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November 8, 2019

Steven T. James House Clerk State House Room 145 Boston, MA 02133

Michael D. Hurley Senate Clerk State House Room 335 Boston, MA 02133

Dear Mr. Clerk,

Pursuant to Section 2 of Chapter 111 of the Massachusetts General Laws, the attached report summarizes birth data and statistics for the 2017 calendar year.

Sincerely,

Monica Bharel, MD, MPH Commissioner Department of Public Health

Charles D. Baker Governor

Karyn Polito Lieutenant Governor



Marylou Sudders Secretary

Monica Bharel, MD, MPH Commissioner

Massachusetts Births 2017

November 2019



Massachusetts Births 2017



Massachusetts Department of Public Health Registry of Vital Records and Statistics November 2019

Updated June 16, 2020

Massachusetts Births 2017

Charles D. Baker, Governor
Marylou Sudders, Secretary of Health and Human Services
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Massachusetts Department of Public Health

November 2019

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To obtain additional copies of this report, contact:

Massachusetts Department of Public Health Registry of Vital Records and Statistics 150 Mt. Vernon Street, 1st Floor Dorchester, MA 02125 (617) 740-2670

To obtain more information on births in Massachusetts and other Department of Public Health data please visit the Department's free, Internet-based public health information reports at: http://www.mass.gov/dph/phit or email DPH.PHIT@state.ma.us

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Note to Readers

As required by Chapter 111, Section 2 of the General Laws, this report satisfies the requirement of the annual report of statistics on births for calendar year 2017 (Annual Report Vital Statistics of Massachusetts-Births, Public Document #1 2017). Public Document #1 information on 2017 deaths, marriages, and divorces is covered in separate reports.

- Population Sources. We have used two population files based upon the 2010 Census for denominators in rate calculations:
 - The 2017 Modified Age, Race/Ethnicity, and Sex file (MARS), which is a bridged population file produced by the National Center for Health Statistics (NCHS) and the Census Bureau Population Estimates Program was used to calculate <u>state rates by race and Hispanic ethnicity</u>, e.g., teen birth rates. This file has data by single years of age, sex, race and Hispanic ethnicity in the five mutually exclusive categories used by the Department: White Non-Hispanic, Black Non-Hispanic, Asian Non-Hispanic, American Indian/Alaska Native Non-Hispanic, and Hispanic.
 - The Massachusetts Department of Public Health Race Allocated Census 2010 Estimates file, which contains population estimates based upon the Census 2010 Summary File 1, was used to calculate city, town, and other substate rates. In this file, the Census 2010 race categories, "Two or more races" and "Some other race" are redistributed to the MDPH standard race categories: White Non-Hispanic, Black Non-Hispanic, Asian Non-Hispanic, and American Indian/Alaska Native Non-Hispanic. All persons in the Census 2010 Hispanic ethnicity category are counted as "Hispanic" race in the MDPH estimates. Please note: If the population in your community increased from 2010 to 2017, the rates listed may overestimate the actual rate. If the population in your community declined from 2010 to 2017, the rates given in the publication may underestimate the actual rate.
- 2. Resident births. All data in this publication are resident data unless otherwise stated. Resident data include all events that occur to residents of the Commonwealth, including resident births that occur in other U.S. States and territories.
- 3. Race and Ethnicity. In the text, the race categories, White, Black, American Indian/Alaska Native, Asian, and Hispanic are mutually exclusive. For example, when we refer to White mothers, this means White Non-Hispanic mothers. See "Technical Notes" for detailed information on the multiple-race reporting area and methods used to bridge responses for those who report more than one race to a single race. Please note that trend data on minority groups such as Native Americans, Hispanics, Blacks, and Asians may not be comparable as these groups will show increases in the number of births solely related to the methods used for re-classification of multiple races into single race categories. Please use caution in interpreting these numbers.
- **4. Adjusted Adequacy of Prenatal Care Utilization Index.** In 2017, there were continued reporting issues for the number of prenatal visits in three hospitals: Newton Wellesley Hospital, Saint Vincent Hospital, and Winchester Hospital. Adjusted Prenatal Care Utilization Index (APCUI) presents adequate prenatal care without these three hospitals since their data are considered to be unreliable.
- 5. Breastfeeding. Beginning in 2016, statistics on breastfeeding indicate whether the infant was being breastfeed during the hospital stay. In earlier birth reports, statistics on breastfeeding reported on breastfeeding at the time of discharge. Please use caution when comparing breastfeeding data before and after 2016.
- **6. Tables/Figures Based on Mothers.** Please note that Tables 18-19 and Figures 7-11 are based on mothers and not births.

Suggested Citation

Massachusetts Births 2017 Boston, MA: Registry of Vital Records and Statistics, Massachusetts Department of Public Health. November 2019.

Selected Takeaways

- In 2017, there were 70,704 births to Massachusetts resident mothers, a decline of 0.9% from 71,319 in 2016 and a decline of 23.5% since 1990 (Table 1). The number of births to mothers age 30 and older increased (for the 8th year in a row) by 0.7% percent (2016: 43,377; 2017: 43,669). Similarly, the number of births to mothers under 30 decreased by 3.2% percent (2016: 27,942; 2017: 27,035) (Figure 1).
- Between 2016 and 2017, the number of births to White Non-Hispanic and Asian Non-Hispanic mothers decreased by 3.4% and 4.6%, respectively, while the number of births to Black Non-Hispanic and Hispanic mothers increased by 2.2% and 3.2%, respectively (Table 1).
- In 2017, the Massachusetts teen birth rate decreased for the tenth year in a row. The teen birth rate was 22.0 births per 1,000 women age 15-19 in 2007, while in 2017 the rate was 8.1 births per 1,000 women age 15-19 (Table 1). Between 2016 and 2017, the percentage of births to mothers less than 20 years old decreased for all races/ethnicities besides American Indian Non-Hispanic. However, disparities persisted, and the percentage of teen births to Hispanic women remained over five times higher than the percentage of teen births to White Non-Hispanic women (Table 2).
- In 2017, 31.6% of births were cesarean deliveries (Table 1). Among White Non-Hispanic, Black Non-Hispanic, Hispanic, and Asian Non-Hispanic births, Black Non-Hispanics had the highest percentage of cesarean deliveries (34.9%), while Asian Non-Hispanics had the lowest percentage (29.2%) (Table 2).
- In 2017, the percentage of births to mothers affected by gestational diabetes increased to 6.5% from 5.6% in 2016 (Table 1).
- For the fourth year in a row, the percentage of low birthweight infants (less than 2,500 grams or 5.5 pounds) remained unchanged (2014: 7.5%; 2015: 7.5%; 2016: 7.5%; 2017: 7.5%) (Table 1).
- From 2016 to 2017, the percentage of preterm births (births occurring at less than 37 weeks of gestation) increased slightly from 8.7% to 8.9% (Table 1). The percentage of White Non-Hispanic and Black Non-Hispanic preterm births remained the same from 2016 to 2017 at 8.0% and 11.2%, respectively. In contrast, this percentage increased for Asian Non-Hispanics from 7.5% to 8.3% and for Hispanics from 9.6% to 10.0% (Table 10).
- From 2016 to 2017, the percentage of births to mothers who received adequate prenatal care reversed course and dropped from 82.3% to 80.5% (Table 1). In 2017, the percentage of births with adequate prenatal care was higher among those with private insurance (87.0%) than public insurance (73.5%) (Table 16).
- The percentage of births to mothers whose prenatal care was covered through public insurance increased slightly from 2016 (38.6%) to 2017 (39.2%) (Table 1).
- The percentage of multiple births decreased slightly from 3.7% in 2016 to 3.6% in 2017. The percentage of multiple births to mothers under 35 years old increased slightly from 3.1% to 3.2%, and the corresponding percentage for multiple births to mothers 35 and older decreased from 5.7% to 5.1% (Table 4).
- Smoking during pregnancy continued to decline in 2017. The percentage of infants whose mothers reported smoking during pregnancy decreased from 5.3% in 2016 to 4.9% in 2017 (Figure 11).
- In Massachusetts 3,421 women used fertility treatment in 2017. The percentage of mothers who used assisted reproductive technology (ART) among all mothers who used infertility treatment increased from 68.9% in 2016 to 70.7% in 2017. The percentage of mothers who used ART fertility treatment was much higher among White Non-Hispanic mothers at 77.6% than among Black Non-Hispanic, Asian Non-Hispanic, and Hispanic mothers at 4.2%, 11.3%, and 6.4%, respectively (Table 21).

| Characteristic | | 1990 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|-----------------------------------|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Births ¹ | n² | 92,461 | 80,167 | 78,460 | 76,824 | 77,670 | 77,934 | 76,969 | 74,966 | 72,835 | 73,169 | 72,457 | 71,618 | 71,867 | 71,484 | 71,319 | 70,704 |
| | Rate ³ | 62.1 | 56.8 | 56.2 | 55.6 | 56.9 | 57.2 | 56.5 | 55.1 | 53.7 | 54.1 | 53.3 | 52.5 | 52.1 | 52.0 | 52.0 | 51.2 |
| Race of Mother | | | | | | | | | | | | | | | | | |
| White Non-Hispanic | n | 72,483 | 57,604 | 55,322 | 53,469 | 52,975 | 52,620 | 51,760 | 49,759 | 48,466 | 45,973 | 45,032 | 44,432 | 44,128 | 43,255 | 42,448 | 40,989 |
| | % ⁴ | 78.4 | 71.9 | 70.5 | 69.6 | 68.2 | 67.5 | 67.2 | 66.4 | 66.5 | 62.8 | 62.1 | 62.0 | 61.4 | 60.5 | 59.5 | 58.0 |
| Black Non-Hispanic | n | 7,158 | 5,902 | 6,053 | 6,077 | 6,452 | 6,462 | 6,652 | 6,945 | 6,794 | 6,999 | 6,892 | 7,016 | 7,071 | 6,949 | 7,095 | 7,251 |
| | % ⁴ | 7.7 | 7.4 | 7.7 | 7.9 | 8.3 | 8.3 | 8.6 | 9.3 | 9.3 | 9.6 | 9.5 | 9.8 | 9.8 | 9.7 | 9.9 | 10.3 |
| Asian Non-Hispanic | n | 3,349 | 5,224 | 5,454 | 5,251 | 5,469 | 5,758 | 5,958 | 5,939 | 5,817 | 6,022 | 6,530 | 6,220 | 6,426 | 6,473 | 6,647 | 6,338 |
| | % ⁴ | 3.6 | 6.5 | 7.0 | 6.8 | 7.0 | 7.4 | 7.7 | 7.9 | 8.0 | 8.2 | 9.0 | 8.7 | 8.9 | 9.1 | 9.3 | 9.0 |
| Hispanic | n | 8,406 | 9,764 | 9,798 | 10,061 | 10,696 | 10,861 | 10,895 | 10,986 | 10,588 | 12,777 | 13,088 | 12,315 | 12,670 | 12,927 | 13,100 | 13,516 |
| | % ⁴ | 9.1 | 12.2 | 12.5 | 13.1 | 13.8 | 13.9 | 14.2 | 14.7 | 14.5 | 17.5 | 18.1 | 17.2 | 17.6 | 18.1 | 18.4 | 19.1 |
| Teen Births | n | 7,258 | 4,639 | 4,559 | 4,539 | 4,722 | 4,944 | 4,583 | 4,477 | 3,907 | 3,480 | 3,219 | 2,732 | 2,402 | 2,140 | 1,931 | 1,827 |
| (Ages 15-19) | Rate ³ | 35.4 | 23.0 | 22.2 | 21.7 | 21.3 | 22.0 | 20.1 | 19.5 | 17.1 | 15.4 | 14.0 | 12.0 | 10.6 | 9.4 | 8.5 | 8.1 |
| Births to Unmarried | n | 22,837 | 22,262 | 22,376 | 23,170 | 24,977 | 26,010 | 26,146 | 26,029 | 25,220 | 25,349 | 24,900 | 24,014 | 23,853 | 23,913 | 23,566 | 23,309 |
| | % | 24.7 | 27.8 | 28.5 | 30.2 | 32.2 | 33.4 | 34.0 | 34.7 | 34.6 | 34.8 | 34.5 | 33.7 | 33.3 | 33.6 | 33.2 | 33.1 |
| Cesarean Deliveries | n | 20,615 | 23,392 | 24,295 | 24,732 | 25,901 | 26,240 | 26,240 | 25,067 | 24,244 | 23,062 | 22,900 | 22,508 | 22,691 | 22,431 | 22,302 | 22,290 |
| | % | 22.3 | 29.2 | 31.0 | 32.3 | 33.4 | 33.7 | 34.3 | 33.6 | 33.3 | 32.5 | 31.7 | 31.5 | 31.6 | 31.4 | 31.3 | 31.6 |
| Gestational Diabetes ⁵ | n | | 2,693 | 2,741 | 2,666 | 2,925 | 3,279 | 3,086 | 3,445 | 3,368 | 3,698 | 4,070 | 3,784 | 3,867 | 4,287 | 4,005 | 4,575 |
| | % | | 3.4 | 3.5 | 3.5 | 3.8 | 4.2 | 4.0 | 4.7 | 4.7 | 5.1 | 5.6 | 5.3 | 5.4 | 6.0 | 5.6 | 6.5 |
| Low Birthweight ⁶ | n | 5,388 | 6,115 | 6,125 | 6,073 | 6,150 | 6,147 | 5,955 | 5,804 | 5,650 | 5,458 | 5,491 | 5,495 | 5,394 | 5,321 | 5,341 | 5,261 |
| | % | 5.8 | 7.6 | 7.8 | 7.9 | 7.9 | 7.9 | 7.8 | 7.8 | 7.8 | 7.6 | 7.6 | 7.7 | 7.5 | 7.5 | 7.5 | 7.5 |
| Preterm ⁷ | n | 5,899 | 6,963 | 7,222 | 6,925 | 6,954 | 6,980 | 6,750 | 6,516 | 6,234 | 5,992 | 6,107 | 6,300 | 6,161 | 6,001 | 6,167 | 6,272 |
| | % | 6.5 | 8.7 | 9.2 | 9.0 | 9.0 | 9.0 | 8.8 | 8.7 | 8.6 | 8.4 | 8.6 | 8.8 | 8.6 | 8.4 | 8.7 | 8.9 |
| Late Preterm ⁸ | n | 3,977 | 4,800 | 5,016 | 4,808 | 4,918 | 4,945 | 4,753 | 4,602 | 4,361 | 4,206 | 4,422 | 4,518 | 4,394 | 4,305 | 4,492 | 4,680 |
| | % | 4.4 | 6.0 | 6.4 | 6.3 | 6.3 | 6.4 | 6.2 | 6.2 | 6.0 | 5.9 | 6.2 | 6.3 | 6.1 | 6.0 | 6.3 | 6.6 |
| Prenatal Care | | | | | | | | | | | | | | | | | |
| Public Pay Prenatal Care9 | % | 25.1 | 28.3 | 29.9 | 31.9 | 33.5 | 34.9 | 34.5 | 35.3 | 35.8 | 38.8 | 39.8 | 38.9 | 42.9 | 38.3 | 38.6 | 39. |
| APNCU Index ¹⁰ | % | | 84.5 | 84.2 | 84.0 | 83.1 | 82.8 | 82.1 | 84.3 | 84.9 | 82.8 | 83.4 | 83.7 | 82.6 | 81.8 | 82.1 | 80. |
| Adjusted APNCU Index11 | % | | | | | | | | | | 85.3 | 85.4 | 84.5 | 83.1 | 81.8 | 82.3 | 80. |

NOTE: All percentages are calculated based on only those births with known values for the characteristic(s) of interest, unless otherwise stated. 1. Births presented in all tables are resident live births unless otherwise specified. 2. Differences in numbers of births from previous publications are the result of updated files. 3. Birth rates represent the total number of births to women ages 15-44 years per 1,000 females ages 15-44; teen birth rates refer to number of births per 1,000 females ages 15-19. Population data for computing 2017 birth rates at the state level were provided by the US Census Bureau. See the "Population Denominators" section of the "Technical Notes" for further information. 4. Percentages are calculated based on births, including those to mothers of unknown race. 5. Gestational diabetes is defined as glucose intolerance found during pregnancy for the first time. It excludes with pre-existing diabetes. 6. Low birthweight: less than 2,500 grams or 5.5 pounds. 7. Preterm: <37 weeks gestation. 8. Late preterm: 34-36 weeks gestation. 9. Government programs including Commonhealth, Healthy Start, Medicaid/MassHealth, and Medicare (may also be HMO or managed care), or free care; other: Worker's Compensation and other sources. 10. Beginning with Births 2001, the APNCU Index has replaced the Kessner Index as the standard measurement of adequacy of prenatal care (see Technical Notes for more information). 11. Does not include data from Newton Wellesley, Saint Vincent and Winchester hospitals because of reporting problems.

Table 2. Birth Characteristics by Maternal Race/Hispanic Ethnicity and Birthplace, Massachusetts: 2017

| Race and Hispanic | Birtl | hs | | Teen E | Births | | | Birthw | eight | | | Prenat | al Care | | Cesar | | Breastfe | eding⁵ |
|----------------------------------|--------|----------------|--------|--------|-----------|------|-----------|-----------------|-------|----------------|--------|--------|----------------------|--------|--------|------|----------|--------|
| Ethnicity (by | | | <18 Ye | ears | <20 Ye | ears | Very L | OW ² | Lo | w ³ | Adequ | ıate⁴ | 1 st Trim | nester | Delive | ries | | |
| mother's birthplace) | n | % ¹ | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % |
| State Total | 70,704 | 100.0 | 471 | 0.7 | 1,843 | 2.6 | 774 | 1.1 | 5,261 | 7.5 | 49,523 | 80.5 | 55,171 | 79.1 | 22,290 | 31.6 | 60,277 | 85.5 |
| US inc. DC | 47,150 | 66.7 | 313 | 0.7 | 1,259 | 2.7 | 508 | 1.1 | 3,432 | 7.3 | 33,558 | 83.5 | 38,241 | 82.3 | 14,742 | 31.3 | 39,045 | 83.1 |
| US Territories ⁷ | 1,726 | 2.4 | 43 | 2.5 | 163 | 9.4 | 33 | 1.9 | 199 | 11.5 | 1,271 | 77.6 | 1,292 | 75.7 | 558 | 32.3 | 1,373 | 80.1 |
| Non-US-born ⁸ | 21,821 | 30.9 | 115 | 0.5 | 420 | 1.9 | 230 | 1.1 | 1,627 | 7.5 | 14,691 | 74.6 | 15,634 | 72.6 | 6,990 | 32.1 | 19,857 | 91.2 |
| White Non-Hispanic | 40,989 | 58.0 | 111 | 0.3 | 548 | 1.3 | 333 | 0.8 | 2,565 | 6.3 | 29,029 | 84.2 | 33,640 | 83.1 | 12,870 | 31.4 | 34,670 | 84.7 |
| US inc. DC | 36,263 | 88.5 | 103 | 0.3 | 509 | 1.4 | 291 | 0.8 | 2,299 | 6.3 | 25,816 | 85.2 | 30,049 | 83.9 | 11,424 | 31.5 | 30,309 | 83.7 |
| US Territories ⁷ | 13 | 0.0 | 0 | 0.0 | 6 | 6 | 6 | 6 | 6 | 6 | 10 | 83.3 | 11 | 84.6 | 6 | 6 | 11 | 84.6 |
| Non-US-born ⁸ | 4,712 | 11.5 | 8 | 0.2 | 38 | 0.8 | 40 | 8.0 | 263 | 5.6 | 3,202 | 77.3 | 3,579 | 76.8 | 1,443 | 30.6 | 4,350 | 92.5 |
| Black Non-Hispanic | 7,251 | 10.3 | 68 | 0.9 | 232 | 3.2 | 164 | 2.3 | 768 | 10.6 | 4,601 | 68.8 | 4,795 | 67.3 | 2,534 | 34.9 | 6,298 | 87.2 |
| US inc. DC | 3,016 | 41.6 | 55 | 1.8 | 175 | 5.8 | 90 | 3.0 | 404 | 13.4 | 2,060 | 73.8 | 2,177 | 73.2 | 1,016 | 33.7 | 2,414 | 80.5 |
| US Territories ⁷ | 6 | 6 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 6 | 6 | 6 | 6 | 0 | 0.0 | 6 | 6 |
| Non-US-born ⁸ | 4,234 | 58.4 | 13 | 0.3 | 57 | 1.3 | 74 | 1.7 | 364 | 8.6 | 2,540 | 65.1 | 2,617 | 63.0 | 1,518 | 35.9 | 3,883 | 92.0 |
| Hispanic | 13,516 | 19.1 | 269 | 2.0 | 972 | 7.2 | 185 | 1.4 | 1,145 | 8.5 | 9.629 | 75.6 | 9,715 | 72.8 | 4,223 | 31.2 | 11,334 | 84.1 |
| US inc. DC | 5,111 | 37.8 | 138 | 2.7 | 511 | 10.0 | 88 | 1.7 | 482 | 9.4 | 3,682 | 78.2 | 3,834 | 76.0 | 1,531 | 30.0 | 4,030 | 79.0 |
| US Territories ⁷ | 1.689 | 12.5 | 43 | 2.5 | 162 | 9.6 | 32 | 1.9 | 194 | 11.5 | 1.246 | 77.7 | 1,263 | 75.6 | 547 | 32.4 | 1,343 | 80.0 |
| Non-US-born ⁸ | 6,714 | 49.7 | 88 | 1.3 | 298 | 4.4 | 65 | 1.0 | 469 | 7.0 | 4,701 | 73.3 | 4,617 | 69.7 | 2,145 | 31.9 | 5,960 | 88.9 |
| Asian Non-Hispanic | 6,338 | 9.0 | 10 | 0.2 | 31 | 0.5 | 40 | 0.6 | 526 | 8.3 | 4,334 | 81.9 | 5,029 | 80.2 | 1,851 | 29.2 | 5,773 | 91.2 |
| US inc. DC | 1,207 | 19.0 | 8 | 0.7 | 20 | 1.7 | 9 | 0.7 | 103 | 8.5 | 831 | 82.9 | 969 | 81.4 | 310 | 25.7 | 1,034 | 85.7 |
| US Territories ⁷ | 5 | 0.1 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 6 | 6 | 6 | 6 | 5 | 100.0 | 6 | 6 | 5 | 100.0 |
| Non-US-born ⁸ | 5,126 | 80.9 | 6 | 6 | 11 | 0.2 | 31 | 0.6 | 421 | 8.2 | 3,499 | 81.7 | 4,055 | 79.9 | 1,540 | 30.0 | 4,734 | 92.4 |
| American Indian Non- | , | | | | | | | | | | , | | , | | , | | , | |
| Hispanic ⁹ | 246 | 0.3 | 5 | 2.0 | 19 | 7.7 | 6 | 6 | 19 | 7.8 | 165 | 76.7 | 170 | 71.4 | 83 | 33.7 | 184 | 74.8 |
| US inc. DC | 236 | 95.9 | 5 | 2.1 | 19 | 8.1 | 6 | 6 | 19 | 8.1 | 157 | 76.6 | 164 | 71.9 | 81 | 34.3 | 175 | 74.2 |
| US Territories ⁷ | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Non-US-born ⁸ | 10 | 4.1 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 8 | 80.0 | 6 | 60.0 | 6 | 6 | 9 | 90.0 |
| Other Non-Hispanic ¹⁰ | 438 | 0.6 | 6 | 6 | 5 | 1.1 | 6 | 1.4 | 38 | 8.7 | 289 | 70.3 | 286 | 66.7 | 139 | 31.7 | 389 | 88.8 |
| US inc. DC | 90 | 20.5 | 6 | 6 | 6 | 6 | 6 | 6 | 10 | 11.1 | 72 | 81.8 | 70 | 77.8 | 31 | 34.4 | 68 | 75.6 |
| US Territories ⁷ | 6 | 6 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 6 | 6 | 0 | 0.0 | 0 | 0.0 |
| Non-US-born ⁸ | 347 | 79.2 | Ō | 0.0 | 6 | 6 | 5 | 1.4 | 28 | 8.1 | 217 | 67.4 | 215 | 63.6 | 108 | 31.1 | 321 | 92.5 |
| Unknown | 1,926 | 2.7 | 7 | 0.4 | 36 | 1.9 | 42 | 2.2 | 200 | 10.7 | 1,476 | 86.1 | 1,536 | 85.0 | 590 | 32.0 | 1,629 | 88.3 |

NOTE: All percentages are calculated based on only those births with known values for the characteristic(s) of interest, unless otherwise stated.

^{1.} In the column "Births %," the percentages of the race/Hispanic groups (bolded) are based on the state total (including births of unknown race/ethnicity), and the birthplace percentage for the race/ethnicities are based on the total number in race/Hispanic ethnicity category. For all other categories, percentages are based on row totals. 2. Very low birthweight: less than 1,500 grams or 3.3 pounds. 3. Low birthweight: less than 2,500 grams or 5.5 pounds. 4. Based on Adequacy of Prenatal Care Utilization (APNCU) Index. Does not include data from Newton Wellesley, Saint Vincent and Winchester hospitals because of reporting problems. 5. Infant was being breastfed during the hospital stay. 6. Calculations based on 1-4 events are excluded. 7. The category "US Territories" includes women born in Puerto Rico, the US Virgin Islands, and Guam. Approximately 95% of the births in this category were to women born in Puerto Rico. 8. The category "Non-US-born" includes women born outside of the 50 US states, District of Columbia, and the US territories. 9. Mothers who selected American Indian/Alaska Native as their race. 10. Mothers who indicated "Other" as their race.

2

Table 3. Birth Characteristics by Maternal Ancestry, Massachusetts: 2017

| Maternal | Birtl | hs¹ | | | Births | | Lo | | | | tal Care | | Late | | Cesar | | Brea | | Gestat | |
|--------------------------|--------|-------|--------|-----|--------|------|--------|------|--------|------------------|----------|--------|--------|-----|--------|------|--------|------|--------|------|
| Ancestry | | | <18 ye | | <20 Y | | Birthw | | Adequ | ate ³ | | mester | Preter | | Secti | | feedi | | Diabe | |
| | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N | % |
| | | | | | | | | | | | | | | | | | | | | |
| State Total | 70,704 | 100.0 | 471 | 0.7 | 1,843 | 2.6 | 5,261 | 7.5 | 49,523 | 80.5 | 55,171 | 79.1 | 4,680 | 6.6 | 22,290 | 31.6 | 60,277 | 85.5 | 4,575 | 6.5 |
| American | 32,580 | 46.1 | 141 | 0.4 | 638 | 2.0 | 2,110 | 6.5 | 23,605 | 84.4 | 26,773 | 83.0 | 2,141 | 6.6 | 10,182 | 31.3 | 27,653 | 85.0 | 1,924 | 5.9 |
| European | 8,797 | 12.4 | 14 | 0.2 | 69 | 0.8 | 468 | 5.3 | 5,804 | 85.9 | 7,396 | 84.8 | 471 | 5.4 | 2,687 | 30.5 | 8,085 | 92.0 | 479 | 5.4 |
| Puerto Rican | 4,746 | 6.7 | 141 | 3.0 | 496 | 10.5 | 496 | 10.5 | 3,438 | 77.8 | 3,551 | 75.8 | 380 | 8.0 | 1,491 | 31.4 | 3,633 | 76.8 | 303 | 6.4 |
| African American | 3,167 | 4.5 | 49 | 1.5 | 176 | 5.6 | 419 | 13.3 | 2,156 | 73.6 | 2,275 | 72.9 | 275 | 8.7 | 1,062 | 33.5 | 2,546 | 80.8 | 161 | 5.1 |
| Dominican | 3,140 | 4.4 | 51 | 1.6 | 198 | 6.3 | 260 | 8.3 | 2,303 | 76.4 | 2,275 | 73.5 | 193 | 6.1 | 1,154 | 36.8 | 2,744 | 87.7 | 155 | 4.9 |
| African | 2,112 | 3.0 | 7 | 7 | 11 | 0.5 | 145 | 6.9 | 1,307 | 68.6 | 1,340 | 64.3 | 120 | 5.7 | 770 | 36.5 | 1,953 | 92.7 | 150 | 7.1 |
| Portuguese | 2,084 | 2.9 | 18 | 0.9 | 85 | 4.1 | 155 | 7.4 | 1,572 | 81.2 | 1,640 | 79.5 | 122 | 5.9 | 723 | 34.7 | 1,486 | 71.3 | 131 | 6.3 |
| Asian Indian | 2,053 | 2.9 | 0 | 0.0 | 6 | 0.3 | 210 | 10.2 | 1,263 | 80.8 | 1,635 | 80.2 | 136 | 6.6 | 767 | 37.4 | 1,960 | 95.5 | 312 | 15.2 |
| Brazilian | 1,958 | 2.8 | 12 | 0.6 | 48 | 2.5 | 137 | 7.0 | 1,332 | 72.7 | 1,397 | 72.5 | 119 | 6.1 | 806 | 41.2 | 1,834 | 93.8 | 113 | 5.8 |
| Other | 1,927 | 2.7 | 7 | 0.4 | 24 | 1.2 | 163 | 8.5 | 1,351 | 82.7 | 1,490 | 80.5 | 136 | 7.1 | 607 | 31.5 | 933 | 48.6 | 119 | 6.2 |
| Chinese | 1,896 | 2.7 | 7 | 7 | 6 | 0.3 | 121 | 6.4 | 1,370 | 84.9 | 1,603 | 85.3 | 101 | 5.3 | 430 | 22.7 | 1,770 | 93.5 | 188 | 9.9 |
| Haitian | 1,537 | 2.2 | 6 | 0.4 | 22 | 1.4 | 148 | 9.7 | 902 | 63.7 | 947 | 62.8 | 110 | 7.2 | 541 | 35.2 | 1,382 | 90.4 | 100 | 6.5 |
| Cape Verdean | 1,460 | 2.1 | 22 | 1.5 | 83 | 5.7 | 139 | 9.5 | 1,009 | 70.8 | 981 | 68.1 | 105 | 7.2 | 433 | 29.7 | 1,237 | 85.0 | 91 | 6.2 |
| Salvadoran | 1,293 | 1.8 | 23 | 1.8 | 80 | 6.2 | 91 | 7.0 | 873 | 69.1 | 852 | 66.3 | 78 | 6.0 | 282 | 21.8 | 1,129 | 87.4 | 76 | 5.9 |
| Middle Eastern | 1,128 | 1.6 | 7 | 7 | 5 | 0.4 | 84 | 7.5 | 735 | 73.7 | 808 | 72.1 | 63 | 5.6 | 345 | 30.6 | 1,028 | 91.5 | 85 | 7.5 |
| Guatemalan | 1,106 | 1.6 | 30 | 2.7 | 88 | 8.0 | 74 | 6.7 | 748 | 70.7 | 694 | 63.9 | 78 | 7.1 | 268 | 24.2 | 891 | 80.6 | 86 | 7.8 |
| Russian | 694 | 1.0 | 7 | 7 | 9 | 1.3 | 29 | 4.2 | 449 | 79.8 | 541 | 78.5 | 33 | 4.8 | 170 | 24.5 | 659 | 95.1 | 38 | 5.5 |
| Vietnamese | 647 | 0.9 | 0 | 0.0 | 6 | 0.9 | 43 | 6.7 | 442 | 78.8 | 474 | 74.9 | 46 | 7.1 | 165 | 25.5 | 563 | 87.0 | 76 | 11.7 |
| Cambodian | 599 | 8.0 | 7 | 7 | 13 | 2.2 | 45 | 7.5 | 426 | 77.9 | 437 | 74.1 | 46 | 7.7 | 143 | 23.9 | 432 | 72.1 | 49 | 8.2 |
| West Indian Caribbean | 546 | 0.8 | 7 | 7 | 20 | 3.7 | 66 | 12.1 | 361 | 73.4 | 386 | 72.4 | 41 | 7.5 | 199 | 36.4 | 499 | 91.6 | 44 | 8.1 |
| Other South American | 545 | 0.8 | 6 | 1.1 | 20 | 3.7 | 22 | 4.1 | 382 | 79.1 | 404 | 75.8 | 52 | 9.5 | 152 | 27.9 | 517 | 94.9 | 26 | 4.8 |
| Mexican | 523 | 0.7 | 7 | 1.3 | 26 | 5.0 | 36 | 6.9 | 358 | 76.0 | 362 | 70.3 | 43 | 8.2 | 138 | 26.4 | 465 | 88.9 | 41 | 7.8 |
| Honduran | 428 | 0.6 | 10 | 2.3 | 36 | 8.4 | 37 | 8.7 | 289 | 69.1 | 282 | 66.4 | 27 | 6.3 | 100 | 23.4 | 364 | 85.4 | 30 | 7.0 |
| Native American | 405 | 0.6 | 6 | 1.5 | 23 | 5.7 | 33 | 8.2 | 274 | 77.2 | 290 | 72.7 | 28 | 6.9 | 134 | 33.1 | 321 | 79.3 | 25 | 6.2 |
| Colombian | 389 | 0.6 | 7 | 7 | 10 | 2.6 | 24 | 6.2 | 266 | 75.4 | 298 | 77.4 | 36 | 9.3 | 122 | 31.4 | 351 | 90.5 | 20 | 5.1 |
| Korean | 352 | 0.5 | 0 | 0.0 | 7 | 7 | 29 | 8.2 | 262 | 86.8 | 291 | 83.1 | 28 | 8.0 | 105 | 29.8 | 332 | 94.6 | 36 | 10.2 |

NOTE: All percentages are calculated based on only those births with known values for the characteristic(s) of interest, unless otherwise stated. Since 2009, certain ancestry groups were combined: Lebanese, Iranian, Israeli, and Other Middle Eastern ancestries were combined into "Middle Eastern"; and Nigerian and Other African were combined into "African." 1. In the column "Births," percentages are based on column total (state total of births, including births for which maternal ethnicity is unknown and other). For all other categories, percentages are based on row totals. 2. Low birthweight: less than 2,500 grams or 5.5 pounds. 3. Based on Adequacy of Prenatal Care Utilization (APNCU) Index. Does not include data from Newton Wellesley, Saint Vincent and Winchester hospitals because of reporting problems. 4. Late preterm: 34-36 weeks gestation. 5. Infant was being breastfed during the hospital stay. 6. Gestational diabetes is defined as glucose intolerance found during pregnancy for the first time. It excludes cases with pre-existing diabetes. 7. Calculations based on 1-4 events are excluded.



Table 4. Trends in Number and Percent Distribution of Births by Plurality and Maternal Age, Massachusetts: 2003-2017

| | | Singlete | ons | | | Multiple | es ¹ | | | Total bi | rths ² |
|---------|--------------|------------------|--------------|----------------|------------|------------|-----------------|----------------|--------------------|------------------|-------------------|
| Age | | | | <u>Twir</u> | ns T | riplets or | more | Total Mult | <u>iples</u> | | |
| Group | Year | n | % | n | % | n | % | n | % | n | % |
| All Age | <u>s</u> | | | | | | | | | | |
| | 2003 | 76,367 | 95.3 | 3,551 | 4.4 | 249 | 0.3 | 3,800 | 4.7 | 80,167 | 100.0 |
| | 2004 | 74,677 | 95.2 | 3,538 | 4.5 | 245 | 0.3 | 3,783 | 4.8 | 78,460 | 100.0 |
| | 2005 | 73,258 | 95.4 | 3,375 | 4.4 | 190 | 0.2 | 3,565 | 4.6 | 76,824 | 100.0 |
| | 2006 | 74,146 | 95.5 | 3,375 | 4.3 | 149 | 0.2 | 3,524 | 4.5 | 77,670 | 100.0 |
| | 2007 2008 | 74,498 73,475 | 95.6 95.5 | 3,310 3,365 | 4.2 4.4 | 126 129 | 0.2 0.2 | 3,436 3,494 | 4.4 4.5 | 77,934 76,969 | 100.0 100.0 |
| | 2009 | 71,423 | 95.3 95.3 | 3,386 | 4.5 | 157 | 0.2 | 3,543 | 4.7 | 74,966 | 100.0 |
| | 2010 | 69,508 | 95.4 | 3,220 | 4.4 | 107 | 0.1 | 3,327 | 4.6 | 72,835 | 100.0 |
| | 2011 | 69,933 | 95.6 | 3,135 | 4.3 | 100 | 0.1 | 3,235 | 4.4 | 73,169 | 100.0 |
| | 2012 | 69,272 | 95.6 | 3,093 | 4.3 | 90 | 0.1 | 3,183 | 4.4 | 72,457 | 100.0 |
| | 2013 | 68,363 | 95.5 | 3,164 | 4.4 | 91 | 0.1 | 3,255 | 4.5 | 71,618 | 100.0 |
| | 2014 | 68,800 | 95.7 | 2,984 | 4.2 | 83 57 | 0.1 | 3,067 | 4.3 | 71,867 | 100.0 |
| | 2015 2016 | 68,756 68,660 | 96.2 96.3 | 2,671 2,569 | 3.7 3.6 | 57 90 | 0.1 0.1 | 2,728 2,659 | 3.8 3.7 | 71,484 71,319 | 100.0 100.0 |
| | 2017 | 68,134 | 96.4 | 2,523 | 3.6 | 47 | 0.1 | 2,570 | 3.6 | 70,704 | 100.0 |
| Ages < | | | | | | | | | | | |
| | 2003 | 59,347 | 95.9 | 2,389 | 3.9 | 118 | 0.2 | 2,507 | 4.1 | 61,854 | 100.0 |
| | 2004 | 57,618 | 96.0 | 2,229 | 3.7 | 142 | 0.2 | 2,371 | 4.0 | 59,989 | 100.0 |
| | 2005 | 56,380 | 96.3 | 2,086 | 3.6 | 102 | 0.2 | 2,188 | 3.7 | 58,569 | 100.0 |
| | 2006 | 57,237 | 96.3 | 2,116 | 3.6 | 89 | 0.1 | 2,205 | 3.7 | 59,442 | 100.0 |
| | 2007 2008 | 57,977 57,090 | 96.3 96.3 | 2,144 | 3.6 3.6 | 87 78 | 0.1 0.1 | 2,231 | 3.7 3.7 | 60,208 | 100.0 100.0 |
| | 2009 | 57,080 55,906 | 96.3 96.1 | 2,111 2,202 | 3.8 | 80 | 0.1 | 2,189 2,282 | 3. <i>1</i> 3.9 | 59,269 58,188 | 100.0 |
| | 2010 | 54,369 | 96.3 | 2,202 | 3.6 | 58 | 0.1 | 2,076 | 3.7 | 56,445 | 100.0 |
| | 2011 | 54,837 | 96.4 | 2,014 | 3.5 | 59 | 0.1 | 2,073 | 3.6 | 56,910 | 100.0 |
| | 2012 | 54,069 | 96.4 | 1,961 | 3.5 | 57 | 0.1 | 2,018 | 3.6 | 56,089 | 100.0 |
| | 2013 | 52,995 | 96.2 | 2,025 | 3.7 | 54 | 0.1 | 2,079 | 3.8 | 55,074 | 100.0 |
| | 2014 | 53,166 | 96.5 | 1,890 | 3.4 | 50 | 0.1 | 1,940 | 3.5 | 55,106 | 100.0 |
| | 2015 2016 | 52,640 52,043 | 96.9 96.9 | 1,665 1,601 | 3.1 3.0 | 45 47 | 0.1 0.1 | 1,710 1,648 | 3.1 3.1 | 54,350 53,691 | 100.0 100.0 |
| | 2017 | 51,258 | 96.8 | 1,653 | 3.1 | 18 | 0.0 | 1,671 | 3.2 | 52,929 | 100.0 |
| Ages 3 | | 01,200 | 00.0 | 1,000 | <u> </u> | | 0.0 | 1,011 | 0.2 | 02,020 | 100.0 |
| | 2003 | 17,015 | 92.9 | 1,162 | 6.3 | 131 | 0.7 | 1,293 | 7.1 | 18,308 | 100.0 |
| | 2004 | 17,055 | 92.4 | 1,309 | 7.1 | 103 | 0.6 | 1,412 | 7.6 | 18,467 | 100.0 |
| | 2005 | 16,874 | 92.5 | 1,289 | 7.1 | 88 | 0.5 | 1,377 | 7.5 | 18,251 | 100.0 |
| | 2006 2007 | 16,901 16,519 | 92.8 93.2 | 1,257 1,166 | 6.9 6.6 | 60 39 | 0.3 0.2 | 1,317 1,205 | 7.2 6.8 | 18,218 17,724 | 100.0 100.0 |
| | 2007 | 16,319 | 92.6 | 1,100 | 7.1 | 51 | 0.2 | 1,205 | 7.4 | 17,724 | 100.0 |
| | 2009 | 15,513 | 92.5 | 1,184 | 7.1 | 77 | 0.5 | 1,261 | 7.5 | 16,774 | 100.0 |
| | 2010 | 15,136 | 92.4 | 1,200 | 7.3 | 49 | 0.3 | 1,249 | 7.6 | 16,385 | 100.0 |
| | 2011 | 15,092 | 92.8 | 1,121 | 6.9 | 41 | 0.3 | 1,162 | 7.1 | 16,255 | 100.0 |
| | 2012 | 15,202 | 92.9 | 1,132 | 6.9 | 33 | 0.2 | 1,165 | 7.1 | 16,367 | 100.0 |
| | 2013 | 15,367 | 92.9 | 1,139 | 6.9 | 37 | 0.2 | 1,176 | 7.1 6.7 | 16,543 | 100.0 |
| | 2014 2015 | 15,634 16,115 | 93.3 94.1 | 1,094 1,005 | 6.5 5.9 | 33 12 | 0.2 0.1 | 1,127 1,017 | 6.7 5.9 | 16,761 17,132 | 100.0 100.0 |
| | 2016 | 16,617 | 94.1 | 968 | 5.5 | 43 | 0.1 | 1,017 | 5.7 | 17,132 | 100.0 |
| | 2017 | 16,875 | 94.9 | 870 | 4.9 | 29 | 0.2 | 899 | 5.1 | 17,774 | 100.0 |

^{1.} Numbers of multiples (n) represent individual infants rather than sets of infants. 2. Differences in the number of births from previous publications are the result of updated files.

| | Ages 1 | 5-17 | Ages 18 | 3-19 | Combined Ag | jes 15-19 |
|--|--------|------------------|--------------|--------|-------------|------------------|
| | N | % ^{1,2} | N | %1,2 | N | % ^{1,2} |
| State Total | 444 | 25.2% | 1,321 | 74.8% | 1,765 | 100.0% |
| White Non-Hispanic | 99 | 22.7% | 409 | 31.6% | 508 | 29.3% |
| Black Non-Hispanic | 64 | 14.6% | 159 | 12.3% | 223 | 12.9% |
| Asian Non-Hispanic | 10 | 2.3% | 20 | 1.5% | 30 | 1.7% |
| Hispanic | 258 | 59.0% | 688 | 53.2% | 946 | 54.7% |
| Other Non-Hispanic | 6 | 1.4% | 18 | 1.4% | 24 | 1.4% |
| Birthplace | | | | | | |
| US States / D.C. | 291 | 65.5% | 897 | 67.9% | 1,188 | 67.3% |
| Puerto Rico / US Terr. | 42 | 9.5% | 119 | 9.0% | 161 | 9.1% |
| Non-US-born | 111 | 25.0% | 305 | 23.1% | 416 | 23.6% |
| Prenatal Care Funding | | | | | | |
| Public | 373 | 85.4% | 1,063 | 81.5% | 1,436 | 82.4% |
| Private, other | 64 | 14.6% | 242 | 18.5% | 306 | 17.6% |
| Adequacy of Prenatal Care ³ | | Pregnancy-Rela | nted Factors | | | |
| Adequate Total⁴ | 247 | 55.6% | 866 | 65.6% | 1,113 | 63.1% |
| Adequate Intensive | 131 | 29.5% | 438 | 33.2% | 569 | 32.2% |
| Adequate Basic | 116 | 26.1% | 428 | 32.4% | 544 | 30.8% |
| Intermediate | 46 | 10.4% | 137 | 10.4% | 183 | 10.49 |
| Inadequate/None | 146 | 32.9% | 279 | 21.1% | 425 | 24.19 |
| Unknown | 5 | 1.1% | 39 | 3.0% | 44 | 2.5% |
| Parity⁵ | | | | | | |
| 1 | 419 | 94.4% | 1,141 | 86.4% | 1,560 | 88.4% |
| 2 | 24 | 5.4% | 152 | 11.5% | 176 | 10.0% |
| 3+ | 6 | 6 | 27 | 2.0% | 28 | 1.6% |
| Smoking during Pregnancy | | | | | | |
| Yes | 13 | 3.0% | 96 | 7.6% | 109 | 6.4% |
| No | 421 | 97.0% | 1,165 | 92.4% | 1,586 | 93.6% |
| Birthweight | | Birth Outco | mes | | | |
| < 500 g | 0 | 0.0% | 6 | 6 | 6 | |
| 500-1,499 g | 9 | 2.0% | 20 | 1.5% | 29 | 1.6% |
| 1,500-2,499 g | 41 | 9.2% | 102 | 7.7% | 143 | 8.1% |
| LBW (<2,499 g) | 50 | 11.3% | 123 | 9.3% | 173 | 9.8% |
| 2,500-3,999 g | 372 | 83.8% | 1,118 | 84.8% | 1,490 | 84.6% |
| 4000+ g | 22 | 5.0% | 77 | 5.8% | 99 | 5.6% |
| Gestational Age | | 91911 | | 9.9 | | |
| < 28 weeks | 5 | 1.1% | 8 | 0.6% | 13 | 0.7% |
| Preterm (< 37 weeks) | 41 | 9.3% | 120 | 9.1% | 161 | 9.1% |
| 37-42 weeks | 402 | 90.7% | 1,200 | 90.9% | 1,602 | 90.9% |
| Plurality | 702 | 30.1 /0 | 1,200 | 50.570 | 1,002 | 30.370 |
| Singleton | 436 | 98.2% | 1,305 | 98.8% | 1,741 | 98.6% |
| Multiple birth | 8 | 1.8% | 1,303 | 1.2% | 24 | 1.4% |

NOTE: All percentages are calculated based on only those births with known values for the characteristic(s) of interest, unless otherwise stated.

^{1.} For state total row, percentages are based on total births to females ages 15-19. For the rest of the table, percentages are based on births for a given age group and characteristic. 2. Percentages are based on state total of the age group. 3. Based on Adequacy of Prenatal Care Utilization (APNCU) Index. Does not include data from Newton Wellesley, Saint Vincent, and Winchester hospitals because of reporting problems. 4. Adequate Total = Adequate Basic + Adequate Intensive. 5. Number of live births including the current birth. 6. Calculations based on 1-4 events are excluded.

Table 6. Number and Teen Birth Rates by Race/Hispanic Ethnicity for Selected Communities, Massachusetts: 2017

| Municipality ¹ | To | een Births | Whit | te Non-Hispanic | Blac | k Non-Hispanic | | Hispanic |
|---------------------------|-------|-----------------------------|----------------------|-----------------------------|------|-----------------------------|-----|-----------------------------|
| | N | Rate (95%CI) ^{2,3} | N | Rate (95%CI) ^{2,3} | N | Rate (95%CI) ^{2,3} | N | Rate (95%CI) ^{2,3} |
| State Total | 1,827 | 8.1 (7.7, 8.4) | 543 | 3.5 (3.2, 3.8) | 229 | 11.4 (10, 12.9) | 964 | 27.8 (26.1, 29.6) |
| Chelsea | 44 | 36.8 (25.8, 49.6) | 4 | 4 | 4 | 4 | 41 | 46.4 (34, 60.6) |
| Lawrence | 117 | 34.5 (28.2, 40.7) | 4 | 4 | 4 | 4 | 113 | 39.5 (32.2, 46.8) |
| New Bedford | 92 | 30.3 (20.5, 42) | 26 | 12.8 (6.8, 20.7) | 14 | 57.6 (43.7, 73.4) | 49 | 68.1 (52.9, 85.1) |
| Springfield | 195 | 28.5 (24.5, 32.5) | 14 | 7.3 (3, 13.5) | 27 | 17.9 (10.6, 27.1) | 148 | 46.1 (38.7, 53.6) |
| Lynn | 91 | 28.2 (18.8, 39.6) | 15 | 13.3 (7.1, 21.3) | 4 | 4 | 65 | 48.5 (35.9, 63.1) |
| Holyoke | 40 | 26.5 (17.4, 37.6) | 4 | _ _4 | 4 | _ _4 | 33 | 31.2 (21.2, 43.1) |
| Southbridge | 14 | 24.5 (15.8, 35.1) | 5 | 15.2 (8.6, 23.8) | 4 | 4 | 9 | 41.1 (29.5, 54.6) |
| Fall River | 67 | 24.1 (15.5, 34.6) | 31 | 14.1 (7.7, 22.4) | 9 | 58.1 (44.1, 73.9) | 22 | 71.7 (56, 89.2) |
| Fitchburg | 35 | 19.7 (12, 29.3) | 4 | 4 | 4 | 4 | 28 | 60 (45.7, 76.1) |
| Brockton | 60 | 17.9 (10.6, 27.1) | 8 | 5.8 (2.1, 11.4) | 29 | 19.7 (12, 29.4) | 22 | 53.9 (40.5, 69.2) |
| Chicopee | 31 | 16.5 (9.5, 25.3) | 9 | 6.8 (2.7, 12.8) | 4 | 4 | 18 | 41.1 (29.5, 54.6) |
| Lowell | 65 | 15.8 (9, 24.5) | 20 | 10.5 (5.2, 17.8) | 7 | 24.4 (15.7, 35) | 29 | 29.4 (19.7, 40.9) |
| Pittsfield | 21 | 15.7 (8.9, 24.3) | 12 | 10.8 (5.4, 18.1) | 7 | 77.8 (61.5, 96) | 4 | ⁴ |
| Haverhill | 28 | 15.6 (8.9, 24.3) | 11 | 8.3 (3.7, 14.9) | 4 | 4 | 16 | 41.3 (29.7, 54.9) |
| Worcester | 110 | 14.2 (11.6, 16.9) | 32 | 7.1 (2.9, 13.3) | 9 | 11.7 (6, 19.3) | 66 | 33.3 (22.9, 45.5) |
| Everett | 18 | 13.7 (7.4, 21.8) | 5 | 7.5 (3.1, 13.7) | 4 | 4 | 11 | 33.6 (23.2, 45.9) |
| Marlborough | 13 | 12.6 (6.7, 20.5) | 6 | 7.6 (3.2, 13.9) | 4 | 4 | 5 | 27.3 (18.1, 38.5) |
| Revere | 17 | 11.9 (6.1, 19.5) | ⁴ | 4 | 4 | 4 | 11 | 21 (13, 30.9) |
| Barnstable | 14 | 11 (5.5, 18.3) | ⁴ | 4 | 7 | 98.6 (80.1, 119) | 4 | 4 |
| Taunton | 18 | 10.3 (5, 17.5) | 12 | 8.1 (3.5, 14.5) | 4 | 4 | 4 | 4 |
| Methuen | 14 | 8.6 (3.9, 15.3) | 4 | 4 | 4 | 4 | 13 | 29.1 (19.5, 40.6) |
| Framingham | 19 | 8.1 (3.5, 14.5) | 4 | 4 | 4 | 4 | 13 | 30.4 (20.6, 42.2) |
| Boston | 202 | 7.8 (6.7, 8.8) | 10 | 0.9 (0, 3.4) | 72 | 11 (5.5, 18.4) | 115 | 22.1 (18.1, 26.2) |
| Quincy | 15 | 7.6 (3.2, 13.8) | 5 | 4.1 (1.1, 8.9) | 4 | 4 | 4 | 4 |
| Waltham | 14 | 5.9 (2.2, 11.6) | 1 | 4 | 4 | 4 | 10 | 31.9 (21.8, 43.9) |

NOTE: The total number of Asian Non-Hispanic teen births in MA in 2017 was 31 for a rate of 1.7/1,000 significantly lower than the state rate of 8.1. Lowell had the largest number of Asian Non-Hispanic teen births at 8 births. The Asian Non-Hispanic teen birth rate in this community was slightly higher than the state.

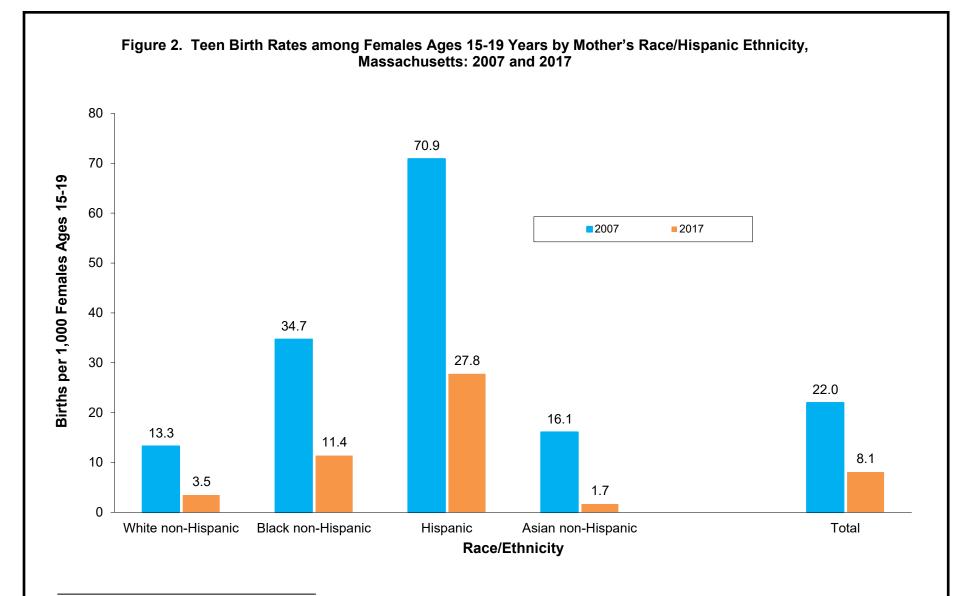
^{1.} Selected communities include the 25 Massachusetts cities and towns with the greatest number of teen births. 2. Rates are per 1,000 females ages 15-19 per city/town. 3. Birth rates for cities and towns were calculated using the Massachusetts Department of Public Health Race Allocated Census 2010 Estimates file (MRACE 2010), which is the most up-to-date information available on the number of persons by age, race, and sex at the sub-state level. If the population in your community increased from 2010 to 2017, the rates listed may overestimate the actual rate. If the population in your community declined from 2010 to 2017, the rates given in the publication may underestimate the actual rate. 4. Counts and rates based on counts of 1-4 births are excluded.

Table 7. Trends in Teen Birth Rates for Selected Communities, Ranked by 2017 Teen Birth Rate, Massachusetts: 2007. 2016-2017

| 0047 | | 20 | 07 | 201 | 16 | 2017 | | |
|--------------|---------------------------|--------------------------|---------------------------------|--------------------------|-----------------------------------|--------------------------|-----------------------------------|--|
| 2017 Rank | Municipality ¹ | Number of Teen Births | Teen Birth Rate ² | Number of Teen Births | Teen Birth Rate ^{2,3} | Number of Teen Births | Teen Birth Rate ^{2,3} | |
| | State Total | 4,944 | 22.0 | 1,931 | 8.5 | 1,827 | 8.1 | |
| 1 | Chelsea | 82 | 82.0 | 39 | 32.6 | 44 | 36.8 | |
| 2 | Lawrence | 230 | 76.0 | 117 | 34.5 | 117 | 34.5 | |
| 3 | New Bedford | 197 | 66.7 | 96 | 31.6 | 92 | 30.3 | |
| 4 5 | Springfield | 512 | 84.3 | 172 | 25.2 | 195 | 28.5 | |
| 5 | Lynn | 175 | 56.7 | 94 | 29.2 | 91 | 28.2 | |
| 6 | Holyoke | 144 | 95.4 | 48 | 31.9 | 40 | 26.5 | |
| 7 | Southbridge | 43 | 77.1 | 17 | 29.8 | 14 | 24.5 | |
| 8 | Fall River | 167 | 59.0 | 70 | 25.2 | 67 | 24.1 | |
| 9 | Fitchburg | 71 | 45.4 | 42 | 23.6 | 35 | 19.7 | |
| 10 | Brockton | 171 | 47.0 | 82 | 24.4 | 60 | 17.9 | |
| 11 | Chicopee | 76 | 43.7 | 26 | 13.8 | 31 | 16.5 | |
| 12 | Lowell | 244 | 80.6 | 54 | 13.1 | 65 | 15.8 | |
| 13 | Pittsfield | 215 | 54.2 | 23 | 17.2 | 21 | 15.7 | |
| 14 | Haverhill | 67 | 35.1 | 31 | 17.3 | 28 | 15.6 | |
| 15 | Worcester | 251 | 35.7 | 102 | 13.2 | 110 | 14.2 | |
| 16 | Everett | 43 | 40.6 | 25 | 19.0 | 18 | 13.7 | |
| 17 | Marlborough ⁴ | 22 | 24.9 | 23 | 22.4 | 13 | 12.6 | |
| 18 | Revere | 48 | 45.6 | 20 | 13.9 | 17 | 11.9 | |
| 19 | Barnstable ⁴ | 26 | 19.3 | 12 | 9.4 | 14 | 11.0 | |
| 20 | Taunton | 55 | 33.7 | 23 | 13.2 | 18 | 10.3 | |
| 21 | Methuen | 39 | 29.4 | 15 | 9.2 | 14 | 8.6 | |
| 22 | Framingham | 40 | 20.5 | 19 | 8.1 | 19 | 8.1 | |
| 23 | Boston | 588 | 29.7 | 198 | 7.6 | 202 | 7.8 | |
| 24 | Quincy | 38 | 18.3 | 12 | 6.0 | 15 | 7.6 | |
| 25 | Waltham ⁴ | 31 | 13.5 | 14 | 5.9 | 14 | 5.9 | |

^{1.} Selected communities include the 25 Massachusetts cities and towns with the greatest number of teen births in 2017. Ranking is by 2017 teen birth rate.

2. Rates are per 1,000 females ages 15-19 per city/town. 3. Birth rates for cities and towns were calculated using the Massachusetts Department of Public Health Race Allocated Census 2010 Estimates file (MRACE 2010), which is the most up-to-date information available on the number of persons by age, race, and sex at the sub-state level. If the population in your community increased from 2010 to 2017, the rates listed may overestimate the actual rate. If the population in your community declined from 2010 to 2017, the rates given in the publication may underestimate the actual rate. 4. Birth rates for select cities and towns were calculated using the Massachusetts Department of Public Health Race Allocated Census 2004 Estimates file (MRACE 2004), which is the most up-to-date information available prior to 2010 on the number of persons by age, race, and sex at the sub-state level.



NOTE: Teen birth rate is number of births to females ages 15-19 per 1,000 females ages 15-19. 2007 birth rates are based upon the 2007 population estimates from the National Center for Health Statistics. 2017 birth rates are based upon the postcensal estimates of the resident population of the United States for July 1, 2010-July 1, 2017, by year, county, single-year of age (0, 1, 2, ..., 85 years and over), bridged race, Hispanic origin, and sex (Vintage 2017).

Table 8. Births by Birthweight, Race/Hispanic Ethnicity, Massachusetts: 2017

| Birthweight | Tota | al | White Hispa | | Black Non- Asian Non- Hispanic Hispanic Hispanic | | | Other Non- Hispanic | | Unknown Race/Ethnicity | | | | |
|---------------------------------|------------|----------------|----------------|----------------|---|----------------|-----------|------------------------|--------|---------------------------|--------|----------------|----------|----------------|
| (in grams) | n | % ¹ | n | % ¹ | n | % ¹ | n | % ¹ | n | % ¹ | n | % ¹ | n | % ¹ |
| State Total | 70,704 | 100.0 | 40,989 | 100.0 | 7,251 | 100.0 | 13,516 | 100.0 | 6,338 | 100.0 | 684 | 100.0 | 1,926 | 100.0 |
| <500 | 73 | 0.1 | 22 | 0.1 | 19 | 0.3 | 23 | 0.2 | 2 | 2 | 2 | 2 | 5 | 0.3 |
| 500-999 | 257 | 0.4 | 112 | 0.3 | 62 | 0.9 | 64 | 0.5 | 8 | 0.1 | 2 | 2 | 10 | 0.5 |
| 1,000-1,499 | 444 | 0.6 | 199 | 0.5 | 83 | 1.1 | 98 | 0.7 | 28 | 0.4 | 9 | 1.3 | 27 | 1.4 |
| 1,500-1,999 | 1,039 | 1.5 | 525 | 1.3 | 142 | 2.0 | 220 | 1.6 | 100 | 1.6 | 10 | 1.5 | 42 | 2.2 |
| 2,000-2,499 | 3,448 | 4.9 | 1,707 | 4.2 | 462 | 6.4 | 740 | 5.5 | 386 | 6.1 | 37 | 5.4 | 116 | 6.2 |
| 2,500-2,999 | 12,447 | 17.6 | 6,216 | 15.2 | 1,566 | 21.6 | 2,700 | 20.0 | 1,492 | 23.6 | 134 | 19.6 | 339 | 18.1 |
| 3,000-3,499 | 26,667 | 37.8 | 15,042 | 36.8 | 2,674 | 36.9 | 5,390 | 39.9 | 2,608 | 41.2 | 260 | 38.1 | 693 | 37.1 |
| 3,500-3,999 | 19,722 | 27.9 | 12,554 | 30.7 | 1,707 | 23.6 | 3,392 | 25.1 | 1,415 | 22.3 | 187 | 27.4 | 467 | 25.0 |
| 4,000-4,499 | 5,603 | 7.9 | 3,963 | 9.7 | 431 | 6.0 | 759 | 5.6 | 261 | 4.1 | 37 | 5.4 | 152 | 8.1 |
| 4,500-4,999 | 794 | 1.1 | 556 | 1.4 | 77 | 1.1 | 106 | 0.8 | 31 | 0.5 | 8 | 1.2 | 16 | 0.9 |
| >=5,000 Unknown | 74 | 0.1 | 47 | 0.1 | 15 | 0.2 | 8 | 0.1 | 2 2 | ² | 2 2 | ² | 2 | 2 |
| birthweight VLBW³ (0-1,499 g) | 136 774 | 1.1 | 46 333 | 0.1 | 13 164 | 2.3 | 16 185 | 1.4 | 40 | 0.6 | 10 | 1.5 | 56 42 | 2.9 |
| LBW ⁴ (0-2,499 g) | 5,261 | 7.5 | 2,565 | 6.3 | 768 | 10.6 | 1,145 | 8.5 | 526 | 8.3 | 57 | 8.3 | 200 | 10.7 |

NOTE: Percentages for detailed birthweight rows ("<500" through "Unknown birthweight") are calculated based on births including those with unknown birthweight. Percentages for VLBW and LBW rows are calculated based on births with known birthweight only.

^{1.} Percentages are based on column totals. 2. Calculations based on values of 1-4 are excluded. 3. Very Low Birthweight (VLBW): less than 1,500 grams (3.3 lbs.). 4. Low Birthweight (LBW): less than 2,500 grams (5.5 lbs.).

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Table 9. Low Birthweight by Plurality and Maternal Age, Massachusetts: 2007-2017

| Maternal | Year | | Sing | leton | | | | | | 1 | Multi | | | 1 | | | | Total Births | | | |
|--------------|--------------|------------|----------------|------------|------------|----------|----------------|------------|--------------|--------|--------------|----------|--------------|----------|------------|------------|--------------|--------------|------------|----------------|------------|
| Age Group | | | | | | | | win | | | | or mo | | | | Multiples | | | | | l |
| (years) | | VLB | W ¹ | LBW | | VLB | W ¹ | LBW | | VLB | | LB | | VLE | | LBV | | VLB | | LBV | |
| | | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % |
| All Ages | 2007 | 693 | 0.9 | 4,258 | 5.7 | 306 | 9.2 | 1,772 | 53.6 | 54 | 42.9 | 117 | 92.9 | 360 | 10.5 | 1,889 | 55.0 | 1,053 | 1.4 | 6,147 | 7.9 |
| Č | 2008 | 627 | 0.9 | 4,039 | 5.5 | 324 | 9.7 | 1,803 | 53.8 | 55 | 42.6 | 113 | 87.6 | 379 | 10.9 | 1,916 | 55.1 | 1,006 | 1.3 | 5,955 | 7.8 |
| | 2009 | 677 | 1.0 | 3,886 | 5.5 | 276 | 8.2 | 1,771 | 52.7 | 61 | 38.9 | 147 | 93.6 | 337 | 9.6 | 1,918 | 54.5 | 1,014 | 1.4 | 5,804 | 7.8 |
| | 2010 | 643 | 0.9 | 3,882 | 5.6 | 288 | 8.9 | 1,668 | 51.8 | 30 | 28.8 | 100 | 96.2 | 318 | 9.6 | 1,768 | 53.2 | 961 | 1.3 | 5,650 | 7.8 |
| | 2011 | 629 | 0.9 | 3,824 | 5.6 | 286 | 9.2 | 1,541 | 49.8 | 41 | 41.0 | 93 | 93.0 | 327 | 10.2 | 1,634 | 51.2 | 956 | 1.3 | 5,458 | 7.6 |
| | 2012 | 585 | 8.0 | 3,810 | 5.5 | 252 | 8.2 | 1,592 | 51.6 | 41 | 45.6 | 89 | 98.9 | 300 | 7.5 | 1,731 | 43.5 | 878 | 1.2 | 5,491 | 7.6 |
| | 2013 | 596 | 0.9 | 3,727 | 5.5 | 318 | 10.1 | 1,686 | 53.5 | 23 | 25.8 | 82 | 92.1 | 351 | 8.6 | 1,825 | 45.0 | 937 | 1.3 | 5,495 | |
| | 2014 | 605 | 0.9 | 3,690 | 5.4 | 270 | 9.1 | 1,624 | 54.5 | 19 | 22.9 | 80 | 96.4 | 297 | 7.6 | 1,763 | 45.2 | 894 | 1.2 | 5,394 | |
| | 2015 | 627 | 0.9 | 3,849 | 5.6 | 219 | 8.2 | 1,419 | 53.4 | 19 | 34.5 | 53 | 96.4 | 241 | 6.8 | 1,528 | 43.2 | 865 | 1.2 | 5,321 | 7.5 |
| | 2016 | 596 | 0.9 | 3,904 | 5.7 | 208 | 8.1 | 1,351 | 52.7 | 38 | 42.2 | 86 | 95.6 | 258 | 6.8 | 1,514 | 39.7 | 842 | 1.2 | 5,341 | 7.5 |
| | 2017 | 575 | 0.8 | 3,878 | 5.7 | 183 | 7.3 | 1,342 | 53.4 | 16 | 34 | 41 | 87.2 | 206 | 5.9 | 1,443 | 41.2 | 774 | 1.1 | 5,261 | 7.5 |
| Ages < 35 | 2007 | 533 | 0.9 | 3,317 | 5.7 | 223 | 10.4 | 1,191 | 55.6 | 45 | 51.7 | 85 | 97.7 | 268 | 12.0 | 1,276 | 57.2 | 801 | 1.3 | 4,593 | 7.6 |
| | 2008 | 492 | 0.9 | 3,134 | 5.5 | 218 | 10.4 | 1,181 | 56.2 | 34 | 43.6 | 70 | 89.7 | 252 | 11.6 | 1,251 | 57.4 | 744 | 1.3 | 4,385 | |
| | 2009 | 525 | 0.9 | 3,093 | 5.6 | 174 | 7.9 | 1,187 | 54.2 | 36 | 45.0 | 76 | 95.0 | 210 | 9.2 | 1,263 | 55.6 | 735 | 1.3 | 4,356 | |
| | 2010 | 489 | 0.9 | 3,071 | 5.7 | 206 | 10.2 | 1,059 | 52.5 | 22 | 40.0 | 51 | 92.7 | 228 | 11.0 | 1,110 | 53.5 | 717 | 1.3 | 4,181 | 7.4 |
| | 2011 | 475 | 0.9 | 2,964 | 5.5 | 189 | 9.5 | 1,034 | 52.0 | 31 | 52.5 | 54 | 91.5 | 220 | 10.8 | 1,088 | 53.2 | 695 | 1.2 | 4,052 | 7.2 |
| | 2012 | 437 | 0.8 | 2,964 | 5.5 | 185 | 9.5 | 1,066 | 54.6 | 34 | 59.6 | 57 | 100 | 226 | 8.4 | 1,168 | 43.5 | 656 | 1.2 | 4,087 | 7.3 |
| | 2013 | 433 | 0.8 | 2,852 | 5.4 | 225 | 11.2 | 1,101 | 54.6 | 17 | 32.7 | 48 | 92.3 | 250 | 9.1 | 1,202 | 43.7 | 675 | 1.2 | 4,001 | 7.3 |
| | 2014 | 460 | 0.9 | 2,828 | 5.3 | 186 | 9.8 | 1,076 | 57.0 | 14 | 28.0 | 48 | 96.0 | 207 | 7.9 | 1,173 | 44.7 | 660 | 1.2 | 3,952 | 7.2 |
| | 2015 | 476 | 0.9 | 2,922 | 5.6 | 142 | 8.6 | 902 | 54.5 | 16 | 36.4 | 43 | 97.7 | 160 | 6.7 | 990 | 41.8 | 634 | 1.2 | 3,867 | 7.1 |
| | 2016 | 443 | 0.9 | 2,952 | 5.7 | 145 | 9.1 | 865 | 54.1 | 22 | 46.8 | 47 | 100.0 | 178 | 6.9 | 977 | 37.8 | 610 | 1.1 | 3,864 | |
| | 2017 | 446 | 0.9 | 2,920 | 5.7 | 122 | 7.4 | 924 | 56.1 | 3 | 16.7 | 14 | 77.8 | 132 | 5.4 | 992 | 40.9 | 571 | 1.1 | 3,858 | |
| Ages 35+ | 2007 | 160 | 1.0 | 941 | 5.7 | 83 | 7.1 | 581 | 49.8 | 9 | 23.1 | 32 | 82.1 | 92 | 7.6 | 613 | 50.9 | 252 | 1.4 | 1,554 | 8.8 |
| | 2008 | 135 | 0.8 | 905 | 5.6 | 106 | 8.5 | 622 | 49.8 | 21 | 41.2 | 43 | 84.3 | 127 | 9.8 | 665 | 51.2 | 262 | 1.5 | 1,570 | |
| | 2009 | 152 | 1.0 | 792 | 5.1 | 102 | 8.7 | 584 | 49.9 | 25 | 32.5 | 71 | 92.2 | 127 | 10.2 | 655 | 52.5 | 279 | 1.7 | 1,447 | 8.7 |
| | 2010 | 154 | 1.0 | 810 | 5.4 | 82 | 6.8 | 609 | 50.8 | 8 | 16.3 | 49 | 100 | 90 | 7.2 | 658 | 52.8 | 244 | 1.5 | 1,468 | |
| | 2011 | 154 | 1.0 | 860 | 5.8 | 97 | 8.8 | 507 | 45.9 | 10 | 24.4 | 39 | 95.1 | 107 | 9.3 | 546 | 47.6 | 261 | 1.6 | 1,406 | |
| | 2012 | 148 | 1.0 | 846 | 5.6 | 67 | 5.9 | 526 | 46.5 | 7 | 21.2 | 32 | 97.0 | 74 | 5.7 | 563 | 43.5 | 222 | 1.4 | 1,404 | |
| | 2013 | 163 | 1.1 | 875 | 5.7 | 93 | 8.2 7.7 | 585 | 51.6 | 6 | 16.2 | 34 | 91.9 97.0 | 101 | 7.7 7.1 | 623 | 47.6 | 262 | 1.6 | 1,494 | |
| | 2014 2015 | 145 151 | 0.9 0.9 | 862 927 | 5.5 5.8 | 84 77 | 7.7 7.7 | 548 517 | 50.2 51.7 | 5 3 | 15.2 27.3 | 32 10 | 97.0 | 90 81 | 7.1 7.0 | 590 538 | 46.3 46.3 | 234 231 | 1.4 1.4 | 1,442 1,454 | 8.6 8.5 |
| | 2015 | _ | | - | 5.8 5.7 | 63 | 7.7 6.5 | | - | ŭ | _ | 39 | 90.9 | 81 80 | 7.0 6.5 | | | - | | 1,454 1.477 | |
| | | 153 | 0.9 | 952 | - | | 6.5 7 | 486 419 | 50.3 | 16 | 37.2 | | | 80 74 | | 537 | 43.8 | 232 | 1.3 | , | 8.4 7.9 |
| NOTE: Vamili | 2017 | 129 | 0.8 | 958 | 5.7 | 61 | / | 418 | 48.3 | 13 | 44.8 | 27 | 93.1 | 74 | 6.9 | 451 | 41.8 | 203 | 1.1 | 1,403 | 7.9 |

NOTE: Very Low Birthweight (VLBW) births are a subset of Low Birthweight (LBW) births. All percentages are calculated based on only those births with known values for the characteristic(s) of interest, unless otherwise stated. 1. Very Low Birthweight (VLBW): less than 1,500 grams (3.3 lbs.). 2. Low Birthweight (LBW): less than 2,500 grams (5.5 lbs.).

Table 10. Births by Gestational Age, Race/Hispanic Ethnicity, Massachusetts: 2017

| Gestational Age ¹ | To | otal | White Hisp | - | Black Hisp | - | Hisp | anic | Asian Hisp | - | | r Non- panic³ | Unknown |
|-------------------------------|--------|----------------|---------------|----------------|---------------|-------|--------|----------------|---------------|----------------|-----|------------------|---------|
| (weeks completed) | n | % ² | n | % ² | n | %² | n | % ² | n | % ² | n | % ² | n |
| State Total | 70,704 | 100.0 | 40,989 | 100.0 | 7,251 | 100.0 | 13,516 | 100.0 | 6,338 | 100.0 | 684 | 100.0 | 1,926 |
| <20 | 10 | 0.01 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 0 | 0.0 | 2 |
| 20-23 | 82 | 0.12 | 28 | 0.1 | 27 | 0.4 | 23 | 0.2 | 4 | 4 | 0 | 0.0 | 3 |
| 24-27 | 248 | 0.32 | 117 | 0.3 | 52 | 0.7 | 59 | 0.4 | 10 | 0.2 | 4 | 4 | 7 |
| 28-31 | 546 | 0.71 | 266 | 0.6 | 91 | 1.3 | 119 | 0.9 | 31 | 0.5 | 9 | 1.3 | 30 |
| 32-33 | 706 | 0.91 | 337 | 0.8 | 91 | 1.3 | 171 | 1.3 | 61 | 1.0 | 7 | 1.0 | 39 |
| 34-36 | 4,680 | 5.74 | 2,536 | 6.2 | 550 | 7.6 | 971 | 7.2 | 419 | 6.6 | 52 | 7.6 | 152 |
| 37-38 | 16,368 | 21.30 | 8,821 | 21.5 | 1,847 | 25.5 | 3,491 | 25.8 | 1,625 | 25.6 | 154 | 22.6 | 430 |
| 39 | 23,796 | 19.07 | 13,817 | 33.7 | 2,278 | 31.4 | 4,644 | 34.4 | 2,275 | 35.9 | 240 | 35.2 | 542 |
| 40 | 16,537 | 14.09 | 10,148 | 24.8 | 1,598 | 22.0 | 2,808 | 20.8 | 1,383 | 21.8 | 163 | 23.9 | 437 |
| 41 | 7,324 | 4.93 | 4,682 | 11.4 | 687 | 9.5 | 1,198 | 8.9 | 515 | 8.1 | 52 | 7.6 | 190 |
| 42 | 268 | 0.19 | 193 | 0.5 | 23 | 0.3 | 27 | 0.2 | 13 | 0.2 | 4 | 4 | 11 |
| 43 | 10 | 0.01 | 6 | 0.0 | 4 | 4 | 0 | 0.0 | 4 | 4 | 0 | 0.0 | 0 |
| 44+ | 4 | 4 | 4 | 4 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 |
| Preterm ⁵ (<37) | 6,272 | 8.9 | 3,285 | 8.0 | 812 | 11.2 | 1,347 | 10.0 | 524 | 8.3 | 71 | 10.4 | 233 |
| Very Early ⁶ (<28) | 340 | 0.5 | 146 | 0.4 | 80 | 1.1 | 86 | 0.6 | 13 | 0.2 | 4 | 4 | 12 |
| (28-33) | 1,252 | 1.8 | 603 | 1.5 | 182 | 2.5 | 290 | 2.1 | 92 | 1.5 | 16 | 2.3 | 69 |
| Late (34-36) | 4,680 | 6.6 | 2,536 | 6.2 | 550 | 7.6 | 971 | 7.2 | 419 | 6.6 | 52 | 7.6 | 152 |
| Term (>=37) | 64,304 | 91.1 | 37,668 | 92.0 | 6,436 | 88.8 | 12,168 | 90.0 | 5,812 | 91.7 | 610 | 89.6 | 1,610 |
| Early Term (37-38) | 16,368 | 23.2 | 8,821 | 21.5 | 1,847 | 25.5 | 3,491 | 25.8 | 1,625 | 25.6 | 154 | 22.6 | 430 |
| (39-41) | 47,657 | 67.4 | 28,647 | 70.0 | 4,563 | 63.0 | 8,650 | 64.0 | 4,173 | 65.9 | 455 | 66.8 | 1,169 |
| (>=42) | 279 | 0.4 | 200 | 0.5 | 26 | 0.4 | 27 | 0.2 | 14 | 0.2 | 4 | 4 | 11 |
| Unknown ⁷ | 128 | | 36 | | 4 | | 4 | | 4 | | 4 | | 83 |

NOTE: Percentages are calculated based on births with known gestational age only.

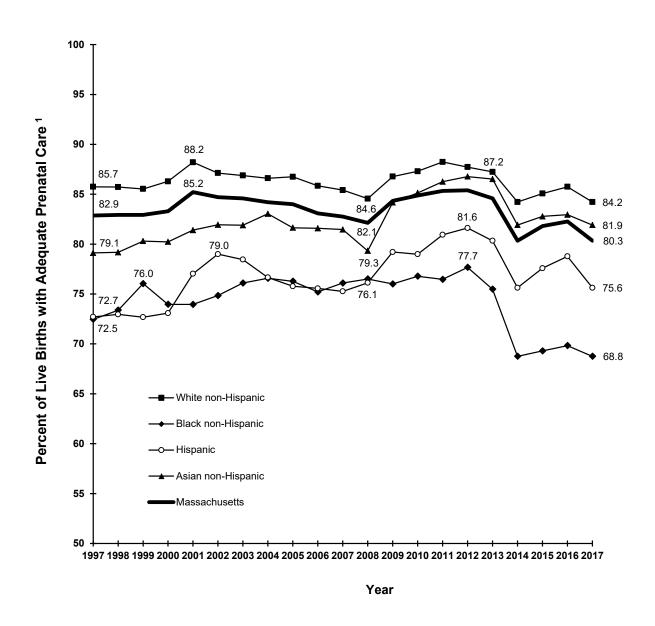
^{1.} A clinical estimate of the number of weeks of pregnancy completed; as estimated by the attendant at birth or the postnatal physician. 2. Percentages are based on column total. 3. Other races include American Indian and others not specified. 4. Calculations based on values of 1-4 are excluded. 5. Also known as early gestational age, premature delivery, or preterm delivery. 6. Also known as extremely premature delivery or extremely preterm delivery. 7. Estimate of gestational age not provided and excluded from percentage calculations.

Table 11. Percent Preterm and Term Births by Gestational Age Category, Massachusetts: 2001-2017

| | | Preterm ¹ | | Te | rm ² |
|------|------------------------------------|-------------------------------------|---------------------------------|---------------------------|------------------------|
| Year | Very Early Preterm (<28 wks) | Moderate Preterm (28- 33 wks) | Late Preterm (34- 36 wks) | Early Term (37-38 wks) | Full Term (37+ wks) |
| 2001 | 0.6 | 1.9 | 5.5 | 18.8 | 92.0 |
| 2002 | 0.6 | 1.9 | 5.9 | 20.0 | 91.5 |
| 2003 | 0.7 | 2.1 | 6.0 | 20.8 | 91.3 |
| 2004 | 0.6 | 2.2 | 6.4 | 22.3 | 90.8 |
| 2005 | 0.6 | 2.1 | 6.3 | 22.3 | 91.0 |
| 2006 | 0.6 | 2.0 | 6.3 | 22.7 | 91.0 |
| 2007 | 0.6 | 2.0 | 6.4 | 22.6 | 91.0 |
| 2008 | 0.6 | 2.0 | 6.2 | 22.6 | 91.2 |
| 2009 | 0.7 | 1.9 | 6.2 | 20.8 | 91.3 |
| 2010 | 0.6 | 2.0 | 6.0 | 21.1 | 91.4 |
| 2011 | 0.6 | 1.9 | 5.9 | 21.8 | 91.6 |
| 2012 | 0.6 | 1.7 | 6.2 | 21.5 | 91.4 |
| 2013 | 0.6 | 1.9 | 6.3 | 21.0 | 91.2 |
| 2014 | 0.6 | 1.9 | 6.1 | 21.7 | 91.4 |
| 2015 | 0.6 | 1.8 | 6.0 | 22.5 | 91.6 |
| 2016 | 0.6 | 1.8 | 6.3 | 22.8 | 91.3 |
| 2017 | 0.5 | 1.8 | 6.6 | 23.2 | 91.1 |

^{1.} Also known as early gestational age, premature delivery, or preterm delivery. Preterm: <37 weeks gestation. 2. Full term and early term are not mutually exclusive.

Figure 3. Trends in Adequacy of Prenatal Care^{2,3} by Race/Hispanic Ethnicity, Massachusetts: 1997-2017



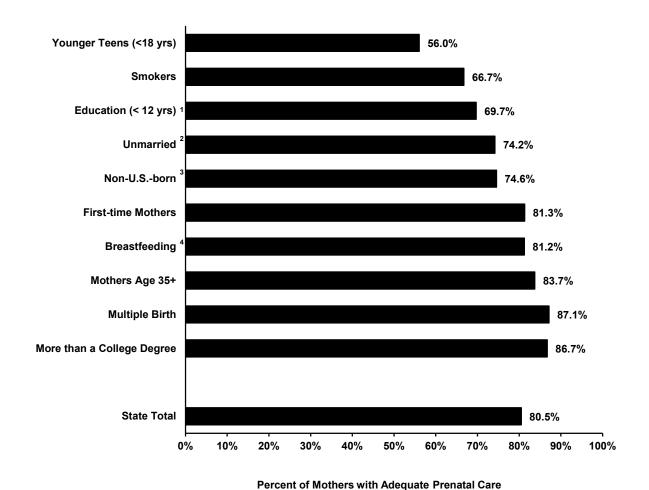
NOTE: FOR PURPOSES OF VISUAL REPRESENTATION THE VERTICAL SCALE OF GRAPH REPRESENTS A SMALL INTERVAL (from 50% to 100%).

^{1.} All percentages are calculated based on only those births with known values for the characteristic(s) of interest, unless otherwise stated.

^{2.} Adequacy of Prenatal Care Utilization (APNCU) Index is an assessment of the timing and number of prenatal care visits and not an evaluation of the quality of care delivered. Years 2011 and 2012 do not include data from Metro West, Newton Wellesley, Saint Vincent and Winchester hospitals because of reporting problems. Years 2013 - 2017 do not include data from Newton Wellesley, Saint Vincent and Winchester hospitals because of reporting problems.

^{3.} Please use caution in interpreting this figure. The birth facility is responsible for collecting prenatal care data reported on the birth certificate. If prenatal care was obtained at a different location, the birth facility may be unable to obtain complete prenatal care data. Missing prenatal care data will impact the APNCU Index.

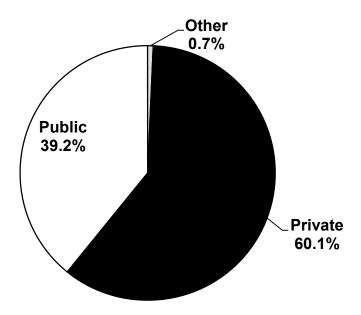
Figure 4. Adequacy of Prenatal Care by Selected Maternal Characteristics, Massachusetts: 2017



NOTE: All percentages are calculated based on the Adequacy of Prenatal Care Utilization (APNCU) Index. Does not include data from Newton Wellesley, Saint Vincent and Winchester hospitals because of reporting problems. Characteristics of interest are not mutually exclusive, except as noted.

^{1.} Women 20 years of age and older. 2. Marital status at time of birth. 3. Non-US-born includes women born outside of the 50 U.S. states, District of Columbia, and U.S. territories (Puerto Rico, U.S. Virgin Islands, Guam). 4. Infant was being breastfed during the hospital stay.





NOTE: Sources of Prenatal Care Payment include private: Commercial indemnity plan, commercial managed care (HMO, PPO, IPP, IPA, and other), or other private insurance; public: Government programs including CommonHealth, Healthy Start, Medicaid/MassHealth, and Medicare (may also be HMO or managed care), or free care; and other: self-pay.

Table 12. Resident Birth Characteristics, 30 Largest Municipalities, Massachusetts: 2017 Mother's Race/Ethnicity **Birthweight** Gestational Crude White Black Hispanic Asian Very Low Diabetes (<2500 g) **Birth** Non-Nonor Low Municipality¹ Rank² Population Rate³ Hispanic Hispanic Other⁵ (<1500 g) %4 %4 %⁴ %4 % % % STATE TOTAL 6,859,819 10.3 10.8 58.0 19.1 9.9 1.1 7.5 6.5 2.4 Arlington 30 42839 11.7 64.1 4.6 25.3 1.0 6.6 4.4 Attleboro 29 43585 11.8 75.0 5.2 10.1 8.0 1.2 9.9 6.2 Barnstable 27 9.0 64.4 14.0 15.0 5.9 1.0 7.9 1.0 45185 **Boston** 1 617594 12.5 36.7 23.7 24.9 9.8 1.3 8.7 4.6 **Brockton** 7 93802 15.7 19.8 61.3 13.6 3.5 2.0 9.2 6.2 **Brookline** 18 58730 10.1 59.3 3.7 6.1 25.1 0.2 6.1 4.4 Cambridge 5 105157 10.2 53.1 10.2 8.1 23.6 1.1 6.0 5.0 Chicopee 22 55295 10.5 6.6 33.7 1.7 2.1 9.2 9.5 57.3 Fall River 10 88844 12.5 62.8 9.9 19.4 7.9 0.7 9.0 8.7 Framingham 14 68314 13.8 41.3 8.9 28.7 14.4 0.7 7.8 9.7 15 Haverhill 60876 12.5 58.0 5.3 32.5 3.4 0.9 8.9 4.8 12 2.3 5.7 Lawrence 76368 19.0 6.6 89.0 1.7 1.7 8.9 Lowell 4 14.1 12.0 26.8 28.6 0.9 8.5 8.4 106517 31.8 9 9.4 90328 17.6 20.8 11.5 53.2 1.6 7.9 5.1 Lynn 9.2 Malden 17 59447 13.9 33.2 19.6 14.0 27.7 1.7 5.8 Medford 20 56171 11.9 61.9 10.2 8.7 15.8 8.0 6.5 3.9 Methuen 26 47252 11.9 47.9 4.6 42.5 4.1 0.7 7.1 5.0 New Bedford 95071 44.5 34.8 6 13.8 15.3 3.7 1.4 11.5 7.1 Newton 11 85142 8.2 64.8 4.3 5.6 21.3 1.2 6.6 8.2 Peabody 25 51253 10.8 63.5 5.2 18.7 6.7 0.5 6.5 5.4 Pittsfield 28 44728 9.5 73.3 13.1 10.3 3.3 1.6 8.7 3.3 **Plymouth** 19 56455 8.9 87.6 3.0 6.8 1.6 0.6 8.4 4.6 8 Quincy 92275 13.0 47.1 6.6 5.6 36.1 1.3 6.4 6.4 24 Revere 51744 15.3 37.2 7.2 39.7 11.3 0.5 5.5 5.0 13 15.5 Somerville 75748 11.1 59.8 5.8 16.3 0.7 7.5 4.6 Springfield 3 153057 13.9 19.3 20.1 55.7 4.3 1.7 10.1 7.6 Taunton 21 55869 11.2 70.2 13.4 11.2 3.2 1.6 9.8 7.8 Waltham 16 60621 12.8 50.2 9.2 23.4 15.9 1.0 6.6 6.6 23 Weymouth 53736 11.7 75.1 6.7 4.8 11.6 1.6 10.0 9.5 2 13.5 41.8 7.0 Worcester 181041 20.8 29.9 1.5 8.0 7.8

Table 12 (cont'd). Resident Birth Characteristics, 30 Largest Municipalities, Massachusetts: 2017

| Municipality ¹ | Adequate Prenatal Care ⁷ | Public Payment ⁸ for Prenatal Care | Unmarried | | Mothers 9 years ⁹ |
|---------------------------|--|---|-----------|-------|---------------------------------|
| | % | % | % | n | Rate |
| STATE TOTAL | 80.5 | 39.2 | 33.1 | 1,827 | 8.1 |
| Arlington | 87.1 | 9.5 | 5.4 | 6 | 6 |
| Attleboro | 82.3 | 21.8 | 31.8 | 7 | 5.2 |
| Barnstable | 71.3 | 59.5 | 42.0 | 14 | 11.0 |
| Boston | 77.6 | 44.9 | 37.1 | 202 | 7.8 |
| Brockton | 70.4 | 72.2 | 56.4 | 60 | 17.9 |
| Brookline | 82.9 | 8.1 | 5.9 | 6 | 6 |
| Cambridge | 83.5 | 18.1 | 11.7 | 5 | 1.4 |
| Chicopee | 82.5 | 60.3 | 54.7 | 31 | 16.5 |
| Fall River | 76.1 | 59.6 | 62.6 | 67 | 24.1 |
| Framingham | 54.2 | 49.5 | 28.0 | 19 | 8.1 |
| Haverhill | 80.0 | 50.3 | 47.9 | 28 | 15.6 |
| Lawrence | 74.7 | 85.0 | 62.4 | 117 | 34.5 |
| Lowell | 77.1 | 67.5 | 53.1 | 65 | 15.8 |
| Lynn | 72.4 | 69.2 | 51.5 | 91 | 28.2 |
| Malden | 81.5 | 49.6 | 25.1 | 7 | 4.5 |
| Medford | 87.5 | 22.8 | 16.5 | 6 | 3.6 |
| Methuen | 79.6 | 48.4 | 40.1 | 14 | 8.6 |
| New Bedford | 77.5 | 73.4 | 63.4 | 92 | 30.3 |
| Newton | 82.6 | 11.8 | 8.2 | 6 | 6 |
| Peabody | 84.4 | 33.9 | 30.8 | 6 | 4.3 |
| Pittsfield | 81.1 | 54.5 | 60.8 | 21 | 15.7 |
| Plymouth | 86.3 | 34.9 | 31.7 | 8 | 4.9 |
| Quincy | 83.7 | 36.0 | 22.4 | 15 | 7.6 |
| Revere | 76.4 | 63.0 | 33.4 | 17 | 11.9 |
| Somerville | 86.1 | 27.7 | 19.3 | 10 | 5.8 |
| Springfield | 78.2 | 79.9 | 68.8 | 195 | 28.5 |
| Taunton | 74.8 | 48.5 | 49.7 | 18 | 10.3 |
| Waltham | 82.9 | 29.8 | 23.2 | 14 | 5.9 |
| Weymouth | 83.5 | 26.1 | 23.8 | 5 | 3.5 |
| Worcester | 74.0 | 50.6 | 48.1 | 110 | 14.2 |

^{1.} The 30 largest municipalities are the cities/ towns in Massachusetts with the largest populations. 2. Crude birth rates represent the number of births per 1,000 residents (male and female). 2. Rank is by population size. 4. For the category of Mother's Race/Ethnicity, percentages are calculated based on the state total of resident births, including births for which mother's race/Hispanic ethnicity is unknown. 5. Mothers who designated themselves as Non-Hispanic Asian, American Indian, or Other. 6. Counts and calculations based on 1-4 events are excluded. 7. Based on the Adequacy of Prenatal Care Utilization (APNCU) Index. The State Total does not include data from Newton Wellesley, Saint Vincent and Winchester hospitals because of reporting problems. 8. Public payment sources include CommonHealth, Healthy Start, Medicaid/MassHealth, and Medicare (may be HMO or managed care), or free care. 9. Births per 1,000 female residents ages 15-19; rates for cities and towns were calculated using MDPH population estimates for 2010.

Table 13. Birth Characteristics by Facility/Location, Massachusetts: 2017

| | | (2) | (3) | (4) | (5) | (6) | (7) |
|---|-------------------|-----------------------------|---------------------------|------------------------------|----------------------------------|----------------------|------------------------|
| Hospital ⁽¹⁾ | Location | Occurrence Births (n) | Low Birthweight (%) | Public Pay for PNC (%) | Adequate Prenatal Care (%) | Early Term (%) | Late Preterm (%) |
| | | | | | | ` ' | |
| State Total | | 71,427 | 7.4 | 38.9 | 80.6 | 23.1 | 6.6 |
| Anna Jaques Hospital | Newburyport | 684 | 4.5 | 22.6 | 88.1 | 23.0 | 5.4 |
| Baystate Franklin Medical Center | Greenfield | 435 | 2.8 | 47.5 | 81.8 | 12.6 | 5.1 |
| Baystate Medical Center | Springfield | 3,920 | 11.7 | 56.4 | 82.3 | 26.1 | 9.1 |
| Berkshire Medical Center | Pittsfield | 736 | 7.2 | 47.8 | 82.1 | 18.2 | 5.8 |
| Beth Israel Deaconess Hospital - | Plymouth | 784 | 5.5 | 39.1 | 86.3 | 20.3 | 6.8 |
| Plymouth | Tiymouti | 704 | 0.0 | 00.1 | 00.0 | 20.0 | 0.0 |
| Beth Israel Deaconess Medical Center | Boston | 5,111 | 10.8 | 23.0 | 93.2 | 23.9 | 9.0 |
| Beverly Hospital | Beverly | 2,249 | 4.7 | 30.2 | 86.3 | 22.2 | 5.7 |
| Boston Medical Center | Boston | 2,883 | 9.2 | 87.8 | 50.9 | 26.1 | 6.9 |
| Brigham And Women's Hospital | Boston | 6,403 | 9.6 | 27.0 | 83.4 | 26.7 | 8.3 |
| Brockton Hospital | Brockton | 970 | 5.7 | 60.0 | 83.5 | 25.1 | 8.4 |
| Cambridge Birth Center | Cambridge | 100 | 8 | 15.0 | 87.0 | 16.0 | 8 |
| Cambridge Hospital | Cambridge | 1,086 | 4.1 | 67.7 | 82.0 | 23.1 | 3.7 |
| Cape Cod Hospital | Barnstable | 828 | 4.1 | 59.5 | 71.3 | 24.2 | 5.9 |
| Charlton Memorial Hospital | Fall River | 1,471 | 6.7 | 46.7 | 79.8 | 20.0 | 6.5 |
| Cooley Dickinson Hospital | Northampton | 575 | 2.3 | 45.1 | 91.6 | 17.6 | 2.8 |
| Emerson Hospital | Concord | 1,246 | 3.5 | 12.3 | 86.9 | 21.8 | 3.8 |
| Fairview Hospital | Great Barrington | 116 | 8 | 15.7 | 91.3 | 20.7 | 8 |
| Falmouth Hospital | Falmouth | 370 | 3.5 | 47.3 | 80.9 | 20.8 | 3.2 |
| Good Samaritan Medical Center | Brockton | 1,044 | 5.5 | 74.0 | 60.5 | 23.1 | 5.7 |
| Harrington Memorial Hospital | Southbridge | 155 | 3.9 | 61.3 | 91.0 | 13.5 | 8 |
| HealthAlliance Hospital | Leominster | 762 | 4.1 | 64.7 | 81.1 | 19.3 | 2.4 |
| Heywood Hospital Holy Family Hospital and Medical | Gardner | 390 | 4.4 | 54.9 | 80.5 | 20.3 | 3.6 |
| Center | Methuen | 1,135 | 4.8 | 52.3 | 78.0 | 18.2 | 4.6 |
| Holyoke Medical Center | Holyoke | 463 | 4.8 | 48.1 | 67.0 | 23.1 | 3.9 |
| Lawrence General Hospital | Lawrence | 1,441 | 6.4 | 75.6 | 78.4 | 21.7 | 6.2 |
| Lowell General Hospital | Lowell | 2,336 | 6.5 8 | 54.3 | 81.0 | 25.0 | 7.2 |
| Martha's Vineyard Hospital | Oak Bluffs | 145 | | 57.6 | 90.4 | 17.9 | |
| Massachusetts General Hospital Melrose-Wakefield Hospital | Boston Melrose | 3,789 851 | 9.4 | 29.1 32.3 | 86.5 89.1 | 22.4 23.1 | 7.2 5.5 |
| Mercy Medical Center | Springfield | 1,293 | 3.8 | 66.2 | 85.6 | 22.5 | 4.2 |
| Metro West Medical Center | Framingham | 1,097 | 5.6 | 60.9 | 35.0 | 26.5 | 6.6 |
| Milford Regional Medical Center | Milford | 962 | 5.5 | 38.8 | 91.8 | 22.8 | 4.8 |
| Morton Hospital | Taunton | 273 | 6.2 | 49.8 | 70.3 | 19.8 | 6.6 |
| Mt. Auburn Hospital | Cambridge | 2,645 | 3.4 | 17.3 | 83.2 | 17.9 | 4.8 |
| Nantucket Cottage Hospital | Nantucket | 120 | 8 | 58.8 | 77.5 | 27.5 | 8 |
| Newton-Wellesley Hospital ⁹ | Newton | 3,772 | 5.3 | 3.8 | 80.9 | 24.0 | 6.0 |
| North Shore Birth Center | Beverly | 84 | 8 | 29.8 | 92.9 | 14.3 | 8 |
| North Shore Medical Center - Salem Hospital | Salem | 1,284 | 6.9 | 59.1 | 69.1 | 23.8 | 5.9 |
| Norwood Hospital | Norwood | 463 | 4.5 | 28.6 | 79.0 | 25.3 | 3.2 |
| Saint Vincent Hospital ⁹ | Worcester | 1,769 | 3.2 | 35.6 | 85.2 | 22.5 | 4.6 |
| South Shore Hospital | Weymouth | 3,403 | 6.3 | 22.9 | 85.1 | 21.6 | 6.2 |
| St. Elizabeth's Medical Center | Boston | 923 | 15.4 | 37.2 | 81.8 | 25.0 | 9.1 |
| St. Luke's Hospital | New Bedford | 1,540 | 8.5 | 67.7 | 77.4 | 23.0 | 7.7 |

Table 13 (cont'd). Birth Characteristics by Facility/Location, Massachusetts: 2017

| Hospital ⁽¹⁾ | Location | Occurrence Births (n) | Low Birthweight (%) | Public Pay for PNC (%) | Adequate Prenatal Care (%) | Early Term (%) | Late Preterm (%) |
|----------------------------------|------------|-----------------------------|---------------------------|------------------------------|----------------------------------|----------------------|------------------------|
| Sturdy Memorial Hospital | Attleboro | 683 | 4.2 | 11.5 | 74.5 | 16.3 | 2.5 |
| Tobey Hospital | Wareham | 406 | 2.7 | 49.3 | 86.4 | 20.7 | 3.5 |
| Tufts Medical Center | Boston | 1,342 | 21.0 | 48.5 | 81.1 | 26.5 | 12.8 |
| UMass Memorial Medical Center | Worcester | 4,226 | 10.1 | 35.0 | 76.9 | 24.3 | 7.5 |
| Winchester Hospital ⁹ | Winchester | 2,194 | 6.2 | 8.3 | 80.8 | 21.4 | 6.2 |
| Other Hospitals | | 16 | 8 | 55.6 | 50.0 | 8 | 8 |
| Home, Enroute & Dr. Off. | | 454 | 7.1 | 31.3 | 65.1 | 20.2 | 3.4 |

NOTE: All percentages are calculated based on only those occurrence births with known values for the characteristic(s) of interest.

^{1.} A licensed maternity facility is a medical unit licensed by the Commonwealth for the care of women during pregnancy and childbirth.

^{2.} Occurrence births are births that occurred at the facility, regardless of where the mother was a resident. 3. Less than 2,500 grams (5.5 lbs.)

^{4.} Public payment for prenatal care (PNC) includes Medicaid/MassHealth, CommonHealth, Medicare, Healthy Start, other government programs, and free care. 5. Based on the APNCU Index. 6. Birth at 37 or 38 weeks of gestation. 7. Birth at 34 to 36 weeks of gestation. 8. Calculations based on 1-4 events are excluded. 9. Percent should be interpreted with caution as this is a facility that was identified as having reporting problems for prenatal care.

Table 14. Resident Teen Birth Characteristics, 30 Largest Municipalities, Massachusetts: 2017

| | Total | Female | Number of | Teen Birth | Mother's | Race/Hispanic | Ethnicity (% of | teen births) |
|---------------------------|--------------------|------------------------|-----------------------------|-------------------|------------------------|------------------------|-----------------|--|
| Municipality ¹ | Population Rank | Population, ages 15-19 | Teen Births (Ages 15-19) | Rate ² | White Non- Hispanic | Black Non- Hispanic | Hispanic | Asian or Other Non-Hispanic ³ |
| State Total | | 226,569 | 1,827 | 8.1 | 30.3 | 12.8 | 53.8 | 3.1 |
| Arlington | 30 | 867 | 4 | 4 | 4 | 0.0 | 0.0 | 4 |
| Attleboro | 29 | 1,344 | 7 | 5.2 | 4 | 4 | 4 | 0.0 |
| Barnstable | 27 | 1,278 | 14 | 11.0 | 4 | 50.0 | 4 | 4 |
| Boston | 1 | 25,988 | 202 | 7.8 | 4 | 36.2 | 57.8 | 4 |
| Brockton | 7 | 3,354 | 60 | 17.9 | 4 | 48.3 | 36.7 | 4 |
| Brookline | 18 | 1,469 | 4 | 4 | 4 | 4 | 4 | 4 |
| Cambridge | 5 | 3,550 | 5 | 1.4 | 4 | 4 | 4 | 0.0 |
| Chicopee | 22 | 1,881 | 31 | 16.5 | 30.0 | 4 | 60.0 | 4 |
| Fall River | 10 | 2,781 | 67 | 24.1 | 46.3 | 13.4 | 32.8 | 7.5 |
| Framingham | 14 | 2,351 | 19 | 8.1 | 4 | 4 | 72.2 | 0.0 |
| Haverhill | 15 | 1,791 | 28 | 15.6 | 39.3 | 4 | 57.1 | 4 |
| Lawrence | 12 | 3,395 | 117 | 34.5 | 4 | 4 | 97.4 | 4 |
| Lowell | 4 | 4,118 | 65 | 15.8 | 31.3 | 10.9 | 45.3 | 12.5 |
| Lynn | 9 | 3,223 | 91 | 28.2 | 17.4 | 4 | 75.6 | 4 |
| Malden | 17 | 1,548 | 7 | 4.5 | 4 | 0.0 | 4 | 0.0 |
| Medford | 20 | 1,683 | 6 | 3.6 | 4 | 4 | 4 | 0.0 |
| Methuen | 26 | 1,624 | 14 | 8.6 | 4 | 4 | 92.9 | 4 |
| New Bedford | 6 | 3,037 | 92 | 30.3 | 28.6 | 4 | 53.8 | 4 |
| Newton | 11 | 4,195 | 4 | 4 | 0.0 | 0.0 | 4 | 0.0 |
| Peabody | 25 | 1,405 | 6 | 4.3 | 4 | 0.0 | 4 | 0.0 |
| Pittsfield | 28 | 1,339 | 21 | 15.7 | 57.1 | 33.3 | 4 | 4 |
| Plymouth | 19 | 1,641 | 8 | 4.9 | 62.5 | 4 | 4 | 4 |
| Quincy | 8 | 1,984 | 15 | 7.6 | 41.7 | 4 | 4 | 4 |
| Revere | 24 | 1,434 | 17 | 11.9 | 4 | 4 | 68.8 | 4 |
| Somerville | 13 | 1,711 | 10 | 5.8 | 4 | 0.0 | 50.0 | 4 |
| Springfield | 3 | 6,836 | 195 | 28.5 | 7.2 | 13.9 | 76.3 | 2.6 |
| Taunton | 21 | 1,744 | 18 | 10.3 | 66.7 | 4 | 4 | 0.0 |
| Waltham | 16 | 2,356 | 14 | 5.9 | 4 | 4 | 71.4 | 4 |
| Weymouth | 23 | 1,444 | 5 | 3.5 | 4 | 0.0 | 4 | 0.0 |
| Worcester | 2 | 7,726 | 110 | 14.2 | 29.4 | 4 | 60.6 | 4 |

Table 14 (cont'd). Resident Teen Birth Characteristics, 30 Largest Municipalities, Massachusetts: 2017

| Municipality ¹ | Public Payment for | | Low Birthweight ⁶ | Preterm ⁷ | Adequa | cy of Prenatal (| Care ⁸ (% of teen | births) |
|---------------------------|-----------------------|------------------|---------------------------------|----------------------|-----------------------|-------------------|------------------------------|-------------------------|
| | Prenatal Care⁵ (%) | Unmarried (%) | (%) | (%) | Adequate Intensive | Adequate Basic | Intermediate | Inadequate ⁹ |
| State Total | 82.0 | 92.3 | 9.6 | 9.0 | 33.1 | 31.6 | 10.6 | 24.7 |
| Arlington | 4 | 4 | 0.0 | 0.0 | 4 | 4 | 4 | 4 |
| Attleboro | 71.4 | 100.0 | 0.0 | 0.0 | 4 | 4 | 4 | 4 |
| Barnstable | 92.9 | 85.7 | 4 | 4 | 4 | 4 | 4 | 4 |
| Boston | 86.1 | 96.0 | 8.9 | 7.9 | 30.3 | 27.3 | 9.1 | 33.3 |
| Brockton | 90.0 | 93.3 | 4 | 8.3 | 44.1 | 4 | 4 | 28.8 |
| Brookline | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Cambridge | 4 | 100.0 | 4 | 4 | 4 | 4 | 0.0 | 0.0 |
| Chicopee | 87.1 | 90.0 | 16.1 | 4 | 44.8 | 17.2 | 20.7 | 17.2 |
| Fall River | 73.1 | 93.9 | 14.9 | 11.9 | 37.3 | 22.4 | 10.4 | 29.9 |
| Framingham | 89.5 | 84.2 | 4 | 4 | 31.3 | 4 | 4 | 43.8 |
| Haverhill | 60.7 | 100.0 | 4 | 4 | 36.0 | 32.0 | 4 | ⁴ |
| Lawrence | 91.4 | 94.0 | 6.9 | 4.3 | 16.5 | 51.3 | 13.9 | 18.3 |
| Lowell | 82.5 | 92.3 | 7.7 | 16.9 | 32.8 | 23.4 | 14.1 | 29.7 |
| Lynn | 88.9 | 89.0 | 8.8 | 6.6 | 31.1 | 21.1 | 12.2 | 35.6 |
| Malden | 4 | 85.7 | 0.0 | 0.0 | 4 | 4 | 0.0 | 4 |
| Medford | 4 | 100.0 | 4 | 4 | 4 | 0.0 | 0.0 | 4 |
| Methuen | 84.6 | 92.9 | 0.0 | 4 | 4 | 50.0 | 4 | 4 |
| New Bedford | 91.3 | 94.4 | 17.6 | 12.0 | 36.7 | 32.2 | 15.6 | 15.6 |
| Newton | 4 | 4 | 0.0 | 0.0 | 4 | 0.0 | 0.0 | 4 |
| Peabody | 4 | 83.3 | 0.0 | 0.0 | 4 | 4 | 0.0 | 0.0 |
| Pittsfield | 85.7 | 95.2 | 0.0 | 4 | 33.3 | 38.1 | 4 | 4 |
| Plymouth | 62.5 | 87.5 | 0.0 | 0.0 | 4 | 4 | 4 | 4 |
| Quincy | 66.7 | 73.3 | 4 | 4 | 33.3 | 33.3 | 4 | 4 |
| Revere | 94.1 | 88.2 | 0.0 | 0.0 | 37.5 | 4 | 4 | 31.3 |
| Somerville | 70.0 | 100.0 | 4 | 4 | 4 | 4 | 0.0 | 4 |
| Springfield | 93.3 | 92.2 | 10.3 | 9.7 | 35.4 | 35.4 | 9.5 | 19.6 |
| Taunton | 82.4 | 88.9 | 4 | 4 | 4 | 33.3 | 4 | 4 |
| Waltham | 78.6 | 92.9 | 0.0 | 0.0 | 4 | 4 | 4 | 41.7 |
| Weymouth | 100.0 | 100.0 | 4 | 4 | 4 | 4 | 0.0 | 4 |
| Worcester | 75.0 | 90.9 | 7.3 | 5.5 | 22.4 | 35.3 | 21.2 | 21.2 |

NOTE: All percentages are calculated based on only those births with known values for the characteristic(s) of interest, unless otherwise stated.

^{1.} The 30 largest municipalities are the cities and towns in Massachusetts with the largest populations according to the 2010 Census. 2. Birth rates represent the number of births per 1,000 females ages 15-19. Birth rates for cities and towns were calculated using MDPH population estimates for 2010. 3. Mothers who designated themselves as Non-Hispanic Asian, American Indian, or Other. 4. Counts and calculations based on values of 1-4 are excluded. 5. Government programs including CommonHealth, Healthy Start, Medicaid/MassHealth, and Medicare (may also be HMO or managed care), or free care; other: Worker's Compensation and other sources. 6. Less than 2,500 grams or 5.5 pounds. 7. Less than 37 weeks of gestational age. 8. Based on Adequacy of Prenatal Care Utilization (APNCU) Index. State total does not include data from Newton Wellesley, Saint Vincent and Winchester hospitals because of reporting problems. 9. Inadequate includes those mothers with no prenatal care.

Table 15. Adequacy of Prenatal Care Utilization: Summary and Component Indices, Massachusetts: 2017

| | Adequat | equate Total ¹ Adequate Intensive | | | Adequate Basic | | Interm | Intermediate I | | quate | Unknown |
|---|---------|---|--------|------|----------------|------|--------|----------------|-------|-------|---------|
| | n | % | n | % | n | % | n | % | n | % | n |
| Summary Index Adequacy of Prenatal Care Utilization | 49,523 | 80.5 | 25,891 | 42.1 | 23,632 | 38.4 | 3,807 | 6.2 | 8,192 | 13.3 | 1,616 |
| Component Indices Adequacy of Initiation | 53,976 | 87.7 | 19,404 | 31.5 | 34,572 | 56.2 | 3,937 | 6.4 | 3,609 | 5.9 | 1,616 |
| Adequacy of Received Services (Visits) | 55,965 | 91.0 | 31,099 | 50.5 | 24,866 | 40.4 | 4,351 | 7.1 | 1,206 | 2.0 | 1,616 |

NOTE: All percentages are calculated based on the Adequacy of Prenatal Care Utilization (APNCU) Index. Does not include data from Newton Wellesley, Saint Vincent and Winchester hospitals because of reporting problems.

^{1.} Adequate Total is the sum of Adequate Intensive and Adequate Basic categories.

Table 16. Birth Characteristics by Race/Hispanic Ethnicity and Source of Prenatal Care Payment,
Massachusetts: 2017

| | Birth | s ¹ | | Teen Bi | rths² | | | Birthweight | | | |
|--------------------------------------|--------|----------------|-----------|-----------------|--------------|----------|---------|----------------|----------------------|------|--|
| Race/Ethnicity and Payment Source | | _ | <18 Yea | ırs | <20 Year | <u> </u> | Very Lo | w ³ | Low ⁴ | 1 | |
| , | n | % | n | % | n | % | n | % | n | % | |
| STATE TOTAL ⁵ | 70,704 | 100.0 | 471 | 0.7 | 1,843 | 2.6 | 774 | 1.1 | 5,261 | 7.5 | |
| Public | 27,435 | 38.9 | 393 | 1.4 | 1,490 | 5.4 | 357 | 1.3 | 2,349 | 8.6 | |
| Medicaid ⁶ | 24,225 | 34.4 | 359 | 1.5 | 1,397 | 5.8 | 323 | 1.3 | 2,087 | 8.6 | |
| Other Public ⁷ | 3,210 | 4.6 | 34 | 1.1 | 93 | 2.9 | 34 | 1.1 | 262 | 8.2 | |
| Private ⁸ | 42,143 | 59.8 | 68 | 0.2 | 314 | 0.7 | 375 | 0.9 | 2,761 | 6.6 | |
| White Non-Hispanic | 40,989 | 100.0 | 111 | 0.3 | 548 | 1.3 | 333 | 0.8 | 2,565 | 6.3 | |
| Public | 9,962 | 24.4 | 72 | 0.7 | 359 | 3.6 | 108 | 1.1 | 2,303 784 | 7.9 | |
| Medicaid ⁶ | 8,477 | 20.7 | 65 | 0.8 | 341 | 4.0 | 98 | 1.2 | 669 | 7.9 | |
| Other Public ⁷ | 1,485 | 3.6 | 7 | 0.5 | 18 | 1.2 | 10 | 0.7 | 115 | 7.7 | |
| Private ⁸ | 30,554 | 74.7 | 37 | 0.1 | 178 | 0.6 | 207 | 0.7 | 1,722 | 5.6 | |
| Black Non-Hispanic | 7.054 | 400.0 | 60 | | 000 | 2.0 | 404 | 0.0 | 700 | 40.0 | |
| • | 7,251 | 100.0 | 68 | 0.9 | 232 | 3.2 | 164 | 2.3 | 768 | 10.6 | |
| Public | 4,752 | 65.7 | 60 | 1.3 | 194 | 4.1 | 99 | 2.1 | 486 | 10.2 | |
| Medicaid ⁶ | 4,228 | 58.5 | 54 | 1.3 | 176 | 4.2 | 90 | 2.1 | 431 | 10.2 | |
| Other Public ⁷ | 524 | 7.2 | 6 | 1.1 | 18 | 3.4 | 9 | 1.7 | 55 | 10.5 | |
| Private ⁸ | 2,261 | 31.3 | 6 | 0.3 | 29 | 1.3 | 54 | 2.4 | 238 | 10.5 | |
| Hispanic | 13,516 | 100.0 | 269 | 2.0 | 972 | 7.2 | 185 | 1.4 | 1,145 | 8.5 | |
| Public | 10,008 | 74.2 | 245 | 2.4 | 864 | 8.6 | 120 | 1.2 | 847 | 8.5 | |
| Medicaid ⁶ | 9,194 | 68.1 | 228 | 2.5 | 816 | 8.9 | 111 | 1.2 | 794 | 8.6 | |
| Other Public ⁷ | 814 | 6.0 | 17 | 2.1 | 48 | 5.9 | 9 | 1.1 | 53 | 6.5 | |
| Private ⁸ | 3,329 | 24.7 | 20 | 0.6 | 92 | 2.8 | 55 | 1.7 | 263 | 7.9 | |
| Asian Non-Hispanic | 6,338 | 100.0 | 10 | 0.2 | 31 | 0.5 | 40 | 0.6 | 526 | 8.3 | |
| Public | 1,723 | 27.2 | 7 | 0.4 | 26 | 1.5 | 9 | 9 | 135 | 7.8 | |
| Medicaid ⁶ | 1,534 | 24.2 | 6 | 0.4 | 25 | 1.6 | 9 | 9 | 121 | 7.9 | |
| Other Public ⁷ | 189 | 3.0 | 9 | 9 | 9 | 9 | 0 | 0.0 | 14 | 7.4 | |
| Private ⁸ | 4,535 | 71.7 | 9 | 9 | 5 | 0.1 | 35 | 8.0 | 386 | 8.5 | |
| Other Non-Hispanic ⁹ | 684 | 100.0 | 6 | 0.9 | 24 | 3.5 | 10 | 1.5 | 57 | 8.3 | |
| Public | 374 | 55.2 | 9 | 0.9 9 | 19 | 5.1 | 8 | 2.1 | 29 | 7.8 | |
| Medicaid ⁶ | 322 | 47.5 | 9 | 9 | 16 | 5.0 | 8 | 2.5 | 2 3 27 | 8.4 | |
| Other Public ⁷ | 52 | 7.7 | 9 | 9 | ⁹ | 9 | 0 | 0.0 | 9 | 9 | |
| Private ⁸ | 286 | 42.2 | 9 | 9 | 5 | 1.7 | 9 | 9 | 26 | 9.1 | |

Table 16 (cont'd). Birth Characteristics by Race/Hispanic Ethnicity and Source of Prenatal Care Payment, Massachusetts: 2017

| | F | Prenatal | Care | | | | | | | |
|----------------------------------|-------------------|----------|----------------|-------|------------|------|-------------|------|-----------|------|
| Race/Ethnicity and | | . 44 | | n 1st | Cesare | | | 40 | | . 40 |
| Payment Source | Adequ | | Trim | ester | Delive | • | Breastfeed | • | Smol | • |
| | n | % | n | % | n | % | n | % | n | % |
| STATE TOTAL ⁵ | 49,523 | 80.5 | 55,171 | 79.1 | 22,290 | 31.6 | 60,277 | 85.5 | 3,347 | 4.9 |
| Public | 19,038 | 73.5 | 19,161 | 70.8 | 8,539 | 31.1 | 22,090 | 80.7 | 2,405 | 9.1 |
| Medicaid ⁶ | 16,890 | 73.6 | 16,905 | 70.7 | 7,518 | 31.0 | 19,407 | 80.3 | 2,155 | 9.2 |
| Other Public ⁷ | 2,148 | 72.5 | 2,256 | 71.4 | 1,021 | 31.8 | 2,683 | 83.8 | 250 | 8.1 |
| Private ⁸ | 30,207 | 87.0 | 35,736 | 85.6 | 13,495 | 32.0 | 37,431 | 88.9 | 835 | 2.0 |
| White Non-Hispanic | 29,029 | 84.2 | 33,640 | 83.1 | 12,870 | 31.4 | 34,670 | 84.7 | 2,552 | 6.3 |
| Public | 7,036 | 76.3 | 7,252 | 73.7 | 3,121 | 31.3 | 7,470 | 75.2 | 1,755 | 18.2 |
| Medicaid ⁶ | 5,989 | 76.1 | 6,137 | 73.3 | 2,650 | 31.3 | 6,292 | 74.4 | 1,560 | 19.0 |
| Other Public ⁷ | 1,047 | 77.6 | 1,115 | 76.0 | 471 | 31.7 | 1,178 | 79.5 | 195 | 13.5 |
| Private ⁸ | 21,854 | 87.9 | 26,245 | 86.7 | 9,648 | 31.6 | 26,873 | 88.0 | 722 | 2.4 |
| Black Non-Hispanic | 4,601 | 68.8 | 4,795 | 67.3 | 2,534 | 34.9 | 6,298 | 87.2 | 222 | 3.1 |
| Public | 2,947 | 65.3 | 2,976 | 63.6 | 1,566 | 33.0 | 4,060 | 85.7 | 181 | 3.9 |
| Medicaid ⁶ | 2,642 | 65.7 | 2,656 | 63.8 | 1,391 | 32.9 | 3,596 | 85.4 | 159 | 3.8 |
| Other Public ⁷ | 305 | 61.6 | 320 | 62.3 | 175 | 33.4 | 464 | 88.9 | 22 | 4.3 |
| Private ⁸ | 1,621 | 82.5 | 1,787 | 79.9 | 881 | 39.0 | 2,053 | 91.2 | 27 | 1.2 |
| Hispanic | 9,629 | 75.6 | 9,715 | 72.8 | 4,223 | 31.2 | 11,334 | 84.1 | 458 | 3.5 |
| Public | 7,099 | 73.8 | 6,989 | 70.7 | 3,084 | 30.8 | 8,280 | 82.9 | 390 | 4.0 |
| Medicaid ⁶ | 6,587 | 74.4 | 6,460 | 71.0 | 2,824 | 30.7 | 7,583 | 82.7 | 362 | 4. |
| Other Public ⁷ | 512 | 67.2 | 529 | 66.5 | 260 | 31.9 | 697 | 85.7 | 28 | 3.6 |
| Private ⁸ | 2,479 | 83.7 | 2,679 | 81.4 | 1,100 | 33.0 | 2,931 | 88.3 | 56 | 1.7 |
| Asian Non-Hispanic | 4,334 | 81.9 | 5,029 | 80.2 | 1,851 | 29.2 | 5,773 | 91.2 | 58 | 0.9 |
| Public | 1,268 | 78.3 | 1,244 | 73.5 | 446 | 25.9 | 1,468 | 85.2 | 36 | 2.1 |
| Medicaid ⁶ | 1,140 | 78.5 | 1,103 | 73.2 | 402 | 26.2 | 1,293 | 84.3 | 36 | 2.4 |
| Other Public ⁷ | 128 | 76.6 | 141 | 75.8 | 44 | 23.3 | 175 | 92.6 | 0 | 0.0 |
| Private ⁸ | 3,038 | 84.3 | 3,758 | 83.4 | 1,387 | 30.6 | 4,238 | 93.5 | 19 | 0.4 |
| Other Non-Hispanic ¹⁰ | 454 | 72.5 | 450 | 68.4 | 222 | 20 5 | <i>E</i> 70 | 83.8 | 47 | 7.3 |
| Public | 454 245 | | 456 238 | | 222 | 32.5 | 573 | | 47 | |
| Medicaid ⁶ | | 69.0 | | 64.9 | 120 | 32.1 | 310 | 82.9 | 34 | 9.8 |
| Other Public ⁷ | 211 | 69.4 | 210 | 66.5 | 102 | 31.7 | 267 | 82.9 | 29 | 9.8 |
| | 34 | 66.7 | 28 | 54.9 | 18 | 34.6 | 43 | 82.7 | 5 | 10.0 |
| Private ⁸ | 203 | 80.6 | 212 | 75.4 | 98 | 34.3 | 243 | 85.0 | 10 | 3.6 |

NOTE: All percentages are calculated based on only those births with known values for the characteristic(s) of interest, unless otherwise stated.

1. In the "Births" column, percentages are based on race/ethnicity category totals (in column). For all other characteristics, percentages are based on the total number of births for the race/ethnicity by payment source for the row. 2. Teen births include births to female ages less than 20, not just those ages 15-19. 3. Very low birthweight: less than 1,500 grams or 3.3 pounds. 4. Low Birthweight: less than 2,500 grams or 5.5 pounds. 5. Total births do not equal Public + Private because Workers' Compensation, self-paid, and other are in the state total but not shown in the table. 6. Medicaid/MassHealth. 7. Other Public: CommonHealth, Healthy Start, Medicare, other government programs, and free care. 8. Private: commercial indemnity plans or commercial managed care organizations (HMO, PPO, IPP, or IPA). It does not include Self-Paid/Other. 9. Calculations based on values of 1-4 are excluded. 10. Other: Mothers who designated their race as American Indian or "Other." 11. Based on the Adequacy of Prenatal Care Utilization (APNCU) Index. Does not include data from Newton Wellesley, Saint Vincent and Winchester hospitals because of reporting problems. 12. Infant was being breastfed during the hospital stay. 13. Mother reported smoking during pregnancy.

Table 17. Birth Characteristics: Occurrence and Resident Births, Massachusetts Municipalities: 2017

| | | Resident Births ² | | | | | | | |
|------------------------------|-----------------------------------|------------------------------|---|-------------------------------------|------------------------------|--|--|--|--|
| Community | Occurrence Births ¹ | Number of Births | Low Birthweight (Less than 2,500 grams, 5.5 lbs.) | Preterm (<37 weeks gestation) | Teen Births (15-19 years) | | | | |
| STATE TOTAL | 71,427 | 70,704 | 5,261 | 6,272 | 1,827 | | | | |
| OTATE TOTAL | 11,741 | 70,704 | 0,201 | 0,212 | 1,021 | | | | |
| Abington | 2 | 187 | 10 | 22 | | | | | |
| Acton | 2 | 184 | 13 | 14 | | | | | |
| Acushnet | 0 | 85 | 6 | 6 | | | | | |
| Adams | 0 | 65 | 13 | 9 | | | | | |
| Agawam | 0 | 246 | 9 | 16 | 8 | | | | |
| Alford | 0 | 1 | 0 | 0 | 0 | | | | |
| Amesbury | 2 | 159 | 20 | 15 | | | | | |
| Amherst | 2 | 130 | 10 | 11 | | | | | |
| Andover | 0 | 245 | 19 | 15 | | | | | |
| Aquinnah (Formerly Gay Head) | 0 | 1 | 0 | 0 | 0 | | | | |
| Arlington | 7 | 502 | 33 | 41 | | | | | |
| Ashburnham | 0 | 43 | | | 0 | | | | |
| Ashby | 0 | 29 | | | 0 | | | | |
| Ashfield | 2 | 14 | 0 | | 0 | | | | |
| Ashland | 0 | 205 | 12 | 9 | | | | | |
| Athol | 3 | 125 | 7 | 11 | 9 | | | | |
| Attleboro | 687 | 515 | 51 | 47 | 7 | | | | |
| Auburn | 3 | 150 | | 9 | | | | | |
| Avon | 2 | 56 | | | 5 | | | | |
| Ayer | 1 | 101 | 10 | 7 | <u></u> | | | | |
| Barnstable | 831 | 407 | 32 | 37 | 14 | | | | |
| Barre | 1 | 53 | | | | | | | |
| Becket | 0 | 11 | 0 | | 0 | | | | |
| Bedford | 1 | 113 | | 5 | 0 | | | | |
| Belchertown | 0 | 115 | 10 | | 0 | | | | |
| Bellingham | 2 | 171 | 18 | 20 | <u>-</u> | | | | |
| Belmont | 0 | 252 | 7 | 10 | | | | | |
| Berkley | 0 | 53 | | 8 | | | | | |
| Berlin | 0 | 23 | 0 | 0 | 0 | | | | |
| Bernardston | 2 | 12 | | | 0 | | | | |
| Beverly | 2334 | 410 | 18 | 28 | - - | | | | |
| Billerica | 0 | 421 | 40 | 53 | 5 | | | | |
| Blackstone | 1 | 82 | 6 | 9 | | | | | |
| Blandford | 0 | 11 | 0 | 0 | 0 | | | | |
| Bolton | 1 | 48 | | | | | | | |
| Boston | 20495 | 7730 | 670 | 765 | 202 | | | | |
| Bourne | 1 | 153 | 10 | 17 | 6 | | | | |
| Boxborough | 0 | 41 | | | | | | | |
| Boxford | 1 | 60 | | 0 | 0 | | | | |
| Boylston | 0 | 44 | | | 0 | | | | |
| Braintree | 1 | 374 | 22 | 35 | 0 | | | | |
| Brewster | 0 | 58 | | | 0 | | | | |
| Bridgewater | 0 | 230 | 13 | 13 | | | | | |
| Brimfield | 1 | 22 | | 0 | | | | | |
| Brockton | 2025 | 1473 | 136 | 153 | 60 | | | | |
| Brookfield | 0 | 29 | | | | | | | |
| Brookline | 0 | 594 | 36 | 48 | | | | | |
| Buckland | 0 | 11 | 0 | | 0 | | | | |

Table 17 (cont'd). Birth Characteristics: Occurrence and Resident Births, Massachusetts Municipalities: 2017

| | | Resident Births ² | | | | | | | |
|-----------------------------|-----------------------------------|------------------------------|---|-------------------------------------|------------------------------|--|--|--|--|
| Community | Occurrence Births ¹ | Number of Births | Low Birthweight (Less than 2,500 grams, 5.5 lbs.) | Preterm (<37 weeks gestation) | Teen Births (15-19 years) | | | | |
| Burlington | 3 | 288 | 27 | 33 | 0 | | | | |
| Cambridge | 3840 | 1077 | 65 | 88 | 5 | | | | |
| Canton | 1 | 228 | 16 | 23 | 0 | | | | |
| Carlisle | 0 | 30 | | | 0 | | | | |
| Carver | 1 | 99 | 8 | 11 | | | | | |
| Charlemont | 0 | 8 | | | | | | | |
| Charlton | 0 | 109 | | 8 | | | | | |
| Chatham | 1 | 26 | | | | | | | |
| Chelmsford | 0 | 316 | 14 | 20 | | | | | |
| Chelsea | 2 | 638 | 39 | 56 | 44 | | | | |
| Cheshire | 0 | 19 | | | 0 | | | | |
| Chester | 0 | 9 | | 0 | 0 | | | | |
| Chesterfield | 0 | 7 | | | | | | | |
| Chicopee | 2 | 578 | 53 | 66 | 31 | | | | |
| Chilmark | 1 | 6 | | 0 | 0 | | | | |
| Clarksburg | 1 | 14 | | | 0 | | | | |
| Clinton | 1 | 150 | 6 | 14 | 7 | | | | |
| Cohasset | 0 | 78 | | | 0 | | | | |
| Colrain | 1 | 14 | | 0 | | | | | |
| Concord | 1249 | 111 | | 8 | 0 | | | | |
| Conway | 0 | 10 | | | 0 | | | | |
| Cummington | 0 | 2 | 0 | 0 | 0 | | | | |
| Dalton | 0 | 47 | | | | | | | |
| Danvers | 0 | 269 | 17 | 20 | 0 | | | | |
| Dartmouth | 2 | 210 | 15 | 16 | | | | | |
| Dedham | 1 | 271 | 19 | 25 | | | | | |
| Deerfield | 2 | 37 | | 0 | 0 | | | | |
| Dennis | 2 | 91 | 9 | 11 | | | | | |
| Dighton | 1 | 86 | | | 0 | | | | |
| | 0 | | | | | | | | |
| Douglas Dover | 0 | 69 33 | | 5 | | | | | |
| | 0 | | | | 0 | | | | |
| Dracut | 0 | 341 78 | 24 | 31 8 | 0 | | | | |
| Dudley Dunstable | | _ | 6 | - | | | | | |
| | 1 | 26 123 | 7 | | 0 | | | | |
| Duxbury Fact Bridgowater | 0 | | 7 | 11 | | | | | |
| East Bridgewater | | 118 24 | | 5 | | | | | |
| East Brookfield | 0 | 119 | | 9 | 0 | | | | |
| East Longmeadow | 0 | 119 22 | 8 | | | | | | |
| Eastham | 0 | | | | 0 | | | | |
| Easthampton | 3 | 125 | 9 | 10 | - | | | | |
| Easton | 3 | 191 | 9 | 13 | | | | | |
| Edgartown | 1 | 49 | 0 | | 0 | | | | |
| Egremont | 0 | 9 | 0 | 0 | 0 | | | | |
| Erving | 0 | 17 | | 0 | | | | | |
| Essex | 0 | 40 | 7 | 8 | 0 | | | | |
| Everett | 3 | 655 | 55 | 64 | 18 | | | | |
| Fairhaven | 0 | 118 | 8 | 11 | | | | | |
| Fall River | 1472 | 1113 | 100 | 116 | 67 | | | | |
| Falmouth | 371 | 205 | 13 | 10 | 5 | | | | |
| Fitchburg | 4 | 500 | 33 | 39 | 35 | | | | |

Table 17 (cont'd). Birth Characteristics: Occurrence and Resident Births, Massachusetts Municipalities: 2017

| | | Resident Births ² | | | | | | | |
|----------------------|-----------------------------------|------------------------------|---|-------------------------------------|------------------------------|--|--|--|--|
| Community | Occurrence Births ¹ | Number of Births | Low Birthweight (Less than 2,500 grams, 5.5 lbs.) | Preterm (<37 weeks gestation) | Teen Births (15-19 years) | | | | |
| Florida | 0 | 2 | | 0 | | | | | |
| Foxborough | 2 | 178 | 13 | 17 | | | | | |
| Framingham | 1099 | 940 | 73 | 93 | 19 | | | | |
| Franklin | 3 | 275 | 20 | 24 | | | | | |
| Freetown | 1 | 67 | | 6 | | | | | |
| Gardner | 394 | 216 | 10 | 13 | | | | | |
| Georgetown | 0 | 82 | 6 | | | | | | |
| Gill | 0 | 10 | 0 | 0 | 0 | | | | |
| Gloucester | 2 | 241 | 17 | 25 | 11 | | | | |
| Goshen | 0 | 11 | 0 | 0 | 0 | | | | |
| Gosnold | 0 | 0 | 0 | 0 | 0 | | | | |
| Grafton | 3 | 195 | 15 | 23 | | | | | |
| Granby | 0 | 42 | | 6 | | | | | |
| Granville | 0 | 9 | | | 0 | | | | |
| Great Barrington | 117 | 42 | | | 0 | | | | |
| Greenfield | 438 | 163 | 10 | 16 | 6 | | | | |
| Greenlieid Groton | 0 | 89 | i i | 7 | | | | | |
| Groveland | 0 | 62 | 10 7 | | - | | | | |
| | 0 | | | 8 | | | | | |
| Hadley | | 34 | 0 | | 0 | | | | |
| Halifax | 0 | 83 | 10 | 13 | - | | | | |
| Hamilton | 0 | 101 | 6 | 7 | | | | | |
| Hampden | 0 | 21 | 0 | 0 | 0 | | | | |
| Hancock ·· | 0 | 6 | | 0 | <u>-</u> | | | | |
| Hanover | 1 | 124 | 5 | 8 | 0 | | | | |
| Hanson | 0 | 107 | 11 | 13 | | | | | |
| Hardwick | 0 | 15 | | | 0 | | | | |
| Harvard | 1 | 32 | | | 0 | | | | |
| Harwich | 1 | 88 | 6 | 11 | 0 | | | | |
| Hatfield | 1 | 20 | | | 0 | | | | |
| Haverhill | 5 | 758 | 67 | 78 | 28 | | | | |
| Hawley | 0 | 3 | 0 | 0 | 0 | | | | |
| Heath | 1 | 6 | | | 0 | | | | |
| Hingham | 2 | 217 | 13 | 17 | | | | | |
| Hinsdale | 0 | 15 | 0 | 0 | | | | | |
| Holbrook | 0 | 139 | 9 | 13 | | | | | |
| Holden | 2 | 201 | 14 | 20 | 0 | | | | |
| Holland | 1 | 16 | | | 0 | | | | |
| Holliston | 2 | 133 | 5 | 9 | 0 | | | | |
| Holyoke | 467 | 493 | 49 | 56 | 40 | | | | |
| Hopedale | 0 | 65 | | 8 | 0 | | | | |
| Hopkinton | 0 | 176 | 14 | 17 | 0 | | | | |
| Hubbardston | 0 | 41 | | | | | | | |
| Hudson | 2 | 204 | 12 | 19 | 0 | | | | |
| Hull | 1 | 73 | 7 | | | | | | |
| Huntington | 0 | 20 | | | | | | | |
| Ipswich | 1 | 111 | 12 | 9 | | | | | |
| Kingston | 0 | 140 | 14 | 13 | 0 | | | | |
| Lakeville | 1 | 90 | 6 | 8 | | | | | |
| Lancaster | 2 | 49 | | | | | | | |
| Lanesborough | 2 | 26 | | | | | | | |

Table 17 (cont'd). Birth Characteristics: Occurrence and Resident Births, Massachusetts Municipalities: 2017

| | | Resident Births ² | | | | | | | |
|------------------------|-----------------------------------|------------------------------|---|-------------------------------------|------------------------------|--|--|--|--|
| Community | Occurrence Births ¹ | Number of Births | Low Birthweight (Less than 2,500 grams, 5.5 lbs.) | Preterm (<37 weeks gestation) | Teen Births (15-19 years) | | | | |
| Lawrence | 1445 | 1451 | 129 | 135 | 117 | | | | |
| Lee | 1 | 41 | | | | | | | |
| Leicester | 1 | 89 | 9 | 11 | | | | | |
| Lenox | 0 | 23 | 0 | 0 | 0 | | | | |
| Leominster | 765 | 439 | 27 | 35 | 12 | | | | |
| Leverett | 0 | 7 | | | 0 | | | | |
| Lexington | 1 | 177 | 14 | 15 | 0 | | | | |
| Leyden | 0 | 1 | 0 | 0 | 0 | | | | |
| Lincoln | 1 | 74 | | | | | | | |
| Littleton | 0 | 86 | 5 | | | | | | |
| Longmeadow | 0 | 123 | 8 | 9 | 0 | | | | |
| Lowell | 2344 | 1499 | 128 | 147 | 65 | | | | |
| Ludlow | 0 | 131 | 7 | 8 | | | | | |
| Lunenburg | 2 | 100 | 8 | | 0 | | | | |
| Lynn | 11 | 1589 | 126 | 142 | 91 | | | | |
| Lynnfield | 0 | 142 | 11 | 142 | 0 | | | | |
| Malden | 5 | 826 | 76 | 85 | 7 | | | | |
| Manchester | 0 | 22 | | | 0 | | | | |
| Mansfield | 1 | 209 | 12 | 15 | | | | | |
| Marblehead | 1 | 138 | 5 | 8 | 0 | | | | |
| Marion | | | | | _ | | | | |
| | 0 | 27 484 | | | | | | | |
| Marlborough | 3 | _ | 26 | 41 | 13 | | | | |
| Marshfield Marshran | 1 | 215 | 11 | 25 | | | | | |
| Mashpee | 1 | 111 | 8 | 8 | | | | | |
| Mattapoisett | 0 | 33 | | | 0 | | | | |
| Maynard | 1 | 118 | 11 | 10 | | | | | |
| Medfield | 1 | 92 | | 5 | 0 | | | | |
| Medford | 1 | 666 | 43 | 58 | 6 | | | | |
| Medway | 0 | 113 | 7 | | 0 | | | | |
| Melrose | 854 | 381 | 33 | 39 | | | | | |
| Mendon | 0 | 34 | 5 | 5 | 0 | | | | |
| Merrimac | 0 | 50 | | | | | | | |
| Methuen | 1137 | 560 | 40 | 65 | 14 | | | | |
| Middleborough | 0 | 215 | 15 | 21 | | | | | |
| Middlefield | 0 | 1 | 0 | 0 | 0 | | | | |
| Middleton | 0 | 64 | 5 | 5 | | | | | |
| Milford | 963 | 387 | 32 | 34 | 13 | | | | |
| Millbury | 2 | 126 | 7 | 10 | 0 | | | | |
| Millis | 1 | 84 | | 7 | 0 | | | | |
| Millville | 2 | 31 | | | | | | | |
| Milton | 2 | 272 | 13 | 15 | 0 | | | | |
| Monroe | 0 | 2 | 0 | 0 | 0 | | | | |
| Monson | 0 | 46 | | | | | | | |
| Montague | 2 | 65 | | 9 | | | | | |
| Monterey | 1 | 3 | 0 | 0 | 0 | | | | |
| Montgomery | 1 | 6 | 0 | 0 | 0 | | | | |
| Mount Washington | 1 | 2 | 0 | 0 | 0 | | | | |
| Nahant | 0 | 27 | | | | | | | |
| Nantucket | 122 | 136 | 7 | 7 | 5 | | | | |
| Natick | 3 | 390 | 30 | 47 | | | | | |

Table 17 (cont'd). Birth Characteristics: Occurrence and Resident Births, Massachusetts Municipalities: 2017

| | | | Resident Births ² | | | | | | | |
|----------------------|-----------------------------------|---------------------|---|-------------------------------------|------------------------------|--|--|--|--|--|
| Community | Occurrence Births ¹ | Number of Births | Low Birthweight (Less than 2,500 grams, 5.5 lbs.) | Preterm (<37 weeks gestation) | Teen Births (15-19 years) | | | | | |
| Needham | 1 | 249 | 11 | 16 | | | | | | |
| New Ashford | 0 | 0 | 0 | 0 | 0 | | | | | |
| New Bedford | 1545 | 1311 | 150 | 144 | 92 | | | | | |
| New Braintree | 0 | 6 | 0 | 0 | 0 | | | | | |
| New Marlborough | 0 | 2 | 0 | 0 | 0 | | | | | |
| New Salem | 1 | 8 | 0 | 0 | 0 | | | | | |
| Newbury | 0 | 57 | 0 | | | | | | | |
| Newburyport | 685 | 113 | | 12 | | | | | | |
| Newton | 3779 | 696 | 46 | 57 | | | | | | |
| Norfolk | 2 | 115 | 5 | 5 | 0 | | | | | |
| North Adams | 3 | 124 | 14 | 18 | 13 | | | | | |
| North Andover | 0 | 290 | 17 | 22 | | | | | | |
| North Attleborough | 0 | 260 | 17 | 19 | | | | | | |
| North Brookfield | 0 | 49 | | 5 | | | | | | |
| North Reading | 0 | 152 | 9 | 9 | 0 | | | | | |
| Northampton | 578 | 200 | 13 | 11 | | | | | | |
| Northborough | 0 | 123 | 6 | 14 | | | | | | |
| Northbridge | 1 | 161 | 12 | 8 | | | | | | |
| Northfield | 0 | 13 | | 0 | | | | | | |
| Norton | 0 | 181 | 12 | 16 | | | | | | |
| Norwell | 1 | | | | | | | | | |
| Norwood | 465 | 105 385 | 9 32 | 8 | 7 | | | | | |
| Oak Bluffs | | | | 38 | | | | | | |
| Oak Biulis Oakham | 146 | 53 | | | | | | | | |
| | 0 | 14 | 0 | 0 | 0 | | | | | |
| Orlange | 1 | 59 | | 8 | | | | | | |
| Orleans | 0 | 16 | | | 0 | | | | | |
| Otis | 0 | 14 | | | 0 | | | | | |
| Oxford | 3 | 117 | 5 | | 0 | | | | | |
| Palmer | 3 | 115 | 11 | 11 | 6 | | | | | |
| Paxton | 0 | 36 | | | 0 | | | | | |
| Peabody | 1 | 556 | 36 | 53 | 6 | | | | | |
| Pelham | 0 | 8 | 0 | 0 | 0 | | | | | |
| Pembroke | 0 | 165 | 11 | 17 | | | | | | |
| Pepperell | 2 | 111 | 7 | 10 | | | | | | |
| Peru | 0 | 6 | | | 0 | | | | | |
| Petersham | 0 | 11 | 0 | 0 | 0 | | | | | |
| Phillipston | 0 | 21 | | 0 | 0 | | | | | |
| Pittsfield | 740 | 427 | 37 | 38 | 21 | | | | | |
| Plainfield | 0 | 4 | 0 | 0 | 0 | | | | | |
| Plainville | 0 | 95 | | 9 | | | | | | |
| Plymouth | 788 | 502 | 42 | 45 | 8 | | | | | |
| Plympton | 0 | 40 | | | 0 | | | | | |
| Princeton | 0 | 20 | | | | | | | | |
| Provincetown | 0 | 9 | 0 | 0 | 0 | | | | | |
| Quincy | 5 | 1195 | 77 | 82 | 15 | | | | | |
| Randolph | 1 | 415 | 46 | 56 | 5 | | | | | |
| Raynham | 0 | 138 | 6 | 15 | 5 | | | | | |
| Reading | 0 | 239 | 6 | 8 | 0 | | | | | |
| Rehoboth | 0 | 86 | | | | | | | | |
| Revere | 6 | 794 | 44 | 63 | 17 | | | | | |

Table 17 (cont'd). Birth Characteristics: Occurrence and Resident Births, Massachusetts Municipalities: 2017

| | | Resident Births ² | | | | | | | |
|--------------|-----------------------------------|------------------------------|---|-------------------------------------|------------------------------|--|--|--|--|
| Community | Occurrence Births ¹ | Number of Births | Low Birthweight (Less than 2,500 grams, 5.5 lbs.) | Preterm (<37 weeks gestation) | Teen Births (15-19 years) | | | | |
| Richmond | 1 | 7 | 0 | 0 | 0 | | | | |
| Rochester | 1 | 36 | | | | | | | |
| Rockland | 1 | 170 | 10 | 16 | | | | | |
| Rockport | 0 | 26 | 0 | 0 | 0 | | | | |
| Rowe | 0 | 3 | 0 | 0 | 0 | | | | |
| Rowley | 0 | 62 | | | 0 | | | | |
| Royalston | 0 | 6 | | 0 | 0 | | | | |
| Russell | 4 | 22 | | | | | | | |
| Rutland | 1 | 67 | 5 | 5 | | | | | |
| Salem | 1287 | 448 | 42 | 52 | 6 | | | | |
| Salisbury | 0 | 56 | | 5 | | | | | |
| Sandisfield | 0 | 4 | 0 | 0 | 0 | | | | |
| Sandwich | 0 | 127 | | 8 | 0 | | | | |
| Saugus | 1 | | 10 | 19 | | | | | |
| Savoy | 0 | 223 3 | 0 | 0 | | | | | |
| | | | | | | | | | |
| Scituate | 1 | 187 | 5 | 6 | 0 | | | | |
| Seekonk | 1 | 116 | | | | | | | |
| Sharon | 2 | 151 | 14 | 12 | 0 | | | | |
| Sheffield | 1 | 19 | | | | | | | |
| Shelburne | 0 | 14 | 0 | 0 | 0 | | | | |
| Sherborn | 0 | 28 | | | 0 | | | | |
| Shirley | 0 | 51 | | | 0 | | | | |
| Shrewsbury | 0 | 315 | 23 | 20 | | | | | |
| Shutesbury | 0 | 17 | | | 0 | | | | |
| Somerset | 1 | 125 | 6 | 7 | | | | | |
| Somerville | 10 | 841 | 63 | 63 | 10 | | | | |
| South Hadley | 3 | 131 | 10 | 15 | | | | | |
| Southampton | 2 | 43 | | 5 | 0 | | | | |
| Southborough | 0 | 77 | 5 | | 0 | | | | |
| Southbridge | 156 | 190 | 12 | 12 | 14 | | | | |
| Southwick | 1 | 65 | | | | | | | |
| Spencer | 2 | 96 | 6 | 9 | | | | | |
| Springfield | 5234 | 2134 | 215 | 240 | 195 | | | | |
| Sterling | 1 | 41 | | 0 | 0 | | | | |
| Stockbridge | 0 | 7 | 0 | 0 | 0 | | | | |
| Stoneham | 2 | 227 | 12 | 13 | | | | | |
| Stoughton | 2 | 292 | 34 | 27 | | | | | |
| Stow | 0 | 62 | | | 0 | | | | |
| Sturbridge | 1 | 90 | 7 | 8 | | | | | |
| Sudbury | 2 | 138 | 10 | 16 | 0 | | | | |
| Sunderland | 0 | 33 | | 5 | | | | | |
| Sutton | 3 | 78 | | 6 | | | | | |
| Swampscott | 0 | 141 | | 5 | | | | | |
| Swansea | 0 | 126 | | 8 | | | | | |
| Taunton | 274 | | | | | | | | |
| | • | 625 | 61 | 75 7 | 18 | | | | |
| Templeton | 1 | 69 | 6 | | | | | | |
| Tewksbury | 0 | 285 | 28 | 28 | - | | | | |
| Tisbury | 0 | 37 | | 5 | - | | | | |
| Tolland | 0 | 0 | 0 | 0 | 0 | | | | |
| Topsfield | 1 | 38 | | | 0 | | | | |

Table 17 (cont'd). Birth Characteristics: Occurrence and Resident Births, Massachusetts Municipalities: 2017

| | | Resident Births ² | | | | | | | |
|------------------|-----------------------------------|------------------------------|---|-------------------------------------|------------------------------|--|--|--|--|
| Community | Occurrence Births ¹ | Number of Births | Low Birthweight (Less than 2,500 grams, 5.5 lbs.) | Preterm (<37 weeks gestation) | Teen Births (15-19 years) | | | | |
| Townsend | 2 | 90 | | 5 | | | | | |
| Truro | 0 | 7 | 0 | | 0 | | | | |
| Tyngsborough | 0 | 97 | 7 | 11 | | | | | |
| Tyringham | 0 | 3 | 0 | 0 | 0 | | | | |
| Upton | 0 | 78 | | 5 | | | | | |
| Uxbridge | 4 | 132 | 14 | 13 | | | | | |
| Wakefield | 1 | 315 | 16 | 26 | 0 | | | | |
| Wales | 0 | 20 | | | 0 | | | | |
| Walpole | 0 | 243 | 8 | 21 | 0 | | | | |
| Waltham | 3 | 773 | 51 | 69 | 14 | | | | |
| Ware | 2 | 81 | 7 | 7 | | | | | |
| Wareham | 407 | 209 | 18 | 16 | 7 | | | | |
| Warren | 0 | 36 | | | | | | | |
| Warwick | 1 | 5 | 0 | 0 | 0 | | | | |
| Washington | 0 | 2 | | 0 | 0 | | | | |
| Watertown | 1 | 447 | 25 | 28 | | | | | |
| Wayland | 0 | 94 | 6 | 7 | 0 | | | | |
| Webster | 0 | 184 | 14 | 14 | 10 | | | | |
| Wellesley | 2 | 165 | 5 | 8 | 0 | | | | |
| Wellfleet | 0 | 16 | | | 0 | | | | |
| Wendell | 2 | 6 | 0 | | 0 | | | | |
| Wenham | 0 | 28 | 0 | | 0 | | | | |
| West Boylston | 0 | 52 | | | | | | | |
| West Bridgewater | 1 | 78 | | 5 | | | | | |
| West Brookfield | 0 | 28 | | 0 | | | | | |
| West Newbury | 0 | 36 | 0 | | | | | | |
| West Springfield | 2 | 314 | 18 | 27 | 5 | | | | |
| West Stockbridge | 1 | 10 | 0 | 0 | 0 | | | | |
| West Tisbury | 0 | 27 | | | | | | | |
| Westborough | 1 | 254 | 23 | 37 | 0 | | | | |
| Westfield | 4 | 369 | 24 | 30 | 8 | | | | |
| Westford | 2 | 169 | 16 | 15 | 0 | | | | |
| Westhampton | 1 | 8 | 0 | 0 | 0 | | | | |
| Westminster | 2 | 54 | | | | | | | |
| Weston | 1 | 63 | | | 0 | | | | |
| Westport | 0 | 120 | 8 | 7 | | | | | |
| Westwood | 0 | 120 | 9 | 12 | 0 | | | | |
| Weymouth | 3405 | 631 | 63 | 64 | 5 | | | | |
| Whately | 1 | 19 | 0 | 0 | <u>5</u> | | | | |
| Whitman | 3 | 145 | 10 | 12 | | | | | |
| Wilbraham | 1 | 107 | 9 | 11 | 0 | | | | |
| Williamsburg | 0 | 14 | | | 0 | | | | |
| Williamstown | 0 | 34 | | | 0 | | | | |
| Wilmington | 0 | 234 | 18 | 18 | | | | | |
| Winchendon | 3 | 110 | 8 | 10 | | | | | |
| Winchester | 2194 | 186 | 13 | 7 | 0 | | | | |
| Windsor | 1 | 4 | | | 0 | | | | |
| Winthrop | 0 | 197 | 8 | 15 | | | | | |
| Woburn | 1 | 496 | 39 | 49 | | | | | |
| Worcester | 6014 | 2451 | 197 | 215 | 110 | | | | |

Table 17 (cont'd). Birth Characteristics: Occurrence and Resident Births, Massachusetts Municipalities: 2017

| | | Resident Births ² | | | | | | |
|-------------|-----------------------------------|------------------------------|---|-------------------------------------|------------------------------|--|--|--|
| Community | Occurrence Births ¹ | Number of Births | Low Birthweight (Less than 2,500 grams, 5.5 lbs.) | Preterm (<37 weeks gestation) | Teen Births (15-19 years) | | | |
| Worthington | 1 | 9 | 0 | | 0 | | | |
| Wrentham | 0 | 121 | 5 | | - | | | |
| Yarmouth | 1 | 211 | 14 | 23 | 6 | | | |

^{1.} Births occurring in a geographical place (state, city/town) regardless of the residency of the mother. 2. Births to mothers who report their usual place of residence as a particular geographical place (state, or city/town). See "Note to Readers" for more details. -- Due to small numbers (n=1-4), exact count not provided. This table was updated on June 16, 2020.

Table 18. Birth Characteristics: Occurrence and Resident Births by County, Massachusetts: 2017

| 0 | Occurrence | | Resident Births ² | | | | | |
|-------------|---------------------|------------------|---------------------------------|----------------------|------------------------------|--|--|--|
| County | Births ¹ | Number of Births | Low Birthweight ³ | Preterm ⁴ | Teen Births (15-19 Years) | | | |
| STATE TOTAL | 71,427 | 70,704 | 5,261 | 6,272 | 1,827 | | | |
| BARNSTABLE | 1,209 | 1,547 | 101 | 136 | 38 | | | |
| BERKSHIRE | 868 | 992 | 91 | 89 | 50 | | | |
| BRISTOL | 3,988 | 5,735 | 482 | 540 | 214 | | | |
| DUKES | 148 | 173 | 9 | 11 | 5 | | | |
| ESSEX | 6,914 | 8,655 | 638 | 767 | 298 | | | |
| FRANKLIN | 454 | 557 | 34 | 52 | 18 | | | |
| HAMPDEN | 5,721 | 4,976 | 424 | 495 | 302 | | | |
| HAMPSHIRE | 593 | 1,005 | 72 | 80 | 13 | | | |
| MIDDLESEX | 15,423 | 16,729 | 1,178 | 1,432 | 202 | | | |
| NANTUCKET | 122 | 136 | 7 | 7 | 5 | | | |
| NORFOLK | 3,901 | 7,136 | 499 | 598 | 54 | | | |
| PLYMOUTH | 3,238 | 5,191 | 379 | 471 | 95 | | | |
| SUFFOLK | 20,503 | 9,359 | 761 | 899 | 264 | | | |
| WORCESTER | 8,344 | 8,513 | 586 | 695 | 270 | | | |

^{1.} Births occurring in a geographical place (state, city/town) regardless of the residency of the mother. 2. Births to mothers who report their usual place of residence as a particular geographical place (state, or city/town). See "Note to Readers" for more details. 3. Less than 2,500 grams (5.5 lbs.). 4. Less than 37 weeks gestation 5. Due to small numbers (n=1-4), exact count not provided.

Table 19. Birth Characteristics: Occurrence and Resident Births, Massachusetts Community Health Network Areas (CHNAs), Massachusetts: 2017

| | | | | Resident Births ² | | |
|--|-----------------------------------|------------------|------------------|------------------------------|------------------------------|--|
| Community Health Network Area | Occurrence Births ¹ | Number of Births | LBW ³ | Preterm⁴ | Teen Births (15-19 Years) | |
| STATE TOTAL | 71,427 | 70,704 | 5,261 | 6,272 | 1,827 | |
| Community Health Network of Berkshire County | 868 | 992 | 91 | 89 | 50 | |
| 2. Upper Valley Health Web (Franklin County) | 457 | 720 | 43 | 63 | 27 | |
| 3. Partnership for Health in Hampshire County (Northampton) | 593 | 985 | 70 | 78 | 12 | |
| 4. The Community Health Connection (Springfield) | 5,246 | 3,338 | 285 | 331 | 220 | |
| 5. Community Health Network of Southern Worcester County | 164 | 1,088 | 69 | 81 | 42 | |
| 6. Community Partners for Health (Milford) | 979 | 1,676 | 128 | 138 | 30 | |
| 7. Community Health Network of Greater Metro West (Framingham) | 1,119 | 4,354 | 277 | 394 | 44 | |
| 8. Community Wellness Coalition (Worcester) | 6,025 | 3,659 | 275 | 317 | 120 | |
| 9. Fitchburg/Gardner Community Health Network | 1,184 | 2,561 | 154 | 176 | 82 | |
| 10. Greater Lowell Community Health Network | 2,347 | 3,154 | 259 | 308 | 77 | |
| 11. Greater Lawrence Community Health Network | 2,582 | 2,610 | 210 | 242 | 135 | |
| 12. Greater Haverhill Community Health Network | 693 | 1,495 | 113 | 128 | 40 | |
| 13. Community Health Network North (Beverly/Gloucester) | 2,338 | 1,017 | 62 | 81 | 18 | |
| 14. North Shore Community Health Network | 1,301 | 3,533 | 253 | 316 | 105 | |
| 15. Greater Woburn/Concord/Littleton Community Health Network | 3,452 | 2,020 | 143 | 160 | 6 | |
| 16. North Suburban Health Alliance (Medford/Malden/Melrose) | 866 | 3,461 | 250 | 302 | 33 | |
| 17. Greater Cambridge/Somerville Community Health Network | 3,858 | 3,119 | 193 | 230 | 21 | |
| 18. West Suburban Health Network (Newton/Waltham) | 3,787 | 2,371 | 143 | 194 | 18 | |
| 19. Alliance for Community Health (Boston/Chelsea/Revere/Winthrop) | 20,503 | 9,953 | 797 | 947 | 265 | |
| 20. Blue Hills Community Health Alliance (Greater Quincy) | 3,887 | 4,311 | 318 | 363 | 34 | |
| 21. Four (For) Communities (Holyoke, Chicopee, Ludlow, Westfield) | 473 | 1,600 | 137 | 162 | 82 | |
| 22. Greater Brockton Community Health Network | 2,038 | 2,909 | 228 | 265 | 80 | |
| 23. South Shore Community Partners in Prevention (Plymouth) | 793 | 1,768 | 131 | 173 | 16 | |
| 24. Greater Attleboro-Taunton Health & Education Response | 965 | 2,574 | 193 | 235 | 42 | |
| 25. Partners for a Healthier Community (Fall River) | 1,473 | 1,484 | 118 | 138 | 71 | |
| 26. Greater New Bedford Health & Human Services Coalition | 1,956 | 2,096 | 204 | 207 | 110 | |
| 27. Cape and Islands Community Health Network | 1,479 | 1,856 | 117 | 154 | 47 | |

^{1.} Births occurring in a geographical place (state, city/town) regardless of the residency of the mother. 2. Births to mothers who report their usual place of residence as a particular geographical place (state, city/town). See "Note to Readers" for more details. 3. Less than 2,500 grams (5.5 lbs.). 4. Less than 37 weeks gestation.

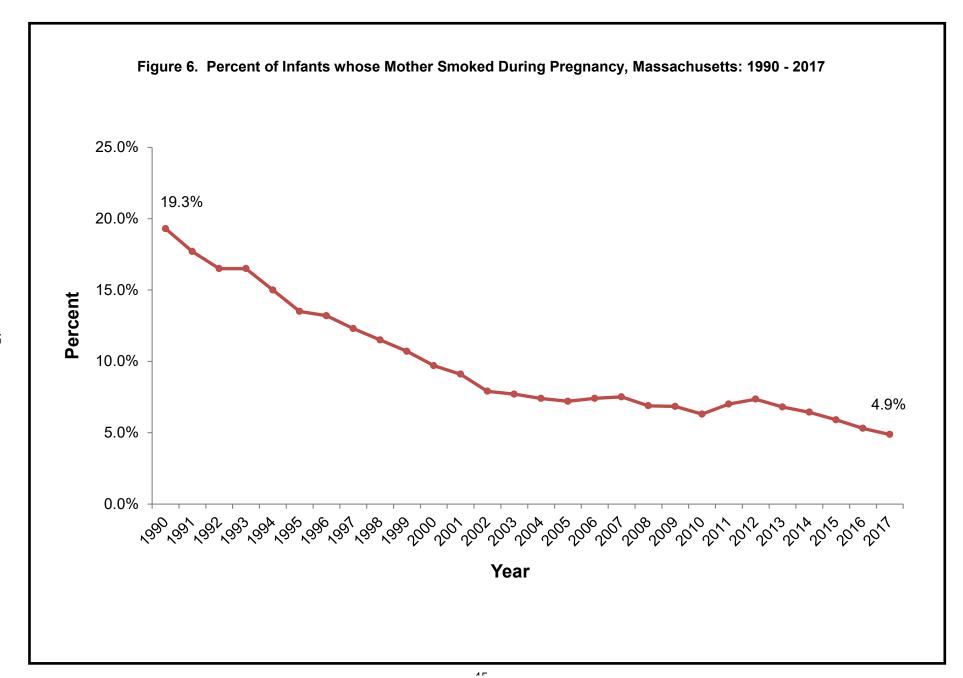


Table 20. Cesarean Deliveries and Vaginal Births after Cesarean (VBACs) by Licensed Maternity Facility¹, All Mothers, Massachusetts: 2017

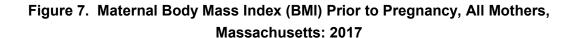
| Facility ² | Occurrence Deliveries ³ | | otal Prima areans Cesarea | | | | | VBACs ³ | |
|--|------------------------------------|--------|------------------------------|--------|------|-------|-------|--------------------|-----------|
| | | N | % ⁴ | N | % | N | % | N | % |
| State Total | 70,116 | 21,639 | 30.9 | 12,057 | 20.5 | 9,582 | 85.7 | 1,596 | 14.3 |
| Anna Jaques Hospital | 676 | 202 | 29.9 | 115 | 20.0 | 87 | 85.3 | 15 | 14.7 |
| Baystate Franklin Medical Center | 432 | 120 | 27.8 | 77 | 20.2 | 43 | 86.0 | 7 | 14.0 |
| Baystate Medical Center | 3,810 | 1,328 | 34.9 | 733 | 23.7 | 595 | 83.5 | 118 | 16.5 |
| Berkshire Medical Center | 722 | 158 | 21.9 | 93 | 14.6 | 65 | 78.3 | 18 | 21.7 |
| Beth Israel Deaconess Hospital - Plymouth | 775 | 237 | 30.6 | 135 | 20.5 | 102 | 87.9 | 14 | 12.1 |
| Beth Israel Deaconess Medical Center | 4,983 | 1,503 | 30.2 | 913 | 21.4 | 590 | 83.2 | 119 | 16.8 |
| Beverly Hospital | 2,222 | 627 | 28.2 | 329 | 17.5 | 298 | 86.4 | 47 | 13.6 |
| Boston Medical Center | 2,841 | 887 | 31.2 | 516 | 21.8 | 371 | 78.9 | 99 | 21.1 |
| Brigham And Women's Hospital | 6,213 | 2,049 | 33.0 | 1,304 | 24.3 | 745 | 87.3 | 108 | 12.7 |
| Brockton Hospital | 964 | 232 | 24.1 | 107 | 13.2 | 125 | 81.2 | 29 | 18.8 |
| Cambridge Hospital | 1,080 | 275 | 25.5 | 147 | 16.0 | 128 | 79.0 | 34 | 21.0 |
| Cape Cod Hospital | 821 | 247 | 30.1 | 135 | 19.4 | 112 | 88.9 | 14 | 11.1 |
| Charlton Memorial Hospital | 1,448 | 474 | 32.7 | 202 | 17.2 | 272 | 98.9 | 5 | 5 |
| Cooley Dickinson Hospital | 571 | 154 | 27.0 | 89 | 18.4 | 65 | 73.9 | 23 | 26.1 |
| Emerson Hospital | 1,231 | 428 | 34.8 | 228 | 22.9 | 200 | 85.5 | 34 | 14.5 |
| Fairview Hospital | 115 | 27 | 23.5 | 18 | 17.0 | 9 | 100.0 | 0 | 0.0 |
| Falmouth Hospital | 366 | 143 | 39.1 | 77 | 25.8 | 66 | 98.5 | 5 | 5 |
| Good Samaritan Medical Center | 1,032 | 366 | 35.5 | 165 | 20.6 | 201 | 86.6 | 31 | 13.4 |
| Harrington Memorial Hospital | 155 | 57 | 36.8 | 41 | 29.5 | 16 | 100.0 | 0 | 0.0 |
| HealthAlliance Hospital | 759 | 197 | 26.0 | 119 | 17.6 | 78 | 94.0 | 5 | 6.0 |
| Heywood Hospital | 389 | 68 | 17.5 | 34 | 9.8 | 34 | 82.9 | 7 | 17.1 |
| Holy Family Hospital and Medical Center | 1,115 | 466 | 41.8 | 238 | 27.0 | 228 | 97.9 | 5 | 2.1 |
| Holyoke Medical Center | 461 | 111 | 24.1 | 53 | 13.5 | 58 | 84.1 | 11 | 15.9 |
| Lawrence General Hospital | 1,422 | 466 | 32.8 | 187 | 16.6 | 279 | 95.2 | 14 | 4.8 |
| Lowell General Hospital | 2,304 | 761 | 33.0 | 391 | 20.7 | 370 | 88.7 | 47 | 11.3 |
| Martha's Vineyard Hospital | 143 | 54 | 37.8 | 31 | 25.8 | 23 | 100.0 | 0 | 0.0 |
| Massachusetts General Hospital | 3,683 | 1,044 | 28.3 | 613 | 19.6 | 431 | 78.4 | 119 | 21.6 |
| Melrose-Wakefield Hospital | 833 | 260 | 31.2 | 130 | 18.6 | 130 | 97.7 | 5 | 5 |
| Mercy Medical Center | 1,282 | 388 | 30.3 | 208 | 19.3 | 180 | 89.1 | 22 | 10.9 |
| Metro West Medical Center | 1,086 | 379 | 34.9 | 185 | 21.1 | 194 | 93.3 | 14 | 6.7 |
| Milford Regional Medical Center | 955 | 329 | 34.5 | 166 | 21.2 | 163 | 94.8 | 9 | 5.2 |
| Morton Hospital | 270 | 103 | 38.1 | 59 | 26.1 | 44 | 100.0 | 0 | 0.0 |
| Mt. Auburn Hospital | 2,617 | 612 | 23.4 | 413 | 17.7 | 199 | 70.6 | 83 | 29.4 |
| Nantucket Cottage Hospital | 120 | 39 | 32.5 | 24 | 22.9 | 15 | 100.0 | 0 | 0.0 |
| Newton-Wellesley Hospital | 3,711 | 1,151 | 31.0 | 716 | 22.3 | 435 | 85.8 | 72 | 14.2 |

Table 20 (cont'd). Cesarean Deliveries and Vaginal Births after Cesarean (VBACs) by Licensed Maternity Facility¹, All Mothers, Massachusetts: 2017

| North Shore Medical Center - Salem Hospital | 1,265 | 369 | 29.2 | 197 | 18.5 | 172 | 84.7 | 31 | 15.3 |
|--|-------|-------|------|-----|------|-----|-------|-----|------|
| Norwood Hospital | 460 | 153 | 33.3 | 74 | 20.2 | 79 | 84.0 | 15 | 16.0 |
| Saint Vincent Hospital | 1,756 | 589 | 33.5 | 339 | 23.3 | 250 | 83.6 | 49 | 16.4 |
| South Shore Hospital | 3,326 | 1,116 | 33.6 | 590 | 21.7 | 526 | 86.4 | 83 | 13.6 |
| St. Elizabeth's Medical Center | 895 | 326 | 36.4 | 185 | 25.3 | 141 | 86.5 | 22 | 13.5 |
| St. Luke's Hospital | 1,517 | 463 | 30.5 | 214 | 17.0 | 249 | 97.3 | 7 | 2.7 |
| Sturdy Memorial Hospital | 675 | 215 | 31.9 | 101 | 18.5 | 114 | 87.7 | 16 | 12.3 |
| Tobey Hospital | 400 | 73 | 18.3 | 43 | 11.6 | 30 | 100.0 | 0 | 0.0 |
| Tufts Medical Center | 1,293 | 443 | 34.3 | 259 | 24.8 | 184 | 74.5 | 63 | 25.5 |
| UMass Memorial Medical Center | 4,121 | 1,249 | 30.3 | 669 | 19.6 | 580 | 81.5 | 132 | 18.5 |
| Winchester Hospital | 2,150 | 701 | 32.6 | 395 | 21.8 | 306 | 89.5 | 36 | 10.5 |

NOTE: This table is based on mothers and not births. All percentages are calculated based on only those <u>mothers</u> with known values for the characteristic(s) of interest

^{1.} Birth centers are not included in this table. 2. A licensed maternity facility is a medical unit licensed by the Commonwealth for the care of women during pregnancy and childbirth. 3. The percentages provided in this table are based on occurrence births, and may differ from data that are based on resident births presented elsewhere in this book. 4. The percentage of Cesarean births reported is not adjusted for risk factors such as mother's age, birthweight, or complications of labor and delivery, which would influence the number of procedures in a particular facility. Caution should be used when comparing unadjusted percentages. 5. Calculations based on values of 1-4 are excluded.



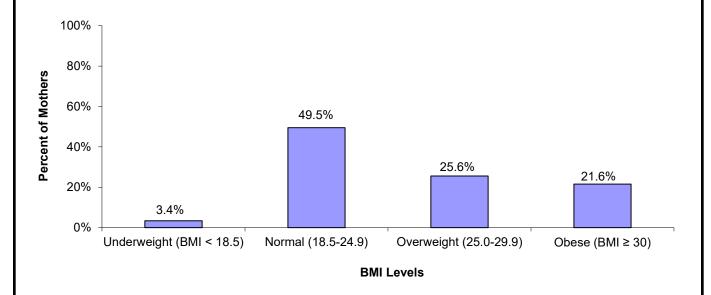
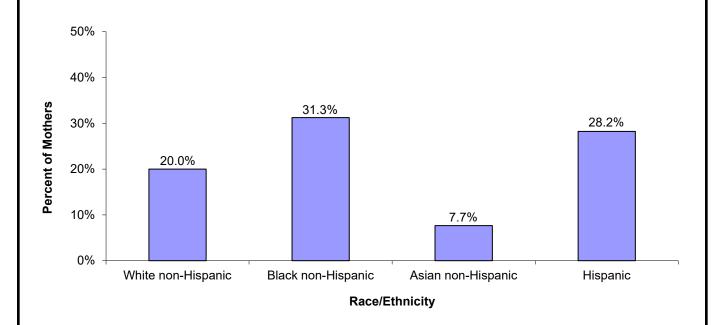


Figure 8. Obesity Prior to Pregnancy by Race/Hispanic Ethnicity, All Mothers, Massachusetts: 2017



NOTE: These figures are based on mothers and not births.

Figure 9. Mothers Who Reported Having Their Teeth Cleaned During Pregnancy by Race/Hispanic Ethnicity, All Mothers, Massachusetts: 2017

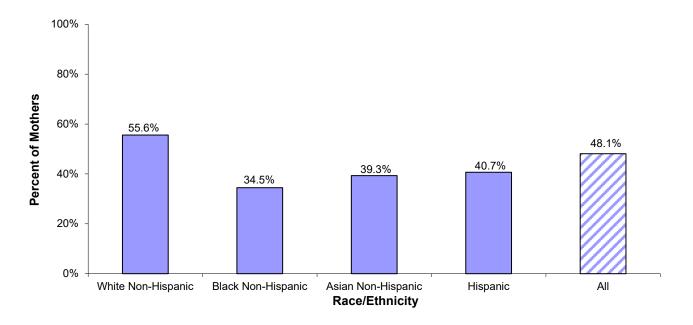


Figure 10. Mothers Who Reported Having Received WIC Food During Pregnancy by Race/Hispanic Ethnicity, All Mothers, Massachusetts: 2017

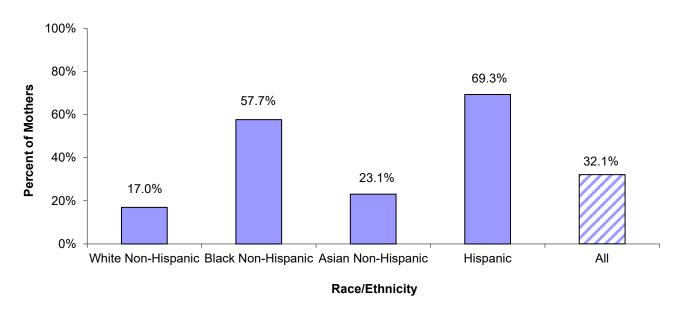
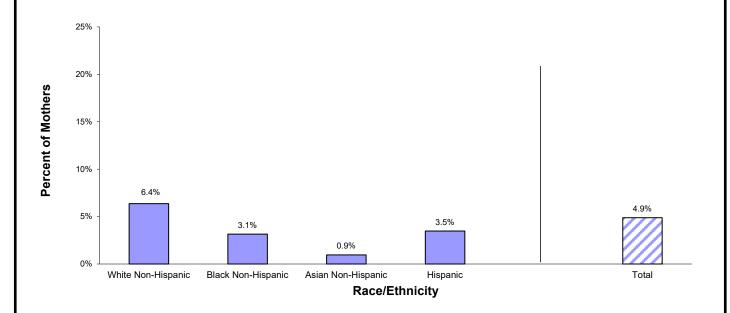


Figure 11. Mothers Who Reported Smoking During Pregnancy by Race/Hispanic Ethnicity, All Mothers, Massachusetts: 2017



NOTE: This figure is based on mothers and not births.

Table 21. Mothers Who Used Infertility Treatments, Massachusetts: 2017

| Table 21. Wolling | EIS WIND OS | eu iiiieriiiity | Treatments, wassachusetts. 2017 | | | | | |
|---|-----------------------------------|--|--|----------------|--|----------------|--|--|
| | Technology without Insemina | teproductive (ART) with or Artificial tion and/or y Drugs¹ | Artificial Insemination with or without Fertility Drugs ² | | Fertility Enhancing Drugs Only ³ | | | |
| | N | % ⁴ | N | % ⁴ | N | % ⁴ | | |
| State total | 2,419 | 70.7% | 547 | 16.0% | 457 | 13.4% | | |
| | Ma | aternal Demogi | raphics | • | | | | |
| Race/Hispanic Ethnicity | N | % ⁵ | N | % ⁵ | N | % ⁵ | | |
| White Non-Hispanic | 1,848 | 77.6% | 416 | 76.9% | 343 | 75.9% | | |
| Black Non-Hispanic | 100 | 4.2% | 21 | 3.9% | 19 | 4.2% | | |
| Asian Non-Hispanic | 269 | 11.3% | 62 | 11.5% | 57 | 12.6% | | |
| Hispanic | 152 | 6.4% | 41 | 7.6% | 31 | 6.9% | | |
| Other Non-Hispanic | 13 | 0.5% | 9 | 9 | 9 | 9 | | |
| Birthplace | | 2.370 | | | 1 | | | |
| US States / D.C. / US Terr. | 1,854 | 76.6% | 426 | 77.9% | 348 | 76.1% | | |
| Non-US-born | 565 | 23.4% | 121 | 22.1% | 109 | 23.9% | | |
| Prenatal care funding | 000 | 20.170 | 121 | 22.170 | 1.00 | 20.070 | | |
| Public | 165 | 6.8% | 48 | 8.8% | 56 | 12.4% | | |
| Private, other | 2,252 | 93.2% | 497 | 91.2% | 397 | 87.6% | | |
| Age | 2,202 | 30.270 | 401 | 31.270 | 001 | 07.070 | | |
| 20-29 | 170 | 7.0% | 69 | 12.6% | 86 | 18.8% | | |
| 30-34 | 779 | 32.2% | 215 | 39.3% | 222 | 48.6% | | |
| 35-39 | 975 | 40.3% | 209 | 38.2% | 116 | 25.4% | | |
| 40+ | 494 | 20.4% | 54 | 9.9% | 33 | 7.2% | | |
| | Pre | gnancy-Related | l Factors | | | | | |
| Adequacy of Prenatal Care ⁶ | | | | | | | | |
| Adequate Total ⁷ | 1,753 | 88.9% | 411 | 89.2% | 322 | 86.6% | | |
| Adequate Intensive | 1,126 | 57.1% | 259 | 56.2% | 191 | 51.3% | | |
| Adequate Basic | 627 | 31.8% | 152 | 33.0% | 131 | 35.2% | | |
| Intermediate | 76 | 3.9% | 14 | 3.0% | 16 | 4.3% | | |
| Inadequate/None | 143 | 7.3% | 36 | 7.8% | 34 | 9.1% | | |
| Parity ⁸ | | | | | | | | |
| 1 | 1,485 | 61.5% | 388 | 70.9% | 298 | 65.2% | | |
| 2 | 737 | 30.5% | 119 | 21.8% | 117 | 25.6% | | |
| 3+ | 191 | 7.9% | 40 | 7.3% | 42 | 9.2% | | |
| | - | Birth Outcon | | | I | | | |
| Gestational age | | | | | | | | |
| <28 weeks (extremely preterm) ¹⁰ | 21 | 0.9% | 9 | 9 | 5 | 1.1% | | |
| <37 weeks (preterm) ¹⁰ | 368 | 15.2% | 85 | 15.5% | 60 | 13.1% | | |
| 37+ | 2,051 | 84.8% | 462 | 84.5% | 397 | 86.9% | | |
| Plurality | 2,301 | 31.070 | 102 | 0 1.0 /0 | | 33.070 | | |
| Singleton | 2,150 | 88.9% | 504 | 92.1% | 411 | 89.9% | | |
| Multiple birth | 269 | 11.1% | 43 | 7.9% | 46 | 10.1% | | |

NOTE: Beginning in 2014, questions about fertility assistance were asked on both the hospital and mother's worksheets. This table shows combined data from both sources. While asking mothers has increased reporting, it is known that these treatments are still underreported. As such, these numbers should be interpreted with caution. All percentages are calculated based only on mothers with known values for the characteristic(s) of interest, unless otherwise stated. Often women use more than one method of treatment, and the categories presented are mutually exclusive.

NOTE: This table is based on unique mothers and not births.

^{1.} This category includes all women who used ART (typically IVF) and those who used any additional treatments. 2. This category includes women who used artificial insemination (including intrauterine insemination) and those who used fertility drugs in addition. 3. This category includes women who only used fertility drugs. 4. For state total row, percentages are based on total births where infertility treatment was present. 5. Percent is based on state total of the treatment methods. 6. Based on Adequacy of Prenatal Care Utilization (APNCU) Index. Does not include data from Newton Wellesley, Saint Vincent and Winchester hospitals because of reporting problems. 7. Adequate Total = Adequate Basic + Adequate Intensive. 8. Number of live births including the current birth. 9. Numbers and calculations based on 1-4 events are excluded. 10. Categories are not mutually exclusive so percent will add to more than 100%.

Technical Notes

Data Cautions

Limitations of small numbers:

Cells in some tables in this publication, and particularly those tables specific to individual cities and towns, contain small numbers. Rates and proportions based on fewer than five observations are suppressed, and trends based upon small numbers should be interpreted cautiously.

Differences with previously published data:

Numbers and rates in this publication may differ from those in previous reports because of updated birth data, or release of the most up-to-date population estimates for a given year (see Population Denominators for details on population files).

Self-reported data:

Many statistics reported in this publication, such as maternal smoking, education, and race/ethnicity are *self-reported*, and are subject to the usual limitations of this type of information.

Changes in the Collection of Race/Ethnicity Information

The 2003 revision of the Standard Certificate of Live Birth allows the reporting of more than one race (multiple races) for each parent in accordance with the revised standards issued by the Office of Management and Budget (OMB) in 1997.

The revised standards incorporated two major changes designed to reflect the changing racial and ethnic profile of the United States. First, the revision increased from five to twelve the minimum set of categories to be used for identification of race. The twelve categories for race specified in the 1997 standards are: American Indian or Alaska Native, Asian, Black, Guamanian or Chamorro, Hispanic/Latino/Black, Hispanic/Latino/White, Hispanic/Latino/Other, Native Hawaiian, Samoan, White, Other Pacific Islander and Other. The revised standards called for reporting of Asians separately from Native Hawaiians. Samoan or Other Pacific Islanders.

The revised standards require federal data collection programs to allow respondents to select *one* or more race categories. In order to provide uniformity and comparability of the data during the transition period, before multiple-race data are available for all reporting areas, it is necessary to "bridge" the responses of those who reported more than one race to a single-race. The method used to bridge responses for those who report more than one race to a single race is based on a procedure whereby multiple races are assigned to the smallest minority group first (i.e. Asian and White becomes Asian or Black and Native American becomes Native American). All multiple races that include Hispanic will be assigned as Hispanic and this group also includes all respondents who reported Hispanic ethnicities as well.

The revised standards also require federal data collection programs to allow respondents to select *one or more ancestry categories*. The method used to bridge responses for those who report more than one ancestry is based on a procedure whereby multiple ancestries are assigned to each of the ancestries listed.

The following table is from the Parent Worksheet for the birth certificate, which is the self-reported information we use to report on mother's race and ancestry.

2003 Revision

Mother/Parent Race

Please indicate your race(s). You may choose more than one.

| ☐ American Indian/Alaska Native (specify tribal nation): | ☐ Hispanic/Latina/Other (specify): |
|--|---|
| | ☐ Native Hawaiian |
| Asian | ☐ Samoan |
| Black | □ White |
| ☐ Guamanian or Chamorro | ☐ Other Pacific Islander (specify): |
| ☐ Hispanic/Latina/Black | ☐ Other race not listed (specify): |
| ☐ Hispanic/Latina/White | |
| | |
| | |
| | |
| Mother/Parent Ethnicity | |
| Please indicate your ethnic background(s). You | mav choose more than one. |
| | |
| African (specify): | ☐ Japanese |
| African-American | ☐ Korean |
| ☐ American | Laotian |
| ☐ Asian Indian | ☐ Mexican, Mexican American, Chicano |
| ☐ Brazilian | ☐ Middle Eastern (specify): |
| ☐ Cambodian | ☐ Native American (specify tribal nation(s)): |
| ☐ Cape Verdean | ☐ Portuguese |
| Caribbean Islander (specify): | ☐ Puerto Rican |
| Chinese | Russian |
| ☐ Colombian | Salvadoran |
| ☐ Cuban | ☐ Vietnamese |
| ☐ Dominican | Other Asian (specify): |
| ☐ European (specify): | Other Central American (specify): |
| ☐ Filipino | Other Pacific Islander (specify): |
| ☐ Guatemalan | Other Portuguese (specify): |
| ☐ Haitian | Other South American (specify): |
| ☐ Honduran | Other ethnicity (ies) not listed (specify): |

| OTHER'S RACE | Please mark the one category the | nat best describes the mother's race: |
|--|--|---|
| □ White □ | Black ☐ Asian/Pacific Islander | ☐ American Indian ☐ Other (specify) |
| thnic heritage: | STRY Please mark the <i>one</i> cate | gory that <i>best describes</i> the mother's ancestry |
| HISPANIC/LATINA 1 | 7 ☐ Other Central American (specify) 8 ☐ Other South American (specify) 9 ☐ Other Hispanic/Latina (specify): | AFRICAN/AFRICAN AMERICAN 29 African-American/ Afro-American 30 Nigerian 31 Other African specify): MIDDLE EASTERN 32 Lebanese |
| 11 Vietnamese 1 12 Cambodian 1 13 Asian Indian 2 | ANDER 17 | 33 Iranian 34 Israeli 35 Other Middle Eastern (specify): AMERICAN ANCESTRY 36 Native American/ American Indian (specify tribe/affiliation): 37 American |
| PORTUGUESE SPE 22 Cape Verdean 23 Brazilian | AKING 24⊡Other Portuguese (specify): | EUROPEAN and OTHER ancestries 38 European (specify): |
| WEST INDIAN/CARI 25 ☐ Haitian 2 26 ☐ Jamaican 27 ☐ Barbadian | BBEAN ISLANDER 28⊡OtherWest Indian/Caribbean Islander (specify): | 39 Other (specify): |

Table A1. 2017 Massachusetts Population Estimates by Age Group, Gender, Race/Hispanic Ethnicity (mutually exclusive)

| | | | city (inutually e | | | | | |
|----------------|--------------------|------------------------|------------------------|--|------------------------|-----------------------|--|--|
| Age Group | Total ¹ | White Non- Hispanic | Black Non- Hispanic | Native American Non- Hispanic | Asian Non- Hispanic | Hispanic ² | | |
| Female | | | | | | | | |
| 0 to 4 | 176,589 | 107,664 | 17,650 | 406 | 13,832 | 37,037 | | |
| 5 to 9 | 180,974 | 114,131 | 17,935 | 477 | 14,137 | 34,294 | | |
| 10 to 14 | 191,473 | 125,803 | 17,836 | 463 | 14,043 | 33,328 | | |
| 15 to 19 | 226,569 | 153,315 | 20,015 | 533 | 18,054 | 34,652 | | |
| 20 to 24 | 247,031 | 165,430 | 22,387 | 602 | 22,815 | 35,797 | | |
| 25 to 29 | 247,423 | 163,836 | 22,383 | 614 | 25,039 | 35,551 | | |
| 30 to 34 | 237,813 | 160,352 | 19,856 | 496 | 25,212 | 31,897 | | |
| 35 to 39 | 218,232 | 146,011 | 18,353 | 426 | 22,223 | 31,219 | | |
| 40 to 44 | 204,744 | 139,885 | 16,997 | 388 | 19,727 | 27,747 | | |
| 45 to 49 | 234,305 | 172,835 | 17,732 | 515 | 17,962 | 25,261 | | |
| 50+ | 1,364,301 | 1,140,261 | 77,763 | 2,783 | 60,673 | 82,821 | | |
| All Females | 3,529,454 | 2,589,523 | 268,907 | 7,703 | 253,717 | 409,604 | | |
| 1 01114100 | | | Male | | | | | |
| 0 to 4 | 183,999 | 112,563 | 18,463 | 419 | 14,525 | 38,029 | | |
| 5 to 9 | 189,325 | 119,473 | 19,295 | 460 | 14,759 | 35,338 | | |
| 10 to 14 | 198,877 | 131,709 | 18,785 | 483 | 14,126 | 33,774 | | |
| 15 to 19 | 228,388 | 154,478 | 20,491 | 511 | 16,452 | 36,456 | | |
| 20 to 24 | 247,129 | 164,514 | 22,770 | 650 | 20,331 | 38,864 | | |
| 25 to 29 | 252,198 | 165,970 | 23,316 | 687 | 23,435 | 38,790 | | |
| 30 to 34 | 236,497 | 159,572 | 19,480 | 519 | 22,635 | 34,291 | | |
| 35 to 39 | 212,403 | 142,376 | 17,750 | 436 | 19,844 | 31,997 | | |
| 40 to 44 | 195,122 | 135,097 | 16,026 | 411 | 17,944 | 25,644 | | |
| 45 to 49 | 220,837 | 165,058 | 15,860 | 503 | 16,558 | 22,858 | | |
| 50+ | 1,165,590 | 979,600 | 63,358 | 2,587 | 52,331 | 67,714 | | |
| All Males | 3,330,365 | 2,430,410 | 255,594 | 7,666 | 232,940 | 403,755 | | |
| | | | | | | | | |
| 0 to 4 | 360,588 | 220,227 | 36,113 | 825 | 28,357 | 75,066 | | |
| 5 to 9 | 370,299 | 233,604 | 37,230 | 937 | 28,896 | 69,632 | | |
| 10 to 14 | 390,350 | 257,512 | 36,621 | 946 | 28,169 | 67,102 | | |
| 15 to 19 | 454,957 | 307,793 | 40,506 | 1,044 | 34,506 | 71,108 | | |
| 20 to 24 | 494,160 | 329,944 | 45,157 | 1,252 | 43,146 | 74,661 | | |
| 25 to 29 | 499,621 | 329,806 | 45,699 | 1,301 | 48,474 | 74,341 | | |
| 30 to 34 | 474,310 | 319,924 | 39,336 | 1,015 | 47,847 | 66,188 | | |
| 35 to 39 | 430,635 | 288,387 | 36,103 | 862 | 42,067 | 63,216 | | |
| 40 to 44 | 399,866 | 274,982 | 33,023 | 799 | 37,671 | 53,391 | | |
| 45 to 49 | 455,142 | 337,893 | 33,592 | 1,018 | 34,520 | 48,119 | | |
| 50+ | 2,529,891 | 2,119,861 | 141,121 | 5,370 | 113,004 | 150,535 | | |
| State Total | 6,859,819 | 5,019,933 | 524,501 | 15,369 | 486,657 | 813,359 | | |

^{1.} National Center for Health Statistics. Postcensal estimates of the resident population of the United States for July 1, 2010-July 1, 2017, by year, county, single-year of age (0, 1, 2, ..., 85 years and over), bridged race, Hispanic origin, and sex (Vintage 2016). Prepared under a collaborative arrangement with the U.S. Census Bureau. Available from: https://www.cdc.gov/nchs/nvss/bridged race.htm as of June 2018, following release by the U.S. Census Bureau of the unbridged Vintage 2016 postcensal estimates by 5-year age.

2. Persons of Hispanic ethnicity are NOT included in the race categories.

2.1 olocilo el mopalito calimon, alcuno i melados in alcuno calegorios.

These estimates are used to calculate statewide population based rates published in this report.