

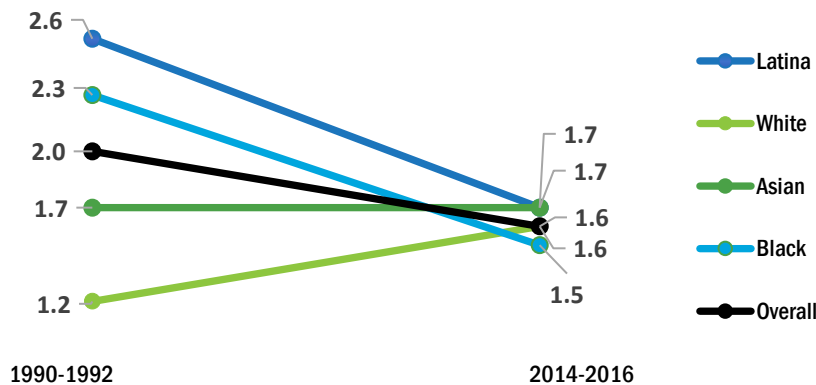
Changing Birth Composition in New York City, 1990-2016

From 1990 to 2016, the number of annual births to New York City (NYC) residents declined 16%, from 129,811 to 108,949. The decline in birth rates varied by age and race/ethnicity of the birthing parent. Exploring the changing demographic composition of females giving birth in NYC can aid in understanding health outcomes surrounding pregnancy, such as the infant mortality rate (IMR), preterm birth rate, and maternal mortality rate. For example, over the period 1990 to 2016, NYC experienced a dramatic decline in IMR, which differs by race/ethnicity.^{1,2} One of the factors attributable to the decline in IMR may be the changing demographic composition. While parental age, socio-economic status, nativity, and access to care are also factors that affect these health outcomes, this report focuses on the changing composition of females giving birth, by age, and by race/ethnicity.

From 1990 to 2016, population and birth trends differed among each racial/ethnic group

- Between 1990 and 2016, the overall total fertility rate (TFR) in NYC decreased from 2.0 to 1.6 births.
- Among Black and Latina females, there were steep declines in birth rates in the 15 to 29 year age group, while birth rates among those over age 30 remained stable. Expected lifetime births among both Black and Latina females 15 to 49 years old decreased by 35% (from 2.3 to 1.5 births among Black females and from 2.6 to 1.7 births among Latina females).
- Among White females, expected lifetime births increased by 33% (from 1.2 to 1.6 births).
- Among Asian females, expected lifetime births remained steady at 1.7 births at both the beginning and end of the time period.

Total fertility rate by race and ethnicity, New York City, 1990-2016



Note: The National Center for Health Statistics (NCHS) changed the definition of Asian from Ancestry to Race in 1993; to ensure consistency over time, the TFR for Asians for 1993-1995 is shown in the above graph for the 1990-1992 period.

Source: NYC DOHMH Bureau of Vital Statistics, 1990-2016

Definitions:

Race/ethnicity: For the purposes of this report, Latina includes people of Hispanic origin based on ancestry reported on the birth certificate, regardless of reported race; Latina excludes reported ancestry from non-Spanish speaking Central/ South American countries, and non-Spanish speaking Caribbean islands. Latinas are excluded from other race categories. Other race was not shown due to small sample sizes. Asian includes people who identified as Asian and/or Pacific Islander. A change was made in the classification of Asian births from ancestry to race in 1993.

The **total fertility rate (TFR)** is a measure of how many births a female would expect to have over her lifetime based on the current age-specific birth rates. The TFR is the sum of the age-specific birth rates multiplied by duration (e.g., from age 20 to 24 years). The TFRs presented in the report are for three-year periods to ensure greater stability.

The **age-specific birth rate** is calculated in seven five-year intervals from ages 15-19 to 45-49 years and takes the number of births in the age category divided by the number of females in the age category.

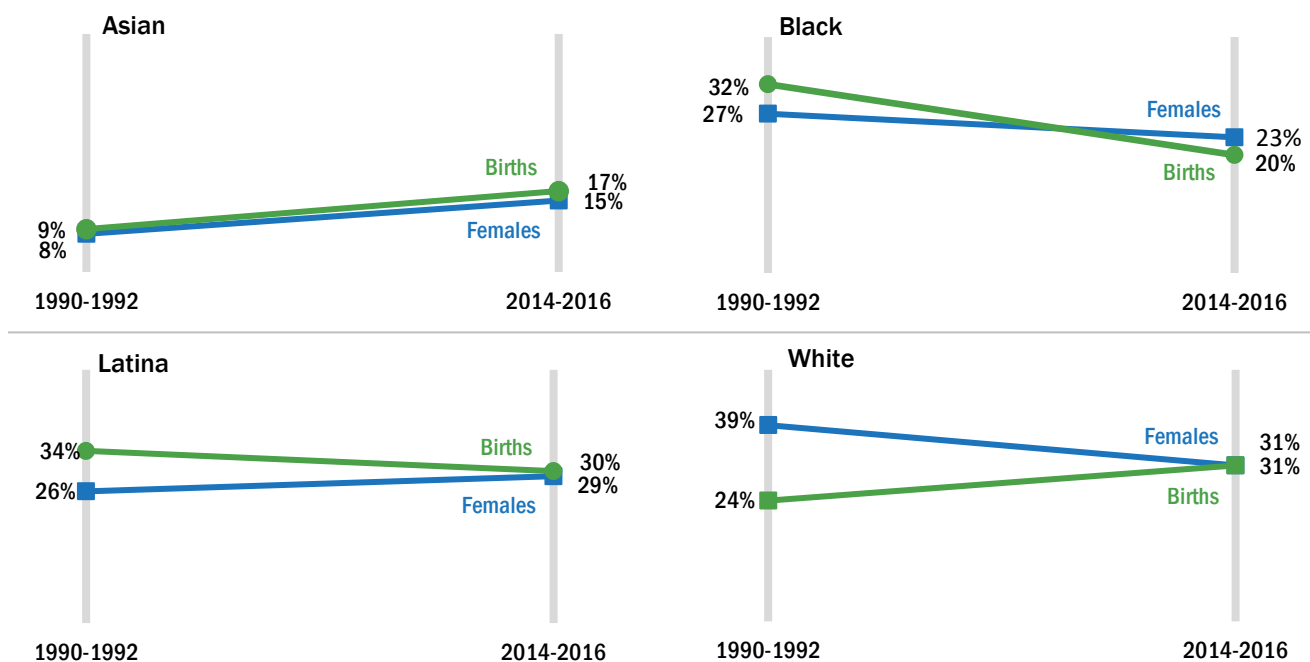
Data Sources: Bureau of Vital Statistics (BVS), 1990-2016: The NYC Health Department's BVS maintains data on all births in NYC from birth certificates. To construct rates, the population denominators come from the 1990 Census, 2000 Census, 2010 Census and the Population and Housing Units Estimates from the Census Bureau for 2011-2016 for the NYC female population ages 15-49 years in 1990-2016. Annual estimates from 1990-2010 are interpolated. The term "female" is used throughout this brief in accordance with Census Bureau classification of the population as "male" or "female" as reported by the individual or a member of the household completing Census Bureau data collection forms.

From 1990 to 2016, population and birth trends differed within and among racial/ethnic groups

In NYC, between 1990-1992 and 2014-2016:

- The proportion of Asian females aged 15-49 in the population **increased** by 7 percentage points and the proportion of births to Asian females **increased** by 8 percentage points;
- The proportion of Black females aged 15-49 in the population **decreased** by 4 percentage points and the proportion of births to Black females **decreased** by 12 percentage points;
- The proportion of Latina females aged 15-49 in the population **increased** by 3 percentage points, yet the proportion of births to Latina females **decreased** by 4 percentage points;
- The proportion of White females aged 15-49 in the population **decreased** by 8 percentage points, yet the proportion of births to White females **increased** by 7 percentage points.

Change in percentage of females ages 15 to 49 years and percentage of births by race/ethnicity, New York City, 1990-1992 and 2014-2016



Note: The National Center for Health Statistics (NCHS) changed the definition of Asian from Ancestry to Race in 1993; to ensure consistency over time, the TFR for Asians for 1993-1995 is shown in the above graph for the 1990-1992 period.

Source: NYC DOHMH Bureau of Vital Statistics, 1990-2016

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Acknowledgements: Liza King, Tanvi Jain, Emily White Johnsson

References:

1 *Summary of Vital Statistics, 1990* New York, NY: New York City Department of Health, Office of Vital Statistics and Epidemiology, 1993. <https://www1.nyc.gov/assets/doh/downloads/pdf/vs/1990sum.pdf>

2 Li W, Zheng P, Huynh M, Castro A, Falci L, Kennedy J, Maduro G, Lee E, Sun Y, and Van Wye G. *Summary of Vital Statistics, 2016*. New York, NY: New York City Department of Health and Mental Hygiene, Bureau of Vital Statistics, 2018.

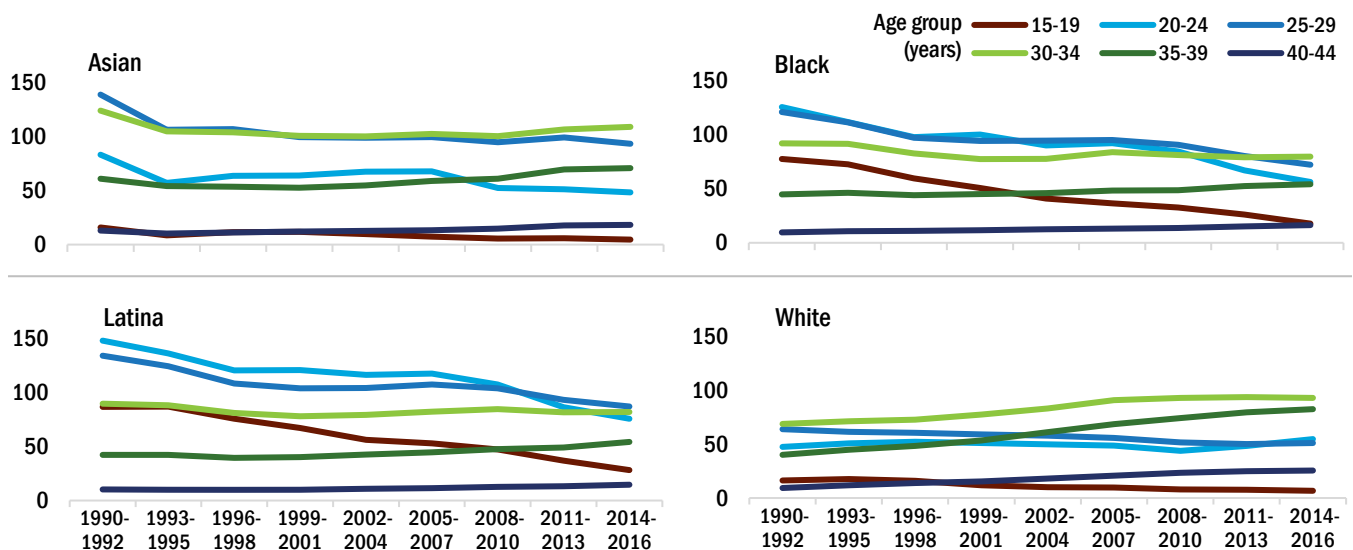
<https://www1.nyc.gov/assets/doh/downloads/pdf/vs/2016sum.pdf>

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Changes in age-specific birth rates from 1990 to 2016

- Between the 1990-1992 period and the 2014-2016 period, birth rates among females ages 15 to 19 decreased for all racial and ethnic groups, with the largest declines among Black and Latina females. Birth rates decreased by 77% among Black females (from 77.3 to 17.7 births per 1,000 females), and 68% among Latina females (from 86.6 to 28.1 births per 1,000 females) in this age group.
- For ages 20 to 29, birth rates decreased sharply among Black and Latina females between 1990-2016, but the rates among White and Asian females were relatively flat.
- For ages 30 to 34, birth rates among White females increased between 1990-2016 by 35% (from 68.8 to 93.0 births per 1,000 females).
- For ages 35 to 39, birth rates among White, Black, and Latina females increased between 1990-2016. Among White females, there was a 106% increase from 40.1 to 82.5 births per 1,000 females ages 35 to 39; birth rates among Asian females ages 35-39 remained stable over the period 1990-2016.

Age-specific birth rates per 1,000 females by race/ethnicity and age group, New York City, 1990-2016



Notes: "Asian" was redefined from Ancestry to Race in 1993 resulting in a one-time adjustment of age-specific birth rates.

Age category 45-49 is not presented due to low rates.

Source: NYC DOHMH Bureau of Vital Statistics, 1990-2016

Implications

The changing birth composition over the period 1990 to 2016 reflects substantial population-level changes, including a decrease in the IMR from 9.1 to 2.6 deaths per 1,000 among Whites, and from 16.9 to 8.0 among Blacks (see appendix). These numbers show a large decline in overall rates and a widening disparity (as a percentage). Between the first period (1990-1992) and the last (2014-2016), the share of birth to Black females declined from 32% to 20%. During the same time period, the percentage of births to Asian females in NYC rose from 9% to 17%. These figures indicate a changing demographic composition of the population.

In addition, there was a steep decline in the birth rate among all females under age 30 between 1990 and 2016. Among Latinas ages 20 to 24 the number of births declined from 147.6 to 75.5 per 1,000 females between the first and last period; the figure for Black females ages 20 to 24 fell from 125.2 to 56.1 births per 1,000 females between the two periods. These changes imply a changing context of family formation that requires further examination. Future research aims to examine how both demographic composition and other factors affect the changes in IMR, preterm birth rate, and maternal mortality, particularly in the post-2016 period, as birth trends and overall population dynamics were significantly affected by the COVID-19 pandemic.

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Epi Data Tables

July 2022, No. 132

Changing Birth Composition in New York City, 1990-2016

Data Tables

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- Table 2.** Births in New York City, by birthing parent's age and race/ethnicity, 1990-2016
- Table 3.** Age-specific birth rates in New York City, by race/ethnicity, in 3-year periods, 1990-2016
- Table 4.** Infant mortality rate by race/ethnicity, 1990-2016

Data Sources

Birth data: Bureau of Vital Statistics (BVS), 1990-2016: The NYC Health Department's BVS maintains data on all births in NYC from birth certificates. To construct rates, the population denominators come from the 1990 Census, 2000 Census, 2010 Census and the Population and Housing Units Estimates from the Census Bureau for 2011-2016 for the NYC female population aged 15-49 years in 1990-2016. Annual estimates from 1990-2010 are interpolated. The term "female" is used throughout this brief in accordance with Census Bureau classification of the population as "male" or "female" as reported by the individual or a member of the household completing Census Bureau data collection forms.

Table 1. Females* ages 15-49 years in New York City, in 5-year age groups by race/ethnicity, 1990-2016**

Sources: 1990 Census, 2000 Census, 2010 Census and the Population and Housing Units Estimates from the Census Bureau for 2011-2016

Overall Females

| | Age group (years) | | | | | | |
|------|-------------------|---------|---------|---------|---------|---------|---------|
| | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 |
| 1990 | 237,294 | 302,076 | 361,999 | 344,626 | 306,052 | 272,788 | 221,390 |
| 1991 | 239,043 | 302,317 | 361,188 | 345,383 | 309,131 | 276,514 | 226,737 |
| 1992 | 240,805 | 302,558 | 360,379 | 346,141 | 312,242 | 280,291 | 232,212 |
| 1993 | 242,580 | 302,799 | 359,571 | 346,901 | 315,384 | 284,119 | 237,821 |
| 1994 | 244,368 | 303,040 | 358,765 | 347,663 | 318,557 | 288,000 | 243,564 |
| 1995 | 246,170 | 303,282 | 357,961 | 348,426 | 321,762 | 291,934 | 249,446 |
| 1996 | 247,984 | 303,523 | 357,159 | 349,191 | 325,000 | 295,922 | 255,471 |
| 1997 | 249,812 | 303,765 | 356,359 | 349,958 | 328,270 | 299,964 | 261,640 |
| 1998 | 251,653 | 304,007 | 355,561 | 350,726 | 331,573 | 304,061 | 267,959 |
| 1999 | 253,508 | 304,250 | 354,764 | 351,496 | 334,909 | 308,214 | 274,430 |
| 2000 | 255,377 | 304,492 | 353,969 | 352,268 | 338,279 | 312,424 | 281,058 |
| 2001 | 251,522 | 313,517 | 352,245 | 354,768 | 336,725 | 316,879 | 284,793 |
| 2002 | 251,087 | 311,596 | 355,400 | 353,136 | 332,518 | 316,394 | 289,692 |
| 2003 | 252,900 | 309,248 | 360,490 | 348,331 | 327,579 | 316,624 | 292,964 |
| 2004 | 255,972 | 307,115 | 363,533 | 341,467 | 320,212 | 317,449 | 294,893 |
| 2005 | 261,022 | 304,463 | 366,428 | 332,037 | 317,963 | 312,598 | 296,824 |
| 2006 | 263,894 | 305,507 | 372,367 | 326,136 | 316,051 | 308,464 | 297,618 |
| 2007 | 266,027 | 309,553 | 375,065 | 328,743 | 313,530 | 303,303 | 296,110 |
| 2008 | 267,542 | 317,513 | 380,286 | 333,354 | 310,455 | 299,275 | 296,775 |
| 2009 | 267,521 | 325,682 | 385,018 | 339,666 | 307,379 | 294,426 | 298,705 |
| 2010 | 264,778 | 332,678 | 384,442 | 345,583 | 302,696 | 294,773 | 296,545 |
| 2011 | 251,093 | 329,694 | 389,766 | 351,213 | 300,165 | 295,106 | 293,828 |
| 2012 | 244,334 | 326,805 | 394,884 | 358,270 | 303,153 | 295,731 | 291,894 |
| 2013 | 238,248 | 320,599 | 399,244 | 364,249 | 306,165 | 293,007 | 288,285 |
| 2014 | 232,552 | 314,306 | 404,112 | 366,512 | 310,056 | 289,884 | 284,647 |
| 2015 | 228,820 | 303,284 | 408,199 | 367,136 | 313,716 | 285,525 | 284,387 |
| 2016 | 226,424 | 293,001 | 410,095 | 368,355 | 314,819 | 280,311 | 283,728 |

Latina Females

| | Age group (years) | | | | | | |
|------|-------------------|---------|---------|---------|--------|--------|--------|
| | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 |
| 1990 | 72,122 | 84,325 | 92,487 | 86,102 | 74,978 | 63,872 | 51,164 |
| 1991 | 73,243 | 85,214 | 92,937 | 87,141 | 76,621 | 65,391 | 52,699 |
| 1992 | 74,382 | 86,112 | 93,390 | 88,192 | 78,300 | 66,947 | 54,279 |
| 1993 | 75,538 | 87,020 | 93,844 | 89,256 | 80,016 | 68,539 | 55,908 |
| 1994 | 76,712 | 87,937 | 94,301 | 90,333 | 81,769 | 70,170 | 57,584 |
| 1995 | 77,904 | 88,864 | 94,760 | 91,423 | 83,561 | 71,839 | 59,312 |
| 1996 | 79,115 | 89,801 | 95,221 | 92,526 | 85,392 | 73,548 | 61,091 |
| 1997 | 80,345 | 90,748 | 95,685 | 93,642 | 87,264 | 75,298 | 62,923 |
| 1998 | 81,594 | 91,704 | 96,151 | 94,772 | 89,176 | 77,089 | 64,811 |
| 1999 | 82,862 | 92,671 | 96,619 | 95,916 | 91,130 | 78,923 | 66,755 |
| 2000 | 84,150 | 93,648 | 97,089 | 97,073 | 93,127 | 80,800 | 68,757 |
| 2001 | 84,145 | 94,973 | 97,098 | 98,275 | 94,576 | 83,593 | 71,023 |
| 2002 | 84,329 | 95,198 | 98,142 | 98,075 | 94,272 | 85,049 | 73,190 |
| 2003 | 84,983 | 94,341 | 99,126 | 96,694 | 93,945 | 86,485 | 74,665 |
| 2004 | 86,375 | 93,333 | 99,638 | 95,048 | 91,768 | 88,042 | 76,257 |
| 2005 | 88,994 | 91,637 | 99,802 | 92,831 | 90,286 | 87,607 | 77,665 |
| 2006 | 90,592 | 91,110 | 99,946 | 91,136 | 89,623 | 87,575 | 78,283 |
| 2007 | 91,851 | 91,174 | 100,368 | 91,830 | 88,405 | 86,788 | 79,439 |
| 2008 | 93,246 | 93,259 | 100,927 | 92,776 | 87,617 | 86,806 | 80,710 |
| 2009 | 94,252 | 95,771 | 101,543 | 94,544 | 87,251 | 85,529 | 82,455 |
| 2010 | 94,167 | 99,311 | 101,341 | 95,960 | 87,107 | 85,937 | 83,083 |
| 2011 | 90,279 | 101,439 | 102,156 | 97,272 | 86,182 | 85,586 | 83,370 |
| 2012 | 87,976 | 103,570 | 102,975 | 99,123 | 87,426 | 85,477 | 83,867 |
| 2013 | 85,414 | 103,812 | 103,911 | 100,343 | 88,495 | 84,707 | 84,091 |
| 2014 | 83,080 | 103,130 | 105,670 | 100,068 | 89,491 | 84,269 | 83,373 |
| 2015 | 81,391 | 100,067 | 107,294 | 99,639 | 90,392 | 83,515 | 83,178 |
| 2016 | 80,201 | 96,592 | 108,456 | 99,236 | 90,301 | 82,199 | 82,912 |

Table 1. Females* ages 15-49 years in New York City, in 5-year age groups by race/ethnicity, 1990-2016**

Sources: 1990 Census, 2000 Census, 2010 Census and the Population and Housing Units Estimates from the Census Bureau for 2011-2016

White Females

| | Age group (years) | | | | | | |
|------|-------------------|---------|---------|---------|---------|---------|---------|
| | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 |
| 1990 | 71,859 | 111,422 | 145,224 | 139,330 | 125,245 | 116,594 | 94,135 |
| 1991 | 71,064 | 109,616 | 143,116 | 137,080 | 123,154 | 115,300 | 95,051 |
| 1992 | 70,278 | 107,840 | 141,038 | 134,866 | 121,098 | 114,020 | 95,976 |
| 1993 | 69,500 | 106,093 | 138,991 | 132,688 | 119,076 | 112,754 | 96,910 |
| 1994 | 68,731 | 104,374 | 136,973 | 130,545 | 117,088 | 111,502 | 97,853 |
| 1995 | 67,970 | 102,682 | 134,985 | 128,437 | 115,133 | 110,265 | 98,805 |
| 1996 | 67,218 | 101,018 | 133,026 | 126,363 | 113,211 | 109,041 | 99,767 |
| 1997 | 66,474 | 99,381 | 131,095 | 124,322 | 111,321 | 107,830 | 100,737 |
| 1998 | 65,739 | 97,771 | 129,192 | 122,315 | 109,463 | 106,633 | 101,718 |
| 1999 | 65,011 | 96,187 | 127,316 | 120,339 | 107,635 | 105,450 | 102,708 |
| 2000 | 64,292 | 94,628 | 125,468 | 118,396 | 105,838 | 104,279 | 103,707 |
| 2001 | 61,937 | 98,672 | 125,350 | 120,682 | 102,761 | 102,687 | 101,836 |
| 2002 | 61,761 | 96,176 | 126,680 | 119,863 | 100,590 | 99,904 | 100,825 |
| 2003 | 61,924 | 95,174 | 129,715 | 117,922 | 99,149 | 96,741 | 99,584 |
| 2004 | 62,241 | 94,907 | 131,272 | 115,254 | 97,696 | 94,837 | 97,126 |
| 2005 | 62,555 | 95,027 | 132,605 | 111,762 | 98,360 | 91,669 | 95,071 |
| 2006 | 62,696 | 97,212 | 136,080 | 109,687 | 98,946 | 88,686 | 93,347 |
| 2007 | 62,483 | 100,667 | 137,732 | 111,430 | 98,322 | 86,651 | 90,451 |
| 2008 | 62,223 | 103,907 | 140,957 | 113,417 | 96,880 | 85,388 | 87,826 |
| 2009 | 61,522 | 106,379 | 143,739 | 115,525 | 94,963 | 84,102 | 86,018 |
| 2010 | 60,459 | 106,485 | 143,923 | 117,175 | 92,280 | 84,042 | 83,511 |
| 2011 | 56,809 | 98,816 | 146,079 | 119,572 | 92,319 | 85,429 | 81,158 |
| 2012 | 55,998 | 92,869 | 148,782 | 122,730 | 93,817 | 86,038 | 79,932 |
| 2013 | 55,260 | 87,232 | 150,367 | 125,521 | 95,089 | 85,239 | 78,891 |
| 2014 | 54,644 | 83,762 | 149,885 | 127,519 | 96,261 | 84,153 | 78,344 |
| 2015 | 54,379 | 80,267 | 147,582 | 129,086 | 97,215 | 82,614 | 79,002 |
| 2016 | 54,342 | 77,984 | 145,047 | 129,705 | 97,877 | 80,886 | 79,433 |

Asian Females

| | Age group (years) | | | | | | |
|------|-------------------|--------|--------|--------|--------|--------|--------|
| | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 |
| 1990 | 17,140 | 21,207 | 27,841 | 27,837 | 22,694 | 19,798 | 13,740 |
| 1991 | 17,768 | 22,246 | 29,182 | 28,986 | 23,933 | 20,987 | 14,874 |
| 1992 | 18,418 | 23,335 | 30,588 | 30,182 | 25,240 | 22,248 | 16,101 |
| 1993 | 19,093 | 24,478 | 32,062 | 31,428 | 26,618 | 23,585 | 17,430 |
| 1994 | 19,792 | 25,677 | 33,607 | 32,725 | 28,071 | 25,002 | 18,868 |
| 1995 | 20,517 | 26,935 | 35,226 | 34,075 | 29,604 | 26,504 | 20,425 |
| 1996 | 21,268 | 28,254 | 36,923 | 35,482 | 31,220 | 28,097 | 22,110 |
| 1997 | 22,047 | 29,638 | 38,702 | 36,946 | 32,924 | 29,785 | 23,935 |
| 1998 | 22,854 | 31,090 | 40,566 | 38,471 | 34,722 | 31,574 | 25,910 |
| 1999 | 23,691 | 32,613 | 42,520 | 40,059 | 36,618 | 33,471 | 28,048 |
| 2000 | 24,559 | 34,210 | 44,569 | 41,712 | 38,617 | 35,482 | 30,362 |
| 2001 | 24,535 | 36,513 | 46,473 | 43,843 | 39,749 | 36,576 | 32,314 |
| 2002 | 24,817 | 37,155 | 47,977 | 46,052 | 40,185 | 37,139 | 34,001 |
| 2003 | 25,332 | 37,279 | 49,302 | 47,233 | 40,379 | 38,179 | 35,570 |
| 2004 | 25,974 | 37,428 | 50,399 | 48,015 | 40,767 | 39,227 | 36,681 |
| 2005 | 26,969 | 37,627 | 51,879 | 48,537 | 41,881 | 39,445 | 37,884 |
| 2006 | 27,807 | 38,524 | 53,608 | 49,311 | 42,938 | 40,061 | 38,575 |
| 2007 | 28,904 | 39,708 | 54,571 | 50,226 | 45,113 | 40,457 | 39,374 |
| 2008 | 29,958 | 41,188 | 55,789 | 51,287 | 46,454 | 40,908 | 40,609 |
| 2009 | 30,661 | 42,790 | 56,578 | 52,381 | 47,664 | 41,663 | 42,410 |
| 2010 | 31,266 | 44,054 | 56,122 | 53,401 | 48,077 | 43,137 | 43,109 |
| 2011 | 29,307 | 44,269 | 57,753 | 54,979 | 48,186 | 44,141 | 43,124 |
| 2012 | 28,927 | 44,616 | 58,659 | 56,734 | 48,949 | 46,080 | 43,464 |
| 2013 | 28,846 | 43,877 | 59,429 | 58,208 | 49,364 | 46,982 | 42,880 |
| 2014 | 28,809 | 42,876 | 61,272 | 58,863 | 50,776 | 47,434 | 43,237 |
| 2015 | 28,869 | 41,706 | 63,432 | 59,093 | 52,267 | 47,653 | 44,303 |
| 2016 | 28,873 | 40,899 | 64,796 | 60,092 | 53,066 | 47,842 | 45,339 |

Table 1. Females* ages 15-49 years in New York City, in 5-year age groups by race/ethnicity, 1990-2016**

Sources: 1990 Census, 2000 Census, 2010 Census and the Population and Housing Units Estimates from the Census Bureau for 2011-2016

| | Age group (years) | | | | | | |
|------|-------------------|--------|--------|--------|--------|--------|--------|
| | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 |
| 1990 | 75,535 | 84,309 | 95,455 | 90,462 | 82,307 | 71,848 | 61,835 |
| 1991 | 75,821 | 83,598 | 94,005 | 90,441 | 83,581 | 73,307 | 63,024 |
| 1992 | 76,108 | 82,893 | 92,577 | 90,421 | 84,875 | 74,796 | 64,235 |
| 1993 | 76,396 | 82,195 | 91,171 | 90,400 | 86,189 | 76,316 | 65,470 |
| 1994 | 76,685 | 81,502 | 89,786 | 90,380 | 87,523 | 77,866 | 66,729 |
| 1995 | 76,975 | 80,815 | 88,422 | 90,359 | 88,878 | 79,448 | 68,012 |
| 1996 | 77,267 | 80,133 | 87,079 | 90,338 | 90,254 | 81,061 | 69,320 |
| 1997 | 77,559 | 79,458 | 85,756 | 90,318 | 91,651 | 82,708 | 70,652 |
| 1998 | 77,853 | 78,788 | 84,453 | 90,297 | 93,069 | 84,388 | 72,011 |
| 1999 | 78,147 | 78,124 | 83,170 | 90,277 | 94,510 | 86,102 | 73,395 |
| 2000 | 78,443 | 77,465 | 81,907 | 90,256 | 95,973 | 87,851 | 74,806 |
| 2001 | 76,809 | 78,353 | 78,194 | 87,116 | 94,875 | 89,678 | 76,035 |
| 2002 | 76,037 | 77,817 | 77,368 | 84,267 | 92,705 | 89,832 | 77,952 |
| 2003 | 76,339 | 77,140 | 76,756 | 81,514 | 89,421 | 90,699 | 79,279 |
| 2004 | 76,909 | 76,165 | 76,428 | 78,168 | 85,326 | 90,718 | 80,890 |
| 2005 | 77,840 | 74,917 | 76,079 | 73,948 | 82,717 | 89,209 | 82,218 |
| 2006 | 78,032 | 73,331 | 76,412 | 70,962 | 79,813 | 87,488 | 83,253 |
| 2007 | 77,838 | 72,450 | 75,728 | 70,120 | 76,868 | 84,713 | 82,536 |
| 2008 | 77,104 | 73,252 | 75,777 | 70,271 | 74,530 | 81,509 | 83,234 |
| 2009 | 75,928 | 74,552 | 75,987 | 71,391 | 72,405 | 78,463 | 83,275 |
| 2010 | 73,674 | 76,459 | 75,754 | 72,833 | 70,166 | 76,901 | 82,282 |
| 2011 | 69,591 | 78,820 | 76,325 | 73,009 | 68,362 | 75,106 | 81,615 |
| 2012 | 66,214 | 79,486 | 76,745 | 73,150 | 67,709 | 73,298 | 79,980 |
| 2013 | 63,411 | 79,426 | 77,635 | 73,461 | 67,817 | 71,259 | 77,776 |
| 2014 | 60,647 | 78,144 | 79,314 | 73,151 | 68,015 | 69,175 | 75,084 |
| 2015 | 58,745 | 74,782 | 81,571 | 72,280 | 68,213 | 66,970 | 73,237 |
| 2016 | 57,506 | 71,085 | 83,183 | 72,153 | 67,810 | 64,623 | 71,358 |

* Other race was not shown due to small sample sizes.

Table 2. Births in New York City, by birthing parent's age and race/ethnicity*, 1990-2016

Sources: NYC DOHMH Bureau of Vital Statistics, 1990-2016

Number of births to birthing parents overall

| | Age group (years) | | | | | | | Not stated/ Unknown | | All births |
|------|-------------------|--------|--------|--------|--------|-------|-------|------------------------|---------|------------|
| | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 | Unknown | 250 | |
| 1990 | 13,944 | 31,249 | 38,667 | 29,777 | 13,215 | 2,599 | 110 | 96 | 129,811 | |
| 1991 | 13,813 | 30,919 | 37,733 | 29,478 | 13,527 | 2,733 | 112 | 96 | 128,411 | |
| 1992 | 13,622 | 29,633 | 36,446 | 29,446 | 13,904 | 2,936 | 144 | 68 | 126,199 | |
| 1993 | 13,664 | 28,603 | 35,060 | 29,188 | 14,261 | 3,022 | 152 | 78 | 124,028 | |
| 1994 | 13,981 | 28,365 | 34,323 | 29,325 | 14,424 | 3,234 | 175 | 63 | 123,890 | |
| 1995 | 13,513 | 27,435 | 32,880 | 29,311 | 14,681 | 3,213 | 186 | 89 | 121,308 | |
| 1996 | 12,848 | 26,106 | 31,877 | 28,562 | 14,599 | 3,275 | 197 | 32 | 117,496 | |
| 1997 | 11,634 | 25,552 | 30,310 | 28,031 | 14,464 | 3,559 | 226 | 2 | 113,778 | |
| 1998 | 11,633 | 25,949 | 30,487 | 27,471 | 14,995 | 3,736 | 233 | 7 | 114,511 | |
| 1999 | 10,979 | 26,306 | 29,856 | 27,696 | 15,381 | 3,618 | 236 | 0 | 114,072 | |
| 2000 | 10,623 | 26,431 | 30,076 | 28,111 | 15,857 | 4,008 | 294 | 0 | 115,400 | |
| 2001 | 10,225 | 26,141 | 29,103 | 28,375 | 15,944 | 4,009 | 297 | 0 | 114,094 | |
| 2002 | 9,070 | 25,620 | 29,433 | 28,253 | 16,036 | 4,126 | 328 | 0 | 112,866 | |
| 2003 | 8,678 | 25,220 | 30,127 | 28,651 | 16,483 | 4,497 | 370 | 1 | 114,027 | |
| 2004 | 8,564 | 24,769 | 30,299 | 28,704 | 16,694 | 4,365 | 351 | 0 | 113,746 | |
| 2005 | 8,427 | 24,330 | 30,202 | 27,953 | 16,711 | 4,438 | 373 | 0 | 112,434 | |
| 2006 | 8,520 | 25,050 | 30,637 | 28,547 | 17,269 | 4,499 | 378 | 0 | 114,900 | |
| 2007 | 8,395 | 25,320 | 31,807 | 29,773 | 17,629 | 4,662 | 435 | 0 | 118,021 | |
| 2008 | 8,254 | 24,612 | 31,155 | 29,860 | 17,915 | 4,682 | 448 | 0 | 116,926 | |
| 2009 | 7,646 | 24,119 | 30,915 | 30,648 | 17,980 | 4,981 | 463 | 0 | 116,752 | |
| 2010 | 7,131 | 23,032 | 30,009 | 30,958 | 18,192 | 5,092 | 494 | 0 | 114,908 | |
| 2011 | 6,361 | 22,040 | 29,803 | 31,393 | 18,433 | 5,021 | 435 | 0 | 113,486 | |
| 2012 | 5,647 | 21,267 | 29,473 | 32,017 | 19,195 | 5,370 | 494 | 0 | 113,463 | |
| 2013 | 4,922 | 20,246 | 28,607 | 31,793 | 19,197 | 5,346 | 463 | 1 | 110,575 | |
| 2014 | 4,440 | 19,473 | 29,043 | 32,806 | 20,136 | 5,184 | 475 | 0 | 111,557 | |
| 2015 | 3,947 | 18,468 | 28,890 | 32,833 | 20,584 | 5,488 | 534 | 0 | 110,744 | |
| 2016 | 3,292 | 17,229 | 28,828 | 32,696 | 20,976 | 5,404 | 524 | 0 | 108,949 | |

Number of births to Latina birthing parents

| | Age group (years) | | | | | | | Not stated/ Unknown | | All births |
|------|-------------------|--------|--------|-------|-------|-------|-------|------------------------|--------|------------|
| | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 | Unknown | 77 | |
| 1990 | 6,266 | 12,725 | 12,694 | 7,760 | 3,152 | 629 | 34 | 41 | 43,337 | |
| 1991 | 6,395 | 12,773 | 12,454 | 7,850 | 3,254 | 708 | 32 | 41 | 43,507 | |
| 1992 | 6,374 | 12,246 | 12,142 | 7,750 | 3,265 | 682 | 25 | 18 | 42,502 | |
| 1993 | 6,484 | 11,879 | 11,916 | 7,866 | 3,355 | 694 | 35 | 30 | 42,259 | |
| 1994 | 6,631 | 11,991 | 11,710 | 7,894 | 3,500 | 711 | 34 | 27 | 42,498 | |
| 1995 | 6,849 | 11,993 | 11,419 | 8,059 | 3,505 | 711 | 35 | 29 | 42,600 | |
| 1996 | 6,390 | 11,044 | 10,750 | 7,715 | 3,465 | 738 | 39 | 10 | 40,151 | |
| 1997 | 5,791 | 10,673 | 9,943 | 7,634 | 3,372 | 728 | 40 | 0 | 38,181 | |
| 1998 | 5,987 | 10,999 | 10,301 | 7,320 | 3,483 | 764 | 30 | 0 | 38,884 | |
| 1999 | 5,743 | 11,335 | 10,056 | 7,536 | 3,661 | 749 | 37 | 0 | 39,117 | |
| 2000 | 5,613 | 11,275 | 10,139 | 7,529 | 3,791 | 803 | 44 | 0 | 39,194 | |
| 2001 | 5,472 | 11,252 | 9,970 | 7,609 | 3,763 | 875 | 47 | 0 | 38,988 | |
| 2002 | 4,792 | 11,124 | 10,113 | 7,711 | 3,982 | 908 | 54 | 0 | 38,684 | |
| 2003 | 4,748 | 10,970 | 10,305 | 7,556 | 3,925 | 944 | 46 | 0 | 38,494 | |
| 2004 | 4,761 | 10,677 | 10,408 | 7,665 | 3,972 | 981 | 46 | 0 | 38,510 | |
| 2005 | 4,712 | 10,574 | 10,501 | 7,402 | 3,992 | 960 | 41 | 0 | 38,182 | |
| 2006 | 4,776 | 10,838 | 10,677 | 7,531 | 4,021 | 1,015 | 50 | 0 | 38,908 | |
| 2007 | 4,807 | 10,694 | 10,955 | 7,685 | 3,929 | 1,015 | 63 | 0 | 39,148 | |
| 2008 | 4,709 | 10,483 | 10,639 | 7,764 | 4,071 | 1,046 | 75 | 0 | 38,787 | |
| 2009 | 4,433 | 10,408 | 10,566 | 7,961 | 4,230 | 1,134 | 69 | 0 | 38,801 | |
| 2010 | 4,113 | 9,988 | 10,289 | 8,207 | 4,127 | 1,105 | 72 | 0 | 37,901 | |
| 2011 | 3,662 | 9,317 | 9,931 | 8,000 | 4,204 | 1,084 | 53 | 0 | 36,251 | |
| 2012 | 3,217 | 8,814 | 9,545 | 8,006 | 4,319 | 1,191 | 69 | 0 | 35,161 | |
| 2013 | 2,858 | 8,488 | 9,247 | 8,130 | 4,296 | 1,106 | 68 | 0 | 34,193 | |
| 2014 | 2,609 | 8,049 | 9,299 | 8,161 | 4,828 | 1,110 | 76 | 0 | 34,132 | |
| 2015 | 2,332 | 7,563 | 9,500 | 8,247 | 4,881 | 1,261 | 89 | 0 | 33,873 | |
| 2016 | 1,940 | 7,033 | 9,107 | 8,000 | 4,907 | 1,279 | 69 | 0 | 32,335 | |

Table 2. Births in New York City, by birthing parent's age and race/ethnicity*, 1990-2016

Sources: NYC DOHMH Bureau of Vital Statistics, 1990-2016

Number of births to White birthing parents

| | Age group (years) | | | | | | | Not stated/ Unknown | All births |
|------|-------------------|-------|-------|--------|-------|-------|-------|------------------------|------------|
| | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 | | |
| 1990 | 1,220 | 5,327 | 9,644 | 9,743 | 4,936 | 1,016 | 24 | 50 | 31,960 |
| 1991 | 1,098 | 5,260 | 9,033 | 9,381 | 4,906 | 1,009 | 39 | 12 | 30,738 |
| 1992 | 1,137 | 5,021 | 8,745 | 9,168 | 4,979 | 1,187 | 70 | 8 | 30,315 |
| 1993 | 1,216 | 5,365 | 8,914 | 9,477 | 5,214 | 1,271 | 70 | 14 | 31,541 |
| 1994 | 1,334 | 5,449 | 8,515 | 9,270 | 5,302 | 1,322 | 97 | 8 | 31,297 |
| 1995 | 1,070 | 5,088 | 7,815 | 9,110 | 5,259 | 1,366 | 92 | 17 | 29,817 |
| 1996 | 1,195 | 5,178 | 8,170 | 9,160 | 5,323 | 1,379 | 111 | 6 | 30,522 |
| 1997 | 1,031 | 5,137 | 7,890 | 9,051 | 5,331 | 1,544 | 120 | 1 | 30,105 |
| 1998 | 938 | 5,232 | 7,768 | 8,875 | 5,499 | 1,607 | 140 | 1 | 30,060 |
| 1999 | 808 | 4,917 | 7,631 | 9,027 | 5,532 | 1,546 | 130 | 0 | 29,591 |
| 2000 | 756 | 4,940 | 7,499 | 9,200 | 5,653 | 1,660 | 161 | 0 | 29,869 |
| 2001 | 678 | 4,889 | 7,236 | 9,657 | 5,685 | 1,608 | 160 | 0 | 29,913 |
| 2002 | 646 | 4,781 | 7,274 | 9,512 | 5,752 | 1,658 | 182 | 0 | 29,805 |
| 2003 | 625 | 4,824 | 7,611 | 9,959 | 6,176 | 1,839 | 190 | 0 | 31,224 |
| 2004 | 607 | 4,703 | 7,506 | 9,879 | 6,269 | 1,776 | 201 | 0 | 30,941 |
| 2005 | 635 | 4,696 | 7,390 | 9,722 | 6,426 | 1,799 | 204 | 0 | 30,872 |
| 2006 | 599 | 4,726 | 7,531 | 10,061 | 6,833 | 1,794 | 211 | 0 | 31,755 |
| 2007 | 602 | 4,869 | 7,736 | 10,428 | 7,031 | 1,917 | 218 | 0 | 32,801 |
| 2008 | 541 | 4,654 | 7,330 | 10,521 | 7,054 | 1,880 | 225 | 0 | 32,205 |
| 2009 | 476 | 4,726 | 7,476 | 10,857 | 6,993 | 2,024 | 237 | 0 | 32,789 |
| 2010 | 483 | 4,510 | 7,287 | 10,809 | 7,068 | 2,058 | 236 | 0 | 32,451 |
| 2011 | 457 | 4,597 | 7,374 | 11,405 | 7,165 | 2,040 | 210 | 0 | 33,248 |
| 2012 | 435 | 4,485 | 7,419 | 11,385 | 7,586 | 2,180 | 246 | 0 | 33,736 |
| 2013 | 390 | 4,433 | 7,512 | 11,688 | 7,636 | 2,169 | 203 | 0 | 34,031 |
| 2014 | 407 | 4,501 | 7,717 | 11,927 | 7,740 | 2,117 | 226 | 0 | 34,635 |
| 2015 | 380 | 4,418 | 7,422 | 12,039 | 8,085 | 2,111 | 248 | 0 | 34,703 |
| 2016 | 315 | 4,311 | 7,405 | 11,971 | 8,220 | 2,093 | 237 | 0 | 34,552 |

Number of births to Asian birthing parents

| | Age group (years) | | | | | | | Not stated/ Unknown | All births |
|------|-------------------|-------|-------|-------|-------|-------|-------|------------------------|------------|
| | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 | | |
| 1990 | 265 | 1,821 | 4,070 | 3,553 | 1,360 | 253 | 20 | 17 | 11,359 |
| 1991 | 297 | 1,850 | 4,048 | 3,600 | 1,451 | 282 | 16 | 9 | 11,553 |
| 1992 | 282 | 1,870 | 4,015 | 3,608 | 1,563 | 280 | 15 | 7 | 11,640 |
| 1993 | 149 | 1,417 | 3,454 | 3,223 | 1,448 | 225 | 8 | 10 | 9,934 |
| 1994 | 180 | 1,438 | 3,555 | 3,449 | 1,538 | 257 | 11 | 15 | 10,443 |
| 1995 | 174 | 1,534 | 3,686 | 3,599 | 1,576 | 281 | 16 | 14 | 10,880 |
| 1996 | 230 | 1,797 | 4,036 | 3,854 | 1,698 | 310 | 9 | 2 | 11,936 |
| 1997 | 266 | 1,924 | 4,215 | 3,844 | 1,779 | 343 | 13 | 1 | 12,385 |
| 1998 | 262 | 1,920 | 4,125 | 3,798 | 1,799 | 359 | 23 | 3 | 12,289 |
| 1999 | 288 | 2,114 | 4,321 | 3,880 | 1,885 | 372 | 19 | 0 | 12,879 |
| 2000 | 297 | 2,210 | 4,575 | 4,456 | 2,102 | 462 | 20 | 0 | 14,122 |
| 2001 | 279 | 2,259 | 4,361 | 4,270 | 2,048 | 429 | 32 | 0 | 13,678 |
| 2002 | 257 | 2,460 | 4,632 | 4,422 | 2,052 | 457 | 31 | 0 | 14,311 |
| 2003 | 250 | 2,621 | 4,908 | 4,836 | 2,228 | 536 | 48 | 1 | 15,428 |
| 2004 | 233 | 2,448 | 5,043 | 4,855 | 2,359 | 465 | 35 | 0 | 15,438 |
| 2005 | 197 | 2,405 | 4,919 | 4,670 | 2,340 | 514 | 54 | 0 | 15,099 |
| 2006 | 217 | 2,588 | 5,135 | 4,983 | 2,489 | 548 | 44 | 0 | 16,004 |
| 2007 | 196 | 2,836 | 5,806 | 5,491 | 2,818 | 525 | 66 | 0 | 17,738 |
| 2008 | 194 | 2,398 | 5,527 | 5,148 | 2,825 | 550 | 58 | 0 | 16,700 |
| 2009 | 150 | 2,229 | 5,229 | 5,294 | 2,759 | 585 | 52 | 0 | 16,298 |
| 2010 | 174 | 2,051 | 5,143 | 5,279 | 3,052 | 707 | 59 | 0 | 16,465 |
| 2011 | 177 | 2,211 | 5,731 | 5,699 | 3,237 | 719 | 57 | 0 | 17,831 |
| 2012 | 174 | 2,413 | 6,086 | 6,492 | 3,510 | 802 | 65 | 0 | 19,542 |
| 2013 | 167 | 2,162 | 5,592 | 5,867 | 3,409 | 913 | 77 | 0 | 18,187 |
| 2014 | 168 | 2,115 | 5,793 | 6,394 | 3,614 | 834 | 66 | 0 | 18,984 |
| 2015 | 114 | 2,029 | 5,645 | 6,337 | 3,608 | 895 | 76 | 0 | 18,704 |
| 2016 | 118 | 1,903 | 6,204 | 6,597 | 3,796 | 869 | 84 | 0 | 19,571 |

Table 2. Births in New York City, by birthing parent's age and race/ethnicity*, 1990-2016

Sources: NYC DOHMH Bureau of Vital Statistics, 1990-2016

Number of births to Black birthing parents

| | Age group (years) | | | | | | | Not stated/ Unknown | All births |
|------|-------------------|--------|--------|-------|-------|-------|-------|------------------------|------------|
| | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 | | |
| 1990 | 6,041 | 10,842 | 11,621 | 8,324 | 3,563 | 667 | 30 | 76 | 41,164 |
| 1991 | 5,874 | 10,527 | 11,493 | 8,160 | 3,721 | 703 | 25 | 28 | 40,531 |
| 1992 | 5,673 | 10,040 | 10,897 | 8,407 | 3,892 | 745 | 32 | 28 | 39,714 |
| 1993 | 5,690 | 9,600 | 10,331 | 8,282 | 4,080 | 805 | 35 | 21 | 38,844 |
| 1994 | 5,708 | 9,131 | 10,099 | 8,405 | 3,923 | 908 | 32 | 13 | 38,219 |
| 1995 | 5,265 | 8,465 | 9,436 | 8,086 | 4,140 | 817 | 37 | 27 | 36,273 |
| 1996 | 4,934 | 7,839 | 8,647 | 7,592 | 3,980 | 826 | 36 | 12 | 33,866 |
| 1997 | 4,497 | 7,727 | 8,122 | 7,380 | 3,926 | 919 | 52 | 0 | 32,623 |
| 1998 | 4,386 | 7,659 | 8,132 | 7,319 | 4,152 | 977 | 40 | 2 | 32,667 |
| 1999 | 4,089 | 7,833 | 7,708 | 7,123 | 4,215 | 929 | 49 | 0 | 31,946 |
| 2000 | 3,922 | 7,882 | 7,737 | 6,806 | 4,253 | 1,062 | 67 | 0 | 31,729 |
| 2001 | 3,767 | 7,623 | 7,405 | 6,734 | 4,374 | 1,080 | 58 | 0 | 31,041 |
| 2002 | 3,353 | 7,155 | 7,265 | 6,494 | 4,184 | 1,077 | 59 | 0 | 29,587 |
| 2003 | 3,033 | 6,754 | 7,233 | 6,223 | 4,070 | 1,156 | 83 | 0 | 28,552 |
| 2004 | 2,940 | 6,855 | 7,236 | 6,174 | 4,026 | 1,126 | 67 | 0 | 28,424 |
| 2005 | 2,849 | 6,570 | 7,250 | 6,037 | 3,884 | 1,140 | 66 | 0 | 27,796 |
| 2006 | 2,897 | 6,822 | 7,192 | 5,864 | 3,871 | 1,118 | 72 | 0 | 27,836 |
| 2007 | 2,769 | 6,864 | 7,214 | 6,102 | 3,799 | 1,180 | 87 | 0 | 28,015 |
| 2008 | 2,675 | 6,598 | 7,010 | 5,735 | 3,503 | 1,086 | 81 | 0 | 26,688 |
| 2009 | 2,429 | 6,242 | 6,953 | 5,793 | 3,572 | 1,102 | 92 | 0 | 26,183 |
| 2010 | 2,240 | 6,072 | 6,626 | 5,844 | 3,449 | 1,071 | 110 | 0 | 25,412 |
| 2011 | 1,976 | 5,662 | 6,404 | 5,891 | 3,550 | 1,096 | 102 | 0 | 24,681 |
| 2012 | 1,743 | 5,303 | 6,095 | 5,704 | 3,526 | 1,119 | 108 | 0 | 23,598 |
| 2013 | 1,444 | 4,943 | 5,951 | 5,722 | 3,608 | 1,093 | 112 | 0 | 22,873 |
| 2014 | 1,199 | 4,576 | 5,927 | 5,889 | 3,647 | 1,061 | 100 | 0 | 22,399 |
| 2015 | 1,062 | 4,219 | 5,900 | 5,711 | 3,666 | 1,126 | 114 | 0 | 21,798 |
| 2016 | 870 | 3,780 | 5,747 | 5,710 | 3,695 | 1,083 | 125 | 0 | 21,010 |

* Other race was not shown due to small sample sizes.

Table 3. Age-specific birth rates* in New York City by race/ethnicity*, 3-year periods, 1990-2016**

Sources: NYC DOHMH Bureau of Vital Statistics, 1990-2016

All Females**

| | Age 15-19 | | | Age 20-24 | | | Age 25-29 | | | Age 30-34 | | | Age 35-39 | | | Age 40-44 | | | Age 45-49 | | |
|-------------|-----------------------|-------------------------------|-------------------------------|-----------------------|-------------------------------|-------------------------------|-----------------------|-------------------------------|-------------------------------|-----------------------|-------------------------------|-------------------------------|-----------------------|-------------------------------|-------------------------------|-----------------------|-------------------------------|-------------------------------|-----------------------|-------------------------------|-------------------------------|
| | Births per 1000 women | Lower 95% Confidence Interval | Upper 95% Confidence Interval | Births per 1000 women | Lower 95% Confidence Interval | Upper 95% Confidence Interval | Births per 1000 women | Lower 95% Confidence Interval | Upper 95% Confidence Interval | Births per 1000 women | Lower 95% Confidence Interval | Upper 95% Confidence Interval | Births per 1000 women | Lower 95% Confidence Interval | Upper 95% Confidence Interval | Births per 1000 women | Lower 95% Confidence Interval | Upper 95% Confidence Interval | Births per 1000 women | Lower 95% Confidence Interval | Upper 95% Confidence Interval |
| 1990 - 1992 | 57.7 | 57.1 | 58.3 | 101.2 | 100.6 | 101.9 | 104.1 | 103.5 | 104.8 | 85.6 | 85.0 | 86.2 | 43.8 | 43.4 | 44.3 | 10.0 | 9.8 | 10.2 | 0.5 | 0.5 | 0.6 |
| 1993 - 1995 | 56.1 | 55.6 | 56.7 | 92.8 | 92.2 | 93.5 | 95.0 | 94.4 | 95.6 | 84.2 | 83.6 | 84.8 | 45.4 | 44.9 | 45.8 | 11.0 | 10.7 | 11.2 | 0.7 | 0.6 | 0.8 |
| 1996 - 1998 | 48.2 | 47.7 | 48.7 | 85.2 | 84.6 | 85.8 | 86.7 | 86.1 | 87.2 | 80.1 | 79.5 | 80.6 | 44.7 | 44.3 | 45.2 | 11.7 | 11.5 | 12.0 | 0.8 | 0.8 | 0.9 |
| 1999 - 2001 | 41.9 | 41.4 | 42.3 | 85.5 | 84.9 | 86.1 | 83.9 | 83.4 | 84.5 | 79.5 | 79.0 | 80.1 | 46.7 | 46.3 | 47.1 | 12.4 | 12.2 | 12.6 | 1.0 | 0.9 | 1.1 |
| 2002 - 2004 | 34.6 | 34.2 | 35.0 | 81.5 | 80.9 | 82.1 | 83.2 | 82.7 | 83.8 | 82.1 | 81.5 | 82.6 | 50.2 | 49.8 | 50.6 | 13.7 | 13.4 | 13.9 | 1.2 | 1.1 | 1.3 |
| 2005 - 2007 | 32.0 | 31.6 | 32.4 | 81.2 | 80.7 | 81.8 | 83.2 | 82.6 | 83.7 | 87.4 | 86.8 | 88.0 | 54.5 | 54.0 | 54.9 | 14.7 | 14.5 | 15.0 | 1.3 | 1.3 | 1.4 |
| 2008 - 2010 | 28.8 | 28.4 | 29.2 | 73.5 | 73.0 | 74.1 | 80.1 | 79.6 | 80.6 | 89.8 | 89.2 | 90.4 | 58.8 | 58.3 | 59.3 | 16.6 | 16.3 | 16.9 | 1.6 | 1.5 | 1.7 |
| 2011 - 2013 | 23.1 | 22.7 | 23.4 | 65.0 | 64.5 | 65.5 | 74.2 | 73.7 | 74.7 | 88.7 | 88.1 | 89.2 | 62.5 | 62.0 | 63.0 | 17.8 | 17.5 | 18.1 | 1.6 | 1.5 | 1.7 |
| 2014 - 2016 | 17.0 | 16.7 | 17.3 | 60.6 | 60.1 | 61.1 | 71.0 | 70.5 | 71.4 | 89.2 | 88.7 | 89.8 | 65.7 | 65.2 | 66.3 | 18.8 | 18.5 | 19.1 | 1.8 | 1.7 | 1.9 |

Latina Females

| | Age 15-19 | | | Age 20-24 | | | Age 25-29 | | | Age 30-34 | | | Age 35-39 | | | Age 40-44 | | | Age 45-49 | | |
|-------------|-----------------------|-------------------------------|-------------------------------|-----------------------|-------------------------------|-------------------------------|-----------------------|-------------------------------|-------------------------------|-----------------------|-------------------------------|-------------------------------|-----------------------|-------------------------------|-------------------------------|-----------------------|-------------------------------|-------------------------------|-----------------------|-------------------------------|-------------------------------|
| | Births per 1000 women | Lower 95% Confidence Interval | Upper 95% Confidence Interval | Births per 1000 women | Lower 95% Confidence Interval | Upper 95% Confidence Interval | Births per 1000 women | Lower 95% Confidence Interval | Upper 95% Confidence Interval | Births per 1000 women | Lower 95% Confidence Interval | Upper 95% Confidence Interval | Births per 1000 women | Lower 95% Confidence Interval | Upper 95% Confidence Interval | Births per 1000 women | Lower 95% Confidence Interval | Upper 95% Confidence Interval | Births per 1000 women | Lower 95% Confidence Interval | Upper 95% Confidence Interval |
| 1990 - 1992 | 86.6 | 85.4 | 87.9 | 147.6 | 146.1 | 149.1 | 133.7 | 132.4 | 135.1 | 89.4 | 88.2 | 90.5 | 42.1 | 41.2 | 42.9 | 10.3 | 9.8 | 10.7 | 0.6 | 0.5 | 0.7 |
| 1993 - 1995 | 86.7 | 85.5 | 87.9 | 135.9 | 134.5 | 137.3 | 123.9 | 122.6 | 125.2 | 87.9 | 86.8 | 89.0 | 42.2 | 41.4 | 43.0 | 10.0 | 9.6 | 10.5 | 0.6 | 0.5 | 0.7 |
| 1996 - 1998 | 75.4 | 74.3 | 76.5 | 120.2 | 118.9 | 121.5 | 108.0 | 106.8 | 109.2 | 80.7 | 79.6 | 81.7 | 39.4 | 38.7 | 40.2 | 9.9 | 9.5 | 10.3 | 0.6 | 0.5 | 0.7 |
| 1999 - 2001 | 67.0 | 66.0 | 68.0 | 120.4 | 119.1 | 121.7 | 103.7 | 102.6 | 104.9 | 77.8 | 76.8 | 78.9 | 40.2 | 39.5 | 41.0 | 10.0 | 9.6 | 10.4 | 0.6 | 0.5 | 0.7 |
| 2002 - 2004 | 55.9 | 55.0 | 56.8 | 115.9 | 114.6 | 117.1 | 103.8 | 102.7 | 105.0 | 79.1 | 78.1 | 80.1 | 42.4 | 41.7 | 43.2 | 10.9 | 10.5 | 11.3 | 0.7 | 0.5 | 0.8 |
| 2005 - 2007 | 52.7 | 51.8 | 53.5 | 117.2 | 115.9 | 118.5 | 107.1 | 105.9 | 108.2 | 82.0 | 80.9 | 83.1 | 44.5 | 43.7 | 45.3 | 11.4 | 11.0 | 11.8 | 0.7 | 0.6 | 0.8 |
| 2008 - 2010 | 47.1 | 46.3 | 47.9 | 107.1 | 105.9 | 108.3 | 103.7 | 102.5 | 104.8 | 84.5 | 83.4 | 85.6 | 47.4 | 46.6 | 48.3 | 12.7 | 12.3 | 13.2 | 0.9 | 0.8 | 1.0 |
| 2011 - 2013 | 36.9 | 36.2 | 37.7 | 86.2 | 85.2 | 87.2 | 92.9 | 91.9 | 94.0 | 81.3 | 80.3 | 82.4 | 48.9 | 48.1 | 49.8 | 13.2 | 12.8 | 13.7 | 0.8 | 0.6 | 0.9 |
| 2014 - 2016 | 28.1 | 27.5 | 28.8 | 75.5 | 74.6 | 76.5 | 86.8 | 85.8 | 87.8 | 81.6 | 80.6 | 82.7 | 54.1 | 53.2 | 55.0 | 14.6 | 14.1 | 15.1 | 0.9 | 0.8 | 1.1 |

White Females

| | Age 15-19 | | | Age 20-24 | | | Age 25-29 | | | Age 30-34 | | | Age 35-39 | | | Age 40-44 | | | Age 45-49 | | |
|-------------|-----------------------|-------------------------------|-------------------------------|-----------------------|-------------------------------|-------------------------------|-----------------------|-------------------------------|-------------------------------|-----------------------|-------------------------------|-------------------------------|-----------------------|-------------------------------|-------------------------------|-----------------------|-------------------------------|-------------------------------|-----------------------|-------------------------------|-------------------------------|
| | Births per 1000 women | Lower 95% Confidence Interval | Upper 95% Confidence Interval | Births per 1000 women | Lower 95% Confidence Interval | Upper 95% Confidence Interval | Births per 1000 women | Lower 95% Confidence Interval | Upper 95% Confidence Interval | Births per 1000 women | Lower 95% Confidence Interval | Upper 95% Confidence Interval | Births per 1000 women | Lower 95% Confidence Interval | Upper 95% Confidence Interval | Births per 1000 women | Lower 95% Confidence Interval | Upper 95% Confidence Interval | Births per 1000 women | Lower 95% Confidence Interval | Upper 95% Confidence Interval |
| 1990 - 1992 | 16.2 | 15.7 | 16.7 | 47.5 | 46.7 | 48.2 | 63.9 | 63.1 | 64.6 | 68.8 | 68.0 | 69.6 | 40.1 | 39.5 | 40.8 | 9.3 | 9.0 | 9.6 | 0.5 | 0.4 | 0.5 |
| 1993 - 1995 | 17.6 | 17.0 | 18.1 | 50.8 | 50.0 | 51.6 | 61.4 | 60.7 | 62.2 | 71.1 | 70.3 | 72.0 | 44.9 | 44.2 | 45.6 | 11.8 | 11.5 | 12.2 | 0.9 | 0.8 | 1.0 |
| 1996 - 1998 | 15.9 | 15.3 | 16.4 | 52.1 | 51.3 | 53.0 | 60.6 | 59.8 | 61.4 | 72.6 | 71.8 | 73.5 | 48.4 | 47.6 | 49.1 | 14.0 | 13.6 | 14.4 | 1.2 | 1.1 | 1.4 |
| 1999 - 2001 | 11.7 | 11.2 | 12.2 | 50.9 | 50.1 | 51.8 | 59.1 | 58.4 | 59.9 | 77.6 | 76.7 | 78.5 | 53.3 | 52.5 | 54.2 | 15.4 | 15.0 | 15.8 | 1.5 | 1.3 | 1.6 |
| 2002 - 2004 | 10.1 | 9.6 | 10.6 | 50.0 | 49.2 | 50.8 | 57.8 | 57.0 | 58.5 | 83.1 | 82.2 | 84.1 | 61.2 | 60.3 | 62.1 | 18.1 | 17.6 | 18.6 | 1.9 | 1.8 | 2.1 |
| 2005 - 2007 | 9.8 | 9.3 | 10.2 | 48.8 | 48.0 | 49.6 | 55.7 | 55.0 | 56.5 | 90.8 | 89.7 | 91.8 | 68.6 | 67.7 | 69.6 | 20.6 | 20.1 | 21.2 | 2.3 | 2.1 | 2.4 |
| 2008 - 2010 | 8.1 | 7.7 | 8.6 | 43.8 | 43.1 | 44.6 | 51.5 | 50.9 | 52.2 | 93.0 | 92.0 | 94.0 | 74.3 | 73.3 | 75.3 | 23.5 | 22.9 | 24.1 | 2.7 | 2.5 | 2.9 |
| 2011 - 2013 | 7.6 | 7.2 | 8.0 | 48.5 | 47.6 | 49.3 | 50.1 | 49.4 | 50.8 | 93.7 | 92.7 | 94.7 | 79.6 | 78.6 | 80.6 | 24.9 | 24.3 | 25.5 | 2.7 | 2.5 | 3.0 |
| 2014 - 2016 | 6.7 | 6.3 | 7.1 | 54.7 | 53.7 | 55.6 | 50.9 | 50.3 | 51.6 | 93.0 | 92.1 | 94.0 | 82.5 | 81.5 | 83.6 | 25.5 | 24.9 | 26.2 | 3.0 | 2.8 | 3.2 |

Table 3. Age-specific birth rates* in New York City by race/ethnicity*, 3-year periods, 1990-2016**

Sources: NYC DOHMH Bureau of Vital Statistics, 1990-2016

Asian Females

| | Age 15-19 | | | Age 20-24 | | | Age 25-29 | | | Age 30-34 | | | Age 35-39 | | | Age 40-44 | | | Age 45-49 | | |
|-------------|-----------------------|-------------------------------|-------------------------------|-----------------------|-------------------------------|-------------------------------|-----------------------|-------------------------------|-------------------------------|-----------------------|-------------------------------|-------------------------------|-----------------------|-------------------------------|-------------------------------|-----------------------|-------------------------------|-------------------------------|-----------------------|-------------------------------|-------------------------------|
| | Births per 1000 women | Lower 95% Confidence Interval | Upper 95% Confidence Interval | Births per 1000 women | Lower 95% Confidence Interval | Upper 95% Confidence Interval | Births per 1000 women | Lower 95% Confidence Interval | Upper 95% Confidence Interval | Births per 1000 women | Lower 95% Confidence Interval | Upper 95% Confidence Interval | Births per 1000 women | Lower 95% Confidence Interval | Upper 95% Confidence Interval | Births per 1000 women | Lower 95% Confidence Interval | Upper 95% Confidence Interval | Births per 1000 women | Lower 95% Confidence Interval | Upper 95% Confidence Interval |
| 1990 - 1992 | 15.8 | 14.8 | 16.9 | 83.0 | 80.8 | 85.10 | 138.5 | 136.0 | 141.0 | 123.7 | 121.3 | 126.0 | 60.9 | 59.1 | 62.7 | 12.9 | 12.0 | 13.8 | 1.1 | 0.8 | 1.5 |
| 1993 - 1995 | 8.5 | 7.7 | 9.2 | 56.9 | 55.2 | 58.6 | 106.0 | 104.0 | 108.0 | 104.6 | 102.5 | 106.6 | 54.1 | 52.6 | 55.7 | 10.2 | 9.4 | 10.9 | 0.6 | 0.4 | 0.8 |
| 1996 - 1998 | 11.5 | 10.6 | 12.3 | 63.4 | 61.7 | 65.0 | 106.5 | 104.6 | 108.4 | 103.7 | 101.8 | 105.6 | 53.4 | 51.9 | 54.8 | 11.3 | 10.6 | 12.0 | 0.6 | 0.4 | 0.8 |
| 1999 - 2001 | 11.9 | 11.1 | 12.7 | 63.7 | 62.2 | 65.2 | 99.3 | 97.6 | 100.9 | 100.4 | 98.6 | 102.1 | 52.5 | 51.2 | 53.8 | 12.0 | 11.3 | 12.6 | 0.8 | 0.6 | 1.0 |
| 2002 - 2004 | 9.7 | 9.0 | 10.4 | 67.3 | 65.8 | 68.8 | 98.7 | 97.1 | 100.4 | 99.9 | 98.2 | 101.5 | 54.7 | 53.4 | 56.0 | 12.7 | 12.1 | 13.4 | 1.1 | 0.9 | 1.3 |
| 2005 - 2007 | 7.3 | 6.7 | 7.9 | 67.6 | 66.1 | 69.1 | 99.1 | 97.5 | 100.6 | 102.3 | 100.6 | 103.9 | 58.9 | 57.5 | 60.2 | 13.2 | 12.6 | 13.9 | 1.4 | 1.2 | 1.6 |
| 2008 - 2010 | 5.6 | 5.2 | 6.1 | 52.2 | 50.9 | 53.4 | 94.4 | 92.9 | 95.8 | 100.1 | 98.5 | 101.7 | 60.7 | 59.5 | 62.0 | 14.7 | 14.0 | 15.3 | 1.3 | 1.1 | 1.5 |
| 2011 - 2013 | 5.9 | 5.4 | 6.5 | 51.1 | 49.9 | 52.3 | 99.0 | 97.5 | 100.5 | 106.3 | 104.7 | 107.8 | 69.3 | 68.0 | 70.7 | 17.7 | 17.0 | 18.4 | 1.5 | 1.3 | 1.8 |
| 2014 - 2016 | 4.6 | 4.2 | 5.1 | 48.2 | 47.0 | 49.4 | 93.1 | 91.7 | 94.5 | 108.6 | 107 | 110.1 | 70.6 | 69.3 | 71.9 | 18.2 | 17.5 | 18.9 | 1.7 | 1.5 | 1.9 |

Black Females

| | Age 15-19 | | | Age 20-24 | | | Age 25-29 | | | Age 30-34 | | | Age 35-39 | | | Age 40-44 | | | Age 45-49 | | |
|-------------|-----------------------|-------------------------------|-------------------------------|-----------------------|-------------------------------|-------------------------------|-----------------------|-------------------------------|-------------------------------|-----------------------|-------------------------------|-------------------------------|-----------------------|-------------------------------|-------------------------------|-----------------------|-------------------------------|-------------------------------|-----------------------|-------------------------------|-------------------------------|
| | Births per 1000 women | Lower 95% Confidence Interval | Upper 95% Confidence Interval | Births per 1000 women | Lower 95% Confidence Interval | Upper 95% Confidence Interval | Births per 1000 women | Lower 95% Confidence Interval | Upper 95% Confidence Interval | Births per 1000 women | Lower 95% Confidence Interval | Upper 95% Confidence Interval | Births per 1000 women | Lower 95% Confidence Interval | Upper 95% Confidence Interval | Births per 1000 women | Lower 95% Confidence Interval | Upper 95% Confidence Interval | Births per 1000 women | Lower 95% Confidence Interval | Upper 95% Confidence Interval |
| 1990 - 1992 | 77.3 | 76.2 | 78.5 | 125.2 | 123.9 | 126.6 | 120.6 | 119.3 | 121.9 | 91.7 | 90.6 | 92.9 | 44.6 | 43.7 | 45.4 | 9.6 | 9.2 | 10.0 | 0.5 | 0.4 | 0.6 |
| 1993 - 1995 | 72.4 | 71.3 | 73.5 | 111.2 | 109.9 | 112.5 | 110.9 | 109.6 | 112.1 | 91.4 | 90.2 | 92.5 | 46.2 | 45.4 | 47.1 | 10.8 | 10.4 | 11.3 | 0.5 | 0.4 | 0.6 |
| 1996 - 1998 | 59.4 | 58.4 | 60.4 | 97.4 | 96.2 | 98.7 | 96.8 | 95.6 | 98.0 | 82.3 | 81.2 | 83.3 | 43.9 | 43.1 | 44.6 | 11.0 | 10.6 | 11.4 | 0.6 | 0.5 | 0.7 |
| 1999 - 2001 | 50.5 | 49.6 | 51.4 | 99.8 | 98.5 | 101.0 | 93.9 | 92.7 | 95.1 | 77.2 | 76.1 | 78.3 | 45.0 | 44.2 | 45.8 | 11.6 | 11.2 | 12.1 | 0.8 | 0.7 | 0.9 |
| 2002 - 2004 | 40.7 | 39.8 | 41.5 | 89.8 | 88.6 | 91.1 | 94.3 | 93.0 | 95.5 | 77.4 | 76.3 | 78.5 | 45.9 | 45.1 | 46.7 | 12.4 | 12.0 | 12.8 | 0.9 | 0.8 | 1.0 |
| 2005 - 2007 | 36.4 | 35.7 | 37.2 | 91.8 | 90.5 | 93.0 | 94.9 | 93.6 | 96.2 | 83.7 | 82.5 | 84.9 | 48.3 | 47.4 | 49.1 | 13.2 | 12.7 | 13.6 | 0.9 | 0.8 | 1.0 |
| 2008 - 2010 | 32.4 | 31.7 | 33.1 | 84.3 | 83.1 | 85.5 | 90.5 | 89.3 | 91.7 | 81.0 | 79.8 | 82.2 | 48.5 | 47.5 | 49.4 | 13.8 | 13.3 | 14.2 | 1.1 | 1.0 | 1.3 |
| 2011 - 2013 | 25.9 | 25.2 | 26.6 | 66.9 | 65.9 | 68.0 | 80.0 | 78.8 | 81.1 | 78.8 | 77.7 | 80.0 | 52.4 | 51.4 | 53.4 | 15.1 | 14.5 | 15.6 | 1.3 | 1.2 | 1.5 |
| 2014 - 2016 | 17.7 | 17.1 | 18.3 | 56.1 | 55.2 | 57.1 | 72.0 | 70.9 | 73.1 | 79.6 | 78.4 | 80.7 | 54.0 | 52.9 | 55.0 | 16.3 | 15.7 | 16.8 | 1.5 | 1.4 | 1.7 |

*The age-specific birth rate is calculated in seven 5-year intervals from ages 15-19 to 45-49 by taking the number of births in the age category divided by the number of women in the age-category.

** Other race was not shown due to small sample sizes.

Table 4. Infant mortality rate by race/ethnicity, 1990-2016

Sources: NYC DOHMH Bureau of Vital Statistics annual reports, 1990-2016

Infant Mortality Rate (deaths under 1 year) per 1000 live births

| | Overall | White | Black | Asian/ Pacific Islander | Latina | Other* |
|------|---------|-------|-------|----------------------------|--------|--------|
| 1990 | 11.6 | 9.1 | 16.9 | | | 2.8 |
| 1991 | 11.4 | 8.5 | 17.1 | | | 3.8 |
| 1992 | 10.2 | 7.8 | 15.8 | | | 6.5 |
| 1993 | 10.2 | 7.9 | 15.6 | | | 6.4 |
| 1994 | 9.0 | 6.8 | 14.3 | | | 5.4 |
| 1995 | 8.8 | 7.3 | 13.1 | | | 5.0 |
| 1996 | 7.8 | 6.0 | 10.2 | | | 10.0 |
| 1997 | 7.1 | 5.5 | 8.3 | | | 2.9 |
| 1998 | 6.8 | 5.1 | 7.8 | | | 2.7 |
| 1999 | 6.9 | 5.2 | 8.1 | | | 2.8 |
| 2000 | 6.7 | 5.7 | 9.2 | | | 3.5 |
| 2001 | 6.1 | 4.2 | 10.0 | 3.1 | 5.6 | |
| 2002 | 6.0 | 4.1 | 10.1 | 2.5 | 5.8 | |
| 2003 | 6.5 | 3.8 | 11.3 | 3.5 | 6.2 | |
| 2004 | 6.1 | 3.5 | 11.6 | 4.1 | 5.3 | |
| 2005 | 6.0 | 4.8 | 9.7 | 3.7 | 5.1 | |
| 2006 | 5.9 | 3.8 | 10.5 | 3.6 | 5.5 | |
| 2007 | 5.4 | 3.9 | 9.8 | 3.1 | 4.8 | |
| 2008 | 5.5 | 3.3 | 10.2 | 3.2 | 5.2 | |
| 2009 | 5.3 | 3.4 | 9.5 | 2.8 | 5.2 | |
| 2010 | 4.9 | 2.8 | 8.6 | 3.4 | 4.8 | |
| 2011 | 4.7 | 3.1 | 8.1 | 2.9 | 4.9 | |
| 2012 | 4.7 | 2.7 | 8.5 | 3.3 | 5.2 | |
| 2013 | 4.6 | 3.0 | 8.3 | 3.1 | 4.4 | |
| 2014 | 4.2 | 2.6 | 7.5 | 2.6 | 4.9 | |
| 2015 | 4.3 | 2.7 | 8.0 | 2.6 | 4.6 | |
| 2016 | 4.1 | 2.6 | 8.0 | 2.9 | 3.7 | |

*Before 2001, race/ethnicity categories were grouped as White, Black and Other. Asian/Pacific Islander and Latino/a were not available in annual reports.