Report of Tennessee Births 2012

Department of Health
Division of Policy, Planning and Assessment
Office of Health Statistics

November 2013

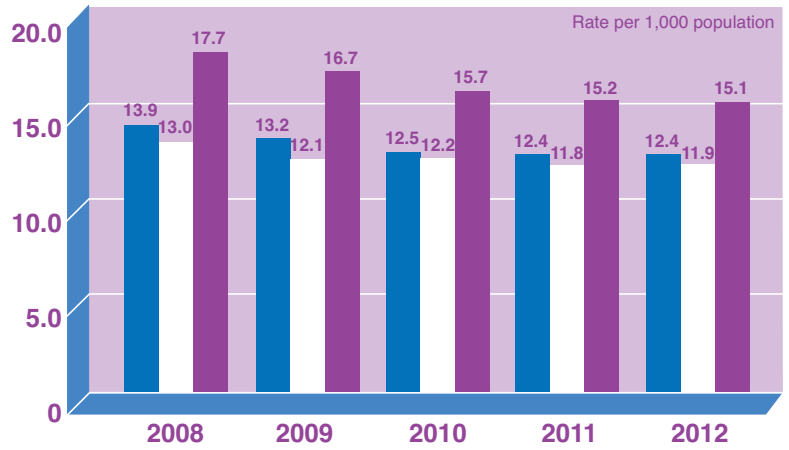
Introduction

Report of Tennessee Births 2012 provides information on final birth data for state residents. Resident data include events that occurred to residents of Tennessee irrespective of where the events took place. Birth certificates filed with the Tennessee Department of Health, Office of Vital Records supplied the data for this report. Tennessee's total birth trend indicates a gradual decline since the late 1940s when the rates were at record highs.

- The 2012 total birth rate of 12.4 per 1,000 population decreased 10.8 percent from the rate of 13.9 in 2008.
- The 2012 white rate (11.9) decreased 8.5 percent from the rate of 13.0 in 2008, while the black rate (15.1) decreased 14.7 percent.
- From 2003 to 2012, Tennessee's adolescent birth rates decreased, while the birth percentages for unmarried women increased.
- In 2012, the percent of multiple births (3.2) was higher than the percentage in 2003.
- The 2012 low birthweight percentage of 9.2 decreased 2.1 percent during the ten-year period of 2003-2012.

- In 2012, there were 80,202 total live births to Tennessee residents. Of the total, 60,792 or 75.8 percent were white and 16,560 or 20.6 percent were black births.
- There were 2,206 births to females ages 10 through 17 in 2012. This number represented a 7.7 percent decrease for this age group from 2011.
- In 2012, there were 8,539 births to females 35 years and older. Births for this age group increased 2.3 percent over the previous year.

LIVE BIRTHS BY RACE OF MOTHER, RESIDENT DATA, TENNESSEE, 2008-2012



Population estimates for 2008-2009 used to calculate rates were revised February 2008. (SEE NOTE ON LAST PAGE.) Population estimates for 2010 were based on 2010 Census data. Population estimates for 2011 and 2012 were interpolated from the Census five-year age cohort estimates. Total includes births to other racial groups or race not stated.
Source: Tennessee Department of Health, Division of Policy, Planning and Assessment, Office of Health Statistics

NUMBER OF LIVE BIRTHS BY AGE AND RACE OF MOTHER, RESIDENT DATA, TENNESSEE, 2012

Age Groups	Total	White	Black
Total	80,202	60,792	16,560
10-14 years	89	52	35
15-17 years	2,117	1,403	687
18-19 years	5,772	3,995	1,697
20-24 years	23,153	16,466	6,186
25-34 years	40,512	32,155	6,647
35-44 years	8,457	6,658	1,295
45+ years	82	62	11
Unknown	20	1	2

Source: Tennessee Department of Health, Division of Policy, Planning and Assessment, Office of Health Statistics

PERCENT OF BIRTHS BY TRIMESTER PRENATAL CARE BEGAN, AND RACE OF MOTHER, RESIDENT DATA, TENNESSEE, 2012

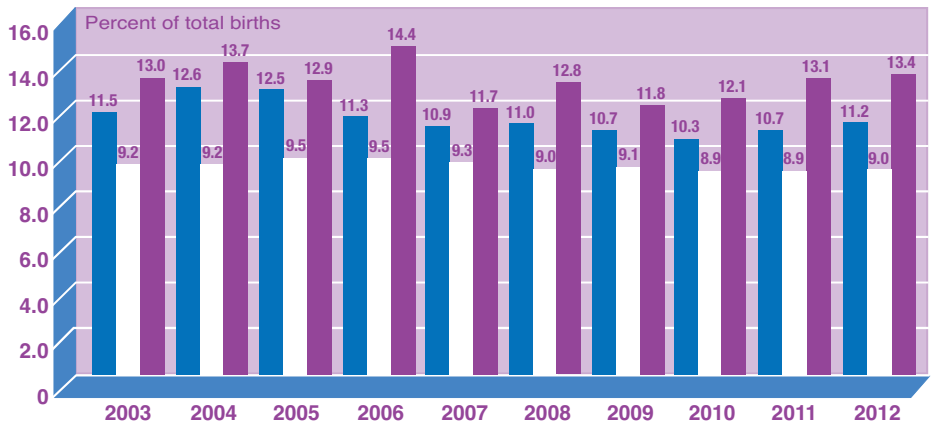
	Total Percent	White Percent	Black Percent
First Trimester	70.1	72.6	60.8
Second Trimester	23.1	21.7	27.9
Third Trimester	4.8	4.3	6.3
No care	2.1	1.3	5.0

Percentages based on number of births with prenatal care reported.
Source: Tennessee Department of Health, Division of Policy, Planning and Assessment, Office of Health Statistics

- In 2012, the percent of total births with first trimester prenatal care was 70.1.
- The percent of white births with first trimester care was 72.6, while the percent for black births was 60.8 in 2012. (Percentages are based on births with prenatal care reported.)
- Tennessee's percent of no care was 2.1, with white mothers having the lowest percentage (1.3) of no care. The percent of black mothers with no care was 5.0 in 2012.

- Adolescents (10 through 17) and mothers aged 40 years and older face a greater risk of having low birthweight babies.
- In 2012, the low birthweight percentage of total births to mothers ages 10 through 17 was 11.2. This was a 2.6 percent decrease from the low birthweight percentage of 11.5 in 2003.
- The percent of total births to mothers ages 40 years and older that were low birthweight (13.4) increased 3.1 percent from 2003 to 2012.

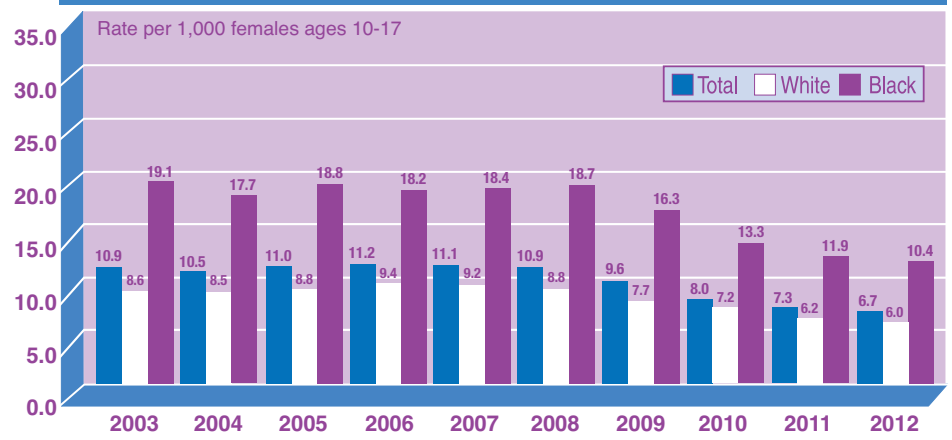
LOW BIRTHWEIGHT* PERCENTAGES OF BIRTHS TO MOTHERS, BY AGE GROUP, RESIDENT DATA, TENNESSEE, 2003-2012



** A live birth weighing less than 2,500 grams.*

Source: Tennessee Department of Health, Division of Policy, Planning and Assessment, Office of Health Statistics

- Adolescent (10 through 17) births by race, revealed the highest rates per 1,000 females were for black females for the period 2003 through 2012.
- The black adolescent birth rate of 10.4 was 1.7 times the white adolescent birth rate of 6.0 in 2012.
- The total birth rate for adolescents declined 38.5 percent from 2003 to 2012, while the rates for white females decreased 30.2 percent.
- For the ten-year period, the black adolescent birth rate decreased 45.5 percent.



Population estimates for 2003-2009 used to calculate rates were revised February 2008. (SEE NOTE ON LAST PAGE.) Population estimates for 2010 were based on the 2010 Census data. Population estimates for 2011-2012 were interpolated from the Census five-year age cohort estimates. Total includes births to other racial groups or race not stated.
Source: Tennessee Department of Health, Division of Policy, Planning and Assessment, Office of Health Statistics

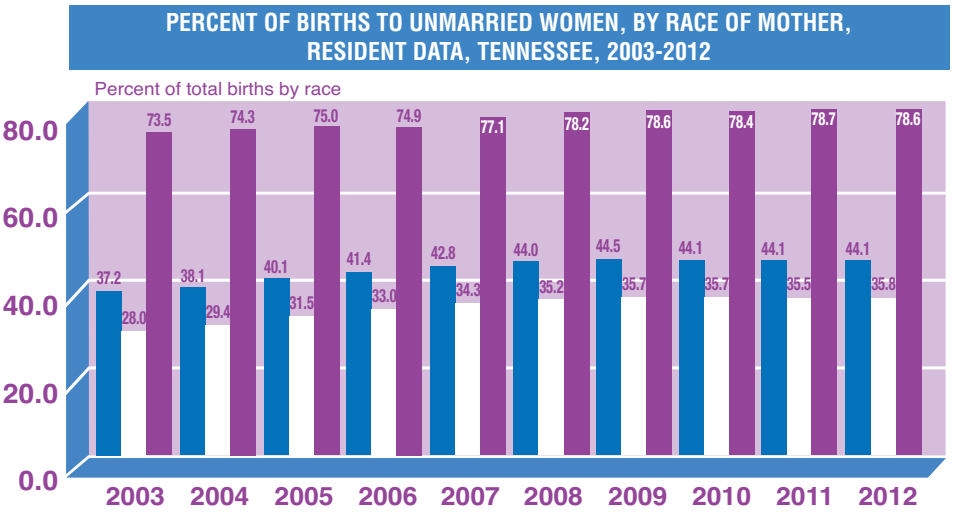
- The percent of births to unmarried females by age showed the highest percentages for females ages 10 through 14 and 15 through 17.
- In 2012, 99.9 percent of births to black females ages 10 through 17 were to unmarried adolescents, compared to 90.5 percent for unmarried white females.
- Generally the percent of unmarried mothers declined as the age of the mother increased.
- The negative effects of births to unmarried adolescents include social and economic consequences resulting from interruption of education.

NUMBER OF BIRTHS TO UNMARRIED FEMALES BY AGE, WITH PERCENTAGE OF TOTAL BIRTHS BY AGE, RESIDENT DATA, TENNESSEE, 2012

Age Groups	Total Number	Percent	White Number	Percent	Black Number	Percent
Total	35,400	44.1	21,744	35.8	13,012	78.6
10-14 years . . .	88	98.9	52	100.0	34	97.1
15-17 years . . .	1,976	93.3	1,265	90.2	687	100.0
18-19 years . . .	4,801	83.2	3,083	77.2	1,661	97.9
20-24 years . . .	14,671	63.4	8,833	53.6	5,597	90.5
25-34 years . . .	11,981	29.6	7,299	22.7	4,424	66.6
35-44 years . .	1,858	22.0	1,197	18.0	605	46.7
45+ years . . .	20	24.4	15	24.2	3	27.3

Total includes births to other racial groups or race and age not stated.
Source: Tennessee Department of Health, Division of Policy, Planning and Assessment, Office of Health Statistics

- For the years 2003 through 2012, the percentages of births to unmarried black women were almost twice the total unmarried percentages and were from two to three times the percentages for unmarried white mothers.
- Total births to unmarried women increased 18.5 percent from 2003 to 2012, while the increase for white women was 27.9 percent.
- For black women the percent increased from 73.5 in 2003 to 78.6 in 2012.



Total includes births to other racial groups or race not stated.
Source: Tennessee Department of Health, Division of Policy, Planning and Assessment, Office of Health Statistics

- The 2012 number of low birthweight (less than 2,500 grams) infants born to Tennessee residents was 7,359.
- The low birthweight percentage of 9.2 occurring in 2012 increased 2.2 percent over 2011.
- The percent of total births that were multiple births was 3.2. Of the total multiple births in 2012, 60.7 percent were low birthweight infants. This was a 5.9 percent decrease from the percent (64.5) of low weight multiple births in 2003.

NUMBER AND PERCENT OF BIRTHS BY WEIGHT AND RACE OF MOTHER, RESIDENT DATA, TENNESSEE, 2012

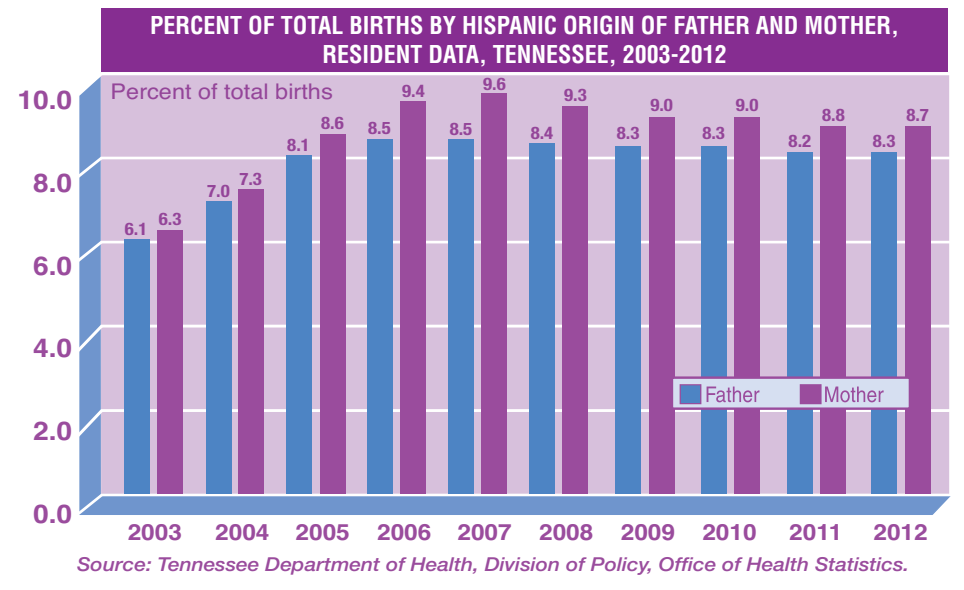
	Total Number	Percent	White Number	Percent	Black Number	Percent
Total	80,202	100.0	60,792	100.0	16,560	100.0
Under 2500 grams	7,359	9.2	4,779	7.9	2,315	14.0
1-1499	1,254	1.6	728	1.2	485	2.9
1500-2499 . . .	6,105	7.6	4,051	6.7	1,830	11.1
2500+ grams . .	72,257	90.8	55,989	92.1	14,225	85.9

Total includes births to other racial groups or race and weight not stated.
Source: Tennessee Department of Health, Division of Policy, Planning and Assessment, Office of Health Statistics

- In 2012, 8.3 percent of fathers and 8.7 percent of mothers reported Hispanic origin for Tennessee's total resident births.
- The percentage of Hispanic births for fathers increased while the percent for mothers decreased from 2011 to 2012.

More detailed county level birth data may be obtained by contacting the Tennessee Department of Health, Office of Health Statistics or by visiting our website at:

health.state.tn.us



Source: Tennessee Department of Health, Division of Policy, Office of Health Statistics.

2012 Total Population 6,456,121	2012 White Population 5,117,466	2012 Black Population 1,097,867
2012 Total Female (10-17) Population 328,208	2012 White Female (10-17) Population 242,417	2012 Black Female (10-17) Population 69,143

NOTE: The population estimates for Tennessee used to calculate the rates in this report for 2003 - 2009 were based on figures prepared from the 2000 Census in February 2008 by the Office of Health Statistics. The population estimates for 2010 were based on the 2010 Census data. Population estimates for 2011 and 2012 were interpolated from the Census five-year age cohort estimates (CC-EST2012-ALLDATA-[ST-FIPS] May 2013) by the Office of Health Statistics. These population figures may result in rates that differ from those published in previous time periods.

THE MISSION OF THE DEPARTMENT OF HEALTH IS TO PROTECT, PROMOTE AND IMPROVE THE HEALTH AND PROSPERITY OF PEOPLE IN TENNESSEE.

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