7	11.1	12.9	23.6	96.8	96.8	22.2
Crown Heights South (09)	46	1.3	39.1	91.3	17.4	17.4	13.6	84.8	84.8	34.8
Bay Ridge (10)	51	1.3	46.0	92.0	3.9	7.8	12.5	78.4	96.1	23.5
Bensonhurst (11)	132	2.1	64.4	86.4	10.6	10.6	16.8	70.5	94.7	24.4
Borough Park (12)	175	1.2	21.3	95.4	6.9	8.0	6.4	31.4	85.7	31.4
Coney Island (13)	85	2.8	32.1	87.1	11.8	14.1	27.7	77.6	94.0	25.9
Flatbush, Midwood (14)	93	1.5	38.7	80.6	12.9	10.8	11.8	73.1	84.9	28.3
Sheepshead Bay (15)	88	1.4	39.8	89.7	12.5	9.1	17.4	48.9	81.8	29.5
Brownsville (16)	168	5.6	22.0	88.1	15.5	13.1	24.7	98.2	87.5	11.4
East Flatbush (17)	114	2.6	39.5	88.6	11.4	9.6	18.4	93.0	82.5	15.2
Canarsie (18)	86	1.6	24.7	90.6	10.5	4.7	16.7	87.2	85.7	22.4
QUEENS	**1,370**	**2.3**	**54.0**	**89.6**	**10.8**	**11.0**	**23.2**	**89.1**	**90.1**	**40.5**
Astoria, Long Island City (01)	68	1.4	45.6	88.2	10.3	17.6	29.9	82.4	95.5	38.2
Sunnyside, Woodside (02)	36	0.9	58.3	86.1	2.8	8.3	14.3	91.7	91.7	47.2
Jackson Heights (03)	209	3.9	64.1	87.1	11.0	10.5	28.6	91.9	95.2	38.8
Elmhurst, Corona (04)	193	3.6	60.9	88.1	8.3	8.8	23.8	92.2	93.2	46.9
Ridgewood, Glendale (05)	100	2.2	54.0	93.0	4.0	5.0	26.8	92.0	89.8	34.0
Rego Park, Forest Hills (06)	29	0.9	79.3	89.7	6.9	17.2	15.4	65.5	96.6	27.6
Flushing (07)	83	1.5	61.4	88.0	3.6	6.0	21.0	88.0	90.4	42.7
Fresh Meadows, Briarwood (08)	43	1.1	62.8	90.7	14.0	14.0	24.4	81.4	88.4	37.2
Woodhaven (09)	138	3.0	51.4	88.4	5.8	14.5	17.8	86.2	87.6	48.6
Howard Beach (10)	71	2.1	64.8	95.8	12.7	8.5	25.7	76.1	81.7	54.9
Bayside (11)	8	0.5	12.5	87.5	0.0	0.0	0.0	87.5	100.0	25.0
Jamaica, St. Albans (12)	218	2.9	45.9	89.9	17.4	11.9	22.3	92.2	84.4	42.2
Queens Village (13)	69	1.8	52.2	91.3	17.4	11.6	21.2	85.5	81.2	39.1
The Rockaways (14)	105	3.8	25.7	92.3	18.3	14.4	20.2	98.1	95.1	19.0
STATEN ISLAND	**269**	**1.8**	**22.5**	**90.3**	**11.9**	**9.7**	**6.4**	**90.7**	**85.1**	**16.0**
Port Richmond (01)	204	3.4	19.2	90.7	12.3	10.8	6.5	96.1	86.3	15.8
Willowbrook, South Beach (02)	45	1.1	38.6	86.7	8.9	6.7	4.5	73.3	88.6	20.0
Tottenville (03)	19	0.4	21.1	94.7	15.8	5.3	10.5	78.9	68.4	5.3
NEW YORK CITY RESIDENTS	**5,939**	**2.3**	**41.2**	**89.5**	**10.8**	**10.4**	**20.3**	**86.9**	**89.2**	**28.5**
NON-RESIDENTS	**305**	**0.8**	**29.9**	**91.5**	**13.8**	**12.8**	**13.5**	**63.9**	**79.6**	**23.6**
RESIDENCE UNKNOWN	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

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

Map of percent of live births to teenagers by community district of residence is presented in PO Figure 14.

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

† 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 Woman's Age, New York City, 2023*

Borough of Residence/ Pregnancy Outcome	Total	Age Group (Years) <18	18-19	20-24	25-29	30-34	35-39	≥40	Unknown or Not Stated
NEW YORK CITY	**153,666**	**1,859**	**4,221**	**26,187**	**36,442**	**43,835**	**30,725**	**10,397**	**-**
Live Births	98,389	532	1,555	13,346	21,581	31,030	22,992	7,353	-
Spontaneous Terminations	5,225	39	88	553	943	1,454	1,381	767	-
Induced Terminations	50,052	1,288	2,578	12,288	13,918	11,351	6,352	2,277	-
MANHATTAN	**20,404**	**220**	**481**	**2,638**	**3,946**	**6,627**	**4,866**	**1,626**	**-**
Live Births	13,227	52	175	976	2,073	4,893	3,836	1,222	-
Spontaneous Terminations	869	3	12	68	120	290	237	139	-
Induced Terminations	6,308	165	294	1,594	1,753	1,444	793	265	-
BRONX	**27,142**	**498**	**1,063**	**5,715**	**7,284**	**7,094**	**4,046**	**1,442**	**-**
Live Births	14,983	166	395	2,658	4,021	4,286	2,593	864	-
Spontaneous Terminations	1,095	11	20	141	236	302	235	150	-
Induced Terminations	11,064	321	648	2,916	3,027	2,506	1,218	428	-
BROOKLYN	**46,970**	**500**	**1,197**	**8,858**	**11,395**	**12,444**	**9,320**	**3,256**	**-**
Live Births	32,270	162	456	5,511	7,322	9,082	7,275	2,462	-
Spontaneous Terminations	1,168	13	13	141	211	287	313	190	-
Induced Terminations	13,532	325	728	3,206	3,862	3,075	1,732	604	-
QUEENS	**32,862**	**402**	**933**	**5,464**	**8,423**	**9,297**	**6,300**	**2,043**	**-**
Live Births	20,419	110	381	2,610	4,998	6,444	4,523	1,353	-
Spontaneous Terminations	1,238	9	30	140	238	325	347	149	-
Induced Terminations	11,205	283	522	2,714	3,187	2,528	1,430	541	-
STATEN ISLAND	**6,395**	**86**	**156**	**871**	**1,507**	**2,054**	**1,347**	**374**	**-**
Live Births	4,786	29	65	513	1,106	1,714	1,072	287	-
Spontaneous Terminations	205	1	1	11	42	64	64	22	-
Induced Terminations	1,404	56	90	347	359	276	211	65	-
NON-RESIDENTS	**19,889**	**153**	**391**	**2,641**	**3,887**	**6,317**	**4,846**	**1,654**	**-**
Live Births	12,701	13	83	1,078	2,061	4,610	3,693	1,163	-
Spontaneous Terminations	649	2	12	52	96	185	185	117	-
Induced Terminations	6,539	138	296	1,511	1,730	1,522	968	374	-
RESIDENCE UNKNOWN	**4**	**-**	**-**	**-**	**-**	**2**	**-**	**2**	**-**
Live Births	3	-	-	-	-	1	-	2	-
Spontaneous Terminations	1	-	-	-	-	1	-	-	-
Induced Terminations	-	-	-	-	-	-	-	-	-

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

PREGNANCY OUTCOMES

Table PO14. Spontaneous Terminations of Pregnancy* by Gestational Age and Woman's Age, New York City, 2023

		Age Group (Years)						
Gestational Age (Weeks)	Total	<18	18-19	20-24	25-29	30-34	35-39	≥40
Total	**5,225**	**39**	**88**	**553**	**943**	**1,454**	**1,381**	**767**
<13	3,762	19	64	386	665	1,013	1,022	593
13-15	386	7	4	37	64	111	104	59
16-19	441	1	9	43	73	144	120	51
20-27	378	8	9	46	73	119	86	37
≥28	258	4	2	41	68	67	49	27

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

Table PO15. Selected Characteristics of Spontaneous Terminations of Pregnancy*, ≥ 28 Weeks Gestation, Overall and by Woman's Age, New York City, 2023

		Age Group (Years)						
	Total	<18	18-19	20-24	25-29	30-34	35-39	≥40
Total	**258**	**4**	**2**	**41**	**68**	**67**	**49**	**27**
Sex								
Male	120	2	-	23	31	34	21	9
Female	132	2	2	16	37	32	27	16
Undetermined	6	-	-	2	-	1	1	2
Weight at Delivery (Grams)								
<500	4	-	-	1	1	2	-	-
500-999	22	2	-	5	7	4	3	1
1,000-1,499	44	1	1	8	10	12	7	5
1,500-1,999	51	-	-	10	10	8	14	9
2,000-2,499	34	1	-	2	9	11	9	2
≥2,500	96	-	1	13	28	29	16	9
Not stated	7	-	-	2	3	1	-	1

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

Table PO16. Selected Characteristics of Spontaneous Terminations of Pregnancy*, ≥28 Weeks Gestation, Overall and by Woman's Racial/Ethnic Group, New York City, 2023

		Racial/Ethnic Group						
	Total	Puerto Rican	Hispanic/ Latino (not Puerto Rican)	Asian and Pacific Islander	Non-Hispanic/ Latino White	Non-Hispanic/ Latino Black	Other	Not Stated
Total	**258**	**7**	**55**	**26**	**62**	**78**	**6**	**24**
Sex								
Male	120	6	29	12	30	31	3	9
Female	132	1	24	13	32	44	3	15
Undetermined	6	-	2	1	-	3	-	-
Weight at Delivery (Grams)								
<500	4	-	-	-	-	4	-	-
500-999	22	-	1	2	5	10	-	4
1,000-1,499	44	-	11	5	8	18	-	2
1,500-1,999	51	2	11	3	14	13	1	7
2,000-2,499	34	3	7	6	6	9	1	2
≥2,500	96	1	24	10	28	20	4	9
Not stated	7	1	1	-	1	4	-	-

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

PREGNANCY OUTCOMES

Table PO17. Live Births, Spontaneous Terminations of ≥ 28 Weeks Gestation*, and Induced Terminations of Pregnancy* by Borough of Residence and Occurrence, New York City, 2023

Borough of Residence/ Pregnancy Outcome	Total	Borough of Occurrence					
		Manhattan	Bronx	Brooklyn	Queens	Staten Island	Unknown
NEW YORK CITY	**148,699**	**56,731**	**19,511**	**31,799**	**32,782**	**6,376**	**1,500**
Live Births	98,389	39,484	10,613	22,297	20,148	5,847	-
Spontaneous Terminations	258	103	32	53	58	12	-
Induced Terminations	50,052	17,144	8,866	9,449	12,576	517	1,500
MANHATTAN	**19,568**	**17,318**	**1,162**	**596**	**455**	**37**	**-**
Live Births	13,227	12,653	289	159	105	21	-
Spontaneous Terminations	33	31	2	-	-	-	-
Induced Terminations	6,308	4,634	871	437	350	16	-
BRONX	**26,082**	**8,278**	**16,514**	**583**	**680**	**27**	**-**
Live Births	14,983	5,090	9,471	158	240	24	-
Spontaneous Terminations	35	13	21	-	1	-	-
Induced Terminations	11,064	3,175	7,022	425	439	3	-
BROOKLYN	**45,881**	**14,029**	**304**	**26,747**	**3,226**	**1,575**	**-**
Live Births	32,270	9,678	90	19,648	1,307	1,547	-
Spontaneous Terminations	79	18	2	50	7	2	-
Induced Terminations	13,532	4,333	212	7,049	1,912	26	-
QUEENS	**31,683**	**6,092**	**331**	**1,853**	**23,312**	**95**	**-**
Live Births	20,419	4,104	115	1,142	14,966	92	-
Spontaneous Terminations	59	14	1	1	43	-	-
Induced Terminations	11,205	1,974	215	710	8,303	3	-
STATEN ISLAND	**6,203**	**838**	**34**	**1,084**	**96**	**4,151**	**-**
Live Births	4,786	323	12	714	39	3,698	-
Spontaneous Terminations	13	1	-	2	-	10	-
Induced Terminations	1,404	514	22	368	57	443	-
NON-RESIDENTS	**19,279**	**10,175**	**1,166**	**934**	**5,013**	**491**	**1,500**
Live Births	12,701	7,635	636	474	3,491	465	-
Spontaneous Terminations	39	26	6	-	7	-	-
Induced Terminations	6,539	2,514	524	460	1,515	26	1500
RESIDENCE UNKNOWN	**3**	**1**	**-**	**2**	**-**	**-**	**-**
Live Births	3	1	-	2	-	-	-
Spontaneous Terminations	-	-	-	-	-	-	-
Induced Terminations	-	-	-	-	-	-	-

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

Table PO18. Induced Terminations of Pregnancy* by Selected Characteristics and Woman's Age, New York City, 2023

	Total	<18	18-19	20-24	25-29	30-34	35-39	≥40	Not Stated
Induced Termination of Pregnancy, All	**50,052**	**1,288**	**2,578**	**12,288**	**13,918**	**11,351**	**6,352**	**2,277**	**-**
Racial/Ethnic Group									
Hispanic/Latino	14,812	498	1,007	4,142	4,101	2,957	1,541	566	-
Asian and Pacific Islander	2,691	27	73	578	691	646	493	183	-
Non-Hispanic/Latino White	4,533	59	136	869	1,233	1,109	791	336	-
Non-Hispanic/Latino Black	16,283	392	843	3,986	4,618	3,826	2,004	614	-
Other	2,165	84	106	529	616	460	260	110	-
Unknown	9,568	228	413	2,184	2,659	2,353	1,263	468	-
Gestational Age (Weeks)									
≤6	22,114	418	1,036	5,330	6,481	5,083	2,724	1,042	-
7 - 8	13,922	338	717	3,435	3,905	3,185	1,754	588	-
9 - 10	5,737	171	313	1,518	1,556	1,264	675	240	-
11 - 12	2,541	74	152	618	660	569	350	118	-
13 - 15	2,299	100	128	572	545	520	318	116	-
16 - 20	2,079	113	143	494	492	427	307	103	-
≥21	1,319	74	88	310	268	295	216	68	-
Unknown	41	-	1	11	11	8	8	2	-
Type of Primary Termination Procedure									
Induction termination	40	-	1	5	8	15	9	2	-
Aspiration, including D&C / D&E	27,848	706	1,345	6,501	7,575	6,501	3,808	1,412	-
Surgical hysterotomy and/or hysteroctomy	28	1	1	6	5	5	7	3	-
Medication	21,696	558	1,210	5,678	6,202	4,732	2,470	846	-
Other	440	23	21	98	128	98	58	14	-
Procedure Missing	-	-	-	-	-	-	-	-	-

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

Table PO19. Induced Terminations of Pregnancy by Woman's Age, and Racial/Ethnic Group, New York City, 2019-2023*

	2019	2020	2021	2022	2023
Age Group (Years)					
<20	4,161	2,989	2,901	3,554	3,866
20 - 24	12,471	9,339	9,522	11,748	12,288
25 - 29	14,159	10,729	10,433	13,067	13,918
30 - 34	10,414	8,114	8,385	10,140	11,351
35 - 39	6,260	4,562	4,821	5,733	6,352
≥40	2,318	1,790	1,751	2,131	2,277
Unknown	1	-	-	-	-
Racial/Ethnic Group					
Hispanic/Latino	13,112	9,719	10,753	13,255	14,812
Asian and Pacific Islander	3,188	1,626	1,876	2,358	2,691
Non-Hispanic/Latino White	6,414	3,941	3,652	4,645	4,533
Non-Hispanic/Latino Black	17,665	14,043	14,959	16,878	16,283
Other	1,926	997	1,913	2,242	2,165
Unknown	7,479	7,197	4,660	6,995	9,568
Total	**49,784**	**37,523**	**37,813**	**46,373**	**50,052**

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

PREGNANCY OUTCOMES

Table PO20. Characteristics of Birth* and Pregnancy Outcomes by Neighborhood Poverty†, New York City, 2014 and 2023

	Low (<10%)			Medium (10 to <20%)			High (20 to <30%)			Very High (≥30%)		
Birth Characteristics	2023	2014	Change 2014 to 2023 (%)	2023	2014	Change 2014 to 2023 (%)	2023	2014	Change 2014 to 2023 (%)	2023	2014	Change 2014 to 2023 (%)
Births	25,118	22,987	9.3	27,522	30,760	-10.5	16,050	23,677	-32.2	16,977	34,124	-50.2
Population	2,795,833	2,427,013	15.2	2,755,774	2,464,764	11.8	1,464,524	1,763,739	-17.0	1,235,653	1,835,563	-32.7
Birth Rate (per 1,000 pop.)	9.0	9.5	-5.4	10.0	12.5	-20.1	11.0	13.4	-18.2	13.7	18.6	-26.1
Preterm Live Births (%)	8.5	8.5	0.0	9.0	8.6	4.7	9.8	8.4	16.7	9.9	8.9	11.2
Low Birth Weight (%)	8.1	7.7	5.2	8.8	8.0	10.0	9.4	7.8	20.5	9.4	8.4	11.9
Body Mass Indicator												
Normal (%)	54.5	63.0	-13.5	46.7	55.6	-16.0	40.8	49.5	-17.6	41.6	45.9	-9.4
Overweight/Obese (%)	40.9	30.5	34.1	49.3	38.5	28.1	55.5	45.4	22.2	54.3	48.7	11.5
C-section (%)	34.6	34.5	0.3	32.8	34.0	-3.5	32.7	32.9	-0.6	27.6	29.6	-6.8
Multiple Births (%)	3.0	4.7	-36.2	2.7	3.7	-27.0	2.8	3.0	-6.7	2.9	3.1	-6.5
Breastfed Exclusively (%)	43.9	43.5	0.9	37.9	36.0	5.3	32.5	30.9	5.2	29.9	27.1	10.3
Late or No Prenatal Care (%)	6.3	4.2	50.0	9.3	7.0	32.9	11.2	8.5	31.8	11.3	9.1	24.2
Foreign-born (%)‡	47.5	42.7	11.2	58.4	59.6	-2.0	56.6	59.7	-5.2	37.7	46.6	-19.1

*Births with missing census tracts are excluded. New York City resident births only.
†See Technical Notes: Neighborhood Poverty. Neighborhood poverty (based on census tract) is defined as percent of residents with incomes below 100% of the Federal Poverty Level.
‡See Technical Notes: Geographical Units, Birthplace Presentation.

PREGNANCY OUTCOMES

Table PO21. Pregnancy Outcomes, Pregnancy Outcome Rates*, and Pregnancy Rates* by Woman's Age Group, Racial/Ethnic Group, and Borough of Residence, New York City, 2023

	Age Group†	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	2,087	9.4	127	0.6	3,866	17.5	6,080	27.5
	20-29	34,927	57.9	1,496	2.5	26,206	43.5	62,629	103.9
	30-39	54,022	82.0	2,835	4.3	17,703	26.9	74,560	113.2
	40-49	7,353	13.9	767	1.4	2,277	4.3	10,397	19.6
	Total	**98,389**	**11.9**	**5,225**	**3.0**	**50,052**	**28.5**	**153,666**	**87.5**
Racial/Ethnic Group§‖									
Hispanic/Latino	15-19	1,328	17.2	54	0.7	1,505	19.5	2,887	37.3
	20-29	13,207	77.3	452	2.6	8,243	48.2	21,902	128.2
	30-39	13,395	76.6	653	3.7	4,498	25.7	18,546	106.1
	40-49	1,651	10.8	174	1.1	566	3.7	2,391	15.7
	Total	**29,581**	**12.6**	**1,333**	**2.7**	**14,812**	**29.6**	**45,726**	**91.2**
Asian and Pacific Islander	15-19	56	2.0	2	0.1	100	3.5	158	5.6
	20-29	3,760	39.8	86	0.9	1,269	13.4	5,115	54.2
	30-39	9,400	81.7	262	2.3	1,139	9.9	10,801	93.9
	40-49	1,151	12.0	51	0.5	183	1.9	1,385	14.4
	Total	**14,367**	**11.0**	**401**	**1.4**	**2,691**	**9.4**	**17,459**	**60.9**
Non-Hispanic/Latino White	15-19	250	4.2	6	0.1	195	3.3	451	7.6
	20-29	10,964	55.4	229	1.2	2,102	10.6	13,295	67.2
	30-39	21,399	98.9	733	3.4	1,900	8.8	24,032	111.0
	40-49	2,978	19.4	211	1.4	336	2.2	3,525	23.0
	Total	**35,591**	**13.5**	**1,179**	**2.1**	**4,533**	**8.2**	**41,303**	**74.5**
Non-Hispanic/Latino Black	15-19	422	8.5	36	0.7	1,235	24.9	1,693	34.1
	20-29	6,166	50.0	378	3.1	8,604	69.7	15,148	122.8
	30-39	8,439	61.0	577	4.2	5,830	42.2	14,846	107.4
	40-49	1,375	11.6	163	1.4	614	5.2	2,152	18.1
	Total	**16,402**	**9.2**	**1,154**	**3.1**	**16,283**	**43.8**	**33,839**	**91.1**
Borough of Residence¶									
Manhattan	15-19	227	6.1	15	0.4	459	12.4	701	18.9
	20-29	3,049	19.9	188	1.2	3,347	21.9	6,584	43.0
	30-39	8,729	61.6	527	3.7	2,237	15.8	11,493	81.1
	40-49	1,222	12.4	139	1.4	265	2.7	1,626	16.4
	Total	**13,227**	**8.3**	**869**	**2.3**	**6,308**	**16.4**	**20,404**	**53.1**
Bronx	15-19	561	12.7	31	0.7	969	21.9	1,561	35.2
	20-29	6,679	70.7	377	4.0	5,943	62.9	12,999	137.5
	30-39	6,879	68.6	537	5.4	3,724	37.1	11,140	111.1
	40-49	864	9.9	150	1.7	428	4.9	1,442	16.5
	Total	**14,983**	**11.0**	**1,095**	**3.9**	**11,064**	**39.0**	**27,142**	**95.6**
Brooklyn	15-19	618	9.0	26	0.4	1,053	15.4	1,697	24.8
	20-29	12,833	69.0	352	1.9	7,068	38.0	20,253	108.9
	30-39	16,357	74.5	600	2.7	4,807	21.9	21,764	99.1
	40-49	2,462	14.8	190	1.1	604	3.6	3,256	19.5
	Total	**32,270**	**12.6**	**1,168**	**2.1**	**13,532**	**24.1**	**46,970**	**83.6**
Queens	15-19	491	8.7	39	0.7	805	14.3	1,335	23.8
	20-29	7,608	54.3	378	2.7	5,901	42.1	13,887	99.1
	30-39	10,967	66.7	672	4.1	3,958	24.1	15,597	94.9
	40-49	1,353	9.3	149	1.0	541	3.7	2,043	14.1
	Total	**20,419**	**9.1**	**1,238**	**2.9**	**11,205**	**25.8**	**32,862**	**75.7**
Staten Island	15-19	94	6.3	2	0.1	146	9.8	242	16.3
	20-29	1,619	55.7	53	1.8	706	24.3	2,378	81.9
	30-39	2,786	85.2	128	3.9	487	14.9	3,401	104.0
	40-49	287	9.1	22	0.7	65	2.1	374	11.9
	Total	**4,786**	**9.8**	**205**	**2.2**	**1,404**	**15.2**	**6,395**	**69.2**

Population data used to calculate rates are 2023 estimates from the 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 the entire population.
‡Counts for females ages 15 to 19 are the number of events to females age <20; counts for females ages 40 to 49 are the number of events to females ages 40 and over. See Technical Notes: Vital Event Rates.
§Includes all events occurring in NYC regardless of residence.
‖Other/unknown race and ethnicity are excluded.
¶Numbers and rates are limited to events occurring in NYC to NYC residents only.

PREGNANCY OUTCOMES

Table PO22. Most Popular Baby Names by Sex, New York City, Selected Years

Girls

Rank	1898	1928	1948	1980	1990	2000	2005	2015	2019	2020	2021	2022	2023
1	Mary	Mary	inda	Jennifer	Stephanie	Ashley	Emily	Olivia	Emma	Emma	Emma	Emma	Emma
2	Catherine	Marie	Mary	Jessica	Jessica	Samantha	Ashley	Sophia	Olivia	Sophia	Olivia	Mia	Mia
3	Margaret	Annie	Barbara	Melissa	Ashley	Kayla	Kayla	Emma/Mia	Sophia	Mia	Mia	Olivia	Sophia
4	Annie	Margaret	Patricia	Nicole	Jennifer	Emily	Sarah	Isabella	Mia	Olivia	Sophia	Sophia	Olivia
5	Rose	Catherine	Susan	Michelle	Amanda	Brianna	Isabella	Leah	Isabella	Isabella	Leah	Leah	Isabella
6	Marie	Gloria	Kathleen	Elizabeth	Samantha	Sarah	Samantha	Emily	Leah	Ava	Ava	Ava	Amelia
7	Esther	Helen	Carol	Lisa	Nicole	Jessica	Sophia	Ava	Ava	Leah	Isabella	Esther	Leah
8	Sarah	Teresa	Nancy	Christina	Christina	Nicole	Nicole	Chloe	Chloe	Sarah	Amelia	Isabella	Chloe
9	Frances	Joan	Margaret	Tiffany	Melissa	Michelle	Olivia	Madison	Amelia	Chloe	Luna	Luna	Luna
10	Ida	Barbara	Diane	Maria	Michelle	Amanda	Rachel	Sarah	Charlotte	Amelia	Sofia	Amelia	Sofia

Boys

Rank	1898	1928	1948	1980	1990	2000	2005	2015	2019	2020	2021	2022	2023
1	John	John	Robert	Michael	Michael	Michael	Michael	Ethan	Liam	Liam	Liam	Liam	Liam
2	William	William	John	David	Christopher	Justin	Daniel	Liam	Noah	Noah	Noah	Noah	Noah
3	Charles	Joseph	James	Jason	Jonathan	Christopher	Joshua	Noah	Ethan	Jacob	Ethan	Ethan	David
4	George	James	Michael	Joseph	Anthony	Matthew	David	Jacob	Jacob	Ethan	Lucas	Lucas	Lucas
5	Joseph	Richard	William	Christopher	David	Daniel	Justin	Jayden	Lucas	Lucas	Jacob	David	Jacob
6	Edward	Edward	Richard	Anthony	Daniel	Anthony	Matthew	Matthew	Aiden	Joseph	Joseph	Jacob	Ethan
7	James	Robert	Joseph	John	Joseph	Joshua	Anthony	David	Daniel	David	David	Aiden	Joseph
8	Louis	Thomas	Thomas	Daniel	Matthew	David	Christopher	Daniel/Dylan	Michael	Aiden	Daniel	Joseph	Dylan
9	Francis	George	Stephen	Robert	John	Joseph	Joseph	Aiden	David	Alexander	Aiden	Daniel	Michael*
10	Samuel	Louis	David	James	Andrew	Kevin	Nicholas	Michael	Matthew	Daniel	Benjamin	Alexander	Muhammad*

Table PO23. Most Popular Baby Names by Sex and Mother's Racial/Ethnic Group, New York City, 2023

	Girls					Boys				
Rank	Overall	Hispanic/ Latino	NHL-Black	NHL-White	Asian & P.I.	Overall	Hispanic/ Latino	NHL-Black	NHL-White	Asian & P.I.
1	Emma	Mia	Nova	Leah	Chloe	Liam	Liam	Noah	David	Muhammad
2	Mia	Isabella	Ava	Esther	Emma	Noah	Noah	Amir	Moshe	Lucas
3	Sophia	Emma	Zuri	Chaya	Amelia	David	Thiago	Kairo*	Joseph	Ethan
4	Olivia	Sophia	Fatoumata	Miriam	Olivia	Lucas	Dylan	Liam*	James	Aiden
5	Isabella	Luna	Journee	Rachel	Sophia	Jacob	Mateo	Amari**	Henry*	Ryan
6	Amelia	Camila	Amelia	Olivia	Evelyn	Ethan	Matthew	Elijah**	Leo*	Liam*
7	Leah	Sofia	Fatima*	Rivka*	Mia	Joseph	Lucas	Zion	Jacob	Noah*
8	Chloe	Zoe	Nyla*	Sarah*	Aria	Dylan	Ethan	Kayden	Noah	Jasper
9	Luna	Valentina	Skylar*	Charlotte	Ellie*	Michael*	Sebastian	Josiah	Benjamin	Jayden
10	Sofia	Alaia	Amira	Chana	Luna*	Muhammad*	Jayden	Legend	Michael	Leo

* Tied ranks
** Tied ranks
NHL=Non-Hispanic/Latino; P.I.=Pacific Islander. Mothers of other, multiple, or unknown racial/ethnic group are not shown.

PERINATAL PERIODS OF RISK (PPOR)

Table 1. Fetal-Infant Mortality Rate per 1,000 Births and Fetal Deaths by Perinatal Period of Risk, Year, and Woman's Racial/Ethnic Group, New York City, 2019-2023

	Births and 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
2019	110,692	273	2.5	227	2.1	93	0.8	99	0.9	692	6.3
2020	100,307	272	2.7	224	2.2	83	0.8	89	0.9	668	6.7
2021	99,463	255	2.6	190	1.9	73	0.7	101	1.0	619	6.2
2022	99,669	235	2.4	205	2.1	89	0.9	112	1.1	641	6.4
2023	98,599	244	2.5	182	1.8	102	1.0	89	0.9	617	6.3
Woman's Racial/Ethnic Group, 2019-2023											
Puerto Rican	23,808	58	2.4	30	1.3	28	1.2	38	1.6	154	6.5
Hispanic/Latino (not Puerto Rican)	122,593	275	2.2	197	1.6	130	1.1	116	0.9	718	5.9
Asian and Pacific Islander	78,784	134	1.7	104	1.3	47	0.6	36	0.5	321	4.1
Non-Hispanic/Latino White	182,835	264	1.4	294	1.6	119	0.7	86	0.5	763	4.2
Non-Hispanic/Latino Black	89,872	464	5.2	300	3.3	104	1.2	201	2.2	1,069	11.9
Other or Unknown	10,838	84	-	103	-	12	-	13	-	212	-
NEW YORK CITY	**508,730**	**1,279**	**2.5**	**1,028**	**2.0**	**440**	**0.9**	**490**	**1.0**	**3,237**	**6.4**

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

Table 2. Fetal-Infant Mortality Rate per 1,000 Births and Fetal Deaths by Perinatal Period of Risk and Community District of Residence, New York City, 2019-2023

	Births and Fetal Deaths*	Maternal Health/ Prematurity		Maternal Care		Newborn Care		Infant Health		Total Fetal-Infant Mortality	
Community District of Residence	No.	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
MANHATTAN	**69,771**	**139**	**2.0**	**118**	**1.7**	**29**	**0.4**	**48**	**0.7**	**334**	**4.8**
Battery Park, Tribeca (01)	4,326	6	1.4	4	0.9	-	0.0	-	0.0	10	2.3
Greenwich Village, SOHO (02)	2,908	2	0.7	1	0.3	-	0.0	-	0.0	3	1.0
Lower East Side (03)	4,319	6	1.4	12	2.8	3	0.7	5	1.2	26	6.0
Chelsea, Clinton (04)	4,348	12	2.8	6	1.4	-	0.0	2	0.5	20	4.6
Midtown Business District (05)	2,868	5	1.7	6	2.1	1	0.3	3	1.0	15	5.2
Murray Hill (06)	5,373	8	1.5	6	1.1	2	0.4	-	0.0	16	3.0
Upper West Side (07)	9,955	12	1.2	16	1.6	3	0.3	2	0.2	33	3.3
Upper East Side (08)	11,174	9	0.8	20	1.8	4	0.4	5	0.4	38	3.4
Manhattanville (09)	4,102	14	3.4	7	1.7	2	0.5	2	0.5	25	6.1
Central Harlem (10)	6,133	19	3.1	13	2.1	8	1.3	13	2.1	53	8.6
East Harlem (11)	6,035	22	3.6	11	1.8	5	0.8	12	2.0	50	8.3
Washington Heights (12)	8,230	24	2.9	16	1.9	1	0.1	4	0.5	45	5.5
BRONX	**80,754**	**280**	**3.5**	**195**	**2.4**	**96**	**1.2**	**115**	**1.4**	**686**	**8.5**
Mott Haven (01)	6,264	28	4.5	13	2.1	9	1.4	9	1.4	59	9.4
Hunts Point (02)	3,353	12	3.6	7	2.1	5	1.5	6	0.0	30	8.9
Morrisania (03)	5,899	12	2.0	16	2.7	7	1.2	14	2.4	49	8.3
Concourse, Highbridge (04)	9,461	36	3.8	28	3.0	9	1.0	20	2.1	93	9.8
University/Morris Heights (05)	8,477	27	3.2	19	2.2	5	0.6	11	1.3	62	7.3
East Tremont (06)	5,580	30	5.4	19	3.4	5	0.9	8	1.4	62	11.1
Fordham (07)	8,732	28	3.2	17	1.9	7	0.8	12	1.4	64	7.3
Riverdale (08)	4,598	10	2.2	7	1.5	5	1.1	4	0.9	26	5.7
Unionport, Soundview (09)	10,727	29	2.7	24	2.2	15	1.4	10	0.9	78	7.3
Throgs Neck (10)	4,516	13	2.9	9	2.0	8	1.8	2	0.4	32	7.1
Pelham Parkway (11)	5,942	19	3.2	15	2.5	12	2.0	7	1.2	53	8.9
Williamsbridge (12)	7,205	36	5.0	21	2.9	9	1.2	12	1.7	78	10.8
BROOKLYN	**168,083**	**382**	**2.3**	**342**	**2.0**	**139**	**0.8**	**153**	**0.9**	**1,016**	**6.0**
Williamsburg, Greenpoint (01)	17,323	25	1.4	33	1.9	8	0.5	10	0.6	76	4.4
Fort Greene, Brooklyn Heights (02)	7,882	15	1.9	13	1.6	-	0.0	6	0.8	34	4.3
Bedford Stuyvesant (03)	10,598	20	1.9	24	2.3	8	0.8	16	1.5	68	6.4
Bushwick (04)	4,944	13	2.6	10	2.0	10	2.0	4	0.8	37	7.5
East New York (05)	10,861	48	4.4	26	2.4	14	1.3	16	1.5	104	9.6
Park Slope (06)	7,039	10	1.4	11	1.6	2	0.3	4	0.6	27	3.8
Sunset Park (07)	7,421	14	1.9	6	0.8	3	0.4	5	0.7	28	3.8
Crown Heights North (08)	5,317	24	4.5	8	1.5	2	0.4	4	0.8	38	7.1
Crown Heights South (09)	6,208	13	2.1	19	3.1	12	1.9	8	1.3	52	8.4
Bay Ridge (10)	6,996	14	2.0	11	1.6	4	0.6	2	0.3	31	4.4
Bensonhurst (11)	10,976	12	1.1	16	1.5	9	0.8	6	0.5	43	3.9
Borough Park (12)	23,968	30	1.3	49	2.0	17	0.7	13	0.5	109	4.5
Coney Island (13)	5,282	16	3.0	10	1.9	3	0.6	8	1.5	37	7.0
Flatbush, Midwood (14)	10,658	16	1.5	22	2.1	5	0.5	10	0.9	53	5.0
Sheepshead Bay (15)	10,423	20	1.9	17	1.6	12	1.2	5	0.5	54	5.2
Brownsville (16)	5,302	30	5.7	15	2.8	9	1.7	11	2.1	65	12.3
East Flatbush (17)	7,526	30	4.0	27	3.6	7	0.9	12	1.6	76	10.1
Canarsie (18)	9,359	32	3.4	25	2.7	14	1.5	13	1.4	84	9.0
QUEENS	**104,879**	**233**	**2.2**	**209**	**2.0**	**74**	**0.7**	**97**	**0.9**	**613**	**5.8**
Astoria, Long Island City (01)	8,479	10	1.2	15	1.8	4	0.5	6	0.7	35	4.1
Sunnyside, Woodside (02)	7,131	10	1.4	14	2.0	1	0.1	3	0.4	28	3.9
Jackson Heights (03)	9,295	16	1.7	16	1.7	8	0.9	11	1.2	51	5.5
Elmhurst, Corona (04)	9,291	16	1.7	11	1.2	11	1.2	10	1.1	48	5.2
Ridgewood, Glendale (05)	7,736	15	1.9	15	1.9	4	0.5	8	1.0	42	5.4
Rego Park, Forest Hills (06)	5,648	5	0.9	7	1.2	4	0.7	3	0.5	19	3.4
Flushing (07)	9,678	19	2.0	13	1.3	1	0.1	6	0.6	39	4.0
Fresh Meadows, Briarwood (08)	7,048	14	2.0	8	1.1	7	1.0	6	0.9	35	5.0
Woodhaven (09)	7,863	20	2.5	19	2.4	3	0.4	7	0.9	49	6.2
Howard Beach (10)	5,756	23	4.0	9	1.6	5	0.9	6	1.0	43	7.5
Bayside (11)	2,471	5	2.0	3	1.2	-	0.0	-	0.0	8	3.2
Jamaica, St. Albans (12)	12,679	42	3.3	41	3.2	15	1.2	15	1.2	113	8.9
Queens Village (13)	6,716	23	3.4	20	3.0	8	1.2	9	1.3	60	8.9
The Rockaways (14)	5,088	15	2.9	18	3.5	3	0.6	7	1.4	43	8.5
STATEN ISLAND	**24,704**	**58**	**2.3**	**49**	**2.0**	**22**	**0.9**	**28**	**1.1**	**157**	**6.4**
Port Richmond (01)	10,247	34	3.3	22	2.1	10	1.0	12	1.2	78	7.6
Willowbrook, South Beach (02)	6,825	12	1.8	14	2.1	8	1.2	9	1.3	43	6.3
Tottenville (03)	7,576	12	1.6	13	1.7	4	0.5	7	0.9	36	4.8
NEW YORK CITY RESIDENTS	**448,191**	**1,092**	**2.4**	**913**	**2.0**	**360**	**0.8**	**441**	**1.0**	**2,806**	**6.3**
NON-RESIDENTS	**60,501**	**182**	**3.0**	**114**	**1.9**	**80**	**1.3**	**48**	**0.8**	**424**	**7.0**
RESIDENCE UNKNOWN	**38**	**5**	**-**	**1**	**-**	**-**	**-**	**1**	**-**	**7**	**-**

*Limited to fetal deaths and live births with a birthweight of 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.

INFANT MORTALITY

Table IM1. Infant Deaths by Cause, Sex, and Age, New York City, 2023

	Cause of Death (ICD-10 Codes)	Total	Male		Female	
			Neonatal (<28 days)	Post-Neonatal (≥28 days)	Neonatal (<28 days)	Post-Neonatal (≥28 days)
	Total	**414**	**154**	**74**	**114**	**72**
1	HIV Infection (B20-B24)*	-	-	-	-	-
2	Diseases of the Circulatory System (I00-I99)*	7	1	2	2	2
3	Influenza and Pneumonia (J10-J18)*	3	-	-	-	3
4	Newborn Affected by Maternal Complications of Pregnancy (P01)*	5	3	-	2	-
5	Newborn Affected by Complications of Placenta, Cord, and Membranes (P02)*	8	3	-	4	1
6	Short Gestation and Low Birthweight (P07)*	50	25	2	21	2
7	Intrauterine Hypoxia and Birth Asphyxia (P20-P21)*	5	3	-	2	-
8	Respiratory Distress of Newborn (P22)*	12	6	-	6	-
9	Pulmonary Hemorrhage Originating in the Perinatal Period (P26)*	9	7	-	2	-
10	Atelectasis (P28.0-P28.1)*	5	5	-	-	-
11	Other Respiratory Conditions Originating in the Perinatal Period (P23-P28)†	3	1	-	1	1
12	Infections Specific to the Perinatal Period (P35-P39)†	15	13	1	1	-
	Bacterial sepsis of newborn (P36)	10	9	-	1	-
13	Neonatal Hemorrhage (P50-P52, P54)*	6	2	1	3	-
14	Necrotizing Enterocolitis of Newborn (P77)*	11	5	-	6	-
15	Remainder of Conditions Originating in the Perinatal Period (Rest of P00-P99)	63	31	2	29	1
16	Congenital Malformations, Deformations (Q00-Q99)*	100	35	17	29	19
	Congenital malformations of heart (Q20-Q24)	24	10	6	3	5
17	Sudden Infant Death Syndrome (R95)*	28	3	12	1	12
18	COVID-19 (U07.1)	2	-	1	-	1
19	All Other Diseases (Rest of A00-R99)	52	8	24	2	18
20	External Causes (V01-Y89)†	30	3	12	3	12

*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 are 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, 2023

	Live Births					Infant Deaths																	
						Total					Early-Neonatal (< 7 days)					Neonatal (< 28 days)					Post-Neonatal (> 28 days)				
Characteristics	Total	Hisp./ Latino	NHL- White	NHL- Black	Asian & P.I.	Total	Hisp./ Latino	NHL- White	NHL- Black	Asian & P.I.	Total	Hisp./ Latino	NHL- White	NHL- Black	Asian & P.I.	Total	Hisp./ Latino	NHL- White	NHL- Black	Asian & P.I.	Total	Hisp./ Latino	NHL- White	NHL- Black	Asian & P.I.
Total	**98,389**	**29,581**	**35,591**	**16,402**	**14,367**	**414**	**137**	**79**	**138**	**39**	**187**	**62**	**46**	**52**	**15**	**268**	**91**	**56**	**84**	**23**	**146**	**46**	**23**	**54**	**16**
Sex of Child																									
Male	50,470	15,136	18,268	8,337	7,448	228	79	45	70	18	105	35	27	25	8	154	53	33	44	12	74	26	12	26	6
Female	47,919	14,445	17,323	8,065	6,919	186	58	34	68	21	82	27	19	27	7	114	38	23	40	11	72	20	11	28	10
Birthweight at Delivery (Grams)																									
Low birthweight (<2,500)	8,828	2,596	2,212	2,299	1,468	254	82	46	84	30	143	45	32	45	13	196	62	38	67	20	58	20	8	17	10
Very low birthweight (<1,500)	1,291	402	245	461	144	184	63	29	64	21	115	37	25	40	9	151	50	26	56	14	33	13	3	8	7
2,500-4,000	84,414	25,510	30,956	13,424	12,489	113	40	24	39	6	31	11	12	5	2	53	20	14	14	3	60	20	10	25	3
Above 4,000	5,132	1,475	2,423	678	410	8	4	2	1	-	3	2	1	-	-	4	3	1	-	-	4	1	1	1	-
Not stated	15	-	-	1	-	2	-	-	1	-	2	-	-	1	-	2	-	-	1	-	-	-	-	-	-
Unmatched*	-	-	-	-	-	37	11	7	13	3	8	4	1	1	-	13	6	3	2	-	24	5	4	11	3
Gestational Age (Weeks)																									
Preterm (<37)	9,282	2,981	2,534	2,231	1,297	246	82	44	80	28	146	49	34	43	12	197	66	37	66	19	49	16	7	14	9
Very preterm (<32)	1,351	427	275	461	145	185	65	30	63	18	118	39	25	39	9	154	52	27	55	13	31	13	3	8	5
Full-term	89,091	26,600	33,056	14,169	13,070	130	44	28	44	8	32	9	11	7	3	57	19	16	15	4	73	25	12	29	4
Not stated	16	-	1	2	-	1	-	-	1	-	1	-	-	1	-	1	-	-	1	-	-	-	-	-	-
Unmatched*	-	-	-	-	-	37	11	7	13	3	8	4	1	1	-	13	6	3	2	-	24	5	4	11	3
Plurality																									
Singletons	95,450	28,842	34,482	15,761	13,993	339	120	62	111	31	161	58	38	44	14	228	83	44	72	20	111	37	18	39	11
Multiples	2,939	739	1,109	641	374	38	6	10	14	5	18	-	7	7	1	27	2	9	10	3	11	4	1	4	2
Unmatched*	-	-	-	-	-	37	11	7	13	3	8	4	1	1	-	13	6	3	2	-	24	5	4	11	3
Plurality unknown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

*Infants who died in New York City who were born elsewhere are classified as unmatched.
†Other/not stated maternal racial/ethnic groups are not included in this table. Therefore, the total is not equal to the sum of the racial/ethnic groups. NHL= Non-Hispanic/Latino.

Table IM3. Infant Mortality Rate by Mother's Racial/Ethnic Group and Characteristics of Infant, New York City, 2023

	Total					Early-Neonatal (< 7 days)					Neonatal (< 28 days)					Post-Neonatal (> 28 days)				
Characteristics	Total	Hisp./ Latino	NHL- White	NHL- Black	Asian & P.I.	Total	Hisp./ Latino	NHL- White	NHL- Black	Asian & P.I.	Total	Hisp./ Latino	NHL- White	NHL- Black	Asian & P.I.	Total	Hisp./ Latino	NHL- White	NHL- Black	Asian & P.I.
Total	**4.2**	**4.6**	**2.2**	**8.4**	**2.7**	**1.9**	**2.1**	**1.3**	**3.2**	**1.0**	**2.7**	**3.1**	**1.6**	**5.1**	**1.6**	**1.5**	**1.6**	**0.6**	**3.3**	**1.1**
Sex of Child																				
Male	4.5	5.2	2.5	8.4	2.4	2.1	2.3	1.5	3.0	1.1	3.1	3.5	1.8	5.3	1.6	1.5	1.7	0.7	3.1	0.8
Female	3.9	4.0	2.0	8.4	3.0	1.7	1.9	1.1	3.3	1.0	2.4	2.6	1.3	5.0	1.6	1.5	1.4	0.6	3.5	1.4
Birthweight at Delivery (Grams)																				
Low birthweight (<2,500)	28.8	31.6	20.8	36.5	20.4	16.2	17.3	14.5	19.6	8.9	22.2	23.9	17.2	29.1	13.6	6.6	7.7	3.6	7.4	6.8
Very low birthweight (<1,500)	142.5	156.7	118.4	138.8	145.8	89.1	92.0	102.0	86.8	62.5	117.0	124.4	106.1	121.5	97.2	25.6	32.3	12.2	17.4	48.6
2,500-4,000	1.3	1.6	0.8	2.9	0.5	0.4	0.4	0.4	0.4	0.2	0.6	0.8	0.5	1.0	0.2	0.7	0.8	0.3	1.9	0.2
Above 4,000	1.6	2.7	0.8	1.5	-	0.6	1.4	0.4	-	-	0.8	2.0	0.4	-	-	0.8	0.7	0.4	1.5	-
Gestational Age (Weeks)																				
Preterm (<37)	26.5	27.5	17.4	35.9	21.6	15.7	16.4	13.4	19.3	9.3	21.2	22.1	14.6	29.6	14.6	5.3	5.4	2.8	6.3	6.9
Very preterm (<32)	136.9	152.2	109.1	136.7	124.1	87.3	91.3	90.9	84.6	62.1	114.0	121.8	98.2	119.3	89.7	22.9	30.4	10.9	17.4	34.5
Full-term	1.5	1.7	0.8	3.1	0.6	0.4	0.3	0.3	0.5	0.2	0.6	0.7	0.5	1.1	0.3	0.8	0.9	0.4	2.0	0.3
Plurality																				
Singletons	3.6	4.2	1.8	7.0	2.2	1.7	2.0	1.1	2.8	1.0	2.4	2.9	1.3	4.6	1.4	1.2	1.3	0.5	2.5	0.8
Multiples	12.9	8.1	9.0	21.8	13.4	6.1	-	6.3	10.9	2.7	9.2	2.7	8.1	15.6	8.0	3.7	5.4	0.9	6.2	5.3

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Table IM4. Live Births and Infant Mortality, Overall and by Mother's Racial/Ethnic Group, New York City, 2019-2023

Mother's Racial/Ethnic Group	2019	2020	2021	2022	2023
Live Births, Total	**110,442**	**100,022**	**99,262**	**99,459**	**98,389**
Puerto Rican	5,422	5,198	4,826	4,426	3,908
Hispanic/Latino (not Puerto Rican)	24,796	23,236	23,836	24,838	25,673
Asian and Pacific Islander	18,725	15,633	14,927	15,012	14,367
Non-Hispanic/Latino White	39,278	35,812	36,023	35,768	35,591
Non-Hispanic/Latino Black	20,053	18,162	17,608	17,307	16,402
Other or Unknown	2,168	1,981	2,042	2,108	2,448
Infant Deaths (< 1 year), Total	**464**	**388**	**400**	**427**	**414**
Puerto Rican	28	30	21	27	18
Hispanic/Latino (not Puerto Rican)	97	99	91	116	119
Asian and Pacific Islander	46	44	41	29	39
Non-Hispanic/Latino White	104	77	66	96	79
Non-Hispanic/Latino Black	173	126	162	132	138
Other or Unknown	16	12	19	27	21
Infant Mortality Rate, Total	**4.2**	**3.9**	**4.0**	**4.3**	**4.2**
Puerto Rican	5.2	5.8	4.4	6.1	4.6
Hispanic/Latino (not Puerto Rican)	3.9	4.3	3.8	4.7	4.6
Asian and Pacific Islander	2.5	2.8	2.7	1.9	2.7
Non-Hispanic/Latino White	2.6	2.2	1.8	2.7	2.2
Non-Hispanic/Latino Black	8.6	6.9	9.2	7.6	8.4
Neonatal Deaths (< 28 days), Total	**305**	**244**	**246**	**262**	**268**
Puerto Rican	15	18	14	15	11
Hispanic/Latino (not Puerto Rican)	71	65	50	71	80
Asian and Pacific Islander	30	30	29	19	23
Non-Hispanic/Latino White	73	52	39	70	56
Non-Hispanic/Latino Black	106	69	99	69	84
Neonatal Mortality Rate, Total	**2.8**	**2.4**	**2.5**	**2.6**	**2.7**
Puerto Rican	2.8	3.5	2.9	3.4	2.8
Hispanic/Latino (not Puerto Rican)	2.9	2.8	2.1	2.9	3.1
Asian and Pacific Islander	1.6	1.9	1.9	1.3	1.6
Non-Hispanic/Latino White	1.9	1.5	1.1	2.0	1.6
Non-Hispanic/Latino Black	5.3	3.8	5.6	4.0	5.1

Table IM5. Infant Mortality Rate by Mother's Birthplace*, New York City, 2017-2023

Birthplace†	2017-2019	2018-2020	2019-2021	2020-2022	2021-2023
New York City	4.1	4.0	4.0	4.1	4.2
United States‡	4.3	4.0	4.1	3.8	3.8
United States (excluding Puerto Rico)	4.3	4.1	4.1	3.9	3.8
Puerto Rico	3.8	1.8	2.5	3.4	3.8
Haiti	7.8	7.8	8.6	9.0	9.7
Jamaica	7.0	6.1	6.0	7.0	7.8
El Salvador	6.9	8.9	10.6	9.1	7.2
Trinidad and Tobago	3.6	5.0	5.9	8.4	6.9
Guyana	4.5	5.7	5.8	6.9	6.0
Yemen Arab Republic	5.1	4.4	4.5	4.6	6.0
Pakistan	4.2	4.0	4.3	4.8	5.9
Colombia	2.3	1.5	2.0	4.2	5.2
Honduras	3.4	3.4	4.5	3.6	5.1
Ghana	5.5	3.8	6.0	4.3	4.8
Phillipines	4.8	4.0	3.1	4.0	4.7
Venezuela	1.1	0.0	2.5	5.3	4.6
Nigeria	4.6	5.6	3.1	3.5	4.0
Guatemala	3.4	4.4	4.3	4.3	3.8
Ecuador	3.4	3.6	3.8	3.9	3.6
Dominican Republic	2.8	3.0	3.3	3.3	3.5
Bangladesh	4.3	3.1	3.7	3.7	3.4
Mexico	3.5	2.8	2.7	2.6	3.2
Israel	3.7	4.7	3.2	2.9	3.1
Canada	1.0	2.7	2.8	4.6	2.9
India	2.7	3.1	2.8	2.7	2.5
Egypt	2.9	1.7	2.7	2.3	2.4
United Kingdom	1.4	2.8	2.9	3.8	1.6
Ukraine	1.3	1.4	0.5	1.6	1.1
Uzbekistan	2.2	1.5	1.3	1.4	1.1
China	1.9	1.5	1.5	1.1	1.1
Russia	1.8	2.3	1.7	1.9	0.9
Korea	1.2	0.0	0.0	0.0	0.0
Poland	1.9	1.4	1.7	0.0	0.0

*The infant mortality rate is listed only for countries with 500 or more live births in any year from 2017-2023.
†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, 2019–2023

CD		2019–2021*		2020–2022*		2021–2023*	
		Infant Mortality Rate	Neonatal† Mortality Rate	Infant Mortality Rate	Neonatal† Mortality Rate	Infant Mortality Rate	Neonatal† Mortality Rate
CD	**NEW YORK CITY**	**4.0**	**2.6**	**4.1**	**2.5**	**4.2**	**2.6**
	MANHATTAN	**2.7**	**1.8**	**2.4**	**1.5**	**2.6**	**1.6**
101	Battery Park, Tribeca	1.4	1.1	0.4	0.0	1.8	1.8
102	Greenwich Village, SOHO	0.0	0.0	0.6	0.6	0.0	0.0
103	Lower East Side	1.4	0.7	2.8	1.2	3.0	1.3
104	Chelsea, Clinton	2.6	1.9	0.4	0.4	0.4	0.4
105	Midtown Business District	2.5	0.6	1.4	0.7	2.3	1.2
106	Murray Hill	0.9	0.9	1.0	1.0	1.4	1.4
107	Upper West Side	1.9	1.4	1.7	1.6	1.8	1.8
108	Upper East Side	0.9	0.7	0.8	0.3	1.4	0.5
109	Manhattanville	3.5	2.4	3.7	2.5	2.5	2.5
110	Central Harlem	7.2	4.9	5.5	2.8	5.8	2.6
111	East Harlem	6.1	4.0	5.7	3.4	6.6	2.9
112	Washington Heights	3.2	1.8	3.7	2.5	3.5	2.7
	BRONX	**5.3**	**3.5**	**5.4**	**3.5**	**5.3**	**3.3**
201	Mott Haven	7.0	5.2	7.2	5.1	7.2	4.7
202	Hunts Point	3.3	1.9	3.9	2.5	4.7	2.6
203	Morrisania	5.9	3.8	6.5	3.9	6.0	2.7
204	Concourse, Highbridge	5.3	3.1	5.8	3.1	6.1	3.5
205	University/Morris Heights	4.5	2.2	5.5	2.4	4.9	1.9
206	East Tremont	6.2	3.2	5.4	3.6	5.6	4.1
207	Fordham	4.1	2.8	3.9	2.4	4.6	2.6
208	Riverdale	3.5	2.8	3.3	2.2	2.6	1.1
209	Unionport, Soundview	4.4	2.9	4.1	3.0	4.0	2.9
210	Throgs Neck	4.5	3.4	6.0	4.9	5.5	4.4
211	Pelham Parkway	7.0	4.2	6.0	4.6	6.3	4.6
212	Williamsbridge	8.1	6.1	7.5	4.7	6.5	4.1
	BROOKLYN	**3.2**	**1.9**	**3.0**	**1.8**	**3.3**	**2.1**
301	Williamsburg, Greenpoint	2.0	0.9	2.1	1.2	2.2	1.5
302	Fort Greene, Brooklyn Heights	2.9	1.9	2.4	1.3	1.9	0.9
303	Bedford Stuyvesant	3.7	1.9	3.7	2.1	2.7	1.2
304	Bushwick	3.4	2.4	2.7	1.7	4.1	3.0
305	East New York	6.1	3.9	4.6	2.4	5.3	3.5
306	Park Slope	1.8	0.9	2.4	1.4	2.5	1.2
307	Sunset Park	1.7	1.5	2.1	1.2	2.2	1.0
308	Crown Heights North	3.6	1.8	3.8	1.9	2.3	1.3
309	Crown Heights South	3.9	2.6	4.6	3.2	5.6	4.5
310	Bay Ridge	2.1	1.2	2.0	1.5	2.0	1.5
311	Bensonhurst	2.3	1.8	2.8	1.9	3.2	2.2
312	Borough Park	2.2	1.2	1.3	0.8	1.7	1.2
313	Coney Island	4.6	2.2	4.9	2.3	4.0	2.0
314	Flatbush, Midwood	2.2	1.1	2.1	1.1	2.4	1.4
315	Sheepshead Bay	1.9	1.4	1.3	1.0	2.6	1.9
316	Brownsville	8.4	5.4	7.7	5.5	10.4	6.7
317	East Flatbush	6.9	4.3	5.9	3.4	5.6	3.2
318	Canarsie	3.3	2.1	5.1	2.9	6.0	3.7
	QUEENS	**3.9**	**2.5**	**4.2**	**2.6**	**4.0**	**2.6**
401	Astoria, Long Island City	2.7	1.6	2.2	1.4	3.4	2.0
402	Sunnyside, Woodside	2.1	1.6	2.2	1.7	1.5	1.0
403	Jackson Heights	2.7	1.8	3.4	2.3	4.2	2.6
404	Elmhurst, Corona	3.7	2.3	4.8	2.6	4.9	3.0
405	Ridgewood, Glendale	3.0	1.5	2.8	1.5	3.1	2.0
406	Rego Park, Forest Hills	3.8	2.6	3.0	2.1	0.9	0.6
407	Flushing	2.5	1.5	1.8	1.1	1.3	0.7
408	Fresh Meadows, Briarwood	3.4	2.1	3.4	2.5	3.7	2.5
409	Woodhaven	4.2	2.5	5.4	3.7	3.9	2.6
410	Howard Beach	5.2	3.7	5.7	4.2	5.3	3.8
411	Bayside	4.7	3.3	4.9	2.8	3.4	2.7
412	Jamaica, St. Albans	5.8	3.7	7.3	4.5	5.5	3.6
413	Queens Village	6.7	4.3	6.1	3.6	7.5	4.4
414	The Rockaways	5.7	2.8	4.8	3.1	7.5	4.6
	STATEN ISLAND	**4.2**	**2.7**	**4.6**	**2.9**	**4.8**	**3.1**
501	Port Richmond	5.4	3.7	5.4	3.4	5.2	3.3
502	Willowbrook, South Beach	3.9	2.2	5.1	3.2	6.4	3.9
503	Tottenville	2.9	2.0	2.9	2.0	2.9	2.0

*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, 2023

	Live Births		Infant Mortality Rate (IMR) Per 1,000 Live Births					
			All		Neonatal*		Post-Neonatal*	
Characteristics	Number	Percent	Deaths	Rate	Deaths	Rate	Deaths	Rate
Total	**98,389**	**100.0**	**414**	**4.2**	**268**	**2.7**	**146**	**1.5**
Race/Ethnicity								
Puerto Rican	3,908	4.0	18	4.6	11	2.8	7	1.8
Hispanic/Latino not of Puerto Rican ancestry	25,673	26.1	119	4.6	80	3.1	39	1.5
Asian and Pacific Islander	14,367	14.6	39	2.7	23	1.6	16	1.1
Non-Hispanic/Latino White	35,591	36.2	79	2.2	56	1.6	23	0.6
Non-Hispanic/Latino Black	16,402	16.7	138	8.4	84	5.1	54	3.3
Other and Unknown	2,448	2.5	21	-	14	-	7	-
Borough of Residence								
Manhattan	13,227	13.4	40	3.0	23	1.7	17	1.3
Bronx	14,983	15.2	74	4.9	41	2.7	33	2.2
Brooklyn	32,270	32.8	111	3.4	79	2.4	32	1.0
Queens	20,419	20.8	83	4.1	54	2.6	29	1.4
Staten Island	4,786	4.9	20	4.2	14	2.9	6	1.3
Non-NYC residents	12,701	12.9	84	6.6	55	4.3	29	2.3
Unknown	3	-	2	-	2	-	-	-
Age of Mother								
Age <18	532	0.5	7	13.2	4	7.5	3	5.6
Age 18-19	1,555	1.6	10	6.4	7	4.5	3	1.9
Age 20-29	34,927	35.5	143	4.1	90	2.6	53	1.5
Age 30-39	54,022	54.9	180	3.3	129	2.4	51	0.9
Age ≥40	7,353	7.5	37	5.0	25	3.4	12	1.6
Age unknown	-	-	-	-	-	-	-	-
Unmatched†	-	-	37	-	13	-	24	-
Mother's Education								
11th grade or less/12th grade, no diploma	13,304	13.5	77	5.8	52	3.9	25	1.9
High school graduate or GED	24,211	24.6	121	5.0	78	3.2	43	1.8
Some college/associate degree	18,214	18.5	69	3.8	40	2.2	29	1.6
Bachelor's degree	22,340	22.7	63	2.8	48	2.1	15	0.7
Master's degree or higher	19,312	19.6	33	1.7	25	1.3	8	0.4
Mother's education unknown	1,008	1.0	14	-	12	-	2	-
Unmatched†	-	-	37	-	13	-	24	-
Marital Status of Mother‡								
Not married	36,305	36.9	198	5.5	122	3.4	76	2.1
Married	62,084	63.1	179	2.9	133	2.1	46	0.7
Unmatched†	-	-	37	-	13	-	24	-
Mother's Birthplace§								
US born, including territories	50,296	51.1	190	3.8	123	2.4	67	1.3
Foreign-born	47,980	48.8	180	3.8	125	2.6	55	1.1
Birthplace unknown	113	0.1	7	-	7	61.9	-	-
Unmatched†	-	-	37	-	13	-	24	-
Primary Payer for This Birth								
Medicaid	56,377	57.3	251	4.5	162	2.9	89	1.6
Private	39,838	40.5	109	2.7	81	2.0	28	0.7
Other	1,919	2.0	12	6.3	8	4.2	4	2.1
Coverage unknown	255	0.3	5	-	4	-	1	-
Unmatched†	-	-	37	-	13	-	24	-
Plurality								
Singletons	95,450	97.0	339	3.6	228	2.4	111	1.2
Multiples	2,939	3.0	38	12.9	27	9.2	11	3.7
Unmatched†	-	-	37	-	13	-	24	-
First Prenatal Care Visit								
No prenatal care	1,327	1.3	30	22.6	24	18.1	6	4.5
First Trimester (1-3 months)	68,627	69.8	194	2.8	132	1.9	62	0.9
Second Trimester (4-6 months)	18,833	19.1	78	4.1	50	2.7	28	1.5
Third Trimester (7-9 months)	6,992	7.1	43	6.1	22	3.1	21	3.0
Prenatal care unknown	2,610	2.7	32	-	27	-	5	-
Unmatched†	-	-	37	-	13	-	24	-
Pre-pregnancy Body Mass Index (BMI)								
Underweight (BMI<18.5)	4,009	4.1	11	2.7	8	2.0	3	0.7
Normal weight (18.5≤BMI<25)	46,593	47.4	121	2.6	92	2.0	29	0.6
Overweight (25≤BMI<30)	26,391	26.8	111	4.2	61	2.3	50	1.9
Obese (BMI≥30)	20,885	21.2	127	6.1	89	4.3	38	1.8
Pre-pregnancy BMI unknown	511	0.5	7	-	5	-	2	-
Unmatched†	-	-	37	-	13	-	24	-
Birthweight								
Very low birthweight	1,291	1.3	184	140.5	151	117.0	33	21.6
Low birthweight	7,537	7.7	70	9.8	45	6.0	25	4.2
Normal birthweight	89,546	91.0	121	1.4	57	0.6	64	0.9
Birthweight unknown	15	-	2	-	2	-	-	-
Unmatched†	-	-	37	-	13	-	24	-

*Neonatal infants are those less than 28 days old; post-neonatal 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.

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Table M1. Deaths by Selected Underlying Cause, Borough of Residence, Sex, and ICD-10/ICD-9 Comparability Ratio, New York City, 2023

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	Non-residents	Unknown	Male	Female	
Total Deaths	**55,459**	**9,552**	**9,700**	**15,236**	**12,410**	**3,724**	**4,549**	**288**	**29,035**	**26,424**	
Natural Causes	**49,776**	**8,589**	**8,408**	**13,850**	**11,366**	**3,434**	**4,022**	**107**	**24,871**	**24,905**	
1.* **Tuberculosis (A16-A19)**	**27**	**4**	**3**	**11**	**5**	**2**	**2**	**-**	**17**	**10**	**0.88**
Respiratory tuberculosis (A16)	22	3	3	10	4	1	1	-	15	7	0.94
2.* **Septicemia (A40-A41)**	**1,040**	**180**	**208**	**346**	**188**	**21**	**95**	**2**	**533**	**507**	**1.19**
3.* **Viral Hepatitis (B15-B19)**	**83**	**7**	**17**	**19**	**21**	**7**	**12**	**-**	**53**	**30**	**0.71**
4.* **Human Immunodeficiency Virus (HIV) Disease (B20-B24)**	**275**	**53**	**112**	**63**	**23**	**5**	**14**	**5**	**207**	**68**	**1.08**
5. **All Other Infective and Parasitic Diseases (Rest of A01-B99)**	**507**	**90**	**101**	**114**	**110**	**27**	**63**	**2**	**259**	**248**	
6.* **Malignant Neoplasms (C00-C97)**	**11,342**	**1,955**	**1,699**	**3,024**	**2,417**	**823**	**1,422**	**2**	**5,609**	**5,733**	**1.01**
Lip, oral cavity, and pharynx (C00-C14)	177	35	36	38	35	10	22	1	126	51	0.96
Esophagus (C15)	209	39	28	39	51	21	31	-	143	66	0.99
Stomach (C16)	359	43	47	116	103	20	30	-	217	142	1.01
Colon, rectum, and anus (C18-C21)	1,042	174	137	305	232	82	112	-	563	479	1.00
Liver and intrahepatic bile ducts (C22)	614	88	121	163	141	40	61	-	381	233	0.96
Pancreas (C25)	1,071	202	144	289	230	74	132	-	530	541	1.00
Larynx (C32)	54	11	6	15	12	4	6	-	39	15	1.01
Trachea, bronchus, and lung (C33-C34)	1,938	332	292	524	398	206	186	-	1,018	920	0.98
Melanoma of skin (C43)	90	18	9	16	10	7	30	-	62	28	0.95
Mesothelioma (C45)	35	7	2	6	6	6	8	-	26	9	
Breast (C50)	844	150	139	242	173	47	93	-	7	837	1.01
Cervix uteri (C53)	106	14	14	38	29	6	5	-	-	106	1.00
Corpus uteri and uterus, part unspecified (C54-C55)	407	62	74	134	72	18	47	-	-	407	1.02
Ovary (C56)	301	64	36	68	71	26	36	-	-	301	0.99
Prostate (C61)	594	104	114	175	109	30	61	1	594	-	1.01
Kidney and renal pelvis (C64-C65)	206	41	26	52	42	18	27	-	132	74	1.00
Bladder (C67)	260	49	36	69	45	29	32	-	185	75	1.00
Meninges, brain, and other parts of central nervous system (C70-C72)	296	45	34	81	72	27	37	-	155	141	0.98
Lymphoid, hematopoietic and related tissues (C81-C96)	1,148	193	132	273	236	59	255	-	620	528	1.00
Hodgkin's disease (C81)	23	1	5	8	4	3	2	-	13	10	1.00
Non-Hodgkin's lymphoma (C82-C85)	439	87	50	88	88	17	109	-	237	202	0.98
Multiple myeloma and immunoproliferative neoplasms (C88, C90)	255	38	39	72	54	16	36	-	128	127	1.04
Leukemia (C91-C95)	427	67	38	103	89	22	108	-	240	187	1.01
7.* **In Situ or Benign Neoplasms and Neoplasms of Uncertain or Unknown Behavior (D00-D48)**	**232**	**47**	**35**	**52**	**54**	**14**	**29**	**1**	**118**	**114**	**1.63**
8.* **Anemias (D50-D64)**	**82**	**12**	**10**	**31**	**13**	**3**	**13**	**-**	**42**	**40**	**0.94**
9.* **Diabetes Mellitus (E10-E14)**	**1,621**	**216**	**312**	**498**	**343**	**187**	**63**	**2**	**857**	**764**	**1.02**
10.† **Mental and Behavioral Disorders Due to Use of Alcohol (F10)**	**407**	**57**	**67**	**136**	**94**	**24**	**13**	**16**	**328**	**79**	
11. **Mental and Behavioral Disorders Due to Use of Psychoactive Substance Excluding Alcohol and Tobacco (F11-F16, F18-F19) ‡**	**88**	**23**	**25**	**16**	**6**	**2**	**10**	**6**	**66**	**22**	
12. **Diseases of Nervous System (G00-G98)**	**2,598**	**621**	**343**	**594**	**677**	**200**	**162**	**1**	**1,067**	**1,531**	
* Meningitis (G00,G03)	17	4	3	6	3	-	1	-	9	8	1.01
* Parkinson's disease (G20-G21)	448	130	59	88	111	30	30	-	271	177	1.01
* Alzheimer's disease (G30)	874	236	113	207	222	46	50	-	268	606	1.58
13. **Major Cardiovascular Diseases (I00-I78)**	**19,640**	**3,055**	**3,472**	**5,686**	**4,819**	**1,426**	**1,136**	**46**	**10,033**	**9,607**	**1.00**
* **Diseases of heart (I00-I09, I11, I13, I20-I51)**	**15,766**	**2,421**	**2,639**	**4,694**	**3,914**	**1,179**	**878**	**41**	**8,265**	**7,501**	**0.99**
Acute rheumatic fever and chronic rheumatic heart diseases (I00-I09)	39	10	2	9	7	1	10	-	14	25	0.88
Hypertensive heart disease (I11)	2,178	421	405	594	471	190	87	10	1,044	1,134	0.80
Hypertensive heart and renal disease (I13)	169	22	28	50	34	23	12	-	94	75	1.13
Chronic ischemic heart disease (I20, I25)	9,599	1,339	1,531	2,952	2,621	699	432	25	5,183	4,416	1.01
Acute myocardial infarction (I21-I22)	1,399	181	295	413	275	136	95	4	769	630	0.99
Cardiomyopathy (I42)	135	26	26	34	28	6	15	-	75	60	

Table continued on following page

MORTALITY

Table M1. Deaths by Selected Underlying Cause, Borough of Residence, Sex, and ICD-10/ICD-9 Comparability Ratio, New York City, 2023 [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	Non-residents	Unknown	Male	Female	
	Heart failure (I50)	715	143	122	218	154	20	57	1	382	333	1.04
*	Essential hypertension and hypertensive renal disease (I10, I12, I15)	1,236	172	302	329	285	92	55	1	563	673	1.12
*	Cerebrovascular diseases (I60-I69)	2,200	404	453	554	512	114	162	1	965	1,235	1.05
*	Atherosclerosis (I70)	142	8	23	38	42	24	6	1	66	76	0.97
*	Aortic aneurysm and dissection (I71)	162	20	29	35	43	11	22	2	107	55	1.00
14.*	**Influenza and Pneumonia (J09-J18)**	**1,465**	**181**	**263**	**536**	**307**	**77**	**97**	**4**	**769**	**696**	**0.70**
	H1N1 Flu (J09)	0	-	-	-	-	-	-	-	-	-	
15.*	**Chronic Lower Respiratory Diseases (J40-J47)**	**1,486**	**283**	**275**	**338**	**314**	**195**	**78**	**3**	**645**	**841**	**1.04**
	Emphysema (J43)	65	13	10	18	17	4	2	1	36	29	0.96
	Asthma (J45-J46)	154	27	49	38	27	6	7	-	64	90	0.89
16.	**Pneumoconiosis Due to Asbestos and Other Mineral Fibres (J61)**	**1**	**-**	**-**	**-**	**-**	**-**	**1**	**-**	**1**	**-**	
17.*	**Pneumonitis Due to Solids and Liquids (J69)**	**376**	**96**	**74**	**97**	**75**	**8**	**26**	**-**	**205**	**171**	**1.10**
18.*	**Peptic Ulcer (K25-K28)**	**50**	**16**	**4**	**15**	**12**	**1**	**1**	**1**	**31**	**19**	**0.97**
19.*	**Chronic Liver Disease and Cirrhosis (K70, K73-K74)**	**544**	**79**	**102**	**148**	**113**	**23**	**74**	**5**	**363**	**181**	**1.03**
	Alcoholic liver disease (K70)	317	44	57	87	67	13	44	5	235	82	1.00
20.*	**Cholelithiasis and Other Disorders of Gallbladder (K80-K82)**	**82**	**17**	**19**	**10**	**22**	**4**	**10**	**-**	**43**	**39**	**0.96**
21.*	**Nephritis, Nephrotic Syndrome, and Nephrosis (N00-N07, N17-N19, N25-N27)**	**754**	**142**	**112**	**260**	**142**	**34**	**64**	**-**	**405**	**349**	**1.26**
	Renal failure (N17-N19)	697	127	100	247	132	29	62	-	384	313	1.33
22.*	**Pregnancy, Childbirth, and the Puerperium (O00-O99)**	**10**	**-**	**6**	**1**	**2**	**1**	**-**	**-**	**-**	**10**	**1.14**
	Maternal causes (A34, O00-O95, O98-O99)§	10	-	6	1	2	1	-	-	-	10	
23.*	**Certain Conditions Originating in the Perinatal Period (P00-P96)**	**198**	**22**	**32**	**57**	**40**	**10**	**36**	**1**	**113**	**85**	**1.08**
24.*	**Congenital Malformations, Deformations, and Chromosomal Abnormalities (Q00-Q99)**	**209**	**16**	**39**	**61**	**34**	**9**	**50**	**-**	**96**	**113**	**0.90**
25.	**Symptoms, Signs, and Abnormal Findings, Not Elsewhere Classified (R00-R94, R96-R99)**	**637**	**151**	**83**	**153**	**192**	**17**	**41**	**-**	**272**	**365**	**0.98**
26.	**Sudden Infant Death Syndrome (R95)**	**31**	**6**	**5**	**7**	**8**	**2**	**3**	**-**	**17**	**14**	**1.06**
	Pending final determination (R99)	2	1	-	-	1	-	-	-	2	-	
27.	**Covid-19 (U07.1)**	**849**	**149**	**115**	**210**	**233**	**80**	**61**	**1**	**395**	**454**	
28.	**All Other Natural Causes (Rest of A00-R99)**	**5,142**	**1,111**	**875**	**1,367**	**1,102**	**232**	**446**	**9**	**2,327**	**2,815**	
External Causes		**5,683**	**963**	**1,292**	**1,386**	**1,044**	**290**	**527**	**181**	**4,164**	**1,519**	
28.	**Injury by Firearms (W32-W34, X72-X74, X93-X95, Y22-Y24, Y35.0)**	**276**	**43**	**78**	**81**	**38**	**13**	**23**	**-**	**251**	**25**	**1.00**
29.	**Accidents (V01-X59,Y85-Y86)**	**4,379**	**728**	**1,065**	**1,034**	**780**	**232**	**394**	**146**	**3,180**	**1,199**	**1.03**
	Accidental poisoning by psychoactive substances, excluding alcohol and tobacco (X40-X42, X44) ‡	3,024	492	848	691	465	156	259	113	2,297	727	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) ‡**	**3,112**	**515**	**873**	**707**	**471**	**158**	**269**	**119**	**2,363**	**749**	
†	**Accidents except poisoning by psychoactive substance use**	**1,355**	**236**	**217**	**343**	**315**	**76**	**135**	**33**	**883**	**472**	
	Motor vehicle accidents ||	288	32	49	82	72	15	33	5	215	73	0.95
	Accidental falls (W00-W19)	601	106	92	143	153	47	51	9	354	247	0.77
30.*	**Intentional Self-harm (Suicide) (U03, X60-X84, Y87.0)**	**547**	**128**	**74**	**131**	**133**	**23**	**49**	**9**	**387**	**160**	**1.00**
31.*	**Assault (Homicide) (U01-U02, X85-Y09, Y87.1)**	**406**	**57**	**117**	**119**	**55**	**17**	**35**	**6**	**343**	**63**	**1.00**
32.*	**Legal Intervention (Y35, Y89.0)**	**8**	**3**	**3**	**2**	**-**	**-**	**-**	**-**	**8**	**-**	**0.94**
33.	**Events of Undetermined Intent (Y10-Y34, Y87.2, Y89.9)**	**267**	**37**	**26**	**83**	**58**	**11**	**32**	**20**	**204**	**63**	**0.99**
34.*	**Complications of Medical and Surgical Care (Y40-Y84, Y88)**	**76**	**10**	**7**	**17**	**18**	**7**	**17**	**-**	**42**	**34**	**0.63**
35.*	**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, Racial/Ethnic Group, and Sex, New York City, 2023

	All						Hispanic/Latino						Non-Hispanic/Latino White						Non-Hispanic/Latino Black						Asian and Pacific Islander						Other/Multiple Race/Unknown		
	Total		Male		Female		Total		Male		Female		Total		Male		Female		Total		Male		Female		Total		Male		Female		Total	Male	Female
Age in Years	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	**55,459**	**6.7**	**29,035**	**7.3**	**26,424**	**6.1**	**12,224**	**5.2**	**6,689**	**5.9**	**5,535**	**4.6**	**21,046**	**8.0**	**10,846**	**8.4**	**10,200**	**7.6**	**15,174**	**8.5**	**7,571**	**9.2**	**7,603**	**7.9**	**5,357**	**4.1**	**2,910**	**4.7**	**2,447**	**3.6**	**1,658**	**1,019**	**639**
Age-Adjusted		**5.3**		**6.6**		**4.3**		**5.0**		**6.5**		**3.8**		**5.1**		**6.2**		**4.2**		**6.6**		**8.3**		**5.4**		**3.4**		**4.2**		**2.8**			
Under 5	488	1.1	275	1.2	213	1.0	132	0.9	82	1.1	50	0.7	119	0.9	70	1.0	49	0.8	152	1.7	76	1.7	76	1.7	42	0.7	21	0.7	21	0.8	43	26	17
5-9	67	0.1	33	0.1	34	0.2	17	0.1	9	0.1	8	0.1	17	0.1	9	0.1	8	0.1	20	0.2	10	0.2	10	0.2	10	0.1	3	0.1	7	0	3	2	1
10-14	76	0.2	38	0.2	38	0.2	22	0.1	11	0.1	11	0.1	16	0.1	6	0.1	10	0.2	30	0.3	16	0.3	14	0.3	7	0.1	4	0.1	3	0.1	1	1	-
15-19	180	0.4	128	0.6	52	0.2	66	0.4	48	0.6	18	0.2	44	0.4	25	0.4	19	0.3	52	0.5	39	0.8	13	0.3	16	0.3	14	0.5	2	0.1	2	2	-
20-24	347	0.7	240	1.0	107	0.4	126	0.8	95	1.2	31	0.4	76	0.5	49	0.7	27	0.4	101	0.9	68	1.3	33	0.6	34	0.5	24	0.7	10	0.3	10	4	6
25-29	525	0.8	355	1.1	170	0.5	175	1.0	130	1.5	45	0.5	116	0.5	78	0.7	38	0.3	186	1.4	117	1.9	69	1.0	29	0.3	17	0.3	12	0.2	19	13	6
30-34	779	1.1	556	1.6	223	0.6	268	1.4	206	2.1	62	0.7	196	0.8	135	1.1	61	0.5	249	1.7	167	2.3	82	1.1	29	0.3	18	0.3	11	0.2	37	30	7
35-39	953	1.6	665	2.2	288	0.9	333	2.0	244	2.8	89	1.1	224	1.1	160	1.6	64	0.6	313	2.5	204	3.4	109	1.7	60	0.6	45	0.9	15	0.3	23	12	11
40-44	1,232	2.3	863	3.3	369	1.3	441	2.8	339	4.3	102	1.3	278	1.7	198	2.3	80	1.0	386	3.4	235	4.5	151	2.5	81	0.9	56	1.3	25	0.5	46	35	11
45-49	1,442	2.9	926	3.9	516	2.0	453	3.1	326	4.7	127	1.7	332	2.2	222	2.9	110	1.5	494	4.6	272	5.6	222	3.8	120	1.4	74	1.9	46	1.0	43	32	11
50-54	2,068	4.1	1,323	5.4	745	2.8	560	3.9	379	5.4	181	2.4	516	3.4	339	4.3	177	2.4	717	6.2	426	8.3	291	4.6	177	2.0	108	2.6	69	1.4	98	71	27
55-59	3,283	6.4	2,115	8.6	1,168	4.4	830	5.8	557	8.3	273	3.6	819	5.4	553	7.1	266	3.7	1,270	10.0	769	13.7	501	7.1	252	3.0	152	3.8	100	2.2	112	84	28
60-64	4,419	8.8	2,803	11.8	1,616	6.1	1,056	8.2	665	11.4	391	5.6	1,199	7.7	793	10.0	406	5.3	1,673	13.3	1,019	18.3	654	9.3	327	3.9	205	5.1	122	2.8	164	121	43
65-69	5,004	11.3	3,026	14.8	1,978	8.2	1,022	9.7	653	14.1	369	6.3	1,598	10.6	999	13.6	599	7.7	1,689	16.0	933	20.7	756	12.5	487	6.4	303	8.2	184	4.6	208	138	70
70-74	5,640	15.6	3,242	20.4	2,397	11.8	1,143	14.1	648	19.1	495	10.5	2,109	15.3	1,251	19.7	858	11.5	1,619	20.4	862	26.8	757	16.1	566	9.6	358	13.0	208	6.7	203	124	79
75-79	6,341	23.6	3,306	29.4	3,035	19.5	1,313	22.2	662	28.1	651	18.3	2,609	23.5	1,431	29.2	1,178	18.9	1,602	28.1	743	35.4	859	23.8	635	16.8	363	20.8	272	13.3	182	107	75
80-84	6,601	37.7	3,204	46.8	3,397	31.9	1,358	34.5	641	44.2	717	28.8	2,805	38.8	1,408	46.7	1,397	33.2	1,587	41.5	693	53.8	894	35.2	674	29.0	366	36.1	308	23.5	177	96	81
≥85	16,014	88.9	5,937	94.7	10,078	85.8	2,909	80.6	994	85.1	1,915	78.4	7,973	100.1	3,120	104.9	4,853	97.2	3,034	82.1	922	86.5	2,112	80.3	1,811	72.0	779	79.0	1,032	67.4	287	121	166
Mean age at death	**72.3**		**68.7**		**76.3**		**68.8**		**64.0**		**74.5**		**76.8**		**73.5**		**80.3**		**68.7**		**65.0**		**72.3**		**74.8**		**72.5**		**77.6**		**67.3**	**64.8**	**71.1**
Median age at death	**75**		**71**		**80**		**72**		**67**		**79**		**80**		**76**		**84**		**70**		**66**		**75**		**78**		**75**		**81**		**70**	**67**	**75**

* Population data are from the US Census Bureau 2023 population estimates as of July 1, 2023, released in the 2023 vintage file. See Table PC2 on page 55.

Table M3. Deaths by Ancestry* and Borough of Residence, New York City, 2023

Mother's Ancestry	Total	Borough of Residence						
		Manhattan	Bronx	Brooklyn	Queens	Staten Island	Non-residents	Residence Unknown
Total	**55,459**	**9,552**	**9,700**	**15,236**	**12,410**	**3,724**	**4,549**	**288**
Hispanic/Latino								
Colombian	400	42	22	45	254	13	24	-
Cuban	314	93	77	37	85	10	10	2
Dominican	2,701	793	1,060	350	354	27	115	2
Ecuadorian	585	67	93	101	272	9	40	3
Mexican	666	74	171	172	162	34	38	15
Puerto Rican	4,920	874	1,997	1,145	491	198	202	13
Other Hisp./Latino	2,638	421	851	546	531	84	165	40
North American and the Caribbean								
African-American	10,168	1,723	2,466	3,367	1,692	272	598	50
American	9,367	2,585	605	1,811	1,948	843	1,571	4
Guyanese	1,021	12	113	336	508	9	43	-
Haitian	919	35	24	583	210	13	54	-
Jamaican	1,227	49	317	489	272	6	93	1
Trinidadian	620	19	35	376	144	9	37	-
Other North American and the Caribbean	892	50	166	452	132	16	76	-
African								
Egyptian	123	6	5	33	35	27	17	-
Ghanaian	121	5	85	14	8	4	5	-
Nigerian	97	6	25	27	23	5	10	1
Other African	454	70	80	187	47	45	25	-
European								
English	161	47	13	26	31	25	19	-
German	367	55	38	31	138	56	49	-
Irish	995	71	119	107	327	263	107	1
Italian	2,691	80	248	636	592	878	256	1
Polish	468	58	18	123	185	44	40	-
Russian	437	50	17	234	77	45	13	1
Other European	2,341	271	127	895	695	198	154	1
Asian								
Asian Indian	390	35	17	21	205	18	93	1
Bangladeshi	370	9	64	67	211	3	16	-
Chinese	2,879	673	50	876	1,090	101	89	-
Filipino	363	49	25	36	184	37	32	-
Korean	402	30	20	14	281	19	38	-
Pakistani	195	9	11	62	66	16	30	1
Other Asian	819	131	52	212	274	53	96	1
Other								
Jewish or Hebrew	2,329	298	83	1,295	367	116	169	1
Other or Not Stated	3,019	762	606	530	519	228	225	149

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

Table M4. Deaths by Place of Death*, New York City, 2019-2023

	2019		2020		2021		2022		2023	
Place of Death	Deaths	%	Deaths	%	Deaths	%	Deaths	%	Deaths	%
Total	**54,559**	**100.0**	**82,143**	**100.0**	**63,551**	**100.0**	**60,596**	**100.0**	**55,459**	**100.0**
Hospital Inpatient	25,097	46.0	39,209	47.7	31,077	48.9	27,842	45.9	25,415	45.8
Emergency/Outpatient	4,996	9.2	6,637	8.1	5,292	8.3	5,467	9.0	4,980	9.0
Dead on Arrival (DOA)	573	1.1	452	0.6	372	0.6	322	0.5	289	0.5
Nursing Home/Long Term Care Facility	7,974	14.6	12,158	14.8	7,105	11.2	7,886	13.0	7,334	13.2
Hospice Facility	949	1.7	671	0.8	441	0.7	424	0.7	405	0.7
Decedents' Residence	14,186	26.0	21,927	26.7	18,133	28.5	17,514	28.9	15,889	28.6
Other	784	1.4	1,089	1.3	1,131	1.8	1,141	1.9	1,147	2.1
Unknown or Not Stated	-	-	-	-	-	-	-	-	-	-

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

Table M5. Deaths by Birthplace and Borough of Residence, New York City, 2023*

		Borough of Residence						
Birthplace	Total	Manhattan	Bronx	Brooklyn	Queens	Staten Island	Non-Residents	Residence Unknown
Total	**55,459**	**9,552**	**9,700**	**15,236**	**12,410**	**3,724**	**4,549**	**288**
United States	31,194	6,216	6,207	7,404	5,487	2,744	3,082	54
United States (excluding Puerto Rico)	27,518	5,539	4,632	6,532	5,164	2,637	2,969	45
Puerto Rico	3,676	677	1,575	872	323	107	113	9
China	2,725	600	41	933	968	118	65	-
Dominica Republic	2,477	720	979	323	329	22	102	2
Jamaica	1,411	60	386	541	310	7	106	1
Guyana	1,071	14	120	358	519	10	50	-
Ukraine	979	24	16	782	92	47	18	-
Haiti	946	47	23	599	211	14	52	-
Italy	875	36	79	295	243	136	85	1
Trinidad and Tobago	703	23	46	419	162	13	40	-
Mexico	602	60	159	166	150	27	26	14
Ecuador	557	65	92	91	263	10	33	3
Russia	520	51	19	319	74	45	12	-
Poland	411	54	15	142	156	14	30	-
India	399	34	15	20	215	17	97	1
Bangladesh	364	9	62	65	207	3	18	-
Colombia	363	39	19	40	239	10	16	-
Philippines	363	46	24	37	188	38	30	-
Korea	350	19	18	11	253	18	31	-
Greece	320	27	12	64	186	11	20	-
Cuba	294	85	73	37	77	10	11	1
Guatemala	256	63	17	47	84	12	33	-
Barbados	252	13	27	158	38	4	12	-
Hondurus	210	22	76	50	40	10	12	-
Uzbekistan	210	5	-	87	108	5	5	-
Belarus	201	5	5	158	17	15	1	-
Other or not stated	7,406	1,215	1,170	2,090	1,794	364	562	211

*See Technical Notes: Geographical Units, Birthplace Presentation.

Table M6. Deaths by Birthplace and Age Group, New York City, 2023*

Birthplace	Total	Age Group (Years) <15	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Total	**55,459**	**631**	**527**	**1,304**	**2,185**	**3,510**	**7,702**	**10,644**	**12,942**	**16,014**
United States	31,194	602	370	915	1,328	2,079	4,701	6,009	7,071	8,119
United States (excluding Puerto Rico)	27,518	602	368	902	1,270	1,981	4,338	5,370	5,884	6,803
Puerto Rico	3,676	-	2	13	58	98	363	639	1,187	1,316
China	2,725	1	5	19	46	104	219	452	645	1,234
Dominica Republic	2,477	4	23	54	89	148	370	487	620	682
Jamaica	1,411	1	4	17	37	74	185	320	396	377
Guyana	1,071	-	4	12	27	68	180	256	256	268
Ukraine	979	1	-	6	11	25	40	137	207	552
Haiti	946	2	7	6	23	49	109	202	215	333
Italy	875	-	-	4	-	7	26	75	244	519
Trinidad and Tobago	703	-	1	4	18	34	102	179	205	160
Mexico	602	-	10	53	160	159	99	57	38	26
Ecuador	557	2	19	21	36	39	79	78	152	131
Russia	520	-	2	9	15	17	48	68	142	219
Poland	411	-	-	2	18	25	32	82	60	192
India	399	-	6	10	15	27	47	88	101	105
Bangladesh	364	1	3	2	18	29	71	126	83	31
Colombia	363	-	4	10	11	11	38	77	97	115
Philippines	363	-	2	4	5	23	51	77	115	86
Korea	350	-	-	1	3	18	27	59	103	139
Greece	320	-	-	2	1	3	14	39	100	161
Cuba	294	-	-	-	4	3	23	29	65	170
Guatemala	256	-	2	2	3	5	8	35	57	144
Barbados	252	-	1	1	3	14	19	42	78	94
Uzbekistan	210	1	5	7	15	18	26	49	44	45
Belarus	210	-	4	4	8	17	24	40	60	53
Romania	201	-	-	2	4	4	14	22	31	124
Other or Not Stated	7,406	16	55	137	287	510	1,150	1,559	1,757	1,935

*See Technical Notes: Geographical Units, Birthplace Presentation.

Table M7. Leading Causes of Death by Age Group and Sex, New York City, 2023

		All		Male		Female	
Rank	ALL AGES	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Diseases of Heart	15,766	28.4	8,265	28.5	7,501	28.4
2	Malignant Neoplasms	11,342	20.5	5,609	19.3	5,733	21.7
3	Use of or Poisoning by Psychoactive Substance	3,112	5.6	2,363	8.1	749	2.8
4	Cerebrovascular Diseases	2,200	4.0	965	3.3	1,235	4.7
5	Diabetes Mellitus	1,621	2.9	857	3.0	764	2.9
6	Chronic Lower Respiratory Diseases	1,486	2.7	645	2.2	841	3.2
7	Influenza and Pneumonia	1,465	2.6	769	2.6	696	2.6
8	Accidents Except Poisoning by Psychoactive Substance	1,355	2.4	883	3.0	472	1.8
9	Essential Hypertension and Renal Diseases	1,236	2.2	563	1.9	673	2.5
10	Septicemia	1,040	1.9	533	1.8	507	1.9
	All Other Causes	14,836	26.8	7,583	26.1	7,253	27.4
	Total	**55,459**	**100.0**	**29,035**	**100.0**	**26,424**	**100.0**
Rank	< 1 YEAR	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Congenital Malformations, Deformations	100	24.2	52	22.8	48	25.8
2	Short Gestation and Low Birth Weight	50	12.1	27	11.8	23	12.4
3	Cardiovascular Disorders In Perinatal Period	38	9.2	17	7.5	21	11.3
4	External Causes	29	7.0	15	6.6	14	7.5
5	Sudden Infant Death Syndrome	28	6.8	15	6.6	13	7.0
6	Respiratory Distress Of Newborn	12	2.9	6	2.6	6	3.2
7	Necrotizing Enterocolitis Of Newborn	11	2.7	5	2.2	6	3.2
8	Bacterial Sepsis Of Newborn	10	2.4	9	3.9	1	0.5
9	Pulmonary Hemorrhage In Perinatal Period	9	2.2	7	3.1	2	1.1
10	Newborn Affected By Complications Of Placenta	8	1.9	3	1.3	5	2.7
10	All Other Causes	119	28.7	72	31.6	47	25.3
	Total	**414**	**100.0**	**228**	**100.0**	**186**	**100.0**
Rank	1 - 14 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	37	17.1	14	11.9	23	23.2
2	Accidents Except Poisoning by Psychoactive Substance	34	15.7	22	18.6	12	12.1
3	Congenital Malformations, Deformations	23	10.6	10	8.5	13	13.1
4	Assault (homicide)	20	9.2	14	11.9	6	6.1
5	Diseases of Heart	7	3.2	3	2.5	4	4.0
6	Chronic Lower Respiratory Diseases	6	2.8	5	4.2	1	1.0
6	Covid-19	5	2.3	3	2.5	2	2.0
	All Other Causes	85	39.2	47	39.8	38	38.4
	Total	**217**	**100.0**	**118**	**100.0**	**99**	**100.0**
Rank	15 - 24 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Use Of Poisoning By Psychoactive Substance	90	17.1	56	15.2	34	21.4
2	Accidents Except Poisoning By Psychoactive Substance	85	16.1	67	18.2	18	11.3
3	Intentional Self-Harm (Suicide)	80	15.2	57	15.5	23	14.5
4	Assault (Homicide)	71	13.5	63	17.1	8	5.0
4	Malignant Neoplasms	48	9.1	24	6.5	24	15.1
6	Diseases Of Heart	19	3.6	12	3.3	7	4.4
7	Congenital Malformations, Deformations	11	2.1	6	1.6	5	3.1
8	Chronic Lower Respiratory Diseases	7	1.3	6	1.6	1	0.6
9	Diabetes Mellitus	6	1.1	5	1.4	1	0.6
10	Septicemia	6	1.1	3	0.8	3	1.9
	All Other Causes	104	19.7	69	18.8	35	22.0
	Total	**527**	**100.0**	**368**	**100.0**	**159**	**100.0**
Rank	25 - 34 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Use Of Poisoning By Psychoactive Substance	445	34.1	328	36.0	117	29.8
2	Assault (Homicide)	112	8.6	102	11.2	10	2.5
3	Intentional Self-Harm (Suicide)	105	8.1	72	7.9	33	8.4
4	Malignant Neoplasms	94	7.2	49	5.4	45	11.5
5	Accidents Except Poisoning By Psychoactive Substance	93	7.1	75	8.2	18	4.6
6	Diseases Of Heart	70	5.4	41	4.5	29	7.4
7	Human Immunodeficiency Virus Disease	27	2.1	23	2.5	4	1.0
8	Mental Disorders Due To Use Of Alcohol	27	2.1	23	2.5	4	1.0
9	Diabetes Mellitus	23	1.8	13	1.4	10	2.5
10	Cerebrovascular Disease	19	1.5	12	1.3	7	1.8
	All Other Causes	289	22.2	173	19.0	116	29.5
	Total	**1,304**	**100.0**	**911**	**100.0**	**393**	**100.0**
Rank	35-44 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Use Of Poisoning By Psychoactive Substance	671	30.7	510	33.4	161	24.5
2	Malignant Neoplasms	270	12.4	108	7.1	162	24.7
3	Diseases Of Heart	227	10.4	175	11.5	52	7.9
4	Accidents Except Poisoning By Psychoactive Substance	106	4.9	84	5.5	22	3.3
5	Intentional Self-Harm (Suicide)	102	4.7	76	5.0	26	4.0
6	Mental Disorders Due To Use Of Alcohol	92	4.2	72	4.7	20	3.0
7	Assault (Homicide)	83	3.8	71	4.6	12	1.8
8	Chronic Liver Disease And Cirrhosis	63	2.9	45	2.9	18	2.7
9	Cerebrovascular Disease	54	2.5	42	2.7	12	1.8
10	Diabetes Mellitus	53	2.4	37	2.4	16	2.4
	All Other Causes	464	21.2	308	20.2	156	23.7
	Total	**2,185**	**100.0**	**1,528**	**100.0**	**657**	**100.0**

Table is continued on following page

Table M7. Leading Causes of Death by Age Group and Sex, New York City, 2023 [CONTINUED]

		All		Male		Female	
Rank	**45 - 54 YEARS**	**Deaths**	**Percent**	**Deaths**	**Percent**	**Deaths**	**Percent**
1	Malignant Neoplasms	780	22.2	325	14.5	455	36.1
2	Diseases Of Heart	642	18.3	464	20.6	178	14.1
3	Use Of Poisoning By Psychoactive Substance	631	18.0	479	21.3	152	12.1
4	Chronic Liver Disease And Cirrhosis	131	3.7	91	4.0	40	3.2
5	Mental Disorders Due To Use Of Alcohol	119	3.4	102	4.5	17	1.3
6	Accidents Except Poisoning By Psychoactive Substance	113	3.2	97	4.3	16	1.3
7	Diabetes Mellitus	103	2.9	72	3.2	31	2.5
8	Cerebrovascular Disease	100	2.8	54	2.4	46	3.6
9	Intentional Self-Harm (Suicide)	82	2.3	62	2.8	20	1.6
10	Septicemia	63	1.8	33	1.5	30	2.4
	All Other Causes	746	21.3	470	20.9	276	21.9
	Total	**3,510**	**100.0**	**2,249**	**100.0**	**1,261**	**100.0**
Rank	**55 - 64 YEARS**	**Deaths**	**Percent**	**Deaths**	**Percent**	**Deaths**	**Percent**
1	Malignant Neoplasms	2,071	26.9	1,078	21.9	993	35.7
2	Diseases Of Heart	1,893	24.6	1,344	27.3	549	19.7
3	Use Of Poisoning By Psychoactive Substance	908	11.8	706	14.4	202	7.3
4	Diabetes Mellitus	259	3.4	163	3.3	96	3.4
5	Cerebrovascular Disease	207	2.7	130	2.6	77	2.8
6	Accidents Except Poisoning By Psychoactive Substance	168	2.2	138	2.8	30	1.1
7	Chronic Lower Respiratory Diseases	152	2.0	75	1.5	77	2.8
8	Influenza And Pneumonia	140	1.8	82	1.7	58	2.1
9	Chronic Liver Disease And Cirrhosis	138	1.8	98	2.0	40	1.4
10	Septicemia	131	1.7	72	1.5	59	2.1
	All Other Causes	1,635	21.2	1,032	21.0	603	21.7
	Total	**7,702**	**100.0**	**4,918**	**100.0**	**2,784**	**100.0**
Rank	**65 - 74 YEARS**	**Deaths**	**Percent**	**Deaths**	**Percent**	**Deaths**	**Percent**
1	Malignant Neoplasms	3,108	29.2	1,641	26.2	1,467	33.5
2	Diseases Of Heart	3,089	29.0	1,984	31.7	1,105	25.3
3	Diabetes Mellitus	382	3.6	209	3.3	173	4.0
4	Cerebrovascular Disease	346	3.3	206	3.3	140	3.2
5	Use Of Poisoning By Psychoactive Substance	326	3.1	257	4.1	69	1.6
6	Chronic Lower Respiratory Diseases	297	2.8	151	2.4	146	3.3
7	Influenza And Pneumonia	268	2.5	169	2.7	99	2.3
8	Septicemia	231	2.2	136	2.2	95	2.2
9	Accidents Except Poisoning By Psychoactive Substance	214	2.0	139	2.2	75	1.7
10	Essential Hypertension And Renal Diseases	197	1.9	105	1.7	92	2.1
	All Other Causes	2,185	20.5	1,271	20.3	914	20.9
	Total	**10,643**	**100.0**	**6,268**	**100.0**	**4,375**	**100.0**
Rank	**75 - 84 YEARS**	**Deaths**	**Percent**	**Deaths**	**Percent**	**Deaths**	**Percent**
1	Diseases Of Heart	3,984	30.8	2,064	31.7	1,920	29.9
2	Malignant Neoplasms	3,046	23.5	1,521	23.4	1,525	23.7
3	Cerebrovascular Disease	570	4.4	254	3.9	316	4.9
4	Chronic Lower Respiratory Diseases	448	3.5	189	2.9	259	4.0
5	Influenza And Pneumonia	418	3.2	223	3.4	195	3.0
6	Diabetes Mellitus	416	3.2	211	3.2	205	3.2
7	Essential Hypertension And Renal Diseases	342	2.6	172	2.6	170	2.6
8	Septicemia	295	2.3	148	2.3	147	2.3
9	Accidents Except Poisoning By Psychoactive Substance	231	1.8	132	2.0	99	1.5
10	Nephritis, Nephrotic Syndrome And Nephrosis	229	1.8	110	1.7	119	1.9
	All Other Causes	2,963	22.9	1,486	22.8	1,477	23.0
	Total	**12,942**	**100.0**	**6,510**	**100.0**	**6,432**	**100.0**
Rank	**≥85 YEARS**	**Deaths**	**Percent**	**Deaths**	**Percent**	**Deaths**	**Percent**
1	Diseases Of Heart	5,830	36.4	2,176	36.7	3,654	36.3
2	Malignant Neoplasms	1,888	11.8	849	14.3	1,039	10.3
3	Cerebrovascular Disease	899	5.6	266	4.5	633	6.3
4	Alzheimer's Disease	587	3.7	142	2.4	445	4.4
5	Influenza And Pneumonia	537	3.4	229	3.9	308	3.1
6	Essential Hypertension And Renal Diseases	528	3.3	174	2.9	354	3.5
7	Chronic Lower Respiratory Diseases	495	3.1	179	3.0	316	3.1
8	Covid-19	397	2.5	166	2.8	231	2.3
9	Diabetes Mellitus	379	2.4	147	2.5	232	2.3
10	Accidents Except Poisoning By Psychoactive Substance	305	1.9	127	2.1	178	1.8
	All Other Causes	4,170	26.0	1,482	25.0	2,688	26.7
	Total	**16,015**	**100.0**	**5,937**	**100.0**	**10,078**	**100.0**

Table M8. Leading Causes of Death by Racial/Ethnic Group* and Sex, New York City, 2023

		All		Male		Female	
Rank	Puerto Rican	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Diseases of Heart	1,287	26.2	616	25.0	671	27.3
2	Malignant Neoplasms	817	16.6	413	16.8	404	16.4
3	Use of Poisoning by Psychoactive Substance	422	8.6	308	12.5	114	4.6
4	Cerebrovascular Disease	205	4.2	83	3.4	122	5.0
5	Diabetes Mellitus	195	4.0	95	3.9	100	4.1
6	Chronic Lower Respiratory Diseases	157	3.2	70	2.8	87	3.5
7	Influenza and Pneumonia	145	2.9	69	2.8	76	3.1
8	Alzheimer's Disease	118	2.4	33	1.3	85	3.5
9	Accidents Except Poisoning By Psychoactive Substance	112	2.3	82	3.3	30	1.2
10	Essential Hypertension and Renal Diseases	112	2.3	49	2.0	63	2.6
	All Other Causes	1,350	27.4	646	26.2	704	28.7
	Total	**4,920**	**100.0**	**2,464**	**100.0**	**2,456**	**100.0**
Rank	**Hispanic/Latino not of Puerto Rican ancestry**	**Deaths**	**Percent**	**Deaths**	**Percent**	**Deaths**	**Percent**
1	Diseases of Heart	1,636	22.4	944	22.3	692	22.5
2	Malignant Neoplasms	1,362	18.6	666	15.8	696	22.6
3	Use of Poisoning by Psychoactive Substance	679	9.3	560	13.3	119	3.9
4	Cerebrovascular Disease	313	4.3	152	3.6	161	5.2
5	Accidents Except Poisoning By Psychoactive Substance	265	3.6	206	4.9	59	1.9
6	Diabetes Mellitus	204	2.8	124	2.9	80	2.6
7	Chronic Liver Disease and Cirrhosis	176	2.4	141	3.3	35	1.1
8	Influenza and Pneumonia	167	2.3	88	2.1	79	2.6
9	Essential Hypertension and Renal Diseases	152	2.1	74	1.8	78	2.5
10	Septicemia	147	2.0	72	1.7	75	2.4
	All Other Causes	2,203	30.2	1,198	28.4	1,005	32.6
	Total	**7,304**	**100.0**	**4,225**	**100.0**	**3,079**	**100.0**
Rank	**Asian and Pacific Islander**	**Deaths**	**Percent**	**Deaths**	**Percent**	**Deaths**	**Percent**
1	Diseases of Heart	1,428	26.7	792	27.2	636	26.0
2	Malignant Neoplasms	1,347	25.1	697	24.0	650	26.6
3	Cerebrovascular Disease	261	4.9	124	4.3	137	5.6
4	Influenza and Pneumonia	175	3.3	111	3.8	64	2.6
5	Diabetes Mellitus	170	3.2	88	3.0	82	3.4
6	Accidents Except Poisoning By Psychoactive Substance	161	3.0	91	3.1	70	2.9
7	Essential Hypertension and Renal Diseases	130	2.4	71	2.4	59	2.4
8	Covid-19	113	2.1	61	2.1	52	2.1
9	Chronic Lower Respiratory Diseases	103	1.9	72	2.5	31	1.3
10	Septicemia	94	1.8	56	1.9	38	1.6
	All Other Causes	1,375	25.7	747	25.7	628	25.7
	Total	**5,357**	**100.0**	**2,910**	**100.0**	**2,447**	**100.0**
Rank	**Non-Hispanic/Latino White**	**Deaths**	**Percent**	**Deaths**	**Percent**	**Deaths**	**Percent**
1	Diseases of Heart	6,487	30.8	3,351	30.9	3,136	30.7
2	Malignant Neoplasms	4,709	22.4	2,436	22.5	2,273	22.3
3	Cerebrovascular Disease	751	3.6	335	3.1	416	4.1
4	Use of Poisoning by Psychoactive Substance	721	3.4	551	5.1	170	1.7
5	Chronic Lower Respiratory Diseases	683	3.2	257	2.4	426	4.2
6	Influenza and Pneumonia	578	2.7	310	2.9	268	2.6
7	Accidents Except Poisoning By Psychoactive Substance	485	2.3	286	2.6	199	2.0
8	Diabetes Mellitus	444	2.1	251	2.3	193	1.9
9	Essential Hypertension and Renal Diseases	402	1.9	193	1.8	209	2.0
10	Covid-19	380	1.8	180	1.7	200	2.0
	All Other Causes	5,406	25.7	2,696	24.9	2,710	26.6
	Total	**21,046**	**100.0**	**10,846**	**100.0**	**10,200**	**100.0**
Rank	**Non-Hispanic/Latino Black**	**Deaths**	**Percent**	**Deaths**	**Percent**	**Deaths**	**Percent**
1	Diseases of Heart	4,426	29.2	2,243	29.6	2,183	28.7
2	Malignant Neoplasms	2,880	19.0	1,269	16.8	1,611	21.2
3	Use of Poisoning by Psychoactive Substance	1,107	7.3	802	10.6	305	4.0
4	Cerebrovascular Disease	606	4.0	246	3.2	360	4.7
5	Diabetes Mellitus	542	3.6	262	3.5	280	3.7
6	Essential Hypertension and Renal Diseases	402	2.6	154	2.0	248	3.3
7	Chronic Lower Respiratory Diseases	359	2.4	160	2.1	199	2.6
8	Influenza and Pneumonia	358	2.4	163	2.2	195	2.6
9	Septicemia	338	2.2	157	2.1	181	2.4
10	Accidents Except Poisoning By Psychoactive Substance	277	1.8	178	2.4	99	1.3
	All Other Causes	3,879	25.6	1,937	25.6	1,942	25.5
	Total	**15,174**	**100.0**	**7,571**	**100.0**	**7,603**	**100.0**

* Decedents of other or multiple races, or with unknown race/ethnicity, are not shown.

Table M9. Leading Causes of Premature Death (Age <65 Years), Overall and by Sex, New York City, 2023

		All		Male		Female	
Rank	Cause of Death	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	3,300	20.8	1,598	15.5	1,702	30.7
	Trachea, bronchus, and lung	422	2.7	234	2.3	188	3.4
	Colon, rectum, and anus	361	2.3	210	2.0	151	2.7
	Breast	343	2.2	3	-	340	6.1
	Lymphoid, hematopoietic and related tissue	306	1.9	188	1.8	118	2.1
	Pancreas	288	1.8	159	1.5	129	2.3
2	Diseases of Heart	2,863	18.1	2,041	19.8	822	14.8
3	Use of or Poisoning by Psychoactive Substance	2,747	17.3	2,079	20.1	668	12.1
4	Accidents Except Poisoning by Psychoactive substance	605	3.8	485	4.7	120	2.2
5	Intentional self-harm(Suicide)	460	2.9	328	3.2	132	2.4
6	Diabetes Mellitus	444	2.8	290	2.8	154	2.8
7	Cerebrovascular Disease	385	2.4	239	2.3	146	2.6
8	Assault (Homicide)	380	2.4	326	3.2	54	1.0
9	Mental Disorders Due to Use of Alcohol	352	2.2	283	2.7	69	1.2
10	Chronic Liver Disease and Cirrhosis	350	2.2	249	2.4	101	1.8
	All Other Causes	3,973	25.1	2,402	23.3	1,571	28.4
	Total	**15,859**	**100**	**10,320**	**100**	**5,539**	**100**

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, 2023

		All		Male		Female	
Rank	Puerto Rican	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Use of Poisoning by Psychoactive Substance	366	26.7	262	29.3	104	21.8
2	Diseases of Heart	246	17.9	167	18.7	79	16.6
3	Malignant Neoplasms	211	15.4	113	12.6	98	20.5
4	Accidents Except Poisoning By Psychoactive Substance	46	3.4	40	4.5	6	1.3
5	Diabetes Mellitus	42	3.1	25	2.8	17	3.6
6	Chronic Liver Disease and Cirrhosis	34	2.5	20	2.2	14	2.9
7	Chronic Lower Respiratory Diseases	33	2.4	18	2.0	15	3.1
8	Septicemia	27	2.0	18	2.0	9	1.9
9	Cerebrovascular Disease	26	1.9	17	1.9	9	1.9
10	Human Immunodeficiency Virus Disease	24	1.8	15	1.7	9	1.9
10	Intentional Self-Harm (Suicide)	24	1.8	19	2.1	5	1.0
	All Other Causes	292	21.3	180	20.1	112	23.5
	Total	**1,371**	**100.0**	**894**	**100.0**	**477**	**100.0**
Rank	**Hispanic/Latino not of Puerto Rican ancestry**	**Deaths**	**Percent**	**Deaths**	**Percent**	**Deaths**	**Percent**
1	Use of Poisoning by Psychoactive Substance	635	20.4	525	23.9	110	12.1
2	Malignant Neoplasms	529	17.0	249	11.3	280	30.7
3	Diseases of Heart	437	14.1	322	14.7	115	12.6
4	Accidents Except Poisoning By Psychoactive Substance	192	6.2	165	7.5	27	3.0
5	Chronic Liver Disease and Cirrhosis	147	4.7	126	5.7	21	2.3
6	Intentional Self-Harm (Suicide)	103	3.3	79	3.6	24	2.6
7	Assault (Homicide)	100	3.2	88	4.0	12	1.3
8	Mental Disorders Due to Use of Alcohol	94	3.0	88	4.0	6	0.7
9	Cerebrovascular Disease	87	2.8	60	2.7	27	3.0
10	Diabetes Mellitus	67	2.2	49	2.2	18	2.0
	All Other Causes	717	23.1	446	20.3	271	29.7
	Total	**3,108**	**100.0**	**2,197**	**100.0**	**911**	**100.0**
Rank	**Asian and Pacific Islander**	**Deaths**	**Percent**	**Deaths**	**Percent**	**Deaths**	**Percent**
1	Malignant Neoplasms	427	36.1	203	27.4	224	50.6
2	Diseases of Heart	208	17.6	160	21.6	48	10.8
3	Accidents Except Poisoning By Psychoactive Substance	55	4.6	42	5.7	13	2.9
4	Intentional Self-Harm (Suicide)	53	4.5	32	4.3	21	4.7
5	Use of Poisoning by Psychoactive Substance	51	4.3	42	5.7	9	2.0
5	Cerebrovascular Disease	49	4.1	30	4.0	19	4.3
7	Congenital Malformations, Deformations	26	2.2	10	1.3	16	3.6
8	Diabetes Mellitus	22	1.9	13	1.8	9	2.0
9	Septicemia	20	1.7	12	1.6	8	1.8
10	Chronic Liver Disease and Cirrhosis**	17	1.4	16	2.2	1	0.2
10	Mental Disorders Due to Use of Alcohol**	17	1.4	14	1.9	3	0.7
	All Other Causes	239	20.2	167	22.5	72	16.3
	Total	**1,184**	**100.0**	**741**	**100.0**	**443**	**100.0**
Rank	**Non-Hispanic/Latino White**	**Deaths**	**Percent**	**Deaths**	**Percent**	**Deaths**	**Percent**
1	Malignant Neoplasms	1,034	26.2	559	21.2	475	36.1
2	Diseases of Heart	664	16.8	512	19.4	152	11.6
3	Use of Poisoning by Psychoactive Substance	660	16.7	508	19.3	152	11.6
4	Intentional Self-Harm (Suicide)	157	4.0	110	4.2	47	3.6
5	Accidents Except Poisoning By Psychoactive Substance	131	3.3	101	3.8	30	2.3
6	Mental Disorders Due to Use of Alcohol	116	2.9	84	3.2	32	2.4
7	Diabetes Mellitus	101	2.6	75	2.8	26	2.0
8	Chronic Liver Disease and Cirrhosis	93	2.4	58	2.2	35	2.7
9	Cerebrovascular Disease	66	1.7	43	1.6	23	1.7
10	Influenza and Pneumonia	64	1.6	40	1.5	24	1.8
	All Other Causes	866	21.9	547	20.7	319	24.3
	Total	**3,952**	**100.0**	**2,637**	**100.0**	**1,315**	**100.0**
Rank	**Non-Hispanic/Latino Black**	**Deaths**	**Percent**	**Deaths**	**Percent**	**Deaths**	**Percent**
1	Diseases of Heart	1,191	21.1	784	22.9	407	18.3
2	Malignant Neoplasms	1,020	18.1	428	12.5	592	26.6
3	Use of Poisoning by Psychoactive Substance	935	16.6	666	19.5	269	12.1
4	Assault (Homicide)	214	3.8	188	5.5	26	1.2
5	Diabetes Mellitus	195	3.5	115	3.4	80	3.6
6	Accidents Except Poisoning By Psychoactive Substance	159	2.8	121	3.5	38	1.7
7	Cerebrovascular Disease	147	2.6	83	2.4	64	2.9
8	Chronic Lower Respiratory Diseases	111	2.0	55	1.6	56	2.5
9	Human Immunodeficiency Virus Disease	97	1.7	66	1.9	31	1.4
9	Intentional Self-Harm (Suicide)	97	1.7	68	2.0	29	1.3
	All Other Causes	1,477	26.2	844	24.7	633	28.4
	Total	**5,643**	**100.0**	**3,418**	**100.0**	**2,225**	**100.0**

*Decedents of other or multiple races, or with unknown race/ethnicity, are not shown.
**Tied Ranks.

Table M11. Deaths and Death Rates per 100,000 Population from Selected Underlying Causes, Overall and by Racial/Ethnic Group* and Sex, New York City, 2023

Cause of Death	Total			Racial/Ethnic Group												Sex					
				Hispanic/Latino			Non-Hispanic/Latino White			Non-Hispanic/Latino Black			Asian & Pacific Islander			Other/ 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†	**55,459**	**6.7**	**5.8**	**12,224**	**5.2**	**5.0**	**21,046**	**8.0**	**5.2**	**15,174**	**8.5**	**6.7**	**5357**	**4.1**	**3.3**	**1,658**	**29,035**	**7.3**	**6.5**	**26,424**	**6.1**	**4.3**
Natural Causes	**49,766**	**602.8**	**466.6**	**10,422**	**444**	**422.5**	**19,500**	**740**	**467.4**	**13,417**	**749.5**	**581.6**	**5,036**	**387.2**	**305.7**	**1,401**	**24,871**	**627.8**	**554.6**	**24,905**	**579.6**	**395.5**
Human Immunodeficiency Virus (HIV) Disease	275	3.3	2.9	86	3.7	3.5	27	1.0	0.8	147	8.2	7.0	2	0.2	0.1	13	207	5.2	4.6	68	1.6	1.4
Malignant Neoplasms	11,342	137.3	107.9	2,179	92.8	87.1	4,709	178.7	120.6	2,880	160.9	124.0	1,347	103.6	81.4	227	5,609	141.6	122.7	5,733	133.4	97.6
Malignant neoplasm of stomach	359	4.3	3.5	98	4.2	3.9	94	3.6	2.5	85	4.7	3.6	78	6.0	4.7	4	217	5.5	4.8	142	3.3	2.5
Malignant neoplasms of colon, rectum, and anus	1,042	12.6	10.0	179	7.6	7.2	441	16.7	11.7	282	15.8	12.2	117	9.0	7.1	23	563	14.2	12.3	479	11.1	8.1
Malignant neoplasm of pancreas	1,071	13.0	10.1	218	9.3	8.7	485	18.4	12.2	232	13.0	9.8	117	9.0	6.9	19	530	13.4	11.5	541	12.6	9.0
Malignant neoplasms of trachea, bronchus, and lung (male)	1,018	25.7	22.0	153	13.5	14.6	427	33.0	23.4	236	28.7	25.1	175	28.3	22.8	27	1,018	25.7	22.0	-	-	-
Malignant neoplasms of trachea, bronchus, and lung (female)	920	21.4	15.1	127	10.5	8.6	431	32.2	19.2	229	23.7	16.3	118	17.3	13.1	15	-	-	-	920	21.4	15.1
Malignant neoplasm of breast (female)	837	19.5	14.8	161	13.3	11.4	299	22.3	15.0	277	28.6	21.5	81	11.9	9.2	19	-	-	-	837	19.5	14.8
Malignant neoplasm of cervix uteri (female)	106	2.5	2.0	28	2.3	2.1	24	1.8	1.3	36	3.7	2.8	14	2.1	1.6	4	-	-	-	106	2.5	2.0
Malignant neoplasm of ovary (female)	301	7.0	5.3	53	4.4	3.7	130	9.7	6.5	70	7.2	5.2	40	5.9	4.5	8	-	-	-	301	7.0	5.3
Malignant neoplasm of prostate (male)	594	15.0	13.0	112	9.9	11.5	228	17.6	12.1	218	26.5	24.4	26	4.2	3.5	10	594	15.0	13.0	-	-	-
Leukemia	427	5.2	4.1	85	3.6	3.4	217	8.2	5.6	76	4.2	3.4	44	3.4	2.6	5	240	6.1	5.3	187	4.4	3.2
Diabetes Mellitus	1,621	19.6	15.3	399	17.0	16.1	444	16.8	11.3	542	30.3	23.7	170	13.1	10.1	66	857	21.6	19.0	764	17.8	12.3
Parkinson's Disease	448	5.4	3.9	92	3.9	3.8	228	8.7	5.0	59	3.3	2.4	61	4.7	3.6	8	271	6.8	6.0	177	4.1	2.6
Alzheimer's Disease	874	10.6	7.6	246	10.5	10.2	361	13.7	7.6	168	9.4	6.9	84	6.5	5.1	15	268	6.8	6.1	606	14.1	8.4
Diseases of Heart	15,766	190.9	144.8	2,923	124.5	118.3	6,487	246.2	148.6	4,426	247.2	188.0	1,428	109.8	86.0	502	8,265	208.6	183.7	7,501	174.6	113.4
Hypertensive heart disease	2,178	26.4	20.2	459	19.6	18.6	786	29.8	18.1	688	38.4	29.5	171	13.1	10.3	74	1,044	26.4	23.3	1,134	26.4	17.2
Chronic ischemic heart diseases	9,599	116.2	87.7	1,670	71.2	67.5	4,106	155.8	93.9	2,610	145.8	110.0	895	68.8	53.7	318	5,183	130.8	114.9	4,416	102.8	66.2
Acute myocardial infarction	1,399	16.9	12.9	268	11.4	10.8	595	22.6	13.7	358	20.0	15.2	141	10.8	8.6	37	769	19.4	17.0	630	14.7	9.5
Essential (Primary) Hypertension and Hypertensive Renal Disease	1,236	15.0	11.2	264	11.2	10.7	402	15.3	9.0	402	22.5	16.9	130	10.0	7.8	38	563	14.2	12.5	673	15.7	10.0
Cerebrovascular Diseases	2,200	26.6	20.2	518	22.1	21.1	751	28.5	16.9	606	33.9	25.8	261	20.1	15.7	64	965	24.4	21.5	1,235	28.7	18.7
Influenza and Pneumonia	1,465	17.7	13.5	312	13.3	12.7	578	21.9	13.4	358	20.0	15.3	175	13.5	10.3	42	769	19.4	17.1	696	16.2	10.8
Chronic Lower Respiratory Diseases	1,486	18.0	13.7	302	12.9	12.2	683	25.9	15.6	359	20.1	15.6	103	7.9	6.2	39	645	16.3	14.4	841	19.6	13.1
Asthma	154	1.9	1.6	57	2.4	2.3	20	0.8	0.6	64	3.6	3.2	6	0.5	0.4	7	64	1.6	1.6	90	2.1	1.7
Chronic Liver Disease and Cirrhosis	544	6.6	5.6	240	10.2	9.7	169	6.4	5.1	72	4.0	3.3	34	2.6	2.1	29	363	9.2	8.2	181	4.2	3.4
COVID-19	849	10.3	7.7	172	7.3	7.0	380	14.4	8.5	170	9.5	7.4	113	8.7	6.8	14	395	10.0	9.0	454	10.6	6.9
External Causes	**5,683**	**68.8**	**63.2**	**1,802**	**76.8**	**74.9**	**1,546**	**58.7**	**50.5**	**1,757**	**98.2**	**89.2**	**321**	**24.7**	**22.1**	**257**	**4,164**	**105.1**	**98.4**	**1,519**	**35.4**	**31.0**
Motor Vehicle Accidents	288	3.5	3.3	102	4.3	4.3	74	2.8	2.6	64	3.6	3.5	37	2.8	2.7	11	215	5.4	5.3	73	1.7	1.5
Falls	601	7.3	5.6	144	6.1	5.9	273	10.4	6.3	81	4.5	3.6	79	6.1	4.8	24	354	8.9	8.0	247	5.7	3.7
Intentional Self-harm (Suicide)	547	6.6	6.4	138	5.9	5.9	210	8.0	7.1	103	5.8	5.9	63	4.8	4.8	33	387	9.8	9.4	160	3.7	3.6
Assault (Homicide)	406	4.9	5.0	131	5.6	5.6	30	1.1	1.1	223	12.5	13.0	8	0.6	0.5	14	343	8.7	8.7	63	1.5	1.5
Events of Undetermined Intent	267	3.2	3.1	63	2.7	2.7	103	3.9	3.6	49	2.7	2.6	26	2.0	1.9	26	204	5.1	4.9	63	1.5	1.4
Mental and Behavioral Disorders Due to Use of or Accidental Poisoning by Psychoactive Substances, Excluding Alcohol	3,112	37.7	34.9	1,101	46.9	45.4	721	27.4	25.8	1,107	61.8	54.0	52	4.0	3.9	131	2,363	59.7	55.1	749	17.4	16.3
Accidents Except Drug Poisoning	1,355	16.4	14.0	377	16.1	15.7	485	18.4	13.0	277	15.5	13.8	161	12.4	10.4	55	883	22.3	20.7	472	11.0	8.0

* 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 the 2023 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, 2023

Community District of Residence	2023 Pop. Est.	All Causes (Rate per 1,000) No.	All Causes (Rate per 1,000) Crude Rate	All Causes (Rate per 1,000) Age-Adj. Rate	Heart Diseases No.	Heart Diseases Crude Rate	Malignant Neoplasms No.	Malignant Neoplasms Crude Rate	HIV Disease No.	HIV Disease Crude Rate	Influenza and Pneumonia No.	Influenza and Pneumonia Crude Rate	Cerebro-vascular Diseases No.	Cerebro-vascular Diseases Crude Rate	Chronic Lower Respiratory Diseases No.	Chronic Lower Respiratory Diseases Crude Rate	Chronic Liver Disease & Cirrhosis No.	Chronic Liver Disease & Cirrhosis Crude Rate	Diabetes Mellitus No.	Diabetes Mellitus Crude Rate	Mental Disorders due to Substance Use & Accidental Poisoning No.	Mental Disorders due to Substance Use & Accidental Poisoning Crude Rate	Accidents Except Drug Poisoning No.	Accidents Except Drug Poisoning Crude Rate	Intentional Self-harm (Suicide) No.	Intentional Self-harm (Suicide) Crude Rate	Assault (Homicide)† No.	Assault (Homicide)† Crude Rate	Events of Undeter-mined Intent No.	Events of Undeter-mined Intent Crude Rate
ALL DEATH EVENTS	**8,258,035**	**55,459**	**6.7**	**5.3**	**15,766**	**190.9**	**11,342**	**137.3**	**275**	**3.3**	**1,465**	**17.7**	**2,200**	**26.6**	**1,486**	**18.0**	**544**	**6.6**	**1,621**	**19.6**	**3,112**	**37.7**	**1,355**	**16.4**	**547**	**6.6**	**406**	**4.9**	**267**	**3.2**
MANHATTAN‡	**1,586,671**	**9,486**	**6.0**	**4.3**	**2,407**	**151.7**	**1,942**	**122.4**	**53**	**3.3**	**179**	**11.3**	**403**	**25.4**	**280**	**17.6**	**78**	**4.9**	**215**	**13.6**	**503**	**31.7**	**234**	**14.7**	**126**	**7.9**	**56**	**3.5**	**35**	**2.2**
Battery Park, Tribeca (01)	59,783	170	2.8	3.3	37	61.9	32	53.5	1	1.7	4	6.7	10	16.7	6	10.0	3	5.0	-	-	7	11.7	7	11.7	5	8.4	1	1.7	2	3.3
Greenwich Village, SOHO (02)	87,066	387	4.4	3.2	88	101.1	102	117.2	2	2.3	4	4.6	17	19.5	8	9.2	3	3.4	8	9.2	8	9.2	11	12.6	8	9.2	-	-	-	-
Lower East Side (03)	168,373	1,180	7.0	4.4	324	192.4	225	133.6	5	3.0	28	16.6	55	32.7	19	11.3	10	5.9	37	22.0	65	38.6	33	19.6	19	11.3	3	1.8	4	2.4
Chelsea, Clinton (04)	140,771	578	4.1	3.3	149	105.8	116	82.4	4	2.8	13	9.2	21	14.9	18	12.8	9	6.4	11	7.8	39	27.7	13	9.2	15	10.7	1	0.7	5	3.6
Midtown Business District (05)	59,358	222	3.7	3.1	54	91.0	51	85.9	2	3.4	5	8.4	9	15.2	10	16.8	3	5.1	1	1.7	16	27.0	6	10.1	6	10.1	-	-	-	-
Murray Hill (06)	138,400	713	5.2	3.2	162	117.1	167	120.7	2	1.4	8	5.8	40	28.9	24	17.3	2	1.4	12	8.7	18	13.0	26	18.8	10	7.2	-	-	3	2.2
Upper West Side (07)	205,138	1,399	6.8	4.0	363	177.0	290	141.4	8	3.9	28	13.6	60	29.2	46	22.4	10	4.9	22	10.7	59	28.8	31	15.1	14	6.8	6	2.9	3	1.5
Upper East Side (08)	217,152	1,328	6.1	3.5	339	156.1	335	154.3	3	1.4	19	8.7	55	25.3	42	19.3	7	3.2	22	10.1	22	10.1	27	12.4	15	6.9	-	-	6	2.8
Manhattanville (09)	103,650	578	5.6	4.9	167	161.1	101	97.4	6	5.8	13	12.5	28	27.0	11	10.6	4	3.9	14	13.5	40	38.6	11	10.6	5	4.8	5	4.8	1	1.0
Central Harlem (10)	111,298	859	7.7	7.5	227	204.0	137	123.1	15	13.5	18	16.2	28	25.2	30	27.0	3	2.7	37	33.2	75	67.4	19	17.1	8	7.2	19	17.1	6	5.4
East Harlem (11)	116,559	1,021	8.8	7.3	271	232.5	169	145.0	2	1.7	28	24.0	25	21.4	33	28.3	9	7.7	31	26.6	86	73.8	19	16.3	6	5.1	11	9.4	3	2.6
Washington Heights (12)	179,098	1,051	5.9	4.5	226	126.2	217	121.2	3	1.7	11	6.1	55	30.7	33	18.4	15	8.4	20	11.2	68	38.0	31	17.3	15	8.4	10	5.6	2	1.1
BRONX‡	**1,363,085**	**9,727**	**7.1**	**6.2**	**2,646**	**194.1**	**1,709**	**125.4**	**112**	**8.2**	**265**	**19.4**	**454**	**33.3**	**277**	**20.3**	**103**	**7.6**	**313**	**23.0**	**865**	**63.5**	**219**	**16.1**	**74**	**5.4**	**118**	**8.7**	**25**	**1.8**
Mott Haven (01)	91,287	733	8.0	7.9	179	196.1	108	118.3	7	7.7	20	21.9	34	37.2	21	23.0	14	15.3	23	25.2	90	98.6	16	17.5	10	11.0	11	12.0	2	2.2
Hunts Point (02)	51,918	351	6.8	6.7	77	148.3	56	107.9	5	9.6	7	13.5	17	32.7	14	27.0	6	11.6	13	25.0	59	113.6	9	17.3	5	9.6	7	13.5	-	-
Morrisania (03)	84,708	646	7.6	7.9	141	166.5	127	149.9	17	20.1	18	21.2	19	22.4	12	14.2	4	4.7	20	23.6	92	108.6	17	20.1	5	5.9	13	15.3	-	-
Concourse, Highbridge (04)	145,226	961	6.6	6.5	251	172.8	177	121.9	15	10.3	38	26.2	37	25.5	18	12.4	10	6.9	26	17.9	97	66.8	20	13.8	5	3.4	10	6.9	3	2.1
University/Morris Heights (05)	125,137	732	5.8	6.5	163	130.3	123	98.3	17	13.6	23	18.4	35	28.0	23	18.4	12	9.6	21	16.8	99	79.1	10	8.0	3	2.4	12	9.6	4	3.2
East Tremont (06)	80,605	628	7.8	8.3	155	192.3	98	121.6	11	13.6	14	17.4	23	28.5	21	26.1	5	6.2	21	26.1	83	103.0	16	19.8	4	5.0	9	11.2	2	2.5
Fordham (07)	137,231	902	6.6	6.5	269	196.0	154	112.2	15	10.9	28	20.4	50	36.4	30	21.9	9	6.6	25	18.2	80	58.3	17	12.4	4	2.9	9	6.6	2	1.5
Riverdale (08)	96,614	904	9.4	5.6	300	310.5	154	159.4	3	3.1	22	22.8	44	45.5	22	22.8	6	6.2	25	25.9	34	35.2	17	17.6	4	4.1	6	6.2	1	1.0
Unionport, Soundview (09)	174,974	1,108	6.3	5.5	300	171.5	203	116.0	5	2.9	33	18.9	47	26.9	31	17.7	14	8.0	42	24.0	92	52.6	29	16.6	6	3.4	12	6.9	5	2.9
Throgs Neck (10)	115,804	915	7.9	5.0	283	244.4	186	160.6	4	3.5	14	12.1	51	44.0	32	27.6	9	7.8	37	32.0	24	20.7	17	14.7	8	6.9	8	6.9	1	0.9
Pelham Parkway (11)	109,174	863	7.9	6.0	239	218.9	154	141.1	3	2.7	24	22.0	50	45.8	23	21.1	10	9.2	29	26.6	52	47.6	28	25.6	12	11.0	4	3.7	3	2.7
Williamsbridge (12)	148,622	984	6.6	5.4	289	194.5	169	113.7	10	6.7	24	16.1	47	31.6	30	20.2	4	2.7	31	20.9	63	42.4	23	15.5	8	5.4	17	11.4	2	1.3
BROOKLYN	**2,561,226**	**15,224**	**5.9**	**5.0**	**4,692**	**183.2**	**3,023**	**118.0**	**63**	**2.5**	**536**	**20.9**	**554**	**21.6**	**338**	**13.2**	**148**	**5.8**	**498**	**19.4**	**701**	**27.4**	**342**	**13.4**	**131**	**5.1**	**119**	**4.6**	**82**	**3.2**
Williamsburg, Greenpoint (01)	195,832	718	3.7	4.1	208	106.2	135	68.9	2	1.0	21	10.7	16	8.2	12	6.1	11	5.6	29	14.8	34	17.4	14	7.1	8	4.1	4	2.0	3	1.5
Fort Greene, Brooklyn Heights (02)	132,149	632	4.8	4.2	191	144.5	132	99.9	-	-	15	11.4	23	17.4	18	13.6	3	2.3	26	19.7	46	34.8	11	8.3	5	3.8	5	3.8	-	-
Bedford Stuyvesant (03)	142,231	844	5.9	5.5	251	176.5	141	99.1	8	5.6	26	18.3	32	22.5	19	13.4	9	6.3	30	21.1	52	36.6	21	14.8	11	7.7	14	9.8	4	2.8
Bushwick (04)	105,856	483	4.6	4.9	121	114.3	79	74.6	5	4.7	9	8.5	23	21.7	11	10.4	13	12.3	23	21.7	38	35.9	18	17.0	9	8.5	4	3.8	2	1.9
East New York (05)	167,917	1,300	7.7	7.0	376	223.9	237	141.1	11	6.6	23	13.7	56	33.3	26	15.5	11	6.6	54	32.2	98	58.4	22	13.1	9	5.4	13	7.7	8	4.8
Park Slope (06)	108,659	441	4.1	4.2	114	104.9	97	89.3	5	4.6	15	13.8	20	18.4	11	10.1	2	1.8	10	9.2	19	17.5	17	15.6	5	4.6	2	1.8	1	0.9
Sunset Park (07)	128,279	540	4.2	4.4	125	97.4	128	99.8	1	0.8	21	16.4	24	18.7	14	10.9	12	9.4	20	15.6	23	17.9	15	11.7	9	7.0	4	3.1	3	2.3
Crown Heights North (08)	91,910	596	6.5	5.5	181	196.9	126	137.1	1	1.1	17	18.5	26	28.3	13	14.1	5	5.4	24	26.1	34	37.0	10	10.9	7	7.6	7	7.6	3	3.3
Crown Heights South (09)	94,029	614	6.5	5.0	180	191.4	128	136.1	5	5.3	18	19.1	22	23.4	10	10.6	4	4.3	22	23.4	28	29.8	15	16.0	6	6.4	5	5.3	5	5.3
Bay Ridge (10)	141,733	846	6.0	4.5	234	165.1	196	138.3	-	-	39	27.5	26	18.3	33	23.3	7	4.9	23	16.2	19	13.4	20	14.1	6	4.2	2	1.4	4	2.8
Bensonhurst (11)	205,759	1,180	5.7	4.1	393	191.0	261	126.8	-	-	58	28.2	34	16.5	25	12.2	7	3.4	27	13.1	34	16.5	33	16.0	15	7.3	7	3.4	6	2.9
Borough Park (12)	199,167	823	4.1	4.0	251	126.0	175	87.9	-	-	59	29.6	26	13.1	14	7.0	9	4.5	23	11.5	18	9.0	18	9.0	5	2.5	1	0.5	5	2.5
Coney Island (13)	107,193	1,162	10.8	6.0	469	437.5	194	181.0	1	0.9	38	35.5	34	31.7	22	20.5	12	11.2	24	22.4	44	41.0	20	18.7	2	1.9	3	2.8	5	4.7
Flatbush, Midwood (14)	160,085	891	5.6	4.7	288	179.9	164	102.4	5	3.1	38	23.7	30	18.7	19	11.9	7	4.4	32	20.0	34	21.2	18	11.2	8	5.0	7	4.4	6	3.7
Sheepshead Bay (15)	174,850	1,162	6.6	4.3	431	246.5	245	140.1	2	1.1	44	25.2	48	27.5	28	16.0	10	5.7	19	10.9	28	16.0	19	10.9	7	4.0	4	2.3	13	7.4
Brownsville (16)	77,595	728	9.4	8.4	187	241.0	131	168.8	8	10.3	17	21.9	21	27.1	22	28.4	5	6.4	41	52.8	79	101.8	15	19.3	4	5.2	13	16.8	6	7.7
East Flatbush (17)	144,519	1,007	7.0	5.1	293	202.7	198	137.0	7	4.8	29	20.1	51	35.3	14	9.7	10	6.9	41	28.4	32	22.1	28	19.4	9	6.2	14	9.7	2	1.4
Canarsie (18)	183,366	1,257	6.9	5.4	399	217.6	256	139.6	2	1.1	49	26.7	42	22.9	27	14.7	11	6.0	30	16.4	41	22.4	28	15.3	6	3.3	10	5.5	6	3.3
QUEENS	**2,256,366**	**12,404**	**5.5**	**4.0**	**3,913**	**173.4**	**2,417**	**107.1**	**23**	**1.0**	**307**	**13.6**	**512**	**22.7**	**314**	**13.9**	**113**	**5.0**	**343**	**15.2**	**469**	**20.8**	**314**	**13.9**	**133**	**5.9**	**55**	**2.4**	**58**	**2.6**
Astoria, Long Island City (01)	185,612	915	4.9	4.2	349	188.0	149	80.3	-	-	24	12.9	30	16.6	20	10.8	8	4.3	16	8.6	39	21.0	24	12.9	15	8.1	2	1.1	9	4.8
Sunnyside, Woodside (02)	148,225	452	3.0	2.5	139	93.8	108	72.9	-	-	8	5.4	21	14.2	10	6.7	6	4.0	5	3.4	19	12.8	15	10.1	6	4.0	2	1.3	4	2.7
Jackson Heights (03)	171,606	725	4.2	3.5	192	111.9	134	78.1	2	1.2	26	15.2	28	16.3	13	7.6	13	7.6	16	9.3	31	18.1	25	14.6	15	8.7	6	3.5	4	2.3
Elmhurst, Corona (04)	181,019	724	4.0	3.4	191	105.5	161	88.9	4	2.2	17	9.4	38	21.0	12	6.6	9	5.0	14	7.7	26	14.4	23	12.7	11	6.1	2	1.1	1	0.6
Ridgewood, Glendale (05)	154,274	903	5.9	4.9	264	171.1	207	134.2	-	-	21	13.6	33	21.4	31	20.1	15	9.7	16	10.4	35	22.7	25	16.2	11	7.1	3	1.9	3	1.9
Rego Park, Forest Hills (06)	110,437	730	6.6	3.6	231	209.2	146	132.2	-	-	16	14.5	40	36.2	13	11.8	7	6.3	14	12.7	13	11.8	12	10.9	5	4.5	-	-	2	1.8
Flushing (07)	259,779	1,622	6.2	3.5	508	195.6	328	126.3	2	0.8	58	22.3	79	30.4	59	22.7	10	3.8	37	14.2	41	15.8	48	18.5	19	7.3	5	1.9	6	2.3
Fresh Meadows, Briarwood (08)	150,532	860	5.7	3.8	300	199.3	165	109.6	1	0.7	25	16.6	37	24.6	18	12.0	3	2.0	23	15.3	24	15.9	9	6.0	9	6.0	1	0.7	3	2.0
Woodhaven (09)	141,145	687	4.9	4.4	197	139.6	130	92.1	2	1.4	18	12.8	28	19.8	14	9.9	7	5.0	21	14.9	30	21.3	13	9.2	9	6.4	5	3.5	5	3.5
Howard Beach (10)	120,240	673	5.6	4.5	212	176.3	144	119.8	-	-	10	8.3	31	25.8	13	10.8	8	6.7	19	15.8	26	21.6	22	18.3	7	5.8	4	3.3	2	1.7
Bayside (11)	115,757	605	5.2	3.1	197	170.2	132	114.0	-	-	11	9.5	18	15.5	20	17.3	2	1.7	26	22.5	15	13.0	19	16.4	5	4.3	3	2.6	1	0.9
Jamaica, St. Albans (12)	222,897	1,425	6.4	4.9	436	195.6	272	122.0	5	2.2	24	10.8	63	28.3	34	15.3	12	5.4	59	26.5	68	30.5	31	13.9	8	3.6	10	4.5	7	3.1
Queens Village (13)	186,585	1,010	5.4	3.7	340	182.2	199	106.7	1	0.5	10	5.4	36	19.3	18	9.6	4	2.1	38	20.4	34	18.2	23	12.3	7	3.8	4	2.1	3	1.6
The Rockaways (14)	107,497	1,073	10.0	7.8	357	332.1	142	132.1	6	5.6	39	36.3	30	27.9	39	36.3	9	8.4	39	36.3	68	63.3	25	23.3	6	5.6	8	7.4	8	7.4
STATEN ISLAND	**490,687**	**3,723**	**7.6**	**6.0**	**1,179**	**240.3**	**823**	**167.7**	**5**	**1.0**	**77**	**15.7**	**114**	**23.2**	**195**	**39.7**	**23**	**4.7**	**187**	**38.1**	**157**	**32.0**	**76**	**15.5**	**23**	**4.7**	**17**	**3.5**	**11**	**2.2**
Port Richmond (01)	191,073	1,379	7.2	6.4	432	226.1	276	144.4	4	2.1	45	23.6	32	16.7	59	30.9	10	5.2	83	43.4	88	46.1	30	15.7	13	6.8	12	6.3	5	2.6
Willowbrook, South Beach (02)	142,935	1,107	7.7	5.3	372	260.3	242	169.3	1	0.7	22	15.4	38	26.6	64	44.8	7	4.9	63	44.1	22	15.4	19	13.3	4	2.8	3	2.1	3	2.1
Tottenville (03)	155,983	1,237	7.9	6.5	375	240.4	305	195.5	-	-	10	6.4	44	28.2	72	46.2	6	3.8	41	26.3	47	30.1	27	17.3	6	3.8	2	1.3	3	1.9
NONRESIDENTS	**-**	**4,549**	**-**	**-**	**878**	**-**	**1,422**	**-**	**14**	**-**	**97**	**-**	**162**	**-**	**78**	**-**	**74**	**-**	**63**	**-**	**269**	**-**	**135**	**-**	**49**	**-**	**35**	**-**	**32**	**-**
RESIDENCE UNKNOWN	**-**	**288**	**-**	**-**	**41**	**-**	**2**	**-**	**5**	**-**	**4**	**-**	**1**	**-**	**3**	**-**	**5**	**-**	**2**	**-**	**119**	**-**	**33**	**-**	**9**	**-**	**6**	**-**	**20**	**-**

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 2023 Census population estimates derived by the Bureau of Epidemiology 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 the Bronx are slightly different from Table M1.

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

Annual

Cause (ICD-10 Codes)‡‡	1901-1905	1906-1910	1911-1915	1916-1920	1921-2925	1926-1930	1931-1935	1936-1940	1941-1945	1946-1948	1949-1951	1952-1955	1956-1960	1961-1965
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	4,290	4,333
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	25.7	26.2
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	3,220	3,226
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	19.3	19.5
Early Neonatal Deaths (under 7 Days)	§§	§§	§§	§§	§§	§§	§§	2,110	2,338	2,845	2,604	2,713	2,909	2,922
Rate per 1,000 live births								20.5	18.5	17.7	16.4	16.6	17.4	17.7
Fetal Deaths (28 Weeks Gestation and Older)	§§	§§	§§	§§	§§	§§	§§	2,589	2,709	2,902	2,441	2,310	2,362	2,276
Ratio per 1,000 live births								25.3	21.4	18.1	15.4	14.1	14.1	13.8
Perinatal mortality ratio†	§§	§§	§§	§§	§§	§§	§§	44.7	39.1	35.1	31.3	30.2	31.1	31.0
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	107	109
Ratio 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	64.1	66.0
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	824	624
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	10.6	8.0
Other Forms of Tuberculosis (A17-A19)	§§	§§	§§	§§	§§	§§	§§	§§	§§	225	174	97	52	43
Rate										2.9	2.2	1.2	0.7	0.6
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	16,869	17,398
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	216.1	222.1
Trachea, bronchus, and lung, male (C33-C34)	§§	§§	§§	§§	§§	§§	§§	§§	§§	828	847	1,021	1,157	1,294
Rate										21.9	22.2	27.0	30.9	34.8
Trachea, bronchus, and lung, female (C33-C34)	§§	§§	§§	§§	§§	§§	§§	§§	§§	220	179	228	261	303
Rate										5.5	4.4	5.6	6.4	7.4
Colon, rectum, and anus (C18-C21)	§§	§§	§§	§§	§§	§§	§§	§§	§§	§§	§§	§§	§§	§§
Rate														
Breast, female (C50)	§§	§§	§§	§§	§§	§§	§§	§§	§§	1,429	1,476	1,517	1,573	1,694
Rate										35.9	36.4	37.3	38.7	41.3
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	1,581	1,789
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	20.3	22.9
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	38,988	39,943
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	499.5	510.2
Cerebrovascular disease (I60-I69)	2,593	1,790	970	834	719	723	1,333	3,846	3,611	3,710	5,099	5,688	6,013	6,174
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	77.0	78.9
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	3,459	3,394
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	44.3	43.4
Other Respiratory Diseases (J00-J06, J20-J99)	3,224	2,307	1,458	1,407	689	622	594	536	492	424	450	461	651	960
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	8.3	12.3
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	1,858	2,386
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	23.8	30.5
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	573	509
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	7.3	6.5
Use of Psychoactive Substance (F11-F16, F18-F19)	§§	§§	§§	§§	§§	§§	§§	§§	§§	§§	§§	81	96	263
Rate												1.0	1.2	3.4
Accidental Drug Poisoning (X40-X42, X44)††	§§	§§	§§	§§	§§	§§	§§	§§	§§	§§	§§	§§	§§	§§
Rate														
Motor Vehicle Accidents¶	§§	§§	253	658	929	1,175	1,167	920	728	635	600	634	655	714
Rate			5.0	12.0	15.0	17.5	16.4	12.5	9.6	8.2	7.6	8.1	8.4	9.1
Home Accidents	§§	§§	§§	§§	§§	§§	§§	1,546	1,823	1,941	1,699	1,568	1,095	951
Rate								21.0	24.0	25.0	21.4	19.9	14.0	12.1
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	2,091	1,947
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	26.8	24.9
Intentional Self-harm (Suicide) (X60-X84, Y87.0)	761	825	686	742	842	1,163	1,369	1,191	907	930	863	649	711	908
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	9.1	11.6
Assault (Homicide) (X85-Y09, Y87.1)	143	247	293	271	334	405	522	351	265	362	318	340	366	592
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	4.7	7.6
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.
‡HIV disease 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 not calculated for count less than 5.
¶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.

MORTALITY

Population for Selected Causes, New York City, 1901-2023

Average

1966-1970	1971-1975	1976-1980	1981-1985	1986-1990	1991-1995	1996-2000	2001-2005**	2006-2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
3,477	2,312	1,875	1,624	1,691	1,339	881	760	682	577	583	551	516	526	491	500	446	464	388	400	427	414
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	4.1	4.3	3.9	4.2	3.9	4.0	4.3	4.2
2,602	1,714	1,333	1,097	1,159	912	609	512	445	378	383	377	326	342	312	344	278	305	244	246	262	268
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	2.6	2.9	2.4	2.8	2.4	2.5	2.6	2.7
2,351	1,480	1,131	927	972	753	478	394	335	293	301	283	254	242	230	250	219	233	198	181	199	187
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	1.9	2.1	1.9	2.1	2.0	1.8	2.0	1.9
1,885	1,288	835	719	698	686	518	431	388	368	379	371	401	345	388	347	378	311	325	277	285	258
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	3.2	3.0	3.3	2.8	3.2	2.8	2.9	2.6
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	5.1	5.1	5.2	4.9	5.4	4.6	4.9	4.5
§§	§§	§§	§§	§§	§§	30	32	39	37	29	30	27	39	24	43	32	43	22	23	27	10
						24.1	25.7	30.5	30.1	23.5	24.9	22.1	32.1	19.9	36.7	28.0	38.9	22.0	23.2	27.1	10.2
73	36	28	33	29	26	22	29	32	30	23	25	23	35	18	25	23	21	19	22	23	10
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	15.0	21.4	20.1	19.0	19.0	22.2	23.1	10.2
432	235	141	125	174	135	39	25	16	27	13	13	22	17	16	13	17	19	19	20	21	22
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	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
39	32	22	35	55	34	14	5	5	5	3	4	9	3	5	2	3	5	3	4	6	5
0.5	0.4	0.3	0.5	0.8	0.5	0.2	0.1	0.1	0.1	||	||	0.1	||	0.1	||	||	0.1	||	||	0	0.1
§§	§§	§§	768§	3,703	6,257	2,716	1,603	1,032	766	609	579	523	483	432	369	331	340	340	319	301	275
			10.7	50.9	83.2	36.4	19.9	12.7	9.3	7.3	6.9	6.2	5.6	5.1	4.3	3.9	4.1	3.9	3.8	3.6	3.3
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	13,533	13,297	13,037	12,448	11,670	11,578	11,368	11,342
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	158.5	154.2	155.2	149.3	132.6	136.7	136.4	137.3
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	1,354	1,297	1,272	1,133	1,085	1,076	1,095	1,018
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	33.2	31.5	31.8	28.5	25.7	26.5	27.3	25.7
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	1,165	1,170	1,154	1,034	936	943	914	920
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	26.1	25.9	26.3	23.7	20.5	21.4	21.1	21.4
§§	§§	§§	§§	§§	1,805	1,685	1,546	1,414	1,374	1,380	1,329	1,268	1,275	1,311	1,304	1,175	1,127	1,136	1,076	1,047	1,042
					24.0	22.6	19.2	17.4	16.6	16.6	15.8	14.9	14.9	15.4	15.1	14.0	13.5	12.9	12.7	12.6	12.6
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	1,084	1,032	1,121	1,049	967	906	826	837
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	24.3	22.9	25.5	24.1	21.1	20.6	19.1	19.5
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	1,796	1,802	1,963	1,894	2,219	1,714	1,766	1,621
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	21.0	20.9	23.4	22.7	25.2	20.2	21.2	19.6
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	20,597	21,031	21,328	21,430	25,553	20,368	20,587	19,640
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	241.2	243.9	253.9	257.1	290.2	240.5	247.0	237.8
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	1,842	1,901	1,888	1,889	2,194	2,149	2,175	2,200
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	21.6	22.0	22.5	22.7	24.9	25.4	26.1	26.6
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	2,019	1,945	2,004	1,624	2,049	1,628	1,575	1,465
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	23.6	22.6	23.9	19.5	23.3	19.2	18.9	17.7
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	2,238	2,407	2,416	2,541	2,656	2,357	2,550	2,609
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	26.2	27.9	28.8	30.5	30.2	27.8	30.6	31.6
2,936	2,440	2,185	1,789	1,289	946	697	521	493	550	534	586	589	610	522	605	571	546	608	606	594	544
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	6.1	7.0	6.8	6.5	6.9	7.2	7.1	6.6
447	372	381	383	816	311	564	654	429	453	461	464	486	437	416	388	459	538	681	691	716	754
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	4.9	4.5	5.5	6.5	7.7	8.2	8.6	9.1
551	677	414	573	787	947	875	866	262	158	152	148	170	195	172	134	125	90	100	78	84	88
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	2.0	1.6	1.5	1.1	1.1	0.9	1.0	1.1
§§	§§	§§	1	143	49	26	41	353	600	660	724	723	856	1,320	1,398	1,375	1,466	2,071	2,666	3,041	3,024
			||	2.0	0.7	0.3	0.5	4.3	7.3	7.9	8.6	8.5	10.0	15.5	16.2	16.4	17.6	23.5	31.5	36.5	36.6
887	834	606	477	624	554	419	386	315	283	315	305	271	258	245	221	219	233	264	294	271	288
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	2.9	2.6	2.6	2.8	3.0	3.5	3.3	3.5
871	755	525	486	589	508	§§	§§	§§	§§	§§	§§	§§	§§	§§	§§	§§	§§	§§	§§	§§	§§
11.1	9.9	7.3	6.8	8.1	6.8																
1,730	1,239	926	812	880	394	493	792	712	735	719	731	755	798	752	832	821	841	809	1033	1,190	1,067
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	8.8	9.6	9.8	10.1	9.2	12.2	14.3	12.9
680	641	711	603	600	599	514	483	477	509	557	550	565	552	525	565	562	541	547	563	601	547
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	6.1	6.6	6.7	6.5	6.2	6.6	7.2	6.6
992	1,663	1,700	1,763	1,902	1,815	778	624	549	528	440	343	353	379	362	298	311	321	486	512	454	406
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	4.2	3.5	3.7	3.9	5.5	6.0	5.4	4.9
946	1,062	699	696	504	161	151	232	212	247	241	227	253	265	259	245	296	313	255	243	223	267
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	3.0	2.8	3.5	3.8	2.9	2.9	2.7	3.2
§§	§§	§§	§§	§§	84	115	232	400	626	696	740	789	1,079	1,100	1,116	1,195	1,141	1,129	1,120	979	874
					1.2	1.5	2.9	4.9	7.6	8.3	8.8	9.3	12.6	12.9	12.9	14.2	13.7	12.8	13.2	11.7	10.6
§§	§§	§§	§§	§§	269	243	196	154	171	166	180	182	167	157	161	174	172	204	133	149	154
					3.7	3.3	2.4	1.9	2.1	2.0	2.1	2.1	2.0	1.8	1.9	2.1	2.1	2.3	1.6	1.8	1.9

Table M14. Alcohol-Attributable Deaths Due to Excessive Alcohol Use, Age ≥20 Years*, New York City, 2023

Cause	Total* 2,397	Male 1,676	Female 720
Alcohol abuse	242	194	48
Alcohol cardiomyopathy	-	-	-
Alcohol dependence syndrome	-	-	-
Alcoholic gastritis	-	-	-
Alcoholic liver disease	317	235	82
Alcoholic myopathy	-	-	-
Alcoholic psychosis	161	130	31
Alcohol-induced acute pancreatitis	-	-	-
Alcohol-induced chronic pancreatitis	-	-	-
Cancer, breast (females only)	21	x	21
Cancer, colorectal	15	-	-
Cancer, esophageal*	-	-	-
Cancer, laryngeal	-	-	-
Cancer, liver	28	-	-
Cancer, oral cavity and pharyngeal	14	-	-
Cancer, pancreatic†	-	-	-
Cancer, prostate (males only)	-	-	x
Cancer, stomach†	-	-	-
Atrial fibrillation	-	-	-
Coronary heart disease	70	53	18
Hypertension	234	60	174
Stroke, hemorrhagic	19	-	-
Stroke, ischemic	11	-	-
Esophageal varices	-	-	-
Gastroesophageal hemorrhage	-	-	-
Liver cirrhosis, unspecified	117	65	52
Pancreatitis, acute	-	-	-
Pancreatitis, chronic	-	-	-
Portal hypertension	-	-	-
Chronic hepatitis	-	-	-
Infant death, low birth weight**	-	-	-
Infant death, preterm birth**	-	-	-
Pneumonia‡	-	-	-
Unprovoked seizures, epilepsy, or seizure disorder	-	-	-
Alcohol poisoning	18	-	-
Poisoning (not alcohol)	610	463	147
Motor vehicle traffic crashes¶	101	81	20
Suicide	114	81	33
Suicide by and exposure to alcohol	-	-	-
Air-space transport	-	-	-
Aspiration	-	-	-
Child maltreatment§	-	-	-
Drowning	11	-	-
Fall injuries||	73	58	15
Fire injuries	23	12	11
Firearm injuries	-	-	-
Homicide	110	95	16
Hypothermia	-	-	-
Motor vehicle nontraffic crashes	-	-	-
Occupational and machine injuries	-	-	-
Other road vehicle crashes	17	-	-
Water Transport	-	-	-

- To protect confidentiality, data are suppressed in cells with an estimate of fewer than 10 deaths or in which presenting data would provide information to derive the suppressed cells.
x Data only pertain to one sex.
* Total may not equal sum of males and females due to rounding.
† Cancer, pancreatic and stomach: Deaths among people consuming high levels of alcohol only.
‡ Pneumonia: Deaths among adults aged 20 to 64 years.
§ Child maltreatment: Deaths among children aged 0 to 14 years.
|| Fall injuries: Deaths among people aged 15 to 69 years.
¶ Motor vehicle traffic crashes: Deaths among people of all ages. A blood alcohol concentration level of 0.08 g/dL or greater is used for defining alcohol attribution for this condition.
** Infant deaths: Alcohol consumption prevalence estimates calculated among women aged 18 to 44 years only.

Table M15. Smoking-Attributable Deaths and Age-adjusted Death Rates, Age ≥ 35 Years, New York City, 2020 - 2023

	2020						2021						2022						2023					
	Deaths			Age-adjusted Rates (per 100,000 Population)			Deaths			Age-adjusted Rates (per 100,000 Population)			Deaths			Age-adjusted Rates (per 100,000 Population)			Deaths			Age-adjusted Rates (per 100,000 Population)		
Disease Category	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Total	**5,041**	**3,497**	**8,538**	**226.6**	**116.0**	**163.9**	**3,858**	**2,413**	**6,271**	**169.3**	**79.4**	**118.5**	**3,833**	**2,415**	**6,248**	**168.4**	**77.8**	**116.6**	**3,546**	**2,348**	**5,894**	**149.2**	**74.7**	**107.6**
Cerebrovascular disease	85	79	164	4.0	2.6	3.2	64	49	113	2.9	1.6	2.1	64	52	116	2.8	1.6	2.1	63	48	111	2.6	1.5	2.0
Chronic obstructive pulmonary disease (ages ≥ 65)	518	533	1,051	25.4	17.5	20.6	384	402	786	18.4	12.9	15.1	416	411	827	19.7	12.7	15.4	380	458	838	16.9	14.0	15.2
Coronary heart disease	2,054	1,431	3,485	93.1	47.8	67.8	1,382	791	2,173	61.0	26.2	41.7	1,359	804	2,163	59.8	26.0	40.8	1,240	714	1,954	52.2	22.9	36.1
Diabetes mellitus	74	41	115	3.0	1.3	2.0	56	20	76	2.2	0.6	1.3	56	22	78	2.2	0.7	1.3	49	21	70	1.9	0.6	1.2
Influenza, pneumonia, tuberculosis, and COPD (ages 35-64)	250	128	378	9.3	4.5	6.8	169	102	271	6.4	3.5	4.9	147	91	238	5.8	3.3	4.5	139	84	223	5.5	3.0	4.2
Influenza, pneumonia, and tuberculosis (ages ≥ 65)	194	91	285	9.3	3.0	5.5	137	48	185	6.3	1.5	3.5	130	47	177	5.9	1.4	3.3	121	43	164	5.2	1.3	2.9
Lung cancer	891	695	1,586	39.6	22.7	29.8	844	627	1,471	36.8	20.4	27.3	858	620	1,478	37.1	19.7	27.0	783	615	1,398	32.7	19.4	25.0
Other cancers	581	233	814	25.9	7.6	15.3	491	176	667	21.4	5.8	12.5	481	176	657	21.0	5.7	12.1	453	173	626	18.8	5.6	11.3
Other cardiovascular diseases (ages 35-64)*	231	67	298	9.1	2.5	5.7	195	59	254	7.9	2.3	5.0	176	62	238	7.5	2.5	4.9	178	52	230	7.4	2.1	4.6
Other heart disease (ages ≥ 65)†	96	103	199	4.6	3.4	3.9	86	95	181	3.9	3.1	3.5	93	91	184	4.1	2.8	3.4	85	93	178	3.6	2.8	3.2
Other vascular diseases (ages ≥ 65)‡	67	96	163	3.4	3.2	3.2	50	44	94	2.2	1.4	1.8	53	39	92	2.4	1.2	1.7	55	47	102	2.4	1.4	1.8

Note: Smoking prevalence rates are from the New York City Community Health Survey and calculated by the Bureau of Epidemiology Services, New York City Department of Health and Mental Hygiene.
Beginning in 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 in 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 diseases, cerebrovascular diseases, other vascular diseases and diabetes mellitus.
† Other heart diseases are 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.

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

		All															Male					
	Age and Racial/Ethnic Groups	1983-2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	1983-2009	2010	2011	2012	2013	2014
ALL AGES	**Total**	**78,763**	**832**	**766**	**609**	**579**	**523**	**483**	**432**	**369**	**331**	**340**	**340**	**319**	**301**	**275**	**59,722**	**574**	**528**	**402**	**398**	**359**
	Puerto Rican (PR)	14,766	196	186	115	138	88	102	70	63	44	50	55	59	38	41	10,788	135	123	75	94	56
	Hisp./Latino (not PR)	7,061	72	46	37	34	43	29	54	43	42	52	49	36	43	45	5,718	54	39	28	28	36
	Asian & Pacific Islander	505	6	4	5	8	2	5	6	5	3	3	5	8	1	2	443	3	2	4	5	1
	Non-Hisp./Lat. White	19,222	100	94	80	73	62	50	45	45	48	30	27	28	28	27	16,676	76	75	63	53	50
	Non-Hisp./Lat. Black	33,338	449	421	359	311	298	277	231	201	180	195	182	166	175	147	23,002	297	277	223	204	196
	Other or Unknown	3,871	9	15	13	15	30	20	26	12	14	10	22	22	16	13	3,095	9	12	9	14	20
0-24	**Total**	**2,449**	**8**	**16**	**13**	**8**	**9**	**8**	**7**	**2**	**2**	**4**	**3**	**1**	**1**	**1**	**1,338**	**4**	**13**	**6**	**6**	**7**
	Puerto Rican	464	1	4	2	-	-	2	-	-	1	-	-	1	-	-	256	-	2	-	-	-
	Hisp./Latino (not PR)	272	-	-	2	-	-	1	-	1	-	1	1	-	-	1	166	-	-	1	-	-
	Asian & Pacific Islander	14	1	-	-	-	-	-	-	-	-	-	-	-	-	-	9	1	-	-	-	-
	Non-Hisp./Lat. White	365	-	-	-	1	2	1	-	-	-	-	-	-	-	-	224	-	-	-	-	2
	Non-Hisp./Lat. Black	1,202	6	12	9	7	7	4	7	1	1	3	2	-	1	-	617	3	11	5	6	5
	Other or Unknown	132	-	-	-	-	-	-	-	-	-	-	-	-	-	-	66	-	-	-	-	-
25-34	**Total**	**17,287**	**37**	**40**	**34**	**29**	**28**	**28**	**31**	**33**	**21**	**27**	**27**	**22**	**33**	**27**	**12,438**	**27**	**29**	**24**	**27**	**17**
	Puerto Rican	3,558	11	2	3	5	4	5	3	2	-	2	2	4	1	2	2,480	7	2	2	5	-
	Hisp./Latino (not PR)	1,826	8	8	6	4	3	2	3	5	3	7	6	2	4	4	1,455	6	7	5	4	3
	Asian & Pacific Islander	94	-	2	1	-	-	1	1	2	1	2	-	1	-	-	78	-	1	1	-	-
	Non-Hisp./Lat. White	4,077	1	3	1	2	1	1	-	2	2	1	3	2	-	1	3,394	1	2	1	1	1
	Non-Hisp./Lat. Black	6,835	17	25	23	17	19	18	24	21	14	14	15	12	26	18	4,357	13	17	15	16	12
	Other or Unknown	897	-	-	-	1	1	1	-	1	1	1	1	1	2	2	674	-	-	-	1	1
35-44	**Total**	**32,378**	**142**	**125**	**90**	**73**	**60**	**64**	**54**	**46**	**33**	**33**	**37**	**32**	**48**	**37**	**24,674**	**94**	**77**	**54**	**45**	**33**
	Puerto Rican	5,935	34	28	17	22	12	8	7	4	6	6	2	5	1	2	4,390	20	17	10	10	4
	Hisp./Latino (not PR)	2,756	19	8	4	3	7	5	10	5	6	2	5	5	8	11	2,235	14	8	1	3	5
	Asian & Pacific Islander	201	-	1	2	3	1	3	1	2	-	-	1	1	-	-	186	-	-	1	1	-
	Non-Hisp./Lat. White	8,405	16	12	15	7	10	4	5	5	-	2	2	1	3	2	7,303	11	10	13	3	7
	Non-Hisp./Lat. Black	13,482	71	76	49	37	28	40	30	30	18	22	23	19	30	21	9,280	47	42	28	27	16
	Other or Unknown	1,599	2	-	3	1	2	4	1	-	3	1	4	1	6	1	1,280	2	-	1	1	1
45-54	**Total**	**18,589**	**330**	**287**	**217**	**215**	**167**	**143**	**106**	**96**	**83**	**71**	**66**	**66**	**51**	**31**	**14,710**	**219**	**183**	**136**	**140**	**115**
	Puerto Rican	3,448	85	75	46	55	34	38	16	13	13	10	12	10	6	6	2,628	62	43	29	38	22
	Hisp./Latino (not PR)	1,496	29	15	14	14	16	9	13	17	9	11	8	10	7	7	1,265	20	12	12	10	13
	Asian & Pacific Islander	127	3	-	-	1	1	1	1	-	-	1	1	3	-	-	115	1	-	-	1	1
	Non-Hisp./Lat. White	4,481	37	41	28	28	16	15	11	14	9	6	1	6	6	2	4,033	28	30	22	20	13
	Non-Hisp./Lat. Black	8,146	173	150	123	111	87	76	58	45	48	40	40	32	28	14	5,902	105	95	69	65	55
	Other or Unknown	891	3	6	6	6	13	4	7	7	4	3	4	5	4	2	767	3	3	4	6	11
55-64	**Total**	**6,216**	**239**	**213**	**169**	**172**	**174**	**141**	**150**	**117**	**116**	**117**	**106**	**110**	**78**	**86**	**5,112**	**179**	**159**	**120**	**118**	**130**
	Puerto Rican	1,097	51	54	34	42	24	33	25	25	10	19	18	26	12	14	837	38	41	25	33	21
	Hisp./Latino (not PR)	539	11	9	5	11	13	4	21	11	16	18	15	9	13	12	454	10	7	4	10	11
	Asian & Pacific Islander	47	2	-	2	3	-	-	1	-	1	-	2	3	-	-	39	1	-	2	2	-
	Non-Hisp./Lat. White	1,453	36	30	24	21	20	16	15	17	27	9	6	4	7	11	1,337	28	25	19	16	18
	Non-Hisp./Lat. Black	2,806	136	112	101	92	106	80	78	61	58	67	56	58	44	44	2,205	99	78	67	54	75
	Other or Unknown	274	3	8	3	3	11	8	10	3	4	4	9	10	2	5	240	3	8	3	3	5
≥65	**Total**	**1,843**	**76**	**85**	**86**	**82**	**85**	**99**	**84**	**75**	**76**	**88**	**101**	**88**	**90**	**93**	**1,449**	**51**	**67**	**62**	**62**	**57**
	Puerto Rican	264	14	23	13	14	14	16	19	19	14	13	21	13	18	17	197	8	18	9	8	9
	Hisp./Latino (not PR)	172	5	6	6	2	4	8	7	4	8	13	14	10	11	10	143	4	5	5	1	4
	Asian & Pacific Islander	22	-	1	-	1	-	-	2	1	1	-	1	-	1	2	16	-	1	-	1	-
	Non-Hisp./Lat. White	441	10	8	12	14	13	13	14	7	10	12	15	15	12	11	385	8	8	8	13	9
	Non-Hisp./Lat. Black	867	46	46	54	47	51	59	34	43	41	49	46	45	46	50	641	30	34	39	36	33
	Other or Unknown	77	1	1	1	4	3	3	8	1	2	1	4	5	2	3	67	1	1	2	1	1

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, 1983-2023

															Female								
2015	2016	2017	2018	2019	2020	2021	2022	2023	1983-2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
332	**296**	**249**	**230**	**225**	**229**	**229**	**219**	**207**	**19,041**	**258**	**238**	**207**	**181**	**164**	**151**	**136**	**120**	**101**	**115**	**111**	**90**	**82**	**68**
68	50	44	31	37	39	44	17	29	3978	61	63	40	44	32	34	20	19	13	13	16	15	21	12
19	44	34	30	34	36	27	34	36	1343	18	7	9	6	7	10	10	9	12	18	13	9	9	9
3	6	4	3	3	4	5	1	2	62	3	2	1	3	1	2	-	1	-	-	1	3	-	-
40	36	34	33	22	24	25	28	25	2546	24	19	17	20	12	10	9	11	15	8	3	3	-	2
185	140	124	122	122	111	114	125	104	10336	152	144	136	107	102	92	91	77	58	73	71	52	50	43
17	20	9	11	7	15	14	14	11	776	-	3	4	1	10	3	6	3	3	3	7	8	2	2
5	**2**	**1**	**2**	**4**	**2**	**-**	1	-	**1,111**	**4**	**3**	**7**	**2**	**2**	**3**	**5**	**1**	**-**	**-**	**1**	**1**	**-**	**1**
2	-	-	1	-	-	-	-	-	208	1	2	2	-	-	-	-	-	-	-	-	1	-	-
-	-	1	-	1	1	-	-	-	106	-	-	1	-	-	1	-	-	-	-	-	-	-	1
-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	-	-	-	-	-	-	-	-	141	-	-	-	1	-	-	-	-	-	-	-	-	-	-
2	2	-	1	3	1	-	1	-	585	3	1	4	1	2	2	5	1	-	-	1	-	-	-
-	-	-	-	-	-	-	-	-	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	**24**	**22**	**15**	**23**	**19**	**18**	**26**	**23**	**4,849**	**10**	**11**	**10**	**2**	**11**	**7**	**7**	**11**	**6**	**4**	**8**	**4**	**7**	**4**
2	2	1	-	2	2	4	1	1	1078	4	-	1	-	4	3	1	1	-	-	-	-	-	1
2	3	4	2	7	4	2	4	4	371	2	1	1	-	-	-	-	1	1	-	2	-	-	.
1	1	2	1	2	-	1	-	-	16	-	1	-	-	-	-	-	-	-	-	-	-	-	.
1	-	1	2	1	3	2	-	1	683	-	1	-	1	-	-	-	1	-	-	-	-	-	.
14	18	14	9	10	9	9	19	15	2478	4	8	8	1	7	4	6	7	5	4	6	3	7	3
1	-	-	1	1	1	-	2	2	223	-	-	-	-	-	-	-	1	-	-	-	1	-	.
32	**31**	**29**	**19**	**22**	**26**	**24**	**36**	**30**	**7,704**	**48**	**48**	**36**	**28**	**27**	**32**	**23**	**17**	**14**	**11**	**11**	**8**	**12**	**7**
6	6	3	4	6	2	5	1	2	1545	14	11	7	12	8	2	1	1	2	-	-	-	-	-
2	8	4	4	2	5	4	7	10	521	5	-	3	-	2	3	2	1	2	-	-	1	1	1
1	1	2	-	-	1	-	-	-	15	-	1	1	2	1	2	-	-	-	-	-	1	-	-
1	4	5	-	1	2	1	3	1	1102	5	2	2	4	3	3	1	-	-	1	8	-	-	1
20	12	15	9	12	15	14	20	16	4202	24	34	21	10	12	20	18	15	9	10	3	5	10	5
2	-	-	2	1	1	-	5	1	319	-	-	2	-	1	2	1	-	1	-	-	1	1	-
97	**63**	**62**	**52**	**41**	**37**	**44**	**36**	**22**	**3,879**	**111**	**104**	**81**	**75**	**52**	**46**	**43**	**34**	**31**	**30**	**29**	**22**	**15**	**9**
25	10	9	5	5	7	6	4	2	820	23	32	17	17	12	13	6	4	8	5	5	4	2	4
7	11	13	7	5	6	5	3	5	231	9	3	2	4	3	2	2	4	2	6	2	5	4	2
1	1	-	-	1	1	2	-	-	12	2	-	-	-	-	-	-	-	-	-	-	1	-	-
11	8	11	7	4	1	6	6	2	448	9	11	6	8	3	4	3	3	2	2	-	-	-	-
50	28	24	30	24	20	22	19	11	2244	68	55	54	46	32	26	30	21	18	16	20	10	9	3
3	5	5	3	2	2	3	4	2	124	-	3	2	-	2	1	2	2	1	1	2	2	-	-
103	**109**	**84**	**88**	**70**	**72**	**76**	**55**	**58**	**1104**	**60**	**54**	**49**	**54**	**44**	**38**	**41**	**33**	**28**	**47**	**34**	**34**	**23**	**28**
20	19	19	9	15	11	19	5	10	260	13	13	9	9	3	13	6	6	1	4	7	7	7	4
1	16	8	13	11	11	8	10	11	85	1	2	1	1	2	3	5	3	3	7	4	1	3	1
-	1	-	1	-	2	2	-	-	8	1	-	-	1	-	-	-	-	-	-	-	1	-	-
15	12	12	17	7	3	3	7	10	116	8	5	5	5	2	1	3	5	10	2	3	1	-	1
59	54	42	44	35	37	37	31	24	601	37	34	34	38	31	21	24	19	14	32	19	21	13	20
8	7	3	4	2	8	7	2	3	34	-	-	-	-	6	-	3	-	-	2	1	3	-	2
74	**67**	**51**	**54**	**65**	**73**	**67**	**65**	**74**	**394**	**25**	**18**	**24**	**20**	**28**	**25**	**17**	**24**	**22**	**23**	**28**	**21**	**25**	**19**
13	13	12	12	9	17	10	6	14	67	6	5	4	6	5	3	6	7	2	4	4	3	12	3
7	6	4	4	8	9	8	10	6	29	1	1	1	1	-	1	1	-	4	5	5	2	1	4
-	2	-	1	-	-	-	1	2	6	-	-	-	-	-	-	-	1	-	-	1	-	-	-
11	12	5	7	9	15	13	12	11	56	2	-	4	1	4	2	2	2	3	3	-	2	-	-
40	26	29	29	38	29	32	35	38	226	16	12	15	11	18	19	8	14	12	11	17	13	11	12
3	8	1	1	1	3	4	1	3	10	-	-	-	1	1	-	-	-	1	-	1	1	1	-

Table M17. Selected Characteristics of Deaths Due to Fatal Occupational Injuries*, New York City, 2023

		Selected event or exposure†‡					
	All Deaths	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	**69**	**12**	**13**		**19**	**19**	
Selected Industries							
Government (Federal, State, Local)§	8		5				
Local government	7						
Private industry§	61	12	8		18	17	
Goods producing							
Construction	24				12	5	
Manufacturing							
Service providing							
Trade, transportation, and utilities			5				
Information							
Professional and business services	6						
Leisure and hospitality							
Accommodation and food services							
Other services, except public administration	4						
Sex							
Female	7						
Male	62						
Race or ethnic origin‖							
Non-Hispanic/Latino White	14				3	5	
Non-Hispanic/Latino Black	17				4	6	
Hispanic/Latino	28	3	4		9	7	
Asian							
Age Group							
<25 years							
25-34 years	8					3	
35-44 years	10	3				3	
45-54 years	13				7		
55-64 years	27	3	5		8	9	
>65 years	5						

*Source: Bureau of Labor Statistics: Fatal Occupational Injuries in New York City https://www.bls.gov/iif/state-data/fatal-occupational-injuries-in-new-york-city-2023.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 of 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.

Table M18. Deaths Due to Accidents, Overall and by Age and Sex, New York City, 2023

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	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
Total	**4,379**	**10**	**5**	**5**	**8**	**9**	**5**	**40**	**16**	**81**	**36**	**398**	**132**	**575**	**175**	**565**	**165**	**825**	**227**	**387**	**143**	**285**	**287**
Motor Vehicle Except Injury to Pedestrian, Pedal Cyclist, and Motorcyclist	48	1	-	-	-	-	1	6	-	4	4	10	1	5	1	5	1	2	1	1	3	2	-
Injury to Pedestrians	149	1	-	-	1	1	-	2	2	8	2	12	6	15	4	12	2	20	4	18	16	8	15
Collision with motor vehicle	107	1	-	-	1	-	-	2	1	4	2	4	4	8	2	5	2	16	4	13	16	7	15
Collision with railway transportation	42	-	-	-	-	1	-	-	1	4	-	8	2	7	2	7	-	4	-	5	-	1	-
Other collision	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Injury to Pedal Cyclist	18	-	-	-	-	-	-	2	-	-	-	1	-	6	-	2	-	4	1	1	-	1	-
Collision with motor vehicle	16	-	-	-	-	-	-	2	-	-	-	1	-	5	-	2	-	3	1	1	-	1	-
Other collision	2	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-
Injury to Motorcyclist	95	-	-	1	-	-	-	10	1	11	-	27	-	18	1	11	-	10	-	4	-	1	-
Water Transport Accidents	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Air and Space Transport Accidents	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Transport Accidents	27	-	-	-	1	2	-	1	-	2	2	-	1	2	2	2	1	2	2	2	2	3	-
Sequelae (Late Effects) of Transport Accidents	12	-	-	-	-	-	-	-	-	-	-	-	2	1	-	4	1	1	1	-	1	1	-
Fall	601	1	-	1	1	-	-	2	-	4	-	6	5	16	1	32	3	50	13	63	25	179	199
Firearm Discharge	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Drowning and Submersion	27	2	-	1	-	4	-	2	-	2	-	3	-	2	1	2	-	1	1	1	1	2	2
Smoke, Fire, and Flames	73	1	-	1	3	-	2	-	2	2	-	3	1	2	4	5	3	4	3	9	11	9	8
Poisoning by Noxious Substances	3,058	-	1	-	1	1	2	11	10	44	26	326	115	497	157	470	150	692	197	251	68	29	10
Poisoning by psychoactive substances*	3,024	-	1	-	-	-	1	10	9	44	25	323	114	491	153	468	149	687	197	248	68	26	10
Poisoning by other noxious substances	34	-	-	-	1	1	1	1	1	-	1	3	1	6	4	2	1	5	-	3	-	3	-
Exposure to Excessive Natural Heat	5	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	1	-	-	-	1	1
Exposure to Excessive Natural Cold	29	-	-	-	-	-	-	1	-	-	-	2	-	2	-	3	1	9	-	4	4	2	1
Suffocation	156	4	4	1	1	-	-	-	1	-	1	2	-	3	3	9	2	16	3	19	6	39	42
Contact with Machinery	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-
Other Nontransport Accidents	58	-	-	-	-	1	-	3	-	2	1	5	-	3	-	6	1	8	1	6	5	7	9
Sequelae (Late Effects) of Nontransport Accidents	19	-	-	-	-	-	-	-	-	-	-	1	-	3	1	1	-	3	-	8	1	1	-

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

Table M19. Deaths Due to Intentional Self-harm (Suicide), Overall and by Age and Sex, New York City, 2023

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	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
Total	**547**	**0**	**0**	**0**	**0**	**2**	**2**	**18**	**8**	**39**	**15**	**72**	**33**	**76**	**26**	**62**	**20**	**59**	**28**	**28**	**13**	**31**	**15**
Poisoning by Drug and Medicinal Substances	76	-	-	-	-	-	-	4	2	4	2	4	11	10	5	5	3	5	4	3	5	5	4
Poisoning by Other Substances	12	-	-	-	-	-	-	-	-	1	-	1	1	1	2	-	1	2	2	-	-	1	-
Hanging, Strangulation, and Suffocation	200	-	-	-	-	1	1	5	3	10	5	26	13	27	9	23	9	27	12	11	5	9	4
Drowning and Submersion	15	-	-	-	-	-	1	-	-	2	1	3	-	2	1	2	-	2	-	-	-	1	-
Firearm Discharge	62	-	-	-	-	-	-	4	-	8	-	9	3	3	1	11	1	8	1	4	1	7	1
Sharp Object	23	-	-	-	-	-	-	-	-	2	-	2	-	9	1	2	-	4	2	1	-	-	-
Blunt Object	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jumping From High Place	106	-	-	-	-	-	-	3	3	8	5	20	3	14	4	12	5	8	6	4	-	5	6
Jumping or Lying Before Moving Object	39	-	-	-	-	1	-	1	-	2	2	6	2	9	2	2	1	3	1	4	1	2	-
Other and Unspecified Means	10	-	-	-	-	-	-	1	-	2	-	1	-	1	1	4	-	-	-	-	-	-	-
Sequelae (Late Effects)	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	1	1	-

Table M20. Deaths Due to Assault (Homicide) and Legal Intervention, Overall and by Age and Sex, New York City, 2023

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	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
Total	**414**	**9**	**4**	**3**	**3**	**4**	**2**	**28**	**2**	**37**	**6**	**104**	**10**	**72**	**12**	**40**	**5**	**36**	**10**	**11**	**5**	**7**	**4**
Poisoning by Noxious Substances	10	5	-	1	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	1	-	1
Hanging, Strangulation, and Suffocation	11	-	1	1	1	-	-	1	-	-	-	-	1	-	1	1	-	2	1	-	1	-	-
Drowning and Submersion	3	1	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Firearm Discharge	205	-	-	-	-	1	-	22	2	25	2	72	3	43	5	11	2	8	1	4	2	2	-
Smoke, Fire, and Flames	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Sharp Object	103	2	-	1	-	2	2	5	-	8	3	22	4	16	4	13	3	9	6	1	-	2	-
Blunt Object	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pushing From High Place	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Bodily Force	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Neglect, Abandonment, and Other Maltreatment	4	-	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Other and Unspecified Means	49	1	1	-	-	-	-	-	-	1	1	5	2	4	2	9	-	13	2	6	-	1	1
Sequelae (Late Effects)	19	-	-	-	1	-	-	-	-	1	-	2	-	5	-	3	-	4	-	-	1	1	1
Legal Intervention, All*	8	-	-	-	-	-	-	-	-	2	-	2	-	1	-	2	-	-	-	-	-	1	-

*All eight legal intervention deaths are from firearm discharge.

Table M21. Deaths Due to Events of Undetermined Intent, Overall and by Age and Sex, New York City, 2023

		0-4		5-9		10-14		15-19		20-24		25-34		35-44		45-54		55-64		65-74		≥75	
Method	All Ages	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
Total	**267**	**12**	**8**	**0**	**1**	**1**	**0**	**3**	**1**	**8**	**2**	**49**	**7**	**35**	**6**	**31**	**12**	**38**	**9**	**17**	**9**	**9**	**9**
Poisoning by Noxious Substances	13													2	3	1	1	1	-	1	3	1	-
Hanging, Strangulation, and Suffocation	3	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-
Drowning and Submersion	14	-	-	-	-	-	-	-	-	3	-	5	-	2	-	1	-	1	1	1	-	-	-
Firearm Discharge	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Smoke, Fire, and Flames	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-
Sharp or Blunt Object	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Falling From High Place	24	-	-	-	-	-	-	1	-	2	1	6	1	5	1	3	1	2	-	-	-	1	-
Other and Unspecified Means	203	12	8	-	1	-	-	2	1	3	1	35	6	25	2	26	9	32	7	14	5	6	8
Sequelae (Late Effects)	6	-	-	-	-	-	-	-	-	-	-	3	-	1	-	-	-	1	-	-	1	-	-

Table M22. Deaths Due to Complications of Medical and Surgical Care, Overall and by Age and Sex, New York City, 2023

		0-4		5-9		10-14		15-19		20-24		25-34		35-44		45-54		55-64		65-74		≥75	
Method	All Ages	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
Total	**76**	**0**	**0**	**0**	**1**	**2**	**0**	**1**	**0**	**1**	**1**	**2**	**0**	**4**	**2**	**3**	**2**	**7**	**14**	**14**	**8**	**8**	**6**
Adverse Effects From Drugs, Medicaments, and Biological Substances for Therapeutic Use	4	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	1	-	1	-
Medical Misadventures to Patients During Surgical and Medical Care	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Adverse Effects from Medical Devices for Therapeutic Use	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other and Unspecified Means	72	-	-	-	1	2	-	1	-	.	1	2	-	4	2	3	1	7	14	13	8	7	6
Sequelae (Late Effects)	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table M23. Deaths Due to Firearms (All Causes), Overall and by Age and Sex, New York City, 2023

		0-4		5-9		10-14		15-19		20-24		25-34		35-44		45-54		55-64		65-74		≥75	
Method	All Ages	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.
Firearms (All Causes)	276	-	-	-	-	1	-	26	2	36	2	83	6	47	6	24	3	16	2	8	3	10	1

Table M24. Life Expectancy at Specified Ages, Overall and by Sex and Racial/Ethnic Group, New York City, 2009-2011 and 2019-2021*

All

Exact Age in Years	2009-2011 Total	2009-2011 Hispanic/ Latino	2009-2011 Non-Hispanic/ Latino White	2009-2011 Non-Hispanic/ Latino Black	2019-2021 Total	2019-2021 Hispanic/ Latino	2019-2021 Non-Hispanic/ Latino White	2019-2021 Non-Hispanic/ Latino Black	2019-2021 Asian and Pacific Islander†
0	80.8	81.9	81.2	76.9	80.4	80.5	81.7	75.8	84.6
1	80.2	81.2	80.5	76.6	79.7	79.8	80.9	75.4	83.8
5	76.2	77.3	76.5	72.7	75.8	75.8	76.9	71.5	79.8
10	71.3	72.3	71.5	67.8	70.8	70.8	72.0	66.6	74.8
15	66.3	67.4	66.6	62.8	65.8	65.9	67.0	61.6	69.9
20	61.5	62.5	61.7	58.0	60.9	60.9	62.1	56.8	65.0
25	56.6	57.6	56.8	53.3	56.1	56.1	57.2	52.1	60.1
30	51.8	52.8	51.9	48.6	51.3	51.4	52.4	47.4	55.2
35	47.0	48.0	47.0	43.9	46.6	46.6	47.6	42.8	50.4
40	42.2	43.2	42.2	39.3	41.9	42.0	42.8	38.3	45.5
45	37.6	38.6	37.5	34.9	37.3	37.5	38.1	33.9	40.7
50	33.1	34.1	33.0	30.7	32.8	33.1	33.5	29.6	36.0
55	28.8	29.8	28.7	26.6	28.5	28.8	29.1	25.7	31.5
60	24.7	25.6	24.5	22.9	24.5	24.7	24.9	22.0	27.0
65	20.7	21.6	20.5	19.3	20.6	20.9	20.9	18.7	22.8
70	17.0	17.8	16.7	16.0	17.0	17.2	17.1	15.5	18.7
75	13.4	14.3	13.1	12.9	13.5	13.7	13.5	12.6	14.8
80	10.3	11.0	10.0	10.1	10.4	10.6	10.2	9.9	11.4
85	7.5	8.1	7.1	7.6	7.6	7.9	7.3	7.5	8.3

Male

Exact Age in Years	2009-2011 Total	2009-2011 Hispanic/ Latino	2009-2011 Non-Hispanic/ Latino White	2009-2011 Non-Hispanic/ Latino Black	2019-2021 Total	2019-2021 Hispanic/ Latino	2019-2021 Non-Hispanic/ Latino White	2019-2021 Non-Hispanic/ Latino Black	2019-2021 Asian and Pacific Islander†
0	78.1	78.6	78.8	73.3	77.3	76.8	79.0	71.9	81.9
1	77.5	77.9	78.1	73.0	76.6	76.1	78.3	71.6	81.1
5	73.5	74.0	74.1	69.1	72.7	72.1	74.3	67.7	77.1
10	68.6	69.0	69.2	64.2	67.7	67.1	69.4	62.8	72.2
15	63.6	64.1	64.2	59.2	62.7	62.2	64.4	57.8	67.2
20	58.8	59.2	59.4	54.5	57.9	57.3	59.5	53.0	62.3
25	54.0	54.4	54.6	49.9	53.2	52.5	54.7	48.5	57.5
30	49.2	49.6	49.7	45.4	48.4	47.9	49.9	43.9	52.7
35	44.5	44.9	44.9	40.8	43.8	43.3	45.2	39.4	47.9
40	39.8	40.2	40.1	36.3	39.2	38.8	40.5	35.1	43.1
45	35.2	35.7	35.4	32.0	34.8	34.4	35.9	30.8	38.4
50	30.8	31.3	31.0	27.9	30.4	30.2	31.4	26.7	33.8
55	26.7	27.2	26.8	24.0	26.3	26.1	27.1	23.0	29.3
60	22.7	23.2	22.8	20.5	22.4	22.4	23.1	19.6	25.0
65	19.0	19.5	19.0	17.2	18.8	18.8	19.3	16.5	21.0
70	15.5	16.1	15.3	14.2	15.4	15.4	15.7	13.6	17.2
75	12.2	13.0	12.0	11.4	12.3	12.3	12.3	11.0	13.5
80	9.3	10.1	9.0	9.0	9.4	9.6	9.3	8.8	10.4
85	6.8	7.5	6.5	6.9	6.9	7.3	6.7	6.8	7.7

Female

Exact Age in Years	2009-2011 Total	2009-2011 Hispanic/ Latino	2009-2011 Non-Hispanic/ Latino White	2009-2011 Non-Hispanic/ Latino Black	2019-2021 Total	2019-2021 Hispanic/ Latino	2019-2021 Non-Hispanic/ Latino White	2019-2021 Non-Hispanic/ Latino Black	2019-2021 Asian and Pacific Islander†
0	83.2	84.7	83.4	79.8	83.3	83.9	84.3	79.2	87.2
1	82.5	84.0	82.6	79.4	82.6	83.2	83.5	78.7	86.3
5	78.6	80.0	78.7	75.5	78.6	79.2	79.5	74.8	82.4
10	73.6	75.0	73.7	70.6	73.7	74.2	74.6	69.8	77.4
15	68.7	70.1	68.7	65.6	68.7	69.3	69.6	64.9	72.4
20	63.7	65.1	63.8	60.7	63.8	64.3	64.6	59.9	67.5
25	58.8	60.2	58.9	55.8	58.9	59.4	59.7	55.1	62.5
30	53.9	55.3	53.9	51.0	54.0	54.5	54.8	50.3	57.6
35	49.0	50.4	49.0	46.2	49.1	49.7	49.9	45.5	52.7
40	44.2	45.6	44.1	41.5	44.3	44.9	45.1	40.9	47.8
45	39.5	40.8	39.4	37.0	39.6	40.2	40.3	36.3	42.9
50	34.9	36.2	34.8	32.7	35.0	35.5	35.6	31.9	38.2
55	30.5	31.7	30.3	28.5	30.5	31.0	31.0	27.8	33.5
60	26.1	27.3	25.9	24.5	26.2	26.6	26.6	23.8	28.9
65	21.9	23.0	21.6	20.7	22.1	22.4	22.4	20.2	24.4
70	18.0	18.9	17.7	17.1	18.2	18.4	18.3	16.8	20.1
75	14.2	15.1	13.9	13.7	14.4	14.7	14.4	13.5	16.0
80	10.8	11.5	10.5	10.6	11.0	11.2	10.9	10.5	12.1
85	7.8	8.4	7.5	7.8	8.0	8.1	7.7	7.9	8.7

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 2010 are used to calculate 2009-2011 life expectancy. Population estimates for 2019-2021 are used to calculate 2019-2021 life expectancy. See Technical Notes: Population.

Table M25. Life Expectancy at Specified Ages, Overall and by Sex, New York City, 2014 - 2023

Total

Exact Age in Years	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
0	81.8	81.9	82.0	82.2	82.4	82.6	78.0	80.7	81.5	82.6
1	81.2	81.2	81.3	81.6	81.7	81.9	77.3	80.0	80.8	81.9
5	77.2	77.3	77.4	77.6	77.7	78.0	73.3	76.1	76.9	77.9
10	72.3	72.3	72.4	72.7	72.8	73.0	68.3	71.1	71.9	73.0
15	67.3	67.4	67.4	67.7	67.8	68.0	63.4	66.2	67.0	68.0
20	62.4	62.4	62.5	62.8	62.9	63.1	58.5	61.3	62.1	63.1
25	57.6	57.6	57.7	57.9	58.0	58.3	53.7	56.5	57.3	58.3
30	52.7	52.8	52.9	53.1	53.2	53.5	48.9	51.7	52.5	53.5
35	47.9	48.0	48.1	48.3	48.4	48.7	44.1	47.0	47.8	48.8
40	43.1	43.2	43.3	43.6	43.6	43.9	39.5	42.3	43.1	44.1
45	38.4	38.5	38.7	38.9	38.9	39.2	35.0	37.8	38.6	39.6
50	33.9	34.0	34.1	34.3	34.4	34.6	30.6	33.3	34.1	35.1
55	29.5	29.6	29.8	29.9	30.0	30.2	26.4	29.0	29.8	30.7
60	25.4	25.4	25.6	25.7	25.8	26.0	22.4	25.0	25.7	26.6
65	21.4	21.4	21.6	21.7	21.7	22.0	18.7	21.1	21.8	22.6
70	17.6	17.6	17.8	17.9	17.9	18.1	15.3	17.4	18.0	18.8
75	13.9	13.9	14.1	14.2	14.2	14.4	12.0	13.9	14.4	15.1
80	10.6	10.6	10.8	10.8	10.8	11.0	9.2	10.8	11.1	11.7
85	7.6	7.6	7.7	7.8	7.8	8.0	6.7	7.9	8.2	8.6

Male

Exact Age in Years	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
0	79.2	79.4	79.5	79.7	79.9	80.0	74.5	77.8	78.4	79.7
1	78.6	78.8	78.8	79.0	79.2	79.3	73.8	77.1	77.7	79.0
5	74.6	74.8	74.8	75.1	75.3	75.4	69.8	73.2	73.8	75.1
10	69.7	69.9	69.9	70.1	70.3	70.4	64.9	68.2	68.8	70.1
15	64.7	64.9	64.9	65.2	65.4	65.5	59.9	63.2	63.9	65.2
20	59.8	60.0	60.0	60.3	60.5	60.6	55.0	58.4	59.0	60.3
25	55.1	55.3	55.3	55.5	55.7	55.8	50.4	53.7	54.3	55.6
30	50.3	50.5	50.5	50.8	50.9	51.0	45.7	49.0	49.6	50.9
35	45.5	45.7	45.8	46.0	46.2	46.3	41.0	44.4	45.0	46.3
40	40.8	41.0	41.1	41.4	41.5	41.6	36.5	39.8	40.5	41.7
45	36.2	36.4	36.5	36.7	36.9	37.1	32.1	35.4	36.1	37.3
50	31.8	31.9	32.0	32.3	32.4	32.5	27.9	31.1	31.8	33.0
55	27.6	27.7	27.8	28.0	28.1	28.3	23.9	27.0	27.6	28.7
60	23.6	23.7	23.8	24.0	24.1	24.2	20.2	23.1	23.7	24.8
65	19.8	19.8	20.0	20.2	20.3	20.4	16.7	19.5	20.0	21.1
70	16.3	16.3	16.4	16.5	16.6	16.7	13.5	16.1	16.4	17.5
75	12.8	12.8	12.9	13.0	13.1	13.3	10.6	12.8	13.1	14.1
80	9.7	9.8	9.9	9.9	9.9	10.1	8.1	9.9	10.1	10.9
85	6.9	7.0	7.0	7.1	7.1	7.3	6.0	7.2	7.4	8.1

Female

Exact Age in Years	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
0	84.1	84.1	84.2	84.5	84.5	84.9	81.4	83.5	84.4	85.2
1	83.4	83.4	83.6	83.8	83.8	84.2	80.7	82.8	83.7	84.5
5	79.4	79.4	79.6	79.9	79.8	80.2	76.7	78.8	79.7	80.5
10	74.5	74.5	74.6	74.9	74.9	75.3	71.7	73.9	74.8	75.6
15	69.5	69.5	69.7	69.9	69.9	70.3	66.8	68.9	69.8	70.7
20	64.6	64.5	64.7	65.0	65.0	65.4	61.8	63.9	64.9	65.7
25	59.7	59.7	59.8	60.0	60.1	60.5	56.9	59.0	60.0	60.8
30	54.8	54.7	54.9	55.1	55.1	55.6	52.0	54.1	55.1	55.9
35	49.9	49.9	50.1	50.3	50.3	50.7	47.2	49.3	50.3	51.1
40	45.0	45.0	45.2	45.4	45.4	45.9	42.4	44.6	45.5	46.3
45	40.3	40.3	40.5	40.6	40.7	41.1	37.7	39.8	40.8	41.6
50	35.6	35.7	35.8	36.0	36.0	36.4	33.1	35.2	36.2	37.0
55	31.1	31.2	31.4	31.5	31.5	31.9	28.7	30.8	31.7	32.5
60	26.8	26.8	27.0	27.1	27.1	27.4	24.5	26.5	27.3	28.1
65	22.6	22.6	22.8	22.9	22.9	23.2	20.5	22.4	23.2	23.9
70	18.5	18.6	18.8	18.8	18.8	19.1	16.7	18.4	19.1	19.7
75	14.7	14.7	14.9	15.0	14.9	15.2	13.1	14.7	15.3	15.8
80	11.2	11.2	11.4	11.4	11.4	11.6	9.9	11.3	11.8	12.2
85	7.9	7.9	8.1	8.1	8.1	8.3	7.1	8.2	8.7	8.9

Note: Population data from 2020 are based on 2020 Census counts. Citywide population estimates for 2014-2019 are from "2021 County and Economic Development Regions Population Estimates" by the Cornell Jeb E. Brooks School of Public Policy. Population estimates for 2023 are from the Census Bureau, 2024 Vintage. Single year of age population estimates by demographics for 2014-2019 and 2021 were compiled by the DOHMH, Bureau of Epidemiology Services. 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, 2023

	All		Male		Female	
Cause of Death	**YPLL**	**%**	**YPLL**	**%**	**YPLL**	**%**
Total	**469,093**	**100.0**	**303,499**	**100.0**	**165,594**	**100.0**
Malignant Neoplasms	85,469	18.2	40,998	13.5	44,471	26.9
Trachea, bronchus, and lung	10,797	2.3	5,872	1.9	4,925	3.0
Colon, rectum, and anus	8,778	1.9	5,125	1.7	3,653	2.2
Breast	8,677	1.8	70	0.02	8,607	5.2
Pancreas	6,761	1.4	3,663	1.2	3,098	1.9
Liver & intrahepatic bile ducts	4,605	1.0	3,154	1.0	1,451	0.9
Use of or Poisoning by Psychoactive Substance	80,763	17.2	60,437	19.9	20,326	12.3
Heart Disease	72,542	15.5	50,700	16.7	21,842	13.2
Accidents Except Poisoning by Psychoactive Substance	21,904	4.7	17,013	5.6	4,891	3.0
Motor vehicle	8,465	1.8	6,941	2.3	1,524	0.9
Intentional Self-harm (Suicide)	16,705	3.6	11,886	3.9	4,819	2.9
Assault (Homicide)	15,684	3.3	13,435	4.4	2,249	1.4
Diabetes Mellitus	11,708	2.5	7,480	2.5	4,228	2.6
Cerebrovascular Diseases	10,325	2.2	6,416	2.1	3,909	2.4
Mental and Behavioral Disorders Due to Use of Alcohol	9,574	2.0	7,770	2.6	1,804	1.1
Chronic Liver Disease and Cirrhosis	9,097	1.9	6,487	2.1	2,610	1.6
Chronic Lower Respiratory Diseases	7,130	1.5	3,872	1.3	3,258	2.0
Influenza and Pneumonia	7,043	1.5	4,129	1.4	2,914	1.8
Septicemia	6,301	1.3	3,575	1.2	2,726	1.6
HIV Disease	5,171	1.1	3,925	1.3	1,246	0.8
Essential Hypertension and Hypertensive Renal Diseases	4,216	0.9	2,664	0.9	1,552	0.9
COVID-19	3,334	0.7	1,864	0.6	1,470	0.9
All Other Causes	102,127	21.8	60,848	20.0	41,279	24.9

Table M27. Death Rates by Poverty Level Indicator, New York City, 2014 and 2023

Age-adjusted Death Rates	Low (<10%)			Medium (10 to <20%)			High (20 to <30%)			Very High (≥30%)		
	2023	2014	Change 2014 to 2023	2023	2014	Change 2014 to 2023	2023	2014	Change 2014 to 2023	2023	2014	Change 2014 to 2023
All Causes	397.9	413.0	-3.7%	458.6	537.7	-14.7%	542.6	564.7	-3.9%	680.2	716.3	-5.0%
Premature Deaths	122.3	108.8	12.4%	164.4	149.1	10.3%	220.4	149.1	47.8%	322.5	271.0	19.0%
10 Leading Causes												
Diseases of Heart	114.3	133.2	-14.2%	134.2	173.5	-22.7%	150.3	185.2	-18.8%	184.0	204.5	-10.0%
Malignant Neoplasms	86.1	108.2	-20.4%	91.6	134.7	-32.0%	101.7	130.3	-21.9%	110.7	170.6	-35.1%
Use of or Poisoning by Psychoactive Substance	15.8	6.1	159.0%	24.4	8.3	194.0%	41.5	7.9	425.3%	67.2	14.8	354.1%
Cerebrovascular Diseases	15.9	13.5	17.8%	16.9	18.7	-9.6%	23.9	18.8	27.1%	24.3	24.8	-2.0%
Diabetes Mellitus	10.7	11.1	-3.6%	14.1	17.0	-17.1%	17.6	23.0	-23.5%	23.7	33.4	-29.0%
Chronic Lower Respiratory Diseases	11.0	15.2	-27.6%	11.9	18.5	-35.7%	14.2	20.4	-30.4%	18.6	25.6	-27.3%
Influenza and Pneumonia	8.8	16.5	-46.7%	12.0	22.7	-47.1%	15.3	25.8	-40.7%	20.6	31.4	-34.4%
Accidents Except for Drug Poisoning	10.0	8.7	14.9%	11.5	10.5	9.5%	14.3	10.9	31.2%	16.0	12.9	24.0%
Essential Hypertension and Renal Diseases	8.6	6.0	43.3%	10.1	9.8	3.1%	12.3	12.5	-1.6%	15.9	16.2	-1.9%
Septicemia	5.6	3.7	51.4%	8.4	4.9	71.4%	11.8	6.1	93.4%	14.7	7.7	90.9%

Note: The 2014 poverty level is based on the 2010-2014 US Census Bureau American Community Survey, and the 2023 poverty level is based on the 2018-2022 US Census Bureau American Community Survey.

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Table M28. Leading Causes of Death, New York City, 2014, 2022 and 2023

	2023		2022			2014		
Cause	Rank	Crude Death Rate	Rank	Crude Death Rate	Change to 2023 (%)	Rank	Crude Death Rate	Change to 2023 (%)
Diseases of Heart*	1	190.9	1	201.6	-5.3%	1	194.5	-1.9%
Malignant Neoplasms	2	137.3	2	136.4	0.7%	2	157.6	-12.9%
Use of or Poisoning by Psychoactive Substance†	3	37.7	4	37.5	0.5%	9	10.5	259.0%
Cerebrovascular Diseases	4	26.6	5	26.1	1.9%	6	21.0	26.7%
Diabetes Mellitus	5	19.6	6	21.2	-7.5%	5	21.2	-7.5%
Chronic Lower Respiratory Diseases	6	18.0	9	17.0	5.9%	4	21.5	-16.3%
Influenza and Pneumonia	7	17.7	7	18.9	-6.3%	3	26.1	-32.2%
Accidents Except Drug Poisoning	8	16.4	8	17.5	-6.3%	7	12.1	35.5%
Essential Hypertension and Renal Diseases	9	15.0	10	14.9	0.7%	8	11.7	28.2%
Septicemia	10	12.6	11	12.4	1.6%	10	6.0	110.0%

*See the *2010 Summary of Vital Statistics: Mortality – Special Section: Cause of Death Quality Improvement Initiative* for information on trends in cause of death reporting, particularly for heart disease.
†Appendix B Technical Notes: Drug-Related Deaths.

TECHNICAL NOTES

Annual Summary of Vital Statistics and HealthyNYC:

The Bureau of Vital Statistics provides data for the HealthyNYC Campaign for Healthier, Longer Lives, which focuses on seven drivers of changes in life expectancy and mortality disparities among NYC residents: COVID-19, heart and diabetes-related diseases, screenable cancers, drug overdose, homicide, suicide, and pregnancy-associated deaths among non-Hispanic/Latino Black people. Counts and rates presented in HealthyNYC materials will not match those in the Annual Summary for a few reasons. The HealthyNYC numbers are based on NYC residents died in NYC only, while the Annual Summary is based on all events that occur in NYC. Moreover, classification for some causes of death may differ, as the Annual Summary uses standard classifications for leading causes, while HealthyNYC classifications were defined by ICD-10 codes as specified by subject matter experts at NYC DOHMH. Link to HealthyNYC: https://www.nyc.gov/site/doh/about/about-doh/healthynyc.page

POPULATION

City Population

The 2023 NYC population data used in the tables and figures are based on the US Census Bureau 2023 Census population estimates as extracted from the Census Bureau website (https://www.census.gov/data/datasets/time-series/demo/popest/2020s-counties-detail.html). The 2023 US Census population estimate for New York City (NYC) is 8,258,035. See Table PC2 for 2023 NYC population by age, mutually exclusive race and Hispanic origin, and sex. Population data used to compute rate trends (2014-2023) were estimated by DOHMH, Bureau of Epidemiology Services, using the methodology found below under Community District Population Estimates. Citywide population estimates for 2013-2021 are from "2021 County and Economic Development Regions Population Estimates" by the Cornell Jeb E. Brooks School of Public Policy.

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 or South America. 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 2020 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 the 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.

2023 Community District population

The 2023 Community District population data were calculated based on the Census 2023 released in June 2024 (see Historical Technical Notes for previous years' methods).

LIFE EXPECTANCY

For life expectancy computations in 2023, single-year age group populations were based on census population estimates. Citywide life expectancies by sex and race/ethnicity for 2020 are calculated based on 2020 census population. Life expectancies for 2012-2019 have been updated from the previous Summary using linear interpolation of single-year age group populations based on 2010 and 2020 census counts. Life expectancy for Asians and Pacific Islanders (API) was presented for the first time in the decennial life expectancy calculation using 2019-2021 combined population data (Table M24) in 2021. Life expectancy in 2015-2023 for Asians and Pacific Islanders is now being presented due to the growing API population in the City (Mortality Section Figure 2). 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. As a result, 22-age group population estimates are calculated and provided by the Bureau of Epidemiology Services based on the Census Bureau's estimates or census year population counts.

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/Latino White, non-Hispanic/Latino Black, and 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: Tables IM2 and IM7.

GEOGRAPHICAL UNITS

Residency Status in Data Presentation

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

Vital events that occurred to New York City residents while outside of New York City are not included in this report, except for Life Expectancy. Life expectancy calculations use national data from the NCHS (Mortality Figures 1-2; Tables M24-M25) or the New York State Department of Health (Mortality 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.

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-born," and "Not Stated." When mother's birthplace is classified by country-specific categories, Puerto Rico is categorized apart from the United States.

Borough of Residence

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

Community District (CD)

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). Community District was added to the Summary beginning in 1998.

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: <10% of the population below poverty	Medium: 10-19% of the population below poverty	High: 20-29% of the population below poverty	Very High: ≥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 the poverty indicator can be found at http://www.hsph.harvard.edu/thegeocodingproject/.

VITAL EVENT RATES

DEATH RATES

Death Rate, all causes per 1,000 population

$$\frac{Deaths\ All\ Causes}{Population} x1{,}000$$

Death Rate, specified causes per 100,000 population

$$\frac{Deaths\ due\ to\ Specific\ Cause\ (specified\ ICD10\ codes)}{Population} x100{,}000$$

Death Rate, age and sex specific per 1,000 population

$$\frac{Deaths\ to\ persons\ of\ specified\ age\ group\ and\ sex}{Population, specified\ age\ group\ and\ sex} x1{,}000$$

Death Rate, age-adjusted per 100,000 population

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 Table M2 which uses the age groups in the table.

Maternal Mortality Ratio – World Health Organization Definition (in Table M13)

$$\frac{Deaths\ due\ to\ complications\ of\ pregnancy, childbirth\ and\ the\ puerperium\ occurring\ within\ 42\ days\ of\ delivery\ *}{Live\ births} x100{,}000$$

*Deaths 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

$$\frac{Fetal\ Deaths\ 28\ Weeks\ and\ Over + Infant\ Deaths\ Under\ 7\ days}{Fetal\ Deaths\ 28\ Weeks\ and\ Over + Live\ Births} x1{,}000$$

TECHNICAL NOTES

Infant Mortality Rates

Infant Mortality Rate	Neonatal Mortality Rate
$\frac{Deaths\ to\ infants < 1\ year\ old}{Number\ of\ live\ births} x1{,}000$	$\frac{Deaths\ to\ infants < 28\ days\ of\ life}{Number\ of\ live\ births} x1{,}000$
Early Neonatal Mortality Rate	**Late Neonatal Mortality Rate**
$\frac{Deaths\ to\ infants < 7\ days\ of\ life}{Number\ of\ live\ births} x1{,}000$	$\frac{Deaths\ to\ infants\ 7-27\ days\ of\ life}{Number\ of\ live\ births} x1{,}000$

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
$\frac{Live\ births}{Female\ population\ aged\ 15\ to\ 44\ years} x1{,}000$	$\frac{\Sigma\ (Births, Spontaneous, Induced\ Terminations)}{Female\ population\ of\ specific\ age\ group} x1{,}000$

Birth Rates

Total birth rate	Age-specific birth rate
$\frac{Total\ births}{Total\ population\ regardless\ of\ age\ or\ sex} x1{,}000$	$\frac{Births\ among\ specific\ age\ group}{Female\ population\ of\ specific\ age\ group} x1{,}000$

Total spontaneous termination rate	Age-specific spontaneous termination rate
$\frac{Total\ spontaneous\ terminations}{Female\ population\ ages\ 15\ to\ 44\ years} x1{,}000$	$\frac{Spontaneous\ terminations\ among\ specific\ aged\ females}{Female\ population\ of\ specified\ age\ group} x1{,}000$
Total induced termination of pregnancy rate	**Age-specific induced termination of pregnancy rate**
$\frac{Total\ induced\ terminations}{Female\ population\ ages\ 15\ to\ 44\ years} x1{,}000$	$\frac{Induced\ terminations\ among\ specific\ aged\ females}{Female\ population\ of\ specified\ age\ group} x1{,}000$

Fetal-infant Mortality Rate (FIMR)

$$\frac{(Fetal\ deaths\ [weight \geq 500\ grams\ and\ gestational\ age \geq 24\ weeks] + infant\ deaths\ [under\ 1\ year\ old])}{(Live\ births\ [birthweight \geq 500\ grams])} x1{,}000$$

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 aged 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 PO23). 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) 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 at the end of the Summary)

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, now replaced by eVital as of October 15, 2018) 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, and in 2016, EDRS reporting became mandatory for hospitals, skilled nursing facilities, and hospices reporting ≥10 deaths/year. As of April 2020, all medical providers are required to electronically report deaths that occurred in NYC using eVital; this includes providers that submit less than 10 certificates per year.

The two forms are similar. Both collect important information pertaining to the fact of death (person, place, and time of death). Both collect "personal particulars" which include items such as decedent's Social Security number, address, birthplace, 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. On the OCME certificate, the cause of death is entered 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.

TECHNICAL NOTES

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 2022, 99.7% of death certificates were filed electronically using eVital. 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 "Hospital Inpatient", "Emergency/Outpatient," and "Dead on Arrival". "Dead on Arrival" refers to decedents brought to the hospital, often by emergency medical services, could not be resuscitated, or died en route. "Nursing home/Long Term Care Facility" includes nursing homes, skilled nursing facilities, long term care facilities, and assisted living facilities that provide care beyond custodial care. "Decedent's Residence" refers to independent living and includes the decedent's private houses and apartments . "Other" refers to all other locations such as a prison, doctor's office, car, public space, another person's residence, work, etc. In situations where the place of death is unknown, it will be reported based on where the body is found.

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 Cause of Death Quality (nyc.gov).

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 by causes of death. 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.

TECHNICAL NOTES

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 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:

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

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 Services. The relative risks (RR) of death for current and former smokers ≥35 years of age for 19 smoking-related diseases was estimated from the American Cancer Society's Cancer Prevention Study. The smoking-attributable fraction (SAF) for each smoking-related disease and sex is calculated using the following formula:

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

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

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

$$SAM = Number\ of\ deaths \times SAF$$

Summing across age categories provides the sex-specific estimate of SAM for each disease. Total SAM is the sum of the sex-specific SAM estimates. A detailed description of the methodology is available at: https://chronicdata.cdc.gov/Health-Consequences-and-Costs/Smoking-Attributable-Mortality-Morbidity-and-Econo/w47i-r23n.

Beginning in 2014, substantial changes in SAM calculation were made based on a 2014 Surgeon General Report using more age strata and using 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) was added – this was inadvertently omitted when CDC analyses began being based on ICD-10 several years ago. See chapter 12 of 2014 Surgeon General Report at following link:
https://www.ncbi.nlm.nih.gov/books/NBK179276/pdf/Bookshelf_NBK179276.pdf

ALCOHOL-ATTRIBUTABLE MORTALITY (Table M14)

Alcohol-attributable deaths in Table M14 represent the number of New York City deaths attributed to alcohol. Alcohol-attributable mortality (AAM) was calculated following guidelines from the Alcohol-Related Disease Impact (ARDI) program and applying relevant alcohol-attributable fraction (AAF). These AAFs are either given or calculated using New York City alcohol consumption prevalence for the reported year. For conditions that, by definition, are caused by alcohol use, the AAF was set equal to 1.0. For other conditions, especially injuries, the AAF are 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:

$$AAF_{ANY} = \frac{P_1(RR_1 - 1) + P_2(RR_2 - 1) + P_3(RR_3 - 1)}{1 + P_1(RR_1 - 1) + P_2(RR_2 - 1) + P_3(RR_3 - 1)}$$

Where:

P1 is the prevalence of low volume alcohol consumption.

P2 is the prevalence of medium volume alcohol consumption.

P3 is the prevalence of high-volume alcohol consumption.

RR1 is the relative risk low volume alcohol consumption.

RR2 is the relative risk medium volume alcohol consumption.

RR3 is the relative risk high volume alcohol consumption.

The three categories of alcohol consumption used ("Low", "Medium", and "High") with differing cutoffs depend on the literature assessed associated conditions. To estimate AAM, AAFs were multiplied by the number of New York City deaths for specific causes defined by the CDC's National Center for Chronic Disease Prevention and Health Promotion. Detailed description of the methodology is available at:
https://www.cdc.gov/alcohol/ardi/alcohol-related-icd-codes.html.

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. See Alcohol Related Disease Impact (ARDI) home page at the following link for details:
https://nccd.cdc.gov/DPH_ARDI/Default/Default.aspx

On September 3, 2020, CDC made corrections to the alcohol-attributable fractions for five acute causes of death: drownings, fall injuries, fire injuries, firearm injuries, and homicide. On July 20, 2020, new conditions that were added (e.g., cancers of the stomach and pancreas) and some name modifications (e.g., "ischemic heart disease" is now labeled as "coronary heart disease"). Some conditions that were previously included in ARDI were removed based on updated scientific information (e.g., spontaneous abortion). The ICD-10 codes for defining several causes of death (e.g., liver cirrhosis unspecified, atrial fibrillation, and poisonings) were revised. The relative risks and alcohol-attributable fractions were updated to reflect more recent scientific literature. We incorporated the same corrections beginning in the 2019 Summary of Vital Statistics. See the following link for details about the corrections and updates: https://www.cdc.gov/alcohol/ardi/methods.html

Further changes were made after we published 2019 Summary of Vital Statistics. See ARDI Custom Data User Manual at https://www.cdc.gov/alcohol/ardi/pdfs/ARDI_Custom_Data_User_Manual.pdf. We adopted these changes starting with the 2020 Summary of Vital Statistics.

In 2022, alcohol-attributable deaths were calculated directly using CDC ARDI website: HTTPS://NCCD.CDC.GOV/DPH_ARDI/DEFAULT/DEFAULT.ASPX

COMPLICATIONS OF MEDICAL AND SURGICAL CARE (Tables M1, M2)

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

"Mental and behavioural 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. It is also called "Use of or poisoning by psychoactive substance" or "Drug Use/Poisoning" combining 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 15, 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 Tables M1, M13, and M18. "Mental and behavioural 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 Tables 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.

EXTERNAL CAUSES OF DEATH (Mortality Figures 18-21; 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. These "pending final determination" cases are rare.

Deaths classified as "events of undetermined intent" are due to external causes for the purpose of statistical analysis. Information on errors in coding external causes of death prior to 2007 is described in Cause of Death Coding.

FATAL OCCUPATIONAL INJURIES (Table M17)

Table M17 is based on data from US Department of Labor's Bureau of Labor Statistics (https://www.bls.gov/iif/state-data/fatal-occupational-injuries-in-new-york-city-2022.htm). These deaths, unlike other presentations of NYC vital statistics, are based on the location of the injury, regardless of the residence of the decedent 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.

TECHNICAL NOTES

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

Homicide (Mortality Figure 21; Table M20)

A homicide is defined as the action of one person causing the death of another regardless of intent (e.g., whether self-defence 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 several 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 "injuries inflicted by police or other law-enforcing agents … in the course of arresting or attempting to arrest … and other legal action." Since 2003, deaths from legal intervention have been reported separately in Tables M1 and M20 and are excluded from the homicide counts in Tables M11 and M12.

NYPD Murder and Non-Negligent Manslaughter statistics count all 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; 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 Hispanic/Latino, non-Hispanic/Latino white, non-Hispanic/Latino Black, and Asian and Pacific Islanders (API) individuals . 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). The life expectancy for API was calculated for 2019-2021 by using the same methodology in Table M24 due to the growing API population in New York City. Besides, due to the increasing interest in disparities by race/ethnicity in life expectancy and changes in the population in New York City, we began calculating annual life expectancy by race/ethnicity in 2011. Life expectancies in Figures 1-2, Tables M24, and 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 World Trade Center disaster deaths are not included in calculation of life expectancy.

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 the collection of Hispanic ancestry information, Hispanic/Latino immigration patterns may result in overestimated life expectancy if Hispanics/Latinos move out of the US before death at a greater rate than other ethnic groups. The Hispanic/Latino population tends to be younger than other ethnic groups, which may lead to underestimates of Hispanic/Latino death rates and overestimates of Hispanic/Latino life expectancy.

Maternal Death and Maternal Mortality (Table 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 19, Table M18)

The Bureau of Vital Statistics (BVS) methodology for counting Motor Vehicle Deaths differs from that of the NYC Department of Transportation (DOT) and NYPD in several ways. First, DOT and NYPD include deaths resulting from motor vehicle crashes that happen within NYC city limits, regardless of where the death occurred, whereas BVS reports deaths that happen within NYC city limits, regardless of where the crash occurred. Second, in cases where serious injury suffered during a motor vehicle crash results in death from injury sequelae (e.g., death occurs one month later), the fatality will be counted by DOT and NYPD for the month during which the crash occurred. However, BVS will report that same death by the actual date of death, not the date of injury occurrence. Third, DOT and NYPD do not include deaths resulting from illness while operating a motor vehicle in their traffic fatality count, while BVS does, consistent with the standardized NCHS approach. Lastly, DOT and NYPD reports do not include deaths which occur on private roadways, such as driveways, while BVS reports include these. All the above distinctions apply to counts of non-motor vehicle-involved bicyclist deaths, as well.

Premature Deaths (Mortality: Figures 10-17, Tables 3-4; Tables M9-M10)

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 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 because this large number would impact year-to-year trends.

YEARS OF POTENTIAL LIFE LOST (Mortality 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 cut-off age, 65 or 75, as follows:

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

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

PREGNANCY OUTCOMES

BIRTHS

BIRTH CERTIFICATE (see copy at the end of the Summary)

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 (DOHMH).

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 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: https://www1.nyc.gov/site/doh/providers/reporting-and-services/evital.page. Effective January 2008, BVS required all hospitals registering more than 100 births per year to use the Electronic Vital Events Registration System, or EVERS (now replaced by eVital as of October 15, 2018). After 2012, more than 99% of all births were registered electronically through eVital. Any events registered after file closure (typically occurring within 5 months of year-end) are excluded from this report. Such late registrations are rare.

TECHNICAL NOTES

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 Tables PO6, PO7, PO11, PO12 and Map PO Figure 14.

Breast Feeding (Tables PO6-7, PO12)

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

Table PO1 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 Pregnancy Outcome Counts and 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 Tables PO4-PO7, PO11, and PO12, respectively, include either gestational age categories or a dichotomous indicator of preterm (<37 weeks gestation) birth.

Beginning in 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 at the end of the Summary)

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 at the end of the Summary)

Starting in 2023, marital status for the event is excluded in this report (Tables PO18, PO19). In addition, there are cases with unknown borough of occurrence reported.

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 (≥24 weeks 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, or EVERS (now replaced by eVital as of October 15, 2018); all facilities reporting 100 or more induced terminations of pregnancy per year also are required to file electronically via eVital; 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 PREGNANCY OUTCOME RATES above.

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, ≥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

2020

Tables and figures with 2020 single year population data were from 2020 Census counts.

2013-2019

Tables and figures with 2013-2019 data used intercensal population estimates determined by the Census Bureau in 2013-2019 vintage files. Tables and figures with 2001-2012 data used intercensal population estimates determined by the Census Bureau, released as of September 2012.

2010-2012

Tables and figures with single-year data used the Census population estimates for respective years except for 2010 when the Census population count was used. Tables and figures with 2001-2010 data used intercensal population estimates determined by NYC Department of City Planning as of July 1, 2010. Single-year population data after 2010 were 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 2000 Census data.

2000-2004

Population counts used US Census citywide decennial population counts.

Intercensal years between 1990 and 2000, 2000 and 2010, 2010 and 2020

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, 2000, and 2010 and 2020 were US Census counts.

COMMUNITY DISTRICT

2013-2020

Community District population estimates for 2013-2019 were based on Census intercensal estimates by county, age, race, and sex, 2013-2020 vintages, and interpolated by the Bureau of Epidemiology Services. See the following description of 2012 data for details.

2012

Community District population estimates for the years 2010-2012 were 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 an 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 an 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 were 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, the DOHMH Bureau of Epidemiology 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 was imputed. While the modified race summary file created by the Census used information from other members of the same household, 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 used 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 each 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 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 2008

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 8) by Community District 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 population 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/Latino White and non-Hispanic/Latino Black. There was no change for Hispanic/Latino population.

TECHNICAL NOTES

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

RACE/ETHNICITY

1993 – present

The death certificate was revised in June 1993 to require funeral directors to provide race and ancestry information, presumably from decedents' family members. Beginning in 2003, multiple races were added, following the 2000 Census definition.

Through 1992

Medical certifier provided race and ancestry information.

CAUSE OF DEATH CODING

2007 – present

ICD-coding is conducted by SuperMICAR, and any rejections are manually coded by NCHS certified nosologists.

Through 2006

ICD-coding was conducted manually by NCHS certified nosologists.

ALCOHOL-RELATED DEATHS: ICD CODING

2008 – present

Following increasing deaths due to binge drinking, the ICD codes for alcohol-related deaths were re-evaluated 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, instead 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

2008 – present

Unintentional Drug-related Overdose Deaths (Mortality: Figure 19), a definition used in Take Care New York (TCNY) was reported in the Summary starting from 2008. The definition had 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 manner of deaths confirmed by medical examiner to be accidental.

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.

TECHNICAL NOTES

MATERNAL DEATHS AND MATERNAL MORTALITY

Through 1998

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

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) was dropped due to unreliable reporting.

SMOKING-ATTRIBUTABLE MORTALITY (SAM)

2011-2012

Due to the concern of underestimating smoking-attributable mortality caused by the rapid decrease in smoking prevalence in New York City, data were presented by "Deaths and age-adjusted death rates for selected smoking-related causes of death per 100,000 population (35 years and over)."

2005-2010, 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.

COVID-19 MORTALITY

2020-2021 (Special Section)

BIRTHS

AGE-SPECIFIC BIRTH RATES

Through 2010

Until 2011, youngest age-specific birth rates included events within the specific age range (For example, 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 the change after 2010.

Until 2011, the oldest age-specific birth rate presented was 40 to 44. See current technical notes for the 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 high and data were not shown. By 2010, reporting improved such that data could be released and included in the Summary.

TECHNICAL NOTES

ANCESTRY, OTHER

2008-2010

Following the 2008 transition to EVERS, the number of births registered with "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 births to unmarried mothers was 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.

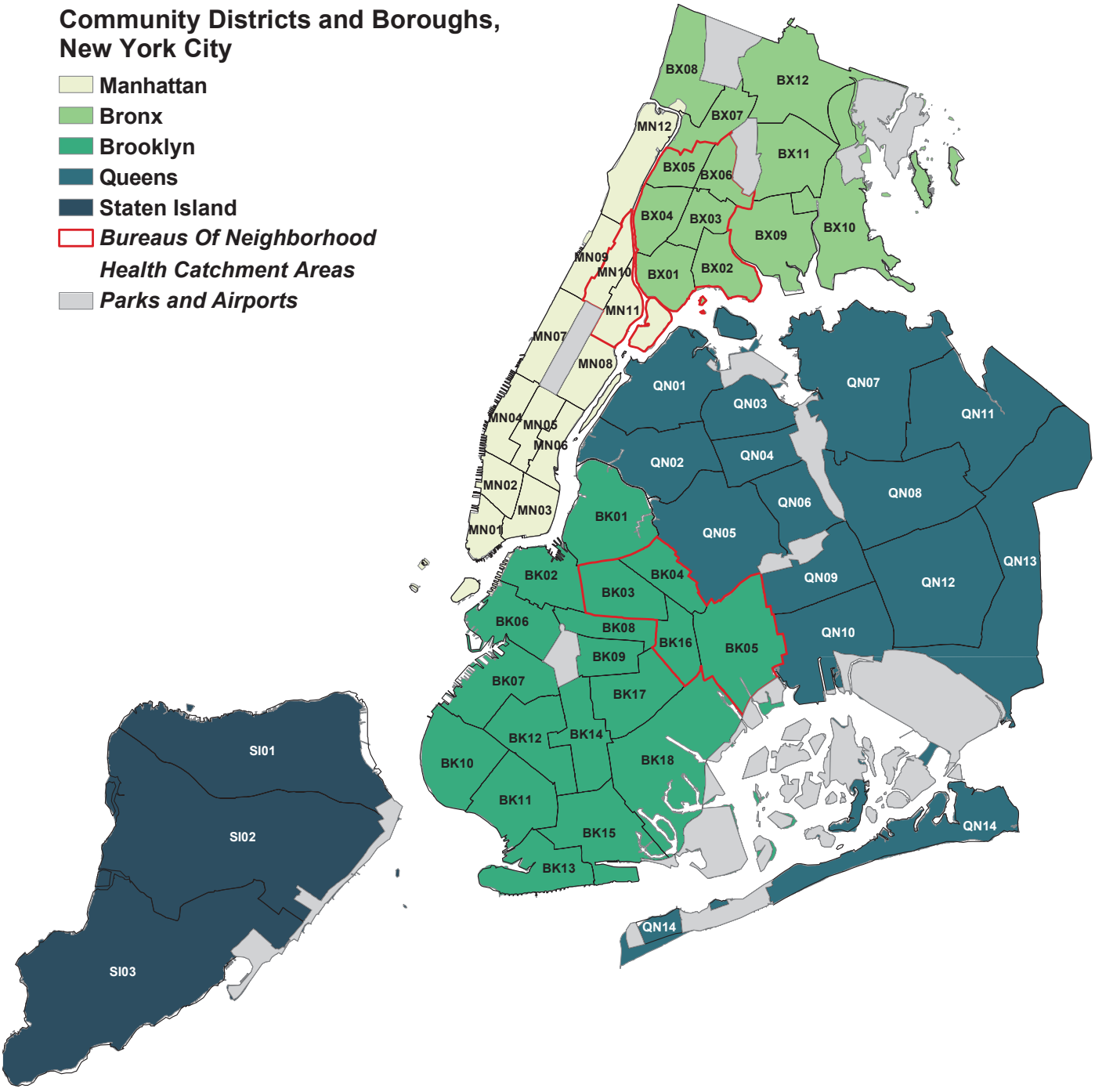
INDUCED AND SPONTANEOUS TERMINATION OF PREGNANCY

REPORTING

Through 2007

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

COMMUNITY DISTRICTS AND BOROUGHS, NEW YORK CITY



VITAL EVENT CERTIFICATES

VR-6S
(Rev. 1/20)

DATE FILED

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

CERTIFICATE OF BIRTH

CERTIFICATE NO.

Cert. No.

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

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 f... ...ress)

5c. TYPE OF PLACE ☐ Hospital ☐ Freestanding Birthing Center ☐ Clinic/Doctor's ...e ☐ Home Deli... Planned to ...ver at home? ☐ Yes ☐ No ☐ Unknown

☐ Other-specify: _____

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

6b. M...HER/PAREN... D... OF BIRTH (Mo... (Day) (Ye...yy)

6c. MO...ER/PARENT'S BIRTHPLACE C... State or foreign country

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

7c. City or town

7d. Street and numb... Apt. ZIP Code

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

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

8b. FAT...PARENT'S DATE ...IRTH (Month) ...Day) (Year - yyyy)

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

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

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

Signed _____

Name of Signer _____ (Type or ...int)

Address _____

Date Signed _____ Year - yyyy _____

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

Address _____ Apt. _____

City _____ State _____ ZIP _____

Place:

Died: Date:

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 ☐

Father/Parent's SSN: _____

Mother/Parent's SSN: _____

VOID

VR-6S
(Rev. 1/20)

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/Latino (Mexican, Puerto Rican, Cuban, Dominican, etc.)	☐

Specify

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

☐ NOT Hispanic/Latino (Italian, African American, Haitian, Pakistani, Ukrainian, Nigerian, Taiwanese, etc.)	☐

Specify

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

12. PARENT'S LENGTH OF TIME IN US

a. Mother/Parent: If born outside of the United States, how long lived in U.S.?
years _____ **or** 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	☐ No Provider
☐ C(N)M/NP/PA/Other Midwife	☐ No Information
☐ Clinic	☐ Other

e. Risk Factors in this Pregnancy
(Check **all** that apply)

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

f. Infections Present and/or Treated During Pregnancy
(Check **all** that apply)

☐ Gonorrhea	☐ Hepatitis C
☐ Syphilis	☐ Tuberculosis
☐ Herpes Simplex (HSV)	☐ Rubella
☐ Chlamydia	☐ Bacterial Vaginosis
☐ Hepatitis B	☐ None of the above

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

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

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

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

i. Illicit and other Drugs Used During This Pregnancy?
☐ Yes ☐ No

If yes, check **all** that apply

☐ Heroin	☐ Marijuana
☐ Cocaine	☐ Sedatives
☐ Methadone	☐ Tranquilizers
☐ Methamphetamine	☐ Anticonvulsants

j. Mother/Parent Pre-Pregnancy Weight _____ pounds

k. Mother/Parent Height _____ feet _____ inches

l. Obstetric Procedures
(Check **all** that apply)

☐ Cervical cerclage	☐ Fetal genetic testing
☐ Tocolysis	☐ None of the above
☐ External cephalic version: ☐ Successful ☐ Failed	

m. If mother/parent 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	☐ Other
☐ Private Insurance	☐ Self-pay
☐ Other govt/CHPlusB	☐ Unknown
☐ CHAMPUS/TRICARE	

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

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

18. MATERNAL MORBIDITY

(Check **all** that apply)

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

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(Rev. 10/19)

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

(Each question MUST be answered)

CONFIDENTIAL MEDICAL REPORT OF BIRTH (2 of 2)

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

NAME OF CHILD _____

CERTIFICATE NO. _____

19. LABOR AND DELIVERY

a. If birth occured in hospital, was mother/parent transferred in before giving birth?
If yes, name of facility transferred from

☐ Yes _____
☐ No

b. Mother/Parent Weight at Delivery

_____ pounds

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

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

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

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

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

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

2. Complications from any of the above?
☐ Yes ☐ No

Method of Delivery

f. Fetal Presentation at Birth

☐ Cephalic
☐ Breech
☐ Other

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

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

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

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

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

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

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

☐ Failure to progress
☐ Fetus at Risk
☐ Other

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

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

☐ Failure to progress
☐ Fetus at Risk
☐ Other

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

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

20. INFANT

a. Birthweight

_____ Pounds _____ Ounces or _____ Grams

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

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

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

c. Apgar Score at

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

d. Clinical Estimate of Gestation

Completed Weeks: _____

e. Infant Transferred

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

f. If transferred, name of facility transferred to:

_____

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

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

h. Hepatitis B Inoculation

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

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

i. Is infant living at time of report?
☐ Yes ☐ No

j. How is infant being fed? (Check **one**)
☐ Breast milk ☐ Both
☐ Formula ☐ Neither

Congenital Anomalies

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

13. None of those listed above ☐

DATE FILED

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

CERTIFICATE OF DEATH

Certificate No.

DOHMH USE ONLY

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

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

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

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 CareFacility; 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 Medical Certifier _____ (Type or Print) Signature _____ D.O. M.D. NP RPA

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 | Under 1 Day: Days 3 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 (prior to first marriage)(First, Middle, Last)
- 18. Father/Parent name (prior to first marriage) (First, Middle, Last)
- 19. Mother/Parent 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. 1/20)

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

CONFIDENTIAL MEDICAL REPORT

VR 15 (Rev. 1/20)

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/Latino (Mexican, Puerto Rican, Cuban, Dominican, etc.)
  Specify _____
- ❑ NOT HIspanic/Latino (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.

		APPROXIMATE INTERVAL: ONSET TO DEATH
PART I	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. NP M.D. RPA 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, Suffix)

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: 2 Months 3 Days; Under 1 Day: 4 Hours 5 Minutes | 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 (prior to first marriage)(First, Middle, Last)

22. Father/Parent Name (prior to first marriage) (First, Middle, Last) | 23. Mother/Parent 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. 1/20)

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

MEDICAL EXAMINER'S SUPPLEMENTARY REPORT

VR 16 (Rev. 1/20)

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/Latino (Mexican, Puerto Rican, Cuban, Dominican, etc.)

Specify _____

- ❑ NOT Hispanic/Latino (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)

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

CERTIFICATE OF SPONTANEOUS TERMINATION OF PREGNANCY

WORKSHEET (1 of 3)

VR-17
(REV. 12/20)

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 ☐ Undetermined

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
☐ Hospital – Amb. Surg.
☐ Hospital – Labor/Labor and Delivery
☐ Hospital – Other
☐ Freestanding Birthing Center
☐ Home
☐ Clinic/Doctor's Office
☐ 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)

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

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

10. AGE

11. SEX ☐ Male ☐ X ☐ Female

12. BIRTHPLACE City State Country

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)

17. AGE

18. SEX ☐ Male ☐ X ☐ Female

19. BIRTHPLACE City State Country

ATTENDANT/CERTIFIER

20. ATTENDANT NAME AT DELIVERY:
☐ MD ☐ DO
☐ LiC. Midwife ☐ PA
☐ Other, (specify) ☐ NP
(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. 12/20)

THE CITY OF NEW YORK – DEPARTMENT OF HEALTH AND MENTAL HYGIENE
CONFIDENTIAL MEDICAL REPORT OF SPONTANEOUS TERMINATION OF PREGNANCY

(Each question MUST be answered)

WORKSHEET (2 of 3)

Mother/Parent Medical Record 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/Latino (Mexican, Puerto Rican, *Cuban, Dominican, etc.)* *Specify*	☐
_____ (Mother/Parent)		_____ (Father/Parent)
☐	NOT Hispanic/Latino (Italian, African American, Haitian, Pakistani, Ukrainian, 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: 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 _____

28. CAUSE/CONDITIONS CONTRIBUTING TO FETAL DEATH

a. Initiating Cause/Condition	b. Other Significant Causes or Conditions
(Among the choices below, please select the one that most likely began the sequence of events resulting in the death of the fetus).	(Select or specify all other conditions contributing to death).
☐ Maternal Conditions/Diseases (Specify) _____	☐ 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) _____	☐ 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) _____	☐ Other Obstetrical or Pregnancy Complications (Specify) _____
☐ Fetal Anomaly (Specify) _____	☐ Fetal Anomaly (Specify) _____
☐ Fetal Injury (Please consult with OCME) _____	☐ Fetal Injury (Please consult with OCME) _____
☐ Fetal Infection (Specify) _____	☐ Fetal Infection (Specify) _____
☐ Other Fetal Conditions/Disorders (Specify) _____	☐ Other Fetal Conditions/Disorders (Specify) _____
☐ Unknown	☐ Unknown

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

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

29. PRENATAL

a. Primary Payor (Check one)
☐ Medicaid ☐ Self-pay
☐ Other govt. insurance ☐ None
☐ Private insurance ☐ Unknown

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

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

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

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

f. Date of First Live Birth (mm/yyyy) ____/_____

g. Date of Last Live Birth (mm/yyyy) ____/_____

h. Total Number of Other Pregnancy Outcomes _____ ☐ None
(Spontaneous or Induced losses or ectopic pregnancies)
Do not include this fetus

i. Date of Last Other Pregnancy Outcome
(mm/yyyy) ____/_____

30. MOTHER/PARENT HEALTH

a. Height _____ feet _____ inches

b. Pre-Pregnancy Weight _____ pounds

c. Weight Immediately Prior to Event _____ pounds

d. Cigarette Smoking

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

If yes, average number of cigarettes or packs/day (enter 0 if None)

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

e. Alcohol use during this pregnancy?
☐ Yes ☐ No ☐ Unknown

f. Illicit and other drugs used during this pregnancy?
☐ Yes ☐ No ☐ Unknown

If yes, check all that apply
☐ Heroin ☐ Sedatives
☐ Cocaine ☐ Tranquilizers
☐ Methadone ☐ Anticonvulsants
☐ Methamphetamine ☐ Other
☐ Marijuana ☐ Unknown

31. PREGNANCY FACTORS

a. Risk Factors in this Pregnancy
(Check all that apply)

☐ Pre-pregnancy diabetes
☐ Gestational diabetes
☐ Pre-pregnancy hypertension
☐ Gestational hypertension
☐ Eclampsia
☐ Previous Preterm Birth
☐ Other previous poor pregnancy outcome
☐ Infertility Treatment
Fertility drugs, artificial/intrauterine insemination
Assisted reproductive technology (e.g., IVF, GIFT)
☐ Infertility Treatment – Assisted Reproductive Technology
☐ Previous cesarean section: Number _____
☐ Other
☐ None
☐ Unknown

VR-17
(REV. 12/20)

THE CITY OF NEW YORK – DEPARTMENT OF HEALTH AND MENTAL HYGIENE (Each question MUST be answered)

CONFIDENTIAL MEDICAL REPORT OF SPONTANEOUS TERMINATION OF PREGNANCY

WORKSHEET (3 of 3)

Mother/Parent Medical Record 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 induced by procedure or medication.
Confidential and not subject to release, except as required by Federal, New York State, or New York City law.

CERTIFICATE NO.
(For Health Dept. Use Only)

FACILITY

1. DATE OF PROCEDURE OR MEDICATION PRESCRIBED FOR TERMINATION *(MONTH)(DAY)(YEAR-YYYY)*

2. FACILITY TYPE
- ☐ Hospital
- ☐ Clinic (Article 28)
- ☐ Clinic (non-Article 28)
- ☐ Shared Facility
- ☐ Doctor's Office
- ☐ Unknown
- ☐ Telemedicine
- ☐ 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 FOR THIS TERMINATION
- ☐ Medicaid
- ☐ Private Insurance
- ☐ Self Pay
- ☐ Unknown
- ☐ Other Government
- ☐ Other, Specify _____

PATIENT

5. EVITAL CASE ID NUMBER:

6. Age on Date of Procedure or with Medication Prescribed in Years _____

7. PATIENT'S USUAL RESIDENCE (COMPLETE ONLY ONE)

☐ **New York City** ZIP Code
☐ Manhattan ☐ Bronx ☐ Brooklyn ☐ Queens ☐ Staten Island

☐ **New York State (Outside NYC)**
City or Town | County

☐ Outside NYS
☐ Outside U.S.
☐ Unknown

8. ANCESTRY (CHECK ONE BOX)
- ☐ **Hispanic/Latino** *(Mexican, Puerto Rican, Cuban, Dominican, etc.)*
- ☐ **NOT Hispanic/Latino** *(Italian, African American, Haitian, Pakistani, Ukrainian, Nigerian, Taiwanese, etc.)*
- ☐ **Unknown**

PATIENT ATTRIBUTES

9. 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

10. OBSTETRIC ESTIMATE OF GESTATION
_____ completed weeks

MEDICAL

11. METHOD OF TERMINATION

11A. PRIMARY METHOD OF TERMINATION (CHECK ONLY ONE)
- ☐ Medication (non-procedural)- (examples include Misoprostol, Mifepristone and/or Methotrexate)
- ☐ Procedural – Aspiration, including D&C/D&E
- ☐ Procedural - Induction termination
- ☐ Procedural Surgical Hysterotomy and /or Hysterectomy
- ☐ Other, Specify _____

11B. ADDITIONAL METHOD OF TERMINATION (CHECK ALL THAT APPLY)
- ☐ None
- ☐ Medication (non-procedural)- (examples include Misoprostol, Mifepristone and/or Methotrexate)
- ☐ Procedural – Aspiration, including D&C/D&E
- ☐ Procedural - Induction termination
- ☐ Procedural Surgical Hysterotomy and /or Hysterectomy
- ☐ Other, Specify _____

ATTENDANT/CERTIFIER

12. ATTENDANT AT TERMINATION: ☐ MD ☐ DO ☐ NP ☐ RPA ☐ Lic. Midwife

13. CERTIFIER: ☐ MD ☐ DO ☐ NP ☐ RPA ☐ Lic. Midwife ☐ Facility Administrator

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.

_____/_____/_____
DATE

VR-18
(REV. 6/24)