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**STATISTICAL NOTE**

**REPORTED PREGNANCIES  
AND PREGNANCY RATES IN  
THE DISTRICT OF COLUMBIA,  
2008-2012**

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

**Government of the District of Columbia  
Vincent C. Gray, Mayor**

**May 30, 2014  
Final**



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# **Reported Pregnancies and Pregnancy Rates in the District of Columbia, 2008 - 2012**

## **Introduction**

This report provides statistics on the pregnancies of District of Columbia resident women, which were reported to the Department of Health during the five-year period of 2008-2012. 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 under 20 weeks of gestation or less than 500 grams and abortions not reported to the Department of Health are not included. Abortion reporting is voluntary in the District of Columbia and the Department of Health 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 District of Columbia 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 DC resident abortions performed in each center during the first quarter of 2011.

Annual pregnancy rates were calculated using U.S. Census Bureau mid-year population estimates for July 2008-2009, July 2011-2012, and 2010 Census data. Prior to 1996, unknown cases in previous reports were distributed according to the reported age proportions. Age proportion distributions based on unknown or not reported cases are no longer included in these reports. For this report SAS 9.3 for Windows and ArcGIS 10.1 version 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. Between 2008 and 2012, reported pregnancies increased by 6.2 percent and pregnancy rates decreased by about 7.0 percent. The number of pregnancies between 2011 and 2012 were almost unchanged. The 11,285 pregnancies reported to the Department of Health in 2012 were only 6 pregnancies fewer than the 11,291 pregnancies reported in 2011 (Table 1). The pregnancy rate also continued to decrease by about 2.4 percent between 2011 and 2012, from 68.0 pregnancies per 1,000 women aged 15-44 years in 2011 to 66.4 in 2012. The pregnancy rates decreased between 2011 and 2012 for women in all age groups except among 35-39 years and 40 years and older groups in which the pregnancy rates increased by 2.7 and 10.5 percent, respectively.

The *teenage pregnancy rate* for 2012 was 49.4 pregnancies per 1,000 women aged 15-19 years, which was higher than the teen birth rate in that year (38.5) (Tables 1 and 4). The teenage pregnancy rate decreased 9.4 percent from 2011 to 2012. This decrease in the 2012 teen pregnancy rate is consistent with the decrease in the reported number of births and the number of induced abortions among teenagers (Table 1). During the 2008-2012 period, the teenage pregnancy rate was highest in 2008 (61.4 per 1,000 women), followed by a downward trend. Between 2008 and 2012, the teenage pregnancy rate decreased by 19.5 percent. The pregnancy rate for teenagers aged 15-17 years declined by 10.0 percent from 41.9 in 2011 to 37.7 pregnancies per 1,000 women in 2012. Among older teenagers 18-19 years, the pregnancy rate decreased by about 9.0 percent from 63.1 percent in 2011 to 57.4 percent in 2012.

There were slight changes in the racial composition of women with reported pregnancies in the District. In 2011, 54.5 percent of reported pregnancies were to black women compared to 53.2 percent in 2012. Among white women, reported pregnancies increased by 3.1 percent from 29.1 percent in 2011 to 30.0 percent in 2012. Among Asian and Pacific Islanders, reported pregnancies were essentially unchanged from 4.4 to 4.3 percent during the same period. However, in 2012, 9.3 percent of reported pregnancies to women were from other races, an increase of 27.4 percent from 7.3 in 2011. The number of reported pregnancies for Hispanic/Latina women also increased by 3.0 percent from 13.3 percent in 2011 to 13.7 percent in 2012 (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 annually in the last 5 years except in 2009. The 9,370 births in 2012 were up by 0.9 percent from 9,289 births in 2011, and 2.3 percent from 9,134 births in 2008 (Table 1). The general fertility rate on the other hand has been declining each year from 61.4 in 2008 per 1,000 women aged 15-44 years to 55.1 in 2012 (Table 1 and Figure 1). Among women younger than 15 years of age, the fertility rates have fluctuated between 2008 and 2011, followed by a drop to 0.5 births per 1,000 women in 2012. The fertility rates among teenaged women (15-19 years) decreased by more than 10.0 percent from 2011 to 2012. Fertility rates for women aged 20-24 years and 25-29 years were relatively stable between 2011 and 2012. For women aged 30-34, the fertility rate decreased by about 7.0 percent from 2011 to 2012. Fertility rates among women in the older age groups (35-39 years and 40 and older) increased by 2.0 percent and 13.5 percent, respectively from 2011 to 2012. In 2012, 8.5 percent or 796 of the live births occurred to mothers younger than 20 years of age, 13.3 percent fewer than the 908 births that occurred in 2011.

Between 2011 and 2012, the number of live births declined from 1,890 to 1,827 among mothers aged 20-24 and increased from 1,883 to 1,967 among mothers 25-29 years of age. In 2012, births among mothers aged 20-29 years accounted for 40.5 percent of births; approximately 45.5 percent of births were delivered to mothers aged 30-39 years and 4.7 percent to mothers aged 40 years and older.

Live births among DC resident black women decreased by 2.7 percent from 52.8 percent in 2011 to 51.4 percent in 2012. In 2012, 31.7 percent white women had live births up by 3.6 percent from 2011. About 4.4 percent of births were to Asian/Pacific Islander mothers, 8.7 percent to mothers of other races, and 14.6 percent to Hispanic/Latina<sup>1</sup> mothers (Table 3).

## **Induced Abortions**

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.

The number of reported induced abortions to the District of Columbia residents decreased by 5.0 percent between 2011 and 2012 (Table 1). The abortion rate in 2012 was 10.8 per 1,000 women aged 15-44 years compared to 11.7 in 2011. About 12.5 percent of the 1,844 abortions reported in 2012 were among women under 20 years of age, whereas 58.2 percent abortions were performed on women in their twenties; these proportions were essentially unchanged from 2011. Between 2011 and 2012, the rates for reported abortions decreased among women in all age groups except for women younger than 15 years of age (up by 50.0 percent) and women 35-39 years of age (up by 6.5 percent). Among women aged 15-19 years, the abortion rate decreased by more than 7.0 percent (Table 1). The abortion rates decreased by 7.6 percent for women aged 25-29 years and 17.0 percent for women aged 30-34 years. For women aged 40 years and older the rate also decreased by 15.4 percent from 2011 to 2012.

Induced abortion by race of women was relatively unchanged among blacks, whites, and Asian and Pacific Islanders from 2011 to 2012. In 2012, 61.4 percent of reported induced abortions were to black women, 22.1 percent were to white women, 4.0 percent were to Asian and Pacific Islanders. On the other hand, induced abortions increased by 15.0 percent among other race groups (from 10.8 percent in 2011 to 12.4 percent in 2012) and by 25.0 percent among Hispanic/Latina<sup>1</sup> women (from 7.3 percent in 2011 to 9.1 percent in 2012) (Table 3).

## **Fetal Deaths**

The number of fetal deaths increased for the first time in 2012 since 2008. There were 71 reported fetal deaths of at least 20 weeks of gestation or weighing at least 500 grams in 2012, which were 16.4 percent more than the 61 reported fetal deaths in 2011 and were 23.7 percent fewer than the 93 deaths reported in 2008 (Table 1). During this reporting period, 2008 (93) had the highest number of fetal deaths. About 44.0 percent of the reported fetal deaths in 2012 occurred among women in their twenties and 41 percent to women in their thirties.

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<sup>1</sup> “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.

More than 77.0 percent of reported fetal deaths in 2012 were to black women compared to 75.4 percent in 2011, an increase of about 3.0 percent. Fetal deaths among white women accounted for 12.7 percent in 2012, also an increase of 10.4 percent from 11.5 percent in 2011. Hispanic/Latina women experienced 12.7 percent fetal deaths in 2012, which was nearly twice the rate of 6.6 percent in 2011 (Table 3).

## **Summary**

In 2012, 83.0 percent of the reported pregnancies ended in live births, 16.3 percent ended in induced abortions, and 0.6 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 a decrease in the percentage of reported pregnancies ending as a live birth to women younger than 20 years of age from 2011 to 2012. Figure 2B depicts the percentage of pregnancies ending as an induced abortion over the five-year period. This shows an increase in the percentage of women younger than 20 years with pregnancies ending in abortion from 2011 to 2012. The proportion of reported pregnancies that ended in a live birth varied from 28.6 percent for women younger than 15 years of age to 91.7 percent for women aged 40 years and older (Figure 3). Figure 4 shows the geographic distribution of teen births by ward. The highest numbers of teen births are shown in Ward 8 followed by Wards 7, 5, and 4. The lowest numbers of teen births are shown in Wards 2 and 3. The hot spot analysis for 2012 teen births in Figure 5 also identified that DC residents residing in Wards 7 and 8 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, 2008-2012/<sup>1</sup>**

Age of Women	Reported Pregnancies					Live Births					Induced Abortions / <sup>2</sup>					Fetal Deaths / <sup>3</sup>				
	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012*	2008	2009	2010	2011	2012
<b>Total</b>	10,630	10,889	11,133	11,291	11,285	9,134	9,008	9,156	9,289	9370	1,403	1,806	1,909	1,941	1844	93	75	68	61	71
<b>Under 15 years</b>	39	40	35	39	21	32	26	16	29	6	7	14	19	10	15	0	0	0	0	0
<b>15-19 years</b>	1,306	1,281	1,238	1,119	1,013	1,082	1,031	951	879	790	208	240	275	232	215	16	10	12	8	8
<b>20-24 years</b>	2,354	2,442	2,477	2,518	2,420	1,912	1,832	1,870	1,890	1827	414	594	593	612	575	28	16	14	16	18
<b>25-29 years</b>	2,450	2,539	2,514	2,410	2,479	2,049	2,037	1,994	1,883	1967	385	483	507	519	499	16	19	13	8	13
<b>30-34 years</b>	2,455	2,532	2,780	2,985	2,944	2,217	2,233	2,462	2,622	2618	221	288	302	345	309	17	11	16	18	17
<b>35-39 years</b>	1,601	1,617	1,631	1,719	1,843	1,473	1,469	1,457	1,544	1644	118	137	163	168	187	10	11	11	7	12
<b>40 years and older</b>	418	434	456	496	565	364	377	405	442	518	50	50	49	50	44	4	7	2	4	3
<b>Not Reported</b>	7	4	2	5	0	5	3	1	0	0	0	0	1	5	0	2	1	0	0	0
<b>Rate per 1,000 women</b>																				
<b>Total / <sup>4</sup></b>	71.4	72.2	68.6	68.0	66.4	61.4	59.7	56.4	55.9	55.1	9.4	12.0	11.8	11.7	10.8	0.6	0.5	0.4	0.4	0.4
<b>Under 15 years / <sup>5</sup></b>	2.9	3.0	2.8	3.1	1.7	2.3	1.9	1.3	2.3	0.5	0.5	1.0	1.5	0.8	1.2	0.0	0.0	0.0	0.0	0.0
<b>15-19 years</b>	61.4	59.1	59.0	54.5	49.4	50.9	47.6	45.4	42.8	38.5	9.8	11.1	13.1	11.3	10.5	0.8	0.5	0.6	0.4	0.4
<b>20-24 years</b>	80.9	89.8	70.2	74.1	74.1	65.7	67.4	53.0	55.6	56.0	14.2	21.9	16.8	18.0	17.6	1.0	0.6	0.4	0.5	0.6
<b>25-29 years</b>	77.8	78.7	67.1	60.6	60.2	65.1	63.2	53.2	47.4	47.7	12.2	15.0	13.5	13.1	12.1	0.5	0.6	0.3	0.2	0.3
<b>30-34 years</b>	99.0	94.5	97.6	96.8	89.0	89.4	83.3	86.5	85.0	79.1	8.9	10.7	10.6	11.2	9.3	0.7	0.4	0.6	0.6	0.5
<b>35-39 years</b>	72.7	70.1	75.9	78.9	81.0	66.9	63.7	67.8	70.9	72.3	5.4	5.9	7.6	7.7	8.2	0.5	0.5	0.5	0.3	0.5
<b>40 years and older / <sup>6</sup></b>	20.8	21.9	24.5	25.8	28.5	18.1	19.0	21.8	23.0	26.1	2.5	2.5	2.6	2.6	2.2	0.2	0.4	0.1	0.2	0.2

1 / Rates were calculated using Bureau of the Census July 2008 - July 2009, July 2011-July 2012 population estimates and 2010 Census 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<sup>st</sup> quarter proportions by facilities.

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, 2008-2012**

Age of Women	Live Births					Induced Abortions / <sup>1</sup>					Fetal Deaths / <sup>2</sup>				
	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012*	2008	2009	2010	2011	2012
<b>Total</b>	85.9	82.7	82.2	82.3	83.0	13.2	16.6	17.1	17.2	16.3	0.9	0.7	0.6	0.5	0.6
<b>Under 15 years</b>	82.1	65.0	45.7	74.4	28.6	17.9	35.0	54.3	25.6	71.4	0.0	0.0	0.0	0.0	0.0
<b>15-19 years</b>	82.9	80.5	76.6	78.6	78.0	15.9	18.7	22.2	20.7	21.2	1.2	0.8	1.0	0.7	0.8
<b>20-24 years</b>	81.2	75.0	75.4	75.1	75.5	17.6	24.3	23.9	24.3	23.8	1.2	0.7	0.6	0.6	0.7
<b>25-29 years</b>	83.6	80.2	79.2	78.1	79.3	15.7	19.0	20.2	21.5	20.1	0.7	0.7	0.5	0.3	0.5
<b>30-34 years</b>	90.3	88.2	88.6	87.8	88.9	9.0	11.4	10.9	11.6	10.5	0.7	0.4	0.6	0.6	0.6
<b>35-39 years</b>	92.0	90.8	89.3	89.8	89.2	7.4	8.5	10.0	9.8	10.1	0.6	0.7	0.7	0.4	0.7
<b>40 years and older</b>	87.1	86.9	88.8	89.1	91.7	12.0	11.5	10.7	10.1	7.8	1.0	1.6	0.4	0.8	0.5

<sup>1</sup> / 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<sup>st</sup> quarter proportions by facilities.

<sup>2</sup> / 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, 2008-2012**

Race/Ethnicity of Women	Reported Pregnancies					Live Births					Induced Abortions / <sup>1</sup>					Fetal Deaths / <sup>2</sup>				
	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012*	2008	2009	2010	2011	2012
<b>Total</b>	10,630	10,889	11,133	11,291	11,285	9,134	9,008	9,156	9,289	9,370	1,403	1,806	1,909	1,941	1,844	93	75	68	61	71
<b>Black</b>	5,947	5,965	6,129	6,153	6,004	5,031	4,847	4,940	4,903	4,816	845	1,069	1,146	1,204	1,133	71	49	43	46	55
<b>(Percent)</b>	(55.9)	(54.8)	(55.1)	(54.5)	(53.2)	(55.1)	(53.8)	(54.0)	(52.8)	(51.4)	(60.2)	(59.2)	(60.0)	(62.0)	(61.4)	(76.3)	(65.3)	(63.2)	(75.4)	(77.5)
<b>White</b>	2,819	3,094	3,067	3,283	3,391	2,494	2,655	2,632	2,843	2,974	314	428	425	433	408	11	11	10	7	9
<b>(Percent)</b>	(26.5)	(28.4)	(27.5)	(29.1)	(30.0)	(27.3)	(29.5)	(28.7)	(30.6)	(31.7)	(22.4)	(23.7)	(22.3)	(22.3)	(22.1)	(11.8)	(14.7)	(14.7)	(11.5)	(12.7)
<b>API</b>	273	356	430	502	485	220	298	365	420	411	53	58	63	80	74	0	0	2	2	0
<b>(Percent)</b>	(2.6)	(3.3)	(3.9)	(4.4)	(4.3)	(2.4)	(3.3)	(4.0)	(4.5)	(4.4)	(3.8)	(3.2)	(3.3)	(4.1)	(4.0)	(0.0)	(0.0)	(2.9)	(3.3)	(0.0)
<b>Other</b>	1,533	1,130	843	825	1,050	1,349	904	622	612	814	183	222	221	209	229	1	4	0	4	7
<b>(Percent)</b>	(14.4)	(10.4)	(7.6)	(7.3)	(9.3)	(14.8)	(10.0)	(6.8)	(6.6)	(8.7)	(13.0)	(12.3)	(11.6)	(10.8)	(12.4)	(1.1)	(5.3)	(0.0)	(6.6)	(9.9)
<b>Not Reported+</b>	58	344	664	528	355	44	304	597	511	355	8	29	54	15	0	10	11	13	2	0
<b>(Percent)</b>	(0.5)	(3.2)	(6.0)	(4.7)	(3.1)	(0.4)	(3.4)	(6.5)	(5.5)	(3.8)	(0.6)	(1.6)	(2.8)	(0.8)	(0.0)	(10.8)	(14.7)	(19.1)	(3.3)	(0.0)
<b>Ethnicity</b>																				
<b>Total</b>	10,630	10,889	11,133	11,291	11,285	9,134	9,008	9,156	9,289	9,370	1,403	1,806	1,909	1,941	1,844*	93	75	68	61	71
<b>Hispanic/Latina/ <sup>3</sup></b>	1,674	1,674	1,527	1,503	1,546	1,527	1,498	1,351	1,358	1,370	141	170	169	141	167	6	6	7	4	9
<b>(Percent)</b>	(15.7)	(15.4)	(13.7)	(13.3)	13.7	(16.7)	(16.6)	(14.8)	(14.6)	(14.6)	(10.0)	(9.4)	(8.9)	(7.3)	(9.1)	(6.5)	(8.0)	(10.3)	(6.6)	(12.7)
<b>Not Hispanic/Latina</b>	8,926	8,971	9,497	9,666	9,698	7,596	7,305	7,721	7,828	7,966	1,257	1,617	1,721	1,781	1,670	73	49	55	57	62
<b>(Percent)</b>	(84.0)	(82.4)	(85.3)	(85.6)	(85.9)	(83.2)	(81.1)	(84.3)	(84.3)	(85.0)	(89.6)	(89.5)	(90.2)	(91.8)	(90.6)	(78.5)	(65.3)	(80.9)	(93.4)	(87.3)
<b>Not Reported+</b>	30	244	109	122	41	11	205	84	103	34	5	19	19	19	7	14	20	6	0	0
<b>(Percent)</b>	(0.3)	(2.2)	(1.0)	(1.1)	(0.4)	(0.1)	(2.3)	(0.9)	(1.1)	(0.4)	(0.4)	(1.1)	(1.0)	(1.0)	(0.4)	(15.1)	(26.7)	(8.8)	(0.0)	(0.0)

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<sup>st</sup> quarter proportions by facilities.

2 / Includes only fetal deaths of at least 20 weeks gestation or at least 500 grams.

3 / Persons of Hispanic origin may be of any race. Therefore, each race category contains persons of both Hispanic and non-Hispanic origin.

+ Facility did not report data by race/ethnicity.

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

**Table 4. Number of Reported Pregnancies by Outcome and Age-Specific Rates for Teenagers Aged 15-19 Years by Age: District of Columbia, 2008-2012**

Age of Teenagers	Live Births / <sup>2</sup>					Induced Abortions / <sup>3</sup>					Fetal Deaths / <sup>4</sup>				
	2008	2009	2010	2011	2012	2008	2009	2010	2011	2012*	2008	2009	2010	2011	2012
<b>Total (15-19 years)</b>	1,082	1,032	951	879	790	208	240	275	232	215	16	10	12	8	8
<b>15 years</b>	70	46	41	35	36	15	18	23	17	12	2	1	1	1	0
<b>16 years</b>	121	115	104	73	88	32	21	44	18	21	2	2	2	0	1
<b>17 years</b>	197	203	159	172	114	38	45	41	32	40	2	2	0	1	1
<b>(15-17 years)</b>	(388)	(364)	(304)	(280)	(238)	(85)	(84)	(108)	(67)	(73)	(6)	(5)	(3)	(2)	(2)
<b>18 years</b>	321	306	282	240	229	62	66	58	63	56	6	4	4	4	3
<b>19 years</b>	373	362	365	359	323	61	90	109	102	86	4	1	5	2	3
<b>(18-19 years)</b>	(694)	(668)	(647)	(599)	(552)	(123)	(156)	(167)	(165)	(142)	(10)	(10)	(9)	(6)	(6)
<b>Rates per 1,000 Women</b>															
<b>Total (15-19 years) /<sup>5</sup></b>	50.8	47.6	45.4	42.8	38.5	9.8	11.1	13.1	11.3	10.5	0.8	0.5	0.6	0.4	0.4
<b>15 years</b>	24.0	15.5	15.2	13.2	13.6	5.2	6.1	8.5	6.4	4.5	0.7	0.3	0.4	0.4	0.0
<b>16 years</b>	40.3	37.6	37.0	26.5	32.0	10.7	6.9	15.6	6.5	7.6	0.7	0.7	0.7	0.0	0.4
<b>17 years</b>	62.1	62.8	53.3	58.9	39.1	12.0	13.9	13.7	11.0	13.7	0.6	0.6	0.0	0.3	0.3
<b>(15-17 years)</b>	(42.8)	(39.3)	(35.8)	(33.7)	(28.6)	(9.4)	(9.1)	(12.7)	(8.1)	(8.8)	(0.7)	(0.5)	(0.4)	(0.2)	(0.3)
<b>18 years</b>	61.3	57.4	53.5	46.5	44.4	11.8	12.4	11.0	12.2	10.9	1.1	0.8	0.8	0.8	0.6
<b>19 years</b>	53.5	51.0	50.7	50.9	45.9	8.8	12.7	15.1	14.5	12.2	0.6	0.1	0.7	0.3	0.6
<b>(18-19 years)</b>	(56.9)	(53.8)	(51.9)	(49.1)	(45.2)	(10.1)	(12.6)	(13.4)	(13.5)	(11.6)	(0.8)	(0.4)	(0.7)	(0.5)	(0.5)

1 / Rates were calculated using Bureau of the Census July 2008-2009, July 2011 and 2012 population estimated on 2010 Census population.

2 / Age-specific fertility rate per 1,000 women in each age/age group category.

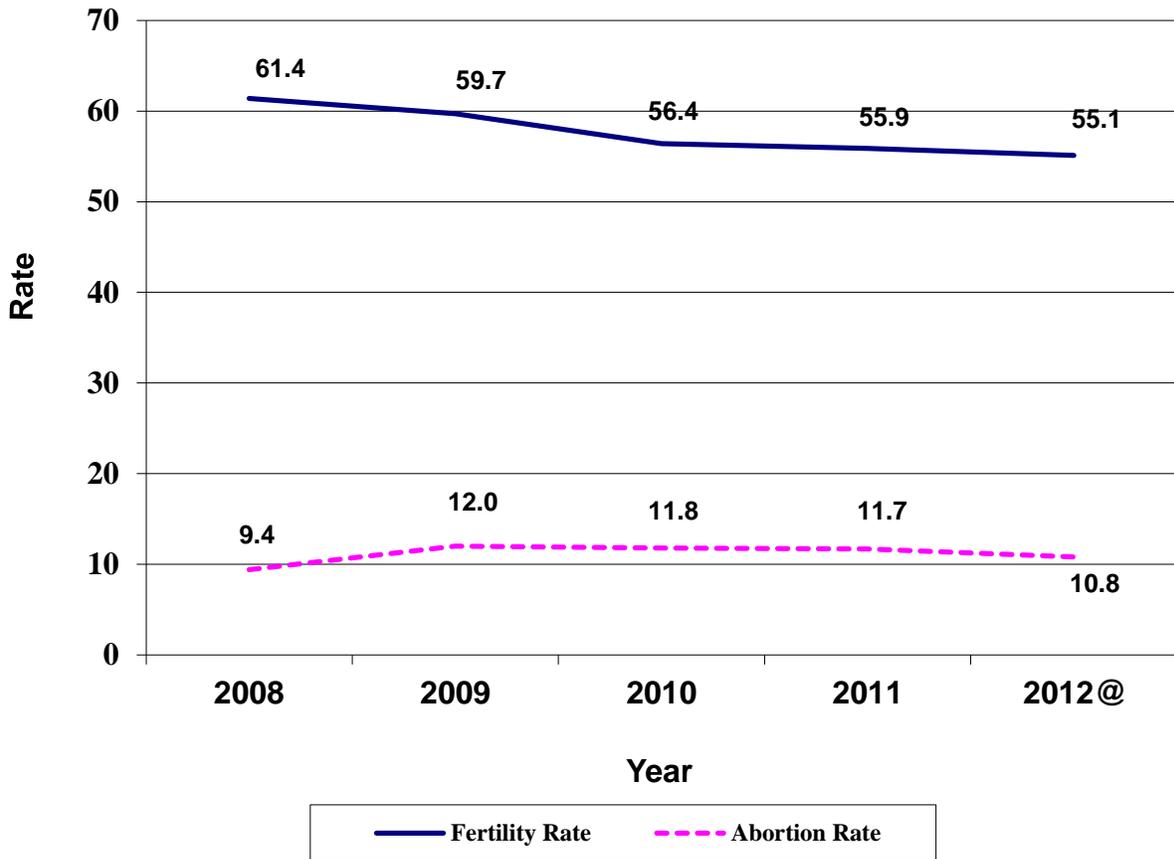
3 / Age-specific rate per 1,000 women in each age/age group category. Only abortions reported to the D.C. Department of Health (including out-of-state abortions to D.C. residents) are included in this table. \* First quarter of 2012 abortion data were estimated using 2011 1<sup>st</sup> quarter proportions by facilities.

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, 2008-2012**



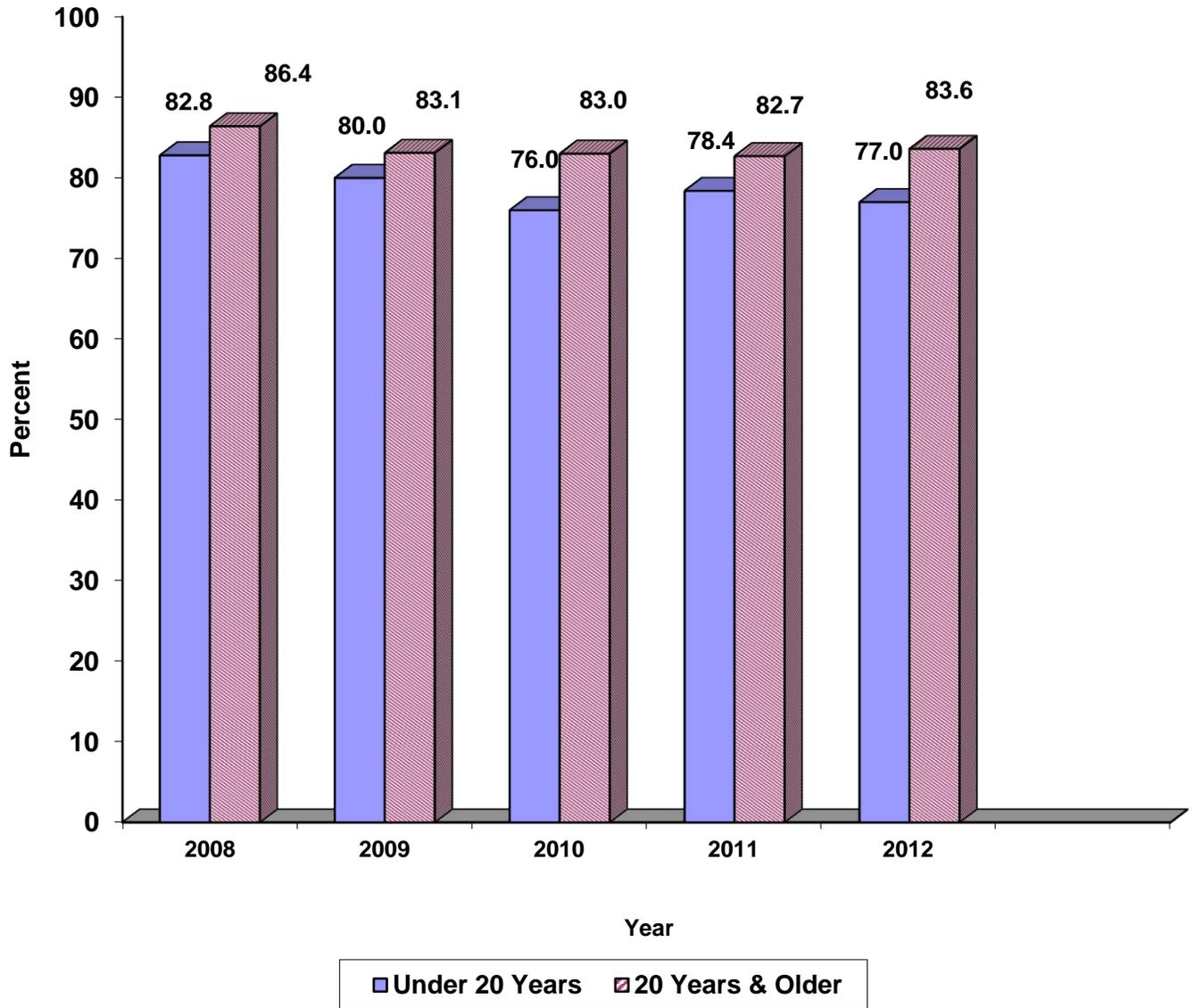
\*The abortion rate is the number of abortions per 1,000 females 15-44 years of age.

\*\*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.

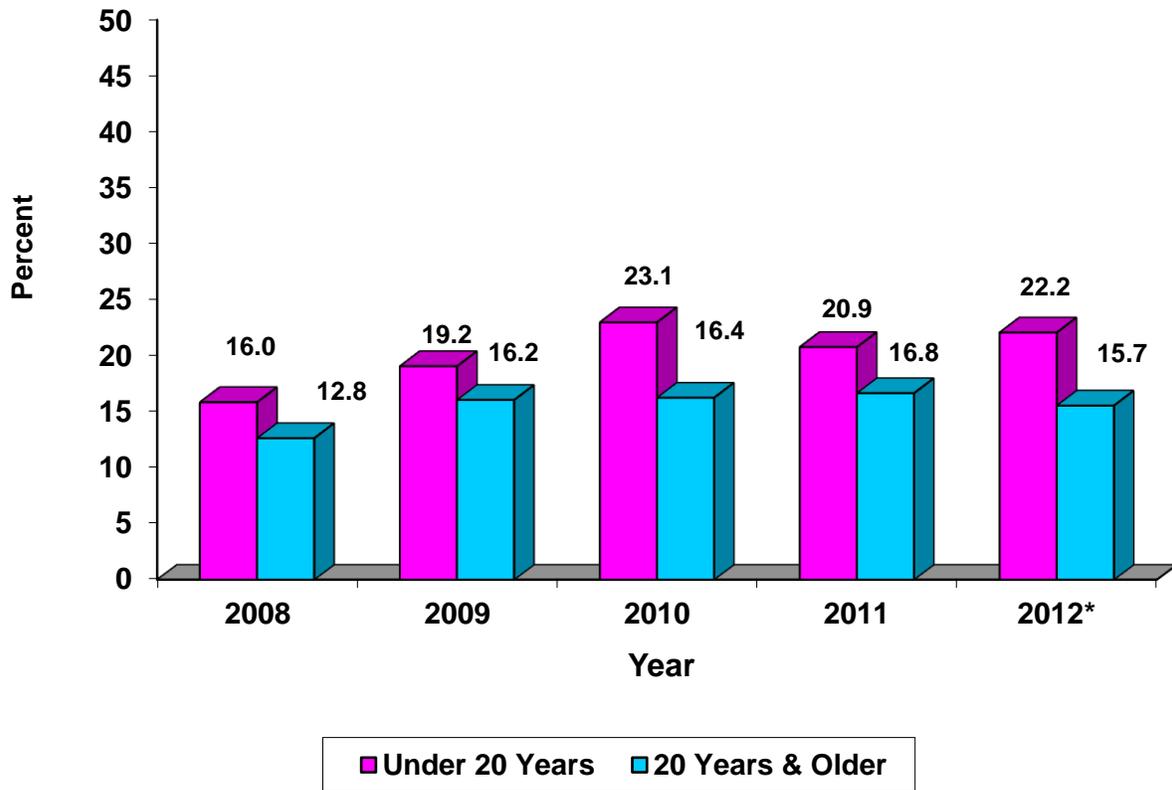
Source: Data management and Analysis Division, Center for Policy, Planning, and Evaluation,  
DC Department of Health.

**Figure 2A. Percent of Reported Pregnancies Ending as a Live Birth by Age: District of Columbia, 2008-2012**



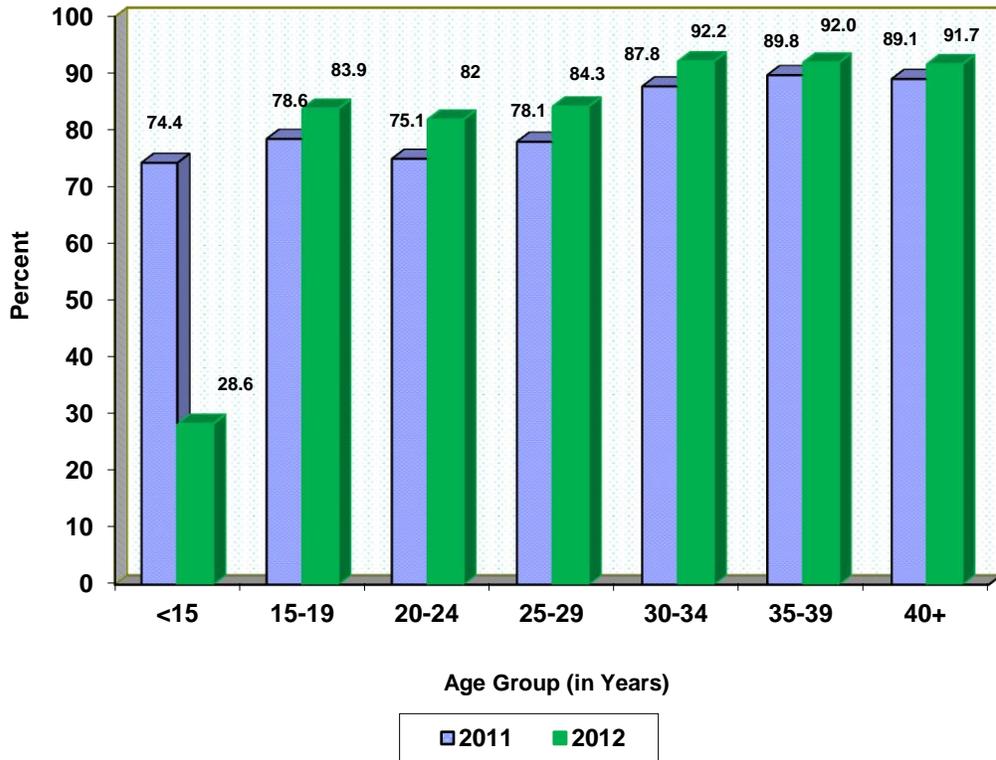
Source: Data management and Analysis Division, Center for Policy, Planning, and Evaluation, DC Department of Health.

**Figure 2B. Percent of Reported Pregnancies Ending as Abortion by Age: District of Columbia, 2008-2012**



\*2012 First quarter abortion data were estimated using proportion of 2011 1<sup>st</sup> quarter data from same facilities.  
 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, 2011-2012**



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

Figure 4

# District of Columbia Teen Births by Ward, 2012

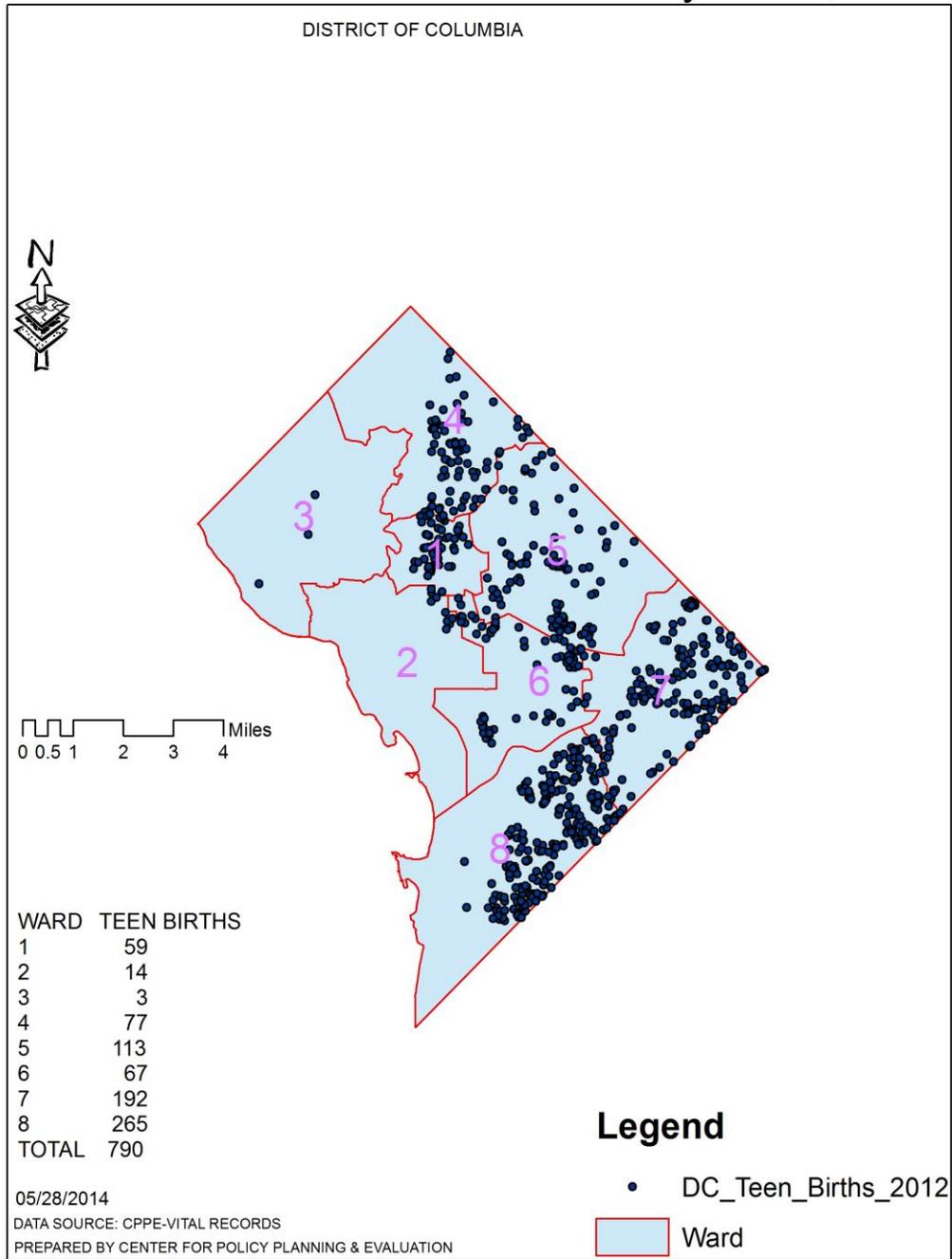
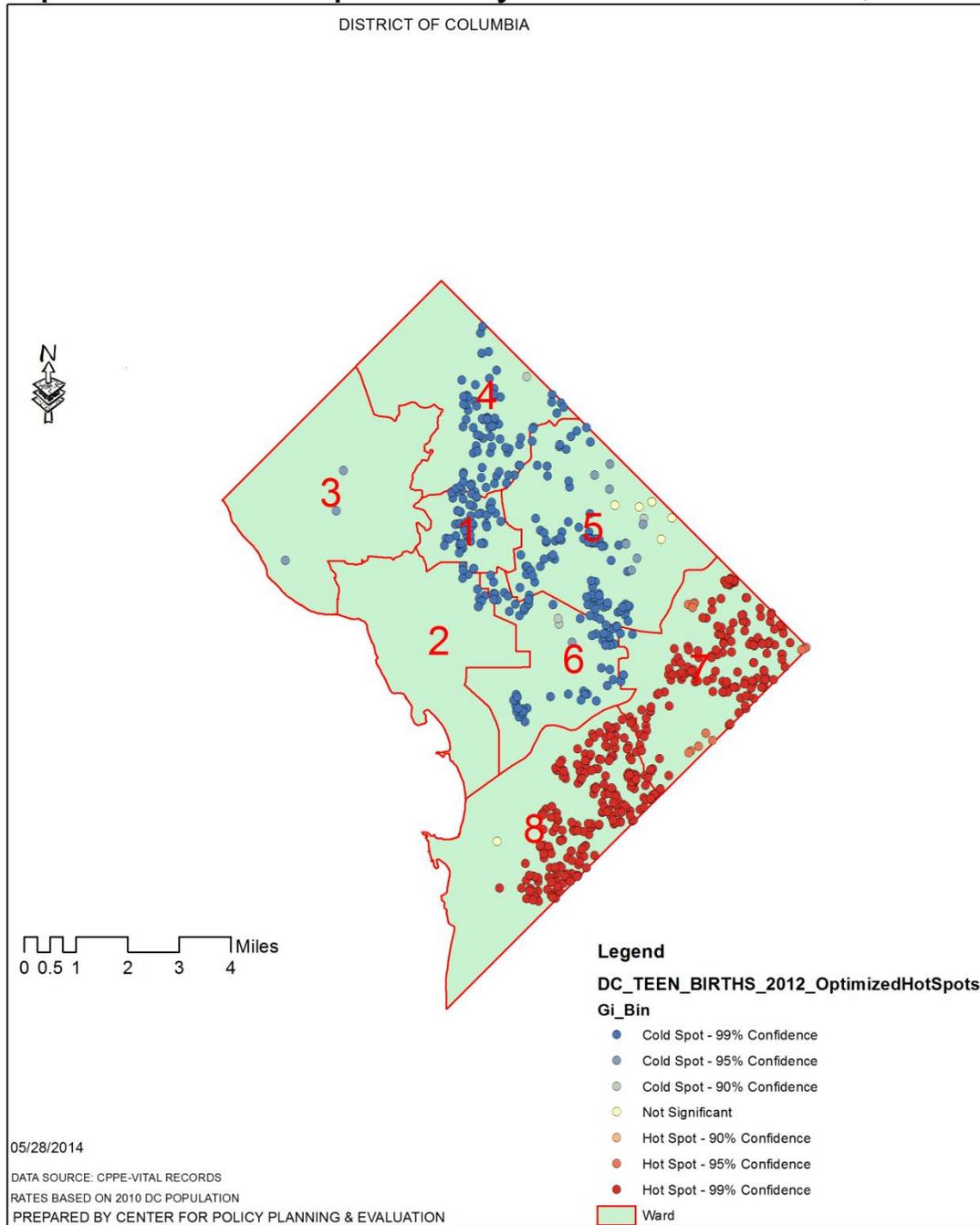


Figure 5

# Optimized Hot Spot Analysis of Teen Births, 2012



HOT SPOTS OF TEEN BIRTHS ARE SHOWN AS RED DOTS AT 99% CONFIDENCE IN WARDS 6, 7 AND 8.  
COLD SPOTS OF TEEN BIRTHS ARE SHOWN AS BLUE DOTS AT 99% CONFIDENCE IN WARDS 1, 2, 4, 5, AND 6.

# **APPENDICES**

**Census 2000 and 2010 Population by Age and Gender  
District of Columbia**

Age in Years	2000 Census			2010 Census		
	Both sexes	Female	Male	Both sexes	Female	Male
	<b>572,059</b>	<b>302,693</b>	<b>269,366</b>	<b>601,723</b>	<b>317,501</b>	<b>284,222</b>
<b>Under 5 years</b>	<b>32,536</b>	<b>16,053</b>	<b>16,483</b>	<b>32,613</b>	<b>16,080</b>	<b>16,533</b>
<b>5 to 9 years</b>	<b>35,385</b>	<b>17,625</b>	<b>17,760</b>	<b>26,147</b>	<b>12,949</b>	<b>13,198</b>
<b>Total 10-44 years</b>	<b>309,147</b>	<b>158,654</b>	<b>150,493</b>	<b>334,474</b>	<b>174,714</b>	<b>159,760</b>
<b>10 to 14 years</b>	<b>30,018</b>	<b>14,921</b>	<b>15,097</b>	<b>25,041</b>	<b>12,400</b>	<b>12,641</b>
<b>15 to 19 years</b>	<b>37,867</b>	<b>19,851</b>	<b>18,016</b>	<b>39,919</b>	<b>20,968</b>	<b>18,951</b>
<b>20 to 24 years</b>	<b>51,823</b>	<b>28,206</b>	<b>23,617</b>	<b>64,110</b>	<b>35,309</b>	<b>28,801</b>
<b>25 to 29 years</b>	<b>52,849</b>	<b>27,617</b>	<b>25,232</b>	<b>69,649</b>	<b>37,482</b>	<b>32,167</b>
<b>30 to 34 years</b>	<b>48,913</b>	<b>24,391</b>	<b>24,522</b>	<b>55,096</b>	<b>28,479</b>	<b>26,617</b>
<b>35 to 39 years</b>	<b>45,949</b>	<b>22,558</b>	<b>23,391</b>	<b>42,925</b>	<b>21,478</b>	<b>21,447</b>
<b>40 to 44 years</b>	<b>46,720</b>	<b>21,110</b>	<b>20,618</b>	<b>37,734</b>	<b>18,598</b>	<b>19,136</b>
<b>Total 15-44 years</b>	<b>279,129</b>	<b>143,733</b>	<b>135,396</b>	<b>309,433</b>	<b>162,314</b>	<b>147,119</b>
<b>45 to 49 years</b>	<b>39,397</b>	<b>20,652</b>	<b>18,745</b>	<b>38,539</b>	<b>19,005</b>	<b>19,534</b>
<b>50 to 54 years</b>	<b>35,913</b>	<b>19,298</b>	<b>16,615</b>	<b>37,164</b>	<b>19,050</b>	<b>18,114</b>
<b>55 to 59 years</b>	<b>27,803</b>	<b>15,128</b>	<b>12,675</b>	<b>34,274</b>	<b>18,280</b>	<b>15,994</b>
<b>60 to 64 years</b>	<b>21,980</b>	<b>11,928</b>	<b>10,052</b>	<b>29,703</b>	<b>16,305</b>	<b>13,398</b>
<b>65 to 69 years</b>	<b>18,525</b>	<b>10,363</b>	<b>8,162</b>	<b>21,488</b>	<b>11,883</b>	<b>9,605</b>
<b>70 to 74 years</b>	<b>17,394</b>	<b>10,453</b>	<b>6,941</b>	<b>15,481</b>	<b>8,810</b>	<b>6,671</b>
<b>75 to 79 years</b>	<b>14,976</b>	<b>9,374</b>	<b>5,602</b>	<b>11,820</b>	<b>7,038</b>	<b>4,782</b>
<b>80 to 84 years</b>	<b>10,028</b>	<b>6,613</b>	<b>3,415</b>	<b>9,705</b>	<b>6,189</b>	<b>3,516</b>
<b>85 and over</b>	<b>8,975</b>	<b>6,552</b>	<b>2,423</b>	<b>10,315</b>	<b>7,198</b>	<b>3,117</b>

Source: U.S. Census Bureau, Census 2000 & 2010

<b>2009, 2011, and 2012 Estimated Population and 2010 Census Population by Selected Age for Women: District of Columbia</b>				
<b>Age in Years</b>	<b>Population in 2009</b>	<b>Population in 2010</b>	<b>Population in 2011</b>	<b>Population in 2012</b>
<b>Total Women</b>	<b>316,594</b>	<b>317,501</b>	<b>325,775</b>	<b>333,282</b>
<b>Total 10-44 years</b>	<b>164,231</b>	<b>174,714</b>	<b>178,526</b>	<b>182,711</b>
<b>10-14</b>	<b>13,390</b>	<b>12,400</b>	<b>12,445</b>	<b>12,651</b>
<b>15-19</b>	<b>21,678</b>	<b>20,968</b>	<b>20,531</b>	<b>20,511</b>
<b>20-24</b>	<b>27,179</b>	<b>35,309</b>	<b>33,984</b>	<b>32,649</b>
<b>25-29</b>	<b>32,253</b>	<b>37,482</b>	<b>39,741</b>	<b>41,207</b>
<b>30-34</b>	<b>26,807</b>	<b>28,479</b>	<b>30,851</b>	<b>33,095</b>
<b>35-39</b>	<b>23,072</b>	<b>21,478</b>	<b>21,784</b>	<b>22,744</b>
<b>40-44</b>	<b>19,852</b>	<b>18,598</b>	<b>19,190</b>	<b>19,854</b>
<b>Total 15-44 years</b>	<b>150,841</b>	<b>162,314</b>	<b>166,081</b>	<b>170,060</b>

Source: U.S. Census Bureau, Population Division, May 2012

<b>2000 and 2010 Census Population, 2009, 2011, and 2012 Estimated Population by Individual Age for Women Aged 15 to 19 Years, District of Columbia</b>					
<b>Age of Women (in years)</b>	<b>2000</b>	<b>2009*</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>
<b>Total 15-19</b>	19,851	21,678	20,968	20,531	20,511
<b>15</b>	2,714	2,964	2,700	2,644	2,641
<b>16</b>	2,801	3,059	2,814	2,755	2,752
<b>17</b>	2,958	3,230	2,983	2,921	2,918
<b>15-17</b>	8,473	9,253	8,497	8,320	8,311
<b>18</b>	4,880	5,329	5,272	5,162	5,157
<b>19</b>	6,498	7,096	7,199	7,049	7,043
<b>18-19</b>	11,378	12,425	12,471	12,211	12,200

\* 2009 estimated population by individual age is based on Census 2000 proportion by age; 2011 and 2012 estimated population by individual age are based on Census 2010 population.  
Source: U.S. Census Bureau, Census 2000 & 2010 summary file2, Table PCT3

## 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).

$$\frac{\text{Live Births}}{\text{Estimated mid-year female population 5-44 years old}} \times 1,000$$

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 2008-2012 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, report 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 1<sup>st</sup> 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.

## 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.

**Births and Fetal Deaths.** Race of women is reported in nine categories on the fetal death certificate (from 2008- Jan, 2009), 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 from July 2008-2009 and 2010 Census Population and estimates for 2011 and 2012.

### **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](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/>