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March 22, 2016

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

William F. Welch 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 2015 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 2015

March 2017



Massachusetts Department of Public Health

Massachusetts Births 2015



Massachusetts Department of Public Health Registry of Vital Records and Statistics

December 2016

Massachusetts Births 2015

Charles D. Baker, Governor Marylou Sudders, Secretary of Health and Human Services Monica Bharel, MD, MPH, Commissioner of Public Health

> Dean DiMartino, Acting Registrar Registry of Vital Records and Statistics

Massachusetts Department of Public Health

December 2016

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Data in this report has been collected through the efforts of the Registry of Vital Records and Statistics staff, including: Tara Andrews, Michael Baker, June Deloney, Alex Forman, Marta Mercado, Margaret Riley and Carina Veliz.

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

or

Massachusetts Department of Public Health Office of Data Management and Outcomes Assessment 250 Washington Street, 6th floor Boston, MA 02108

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: <u>http://www.mass.gov/eohhs/researcher/community-health/masschip/</u>

or call 888-MAS-CHIP (toll free in MA) or 617-624-5629.

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Note to Readers

Please review the information below before reading the report. As required by Chapter 111, Section 2 of the General Laws, this report satisfies the requirement of the annual report on statistics on births for calendar year 2015 (Annual Report Vital Statistics of Massachusetts-Births, Public Document #1 2015). Public Document #1 information on 2015 deaths, marriages, and divorces is covered in separate reports.

- 1. **Population Sources.** We have used two population files based upon the 2010 Census for denominators in rate calculations:
 - The 2015 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</u> <u>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 <u>city, town, and other substate rates</u>. In this file, the Census 2010 race categories, "Two or more races" and "Some other race" are redistributed to the MDPH standard race categories: Non-Hispanic White, Non-Hispanic Black, Non-Hispanic Asian and Pacific Islander, and Non-Hispanic American Indian and Alaska Native. 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 2014, the rates listed may **overestimate** the actual rate. If the population in your community declined from 2010 to 2015, 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, 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 2015, 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. Mothers. Please note that Tables 18-19 and Figures 6-9 are based on mothers and not births.

Suggested Citation

Massachusetts Births 2015 Boston, MA: Registry of Vital Records and Statistics, Massachusetts Department of Public Health. December 2016.

Selected Takeaways

- In 2015, there were 71,484 births to Massachusetts resident mothers, a decline of 0.5% from 71,867 in 2014 and a decline of 22.7% since 1990. In 2015, the number of births to mothers under the age of 30 (2015 28,890; 2014 29,858) decreased by 3.2% whereas the number of births to mothers ages 30 and older increased by 1.4% from 2014 (2015 42,594, 2014 42,009).
- The proportion of births to White mothers declined by 1.5% (from 61.4% in 2014 to 60.5% in 2015) and the proportion of births to Hispanic mothers increased by 2.8% (from 17.6% in 2014 to 18.1% in 2015). The proportion of births to Asian mothers increased by 2.2% (from 8.9% in 2014 to 9.1% in 2015).
- In 2015, the percentage of mothers who breastfed or intended to breastfeed at the time of discharge reached a record high of 87.0%, a 1.5% increase from 2014. Breastfeeding rates were highest among Asian mothers (91.7%) and Black mothers (87.9%) and lower among Hispanic mothers (86.7%) and White mothers (86.2%).
- In 2015, the cesarean delivery rate was 31.4% comparable with the 2014 figure of 31.6% but lower than the percentage for the US1 (31.4% vs 32.0%). Asian and Hispanic mothers continue to have the lowest cesarean delivery rates (29.3% and 30.4%, respectively), while Black mothers continue to have the highest rate (35.2%).
- The 2015 teen birth rate in Massachusetts decreased again for the fifth year in a row. In 2011 the teen birth rate was at 15.4 births per 1,000 women ages 15 19, and in 2015 the rate was at 9.4 births per 1,000 women age 15 19. While this is a significant decrease in a five year time period, disparities remain, with Hispanic teen birth rate more than seven times that of White non-Hispanic teens.
- The percentage of mothers who had their prenatal care financed through public programs decreased from 2014. In 2014 the percentage was 42.9% but in 2015 it decreased to 38.3%.
- The percentage of Black non-Hispanic mothers who had adequate prenatal care decreased to 69.3%, the lowest it has ever been in 20 years.
- The percentage of low birthweight (LBW) infants (less than 2,500 grams or 5.5 pounds) in 2015 remained unchanged when compared to 2014 births (2014: 7.5%; 2015: 7.5%).
- Gestational diabetes was somewhat higher in 2015 (6.0%) than in 2014 (5.4%).
- There was a decrease of multiple births in 2015. The percentage of twin births in 2015 was 3.7% in comparison to 4.2% in 2014. Triplets or more stayed the same at 0.1% for both 2014 and 2015, making the percentages for total multiples 4.3% for 2014 and 3.8% for 2015. Women 35+ years continue to have higher multiple births compared to women <35 years.
- Smoking during pregnancy decreased in 2015. The percentage of mothers that reported smoking during their pregnancy in 2015 was 5.5% compared to 6.4% in 2014. Perinatal smoking was disproportionately higher among White non-Hispanic mothers.

¹ https://www.cdc.gov/nchs/data/databriefs/db258.pdf

Martin JA, Hamilton BE, Osterman MJK. Births in the United States, 2015. NCHS data brief, no 258. Hyattsville, MD: National Center for Health Statistics. 2016.

| Characteristic | | 1990 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |
|---------------------------------------|------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Births ¹ | n² | | | | | | | | | | | | 73,169 | | | | |
| Births | n Rate ³ | 92,461 62.1 | 81,014 56.6 | 80,624 56.8 | 80,167 56.8 | 78,460 56.2 | 76,824 55.6 | 77,670 56.9 | 77,934 57.2 | 76,969 56.5 | 74,966 55.1 | 72,835 53.7 | 73,169 54.1 | 72,457 53.3 | 71,618 52.5 | 71,867 52.1 | 71,484 52.0 |
| Race of Mother | Rate | 02.1 | 0.00 | 0.00 | 0.00 | 50.Z | 0.66 | 20.9 | 57.2 | 50.5 | 55.1 | 53.7 | 54.1 | 53.5 | 52.5 | 52.1 | 52.0 |
| | | 72.483 | 59,115 | 58,136 | 57.604 | 55,322 | 53,469 | 52,975 | 52.620 | 51.760 | 49.759 | 48,466 | 45 072 | 45,032 | 44,432 | 44.128 | 10 055 |
| White non-Hispanic | n %⁴ | 72,463 | 59,115 73.0 | 56,136 72.1 | 57,604 71.9 | 55,322 70.5 | 53,469 69.6 | 52,975 68.2 | 52,620 67.5 | 67.2 | 49,759 66.4 | 40,400 66.5 | 45,973 62.8 | 45,032 62.1 | 44,432 62.0 | 44,120 61.4 | 43,255 60.5 |
| Plack non Hisponia | | - | 73.0 5,862 | 72.1 5,948 | - | 6,053 | | 6,452 | 6,462 | 6,652 | | | | 6,892 | | - | |
| Black non-Hispanic | n %⁴ | 7,158 7.7 | 5,662 7.2 | 5,946 7.4 | 5,902 7.4 | 6,053 7.7 | 6,077 7.9 | 6,452 8.3 | 6,462 8.3 | 0,052 8.6 | 6,945 9.3 | 6,794 9.3 | 6,999 9.6 | 0,892 9.5 | 7,016 9.8 | 7,071 9.8 | 6949 9.7 |
| Acion | | 7.7 3,349 | 7.2 4.784 | 7.4 5.300 | 7.4 5.224 | 7.7 5.454 | 7.9 5,251 | 8.3 5,469 | 8.3 5.758 | 8.6 5,958 | 9.3 5,939 | 9.3 5,817 | 9.6 6.022 | 9.5 6,530 | 9.8 6,220 | 9.8 6.426 | 9.7 6,473 |
| Asian | n %⁴ | , | , - | - , | - / | -, - | , | , | -, | , | , | , | - / - | , | , | -, - | , |
| Llianania | | 3.6 8,406 | 5.9 | 6.6 9,543 | 6.5 9,764 | 7.0 9,798 | 6.8 10,061 | 7.0 10,696 | 7.4 10,861 | 7.7 10,895 | 7.9 10,986 | 8.0 | 8.2 12,777 | 9.0 13,088 | 8.7 12,315 | 8.9 | 9.1 |
| Hispanic | n %⁴ | , | 9,410 | , | , | , | , | , | , | , | , | 10,588 | , | , | , | 12,670 | 12,927 |
| | 70 | 9.1 | 11.6 | 11.8 | 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 |
| Teen Births | n | 7,258 | 4,979 | 4,642 | 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 |
| (Ages 15-19) | Rate ³ | 35.4 | 24.9 | 23.3 | 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 |
| (| | | 20 | 2010 | 2010 | | | 20 | | 2011 | | | | | | | 011 |
| Births to Unmarried | n | 22,837 | 21,620 | 21,604 | 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 |
| | % | 24.7 | 26.7 | 26.8 | 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 |
| Cesarean Deliveries | n | 20,615 | 20,639 | 22,553 | 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 |
| | % | 22.3 | 25.5 | 28.0 | 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 |
| | 70 | 22.0 | 20.0 | 20.0 | 20.2 | 01.0 | 02.0 | 00.1 | 00.1 | 01.0 | 00.0 | 00.0 | 02.0 | 0111 | 01.0 | 01.0 | 0111 |
| Gestational Diabetes ⁵ | n | | 2,402 | 2,633 | 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 |
| | % | | 3.0 | 3.3 | 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 |
| Low Birthweight ⁶ | n | 5,388 | 5,795 | 6,060 | 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 |
| | % | 5.8 | 7.2 | 7.5 | 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 |
| Preterm ⁷ | n | 5,899 | 6,412 | 6,795 | 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 |
| Treterin | % | 6.5 | 8.0 | 8.5 | 8.7 | 9.2 | 9.0 | 9.0 | 9.0 | 8.8 | 8.7 | 8.6 | 8.4 | 8.6 | 0,500 8.8 | 8.6 | 8.4 |
| | 70 | 0.5 | 0.0 | 0.5 | 0.7 | 5.2 | 5.0 | 5.0 | 5.0 | 0.0 | 0.7 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.4 |
| Late Preterm ⁸ | n | 3,977 | 4,428 | 4,726 | 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 |
| | % | 4.4 | 5.5 | 5.9 | 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 |
| Prenatal Care | | | | | | | | | | | | | | | | | |
| Public Pay Prenatal Care ⁹ | % | 25.1 | 27.2 | 27.9 | 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 |
| APNCU Index ¹⁰ | % | | 85.2 | 84.7 | 84.5 | 84.2 | 84.0 | 83.1 | 82.8 | 82.1 | 84.3 | 84.9 | 82.8 | 83.4 | 83.7 | 82.6 | 77.7 |
| Adjusted APNCU Index ¹¹ | % | | | | | | | | | | | | 85.3 | 85.4 | 84.5 | 83.1 | 81.8 |

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. 4. Percentages are calculated based on births, including those to mothers of unknown race. 5. Gestational diabetes is defined as glucose intolerance found for the first time during pregnancy. It excludes cases with known 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 of 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. 11. Does not include data from Newton Wellesley, Saint Vincent and Winchester hospitals because of reporting problems.

| Race and Hispanic | Birtl | าร | | Teen E | Births | | | Birthw | veight | | | Prenata | | | Cesare | | Breastfe | eding⁵ |
|------------------------------|--------|----------------|----------------|---------|--------|------|---------|--------|--------|-----------------------|--------|----------------|----------------------|--------|--------|------|----------|--------|
| Ethnicity (by | | | <18 Ye | ars | <20 Ye | ears | Very L | ow² | Lo | w ³ | Adequ | ate⁴ | 1 st Trin | nester | Delive | ries | | |
| mother's birthplace) | n | % ¹ | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % |
| State Total | 71,484 | 100.0 | 561 | 0.8 | 2,162 | 3.0 | 865 | 1.2 | 5,321 | 7.5 | 49,185 | 81.8 | 57,154 | 82.0 | 22,431 | 31.4 | 60,515 | 87.0 |
| US inc. DC | 48,863 | 68.4 | 386 | 0.8 | 1,507 | 3.1 | 525 | 1.1 | 3,497 | 7.2 | 39,446 | 84.1 | 40,483 | 84.9 | 15,169 | 31.1 | 40,015 | 84.6 |
| US Territories ⁷ | 1,781 | 2.5 | 65 | 3.6 | 226 | 12.7 | 40 | 2.3 | 177 | 10.0 | 1,347 | 79.1 | 1,360 | 78.6 | 564 | 31.7 | 1,436 | 82.3 |
| Non-US-born ⁸ | 20,821 | 29.1 | 111 | 0.5 | 430 | 2.1 | 297 | 1.4 | 1,641 | 7.9 | 15,281 | 76.7 | 15,306 | 75.5 | 6,693 | 32.2 | 19,056 | 93.0 |
| White Non-Hispanic | 43,255 | 60.5 | 149 | 0.3 | 721 | 1.7 | 391 | 0.9 | 2,795 | 6.5 | 35,386 | 85.1 | 36,327 | 85.8 | 13,599 | 31.5 | 36,100 | 86.2 |
| US inc. DC | 38,507 | 89.0 | 147 | 0.4 | 685 | 1.8 | 347 | 0.9 | 2,479 | 6.4 | 31,712 | 85.6 | 32,562 | 86.4 | 12,163 | 31.6 | 31,712 | 85.2 |
| US Territories ⁷ | 8 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | _6 | _6 | _6 | _6 | _6 | _6 | 8 | 100.0 |
| Non-US-born ⁸ | 4,737 | 11.0 | _6 | _6 | 36 | 0.8 | 44 | 0.9 | 315 | 6.7 | 3,668 | 81.1 | 3,758 | 81.2 | 1,435 | 30.3 | 4,380 | 94.1 |
| Black non-Hispanic | 6,949 | 9.7 | 76 | 1.1 | 291 | 4.2 | 158 | 2.3 | 734 | 10.6 | 4,632 | 69.3 | 4,640 | 68.6 | 2,446 | 35.2 | 6,009 | 87.9 |
| US inc. DC | 2,963 | 42.6 | 52 | 1.8 | 209 | 7.1 | 61 | 2.1 | 357 | 12.1 | 2,126 | 74.9 | 2,208 | 76.7 | 926 | 31.3 | 2,338 | 80.4 |
| US Territories ⁷ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Non-US-born ⁸ | 3,982 | 57.3 | 24 | 0.6 | 82 | 2.1 | 97 | 2.4 | 376 | 9.5 | 2,504 | 65.2 | 2,430 | 62.5 | 1,519 | 38.2 | 3,668 | 93.4 |
| Hispanic | 12,927 | 18.1 | 316 | 2.4 | 1,058 | 8.2 | 217 | 1.7 | 1,071 | 8.3 | 9,650 | 77.6 | 9,684 | 76.8 | 3,927 | 30.4 | 11,040 | 86.7 |
| US inc. DC | 5,066 | 39.2 | 172 | 3.4 | 542 | 10.7 | 88 | 1.7 | 445 | 8.8 | 3,837 | 78.5 | 3,916 | 79.0 | 1,484 | 29.3 | 4,063 | 81.5 |
| US Territories | 1,746 | 13.5 | 64 | 3.7 | 223 | 12.8 | 40 | 2.3 | 176 | 10.1 | 1,326 | 79.0 | 1,339 | 78.6 | 554 | 31.7 | 1,404 | 82.1 |
| Non-US-born ⁸ | 6,113 | 47.3 | 80 | 1.3 | 293 | 4.8 | 89 | 1.5 | 450 | 7.4 | 4,486 | 76.5 | 4,428 | 74.5 | 1,888 | 30.9 | 5,572 | 92.3 |
| Asian | 6,473 | 9.1 | 8 | 0.1 | 49 | 0.8 | 64 | 1.0 | 553 | 8.6 | 5,231 | 82.8 | 5,238 | 82.1 | 1,895 | 29.3 | 5,858 | 91.7 |
| US inc. DC | 1,258 | 19.4 | 7 | 0.6 | 38 | 3.0 | 14 | 1.1 | 120 | 9.6 | 1,045 | 84.7 | 1,040 | 83.9 | 293 | 23.3 | 1,079 | 87.2 |
| US Territories ⁷ | 5 | 0.1 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 5 | 100.0 | 5 | 100.0 | -6 | _6 | 5 | 100.0 |
| Non-US-born ⁸ | 5,209 | 80.5 | - ⁰ | -° 6 | 11 | 0.2 | 49 | 0.9 | 432 | 8.3 | 4,181 | 82.3 | 4,193 | 81.7 | 1,599 | 30.7 | 4,774 | 92.8 |
| American Indian [®] | 212 | 0.3 | _0 6 | -° 6 | 10 | 4.7 | _6 6 | - | 18 | 8.6 | 152 | 72.4 | 157 | 74.8 | 75 | 35.4 | 163 | 78.7 |
| US inc. DC | 206 | 97.2 | | -* | 10 | 4.9 | - | -* | 17 | 8.4 | 147 | 72.1 | 151 | 74.0 | 73 | 35.4 | 158 | 78.6 |
| 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 | 6 | 2.8 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | _6 | - ⁶ | _6 | _ ⁶ | 6 | 100.0 | _6 | _6 | · | - |
| Other ¹⁰ | 419 | 0.6 | ۹_ 6 | -6 | 8 | 1.9 | 10 6 | 2.4 | 43 | 10.3 | 262 | 72.6 | 291 | 74.6 | 155 | 37.2 | 347 | 91.3 |
| US inc. DC | 98 | 23.4 | | _6 | 5 | 5.1 | - | _6 | 14 | 14.4 | 72 | 80.0 | 77 | 82.8 | 35 | 36.1 | 78 | 87.6 |
| US Territories ⁷ | - | -6 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | -6 | _6 |
| Non-US-born ⁸ | 321 | 76.6 | - | -6 | _6 | -6 | 8 | 2.5 | 29 | 9.1 | 190 | 70.1 | 214 | 72.1 | 120 | 37.5 | 269 | 92.4 |
| Unknown | 1,249 | 1.7 | 8 | 0.6 | 27 | 2.2 | 23 | 2.0 | 107 | 9.1 | 767 | 82.7 | 817 | 80.0 | 334 | 28.7 | 998 | 88.0 |

Table 2. Birth Characteristics by Maternal Race/Hispanic Ethnicity and Birthplace, Massachusetts: 2015

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

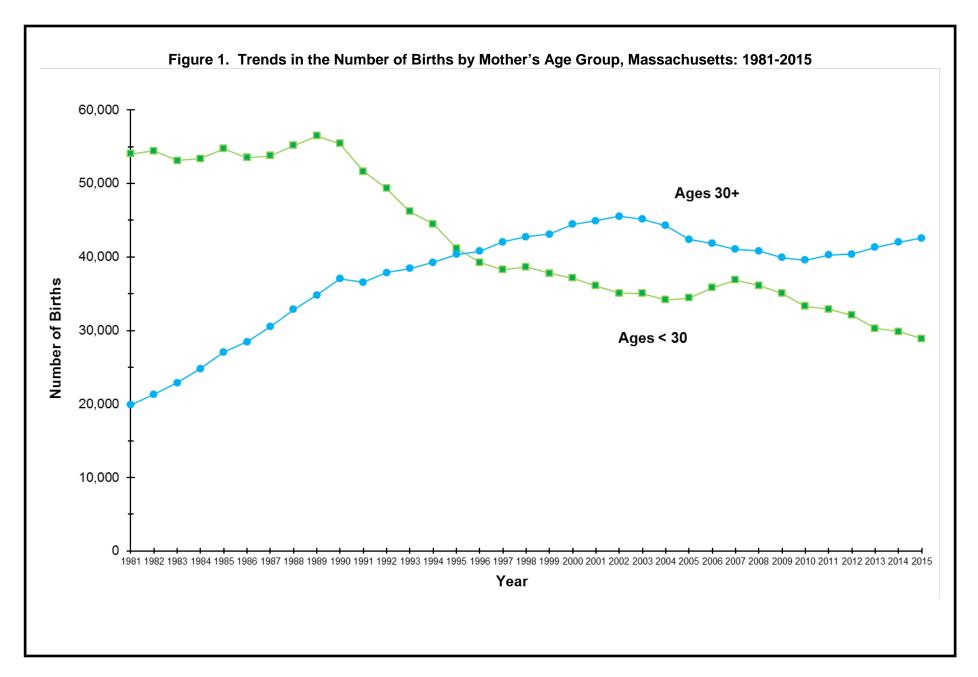
1. In the column "Births %," the percentages of the race/Hispanic groups (bolded) are based on the state total (including births of unknown race/ethnicity), and the birthplace percentage for the race/ethnicities are based on the total number in race/Hispanic ethnicity category. For all other categories, 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 at time of discharge. 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.

| Maternal | Birtl | าร1 | • | Teen | Births | | Lo | w | | Prena | atal Care | | Late | • | Cesar | ean | Brea | st- | Gestat | ional |
|--------------------------|--------|-------|--------|------|--------|-------|---------|--------------------|--------|------------------|----------------------|--------|--------|----------------|--------|------|--------|------|--------|-------------------|
| Ancestry | | | <18 ye | ears | <20 Y | /ears | Birthwe | eight ² | Adequ | ate ³ | 1 st Trir | nester | Preter | m ⁴ | Secti | ion | feedi | ng⁵ | Diabe | etes ⁶ |
| | N | % | N | % | Ν | % | N | % | N | % | N | % | Ν | % | N | % | N | % | N | % |
| State Total | 71,484 | 100.0 | 561 | 0.8 | 2,162 | 3.0 | 5,321 | 7.5 | 56,080 | 81.8 | 57,154 | 82.0 | 4,305 | 6.0 | 22,431 | 31.4 | 60,515 | 87.0 | 4,287 | 6.0 |
| American | 35,152 | 49.2 | 185 | 0.5 | 813 | 2.3 | 2,250 | 6.4 | 24,683 | 85.5 | 29,682 | 85.9 | 2,074 | 5.9 | 11,063 | 31.5 | 29,649 | 84.9 | 1,876 | 5.3 |
| European | 8,779 | 12.3 | 18 | 0.2 | 72 | 0.8 | 508 | 5.8 | 5,927 | 87.2 | 7,593 | 87.9 | 487 | 5.6 | 2,640 | 30.1 | 7,976 | 91.5 | 416 | 4.7 |
| Puerto Rican | 4,847 | 6.8 | 174 | 3.6 | 580 | 12.0 | 462 | 9.6 | 3,509 | 79.4 | 3,742 | 78.9 | 318 | 6.6 | 1,482 | 30.6 | 3,772 | 79.2 | 308 | 6.4 |
| African American | 3,092 | 4.3 | 59 | 1.9 | 210 | 6.8 | 369 | 12.0 | 2,079 | 75.3 | 2,295 | 76.6 | 239 | 7.7 | 980 | 31.7 | 2,451 | 80.8 | 147 | 4.8 |
| Dominican | 2,946 | 4.1 | 54 | 1.8 | 200 | 6.8 | 244 | 8.3 | 2,072 | 75.1 | 2,191 | 76.4 | 168 | 5.7 | 1,003 | 34.1 | 2,615 | 89.9 | 162 | 5.5 |
| Portuguese | 2,183 | 3.1 | 25 | 1.1 | 98 | 4.5 | 166 | 7.6 | 1,615 | 81.4 | 1,694 | 79.1 | 139 | 6.4 | 774 | 35.5 | 1,542 | 71.1 | 124 | 5.7 |
| Asian Indian | 2,070 | 2.9 | 0 | 0.0 | 5 | 0.2 | 206 | 10.0 | 1,240 | 83.4 | 1,706 | 84.1 | 137 | 6.6 | 752 | 36.4 | 1,964 | 96.9 | 243 | 11.7 |
| Other | 1,944 | 2.7 | 11 | 0.6 | 32 | 1.6 | 180 | 9.3 | 1,208 | 85.8 | 1,468 | 82.6 | 121 | 6.2 | 615 | 31.7 | 905 | 87.4 | 104 | 5.3 |
| African | 1,917 | 2.7 | 6 | 0.3 | 16 | 0.8 | 147 | 7.7 | 1,130 | 66.4 | 1,204 | 64.0 | 106 | 5.5 | 717 | 37.4 | 1,792 | 94.3 | 117 | 6.1 |
| Chinese | 1,900 | 2.7 | 0 | 0.0 | 7 | 0.4 | 100 | 5.3 | 1,401 | 85.3 | 1,607 | 85.3 | 91 | 4.8 | 476 | 25.1 | 1,739 | 92.7 | 172 | 9.1 |
| Brazilian | 1,590 | 2.2 | 10 | 0.6 | 29 | 1.8 | 114 | 7.2 | 1,101 | 82.2 | 1,240 | 81.3 | 92 | 5.8 | 664 | 41.8 | 1,482 | 94.0 | 90 | 5.7 |
| Haitian | 1,425 | 2.0 | 8 | 0.6 | 24 | 1.7 | 164 | 11.6 | 812 | 61.8 | 839 | 60.4 | 91 | 6.4 | 578 | 40.6 | 1,269 | 90.7 | 113 | 7.9 |
| Cape Verdean | 1,396 | 2.0 | 34 | 2.4 | 100 | 7.2 | 121 | 8.7 | 959 | 71.5 | 979 | 71.6 | 82 | 5.9 | 416 | 29.8 | 1,190 | 86.4 | 66 | 4.7 |
| Salvadoran | 1,220 | 1.7 | 35 | 2.9 | 97 | 8.0 | 93 | 7.6 | 865 | 75.5 | 893 | 74.9 | 70 | 5.7 | 270 | 22.1 | 1,105 | 91.5 | 83 | 6.8 |
| Middle Eastern | 1,132 | 1.6 | _7 | -7 | 16 | 1.4 | 77 | 6.8 | 731 | 73.4 | 816 | 73.6 | 59 | 5.2 | 322 | 28.4 | 1,042 | 93.2 | 84 | 7.4 |
| Guatemalan | 970 | 1.4 | 17 | 1.8 | 67 | 6.9 | 44 | 4.5 | 657 | 73.4 | 608 | 65.5 | 52 | 5.4 | 209 | 21.5 | 864 | 89.8 | 61 | 6.3 |
| Russian | 770 | 1.1 | _7 | -7 | 8 | 1.0 | 54 | 7.0 | 514 | 83.8 | 635 | 84.1 | 36 | 4.7 | 208 | 27.0 | 733 | 95.8 | 47 | 6.1 |
| Vietnamese | 640 | 0.9 | _7 | -7 | 7 | 1.1 | 72 | 11.3 | 435 | 80.3 | 502 | 79.6 | 55 | 8.6 | 194 | 30.3 | 533 | 84.3 | 83 | 13.0 |
| Cambodian | 618 | 0.9 | 6 | 1.0 | 26 | 4.2 | 53 | 8.6 | 474 | 80.7 | 448 | 73.4 | 30 | 4.9 | 131 | 21.2 | 427 | 70.5 | 62 | 10.0 |
| West Indian Caribbean | 575 | 0.8 | _7 | _7 | 25 | 4.3 | 68 | 11.8 | 378 | 73.1 | 419 | 74.6 | 31 | 5.4 | 189 | 32.9 | 532 | 93.3 | 36 | 6.3 |
| Mexican | 552 | 0.8 | 8 | 1.4 | 26 | 4.7 | 31 | 5.6 | 378 | 77.6 | 417 | 76.9 | 21 | 3.8 | 164 | 29.8 | 493 | 90.6 | 48 | 8.7 |
| Other South American | 526 | 0.7 | _7 | _7 | 17 | 3.2 | 31 | 5.9 | 380 | 79.7 | 396 | 76.4 | 26 | 4.9 | 142 | 27.0 | 496 | 95.4 | 20 | 3.8 |
| Native American | 441 | 0.6 | 10 | 2.3 | 24 | 5.4 | 33 | 7.5 | 289 | 74.7 | 327 | 75.0 | 28 | 6.3 | 144 | 32.7 | 340 | 77.4 | 18 | 4.1 |
| Honduran | 417 | 0.6 | 8 | 1.9 | 31 | 7.4 | 45 | 10.8 | 288 | 72.4 | 287 | 70.0 | 30 | 7.2 | 101 | 24.2 | 358 | 86.7 | 23 | 5.5 |
| Korean | 411 | 0.6 | 0 | 0.0 | _7 | -7 | 41 | 10.0 | 293 | 88.8 | 351 | 88.2 | 35 | 8.5 | 106 | 25.8 | 394 | 96.8 | 30 | 7.3 |
| Colombian | 398 | 0.6 | 6 | 1.5 | 12 | 3.0 | 23 | 5.8 | 276 | 80.7 | 315 | 81.6 | 27 | 6.8 | 126 | 31.7 | 374 | 95.7 | 8 | 2.0 |

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Table 3. Birth Characteristics by Maternal Ancestry, Massachusetts: 2015

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 at time of discharge. 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.



| | | Singlete | ons | | | Multiple | es ¹ | | | | 2 |
|---------|-----------|----------|------|--------------|---------------|----------|-----------------|---|-------|----------|-------------------|
| Age | | | | <u>Twi</u> r | <u>ns T</u> i | | | Total Mult | iples | Total bi | rths ² |
| Group | Year | n | % | n | % | n | % | n | % | n | % |
| All Age | <u>s</u> | | | | | | | | | | |
| | 2001 | 77,409 | 95.6 | 3,371 | 4.2 | 234 | 0.3 | 3,605 | 4.4 | 81,014 | 100.0 |
| | 2002 | 76,673 | 95.1 | 3,708 | 4.6 | 243 | 0.3 | 3,951 | 4.9 | 80,624 | 100.0 |
| | 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 | 74,498 | 95.6 | 3,310 | 4.2 | 126 | 0.2 | 3,436 | 4.4 | 77,934 | 100.0 |
| | 2008 | 73,475 | 95.5 | 3,365 | 4.4 | 129 | 0.2 | 3,494 | 4.5 | 76,969 | 100.0 |
| | 2009 | 71,423 | 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 | 0.1 | 3,067 | 4.3 | 71,867 | 100.0 |
| | 2015 | 68,756 | 96.2 | 2,671 | 3.7 | 57 | 0.1 | 2,728 | 3.8 | 71,484 | 100.0 |
| Ages < | <u>35</u> | | | | | | | | | | |
| | 2001 | 60,704 | 96.3 | 2,211 | 3.5 | 134 | 0.2 | 2,345 | 3.7 | 63,049 | 100.0 |
| | 2002 | 59,736 | 96.0 | 2,379 | 3.8 | 127 | 0.2 | 2,506 | 4.0 | 62,242 | 100.0 |
| | 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 | 57,977 | 96.3 | 2,144 | 3.6 | 87 | 0.1 | 2,231 | 3.7 | 60,208 | 100.0 |
| | 2008 | 57,080 | 96.3 | 2,111 | 3.6 | 78 | 0.1 | 2,189 | 3.7 | 59,269 | 100.0 |
| | 2009 | 55,906 | 96.1 | 2,202 | 3.8 | 80 | 0.1 | 2,282 | 3.9 | 58,188 | 100.0 |
| | 2010 | 54,369 | 96.3 | 2,018 | 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 | 52,640 | 96.9 | 1,665 | 3.1 | 45 | 0.1 | 1,710 | 3.1 | 54,350 | 100.0 |
| Ages 3 | | 02,010 | 0010 | 1,000 | 0.1 | | 011 | .,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | 011 | 0 1,000 | 1001 |
| | 2001 | 16,703 | 93.0 | 1,160 | 6.5 | 100 | 0.6 | 1,260 | 7.0 | 17,963 | 100.0 |
| | 2002 | 16,936 | 92.1 | 1,329 | 7.2 | 116 | 0.6 | 1,445 | 7.9 | 18,381 | 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 | 16,901 | 92.8 | 1,257 | 6.9 | 60 | 0.3 | 1,317 | 7.2 | 18,218 | 100.0 |
| | 2007 | 16,519 | 93.2 | 1,166 | 6.6 | 39 | 0.2 | 1,205 | 6.8 | 17,724 | 100.0 |
| | 2008 | 16,392 | 92.6 | 1,254 | 7.1 | 51 | 0.3 | 1,305 | 7.4 | 17,697 | 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 |
| | 2012 | 15,367 | 92.9 | 1,139 | 6.9 | 37 | 0.2 | 1,176 | 7.1 | 16,543 | 100.0 |
| | 2013 | 15,634 | 93.3 | 1,094 | 6.5 | 33 | 0.2 | 1,127 | 6.7 | 16,761 | 100.0 |
| | 2015 | 16,115 | 94.1 | 1,005 | 5.9 | 12 | 0.2 | 1,017 | 5.9 | 17,132 | 100.0 |

Table 4. Trends in Number and Percent Distribution of Births by Plurality and MaternalAge, Massachusetts: 2001-2015

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 | | Ages 18 | 3-19 | Combined Ag | ges 15-19 |
|--|----------|------------------|---------|------------------|-------------|------------------|
| | N | % ^{1,2} | N | % ^{1,2} | Ν | % ^{1,2} |
| State Total | 539 | 25.2% | 1,601 | 74.8% | 2,140 | 100.0% |
| White non-Hispanic | 146 | 27.4% | 572 | 36.2% | 718 | 34.0% |
| Black non-Hispanic | 71 | 13.3% | 215 | 13.6% | 286 | 13.5% |
| Asian | 7 | 1.3% | 41 | 2.6% | 48 | 2.3% |
| Hispanic | 302 | 56.8% | 742 | 46.9% | 1,044 | 49.4% |
| Other | 6 | 1.1% | 12 | 0.8% | 18 | 0.9% |
| Birthplace | | | | • | | |
| US States / D.C. | 370 | 68.6% | 1,121 | 70.0% | 1,491 | 69.7% |
| Puerto Rico / US Terr. | 64 | 11.9% | 161 | 10.1% | 225 | 10.5% |
| Non-US-born | 105 | 19.5% | 319 | 19.9% | 424 | 19.8% |
| Prenatal Care Funding | | | | | | |
| Public | 454 | 86.1% | 1,241 | 79.5% | 1,695 | 81.2% |
| Private, other | 73 | 13.9% | 320 | 20.5% | 393 | 18.8% |
| | <u> </u> | Pregnancy-Rela | | | | |
| Adequacy of Prenatal Care ³ | | 0 | | | | |
| Adequate Total ⁴ | 324 | 60.1% | 1,060 | 66.2% | 1,384 | 64.7% |
| Adequate Intensive | 171 | 31.7% | 510 | 31.9% | 681 | 31.8% |
| Adequate Basic | 153 | 28.4% | 550 | 34.4% | 703 | 32.9% |
| Intermediate | 46 | 8.5% | 139 | 8.7% | 185 | 8.6% |
| Inadequate/None | 141 | 26.2% | 327 | 20.4% | 468 | 21.9% |
| Unknown | 28 | 5.2% | 75 | 4.7% | 103 | 4.8% |
| Parity ⁵ | 20 | 0.270 | | , | 100 | 1.07 |
| 1 | 517 | 95.9% | 1,355 | 84.7% | 1,872 | 87.6% |
| 2 | 22 | 4.1% | 212 | 13.3% | 234 | 10.9% |
| 3+ | 0 | 0.0% | 32 | 2.0% | 32 | 1.5% |
| Smoking during Pregnancy | 0 | 0.070 | 52 | 2.070 | 52 | 1.07 |
| Yes | 25 | 4.9% | 140 | 9.2% | 165 | 8.1% |
| No | 481 | 95.1% | 1,382 | 90.8% | 1,863 | 91.9% |
| 110 | 401 | Birth Outco | | 30.078 | 1,005 | 31.37 |
| Birthweight | | | | | | |
| < 500 g | _6 | -6 | _6 | -6 | 5 | 0.2% |
| 500-1,499 g | 6 | 1.1% | 19 | 1.2% | 25 | 1.2% |
| 1,500-2,499 g | 44 | 8.2% | 121 | 7.6% | 165 | 7.7% |
| LBW (<2,499 g) | 51 | 9.5% | | Ī | | |
| | | | 144 | 9.0% | 195 | 9.1% |
| 2,500-3,999 g | 470 | 87.2% | 1,367 | 85.7% | 1,837 | 86.0% |
| 4000+ g | 18 | 3.3% | 85 | 5.3% | 103 | 4.8% |
| Gestational Age | _6 | _6 | _6 | _6 | | 0.70 |
| < 28 weeks | | | | | 14 | 0.7% |
| Preterm (< 37 weeks) | 48 | 8.9% | 118 | 7.4% | 166 | 7.8% |
| 37-42 weeks | 489 | 90.7% | 1,470 | 91.9% | 1,959 | 91.6% |
| Plurality | , | | | | T | |
| Singleton | 533 | 98.9% | 1,579 | 98.6% | 2,112 | 98.7% |
| Multiple birth | 6 | 1.1% | 22 | 1.4% | 28 | 1.3% |

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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.

| Municipality ¹ | T | een Births | Whi | te non-Hispanic | Blac | k non-Hispanic | | Hispanic |
|---------------------------|-------|-----------------------------|-----|-----------------------------|------|-----------------------------|-------|-----------------------------|
| | N | Rate (95%CI) ^{2,3} | Ν | Rate (95%CI) ^{2,3} | N | Rate (95%CI) ^{2,3} | N | Rate (95%CI) ^{2,3} |
| State Total | 2,140 | 9.4 (9, 9.8) | 718 | 4.5 (4.2, 4.8) | 286 | 14.4 (12.7, 16.1) | 1,044 | 32.7 (30.8, 34.7) |
| Holyoke | 61 | 40.5 (29, 53.9) | _4 | _4 | _4 | _4 | 54 | 51.1 (38, 66) |
| Southbridge | 21 | 36.8 (25.9, 49.6) | _4 | _4 | -4 | _4 | 14 | 63.9 (49.2, 80.5) |
| Chelsea | 41 | 34.3 (23.8, 46.6) | _4 | -4 | -4 | _4 | 31 | 35.1 (24.4, 47.6) |
| Lawrence | 110 | 32.4 (26.3, 38.5) | -4 | -4 | -4 | -4 | 106 | 37 (30, 44.1) |
| Lynn | 104 | 32.3 (26.1, 38.5) | 17 | 15 (8.4, 23.5) | 7 | 15.6 (8.8, 24.2) | 72 | 53.8 (40.4, 69.1) |
| New Bedford | 97 | 31.9 (21.8, 43.9) | 29 | 14.3 (7.9, 22.6) | 7 | 28.8 (19.3, 40.2) | 56 | 77.8 (61.5, 96) |
| Springfield | 215 | 31.5 (27.2, 35.7) | 11 | 5.7 (2.1, 11.3) | 28 | 18.6 (11.1, 27.9) | 173 | 53.9 (45.9, 62) |
| Fall River | 81 | 29.1 (19.5, 40.6) | 50 | 22.8 (14.4, 33) | 5 | 32.3 (22.1, 44.3) | 22 | 71.7 (56, 89.2) |
| Fitchburg | 44 | 24.7 (16, 35.4) | 11 | 9.4 (4.4, 16.3) | -4 | -4 | 27 | 57.8 (43.9, 73.6) |
| West Springfield | 20 | 23.8 (15.2, 34.2) | 10 | 15.9 (9.1, 24.7) | | - | 10 | 73.5 (57.7, 91.3) |
| Brockton | 77 | 23 (14.5, 33.3) | 10 | 7.3 (3, 13.4) | 42 | 28.6 (19.1, 40) | 23 | 56.4 (42.6, 72) |
| Lowell | 84 | 20.4 (12.5, 30.2) | 24 | 12.6 (6.7, 20.5) | 12 | 41.8 (30.1, 55.4) | 28 | 28.4 (18.9, 39.7) |
| Haverhill | 36 | 20.1 (12.3, 29.8) | -4 | -4 | | - | 20 | 51.7 (38.6, 66.7) |
| Everett | 23 | 17.5 (10.2, 26.5) | -4 | -4 | -4 | -4 | 19 | 58.1 (44.1, 74) |
| Worcester | 130 | 16.8 (13.9, 19.7) | 45 | 10.1 (4.8, 17.2) | 14 | 18.3 (10.9, 27.5) | 66 | 33.3 (22.9, 45.5) |
| Chicopee | 30 | 15.9 (9.1, 24.7) | 13 | 9.8 (4.7, 16.9) | -4 | -4 | 14 | 32 (21.9, 44) |
| Marlborough | 16 | 15.6 (8.8, 24.2) | -4 | -4 | | - | 13 | 71 (55.5, 88.5) |
| Leominster | 17 | 13 (6.9, 20.9) | -4 | -4 | -4 | -4 | 10 | 35.3 (24.7, 47.9) |
| Pittsfield | 17 | 12.7 (6.7, 20.6) | 11 | 9.9 (4.7, 17) | -4 | -4 | _4 | -4 |
| Taunton | 21 | 12 (6.2, 19.7) | 12 | 8.1 (3.5, 14.5) | -4 | -4 | -4 | -4 |
| Revere | 17 | 11.9 (6.1, 19.5) | _4 | _4 | | - | 14 | 26.8 (17.6, 37.8) |
| Framingham | 27 | 11.5 (5.8, 19) | _4 | -4 | -4 | -4 | 17 | 39.8 (28.4, 53.1) |
| Methuen | 18 | 11.1 (5.6, 18.5) | _4 | _4 | -4 | -4 | 11 | 24.6 (15.9, 35.2) |
| Boston | 247 | 9.5 (8.3, 10.7) | 19 | 1.7 (0.1, 5) | 87 | 13.3 (7.2, 21.4) | 135 | 26 (21.6, 30.4) |
| Quincy | 13 | 6.6 (2.5, 12.4) | -4 | -4 | 5 | 40 (28.6, 53.3) | -4 | -4 |

Table 5b. Number and Teen Birth Rates by Race/Hispanic Ethnicity for Selected Communities, Massachusetts: 2015

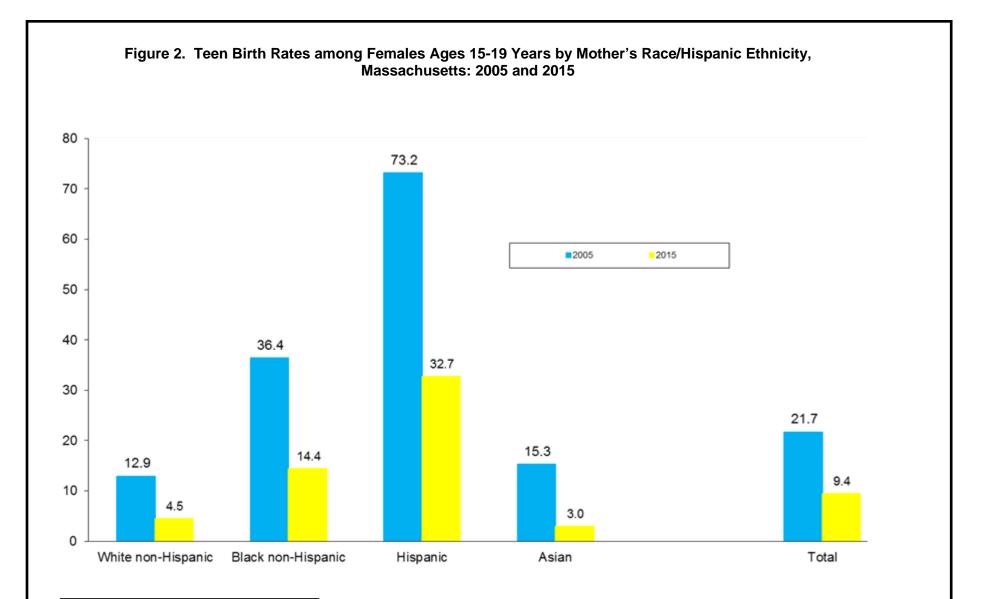
Note: The total number of Asian teen births in MA was 48 for a rate of 3.5/1,000 significantly lower than the state rate of 10.6. The only community with more than 10 Asian teen births was Lowell. Asian teen birth rate in this community was higher than the state.

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. **Please note:** If the population in your **community increased from 2010 to 2015, the rates listed may overestimate the actual rate.** If the population in your **community declined from 2010 to 2015, the rates given in the publication may underestimate the actual rate.** 4. Rates based on counts of 1-4 births are not presented.

| 2045 | | 20 | 05 | 201 | 4 | 20 | 15 |
|--------------|---------------------------|--------------------------|---------------------------------|--------------------------|-----------------------------------|--------------------------|-----------------------------------|
| 2015 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 | 3,140 | 11.1 | 2,732 | 12.0 | 2,140 | 9.4 |
| 1 | Holyoke | 146 | 96.8 | 60 | 39.8 | 61 | 40.5 |
| 2 | Southbridge | 36 | 64.5 | 19 | 33.3 | 21 | 36.8 |
| 3 | Chelsea | 75 | 75.0 | 59 | 49.3 | 41 | 34.3 |
| 4 | Lawrence | 217 | 71.7 | 121 | 35.6 | 110 | 32.4 |
| 5 | Lynn | 146 | 47.3 | 94 | 29.2 | 104 | 32.3 |
| 6 | New Bedford | 174 | 58.9 | 101 | 33.3 | 97 | 31.9 |
| 7 | Springfield | 435 | 71.6 | 239 | 35.0 | 215 | 31.5 |
| 8 | Fall River | 140 | 49.5 | 79 | 28.4 | 81 | 29.1 |
| 9 | Fitchburg | 62 | 39.6 | 41 | 23.1 | 44 | 24.7 |
| 10 | West Springfield | 20 | 25.0 | 8 | 9.5 | 20 | 23.8 |
| 11 | Brockton | 148 | 40.7 | 88 | 26.2 | 77 | 23.0 |
| 12 | Lowell | 204 | 51.4 | 89 | 21.6 | 84 | 20.4 |
| 13 | Haverhill | 59 | 30.9 | 41 | 22.9 | 36 | 20.1 |
| 14 | Everett | 35 | 33.0 | 17 | 12.9 | 23 | 17.5 |
| 15 | Worcester | 262 | 37.2 | 126 | 16.3 | 130 | 16.8 |
| 16 | Chicopee | 72 | 41.4 | 35 | 18.6 | 30 | 15.9 |
| 17 | Marlborough | 24 | 26.9 | 16 | 15.6 | 16 | 15.6 |
| 18 | Leominster | 22 | 17.5 | 18 | 13.8 | 17 | 13.0 |
| 19 | Pittsfield | 67 | 52.7 | 32 | 23.9 | 17 | 12.7 |
| 20 | Taunton | 53 | 32.5 | 17 | 9.7 | 21 | 12.0 |
| 21 | Revere | 48 | 45.6 | 30 | 20.9 | 17 | 11.9 |
| 22 | Framingham | 45 | 23.0 | 35 | 14.9 | 27 | 11.5 |
| 23 | Methuen | 36 | 27.1 | 15 | 9.2 | 18 | 11.1 |
| 24 | Boston | 566 | 28.6 | 276 | 10.6 | 247 | 9.5 |
| 25 | Quincy | 48 | 23.1 | 16 | 8.1 | 13 | 6.6 |

Table 6. Trends in Teen Birth Rates for Selected Communities, Ranked by 2015 Teen Birth Rate, Massachusetts: 2005, 2014-2015

Selected communities include the 25 Massachusetts cities and towns with the greatest number of teen births in 2015. Ranking is by 2015 teen birth rate.
 Rates are per 1,000 females ages 15-19 per city/town.
 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. Please note: If the population in your community increased from 2010 to 2015, the rates listed may overestimate the actual rate.



Note: Teen birth rate is number of births to females ages 15-19 per 1,000 females ages 15-19. Birth rates are based upon the 2010 Census population and the <u>National Center for</u> Health Statistics. Postcensal estimates of the resident population of the United States for July 1, 2010-July 1, 2015, by year, county, single-year of age (0, 1, 2, ..., 85 years and over), bridged race, Hispanic origin, and sex (Vintage 2015).

| Birthweight | Tota | al | White Hispa | | Black Hispa | | Hispa | inic | Asia | an | Oth | er | Unkno Race/Eth | |
|----------------------------------|--------|----------------|----------------|-----------------------|----------------|----------------|--------|----------------|-------|----------------|-----|----------------|-------------------|----------------|
| (in grams) | n | % ¹ | n | % ¹ | n | % ¹ | n | % ¹ | n | % ¹ | n | % ¹ | n | % ¹ |
| State Total | 71,484 | 100.0 | 43,255 | 100.0 | 6,949 | 100.0 | 12,927 | 100.0 | 6,473 | 100.0 | 631 | 100.0 | 1,249 | 100.0 |
| <500 | 104 | 0.1 | 31 | 0.1 | 29 | 0.4 | 36 | 0.3 | 7 | 0.1 | 0 | 0.0 | _2 | _2 |
| 500-999 | 313 | 0.4 | 123 | 0.3 | 63 | 0.9 | 92 | 0.7 | 22 | 0.3 | _2 | _2 | 10 | 0.9 |
| 1,000-1,499 | 448 | 0.6 | 237 | 0.5 | 66 | 1.0 | 89 | 0.7 | 35 | 0.5 | 9 | 1.4 | 12 | 1.0 |
| 1,500-1,999 | 1,031 | 1.4 | 545 | 1.3 | 150 | 2.2 | 196 | 1.5 | 101 | 1.6 | 12 | 1.9 | 27 | 2.3 |
| 2,000-2,499 | 3,425 | 4.8 | 1,859 | 4.3 | 426 | 6.1 | 658 | 5.1 | 388 | 6.0 | 37 | 5.9 | 57 | 4.9 |
| 2,500-2,999 | 11,788 | 16.5 | 6,210 | 14.4 | 1,434 | 20.7 | 2,385 | 18.5 | 1,427 | 22.1 | 126 | 20.1 | 206 | 17.6 |
| 3,000-3,499 | 26,967 | 37.8 | 15,841 | 36.7 | 2,636 | 38.0 | 5,055 | 39.2 | 2,749 | 42.6 | 250 | 39.9 | 436 | 37.2 |
| 3,500-3,999 | 20,339 | 28.5 | 13,440 | 31.2 | 1,650 | 23.8 | 3,396 | 26.3 | 1,388 | 21.5 | 151 | 24.1 | 314 | 26.8 |
| 4,000-4,499 | 5,890 | 8.3 | 4,198 | 9.7 | 407 | 5.9 | 853 | 6.6 | 309 | 4.8 | 32 | 5.1 | 91 | 7.8 |
| 4,500-4,999 | 879 | 1.2 | 638 | 1.5 | 65 | 0.9 | 131 | 1.0 | 31 | 0.5 | _2 | _2 | 13 | 1.1 |
| >=5,000 | 87 | 0.1 | 62 | 0.1 | _2 | _2 | 10 | 0.1 | _2 | _2 | _2 | _2 | 5 | 0.4 |
| Unknown birthweight | 213 | 0.3 | 71 | 0.2 | 21 | 0.3 | 26 | 0.2 | 13 | 0.2 | 5 | 0.8 | 77 | 6.2 |
| VLBW ³ (0-1,499 g) | 865 | 1.2 | 391 | 0.9 | 158 | 2.3 | 217 | 1.7 | 64 | 1.0 | 12 | 1.9 | 23 | 2.0 |
| LBW ⁴ (0-2,499 g) | 5,321 | 7.5 | 2,795 | 6.5 | 734 | 10.6 | 1,071 | 8.3 | 553 | 8.6 | 61 | 9.7 | 107 | 9.1 |

Table 7. Births by Birthweight, Race/Hispanic Ethnicity, Massachusetts: 2015

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.).

| Maternal Age Group | Year | | <u>Sing</u> | <u>leton</u> | | | Ţ | win | | Tr | <u>Multi</u> iplets | <u>oles</u> or mor | e | - | Fotal N | /lultiples | | | Total I | Births | |
|-----------------------------------|------|-----|----------------|--------------|----------------|-----|----------------|-------|------|-----|------------------------|-----------------------|----------------|-----|-----------------|------------|----------------|-------|----------------|--------|-----------------------|
| (years) | | VLB | W ¹ | LBW | 1 ² | VLB | W ¹ | LBW | 2 | VLB | W ¹ | LB | W ² | VLE | SW ¹ | LBW | l ² | VLB | W ¹ | LBW | 1 ² |
| | | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % |
| All Ages | 2005 | 701 | 1.0 | 4,126 | 5.6 | 322 | 9.5 | 1,765 | 52.3 | 75 | 39.5 | 181 | 95.3 | 397 | 11.1 | 1,946 | 54.6 | 1,098 | 1.4 | 6,072 | 7.9 |
| | 2006 | 687 | 0.9 | 4,264 | 5.8 | 308 | 9.1 | 1,746 | 51.8 | 46 | 31.1 | 140 | 94.6 | 354 | 10.1 | 1,886 | 53.6 | 1,041 | 1.3 | 6,150 | 7. |
| | 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. |
| | 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. |
| | 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. |
| | 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. |
| | 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. |
| | 2012 | 585 | 0.8 | 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. |
| | 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 | 7. |
| | 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 | 7. |
| | 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. |
| Ages < 35 | 2005 | 552 | 1.0 | 3,198 | 5.7 | 215 | 10.3 | 1,149 | 55.1 | 47 | 46.1 | 100 | 98.0 | 262 | 12.0 | 1,249 | 57.1 | 814 | 1.4 | 4,447 | 7. |
| | 2006 | 534 | 0.9 | 3,342 | 5.8 | 217 | 10.3 | 1,157 | 54.8 | 28 | 31.5 | 83 | 93.3 | 245 | 11.1 | 1,240 | 56.3 | 779 | 1.3 | 4,582 | 7. |
| | 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. |
| | 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 | 7. |
| | 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 | 7. |
| | 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. |
| | 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. |
| | 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. |
| | 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. |
| | 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. |
| | 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. |
| Ages 35+ | 2005 | 149 | 0.9 | 927 | 5.5 | 107 | 8.3 | 616 | 47.8 | 28 | 31.8 | 81 | 92.0 | 135 | 9.8 | 697 | 50.6 | 284 | 1.6 | 1,624 | 8.9 |
| | 2006 | 151 | 0.9 | 919 | 5.4 | 89 | 7.1 | 587 | 46.8 | 18 | 30.5 | 57 | 96.6 | 107 | 8.1 | 644 | 49.0 | 258 | 1.4 | 1,563 | 8. |
| | 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. |
| | 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 | 8. |
| | 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. |
| | 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 | 9. |
| | 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 | 8. |
| | 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 | 8. |
| | 2013 | 163 | 1.1 | 875 | 5.7 | 93 | 8.2 | 585 | 51.6 | 6 | 16.2 | 34 | 91.9 | 101 | 7.7 | 623 | 47.6 | 262 | 1.6 | 1,494 | 9. |
| | 2014 | 145 | 0.9 | 862 | 5.5 | 84 | 7.7 | 548 | 50.2 | 5 | 15.2 | 32 | 97.0 | 90 | 7.1 | 590 | 46.3 | 234 | 1.4 | 1,442 | 8. |
| | 2015 | 151 | 0.9 | 927 | 5.8 | 77 | 7.7 | 517 | 51.7 | 3 | 27.3 | 10 | 90.9 | 81 | 7.0 | 538 | 46.3 | 231 | 1.4 | 1,454 | 8. |
| NOTE: Very Lo characteristic(s | | | | | | | | | | | | | | | | | | | | | |

| Gestational Age ¹ | | Total | | e non- spanic | | ck non- ispanic | His | spanic | | Asian | | Other ³ | Unknown |
|-------------------------------|--------|----------------|--------|------------------|-------|--------------------|--------|----------------|-------|----------------|-----|--------------------|---------|
| (weeks completed) | n | % ² | n | % ² | n | % ² | n | % ² | n | % ² | n | %² | n |
| State Total | 71,484 | 100.0 | 43,255 | 100.0 | 6,949 | 100.0 | 12,927 | 100.0 | 6,473 | 100.0 | 631 | 100.0 | 1,249 |
| <20 | 22 | 0.03 | _4 | _4 | 7 | 0.10 | 10 | 0.08 | _4 | _4 | 0 | 0.0 | 0 |
| 20-23 | 123 | 0.17 | 45 | 0.1 | 32 | 0.5 | 35 | 0.3 | 8 | 0.1 | 0 | 0.0 | 3 |
| 24-27 | 274 | 0.35 | 113 | 0.3 | 52 | 0.7 | 85 | 0.7 | 12 | 0.2 | -4 | _4 | 8 |
| 28-31 | 586 | 0.76 | 305 | 0.7 | 84 | 1.2 | 120 | 0.9 | 55 | 0.9 | 7 | 1.1 | 15 |
| 32-33 | 691 | 0.89 | 389 | 0.9 | 84 | 1.2 | 143 | 1.1 | 48 | 0.7 | 11 | 1.7 | 16 |
| 34-36 | 4,305 | 5.27 | 2,510 | 5.8 | 464 | 6.7 | 799 | 6.2 | 402 | 6.2 | 40 | 6.4 | 90 |
| 37-38 | 16,074 | 20.78 | 9,159 | 21.2 | 1,716 | 24.7 | 3,187 | 24.7 | 1,597 | 24.7 | 145 | 23.1 | 270 |
| 39 | 23,998 | 18.95 | 14,451 | 33.4 | 2,211 | 31.8 | 4,361 | 33.7 | 2,377 | 36.7 | 208 | 33.1 | 390 |
| 40 | 17,225 | 14.51 | 10,888 | 25.2 | 1,576 | 22.7 | 2,964 | 22.9 | 1,412 | 21.8 | 150 | 23.8 | 235 |
| 41 | 7,657 | 5.09 | 5,073 | 11.7 | 683 | 9.8 | 1,188 | 9.2 | 534 | 8.3 | 61 | 9.7 | 118 |
| 42 | 387 | 0.27 | 281 | 0.7 | 39 | 0.6 | 32 | 0.2 | 23 | 0.4 | _4 | _4 | 9 |
| 43 | 11 | 0.01 | -4 | -4 | 0 | 0.0 | _4 | _4 | 0 | 0.0 | 0 | 0.0 | 0 |
| 44+ | _4 | _4 | -4 | _4 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 |
| <u>Preterm⁵ (<37)</u> | 6,001 | 8.4 | 3,365 | 7.8 | 723 | 10.4 | 1,192 | 9.2 | 527 | 8.1 | 62 | 9.9 | 132 |
| Very Early ⁶ (<28) | 419 | 0.6 | 161 | 0.4 | 91 | 1.3 | 130 | 1.0 | 22 | 0.3 | _4 | _4 | 11 |
| (28-33) | 1,277 | 1.8 | 694 | 1.6 | 168 | 2.4 | 263 | 2.0 | 103 | 1.6 | 18 | 2.9 | 31 |
| Late (34-36) | 4,305 | 6.0 | 2,510 | 5.8 | 464 | 6.7 | 799 | 6.2 | 402 | 6.2 | 40 | 6.4 | 90 |
| <u>Term(>=37)</u> | 65,353 | 91.6 | 39,863 | 92.2 | 6,225 | 89.6 | 11,733 | 90.8 | 5,943 | 91.9 | 567 | 90.1 | 1,022 |
| Early Term (37-38) | 16,074 | 22.5 | 9,159 | 21.2 | 1,716 | 24.7 | 3,187 | 24.7 | 1,597 | 24.7 | 145 | 23.1 | 270 |
| (39-41) | 48,880 | 68.4 | 30,412 | 70.4 | 4,470 | 64.3 | 8,513 | 65.9 | 4,323 | 66.8 | 419 | 66.6 | 743 |
| (>=42) | 399 | 0.6 | 292 | 0.7 | 39 | 0.6 | 33 | 0.3 | 23 | 0.4 | _4 | -4 | 9 |
| Unknown ⁷ | 130 | 0.2 | 27 | 0.1 | _4 | _4 | _4 | _4 | _4 | _4 | _4 | _4 | 95 |

Table 9. Births by Gestational Age, Race/Hispanic Ethnicity, Massachusetts: 2015

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.

| | | Preterm ¹ | | Term 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) | | |
| 2000 | 0.6 | 2.0 | 5.7 | 18.7 | 91.7 | | |
| 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 | | |

Table 9b. Percent Preterm and Term Births by Gestational Age Category.

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.

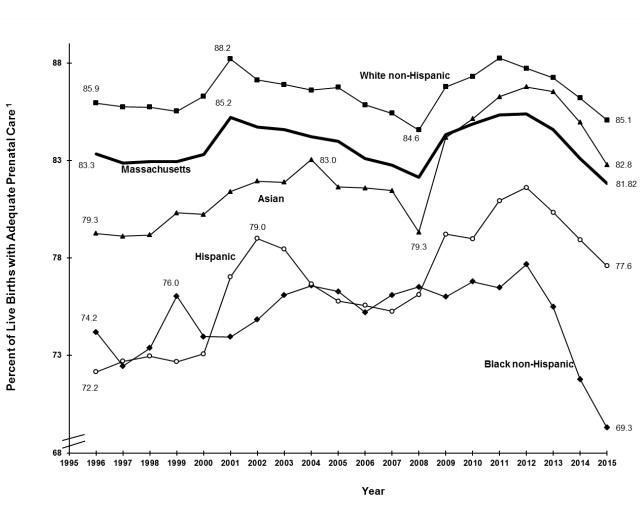
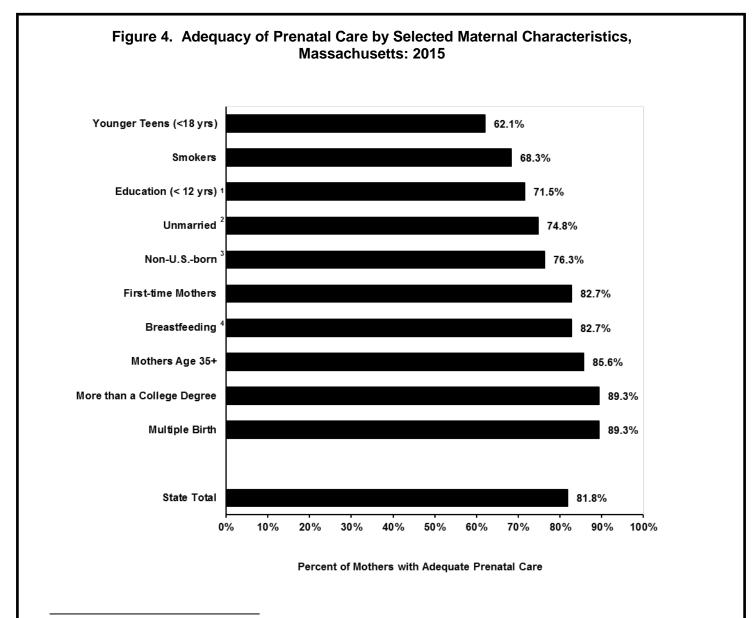


Figure 3. Trends in Adequacy of Prenatal Care by Race and Hispanic Ethnicity, Massachusetts: 1996-2015

PLEASE NOTE THAT FOR PURPOSES OF VISUAL REPRESENTATION THE VERTICAL SCALE OF GRAPH REPRESENTS A SMALL INTERVAL (from 70% to 90%).

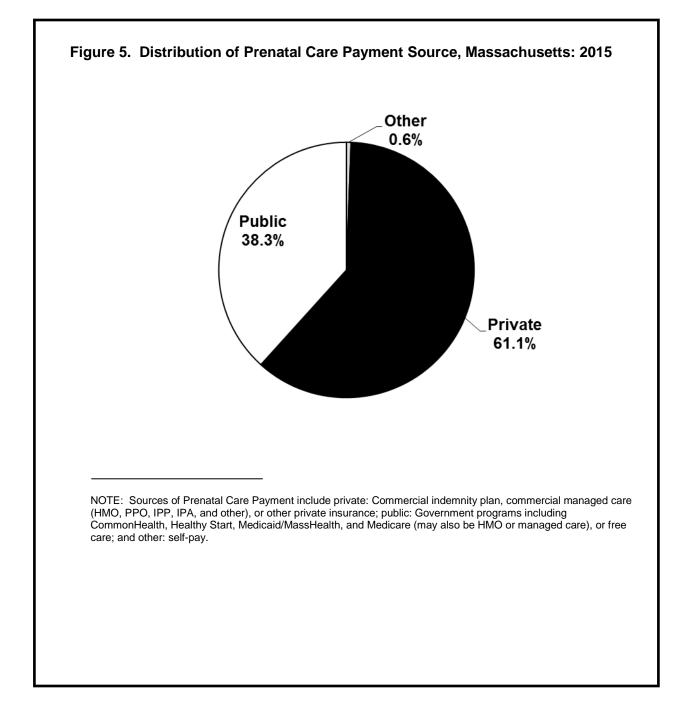
1. All percentages are calculated based on only those births with known values for the characteristic(s) of interest, unless otherwise stated.

2. Please note that the 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 - 2015 do not include data from Newton Wellesley, Saint Vincent and Winchester hospitals because of reporting problems.



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 at time of discharge.



| | | | | Moth | ner's Race a | and Ethnici | ity | Birth w | eight | Gestational | |
|---------------------------|---------------------------|------------|-------------------------------------|---|---|----------------------------|---|-------------------------------|---------------------------|---------------|--|
| Municipality ¹ | Rank (by pop. size) | Population | Crude Birth Rate ² | White non- Hispanic % ³ | Black non- Hispanic % ³ | Hispanic % ³ | Asian or Other ⁴ % ³ | Very Low (<1500 g) % | Low (<250 0 g) % | Diabetes % | |
| STATE TOTAL | | 6,794,422 | 9.6 | 58.5 | 10.4 | 19.6 | 9.6 | 1.4 | 7.8 | 6.0 | |
| Arlington | 30 | 42,839 | 12.2 | 71.3 | 2.5 | 4.2 | 20.5 | 1.0 | 5.8 | 4.6 | |
| Attleboro | 29 | 43,585 | 10.9 | 76.5 | 6.3 | 11.9 | 5.2 | 1.0 | 7.8 | 6.3 | |
| Barnstable | 27 | 45,185 | 8.4 | 68.6 | 10.8 | 13.5 | 6.6 | 0.3 | 8.0 | 5.6 | |
| Boston | 1 | 617,594 | 12.0 | 37.7 | 24.8 | 25.5 | 9.9 | 1.6 | 8.8 | 3.7 | |
| Brockton | 7 | 93,802 | 16.7 | 23.4 | 56.6 | 14.6 | 4.3 | 2.0 | 9.8 | 6.3 | |
| Brookline | 18 | 58,730 | 9.8 | 60.7 | 1.6 | 5.7 | 30.0 | 0.7 | 5.1 | 3.6 | |
| Cambridge | 5 | 105,157 | 11.7 | 54.7 | 10.8 | 9.5 | 22.7 | 1.4 | 7.1 | 3.5 | |
| Chicopee | 22 | 55,295 | 10.2 | 64.2 | 5.7 | 27.3 | 1.9 | 1.4 | 10.0 | 6.9 | |
| Fall River | 10 | 88,844 | 13.0 | 67.6 | 8.7 | 18.6 | 5.0 | 1.0 | 8.3 | 9.2 | |
| Framingham | 14 | 68,314 | 9.1 | 40.8 | 6.9 | 27.5 | 10.1 | 1.9 | 8.2 | 6.1 | |
| Haverhill | 15 | 60,876 | 11.8 | 63.0 | 4.9 | 26.8 | 4.0 | 0.8 | 6.7 | 4.9 | |
| Lawrence | 12 | 76,368 | 17.8 | 7.5 | 2.9 | 88.1 | 1.3 | 2.4 | 10.1 | 5.9 | |
| Lowell | 4 | 106,517 | 14.2 | 35.9 | 11.5 | 22.7 | 29.5 | 1.0 | 8.4 | 8.6 | |
| Lynn | 9 | 90,328 | 16.8 | 23.4 | 11.3 | 51.5 | 9.0 | 1.5 | 8.3 | 5.4 | |
| Malden | 17 | 59,447 | 14.2 | 33.5 | 20.2 | 12.3 | 31.0 | 1.1 | 7.5 | 9.1 | |
| Medford | 20 | 56,171 | 11.4 | 61.5 | 10.8 | 9.8 | 16.1 | 1.6 | 7.2 | 4.4 | |
| Methuen | 26 | 47,252 | 10.6 | 50.3 | 4.6 | 38.7 | 5.4 | 1.6 | 6.0 | 4.8 | |
| New Bedford | 6 | 95,071 | 13.7 | 51.9 | 10.8 | 31.8 | 2.4 | 1.0 | 8.4 | 6.4 | |
| Newton | 11 | 85,142 | 5.8 | 65.5 | 2.2 | 4.4 | 25.0 | 0.8 | 7.9 | 4.6 | |
| Peabody | 25 | 51,253 | 10.5 | 68.9 | 5.2 | 15.4 | 5.2 | 0.6 | 7.6 | 4.3 | |
| Pittsfield | 28 | 44,728 | 10.3 | 75.3 | 10.4 | 10.2 | 4.1 | 1.3 | 7.4 | 3.9 | |
| Plymouth | 19 | 56,455 | 9.0 | 89.2 | 1.8 | 5.7 | 2.8 | 0.8 | 6.7 | 6.3 | |
| Quincy | 8 | 92,275 | 12.8 | 46.8 | 8.0 | 6.0 | 38.4 | 1.3 | 7.3 | 8.4 | |
| Revere | 24 | 51,744 | 14.9 | 38.3 | 7.4 | 40.9 | 10.5 | 1.4 | 7.9 | 4.8 | |
| Somerville | 13 | 75,748 | 11.2 | 57.7 | 6.7 | 19.7 | 13.4 | 1.4 | 10.4 | 4.7 | |
| Springfield | 3 | 153,057 | 14.4 | 21.3 | 17.8 | 56.6 | 4.0 | 2.2 | 9.6 | 7.0 | |
| Taunton | 21 | 55,869 | 10.8 | 67.5 | 13.9 | 12.4 | 4.5 | 2.2 | 10.1 | 7.0 | |
| Waltham | 16 | 60,621 | 9.1 | 42.4 | 10.9 | 30.6 | 14.9 | 2.0 | 7.4 | 5.1 | |
| Weymouth | 23 | 53,736 | 11.7 | 73.4 | 8.3 | 6.7 | 10.5 | 1.6 | 7.4 | 8.6 | |
| Worcester | 2 | 181,041 | 9.5 | 41.0 | 19.4 | 30.9 | 8.1 | 2.6 | 11.4 | 9.3 | |

Table 10. Resident Birth Characteristics, 30 Largest Municipalities, Massachusetts: 2015

| Table 10 (cont'd). | Resident Birth Characteris | stics, 30 Largest Munic | ipalities, Massachusetts: 2015 |
|--------------------|----------------------------|-------------------------|--------------------------------|
| | | | |

| Municipality ¹ | Adequate Prenatal Care ⁶ | Public Payment ⁷ for Prenatal Care | Unmarried | Teen Mothers 15-19 years ⁸ | | |
|---------------------------|--|---|-----------|--|------|--|
| | % | % | % | n | Rate | |
| STATE TOTAL | 81.8 | 41.5 | 35.8 | 2,032 | 9.4 | |
| Arlington | 92.7 | 9.4 | 5.7 | _5 | _5 | |
| Attleboro | 79.1 | 21.7 | 34.5 | 9 | 6.7 | |
| Barnstable | 69.0 | 58.1 | 38.6 | 11 | 8.6 | |
| Boston | 78.8 | 44.0 | 39.4 | 246 | 9.5 | |
| Brockton | 72.4 | 73.5 | 58.4 | 77 | 23.0 | |
| Brookline | 92.1 | 9.2 | 4.7 | _5 | _5 | |
| Cambridge | 85.9 | 15.4 | 12.7 | _5 | _5 | |
| Chicopee | 85.2 | 50.8 | 50.8 | 30 | 15.9 | |
| Fall River | 74.9 | 74.7 | 63.3 | 81 | 29.1 | |
| Framingham | 80.5 | 56.5 | 36.0 | 24 | 10.2 | |
| Haverhill | 82.4 | 47.3 | 45.3 | 36 | 20.1 | |
| Lawrence | 73.0 | 84.1 | 65.8 | 109 | 32.1 | |
| Lowell | 77.5 | 61.8 | 57.3 | 84 | 20.4 | |
| Lynn | 73.2 | 67.4 | 51.2 | 104 | 32.3 | |
| Malden | 79.3 | 43.0 | 23.1 | 10 | 6.5 | |
| Medford | 86.9 | 25.4 | 19.8 | 5 | 3.0 | |
| Methuen | 80.9 | 46.8 | 43.5 | 16 | 9.9 | |
| New Bedford | 76.4 | 72.5 | 65.1 | 97 | 31.9 | |
| Newton | 88.6 | 12.1 | 9.5 | _5 | _5 | |
| Peabody | 83.8 | 38.0 | 32.4 | 6 | 4.3 | |
| Pittsfield | 62.5 | 39.2 | 57.8 | 17 | 12.7 | |
| Plymouth | 86.6 | 34.5 | 30.6 | 12 | 7.3 | |
| Quincy | 85.7 | 36.5 | 26.1 | 13 | 6.6 | |
| Revere | 80.1 | 49.7 | 34.3 | 17 | 11.9 | |
| Somerville | 87.0 | 28.2 | 23.0 | 12 | 7.0 | |
| Springfield | 81.8 | 75.2 | 70.1 | 215 | 31.5 | |
| Taunton | 74.5 | 51.6 | 48.2 | 21 | 12.0 | |
| Waltham | 83.0 | 38.1 | 25.5 | _5 | _5 | |
| Weymouth | 87.1 | 28.5 | 21.8 | 8 | 5.5 | |
| Worcester | 73.8 | 58.0 | 53.7 | 100 | 12.9 | |

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). 3. For the category of Mother's Race and Ethnicity, percentages are calculated based on the state total of resident births, including births for which mother's race/Hispanic ethnicity is unknown. 4. Mothers who designated themselves as Asian, American Indian, or Other. 5. Counts and calculations based on 1-4 events are excluded. 6. 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. 7. Public payment sources include CommonHealth, Healthy Start, Medicaid/MassHealth, and Medicare (may be HMO or managed care), or free care. 8. Births per 1,000 female residents ages 15-19; rates for cities and towns were calculated using MDPH population estimates for 2010.

| Table 11. Bir | 1 | | | | | | |
|--|------------------|------------------------------------|---|--|--|--|--|
| Facility ⁽¹⁾ | Location | (2) Occurrence Births (n) | ⁽³⁾ Low Birth weight (%) | ⁽⁴⁾ Public Pay for PNC (%) | ⁽⁵⁾ Adequate Prenatal Care (%) | ⁽⁶⁾ Early Term (%) | ⁽⁷⁾ Late preterm (%) |
| State Total | | 71,988 | 7.4 | 38.0 | 81.8 | 22.5 | 6.0 |
| Anna Jaques Hospital | Newburyport | 711 | 4.4 | 30.5 | 89.1 | 21.4 | 6.0 |
| Baystate Franklin Medical Center | Greenfield | 485 | 3.3 | 50.4 | 84.3 | 17.7 | 2.9 |
| Baystate Medical Center | Springfield | 4,030 | 10.1 | 57.6 | 85.1 | 22.5 | 7.4 |
| Berkshire Medical Center | Pittsfield | 803 | 5.6 | 37.5 | 63.9 | 13.4 | 4.5 |
| Beth Israel Deaconess Hospital - Plymouth | Plymouth | 707 | 5.0 | 38.7 | 86.4 | 19.5 | 4.4 |
| Beth Israel Deaconess Medical Center | Boston | 5,270 | 11.1 | 19.0 | 93.0 | 24.9 | 7.9 |
| Beverly Hospital | Beverly | 2,227 | 5.1 | 34.1 | 82.8 | 19.8 | 4.4 |
| Boston Medical Center | Boston | 2,481 | 10.0 | 87.8 | 47.3 | 24.2 | 5.8 |
| Brigham and Women's Hospital | Boston | 6,428 | 9.4 | 28.6 | 87.2 | 25.8 | 7.6 |
| Brockton Hospital | Brockton | 1,070 | 7.5 | 68.8 | 81.4 | 22.8 | 5.1 |
| Cambridge Birth Center | Cambridge | 115 | 1.7 | 19.1 | 90.4 | 13.0 | 8 |
| Cambridge Hospital | Cambridge | 1,036 | 3.9 | 61.5 | 81.8 | 23.2 | 3.4 |
| Cape Cod Hospital | Barnstable | 786 | 5.2 | 58.2 | 66.9 | 20.2 | 5.6 |
| Charlton Memorial Hospital | Fall River | 1,569 | 6.3 | 63.7 | 78.9 | 19.8 | 5.1 |
| Cooley Dickinson Hospital | Northampton | 611 | 2.3 | 43.0 | 87.8 | 16.9 | 2.9 |
| Emerson Hospital | Concord | 1,158 | 4.5 | 12.7 | 86.6 | 24.5 | 4.5 |
| Fairview Hospital | Great Barrington | 132 | 3.0 | 37.1 | 83.3 | 19.7 | 8 |
| Falmouth Hospital | Falmouth | 419 | 4.8 | 51.7 | 64.2 | 22.0 | 3.1 |
| Good Samaritan Medical Center | Brockton | 1,053 | 4.1 | 71.3 | 61.7 | 23.4 | 4.4 |
| Harrington Memorial Hospital | Southbridge | 261 | 3.8 | 70.4 | 93.9 | 17.2 | 3.4 |
| HealthAlliance Hospital | Leominster | 844 | 3.4 | 61.0 | 86.8 | 21.2 | 3.7 |
| Heywood Hospital | Gardner | 462 | 3.9 | 47.0 | 82.1 | 19.9 | 3.7 |
| Holy Family Hospital and Medical Center | Methuen | 1,064 | 3.9 | 49.8 | 81.5 | 17.7 | 4.4 |
| Holyoke Medical Center | Holyoke | 443 | 3.4 | 52.6 | 62.3 | 23.3 | 3.4 |
| Lawrence General Hospital | Lawrence | 1,422 | 6.2 | 72.5 | 73.8 | 24.4 | 5.2 |
| Lowell General Hospital | Lowell | 2,398 | 6.7 | 48.4 | 79.9 | 24.5 | 5.4 ⁸ |
| Martha's Vineyard Hospital | Oak Bluffs | 124 | | 64.5 | 91.7 | 24.2 | 8 |
| Massachusetts General Hospital | Boston | 3,785 | 8.9 | 14.8 | 85.5 | 21.0 | 7.4 |
| Melrose-Wakefield Hospital | Melrose | 956 | 2.9 | 34.9 | 86.3 | 20.9 | 4.6 |
| Mercy Medical Center | Springfield | 1,262 | 4.7 | 50.1 | 86.0 | 22.1 | 5.1 |
| Metro West Medical Center | Framingham | 893 | 5.7 | 58.4 | 72.5 | 26.4 | 6.4 |
| Milford Regional Medical Center | Milford | 978 | 4.8 | 39.4 | 90.1 | 27.1 | 4.1 |
| Morton Hospital | Taunton | 293 | 5.1 | 55.6 | 66.8 | 20.5 | 1.7 |
| Mt. Auburn Hospital | Cambridge | 2,708 | 3.2 | 16.6 | 88.2 | 19.6 | 3.5 |
| Nantucket Cottage Hospital | Nantucket | 146 | 4.8 | 60.3 | 89.7 | 20.5 | -8 |
| Newton-Wellesley Hospital ⁹ | Newton | 4,438 | 5.1 | 4.6 | 83.1 | 22.8 | 5.6 |
| North Shore Birth Center | Beverly | 100 | ⁸ | 23.0 | 94.0 | 11.0 | -8 |
| North Shore Medical Center - Salem Hospital | Salem | 1,323 | 7.0 | 61.8 | 76.3 | 23.9 | 6.3 |
| Norwood Hospital | Norwood | 451 | 5.5 | 25.8 | 77.6 | 23.5 | 3.8 |
| Saint Vincent Hospital ⁹ | Worcester | 2,076 | 4.1 | 36.1 | 79.3 | 22.5 | 5.8 |
| South Shore Hospital | Weymouth | 3,406 | 5.8 | 24.2 | 90.7 | 21.2 | 5.0 |
| St. Elizabeth's Medical Center | Boston | 1,017 | 16.8 | 39.5 | 79.0 | 22.2 | 10.6 |
| St. Luke's Hospital | New Bedford | 1,483 | 7.0 | 65.4 | 77.0 | 26.8 | 6.9 |

Table 11. Birth Characteristics by Facility/Location, Massachusetts: 2015

| | | (2) | (3) | (4) | (5) | (6) | (7) | |
|-----------------------------------|------------|-----------------------------|-------------------------|------------------------------|---|---|-------------------------------|--|
| Facility ⁽¹⁾ | Location | Occurrence Births (n) | Low Birth weight (%) | Public Pay for PNC (%) | (3) Adequate Prenatal Care (%) | (%) 11.9 13.2 23.4 24.0 20.1 ⁸ | (/) Late preterm (%) | |
| Sturdy Memorial Hospital | Attleboro | 665 | 3.9 | 14.2 | 75.3 | 11.9 | 4.4 | |
| Tobey Hospital | Wareham | 424 | 3.5 | 48.2 | 81.3 | 13.2 | 4.5 | |
| Tufts Medical Center | Boston | 1,246 | 23.8 | 49.6 | 80.1 | 23.4 | 11.9 | |
| UMass Memorial Medical Center | Worcester | 3,752 | 12.2 | 41.1 | 77.0 | 24.0 | 8.9 | |
| Winchester Hospital ⁹ | Winchester | 2,033 | 4.9 | 14.7 | 82.4 | 20.1 | 5.9 | |
| Other Hospitals | | 6 | 8 | ⁸ | 8 | ⁸ | ⁸ | |
| Home, Enroute & Dr. Office/Clinic | | 438 | 5.1 | 26.3 | 66.4 | 16.8 | 4.7 | |

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

 A licensed maternity facility is a medical unit licensed by the Commonwealth for the care of women during pregnancy and childbirth.
 Occurrence births are births that occurred at the facility, regardless of where the mother was a resident.
 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.

| | Total Population | Female Population, | Number of Teen Births | Teen Birth | Mother's Race and Hispanic Ethnicity (% of teen births) | | | | | |
|---------------------------|---------------------|-----------------------|--------------------------|-------------------|---|------------------------|----------|--------------------------------|--|--|
| Municipality ¹ | Rank | ages 15-19 | (Ages 15-19) | Rate ² | White non- Hispanic | Black non- Hispanic | Hispanic | Asian or Other ³ | | |
| State Total | | 227,033 | 2,104 | 9.4 | 34.0 | 13.5 | 49.4 | 3.1 | | |
| Arlington | 30 | 867 | _4 | _4 | _4 | _4 | _4 | _4 | | |
| Attleboro | 29 | 1,344 | 9 | 6.7 | 44.4 | 11.1 | 44.4 | 0.0 | | |
| Barnstable | 27 | 1,278 | 11 | 8.6 | 45.5 | 27.3 | 27.3 | 0.0 | | |
| Boston | 1 | 25,988 | 244 | 9.4 | 7.8 | 35.7 | 55.3 | 1.2 | | |
| Brockton | 7 | 3,354 | 77 | 23.0 | 13.0 | 54.5 | 29.9 | 2.6 | | |
| Brookline | 18 | 1,469 | -4 | -4 | _4 | -4 | _4 | _4 | | |
| Cambridge | 5 | 3,550 | -4 | -4 | _4 | -4 | _4 | _4 | | |
| Chicopee | 22 | 1,881 | 29 | 15.4 | 44.8 | 6.9 | 48.3 | 0.0 | | |
| Fall River | 10 | 2,781 | 81 | 29.1 | 61.7 | 6.2 | 27.2 | 4.9 | | |
| Framingham | 14 | 2,351 | 24 | 10.2 | 16.7 | 8.3 | 70.8 | 4.2 | | |
| Haverhill | 15 | 1,791 | 36 | 20.1 | 41.7 | 0.0 | 55.6 | 2.8 | | |
| Lawrence | 12 | 3,395 | 110 | 32.4 | 1.8 | 1.8 | 96.4 | 0.0 | | |
| Lowell | 4 | 4,118 | 84 | 20.4 | 28.6 | 14.3 | 33.3 | 23.8 | | |
| Lynn | 9 | 3,223 | 100 | 31.0 | 17.0 | 7.0 | 72.0 | 4.0 | | |
| Malden | 17 | 1,548 | 11 | 7.1 | 18.2 | 54.5 | 18.2 | 9.1 | | |
| Medford | 20 | 1,683 | 6 | 3.6 | 50.0 | 0.0 | 33.3 | 16.7 | | |
| Methuen | 26 | 1,624 | 18 | 11.1 | 27.8 | 11.1 | 61.1 | 0.0 | | |
| New Bedford | 6 | 3,037 | 92 | 30.3 | 31.5 | 7.6 | 60.9 | 0.0 | | |
| Newton | 11 | 4,195 | _4 | -4 | _4 | -4 | -4 | _4 | | |
| Peabody | 25 | 1,405 | 5 | 3.6 | 20.0 | 20.0 | 60.0 | 0.0 | | |
| Pittsfield | 28 | 1,339 | 17 | 12.7 | 64.7 | 17.6 | 5.9 | 11.8 | | |
| Plymouth | 19 | 1,641 | 11 | 6.7 | 72.7 | 18.2 | 9.1 | 0.0 | | |
| Quincy | 8 | 1,984 | 13 | 6.6 | 23.1 | 38.5 | 30.8 | 7.7 | | |
| Revere | 24 | 1,434 | 17 | 11.9 | 17.6 | 0.0 | 82.4 | 0.0 | | |
| Somerville | 13 | 1,711 | 12 | 7.0 | 8.3 | 33.3 | 58.3 | 0.0 | | |
| Springfield | 3 | 6,836 | 215 | 31.5 | 5.1 | 13.0 | 80.5 | 1.4 | | |
| Taunton | 21 | 1,744 | 20 | 11.5 | 60.0 | 20.0 | 20.0 | 0.0 | | |
| Waltham | 16 | 2,356 | _4 | _4 | _4 | -4 | -4 | | | |
| Weymouth | 23 | 1,444 | 8 | 5.5 | 100.0 | 0.0 | 0.0 | 0.0 | | |
| Worcester | 2 | 7,726 | 130 | 16.8 | 34.6 | 10.8 | 50.8 | 3.8 | | |

Table 12. Resident Teen Birth Characteristics, 30 Largest Municipalities, Massachusetts: 2015

| | Public | | Low | | | Adequacy of | Prenatal Care ⁸ | |
|---------------------------|--|------------------|---------------------------------|-----------------------------|-----------------------|-------------------|----------------------------|-------------------------|
| Municipality ¹ | Payment for Prenatal Care ⁵ (%) | Unmarried (%) | Birthweight ⁶ (%) | Preterm ⁷ (%) | Adequate Intensive | Adequate Basic | Intermediate | Inadequate ⁹ |
| State Total | 81.2 | 93.7 | 9.1 | 8.4 | 33.4 | 34.5 | 9.1 | 23.0 |
| Arlington | 100.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 0.0 | 0.0 |
| Attleboro | 55.6 | 100.0 | 22.2 | 11.1 | 55.6 | 11.1 | 0.0 | 33.3 |
| Barnstable | 81.8 | 100.0 | 18.2 | 18.2 | 9.1 | 36.4 | 18.2 | 36.4 |
| Boston | 87.4 | 96.3 | 9.8 | 11.3 | 26.2 | 35.0 | 14.3 | 24.5 |
| Brockton | 90.9 | 92.2 | 3.9 | 2.6 | 39.0 | 31.2 | 6.5 | 23.4 |
| Brookline | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 100.0 | 0.0 | 0.0 |
| Cambridge | 75.0 | 75.0 | 0.0 | 0.0 | 50.0 | 50.0 | 0.0 | 0.0 |
| Chicopee | 80.0 | 80.0 | 6.7 | 6.7 | 33.3 | 36.7 | 6.7 | 23.3 |
| Fall River | 86.4 | 93.8 | 8.6 | 7.4 | 38.7 | 25.3 | 12.0 | 24.0 |
| Framingham | 90.9 | 96.3 | 7.4 | 7.4 | 50.0 | 30.0 | 10.0 | 10.0 |
| Haverhill | 75.0 | 94.4 | 14.3 | 16.7 | 44.4 | 22.2 | 13.9 | 19.4 |
| Lawrence | 94.5 | 98.2 | 8.2 | 7.3 | 12.8 | 38.5 | 22.9 | 25.7 |
| Lowell | 81.0 | 94.0 | 10.7 | 8.3 | 38.3 | 30.9 | 8.6 | 22.2 |
| Lynn | 93.1 | 87.5 | 5.8 | 4.8 | 19.4 | 39.8 | 7.5 | 33.3 |
| Malden | 54.5 | 90.9 | 0.0 | 0.0 | 45.5 | 45.5 | 0.0 | 9.1 |
| Medford | 80.0 | 60.0 | 0.0 | 0.0 | 40.0 | 0.0 | 20.0 | 40.0 |
| Methuen | 55.6 | 94.4 | 5.6 | 11.1 | 22.2 | 50.0 | 0.0 | 27.8 |
| New Bedford | 86.0 | 92.6 | 15.6 | 9.3 | 41.3 | 35.9 | 3.3 | 19.6 |
| Newton | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| Peabody | 83.3 | 100.0 | 0.0 | 0.0 | 0.0 | 60.0 | 20.0 | 20.0 |
| Pittsfield | 64.7 | 100.0 | 11.8 | 5.9 | 17.6 | 70.6 | 0.0 | 11.8 |
| Plymouth | 83.3 | 91.7 | 8.3 | 0.0 | 33.3 | 33.3 | 8.3 | 25.0 |
| Quincy | 92.3 | 100.0 | 7.7 | 7.7 | 46.2 | 38.5 | 7.7 | 7.7 |
| Revere | 66.7 | 76.5 | 5.9 | 11.8 | 66.7 | 0.0 | 0.0 | 33.3 |
| Somerville | 72.7 | 100.0 | 16.7 | 8.3 | 16.7 | 50.0 | 0.0 | 33.3 |
| Springfield | 90.1 | 95.3 | 11.6 | 11.2 | 42.8 | 34.1 | 5.3 | 17.8 |
| Taunton | 70.0 | 95.0 | 9.5 | 4.8 | 40.0 | 25.0 | 10.0 | 25.0 |
| Waltham | 100.0 | 75.0 | 25.0 | 25.0 | 75.0 | 0.0 | 0.0 | 25.0 |
| Weymouth | 100.0 | 100.0 | 0.0 | 0.0 | 50.0 | 37.5 | 0.0 | 12.5 |
| Worcester | 77.3 | 90.0 | 13.1 | 12.3 | 29.5 | 35.7 | 14.0 | 20.9 |

Table 12 (cont'd) Resident Teen Birth Characteristics 30 Largest Municipalities Massachusetts: 2015

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 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.

| | Adequate Total ¹ | | Adequate Intensive | | Adequate Basic | | Intermediate | | Inadequate | | Unknown | |
|---|-----------------------------|------|-----------------------|------|----------------|------|--------------|-----|------------|------|---------|--|
| | n | % | n | % | n | % | n | % | n | % | n | |
| <u>Summary Index</u> Adequacy of Prenatal Care Utilization | 49,185 | 81.8 | 24,599 | 40.9 | 24,586 | 40.9 | 3,997 | 6.6 | 6,940 | 11.5 | 2,932 | |
| Component Indices Adequacy of Initiation | 53,669 | 89.3 | 19,465 | 32.4 | 34,204 | 56.9 | 3,452 | 5.7 | 3,001 | 5.0 | 2,932 | |
| Adequacy of Received Services (Visits) | 54,623 | 90.9 | 28,862 | 48.0 | 25,761 | 42.8 | 4,516 | 7.5 | 983 | 1.6 | 2,932 | |

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

| Massachusetts: 2015 | | | | | | | | | | | |
|---------------------------|--------|----------------|----------------------------|--------|---------|---------------------|----------|-----------------------|----------------------|-----------------------|--|
| | Birth | s ¹ | | Teen B | irths | | | Birthwe | eight | | |
| Race/Ethnicity and | | | <18 Yea | irs | <20 Yea | rs | Very Lov | N ² | Low ³ | • | |
| Payment Source | n | % | n | % | n | % | n | % | n | % | |
| STATE TOTAL ⁴ | 71,484 | 100.0 | 561 | 0.8 | 2,162 | 3.0 | 865 | 1.2 | 5,321 | 7.5 | |
| Public | 26,929 | 38.1 | 476 | 1.8 | 1,717 | 6.4 | 359 | 1.3 | 2,231 | 8.3 | |
| Medicaid ⁵ | 23,776 | 33.6 | 440 | 1.9 | 1,606 | 6.8 | 329 | 1.4 | 2,004 | 8.4 | |
| Other Public ⁶ | 3,153 | 4.5 | 36 | 1.1 | 111 | 3.5 | 30 | 1.0 | 227 | 7.2 | |
| Private ⁷ | 42,980 | 60.8 | 72 | 0.2 | 384 | 0.9 | 446 | 1.0 | 2,880 | 6.7 | |
| White non-Hispanic | 43,255 | 100.0 | 149 | 0.3 | 721 | 1.7 | 391 | 0.9 | 2,795 | 6.5 | |
| Public | 10,778 | 25.2 | 111 | 1.0 | 479 | 4.4 | 95 | 0.9 | 810 | 7.5 | |
| Medicaid⁵ | 9,152 | 21.4 | 103 | 1.1 | 442 | 4.8 | 85 | 0.9 | 708 | 7.7 | |
| Other Public ⁶ | 1,626 | 3.8 | 8 | 0.5 | 37 | 2.3 | 10 | 0.6 | 102 | 6.3 | |
| Private ⁷ | 31,661 | 74.0 | 37 | 0.1 | 220 | 0.7 | 268 | 0.8 | 1,872 | 5.9 | |
| | | | | | | | | | | | |
| Black non-Hispanic | 6,949 | 100.0 | 76 | 1.1 | 291 | 4.2 | 158 | 2.3 | 734 | 10.6 | |
| Public | 4,431 | 64.1 | 64 | 1.4 | 250 | 5.6 | 87 | 2.0 | 443 | 10.0 | |
| Medicaid⁵ | 3,990 | 57.7 | 57 | 1.4 | 229 | 5.7 | 79 | 2.0 | 399 | 10.0 | |
| Other Public ⁶ | 441 | 6.4 | 7 | 1.6 | 21 | 4.8 | 8 | 1.8 | 44 | 10.0 | |
| Private ⁷ | 2,303 | 33.3 | 6 | 0.3 | 31 | 1.3 | 64 | 2.8 | 264 | 11.5 | |
| Hispanic | 12,927 | 100.0 | 316 | 2.4 | 1,058 | 8.2 | 217 | 1.7 | 1,071 | 8.3 | |
| Public | 9,307 | 72.4 | 284 | 3.1 | 918 | 9.9 | 151 | 1.6 | 784 | 8.4 | |
| Medicaid⁵ | 8,489 | 66.1 | 263 | 3.1 | 867 | 10.2 | 141 | 1.7 | 724 | 8.5 | |
| Other Public ⁶ | 818 | 6.4 | 21 | 2.6 | 51 | 6.2 | 10 | 1.2 | 60 | 7.3 | |
| Private ⁷ | 3,414 | 26.6 | 25 | 0.7 | 114 | 3.3 | 50 | 1.5 | 249 | 7.3 | |
| Asian | | | _ | | | | | | | | |
| Asian | 6,473 | 100.0 | 8 | 0.1 | 49 | 0.8 | 64 | 1.0 | 553 | 8.5 | |
| Public | 1,699 | 26.4 | 8 | 0.5 | 38 | 2.2 | 14 | 0.8 | 134 | 7.9 | |
| Medicaid ⁵ | 1,527 | 23.7 | 8 | 0.5 | 37 | 2.4 ⁸ | 13 | 0.9 _ ⁸ | 124 8 | 8.1 _ ⁸ | |
| Other Public ⁶ | 172 | 2.7 | 0 | 0.0 | 1 | - | | | - | | |
| Private ⁷ | 4,658 | 72.3 | 0 | 0.0 | 10 | 0.2 | 49 | 1.1 | 407 | 8.7 | |
| Other ⁹ | 631 | 100.0 | 6 | 1.0 | 18 | 2.9 | 12 | 1.9 | 61 | 9.7 | |
| Public | 314 | 51.6 | 6 _ ⁸ | _8 | 13 | 4.1 | _8 | _8 | 33 | 10.5 | |
| Medicaid ⁵ | 277 | 45.6 | _8 | -8 | 13 | 4.7 | -8 | -8 | 29 _ ⁸ | 10.5 | |
| Other Public ⁶ | 37 | 6.1 | 0 | 0.0 | -8 | -8 | -8 | -8 | -8 | -8 | |
| Private ⁷ | 284 | 46.7 | _8 | _8 | _8 | _8 | -8 | _8 | 21 | 7.4 | |

Table 14. Birth Characteristics by Race/Hispanic Ethnicity and Source of Prenatal Care Payment,

| | Prenata | I Care | | | | | | | |
|--------|--|---|---|---|---|---|--|---|------|
| | 10 | | | | | | 11 | | . 12 |
| | | | | | | | - | | |
| n | % | n | % | n | % | n | % | n | % |
| 56,080 | 81.8 | 57,154 | 82.0 | 22,431 | 31.4 | 60,515 | 87.0 | 4,043 | 5.9 |
| 19,256 | 74.3 | 19,287 | 73.0 | 8,353 | 31.0 | 21,483 | 80.7 | 2,935 | 11.3 |
| | | , | | 7,356 | | , | | 2,635 | 11.5 |
| · · | | | | | 31.6 | 2,609 | | 300 | 9.9 |
| 36,438 | 87.6 | 37,479 | 88.6 | 13,639 | 31.7 | 38,214 | 91.2 | 1,012 | 2.4 |
| 35,386 | 85.1 | 36,327 | 85.8 | 13,599 | 31.5 | 36,100 | 86.2 | 3,173 | 7.5 |
| 8,006 | 76.9 | 8,040 | 75.7 | 3,351 | 31.1 | 7,905 | 74.4 | 2,222 | 21.3 |
| 6,815 | 77.2 | 6,797 | 75.5 | 2,843 | 31.1 | 6,626 | 73.4 | 1,985 | 22.4 |
| 1,191 | 75.1 | 1,243 | 77.3 | 508 | 31.3 | 1,279 | 79.7 | 237 | 15.1 |
| 27,110 | 88.5 | 28,021 | 89.9 | 10,030 | 31.7 | 27,860 | 90.5 | 871 | 2.8 |
| 4,632 | 69.3 | 4,640 | 68.6 | 2,446 | 35.2 | 6,009 | 87.9 | 263 | 3.9 |
| 2,764 | 64.8 | 2,768 | 64.0 | 1,516 | 34.2 | 3,754 | 85.6 | 224 | 5.2 |
| | | - | | | 34.3 | | | 203 | 5.2 |
| 263 | 62.0 | 284 | 65.9 | 149 | 33.8 | 377 | 86.7 | 21 | 4.8 |
| 1,835 | 82.1 | 1,833 | 81.0 | 847 | 36.8 | 2,085 | 92.3 | 35 | 1.6 |
| 9,650 | 77.6 | 9,684 | 76.8 | 3,927 | 30.4 | 11,040 | 86.7 | 485 | 3.9 |
| - | | • | 74.7 | • | | • | | 395 | 4.4 |
| · · | | | 74.8 | , | | | | 358 | 4.4 |
| | | 594 | | | | 719 | 88.3 | 37 | 4.7 |
| 2,827 | 85.2 | 2,836 | 84.6 | 1,081 | 31.7 | 3,064 | 91.1 | 81 | 2.5 |
| 5.231 | 82.8 | 5.238 | 82.1 | 1.895 | 29.3 | 5.858 | 91.7 | 71 | 1.1 |
| | | • | | | 27.1 | | | 57 | 3.4 |
| | | - | | | | | | | 3.7 |
| | | | | | | | | _8 | _8 |
| 3,936 | 86.1 | 4,021 | 87.1 | 1,393 | 29.9 | 4,371 | 95.0 | 13 | 0.3 |
| 414 | 72.5 | 448 | 74.7 | 230 | 36.6 | 510 | 86.9 | 46 | 7.5 |
| 198 | | 214 | | | | 249 | | | 11.6 |
| | | | | | | - | | | 11.7 |
| | | | | | | | | _8 | _8 |
| 208 | | | | | | | | 11 | 4.0 |
| | Adeq n 56,080 19,256 17,057 2,199 36,438 35,386 8,006 6,815 1,191 27,110 4,632 2,764 2,764 2,501 263 1,835 9,650 6,794 6,230 564 2,827 5,231 1,265 1,142 123 3,936 414 198 177 21 | Adequate ¹⁰ % 56,080 81.8 19,256 74.3 17,057 74.6 2,199 71.9 36,438 87.6 35,386 85.1 8,006 76.9 6,815 77.2 1,191 75.1 27,110 88.5 4,632 69.3 2,764 64.8 2,501 65.1 263 62.0 1,835 82.1 9,650 77.6 6,794 75.6 6,230 76.1 564 70.9 2,827 85.2 5,231 82.8 1,265 76.4 1,142 76.8 1,23 72.8 3,936 86.1 414 72.5 198 67.8 177 68.9 21 60.0 | Adequate ¹⁰ Trim n % n 56,080 81.8 57,154 19,256 74.3 19,287 17,057 74.6 16,973 2,199 71.9 2,314 36,438 87.6 37,479 35,386 85.1 36,327 8,006 76.9 8,040 6,815 77.2 6,797 1,191 75.1 1,243 27,110 88.5 28,021 4,632 69.3 4,640 2,764 64.8 2,768 2,501 65.1 2,484 263 62.0 284 1,835 82.1 1,833 9,650 77.6 9,684 6,794 75.6 6,819 6,230 76.1 6,225 564 70.9 594 2,827 85.2 2,836 5,231 82.8 5,238 1,265 76.4 | Adequate ¹⁰ Began 1st Trimester n % n % 56,080 81.8 57,154 82.0 19,256 74.3 19,287 73.0 17,057 74.6 16,973 72.8 2,199 71.9 2,314 74.6 36,438 87.6 37,479 88.6 35,386 85.1 36,327 85.8 8,006 76.9 8,040 75.7 6,815 77.2 6,797 75.5 1,191 75.1 1,243 77.3 27,110 88.5 28,021 89.9 4,632 69.3 4,640 68.6 2,764 64.8 2,768 64.0 2,501 65.1 2,484 63.8 263 62.0 284 65.9 1,835 82.1 1,833 81.0 9,650 77.6 9,684 76.8 6,794 75.6 6,819 74.7 | Adequate ¹⁰ Began 1st Trimester Cesare Deliver n % n % n 56,080 81.8 57,154 82.0 22,431 19,256 74.3 19,287 73.0 8,353 17,057 74.6 16,973 72.8 7,356 2,199 71.9 2,314 74.6 997 36,438 87.6 37,479 88.6 13,639 35,386 85.1 36,327 85.8 13,599 8,006 76.9 8,040 75.7 3,351 6,815 77.2 6,797 75.5 2,843 1,191 75.1 1,243 77.3 508 27,110 88.5 28,021 89.9 10,030 4,632 69.3 4,640 68.6 2,446 2,764 64.8 2,768 64.0 1,516 2,501 65.1 2,484 63.8 1,367 263 62.0 284 <td< td=""><td>Adequate¹⁰ Began 1st Trimester Cesarean Delivery n % n % 56,080 81.8 57,154 82.0 22,431 31.4 19,256 74.3 19,287 73.0 8,353 31.0 17,057 74.6 16,973 72.8 7,356 30.9 2,199 71.9 2,314 74.6 997 31.6 36,438 87.6 37,479 88.6 13,639 31.7 35,386 85.1 36,327 85.8 13,599 31.5 8,006 76.9 8,040 75.7 3,351 31.1 1,191 75.1 1,243 77.3 508 31.3 27,110 88.5 28,021 89.9 10,030 31.7 4,632 69.3 4,640 68.6 2,446 35.2 2,764 64.8 2,768 64.0 1,516 34.2 2,501 65.1 2,484 63.8 1,367</td><td>Adequate¹⁰ Began 1st Trimester Cesarean Delivery Breastfeed n % n % n % n 56,080 81.8 57,154 82.0 22,431 31.4 60,515 19,256 74.3 19,287 73.0 8,353 31.0 21,483 17,057 74.6 16,973 72.8 7,356 30.9 18,874 2,199 71.9 2,314 74.6 997 31.6 2,609 36,438 87.6 37,479 88.6 13,639 31.7 38,214 35,386 85.1 36,327 85.8 13,599 31.5 36,100 8,006 76.9 8,040 75.7 3,351 31.1 7,905 6,815 77.2 6,797 75.5 2,843 31.1 6,626 1,191 75.1 1,243 77.3 508 31.3 1,279 27,110 88.5 28,021 89.9 10,030 <td< td=""><td>Adequate¹⁰ Began 1st Trimester Cesarean Delivery Breastfeeding¹¹ n % n % n % 56,080 81.8 57,154 82.0 22,431 31.4 60,515 87.0 19,256 74.3 19,287 73.0 8,353 31.0 21,483 80.7 17,057 74.6 16,973 72.8 7,356 30.9 18,874 80.4 2,199 71.9 2,314 74.6 997 31.6 2,609 83.7 36,438 87.6 37,479 88.6 13,639 31.7 38,214 91.2 35,386 85.1 36,327 85.8 13,599 31.5 36,100 86.2 8,006 76.9 8,040 75.7 3,351 31.1 7,905 74.4 6,815 77.2 6,797 75.5 2,843 31.1 6,626 73.4 1,191 75.1 1,243 77.3 508 31.3</td><td></td></td<></td></td<> | Adequate ¹⁰ Began 1st Trimester Cesarean Delivery n % n % 56,080 81.8 57,154 82.0 22,431 31.4 19,256 74.3 19,287 73.0 8,353 31.0 17,057 74.6 16,973 72.8 7,356 30.9 2,199 71.9 2,314 74.6 997 31.6 36,438 87.6 37,479 88.6 13,639 31.7 35,386 85.1 36,327 85.8 13,599 31.5 8,006 76.9 8,040 75.7 3,351 31.1 1,191 75.1 1,243 77.3 508 31.3 27,110 88.5 28,021 89.9 10,030 31.7 4,632 69.3 4,640 68.6 2,446 35.2 2,764 64.8 2,768 64.0 1,516 34.2 2,501 65.1 2,484 63.8 1,367 | Adequate ¹⁰ Began 1st Trimester Cesarean Delivery Breastfeed n % n % n % n 56,080 81.8 57,154 82.0 22,431 31.4 60,515 19,256 74.3 19,287 73.0 8,353 31.0 21,483 17,057 74.6 16,973 72.8 7,356 30.9 18,874 2,199 71.9 2,314 74.6 997 31.6 2,609 36,438 87.6 37,479 88.6 13,639 31.7 38,214 35,386 85.1 36,327 85.8 13,599 31.5 36,100 8,006 76.9 8,040 75.7 3,351 31.1 7,905 6,815 77.2 6,797 75.5 2,843 31.1 6,626 1,191 75.1 1,243 77.3 508 31.3 1,279 27,110 88.5 28,021 89.9 10,030 <td< td=""><td>Adequate¹⁰ Began 1st Trimester Cesarean Delivery Breastfeeding¹¹ n % n % n % 56,080 81.8 57,154 82.0 22,431 31.4 60,515 87.0 19,256 74.3 19,287 73.0 8,353 31.0 21,483 80.7 17,057 74.6 16,973 72.8 7,356 30.9 18,874 80.4 2,199 71.9 2,314 74.6 997 31.6 2,609 83.7 36,438 87.6 37,479 88.6 13,639 31.7 38,214 91.2 35,386 85.1 36,327 85.8 13,599 31.5 36,100 86.2 8,006 76.9 8,040 75.7 3,351 31.1 7,905 74.4 6,815 77.2 6,797 75.5 2,843 31.1 6,626 73.4 1,191 75.1 1,243 77.3 508 31.3</td><td></td></td<> | Adequate ¹⁰ Began 1st Trimester Cesarean Delivery Breastfeeding ¹¹ n % n % n % 56,080 81.8 57,154 82.0 22,431 31.4 60,515 87.0 19,256 74.3 19,287 73.0 8,353 31.0 21,483 80.7 17,057 74.6 16,973 72.8 7,356 30.9 18,874 80.4 2,199 71.9 2,314 74.6 997 31.6 2,609 83.7 36,438 87.6 37,479 88.6 13,639 31.7 38,214 91.2 35,386 85.1 36,327 85.8 13,599 31.5 36,100 86.2 8,006 76.9 8,040 75.7 3,351 31.1 7,905 74.4 6,815 77.2 6,797 75.5 2,843 31.1 6,626 73.4 1,191 75.1 1,243 77.3 508 31.3 | |

Table 14 (cont'd). Birth Characteristics by Race/Hispanic Ethnicity and Source of Prenatal Care Payment, Massachusetts: 2015

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. 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. 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. 5. Medicaid/MassHealth. 6. Other Public: CommonHealth, Healthy Start, Medicare, other government programs, and free care. 7. Private: commercial indemnity plans or commercial managed care organizations (HMO, PPO, IPP, or IPA). It does not include Self-Paid/Other. 8. Calculations based on values of 1-4 are excluded. 9. Other: Mothers who designated their race as American Indian or "Other." 10. Based on the Adequacy of Prenatal Care Utilization (APNCU) Index. Does not include data from Newton Wellesley, Saint Vincent and Winchester hospitals because thap 20. Devised the provided the presented for the page 164. breastfed at time of discharge. 12. Mother reported smoking during pregnancy. Note: Teen births include births to female ages less than 20, not just those ages 15-19

| Table 15. Birth Characteristics: Occurrence and Resident Births,Massachusetts Municipalities: 2015 | | | | | | |
|--|-----------------------------------|---------------------|---|-------------------------------------|----------------------------------|--|
| | | | 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 | 71988 | 71484 | 5321 | 6001 | 2140 | |
| Albinatan | 0 | 100 | 40 | 1.1 | | |
| Abington Acton | 0 | 190 150 | 12 9 | 14 12 | | |
| Acushnet | 1 | 88 | 5 | 12 | • | |
| Adams | 0 | 86 | 8 | 13 | | |
| | 1 | 258 | 21 | 28 | | |
| Agawam | 0 | 258 | 0 | 28 | | |
| Alford | 2 | 151 | 12 | 20 | 0 | |
| Amesbury | | | | - | | |
| Amherst | 4 | 155 | 11 | 11 | | |
| Andover | 2 | 254 | 21 | 20 | | |
| Arlington | 5 | 585 | 33 | 47 | | |
| Ashburnham | 0 | 39 | | | 5 | |
| Ashby | 0 | 25 | | | | |
| Ashfield | 1 | 9 | | | 0 | |
| Ashland | 2 | 223 | 6 | 9 | | |
| Athol | 0 | 113 | 10 | 11 | 6 | |
| Attleboro | 666 | 496 | 37 | 40 | 9 | |
| Auburn | 1 | 135 | 8 | 16 | 0 | |
| Avon | 0 | 50 | | | | |
| Ayer | 0 | 89 | 8 | 6 | | |
| Barnstable | 792 | 380 | 30 | 33 | 11 | |
| Barre | 0 | 48 | | | | |
| Becket | 0 | 8 | | | | |
| Bedford | 3 | 131 | 7 | 11 | | |
| Belchertown | 0 | 126 | 6 | 5 | | |
| Bellingham | 2 | 176 | 13 | 16 | | |
| Belmont | 2 | 262 | 17 | 22 | 0 | |
| Berkley | 1 | 56 | | | | |
| Berlin | 0 | 24 | | | 0 | |
| Bernardston | 0 | 15 | 0 | 0 | 0 | |
| Beverly | 2328 | 413 | 26 | 36 | 5 | |
| Billerica | 1 | 439 | 34 | 32 | 5 | |
| Blackstone | 3 | 95 | 7 | 8 | 5 | |
| Blandford | 0 | 8 | 0 | 0 | 0 | |
| Bolton | 0 | 45 | 5 | 5 | 0 | |
| Boston | 20275 | 7757 | 667 | 736 | 247 | |
| Bourne | 0 | 116 | | 6 | | |
| Boxborough | 0 | 42 | | 3 | 0 | |
| Boxford | 1 | 48 | | 5 | 0 | |
| Boylston | 0 | 33 | | | 0 | |
| Braintree | 1 | 408 | 33 | 33 | | |
| Brewster | 0 | 49 | | | | |
| Bridgewater | 0 | 232 | 13 | 20 | | |
| Brimfield | 0 | 26 | 0 | 0 | | |
| Brockton | 2130 | 1591 | 153 | 156 | 77 | |
| Brookfield | 0 | 32 | | | | |
| Brookline | 1 | 609 | 30 | 39 | | |
| Buckland | 0 | 10 | | | 0 | |
| Burlington | 1 | 306 | 26 | 28 | | |

Table 15. Birth Characteristics: Occurrence and Resident Births,

Table 15. Birth Characteristics: Occurrence and Resident Births,Massachusetts Municipalities: 2015

| | | 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) | | | |
| Cambridge | 3871 | 1247 | 87 | 100 | | | | |
| Canton | 0 | 253 | 19 | 26 | 0 | | | |
| Carlisle | 0 | 30 | | | 0 | | | |
| Carver | 0 | 113 | 12 | 11 | | | | |
| Charlemont | 0 | 11 | 0 | 0 | | | | |
| Charlton | 1 | 121 | 6 | | | | | |
| Chatham | 0 | 25 | 0 | | 0 | | | |
| Chelmsford | 0 | 345 | 20 | 20 | | | | |
| Chelsea | 2 | 660 | 50 | 49 | 41 | | | |
| Cheshire | 0 | 30 | | | | | | |
| Chester | 2 | 7 | 0 | 0 | 0 | | | |
| Chesterfield | 0 | 8 | 0 | 0 | 0 | | | |
| Chicopee | 3 | 566 | 56 | 58 | 30 | | | |
| Chilmark | 0 | 10 | 0 | 0 | 0 | | | |
| Clarksburg | 0 | 14 | | | 0 | | | |
| Clinton | 1 | 176 | 17 | 25 | 6 | | | |
| Cohasset | 0 | 77 | 5 | 5 | 0 | | | |
| Colrain | 1 | 11 | 0 | | 0 | | | |
| Concord | 1163 | 107 | | | 0 | | | |
| Conway | 2 | 10 | | | 0 | | | |
| Cummington | 1 | 5 | 0 | | 0 | | | |
| Dalton | 0 | 41 | | 0 | | | | |
| Danvers | 1 | 276 | 15 | 21 | | | | |
| Dartmouth | 0 | 204 | 11 | 13 | | | | |
| Dedham | 2 | 304 | 29 | 29 | | | | |
| Deerfield | 1 | 45 | | | | | | |
| Dennis | 0 | 78 | 7 | | 5 | | | |
| Dighton | 1 | 60 | | | 0 | | | |
| Douglas | 0 | 71 | | | 5 | | | |
| Dover | 0 | 28 | | | 0 | | | |
| Dracut | 0 | 348 | 23 | 25 | 9 | | | |
| Dudley | 0 | 87 | 7 | 8 | 6 | | | |
| Dunstable | 0 | 20 | | | 0 | | | |
| Duxbury | 1 | 112 | 5 | | 0 | | | |
| East Bridgewater | 0 | 127 | 6 | 8 | | | | |
| East Brookfield | 1 | 23 | | | 0 | | | |
| East Longmeadow | 0 | 117 | 9 | 16 | | | | |
| Eastham | 0 | 25 | | | 0 | | | |
| Easthampton | 2 | 124 | 7 | 9 | | | | |
| Easton | 3 | 169 | 7 | 10 | 0 | | | |
| Edgartown | 0 | 37 | | | 0 | | | |
| Egremont | 0 | 9 | | | 0 | | | |
| Erving | 0 | 6 | | | | | | |
| Essex | 0 | 27 | | | 0 | | | |
| Everett | 0 | 624 | 50 | 61 | 23 | | | |
| Fairhaven | 1 | 118 | 9 | 14 | | | | |
| Fall River | 1575 | 1153 | 96 | 96 | 81 | | | |
| Falmouth | 420 | 200 | 19 | 19 | | | | |
| Fitchburg | 5 | 486 | 44 | 45 | 44 | | | |
| Florida | 0 | 10 | | | 0 | | | |
| Foxborough | 0 | 160 | 14 | 18 | | | | |

Table 15. Birth Characteristics: Occurrence and Resident Births,Massachusetts Municipalities: 2015

| | | 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) | | | |
| Framingham | 897 | 888 | 64 | 74 | 27 | | | |
| Franklin | 1 | 239 | 12 | 16 | | | | |
| Freetown | 0 | 75 | | | | | | |
| Gardner | 466 | 229 | 15 | 17 | 11 | | | |
| Aquinnah (Formally Gay Head) | 0 | 5 | 0 | 0 | 0 | | | |
| Georgetown | 1 | 73 | 5 | 7 | 0 | | | |
| Gill | 0 | 12 | 0 | | | | | |
| Gloucester | 2 | 228 | 18 | 20 | 6 | | | |
| Goshen | 0 | 3 | 0 | 0 | 0 | | | |
| Gosnold | 0 | 0 | 0 | 0 | 0 | | | |
| Grafton | 0 | 217 | 19 | 19 | | | | |
| Granby | 2 | 49 | | | 0 | | | |
| Granville | 1 | <u>49</u> 9 | | | 0 | | | |
| | 135 | 39 | | | | | | |
| Great Barrington Greenfield | 490 | 39 160 | | | | | | |
| | | | 8 | 9 | | | | |
| Groton | 0 | 74 | 5 | 9 | 0 | | | |
| Groveland | 0 | 43 | 6 | | 0 | | | |
| Hadley | 0 | 24 | | | | | | |
| Halifax | 0 | 67 | | 6 | | | | |
| Hamilton | 1 | 82 | 5 | | 0 | | | |
| Hampden | 0 | 24 | | | 0 | | | |
| Hancock | 0 | 6 | 0 | 0 | 0 | | | |
| Hanover | 0 | 130 | 12 | 11 | | | | |
| Hanson | 0 | 98 | 5 | 9 | | | | |
| Hardwick | 1 | 25 | | | 0 | | | |
| Harvard | 0 | 30 | | | 0 | | | |
| Harwich | 0 | 85 | 5 | 7 | | | | |
| Hatfield | 2 | 22 | 0 | 0 | | | | |
| Haverhill | 6 | 774 | 50 | 60 | 36 | | | |
| Hawley | 0 | 2 | 0 | 0 | 0 | | | |
| Heath | 0 | 3 | | | 0 | | | |
| Hingham | 1 | 227 | 13 | 17 | | | | |
| Hinsdale | 0 | 14 | | | | | | |
| Holbrook | 1 | 113 | 8 | 9 | | | | |
| Holden | 2 | 181 | 9 | 11 | | | | |
| Holland | 0 | 32 | | | 0 | | | |
| Holliston | 1 | 142 | 9 | 7 | | | | |
| Holyoke | 449 | 525 | 33 | 43 | 61 | | | |
| Hopedale | 0 | 42 | | | | | | |
| Hopkinton | 3 | 132 | 9 | 8 | 0 | | | |
| Hubbardston | 0 | 33 | | | 0 | | | |
| Hudson | 1 | 213 | 9 | 20 | | | | |
| Hull | 0 | 53 | | | | | | |
| Huntington | 0 | 20 | | | 0 | | | |
| Ipswich | 1 | 98 | 6 | 7 | 2 | | | |
| | | | | | | | | |
| Kingston | 2 | 137 | 10 | 13 | 0 | | | |
| Lakeville | 0 | 94 | 8 | 6 | | | | |
| Lancaster | 3 | 52 | 5 | 7 | | | | |
| Lanesborough | 1 | 16 | | | 0 | | | |
| Lawrence | 1425 | 1406 | 139 | 137 | 110 | | | |

Table 15. Birth Characteristics: Occurrence and Resident Births,Massachusetts Municipalities: 2015

| | | 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) | | | |
| Leicester | 0 | 97 | 8 | 8 | | | | |
| Lenox | 0 | 22 | | | 0 | | | |
| Leominster | 846 | 473 | 28 | 32 | 17 | | | |
| Leverett | 3 | 12 | 0 | 0 | 0 | | | |
| Lexington | 1 | 167 | 17 | 19 | 0 | | | |
| Leyden | 0 | 5 | 0 | 0 | 0 | | | |
| Lincoln | 1 | 84 | | 5 | 0 | | | |
| Littleton | 1 | 83 | 5 | 5 | 0 | | | |
| Longmeadow | 0 | 106 | 7 | 10 | | | | |
| Lowell | 2409 | 1568 | 128 | 126 | 84 | | | |
| Ludlow | 1 | 133 | 9 | 120 | | | | |
| Lunenburg | 0 | 94 | 8 | 8 | | | | |
| Lynn | 3 | 1530 | 125 | 132 | 104 | | | |
| Lynnfield | 2 | 131 | 8 | 132 | 0 | | | |
| Malden | 2 | 884 | <u> </u> | 66 | 11 | | | |
| Manchester | 0 | 15 | 0 | | 0 | | | |
| | - | | | 0 | - | | | |
| Mansfield | 0 | 234 | 16 | 16 | | | | |
| Marblehead | 1 | 138 | 9 | 10 | 0 | | | |
| Marion | 0 | 19 | 0 | 0 | | | | |
| Marlborough | 0 | 455 | 22 | 34 | 16 | | | |
| Marshfield | 1 | 200 | 10 | 11 | 0 | | | |
| Mashpee | 0 | 99 | 5 | | | | | |
| Mattapoisett | 0 | 38 | | 5 | 0 | | | |
| Maynard | 2 | 121 | | 5 | 0 | | | |
| Medfield | 1 | 115 | | 8 | 0 | | | |
| Medford | 0 | 732 | 51 | 64 | 6 | | | |
| Medway | 2 | 101 | 9 | 11 | | | | |
| Melrose | 957 | 377 | 15 | 25 | | | | |
| Mendon | 2 | 38 | | | 0 | | | |
| Merrimac | 1 | 56 | | | 0 | | | |
| Methuen | 1065 | 568 | 32 | 42 | 18 | | | |
| Middleborough | 3 | 218 | 15 | 19 | 10 | | | |
| Middlefield | 0 | 2 | 0 | | 0 | | | |
| Middleton | 1 | 58 | 6 | 7 | 0 | | | |
| Milford | 981 | 365 | 24 | 36 | 12 | | | |
| Millbury | 1 | 117 | 8 | 12 | | | | |
| Millis | 0 | 76 | 5 | 8 | | | | |
| Millville | 1 | 35 | 5 | 6 | 0 | | | |
| Milton | 1 | 262 | 14 | 20 | 0 | | | |
| Monroe | 0 | 2 | | | 0 | | | |
| Monson | 1 | 67 | 7 | | | | | |
| Montague | 2 | 96 | 5 | 6 | | | | |
| Monterey | 1 | 5 | 0 | 0 | 0 | | | |
| Montgomery | 0 | 5 | 0 | 0 | 0 | | | |
| Mount Washington | 0 | 1 | 0 | 0 | 0 | | | |
| Nahant | 0 | 19 | | | 0 | | | |
| Nantucket | 147 | 153 | 12 | 8 | | | | |
| Natick | 4 | 415 | 29 | 40 | | | | |
| Needham | 4 4 | 256 | 16 | 18 | | | | |
| | | 256 | 0 | 18 | | | | |
| New Ashford New Bedford | 0 1486 | 1307 | 110 | 113 | 0 97 | | | |

Massachusetts Municipalities: 2015 Resident Births² Number Low Birthweight **Teen Births** Preterm Occurrence Community (Less than 2,500 (<37 weeks (15-19 years) of births **Births**¹ gestation) grams (5.5 lbs.) New Braintree ------New Marlborough ---New Salem ---Newbury ----Newburyport ---Newton ---Norfolk North Adams North Andover ---North Attleborough North Brookfield -----North Reading Northampton --Northborough Northbridge Northfield ---Norton ---Norwell --------Norwood ---Oak Bluffs -----Oakham ---Orange ---Orleans ------Otis Oxford ---Palmer ---Paxton ------Peabody Pelham Pembroke Pepperell --Peru --------Petersham ------Phillipston Pittsfield Plainfield Plainville ---Plymouth Plympton ------Princeton ---------Provincetown ------Quincy Randolph Raynham ----Reading Rehoboth -----Revere Richmond -----Rochester ---Rockland ---Rockport ---

Table 15. Birth Characteristics: Occurrence and Resident Births,

| | | 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) | | | | |
| Rowe | 0 | 0 | 0 | 0 | 0 | | | | |
| Rowley | 0 | 49 | | | | | | | |
| Royalston | 0 | 11 | | 0 | 0 | | | | |
| Russell | 2 | 18 | 0 | | | | | | |
| Rutland | 0 | 80 | | 6 | | | | | |
| Salem | 1327 | 459 | 25 | 30 | 10 | | | | |
| Salisbury | 0 | 62 | | | | | | | |
| Sandisfield | 1 | 4 | 0 | 0 | 0 | | | | |
| Sandwich | 1 | 136 | 10 | 11 | | | | | |
| Saugus | 0 | 253 | 20 | 21 | | | | | |
| Savoy | 0 | 2 | 0 | 0 | 0 | | | | |
| Scituate | 1 | 166 | | 7 | 0 | | | | |
| Seekonk | 0 | 130 | 8 | 10 | | | | | |
| Sharon | 0 | 140 | 6 | 8 | 0 | | | | |
| Sheffield | 0 | 34 | | | | | | | |
| Shelburne | 1 | 14 | | 0 | | | | | |
| Sherborn | 0 | 25 | 0 | | 0 | | | | |
| Shirley | 0 | 48 | | 5 | | | | | |
| Shrewsbury | 2 | 328 | 18 | 25 | | | | | |
| Shutesbury | 1 | 12 | | | 0 | | | | |
| Somerset | 0 | 117 | | 5 | | | | | |
| Somerville | 6 | 876 | 91 | 90 | 12 | | | | |
| South Hadley | 0 | 138 | 5 | 8 | | | | | |
| Southampton | 0 | 45 | | | | | | | |
| Southborough | 1 | 93 | 10 | 12 | 0 | | | | |
| Southbridge | 262 | 229 | 19 | 28 | 21 | | | | |
| Southwick | 0 | 74 | 5 | 7 | | | | | |
| Spencer | 1 | 119 | 12 | 11 | 5 | | | | |
| Springfield | 5310 | 2199 | 211 | 231 | 215 | | | | |
| Sterling | 1 | 58 | 5 | 5 | 0 | | | | |
| Stockbridge | 0 | 4 | 0 | 0 | 0 | | | | |
| Stoneham | 0 | 239 | 15 | 18 | | | | | |
| Stoughton | 2 | 297 | 13 | 20 | | | | | |
| Stow | 1 | 65 | | | | | | | |
| Sturbridge | 0 | 96 | 9 | 11 | 5 | | | | |
| Sudbury | 1 | 131 | 11 | 10 | 0 | | | | |
| Sunderland | 0 | 24 | | | | | | | |
| Sutton | 1 | 59 | | | 0 | | | | |
| Swampscott | 0 | 148 | 16 | 20 | | | | | |
| Swansea | 0 | 126 | 12 | - | | | | | |
| Taunton | 293 | 612 | 61 | 67 | 21 | | | | |
| Templeton | 0 | 62 | | | | | | | |
| Tewksbury | 2 | 294 | 25 | 28 | 7 | | | | |
| Tisbury | 0 | 29 | | | 0 | | | | |
| Tolland | 0 | 3 | 0 | | 0 | | | | |
| Topsfield | 0 | 41 | 5 | 8 | 0 | | | | |
| Townsend | 0 | 71 | | 2 | 0 | | | | |
| Truro | 0 | 10 | 0 | 0 | | | | | |
| Tyngsborough | 0 | 114 | 5 | 6 | 5 | | | | |
| Tyringham | 0 | 2 | 0 | 0 | 0 | | | | |
| Upton | 0 | 51 | | 5 | | | | | |

Table 15. Birth Characteristics: Occurrence and Resident Births, Massachusetts Municipalities: 2015

Massachusetts Municipalities: 2015 Resident Births² Number Low Birthweight **Teen Births** Preterm Occurrence Community (Less than 2,500 (<37 weeks (15-19 years) of births **Births**¹ gestation) grams (5.5 lbs.) Uxbridge ---Wakefield ---Wales ------Walpole --Waltham ---Ware ---Wareham Warren ------Warwick Washington Watertown ---Wayland ---Webster Wellesley Wellfleet Wendell Wenham West Boylston ------West Bridgewater ---------West Brookfield ------West Newbury West Springfield West Stockbridge ------West Tisbury Westborough ---Westfield Westford ---Westhampton ---Westminster ---Weston Westport --Westwood ---Weymouth Whately Whitman -----Wilbraham ---Williamsburg ---Williamstown --Wilmington Winchendon --------Winchester Windsor Winthrop ---Woburn ---Worcester Worthington Wrentham ---Yarmouth 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.

Table 15. Birth Characteristics: Occurrence and Resident Births,

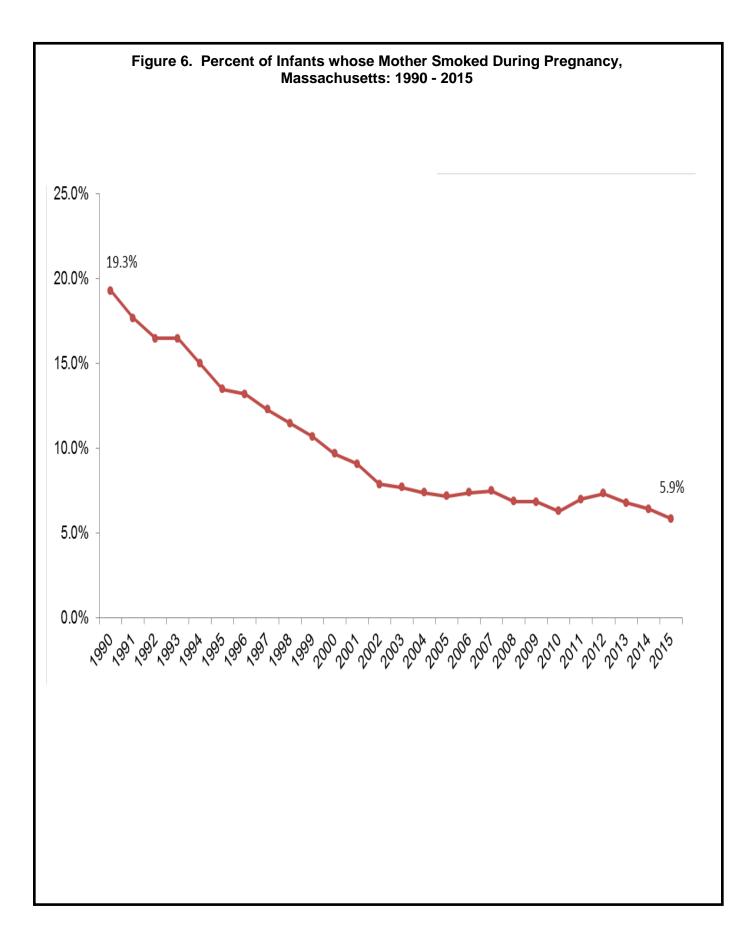
-- Due to small numbers (n=1-4), exact count not provided.

| Table 16. Birth Characteristics: Occurrence and Resident Births, by County, Massachusetts: 2015 | | | | | | | | | |
|---|------------|--------|---------------------------------|----------|------------------------------|--|--|--|--|
| 0 | Occurrence | | Resident Births ² | | | | | | |
| County Births ¹ | | Number | Low Birthweight ³ | Preterm⁴ | Teen Births (15-19 years) | | | | |
| STATE TOTAL | 71,988 | 71,484 | 5,321 | 6,001 | 2,140 | | | | |
| BARNSTABLE | 1214 | 1474 | 103 | 108 | 31 | | | | |
| BERKSHIRE | 948 | 1031 | 75 | 73 | 41 | | | | |
| BRISTOL | 4030 | 5676 | 429 | 466 | 243 | | | | |
| DUKES | 128 | 153 | 8 | 8 | - ⁵ | | | | |
| ESSEX | 6885 | 8544 | 664 | 742 | 315 | | | | |
| FRANKLIN | 505 | 581 | 32 | 36 | 20 | | | | |
| HAMPDEN | 5777 | 5133 | 419 | 498 | 359 | | | | |
| HAMPSHIRE | 632 | 1034 | 49 | 62 | 19 | | | | |
| MIDDLESEX | 15828 | 17297 | 1185 | 1340 | 250 | | | | |
| NANTUCKET | 147 | 153 | 12 | 8 | -5 | | | | |
| NORFOLK | 3891 | 7205 | 520 | 577 | 59 | | | | |
| PLYMOUTH | 3279 | 5252 | 364 | 419 | 147 | | | | |
| SUFFOLK | 20281 | 9361 | 786 | 864 | 308 | | | | |
| WORCESTER | 8442 | 8590 | 675 | 800 | 344 | | | | |

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.

| | | | | Residen | t Births ² |
|--|-----------------------------------|--------|------------------|----------|------------------------------|
| Community Health Network Area | Occurrence Births ¹ | Number | LBW ³ | Preterm⁴ | Teen Births (15-19 years) |
| STATE TOTAL | 71,988 | 71,484 | 5,321 | 6,001 | 2,14 |
| 1. Community Health Network of Berkshire County | 948 | 1,031 | 75 | 73 | 4 |
| 2. Upper Valley Health Web (Franklin County) | 506 | 729 | 46 | 51 | 2 |
| 3. Partnership for Health in Hampshire County (Northampton) | 632 | 1,014 | 48 | 60 | 1 |
| 4. The Community Health Connection (Springfield) | 5,320 | 3,467 | 294 | 348 | 25 |
| 5. Community Health Network of Southern Worcester County | 267 | 1,200 | 87 | 108 | 6 |
| 6. Community Partners for Health (Milford) | 997 | 1,614 | 111 | 139 | 4 |
| 7. Community Health Network of Greater Metro West (Framingham) | 918 | 4,354 | 280 | 359 | 6 |
| 8. Community Wellness Coalition (Worcester) | 5,852 | 3,589 | 304 | 349 | 14 |
| 9. Fitchburg/Gardner Community Health Network | 1,327 | 2,572 | 181 | 214 | 10 |
| 10. Greater Lowell Community Health Network | 2,413 | 3,275 | 248 | 252 | 11 |
| 11. Greater Lawrence Community Health Network | 2,493 | 2,599 | 230 | 244 | 13 |
| 12. Greater Haverhill Community Health Network | 724 | 1,461 | 108 | 130 | 4 |
| 13. Community Health Network North (Beverly/Gloucester) | 2,332 | 967 | 66 | 79 | 1 |
| 14. North Shore Community Health Network | 1,336 | 3,517 | 260 | 289 | 12 |
| 15. Greater Woburn/Concord/Littleton Community Health Network | 3,207 | 2,005 | 133 | 162 | 1 |
| 16. North Suburban Health Alliance (Medford/Malden/Melrose) | 961 | 3,597 | 245 | 290 | 4 |
| 17. Greater Cambridge/Somerville Community Health Network | 3,887 | 3,441 | 252 | 277 | 1 |
| 18. West Suburban Health Network (Newton/Waltham) | 4,455 | 2,542 | 184 | 179 | 1 |
| 19. Alliance for Community Health (Boston/Chelsea/Revere/Winthrop) | 20,282 | 9,970 | 816 | 903 | 30 |
| 20. Blue Hills Community Health Alliance (Greater Quincy) | 3,874 | 4,311 | 310 | 335 | |
| 21. Four (For) Communities (Holyoke, Chicopee, Ludlow, Westfield) | 457 | 1,614 | 125 | 149 | 10 |
| 22. Greater Brockton Community Health Network | 2,138 | 2,995 | 221 | 250 | 10 |
| 23. South Shore Community Partners in Prevention (Plymouth) | 718 | 1,745 | 113 | 132 | 2 |
| 24. Greater Attleboro-Taunton Health & Education Response | 965 | 2,528 | 189 | 214 | 6 |
| 25. Partners for a Healthier Community (Fall River) | 1,576 | 1,499 | 119 | 111 | 8 |
| 26. Greater New Bedford Health & Human Services Coalition | 1,912 | 2,068 | 153 | 180 | 12 |
| 27. Cape and Islands Community Health Network | 1,489 | 1,780 | 123 | 124 | |

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" or more details. 3. Less than 2,500 grams (5.5 lbs.). 4. Less than 37 weeks gestation



| Facility ¹ | Occurrence Births ² | Tot Cesar | eans | Prima Cesare | ary ans² | Repe Cesare | eat eans ² | VBAC | VBACs ² | |
|--|-----------------------------------|--------------|----------------|-----------------|-------------|----------------|--------------------------|-------|--------------------|--|
| | | Ν | % ³ | Ν | % | Ν | % | Ν | % | |
| | | | | | | | | | | |
| State Total | 70,594 | 21,710 | 30.8 | 12,081 | 20.3 | 9,629 | 87.1 | 1,424 | 12.9 | |
| Anna Jaques Hospital | 701 | 224 | 32.0 | 127 | 21.5 | 97 | 87.4 | 14 | 12.6 | |
| Baystate Franklin Medical Center | 478 | 100 | 20.9 | 43 | 10.4 | 57 | 86.4 | 9 | 13.6 | |
| Baystate Medical Center | 3,952 | 1,420 | 35.9 | 802 | 24.8 | 618 | 85.8 | 102 | 14.2 | |
| Berkshire Medical Center | 790 | 211 | 26.7 | 116 | 17.4 | 95 | 77.9 | 27 | 22.1 | |
| Beth Israel Deaconess Hospital - Plymouth | 700 | 192 | 27.4 | 101 | 17.2 | 91 | 80.5 | 22 | 19.5 | |
| Beth Israel Deaconess Medical Center | 5,108 | 1,476 | 28.9 | 892 | 20.3 | 584 | 83.0 | 120 | 17.0 | |
| Beverly Hospital | 2,194 | 578 | 26.3 | 307 | 16.3 | 271 | 86.0 | 44 | 14.0 | |
| Boston Medical Center | 2,444 | 765 | 31.3 | 491 | 23.2 | 274 | 82.5 | 58 | 17.5 | |
| Brigham and Women's Hospital | 6,211 | 1,957 | 31.6 | 1,253 | 23.4 | 704 | 83.6 | 138 | 16.4 | |
| Brockton Hospital | 1,056 | 310 | 29.4 | 143 | 16.7 | 167 | 83.1 | 34 | 16.9 | |
| Cambridge Hospital | 1,026 | 263 | 25.6 | 152 | 17.3 | 111 | 74.5 | 38 | 25.5 | |
| Cape Cod Hospital | 772 | 227 | 29.4 | 111 | 17.2 | 116 | 91.3 | 11 | 8.7 | |
| Charlton Memorial Hospital | 1,551 | 524 | 33.8 | 256 | 20.0 | 268 | 99.6 | -4 | -4 | |
| Cooley Dickinson Hospital | 607 | 189 | 31.1 | 106 | 20.8 | 83 | 85.6 | 14 | 14.4 | |
| Emerson Hospital | 1,140 | 367 | 32.2 | 203 | 21.4 | 164 | 85.0 | 29 | 15.0 | |
| Fairview Hospital | 132 | 33 | 25.0 | 20 | 16.8 | 13 | 100.0 | 0 | 0.0 | |
| Falmouth Hospital | 414 | 156 | 37.7 | 85 | 24.8 | 71 | 100.0 | 0 | 0.0 | |
| Good Samaritan Medical Center | 1,043 | 406 | 38.9 | 196 | 23.8 | 210 | 95.5 | 10 | 4.5 | |
| Harrington Memorial Hospital | 257 | 86 | 33.5 | 40 | 19.0 | 46 | 100.0 | 0 | 0.0 | |
| HealthAlliance Hospital | 841 | 235 | 27.9 | 141 | 19.1 | 94 | 91.3 | 9 | 8.7 | |
| Heywood Hospital | 454 | 102 | 22.5 | 62 | 15.3 | 40 | 81.6 | 9 | 18.4 | |
| Holy Family Hospital and Medical Center | 1,052 | 467 | 44.4 | 251 | 30.1 | 216 | 98.6 | _4 | -4 | |
| Holyoke Medical Center | 439 | 92 | 21.0 | 49 | 12.7 | 43 | 79.6 | 11 | 20.4 | |
| Lawrence General Hospital | 1,407 | 440 | 31.3 | 156 | 14.0 | 284 | 97.9 | 6 | 2.1 | |
| Lowell General Hospital | 2,355 | 744 | 31.6 | 383 | 19.5 | 361 | 91.6 | 33 | 8.4 | |
| Martha's Vineyard Hospital | 122 | 42 | 34.4 | 21 | 20.8 | 21 | 100.0 | 0 | 0.0 | |
| Massachusetts General Hospital | 3,682 | 1,064 | 28.9 | 635 | 20.1 | 429 | 81.7 | 96 | 18.3 | |
| Melrose-Wakefield Hospital | 944 | 317 | 33.6 | 182 | 22.6 | 135 | 97.8 | _4 | -4 | |
| Mercy Medical Center | 1,248 | 364 | 29.2 | 189 | 18.0 | 175 | 87.9 | 24 | 12.1 | |
| Metro West Medical Center | 878 | 311 | 35.4 | 163 | 22.9 | 148 | 88.6 | 19 | 11.4 | |
| Milford Regional Medical Center | 964 | 311 | 32.3 | 148 | 18.7 | 163 | 94.8 | 9 | 5.2 | |
| Morton Hospital | 292 | 120 | 41.1 | 72 | 29.5 | 48 | 100.0 | 0 | 0.0 | |
| Mt. Auburn Hospital | 2,675 | 621 | 23.2 | 438 | 18.2 | 183 | 68.5 | 84 | 31.5 | |

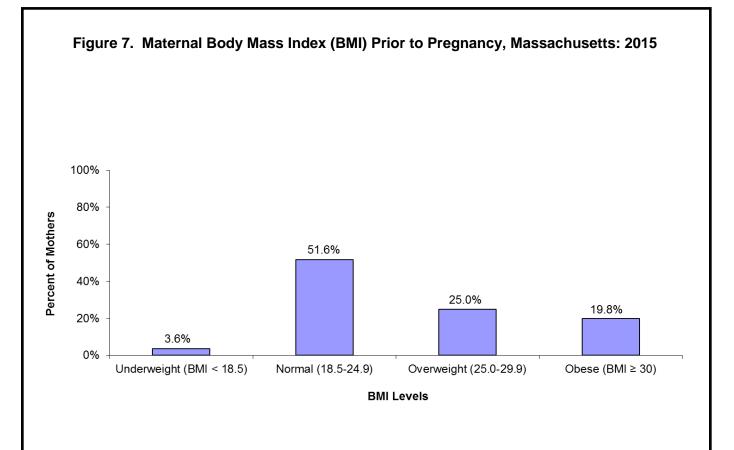
Table 18. Cesarean Deliveries and Vaginal Births after Cesarean (VBACs) by LicensedMaternity Facility, All Mothers, Massachusetts: 2015

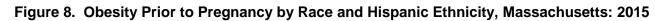
Table 18. Cesarean Deliveries and Vaginal Births after Cesarean (VBACs) by LicensedMaternity Facility, All Mothers, Massachusetts: 2015

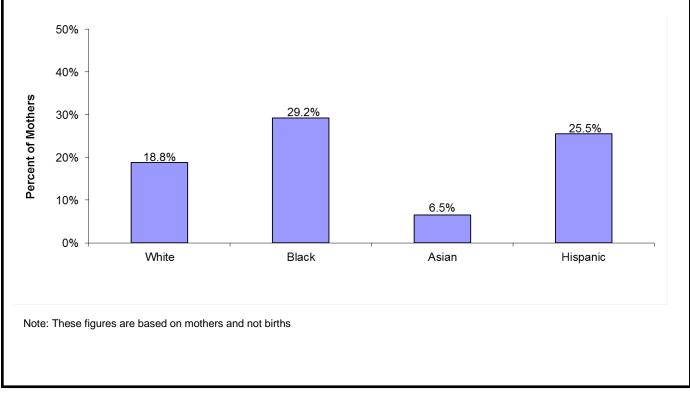
| Nantucket Cottage Hospital | 146 | 42 | 28.8 | 25 | 19.4 | 17 | 100.0 | 0 | 0.0 |
|--|-------|-------|------|-----|------|-----|-------|-----|------|
| Newton-Wellesley Hospital | 4,350 | 1,341 | 30.8 | 732 | 19.9 | 609 | 89.8 | 69 | 10.2 |
| North Shore Medical Center - Salem Hospital | 1,310 | 385 | 29.4 | 188 | 17.1 | 197 | 94.7 | 11 | 5.3 |
| Norwood Hospital | 447 | 156 | 34.9 | 81 | 22.3 | 75 | 89.3 | 9 | 10.7 |
| Saint Vincent Hospital | 2,056 | 611 | 29.7 | 357 | 20.5 | 254 | 80.1 | 63 | 19.9 |
| South Shore Hospital | 3,339 | 1,195 | 35.8 | 613 | 22.9 | 582 | 88.0 | 79 | 12.0 |
| St. Elizabeth's Medical Center | 981 | 373 | 38.0 | 230 | 28.5 | 143 | 81.7 | 32 | 18.3 |
| St. Luke's Hospital | 1,465 | 469 | 32.0 | 204 | 17.0 | 265 | 99.6 | -4 | -4 |
| Sturdy Memorial Hospital | 662 | 176 | 26.6 | 97 | 16.8 | 79 | 91.9 | 7 | 8.1 |
| Tobey Hospital | 414 | 78 | 18.8 | 44 | 11.6 | 34 | 100.0 | 0 | 0.0 |
| Tufts Medical Center | 1,188 | 476 | 40.1 | 282 | 29.4 | 194 | 85.1 | 34 | 14.9 |
| UMass Memorial Medical Center | 3,655 | 1,052 | 28.8 | 549 | 18.0 | 503 | 83.0 | 103 | 17.0 |
| Winchester Hospital | 1,999 | 641 | 32.1 | 344 | 20.6 | 297 | 90.3 | 32 | 9.7 |

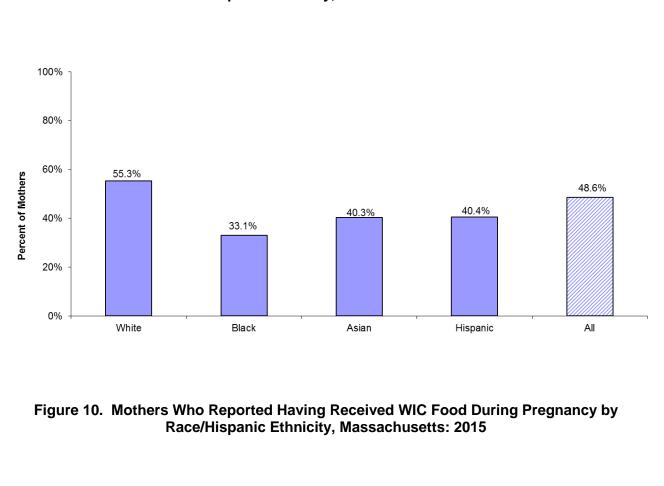
NOTE: This table is based on mothers and not births. All percentages are calculated based on only those mothers with known values for the characteristic(s) of interest

1. A licensed maternity facility is a medical unit licensed by the Commonwealth for the care of women during pregnancy and childbirth. 2. 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. 3. 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. 4. Calculations based on values of 1-4 are excluded.

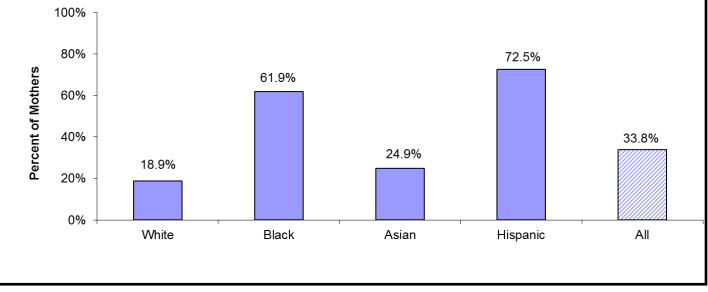




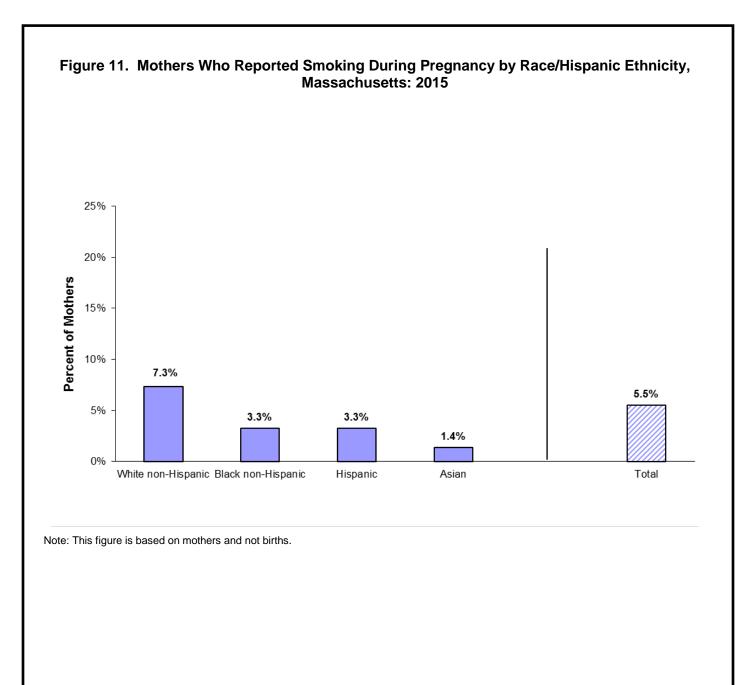








Note: These figures are based on mothers and not births



| | Technology without Insemina | eproductive (ART) with or Artificial tion and/or y Drugs ² | Artificial Insem without Fert | Fertility Enhancing Drugs Only ⁴ | | |
|--|-----------------------------------|---|----------------------------------|--|-----|----------------|
| | N | % ⁵ | N | % ⁵ | N | % ⁵ |
| State total | 2294 | 73.3% | 415 | 13.3% | 419 | 13.4% |
| | Ма | aternal Demog | raphics | | | |
| Race/Hispanic Ethnicity | N | % ⁶ | N | % ⁶ | N | % ⁶ |
| White non-Hispanic | 1790 | 78.8% | 333 | 81.4% | 300 | 64.4% |
| Black non-Hispanic | 86 | 3.8% | 16 | 3.9% | 22 | 4.7% |
| Asian | 278 | 12.2% | 36 | 8.8% | 54 | 11.6% |
| Hispanic | 102 | 4.5% | 23 | 5.6% | 86 | 18.5% |
| Other | 15 | 0.7% | _10 | _10 | -10 | ¹⁰ |
| Birthplace | | | | | | |
| US States / D.C./US Terr. | 1754 | 76.5% | 354 | 85.3% | 309 | 73.7% |
| Non-US-born | 540 | 23.5% | 61 | 14.7% | 110 | 26.3% |
| Prenatal care funding | | | | | | |
| Public | 98 | 4.3% | 36 | 8.7% | 46 | 11.0% |
| Private, other | 2185 | 95.7% | 378 | 91.3% | 371 | 89.0% |
| Age | | | 0.0 | 0.11070 | 0.1 | 001070 |
| 20-29 | 101 | 6.8% | 35 | 10.4% | 75 | 21.7% |
| 30-34 | 483 | 32.6% | 137 | 40.9% | 150 | 43.4% |
| 35-39 | 582 | 39.3% | 134 | 40.0% | 93 | 26.9% |
| 40+ | 316 | 21.3% | 29 | 8.7% | 28 | 8.1% |
| 7 | Preç | gnancy-Related | d Factors | | 1 | |
| Adequacy of Prenatal Care ⁷ | | | | | | |
| Adequate Total ⁸ | 2019 | 90.3% | 374 | 93.5% | 348 | 89.5% |
| Adequate Intensive | 1125 | 50.3% | 229 | 57.3% | 207 | 53.2% |
| Adequate Basic | 894 | 40.0% | 145 | 36.3% | 141 | 36.2% |
| Intermediate | 123 | 5.5% | 12 | 3.0% | 20 | 5.1% |
| Inadequate/None | 94 | 4.2% | 14 | 3.5% | 21 | 5.4% |
| Parity ⁹ | | | | | 1 | |
| 1 | 1149 | 57.7% | 304 | 73.3% | 262 | 62.5% |
| 2 | 668 | 33.5% | 91 | 21.9% | 128 | 30.5% |
| 3+ | 175 | 8.8% | 20 | 4.8% | 29 | 6.9% |
| | | Birth Outcon | nes | | | |
| Gestational age | | | | | | |
| < 28 weeks (extremely preterm) | 23 | 1.00% | 6 | 1.45% | 6 | 1.43% |
| < 37 weeks (preterm) ¹¹ | 396 | 17.26% | 56 | 13.49% | 58 | 13.84% |
| 37+ | 1898 | 82.74% | 359 | 86.51% | 361 | 86.16% |
| Plurality | | | | | | |
| Singleton | 1938 | 84.48% | 377 | 90.84% | 365 | 87.11% |
| Multiple birth | 356 | 15.52% | 38 | 9.16% | 54 | 12.89% |

Table 19. Mothers¹ Who Used Infertility Treatments, Massachusetts: 2015

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.

Categories presented are mutually exclusive.
 The unit of analysis for this table is unique mothers, not births.
 The unit of analysis for this table is unique mothers, not births.
 This category includes all women who used ART (typically IVF) and those who used any additional treatments.
 This category includes women who used artificial insemination (including intrauterine insemination) and those who used fertility drugs in addition.
 This category includes women who used artificial insemination (including intrauterine insemination) and those who used fertility drugs in addition.
 This category includes women who used artificial insemination (including intrauterine insemination) and those who used fertility drugs in addition.
 The unit of analysis for this table is unique mothers, not births.
 Based on table to table.
 Based on Adequate Total = Adequate Basic + Adequate Intensive.
 Number of live births including the current birth.
 Numbers and calculations based on 1-4 events are excluded.
 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 may choose more than one.

| African (specify): | ☐ Japanese | | | |
|-------------------------------|---|--|--|--|
| African-American | C 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): | | | |

| <u>1989 revision</u> | | | | | | | |
|---|---|--|--|--|--|--|--|
| MOTHER'S RACE Please mark the one category that best describes the mother's race: | | | | | | | |
| □ White □ Black □ Asian/Pacific Islander | □ American Indian □ Other (specify) | | | | | | |
| MOTHER's ANCESTRY Please mark the one category ethnic heritage: | that best describes the mother's ancestry of | | | | | | |
| HISPANIC/LATINA | AFRICAN/AFRICAN AMERICAN | | | | | | |
| 1 Puerto Rican 7 Other Central American (specify) 2 Dominican | 29 African-American/ Afro-American 30 Nigerian 31 Other African specify): | | | | | | |
| 5 Colombian 9 Other Hispanic/Latina (specify): 6 Salvadoran | MIDDLE EASTERN 32 Lebanese | | | | | | |
| ASIAN/PACIFIC ISLANDER | 33⊡Iranian 34⊡Israeli | | | | | | |
| 10Chinese17Laotian11Vietnamese18Pakistani12Cambodian19Thai13Asian Indian20Hawaiian14Korean21Other Asian/Pacific Islander(specify)15Filipino | 35 Other Middle Eastern (specify): AMERICAN ANCESTRY 36 Native American/ American Indian (specify tribe/affiliation): 37 American | | | | | | |
| PORTUGUESE SPEAKING | EUROPEAN and OTHER ancestries | | | | | | |
| 22 Cape Verdean 24 Other Portuguese (specify): 23 Brazilian | 38□European (specify): | | | | | | |
| WEST INDIAN/CARIBBEAN ISLANDER | 39 Other (specify): | | | | | | |
| 25 Haitian 28 OtherWest Indian/Caribbean Islander (specify): | | | | | | | |
| | | | | | | | |

| | | | city (inutuality e | - | | | |
|----------------|--------------------|------------------------|------------------------|--|------------------------|-----------------------|--|
| Age Group | Total ¹ | White Non- Hispanic | Black Non- Hispanic | Native American Non- Hispanic | Asian Non- Hispanic | Hispanic ² | |
| Female | | | | | | | |
| 0 to 4 | 179,090 | 111,529 | 17,543 | 439 | 13,958 | 35,621 | |
| 5 to 9 | 183,093 | 118,334 | 17,449 | 453 | 13,940 | 32,917 | |
| 10 to 14 | 194,065 | 131,237 | 17,371 | 500 | 13,993 | 30,964 | |
| 15 to 19 | 227,033 | 157,086 | 19,946 | 558 | 16,730 | 32,713 | |
| 20 to 24 | 247,165 | 167,687 | 22,323 | 621 | 21,374 | 35,160 | |
| 25 to 29 | 243,192 | 165,462 | 20,168 | 572 | 24,278 | 32,712 | |
| 30 to 34 | 230,406 | 156,633 | 18,752 | 494 | 23,568 | 30,959 | |
| 35 to 39 | 210,482 | 142,566 | 17,550 | 437 | 20,830 | 29,099 | |
| 40 to 44 | 215,680 | 153,260 | 16,769 | 430 | 19,381 | 25,840 | |
| 45 to 49 | 240,532 | 183,176 | 17,346 | 557 | 16,110 | 23,343 | |
| 50+ | 1,327,566 | 1,123,953 | 72,428 | 2,641 | 55,615 | 72,929 | |
| All | 2 400 204 | 2 640 022 | 057 645 | 7 700 | 220 777 | 202.057 | |
| Females | 3,498,304 | 2,610,923 | 257,645 Male | 7,702 | 239,777 | 382,257 | |
| 0 to 4 | 187,472 | 116,913 | 18,758 | 450 | 14,216 | 37,135 | |
| 5 to 9 | 190,954 | 124,022 | 18,473 | 481 | 14,145 | 33,833 | |
| 10 to 14 | 201,865 | 137,250 | 18,224 | 512 | 13,830 | 32,049 | |
| 15 to 19 | 229,398 | 159,207 | 20,115 | 551 | 15,396 | 34,129 | |
| 20 to 24 | 247,977 | 166,981 | 22,695 | 701 | 19,726 | 37,874 | |
| 25 to 29 | 243,326 | 164,919 | 20,783 | 645 | 21,483 | 35,496 | |
| 30 to 34 | 226,924 | 155,117 | 17,889 | 502 | 21,132 | 32,284 | |
| 35 to 39 | 202,791 | 139,135 | 16,440 | 369 | 17,845 | 29,002 | |
| 40 to 44 | 205,140 | 147,241 | 15,423 | 452 | 18,062 | 23,962 | |
| 45 to 49 | 228,099 | 175,496 | 15,675 | 522 | 15,046 | 21,360 | |
| 50+ | 1,132,172 | 962,744 | 58,759 | 2,474 | 48,382 | 59,813 | |
| All | | | | | | | |
| Males | 3,296,118 | 2,449,025 | 2,043,234 | 7,659 | 219,263 | 376,937 | |
| | | | | | | | |
| 0 to 4 | 366,562 | 228,442 | 36,301 | 889 | 28,174 | 72,756 | |
| 5 to 9 | 374,047 | 242,356 | 35,922 | 934 | 28,085 | 66,750 | |
| 10 to 14 | 395,930 | 268,487 | 35,595 | 1,012 | 27,823 | 63,013 | |
| 15 to 19 | 456,431 | 316,293 | 40,061 | 1,109 | 32,126 | 66,842 | |
| 20 to 24 | 495,142 | 334,668 | 45,018 | 1,322 | 41,100 | 73,034 | |
| 25 to 29 | 486,518 | 330,381 | 40,951 | 1,217 | 45,761 | 68,208 | |
| 30 to 34 | 457,330 | 311,750 | 36,641 | 996 | 44,700 | 63,243 | |
| 35 to 39 | 413,273 | 281,701 | 33,990 | 806 | 38,675 | 58,101 | |
| 40 to 44 | 420,820 | 300,501 | 32,192 | 882 | 37,443 | 49,802 | |
| 45 to 49 | 468,631 | 358,672 | 33,021 | 1,079 | 31,156 | 44,703 | |
| 50+ | 2,459,738 | 2086,697 | 131,187 | 5,115 | 103,997 | 132,742 | |
| State Total | 6,794,422 | 5,059,948 | 500,879 | 15,361 | 459,040 | 759,194 | |

Table A1. 2015 Massachusetts Population Estimates by Age Group, Gender, Race/Hispanic Ethnicity (mutually exclusive)

1. <u>National Center for Health Statistics</u>. Postcensal estimates of the resident population of the United States for July 1, 2010-July 1, 2015, by year, county, single-year of age (0, 1, 2, ..., 85 years and over), bridged race, Hispanic origin, and sex (Vintage 2015). Prepared under a collaborative arrangement with the U.S. Census Bureau. Available from: <u>http://www.cdc.gov/nchs/nvss/bridged.race.htm</u> as <u>of</u> September 2016, following release by the U.S. Census Bureau of the unbridged Vintage 2015 postcensal estimates by 5-year age.

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

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