

STATISTICAL NOTE

REPORTED PREGNANCIES AND PREGNANCY RATES IN THE DISTRICT OF COLUMBIA 2011-2015

**Department of Health
Center for Policy, Planning, and Evaluation
State Center for Health Statistics**

**Government of the District of Columbia
Muriel Bowser, Mayor**

**October 31, 2017
Final**



ACKNOWLEDGMENTS

**LaQuandra S. Nesbitt MD, MPH
Director
D.C. Department of Health**

**Fern Johnson-Clarke, PhD
Senior Deputy Director
Center for Policy, Planning, and Evaluation**

Prepared by:

**Nikhil Roy, MSc
Statistician
Center for Policy, Planning and Evaluation**

Contributing Members:

**Monica Roundtree, Vital Statistics Specialist
George N.F. Siaway, PhD
Public Health Analyst/GIS Coordinator
Center for Policy, Planning and Evaluation**

**October 31, 2017
Final**

Table of Contents

	<u>Page</u>
Introduction.....	1
Pregnancies.....	1
Live Births	2
Induced Abortions	3
Fetal Deaths	3
Summary.....	4
Appendices: Census 2010 and 2015 Estimated Population by Age and Gender, District of Columbia	16
2010 Census Population and 2011- 2015 Estimated Population by Selected Age for Women: District of Columbia	17
2000 and 2010 Census Population, 2011- 2015 Estimated Population by Individual Age for Women Aged 15 to 19 Years, District of Columbia	18
Technical Notes	19
References	22

List of Tables

Table 1. Number of Reported Pregnancies and Pregnancy Rates by Outcome of Pregnancy and Age of Women: District of Columbia, 2011-2015.....	5
Table 2. Percent of Reported Pregnancies Ending as a Live Birth, Induced Abortion, or Fetal Death by Age of Women: District of Columbia, 2011-2015	6
Table 3. Number of Reported Pregnancies, Live Births, Induced Abortions, and Fetal Deaths by Race/Ethnicity of Women: District of Columbia, 2011-2015.....	7
Table 4. Number of Reported Pregnancies by Outcome and Age Specific Rates for Teenagers Aged 15-19 Years by Age: District of Columbia, 2011-2015.....	8

List of Figures

Figure 1. Abortion Rate and Fertility Rate: District of Columbia, 2011-2015..	9
Figure 2A. Percent of Reported Pregnancies Ending as a Live Birth by Age: District of Columbia, 2011-2015	10
Figure 2B. Percent of Reported Pregnancies Ending as Abortion by Age: District of Columbia, 2011-2015	11
Figure 3. Percent of Reported Pregnancies Ending as a Live Birth by Age: District of Columbia, 2014-2015	12
Figure 4. Spatial Pattern of District of Columbia Teen Births, 2015.....	13
Figure 5. Hot Spots Analysis of District of Columbia Teen Births, 2015	14

Reported Pregnancies and Pregnancy Rates in the District of Columbia, 2011 - 2015

Introduction

This report provides statistics on the pregnancies of District of Columbia (D.C.) resident women, which were reported to the Department of Health (DOH) during the five-year period of 2011-2015. The pregnancy outcome categories included in this report are live births, induced abortions, and fetal deaths of at least 20 weeks gestation or weighing at least 500 grams. Fetal deaths less than 20 weeks of gestation or less than 500 grams and abortions not reported to the DOH are not included. Abortion reporting is voluntary in D.C. and the DOH does not receive reports on abortions performed in private physicians' offices. Abortions performed on District residents outside Washington, D.C. are included; however, demographic information on abortions performed outside Washington, D.C. on D.C. residents is either not available or limited during this five-year period. In 2012, abortion data were not available by resident status for the first quarter (January-March); therefore, the tables and figures presented in this report for 2012 include numbers estimated from the total number of abortions performed in different centers using the proportion of D.C. resident abortions performed in each center during the first quarter of 2011; the numbers reported later were updated.

Annual pregnancy rates were calculated using U.S. Census Bureau census 2010 population and mid-year population estimates for July 2011-2015. For this report SAS 9.3 for Windows and ArcGIS 10.1 were used.

Pregnancies

In this report, a pregnancy can have one out of three outcomes: a live birth, a legally induced abortion, or a fetal death. Thus, the number of pregnancies is the sum of live births, legally induced abortions, and fetal deaths. The number of reported pregnancies increased between 2011-2012 and virtually remained the same from 2013-2015. In 2015, the number of pregnancies decreased about 3.5 percent from 2012. The 10,920 pregnancies reported to the DOH in 2015 were 79 pregnancies fewer than the 10,999 pregnancies reported in 2014 (Table 1). The pregnancy rate decreased by 11.5 percent between 2011 and 2015, from 68.0 pregnancies per 1,000 women aged 15-44 years in 2011 to 60.2 in 2015. The pregnancy rates decreased between 2014 and 2015 for women younger than 25 years of age and women aged 30-34 years. The pregnancy rates increased for women aged 25-29 years and women 35 years and older. Teenage (15-19 years) mothers continue to experience the largest decrease in pregnancy followed by women 20-24 year age group during this five-year reporting period.

The teenage pregnancy rate for 2015 was 31.7 pregnancies per 1,000 women aged 15-19 years, which was higher than the teen birth rate in that year (25.6) (Tables 1 and 4). The teenage pregnancy rate decreased about 11.5 percent from 2014 to 2015. This decrease in the 2015 teen pregnancy rate is consistent with the decrease in the reported number of live births and number

of induced abortions among teenagers (Table 1). During the 2011-2015 period, the teenage pregnancy rate was the highest in 2011 (54.5 per 1,000 women), followed by a downward trend except for 2013. Between 2011 and 2015, the teenage pregnancy rate decreased by about 42.0 percent. The pregnancy rate for teenagers aged 15-17 years continue to decline throughout the period and the rate declined by 19.5 percent from 22.6 in 2014 to 18.2 pregnancies per 1,000 women in 2015. Among older teenagers 18-19 years, the pregnancy rate decreased by 7.6 percent from 33.0 percent in 2014 to 30.5 percent in 2015 (Table 4).

There were slight changes in the racial composition of women with reported pregnancies in the District. Of the reported pregnancies in 2014, 52.4 percent were to black women compared to 53.4 percent in 2015. About 33 percent of the total reported pregnancies were to white women in 2014 and 2015. Asian and Pacific Islanders women who reported that they were pregnant accounted for about 5 percent of the total for both 2014 and 2015. Of the reported pregnancies in 2015, 7.4 percent were to women who reported that they were other races compared to 9.2 percent in 2014, a decrease of about 20.0 percent. The number of reported pregnancies for Hispanic/Latina women increased 1.6 percent from 12.9 percent in 2014 to 13.1 percent in 2015 (Table 3). It is important to note that “Hispanic/Latina” is not a race category. Persons of Hispanic origin may be of any race and are, therefore, included in all racial categories (i.e., black, white, and other races).

Live Births

The numbers of live births to District of Columbia residents have been increasing since 2011, except in 2013. The 9,264 births in 2013 decreased by 1.1 percent from 9,370 births in 2012 (Table 1). There were 9,571 births in 2015, an increase of 57 births over 2014. The general fertility rate, on the other hand, has been declining each year from 55.9 in 2011 per 1,000 women aged 15-44 years to 52.8 in 2015 (Table 1 and Figure 1). Of the 9,571 women who delivered in 2015, the fertility rates among teenaged women (15-19 years) consistently decreased every year and decreased about 11.4 percent in 2015 when compared to 2014. Fertility rates for women aged 20-24 years also decreased from 55.3 per 1,000 women in 2014 to 51.4 in 2015. Fertility rates for women aged 35 years and older increased between 2014 and 2015. Between 2014 and 2015, the highest increase in the fertility rate (6.1 percent) was for women aged 35-39 years. In 2015, 5.3 percent or 506 of the live births occurred to mothers younger than 20 years of age which was 12.0 percent fewer than 575 births occurred in 2014.

Between 2014 and 2015, the number of live births increased for women aged 30 years and older. The largest number of live births increased among mothers of age group 35-39 years (1,845 to 1,993) followed by 40 years and older age groups (468 to 502) during the same period. Women in their thirties accounted for 51.6 percent of live births and women in their twenties accounted for 37.9 percent in 2015.

The proportion of live births among D.C. resident black women remained unchanged from 2014 to 2015 (50.8 percent in 2014 and 50.7 percent in 2015). In 2015, 35.6 percent of live births were to white women, an increase of 4.1 percent from 34.2 percent in 2014. Births to

Asian/Pacific Islander mothers remained relatively the same (4.7 percent in 2014 and 4.8 percent in 2015). Births to women from other racial groups decreased by 13.7 percent from 9.5 percent in 2014 to 8.2 percent in 2015. The number of births to Hispanic/Latina¹ mothers increased from 1,283 in 2014 to 1,324 in 2015, a 2.2 percent increase (Table 3).

Induced Abortions

The numbers of reported induced abortions continue to decrease since 2012 among D.C. residents. In 2015, the number of induced abortions declined by about 8.2 percent compared to the year 2014 (Table 1). The abortion rate in 2014 was 7.8 per 1,000 women aged 15-44 years compared to 7.0 in 2015 a decline of 10.3 percent. About 9.1 percent (116) of the 1,272 abortions reported in 2015 were among women under 20 years of age, whereas 62.6 percent abortions were performed on women in their twenties; these proportions were almost similar to 2014 (62.5 percent). Between 2012 and 2015, the rates for reported abortions decreased among women in all age groups, with the largest decline (17.3 percent) observed among women in their early twenties (20-24 years), followed by women aged 35-39 years (11.6 percent) and teenagers (15-19 years) (9.4 percent). Among women aged 25-29 years who had an abortion, the abortion rate (9.3 percent) remained the same in 2014 and 2015 (Table 1).

The 2015 induced abortions for black women (72.0 percent) did not follow the overall declining trend for the past four years. Abortions among white women decreased from 25.1 percent in 2014 to 17.9 percent in 2015, a decrease of about 29.0 percent. The proportion of induced abortion increased among Asian and Pacific Islanders to 3.9 percent in 2015 compared to 3.3 percent in 2014. A sharp decline of induced abortions was observed among ‘other’ race group from 6.5 percent in 2014 to 1.1 percent in 2015. Among Hispanic/Latina¹ women, the number of induced abortions also decreased by 9.3 percent in 2015 compared to 2014 (Table 3).

[First quarter (January to March) of 2012 abortion data were not available by resident status; therefore, resident status, age, race/ethnicity were estimated based on the 2011 proportion of these categories. The total number of abortion for 2012 was calculated by adding the estimated total for the first quarter to resident data collected during the other three quarters of the year. In this report, late entry of some abortion records in 2012 was updated and the rates were adjusted.]

Fetal Deaths

The number of fetal deaths decreased by 23 percent in 2015 when compared to 2014. There were 77 reported fetal deaths of at least 20 weeks of gestation or weighing at least 500 grams in 2015, compared to 100 reported fetal deaths in 2014 and 8.0 percent lower than the 84 deaths reported in 2013 (Table 1). During this reporting period (2011-2015), the highest number of fetal deaths occurred in 2014. In terms of percentage, teenage mothers accounted for about 8.0 percent of the reported fetal deaths in 2015, which was about 20.0 percent lower than the previous year. Fifty-

¹ “Hispanic/Latina” is not a race category. Persons of Hispanic origin may be of any race. Therefore, each race category contains persons of both Hispanic and non-Hispanic origin.

three percent of fetal deaths occurred among women in their twenties and 36.4 percent among women in their thirties.

Fetal deaths increased among black women in 2015. There were 64.0 percent of reported fetal deaths in 2014 to black women compared to 82.0 percent in 2015, an increase of about 28.0 percent. Fetal deaths among white women accounted for 4.0 percent in 2015, a significant decrease of 67.5 percent from 12.0 percent in 2014. The number and percent of fetal deaths among Hispanic/Latina women were also decreased in 2015, which were 12.0 percent in 2014 and 10.4 percent in 2015, a decreased of more than 13.0 percent during this period (Table 3).

Summary

During the reporting period, reported pregnancy, fertility, and abortion rates continue to decline. Between 2014 and 2015, the abortion rate declined by more than 10.0 percent (Figure 1). In 2015, 87.6 percent of the reported pregnancies ended in live births, 11.6 percent ended in induced abortions, and 0.7 percent ended in fetal deaths of at least 20 weeks of gestation or weighing at least 500 grams (Table 2). Figure 2A depicts the percentage of reported pregnancies ending as a live birth over the five-year period. It shows an increase in the percentage of reported pregnancies ending as a live birth for women aged 20 years and older. Figure 2B depicts the percentage of pregnancies ending as an induced abortion among women younger than 20 years of age and women aged 20 years and older over the five-year period. This shows that the percentage of pregnancies ending in an abortion decreased by 7.4 percent among women aged 20 years and older in 2015 compared to 2014. In 2015, the proportion of reported pregnancies that ended in a live birth varied from 62.5 percent for women younger than 15 years of age to 94.6 percent for women aged 35-39 years and older (Figure 3 and Table 2). Figure 4 shows the geographic distribution of teen births by ward. The highest numbers of teen births occurred in Ward 8 followed by Wards 7, 5, and 4. The lowest numbers of teen births are shown in Ward 3 during the year 2015. The hot spot analysis for 2015 teen births shown in Figure 5 also identified that women residing in Ward 8 and part of Ward 7 had significantly more teen births than the other wards.

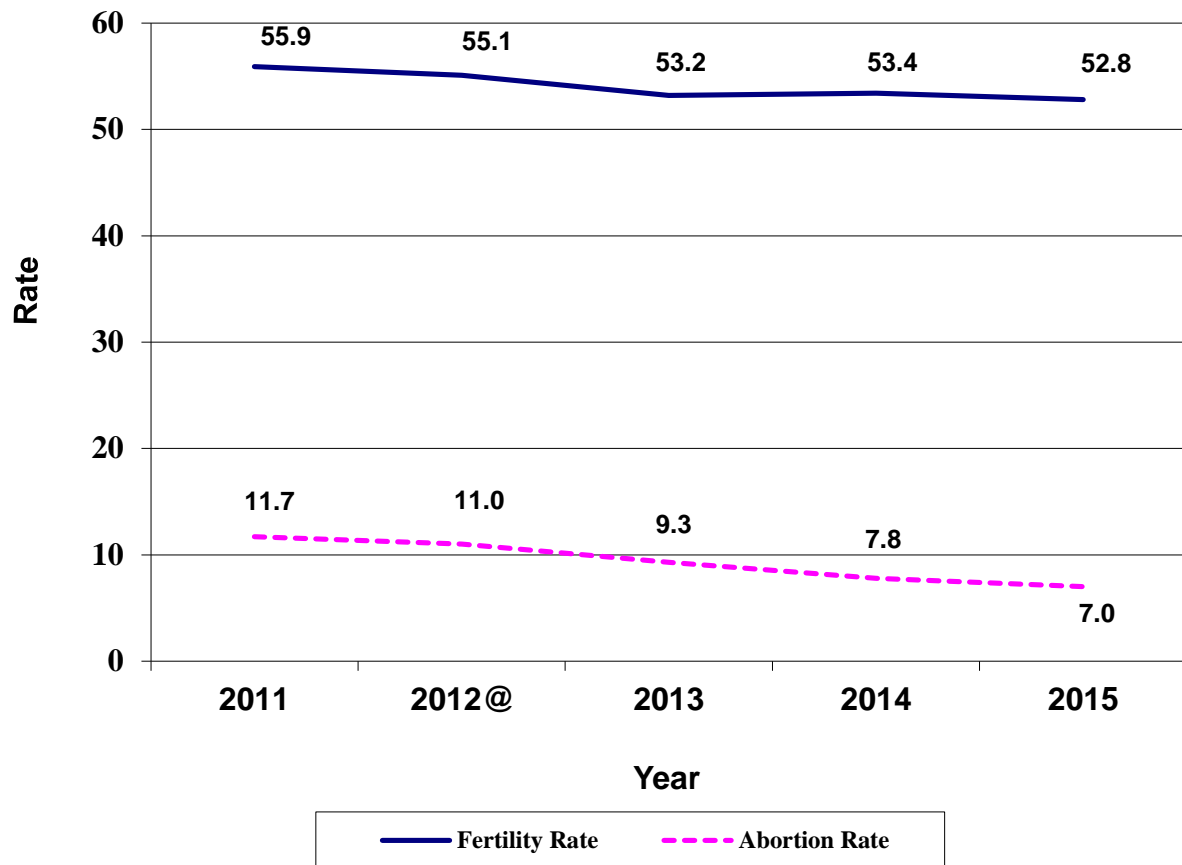
Table 1. Number of Reported Pregnancies and Pregnancy Rates by Outcome of Pregnancy and Age of Women: District of Columbia, 2011-2015/ ¹																				
Age of Women	Reported Pregnancies					Live Births					Induced Abortions / ²					Fetal Deaths / ³				
	2011	2012	2013	2014	2015	2011	2012	2013	2014	2015	2011	2012*	2013	2014	2015	2011	2012	2013	2014	2015
Total	11,291	11,306	10,971	10,999	10,920	9,289	9,370	9,264	9,514	9,571	1,941	1,865	1,623	1,385	1,272	61	71	84	100	77
Under 15 years	39	21	26	13	8	29	6	20	8	5	10	15	6	5	3	0	0	0	0	0
15-19 years	1,119	1,014	811	703	620	879	790	637	567	501	232	216	168	126	113	8	8	6	10	6
20-24 years	2,518	2,424	2,273	2,231	2,100	1,890	1,827	1,712	1,739	1,676	612	579	545	473	406	16	18	16	19	18
25-29 years	2,410	2,487	2,340	2,361	2,360	1,883	1,967	1,860	1,947	1,947	519	507	458	392	390	8	13	22	22	23
30-34 years	2,985	2,949	3,176	3,205	3,189	2,622	2,618	2,872	2,938	2,945	345	314	282	241	228	18	17	22	26	16
35-39 years	1,719	1,845	1,807	1,975	2,107	1,544	1,644	1,677	1,845	1,993	168	189	118	115	102	7	12	12	15	12
40 years and older	496	566	532	507	533	442	518	482	468	502	50	45	45	33	30	4	3	5	6	1
Not Reported	5	0	6	4	3	1	0	0	4	2	5	0	1	0	0	0	0	1	2	1
Rate per 1,000 women																				
Total /⁴	68.0	66.5	62.9	61.8	60.2	55.9	55.1	53.2	53.4	52.8	11.7	11.0	9.3	7.8	7.0	0.4	0.4	0.5	0.6	0.4
Under 15 years /⁵	3.1	1.7	2.1	1.0	0.6	2.3	0.5	1.6	0.6	0.4	0.8	1.2	0.5	0.4	0.2	0.0	0.0	0.0	0.0	0.0
15-19 years	54.5	49.4	40.9	35.8	31.7	42.8	38.5	32.1	28.9	25.6	11.3	10.5	8.5	6.4	5.8	0.4	0.4	0.3	0.5	0.3
20-24 years	74.1	74.2	71.7	70.9	64.4	55.6	56.0	54.0	55.3	51.4	18.0	17.7	17.2	15.0	12.4	0.5	0.6	0.5	0.6	0.6
25-29 years	60.6	60.4	55.8	55.9	56.1	47.4	47.7	44.4	46.1	46.3	13.1	12.3	10.9	9.3	9.3	0.2	0.3	0.5	0.5	0.5
30-34 years	96.8	89.1	89.0	84.5	82.1	85.0	79.1	80.5	77.5	75.8	11.2	9.5	7.9	6.4	5.9	0.6	0.5	0.7	0.7	0.4
35-39 years	78.9	81.1	74.0	73.2	76.7	70.9	72.3	68.7	68.4	72.6	7.7	8.3	4.8	4.3	3.7	0.3	0.5	0.5	0.6	0.4
40 years and older /⁶	25.8	28.5	25.6	25.5	25.6	23.0	26.1	23.2	23.6	24.1	2.6	2.3	2.2	1.7	1.4	0.2	0.2	0.2	0.3	0.1
¹ / Rates were calculated using Bureau of the Census estimated of July 2010 for estimating July 2011-July 2015 population ² / Abortion reporting is voluntary in the District of Columbia. Only abortions performed in D.C. and reported to the D.C. Department of Health (including out-of-state abortions to D.C. residents) are included in this table. * First quarter of 2012 abortion data were estimated using 2011 1 st quarter proportions by facilities and the numbers updated. ³ / Includes only fetal deaths of at least 20 weeks gestation or weight at least 500 grams. ⁴ / Computed by relating the number of events to women of all ages to women aged 15-44 years. ⁵ / Computed by relating the number of events to women under 15 years to women aged 10-14 years. ⁶ / Computed by relating the number of events to women aged 40 years and over to women aged 40-44 years. Source: Data management and Analysis Division, Center for Policy, Planning, and Evaluation, DC Department of Health.																				

Table 2. Percent of Reported Pregnancies Ending as a Live Birth, Induced Abortion, or Fetal Death by Age of Women: District of Columbia, 2011-2015															
Age of Women	Live Births					Induced Abortions / ¹					Fetal Deaths / ²				
	2011	2012	2013	2014	2015	2011	2012*	2013	2014	2015	2011	2012	2013	2014	2015
Total	82.3	82.9	84.4	85.7	87.6	17.2	16.5	14.8	12.6	11.6	0.5	0.6	0.8	0.9	0.7
Under 15 years	74.4	28.6	76.9	61.5	62.5	25.6	71.4	23.1	38.5	37.5	0.0	0.0	0.0	0.0	0.0
15-19 years	78.6	77.9	78.5	80.7	80.8	20.7	21.3	20.7	17.9	18.2	0.7	0.8	0.7	1.4	1.0
20-24 years	75.1	75.4	75.3	77.9	79.8	24.3	23.9	24.0	21.2	19.3	0.6	0.7	0.7	0.9	1.0
25-29 years	78.1	79.1	79.5	82.5	82.5	21.5	20.4	19.6	16.6	16.5	0.3	0.5	0.9	0.9	1.0
30-34 years	87.8	88.8	90.4	91.7	92.3	11.6	10.6	8.9	7.5	7.1	0.6	0.6	0.7	0.8	0.5
35-39 years	89.8	89.1	92.8	93.4	94.6	9.8	10.2	6.5	5.8	4.8	0.4	0.7	0.7	0.8	0.6
40 years and older	89.1	91.5	90.6	92.3	94.2	10.1	8.0	8.5	6.5	5.6	0.8	0.5	0.9	1.2	0.2
1 / Abortion reporting is voluntary in the District of Columbia. Only abortions performed in D.C. and reported to the D. C. Department of Health (including out-of-state abortions to D.C. residents) are included in this table. * First quarter of 2012 abortion data were estimated using 2011 1 st quarter proportions by facilities and the numbers updated. 2 / Includes only fetal deaths of at least 20 weeks gestation or at least 500 grams. Source: Data management and Analysis Division, Center for Policy, Planning, and Evaluation, DC Department of Health.															

Table 3. Number of Reported Pregnancies, Live Births, Induced Abortions, and Fetal Deaths by Race/Ethnicity of Women: District of Columbia, 2011-2015																				
Race/Ethnicity of Women	Reported Pregnancies					Live Births					Induced Abortions / ¹					Fetal Deaths / ²				
	2011	2012	2013	2014	2015	2011	2012	2013	2014	2015	2011	2012*	2013	2014	2015	2011	2012	2013	2014	2015
Total	11,291	11,306	10,971	10,999	10,920	9,289	9,370	9,264	9,514	9,571	1,941	1,8651	1,623	1,385	1,272	61	71	84	100	77
Black	6,153	6,019	5,967	5,801	5,836	4,903	4,816	4,840	4,836	4,857	1,204	1,148	1,067	901	916	46	55	60	64	63
(Percent)	(54.5)	(53.2)	(54.4)	(52.7)	(53.4)	(52.8)	(51.4)	(52.2)	(50.8)	(50.7)	(62.0)	(61.6)	(65.7)	(65.1)	(72.0)	(75.4)	(77.5)	(71.4)	(64.0)	(81.8)
White	3,283	3,397	3,432	3,617	3,640	2,843	2,974	2,997	3,258	3,409	433	414	426	347	228	7	9	9	12	3
(Percent)	(29.1)	(30.0)	(31.3)	(32.9)	(33.3)	(30.6)	(31.7)	(32.4)	(34.2)	(35.6)	(22.3)	(22.2)	(26.2)	(25.1)	(17.9)	(11.5)	(12.7)	(10.7)	(12.0)	(3.9)
API³	502	486	507	496	513	420	411	439	448	460	80	75	68	46	50	2	0	0	2	3
(Percent)	(4.4)	(4.3)	(4.6)	(4.5)	(4.7)	(4.5)	(4.4)	(4.7)	(4.7)	(4.8)	(4.1)	(4.0)	(4.1)	(3.3)	(3.9)	(3.3)	(0.0)	(0.0)	(2.0)	(3.9)
Other	825	1,049	968	1,010	808	612	814	908	906	787	209	228	54	90	14	4	7	6	14	7
(Percent)	(7.3)	(9.3)	(8.8)	(9.2)	(7.4)	(6.6)	(8.7)	(9.8)	(9.5)	(8.2)	(10.8)	(12.2)	(3.3)	(6.5)	(1.1)	(6.6)	(9.9)	(7.1)	(14.0)	(9.1)
Not Reported+	528	377	97	75	123	511	355	80	66	58	15	0	8	1	64	2	0	9	8	1
(Percent)	(4.7)	(3.1)	(0.9)	(0.7)	(1.1)	(5.5)	(3.8)	(0.9)	(0.7)	(0.6)	(0.8)	(0.0)	(0.5)	(0.1)	(5.0)	(3.3)	(0.0)	(10.7)	(8.0)	(1.3)
Ethnicity																				
Total	11,291	11306	10,971	10,999	10,920	9,289	9,370	9,264	9,514	9,571	1941	1,8651	1,623	1,385	1,272	61	71	84	100	77
Hispanic/Latina/⁴	1,503	1,547	1,397	1,414	1,431	1,358	1370	1,244	1,283	1,324	141	168	149	119	99	4	9	5	12	8
(Percent)	(13.3)	(13.7)	(12.7)	(12.9)	(13.1)	(14.6)	(14.6)	(13.4)	(13.5)	(13.8)	(7.3)	(9.0)	(9.2)	(8.6)	(7.8)	(6.6)	(12.7)	(6.0)	(12.0)	(10.4)
Not Hispanic/Latina	9,666	9,718	9,535	9,524	9,414	7,828	7,966	7,983	8,173	8,213	1,781	1,690	1,473	1,263	1,132	57	62	79	88	69
(Percent)	(85.6)	(86.0)	(86.9)	(86.6)	(86.2)	(84.3)	(85.0)	(86.2)	(85.9)	(85.8)	(91.8)	(90.6)	(90.8)	(91.2)	(89.0)	(93.4)	(87.3)	(94.0)	(88.0)	(89.6)
Not Reported+	122	41	45	61	75	103	34	38	58	34	19	7	1	3	41	0	0	0	0	0
(Percent)	(1.1)	(0.4)	(0.4)	(0.6)	(0.7)	(1.1)	(0.4)	(0.4)	(0.6)	(0.4)	(1.0)	(0.4)	(0.1)	(0.2)	(3.2)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)
<p>1 / Abortion reporting is voluntary in the District of Columbia. Only abortions performed in D.C. and reported to the D. C. Department of Health (including out-of-state abortions to D.C. residents) are included in this table. * First quarter of 2012 abortion data were estimated using 2011 1st quarter proportions by facilities and the numbers updated.</p> <p>2 / Includes only fetal deaths of at least 20 weeks gestation or at least 500 grams.</p> <p>3 / API means Asian and Pacific Islanders.</p> <p>4 / Persons of Hispanic origin may be of any race. Therefore, each race category contains persons of both Hispanic and non-Hispanic origin.</p> <p>+ Facility did not report data by race/ethnicity.</p> <p>Source: Data management and Analysis Division, Center for Policy, Planning, and Evaluation, DC Department of Health.</p>																				

Table 4. Number of Reported Pregnancies by Outcome and Age-Specific Rates for Teenagers Aged 15-19 Years by Age: District of Columbia, 2011-2015															
Age of Teenagers	Live Births / ²					Induced Abortions / ³					Fetal Deaths / ⁴				
	2011	2012	2013	2014	2015	2011	2012*	2013	2014	2015	2011	2012	2013	2014	2015
Total (15-19 years)	879	790	637	567	501	232	216	168	126	113	8	8	6	10	6
15 years	35	36	38	22	23	17	12	20	6	5	1	0	0	0	0
16 years	73	88	57	59	51	18	21	24	12	10	0	1	0	4	2
17 years	172	114	90	95	67	32	40	31	27	23	1	1	0	1	1
(15-17 years)	(280)	(238)	(185)	(176)	(141)	(67)	(73)	(75)	(45)	(38)	(2)	(2)	(0)	(5)	(3)
18 years	240	229	171	165	144	63	56	35	32	29	4	3	2	1	2
19 years	359	323	281	226	216	102	87	58	49	46	2	3	4	4	1
(18-19 years)	(599)	(552)	(452)	(391)	(360)	(165)	(143)	(93)	(81)	(75)	(6)	(6)	(6)	(5)	(3)
	Rates per 1,000 Women														
Total (15-19 years) / ⁵	42.8	38.5	32.1	28.9	25.6	11.3	10.5	8.5	6.4	5.8	0.4	0.4	0.3	0.5	0.3
15 years	13.2	13.6	15.2	8.8	9.1	6.4	4.5	8.0	2.4	2.0	0.4	0.0	0.0	0.0	0.0
16 years	26.5	32.0	22.7	23.3	20.3	6.5	7.6	9.6	4.7	4.0	0.0	0.4	0.0	1.6	0.8
17 years	58.9	39.1	33.0	34.6	24.9	11.0	13.7	11.4	9.8	8.5	0.3	0.3	0.0	0.4	0.4
(15-17 years)	(33.7)	(28.6)	(23.9)	(22.6)	(18.2)	8.1)	(8.8)	(9.7)	(5.8)	(4.9)	(0.2)	(0.2)	(0.0)	(0.6)	(0.4)
18 years	46.5	44.4	33.1	32.7	28.3	12.2	10.9	6.8	6.3	5.7	0.8	0.6	0.4	0.2	0.4
19 years	50.9	45.9	40.5	33.3	32.1	14.5	12.4	8.4	7.2	6.8	0.3	0.4	0.6	0.6	0.1
(18-19 years)	(49.1)	(45.2)	(37.4)	(33.0)	(30.5)	(13.5)	(11.7)	(7.7)	(6.8)	(6.4)	(0.5)	(0.5)	(0.5)	(0.4)	(0.3)
1 / Rates were calculated using Bureau of the Census estimated of July 2010 for estimating July 2011-July 2015 population															
2 / Age-specific fertility rate per 1,000 women in each age/age group category.															
3 / Age-specific rate per 1,000 women in each age/age group category. Only abortions reported to the D.C. Department of Health (including out-of-state abortions to D.C. residents) are included in this table. * First quarter of 2012 abortion data were estimated using 2011 1 st quarter proportions by facilities and numbers updated.															
4 / Age-specific rate per 1,000 women in each age/age group category. Includes only fetal deaths of at least 20 weeks gestation or at least 500 grams.															
5 / Rate per 1,000 women aged 15-19 years.															
Source: Data management and Analysis Division, Center for Policy, Planning, and Evaluation, DC Department of Health.															

Figure 1. Abortion Rate* and Fertility Rate
District of Columbia, 2011-2015**



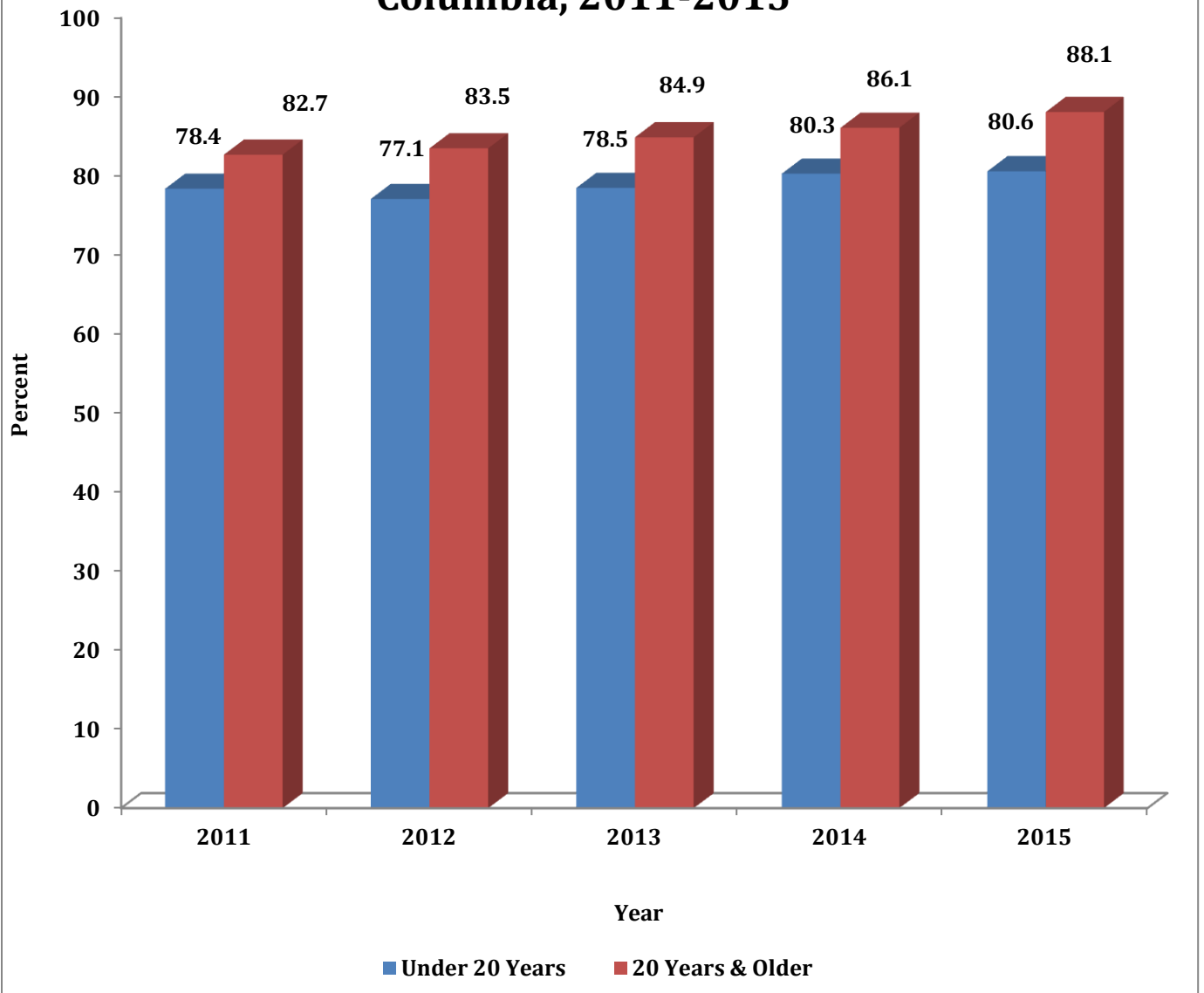
*The abortion rate is the number of abortions per 1,000 females 15-44 years of age.

**The fertility rate is the number of births per 1,000 females 15-44 years of age.

@ 2012 First quarter abortion data were estimated using proportion of 2011 first quarter data from same facilities and updated.

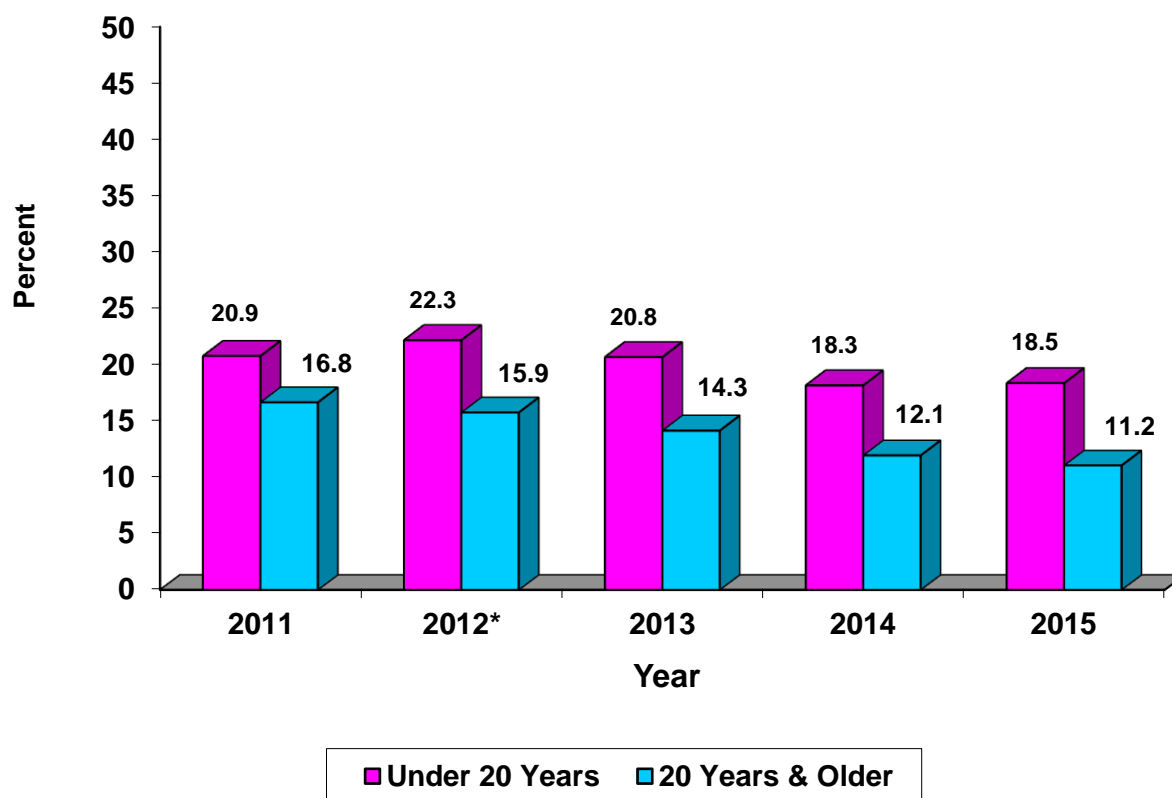
Source: Data management and Analysis Division, Center for Policy, Planning, and Evaluation,
DC Department of Health.

Figure 2A. Percent of Reported Pregnancies Ending as a Live Birth by Age: District of Columbia, 2011-2015



Source: Data management and Analysis Division, Center for Policy, Planning, and Evaluation, DC Department of Health.

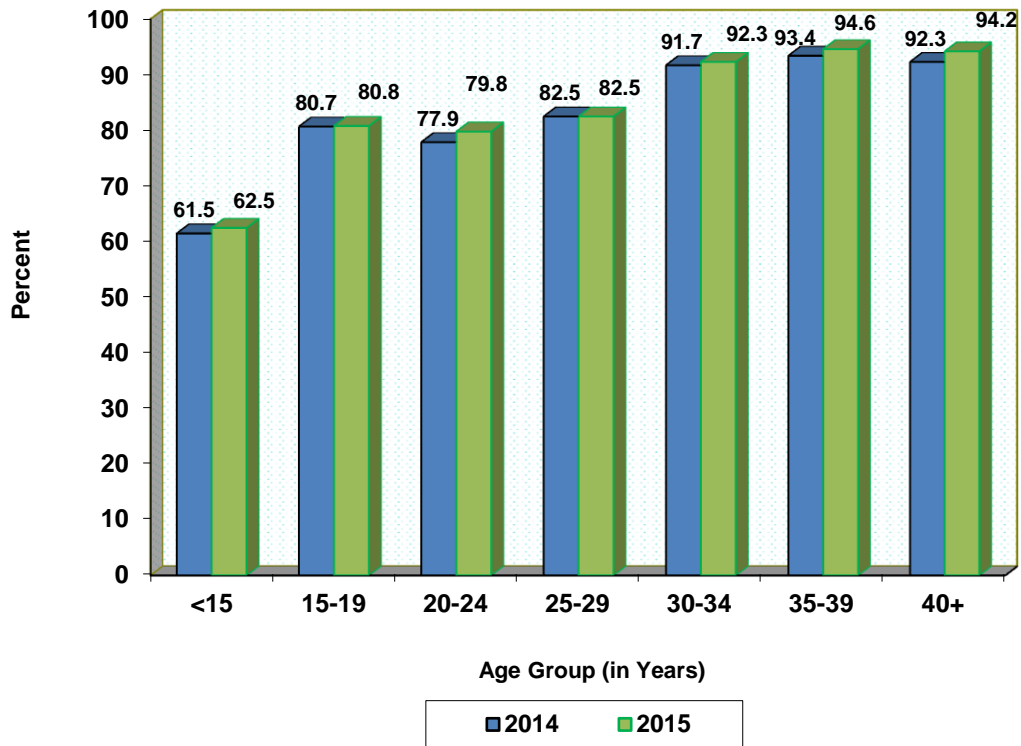
Figure 2B. Percent of Reported Pregnancies Ending as Abortion by Age: District of Columbia, 2011-2015



*2012 First quarter abortion data were estimated using proportion of 2011 1st quarter data from same facilities and updated.

Source: Data management and Analysis Division, Center for Policy, Planning, and Evaluation, DC Department of Health.

Figure 3. Percent of Reported Pregnancies Ending as a Live Birth by Age: District of Columbia, 2014-2015



Source: Data management and Analysis Division, Center for Policy, Planning, and Evaluation, DC Department of Health.

Figure 4

Spatial Patterns of District of Columbia Teen Births, 2015

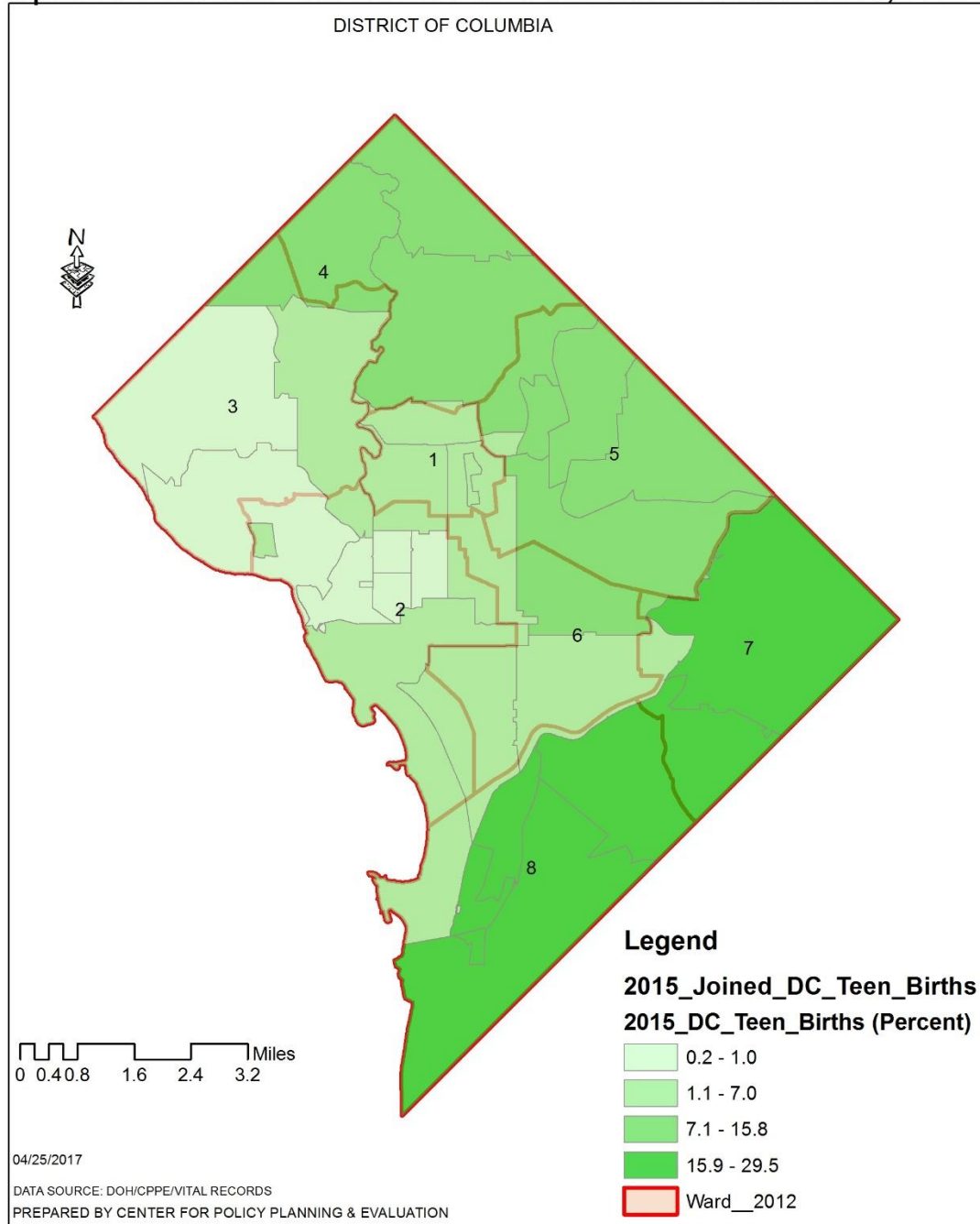
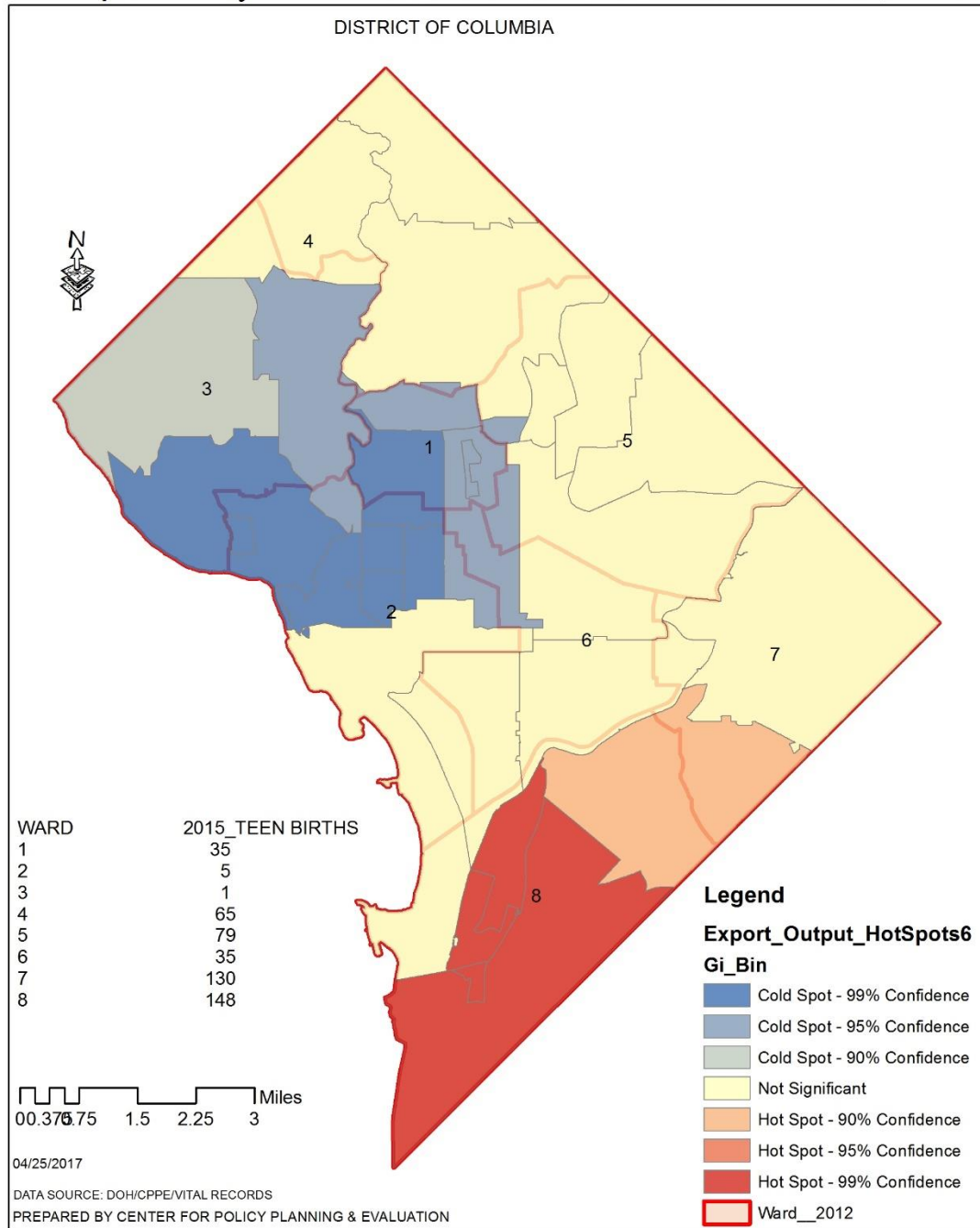


Figure 5

Hot Spot Analysis of District of Columbia Teen Births, 2015



APPENDICES

Census 2010 and 2015 Estimated Population by Age and Gender, District of Columbia						
	2010 Census			2015 Estimate		
Age in Years	Both sexes	Female	Male	Both sexes	Female	Male
	601,723	317,501	284,222	672,228	353,627	318,601
Under 5 years	32,613	16,080	16,533	43,352	21,326	22,026
5 to 9 years	26,147	12,949	13,198	32,875	16,293	16,582
Total 10-44 years	334,474	174,714	159,760	371,815	194,678	177,137
10 to 14 years	25,041	12,400	12,641	26,410	13,297	13,113
15 to 19 years	39,919	20,968	18,951	37,124	19,551	17,573
20 to 24 years	64,110	35,309	28,801	59,997	32,621	27,376
25 to 29 years	69,649	37,482	32,167	78,205	42,059	36,146
30 to 34 years	55,096	28,479	26,617	74,130	38,839	35,291
35 to 39 years	42,925	21,478	21,447	54,239	27,456	26,783
40 to 44 years	37,734	18,598	19,136	41,710	20,855	20,855
Total 15-44 years	309,433	162,314	147,119	345,405	181,381	164,024
45 to 49 years	38,539	19,005	19,534	38,488	19,207	19,281
50 to 54 years	37,164	19,050	18,114	39,005	19,432	19,573
55 to 59 years	34,274	18,280	15,994	36,789	19,001	17,788
60 to 64 years	29,703	16,305	13,398	32,900	17,933	14,967
65 to 69 years	21,488	11,883	9,605	26,404	14,828	11,576
70 to 74 years	15,481	8,810	6,671	17,733	10,168	7,565
75 to 79 years	11,820	7,038	4,782	12,478	7,332	5,146
80 to 84 years	9,705	6,189	3,516	8,942	5,521	3,371
85 and over	10,315	7,198	3,117	11,447	7,858	3,589

Source: U.S. Census Bureau, Census April 1, 2010 & July 1, 2015

2010 Census Population and 2011- 2015 Estimated Population by Selected Age for Women: District of Columbia							
Age in Years	Population in 2009	Population in 2010	Population in 2011	Population in 2012	Population in 2013	Population in 2014	Population in 2015
Total Women	316,594	317,501	325,775	333,282	340,199	346,260	353,627
Total 10-44 years	164,231	174,714	178,526	182,711	186,931	190,525	194,678
10-14	13,390	12,400	12,445	12,651	12,643	12,424	13,297
15-19	21,678	20,968	20,531	20,511	19,822	19,629	19,551
20-24	27,179	35,309	33,984	32,649	31,691	31,475	32,621
25-29	32,253	37,482	39,741	41,207	41,919	42,246	42,059
30-34	26,807	28,479	30,851	33,095	35,670	37,920	38,839
35-39	23,072	21,478	21,784	22,744	24,409	26,985	27,456
40-44	19,852	18,598	19,190	19,854	20,777	19,846	20,855
Total 15-44 years	150,841	162,314	166,081	170,060	174,288	178,101	181,381

Source: U.S. Census Bureau, Population Division, May 2012 & American Fact Finder July 2015

2000 and 2010 Census Population and 2011- 2015 Estimated Population by Individual Age for Women Aged 15 to 19 Years, District of Columbia							
Age of Women (in years)	2000	2010	2011	2012	2013	2014	2015
Total 15-19	19,851	20,968	20,531	20,511	19,822	19,629	19,551
15	2,714	2,700	2,644	2,641	2,493	2,514	2,537
16	2,801	2,814	2,755	2,752	2,511	2,532	2,510
17	2,958	2,983	2,921	2,918	2,724	2,746	2,694
15-17	8,473	8,497	8,320	8,311	7,728	7,792	7,741
18	4,880	5,272	5,162	5,157	5,163	5,053	5,085
19	6,498	7,199	7,049	7,043	6,931	6,784	6,725
18-19	11,378	12,471	12,211	12,200	12,094	11,837	11,810

Census 2000 proportion by age; 2011- 2014 estimated population by individual age are based on Census 2010 population.

Source: U.S. Census Bureau, Census 2000 & 2010 summary file2, Table PCT3 & American Fact Finder
June 2015

Technical Notes

Definition

Abortion (Legally induced termination of pregnancy)

The purposeful interruption of pregnancy with the intention other than to produce a live-born infant or to remove a dead fetus. The abortion rates are the number of resident abortions per 1,000 women in each specified age group.

Age-specific fertility rate Number of resident live births to women in a specific age group per 1,000 women in the same age group during a calendar year.

$$\frac{\text{Live births to women in specific age-group}}{\text{Estimated mid-year female population in that age group}} \times 1,000$$

General fertility rate Total number of resident live births to women of all ages during a calendar year per 1,000 populations of women of childbearing age (15-44 years).

$$\frac{\text{Live Births}}{\text{Estimated mid-year female population 15-44 years old}} \times 1,000$$

Fetal death

Death prior to the complete expulsion or extraction from its mother of a product of human conception of 20 weeks or more duration of pregnancy or 500 grams or more and which is not an induced termination of pregnancy. The death is indicated by the fact that after such expulsion or extraction, the fetus does not breathe or show any other evidence of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

Live Birth

Defined as the complete expulsion or extraction from its mother of a product of human conception, regardless of the duration of pregnancy. After such expulsion or extraction, the product must breathe or show other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles, whether or not the umbilical cord has been cut or the placenta is attached.

Pregnancy

The period from conception to birth. Pregnancies are computed by adding the number of live births, fetal losses, and abortions.

Pregnancy rate

Pregnancy rates are the number of resident pregnancies per 1,000 women in each specified age group.

Source of Data

Data shown in this report for 2010-2014 are based on 100 percent of the resident birth and fetal death certificates in the District of Columbia (DC) and DC resident births that occurred in other states through the inter-state exchange agreement. Abortion reporting in the District of Columbia is voluntary. Hospitals and free-standing clinics that agree to participate, reported abortion data on a standardized reporting form to the Department of Health. Abortions that are performed in private physicians' offices are not reported to the DC Department of Health; therefore, their data are not included in this report. Because of some technical problems first quarter of 2012 abortion data were not available by different categories and were estimated using 2011 1st quarter proportions of different categories by facilities. Total numbers of abortion for all facilities were calculated by adding other three quarter data with the estimated numbers of first quarter and the abortion data further updated in this report.

Age of Woman

Age of woman is computed in most cases from the mother and infant's date of birth as reported on the birth certificate. In the case of the fetal death certificate, the woman's age is computed from her date of birth and the date the fetal death occurred. In the case of the abortion reporting form, the woman's age is directly reported.

Race and Hispanic Origin

Race and Hispanic origin are reported separately on the birth and fetal death certificates and the abortion reporting form.

Fetal Deaths. Race of women is reported in nine categories on the fetal death certificate, which used the 1989 revision of the U.S. Standard Certificate of Live Birth (1). The categories are: White, Black, American Indian, Chinese, Japanese, Hawaiian, Filipino, "other" Asian or Pacific Islander and "Other" race.

Single, Multiple, and 'Bridged' Race for Live Births. On February 2009, the District of Columbia began reporting multiple-race data, which used the 2003 revision of the U.S. Standard Certificate of Live Birth and 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 (2,3). To provide uniformity and comparability of the data during the transition period, before all or most of the data are available in the new multiple-race format, it was necessary to "bridge" the responses of those who reported more than one race (multiple race) to a single race. Race of woman, from February 2009, is reported in 24 race categories on the birth certificate as follows:

Single Race: White, Black, American Indian or Alaskan Native, Asian Indian, Chinese, Filipino, Japanese, Korean, Vietnamese, Other Asian, Native Hawaiian, Guamanian or Chamorro, Samoan, Other Pacific Islander, and Other.

Bridged multiple specified race: White, Black, American Indian or Alaskan Native, Asian or Pacific Islander.

Induced Abortion. Induced abortion is defined as an intentional termination of pregnancy before the fetus has developed enough to live if born. Race of woman on the abortion reporting form is reported in six categories: White, Black, Asian, Hawaiian, Native American and “Other” race.

Hispanic origin of woman is reported as either Hispanic/Latina or not Hispanic/Latina and selected country of origin on all reporting data sources.

Population Denominators

Pregnancy, birth, fertility, abortion, and fetal death rates are based on population estimates of 2010 Census Population and estimates for 2011- 2014.

Computation of Rates

In computing the general pregnancy, birth, fertility, abortion, and fetal death rates, the population denominator is the number of women aged 15-44 years. In computing age-specific rates, the number of events to women in each specified age-group is related to the female population in the associated age-group (e.g., the number of events to women younger than 15 years divided by the population of women aged 10-14 years).

References

1. Office of Management and Budget. Race and ethnic standards for federal statistics and administrative reporting. Statistical Policy Directive 15. May 12, 1977.
2. Office of Management and Budget. Revisions to the standards for the classification of federal data on race and ethnicity. Federal Register 62FR58781–58790. October 30, 1997. Available from: <http://www.whitehouse.gov/omb/fedreg/ombdir15.html>.
3. Ingram DD, Parker JD, Schenker N, et al. United States Census 2000 with bridged race categories. National Center for Health Statistics. Vital Health Stat 2 (135). 2003. Available from: http://www.cdc.gov/nchs/data/series/sr_02/sr02_135.pdf.
4. U.S Census bureau, 2010 Census and 2000 Census at: <http://www.2010.census.gov/2010census/data/>
5. U.S Census Bureau, American Fact Finder, Annual Estimates of the Resident Population by Sex, Race, and Hispanic origin for the United States, States, and Counties: April 1, 2010 to July1, 2013. Release Date: June 2014
6. U.S Census Bureau, American 2014 American Community Survey 1-Year Estimate, February 8, 2016.
7. U.S. Census Bureau, Population Division: Annual Estimates of the Resident Population by Sex, Age, Race, and Hispanic Origin for the United States and States: April 1, 2010 & July 1, 2015