

For more information about these tables contact the Health Statistics Section of the Colorado Department of Public Health and Environment at 303.692.2160.

## **Pueblo County Births and Deaths 2007**

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## Selected birth characteristics: Pueblo County residents, 2007

Characteristic	Number	Percent
Total Live Births	2,154	100.0
Age of Mother		
10-17	117	5.4
18-19	225	10.4
20-29	1,303	60.5
30+	509	23.6
Low Weight Births (<2,500 Grams)	226	10.5
Very Low Weight Births (<1,500 Grams)	44	2.0
Prenatal Care Later than 1st Trimester/No Care	644	30.1
No Prenatal Care	24	1.1
Preterm Births (<37 Weeks)	200	9.3
Education of Mother <High School Diploma/GED	524	24.4
Live Births to Unmarried Women	911	42.4
Smoking During Pregnancy	330	15.3

*"Education of Mother," "Births to Unmarried Women," and "Smoking During Pregnancy" are among items collected in 2007, using the revised birth certificate, that are not directly comparable to data collected before 2007. See notes page at end of report for details of these revised data items.*

*\* indicates one or two events in the category.*

*Sums may not add to total due to cases with age of mother unknown.*

*Percentages are of total births, excluding cases with specific characteristics unknown.*

*See technical notes at [www.cdphe.state.co.us/hs](http://www.cdphe.state.co.us/hs) for definitions of data items.*

*Source: Health Statistics Section, Colorado Department of Public Health and Environment.*

## Selected birth characteristics by age group of mother: Pueblo County residents, 2007

Characteristic	All Ages		10-17		18-19		20-29		30+	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Total Live Births</b>	2,154	100.0	117	100.0	225	100.0	1,303	100.0	509	100.0
<b>Race/Ethnicity of Mother</b>										
White Non-Hispanic	959	44.9	19	16.5	69	30.8	584	45.2	287	56.9
White Hispanic	1,055	49.4	86	74.8	142	63.4	634	49.1	193	38.3
Black	36	1.7	*	*	8	3.6	17	1.3	9	1.8
Other	85	4.0	8	7.0	5	2.2	57	4.4	15	3.0
<b>Low Weight Births (&lt;2,500 Grams)</b>	226	10.5	8	6.9	15	6.7	134	10.3	69	13.6
Very Low Weight Births (<1,500 Grams)	44	2.0	*	*	*	*	20	1.5	20	3.9
<b>Prenatal Care Later than 1st Trimester/No Care</b>	644	30.1	43	37.1	95	42.2	395	30.5	111	22.0
No Prenatal Care	24	1.1	5	4.3	3	1.3	10	0.8	6	1.2
<b>Preterm Births (&lt;37 Weeks)</b>	200	9.3	9	7.7	12	5.3	113	8.7	66	13.0
<b>Education of Mother &lt;High School Diploma/GED</b>	524	24.4	108	92.3	103	45.8	262	20.2	51	10.1
<b>Live Births to Unmarried Women</b>	911	42.3	106	90.6	173	76.9	546	41.9	86	16.9
<b>Smoking During Pregnancy</b>	330	15.3	15	12.8	43	19.1	208	16.0	64	12.6

***"Education of Mother," "Births to Unmarried Women," and "Smoking During Pregnancy" are among items collected in 2007, using the revised birth certificate, that are not directly comparable to data collected before 2007. See notes page at end of report for details of these revised data items.***

***\* indicates one or two events in the category.***

***Sums may not add to total due to cases with age of mother unknown.***

***Percentages are of total births, excluding cases with specific characteristics unknown.***

***See technical notes at [www.cdphe.state.co.us/hs](http://www.cdphe.state.co.us/hs) for definitions of data items.***

***Source: Health Statistics Section, Colorado Department of Public Health and Environment.***

## Selected birth characteristics by race/ethnicity of mother: Pueblo County residents, 2007

Characteristic	White Non-Hispanic		White Hispanic		Black		Asian American/Pacific Islander		American Indian/Native Alaskan	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Total Live Births</b>	959	100.0	1,055	100.0	36	100.0	25	100.0	49	100.0
<b>Age of Mother</b>										
<b>10-17</b>	19	2.0	86	8.2	*	*	*	*	5	10.2
<b>18-19</b>	69	7.2	142	13.5	8	22.2	0	0.0	4	8.2
<b>20-29</b>	584	60.9	634	60.1	17	47.2	15	60.0	34	69.4
<b>30+</b>	287	29.9	193	18.3	9	25.0	9	36.0	6	12.2
<b>Low Weight Births (&lt;2,500 Grams)</b>	101	10.5	107	10.2	7	19.4	*	*	5	10.2
<b>Very Low Weight Births (&lt;1,500 Grams)</b>	23	2.4	17	1.6	3	8.3	0	0.0	0	0.0
<b>Prenatal Care Later than 1st Trimester/No Care</b>	243	25.4	343	32.7	16	44.4	7	28.0	25	51.0
<b>No Prenatal Care</b>	5	0.5	16	1.5	*	*	0	0.0	*	*
<b>Preterm Births (&lt;37 Weeks)</b>	92	9.6	95	9.0	4	11.1	*	*	*	*
<b>Education of Mother &lt;High School Diploma/GED</b>	120	12.5	359	34.2	9	25.7	5	20.0	18	36.7
<b>Live Births to Unmarried Women</b>	278	29.0	565	53.6	20	55.6	6	24.0	23	46.9
<b>Smoking During Pregnancy</b>	190	19.8	120	11.4	5	13.9	3	12.0	10	20.4

*"Education of Mother," "Births to Unmarried Women," and "Smoking During Pregnancy" are among items collected in 2007, using the revised birth certificate, that are not directly comparable to data collected before 2007. See notes page at end of report for details of these revised data items.*

*\* indicates one or two events in the category.*

*Sums may not add to total due to cases with age or race/ethnicity of mother unknown.*

*Percentages are of total births, excluding cases with specific characteristics unknown.*

*See technical notes at [www.cdphe.state.co.us/hs](http://www.cdphe.state.co.us/hs) for definitions of data items.*

*Source: Health Statistics Section, Colorado Department of Public Health and Environment.*

**Live births and fertility rates with 95% confidence limits by age group of mother: Pueblo County residents, 2007**

<b>Age Group</b>	<b>Births</b>	<b>Population</b>	<b>Fertility Rate</b>	<b>Lower Limit</b>	<b>Upper Limit</b>
<b>All Ages</b>	2,154	31,561	68.2	65.5	71.0
<b>Teen Age Groups</b>					
<b>13-14</b>	6	2,114	2.8	0.3	5.3
<b>15-17</b>	111	3,225	34.4	28.0	40.9
<b>18-19</b>	225	2,597	86.6	75.6	97.7
<b>10-17</b>	117	8,337	14.0	11.4	16.6
<b>10-19</b>	342	10,934	31.3	28.0	34.6
<b>All Age Groups</b>					
<b>10-14</b>	6	5,112	1.2	0.1	2.2
<b>15-19</b>	336	5,822	57.7	51.6	63.8
<b>20-24</b>	706	6,294	112.2	104.3	120.0
<b>25-29</b>	597	4,819	123.9	114.5	133.3
<b>30-34</b>	327	4,684	69.8	62.4	77.2
<b>35-39</b>	149	4,893	30.5	25.5	35.4
<b>40-49</b>	33	10,574	3.1	2.0	4.2

*\* indicates one or two events in the category.*

*Sums may not add to total due to cases with age of mother unknown.*

*Rates are live births per 1,000 female population in each age group.*

*Population data for 'all ages' are females ages 15-44.*

*See technical notes at [www.cdphe.state.co.us/hs](http://www.cdphe.state.co.us/hs) for definitions of data items.*

*Source: Health Statistics Section, Colorado Department of Public Health and Environment.*

## Vital statistics summary: Pueblo County residents, 1997, 2003-2007

	1997	2003	2004	2005	2006	2007	2003-2007 Annual Average
<b>Total Population</b>	134,794	148,560	149,563	150,917	153,080	155,724	151,569
<b>Total Births</b>							
Number	1,776	1,998	1,966	1,936	2,132	2,154	2,037
Birth Rate	13.2	13.4	13.1	12.8	13.9	13.8	13.4
General Fertility Rate	63.2	65.6	64.6	63.3	68.8	68.2	66.1
<b>Age of Mother 10-17</b>							
Number	158	119	141	104	122	117	121
Percent of Total Births	8.9	6.0	7.2	5.4	5.7	5.4	5.9
Fertility Rate	20.4	14.4	17.0	12.5	14.8	14.0	14.6
<b>Low Weight Births (&lt;2,500 Grams)</b>							
Number	180	215	179	174	205	226	200
Percent	10.1	10.8	9.1	9.0	9.6	10.5	9.8
<b>Prenatal Care Later Than 1st Trimester/No Care</b>							
Number	300	427	386	437	511	644	481
Percent	16.9	21.4	19.7	22.6	24.0	30.1	23.7
<b>Births to Unmarried Women</b>							
Number	811	926	947	937	1,059	911	
Percent	45.7	46.3	48.2	48.4	49.7	42.3	
<b>Mother's Education &lt;12 Years</b>							
Number	451	556	618	595	634	524	
Percent	25.5	27.9	31.5	30.8	29.9	24.3	
<b>Infant Deaths</b>							
Number	20	15	13	10	13	15	13
Rate	11.3	7.5	6.6	5.2	6.1	7.0	6.5
<b>Neonatal Deaths</b>							
Number	8	7	6	8	11	7	8
Rate	4.5	3.5	3.1	4.1	5.2	3.2	3.8
<b>Total Deaths</b>							
Number	1,367	1,523	1,454	1,468	1,463	1,560	1,494
Crude Rate	1014.1	1025.2	972.2	972.7	955.7	1001.8	985.4
Age-Adjusted Rate	905.6	914.3	865.2	860.2	852.1	896.7	877.6
<b>Cardiovascular Disease</b>							
Number	434	452	414	433	405	398	420
Age-Adjusted Rate	283.4	268.4	242.6	251.5	232.7	226.3	244.1
<b>Heart Disease</b>							
Number	335	321	276	303	277	275	290
Age-Adjusted Rate	218.6	191.1	162.6	176.2	159.7	157.3	169.2

(Continued)

**HIGHLIGHTED ROWS:** Denotes data items collected in 2007, using the revised birth certificate, that are not directly comparable to data collected before 2007. Due to this incomparability, 5-year averages for these data items are not presented in this report. See notes page at end of report for details of these revised data items.

\* indicates one or two events in the category.

Birth rates are per 1,000 total population. General fertility rates are births per 1,000 females ages 15-44.

Fertility rates for mothers ages 10-17 are births per 1,000 females of this age group.

Infant and neonatal mortality rates are per 1,000 live births. Other death rates are per 100,000 population.

Age-adjusted rates are adjusted to the 2000 U.S. population using the direct method applied to 10-year age groups.

Source: Health Statistics Section, Colorado Department of Public Health and Environment.

## Vital statistics summary: Pueblo County residents, 1997, 2003-2007

	1997	2003	2004	2005	2006	2007	2003-2007 Annual Average
<b>Cerebrovascular Disease</b>							
Number	82	95	100	94	96	88	95
Age-Adjusted Rate	53.8	56.0	58.0	54.6	54.9	49.4	54.5
<b>Malignant Neoplasms</b>							
Number	278	315	289	292	310	327	307
Age-Adjusted Rate	183.6	186.9	169.2	170.2	178.0	186.1	178.0
<b>Lung Cancer</b>							
Number	62	73	75	67	81	71	73
Age-Adjusted Rate	40.3	43.3	43.4	38.9	46.0	40.0	42.3
<b>Breast Cancer</b>							
Number	21	24	15	23	18	17	19
Age-Adjusted Rate	14.2	14.5	8.8	13.3	11.1	9.7	11.4
<b>Total Unintentional Injuries</b>							
Number	67	69	79	71	59	63	68
Age-Adjusted Rate	47.0	44.2	51.3	44.0	36.4	38.6	42.8
<b>Motor Vehicle</b>							
Number	26	27	33	19	15	22	23
Age-Adjusted Rate	19.0	17.8	22.0	12.6	9.3	14.5	15.2
<b>Other Unintentional Injuries</b>							
Number	41	42	46	52	44	41	45
Age-Adjusted Rate	28.0	26.5	29.3	31.4	27.0	24.1	27.7
<b>Chronic Lower Respiratory Diseases</b>							
Number	101	111	129	116	115	135	121
Age-Adjusted Rate	65.2	64.8	74.5	66.1	65.3	75.1	69.2
<b>Suicide</b>							
Number	29	32	32	26	22	34	29
Age-Adjusted Rate	22.0	21.5	21.9	16.7	14.5	23.0	19.5
<b>Homicide and Legal Intervention</b>							
Number	10	8	9	10	8	10	9
Age-Adjusted Rate	7.4	5.7	5.8	6.9	5.8	6.4	6.1
<b>Work-Related Injury</b>							
Number	6	3	3	4	6	*	4
Age-Adjusted Rate	4.4	2.3	1.9	3.0	3.9	*	2.5

**HIGHLIGHTED ROWS:** Denotes data items collected in 2007, using the revised birth certificate, that are not directly comparable to data collected before 2007. Due to this incomparability, 5-year averages for these data items are not presented in this report. See notes page at end of report for details of these revised data items.

\* indicates one or two events in the category.

Birth rates are per 1,000 total population. General fertility rates are births per 1,000 females ages 15-44.

Fertility rates for mothers ages 10-17 are births per 1,000 females of this age group.

Infant and neonatal mortality rates are per 1,000 live births. Other death rates are per 100,000 population.

Age-adjusted rates are adjusted to the 2000 U.S. population using the direct method applied to 10-year age groups.

Source: Health Statistics Section, Colorado Department of Public Health and Environment.

## Deaths from selected causes by race/ethnicity: Pueblo County residents, 2007

Cause of Death	All Races		White Non-Hispanic		White Hispanic		Black		Asian American/Pacific Islander		American Indian/Native Alaskan	
	N	%	N	%	N	%	N	%	N	%	N	%
<b>Total</b>	1,560	100.0	1,110	100.0	419	100.0	24	100.0	*	*	5	100.0
<b>Cardiovascular Disease</b>	398	25.5	295	26.6	99	23.6	3	12.5	0	0.0	*	*
Heart Disease	275	17.6	206	18.6	66	15.8	*	*	0	0.0	*	*
Cerebrovascular Disease	88	5.6	64	5.8	24	5.7	0	0.0	0	0.0	0	0.0
Atherosclerosis	3	0.2	*	*	*	*	0	0.0	0	0.0	0	0.0
<b>Malignant Neoplasms</b>	327	21.0	244	22.0	78	18.6	4	16.7	0	0.0	*	*
Lung Cancer	71	4.6	58	5.2	11	2.6	*	*	0	0.0	0	0.0
Breast Cancer	17	1.1	16	1.4	*	*	0	0.0	0	0.0	0	0.0
<b>Chronic Lower Respiratory Disease</b>	135	8.7	114	10.3	20	4.8	*	*	0	0.0	0	0.0
<b>Unintentional Injuries</b>	63	4.0	43	3.9	19	4.5	*	*	0	0.0	0	0.0
Motor Vehicle	22	1.4	14	1.3	7	1.7	*	*	0	0.0	0	0.0
Other Unintentional Injuries	41	2.6	29	2.6	12	2.9	0	0.0	0	0.0	0	0.0
<b>Pneumonia and Influenza</b>	30	1.9	21	1.9	7	1.7	*	*	0	0.0	0	0.0
<b>Suicide</b>	34	2.2	23	2.1	9	2.1	*	*	0	0.0	0	0.0
<b>Diabetes Mellitus</b>	57	3.7	27	2.4	28	6.7	*	*	0	0.0	*	*
<b>HIV Infection</b>	4	0.3	*	*	3	0.7	0	0.0	0	0.0	0	0.0
<b>Chronic Liver Disease and Cirrhosis</b>	35	2.2	14	1.3	21	5.0	0	0.0	0	0.0	0	0.0
<b>Alzheimer's Disease</b>	45	2.9	34	3.1	10	2.4	0	0.0	0	0.0	*	*
<b>Nephritis, Nephrosis, Nephrotic Syndrome</b>	27	1.7	18	1.6	9	2.1	0	0.0	0	0.0	0	0.0
<b>Homicide and Legal Intervention</b>	10	0.6	3	0.3	5	1.2	*	*	0	0.0	0	0.0
<b>Septicemia</b>	23	1.5	19	1.7	3	0.7	*	*	0	0.0	0	0.0
<b>Congenital Anomalies</b>	8	0.5	5	0.5	3	0.7	0	0.0	0	0.0	0	0.0
<b>Perinatal Period Conditions</b>	6	0.4	*	*	5	1.2	0	0.0	0	0.0	0	0.0
<b>All Other</b>	358	22.9	248	22.3	100	23.9	8	33.3	*	*	*	*
<b>Injury by Firearm</b>	29	1.9	17	1.5	9	2.1	3	12.5	0	0.0	0	0.0
<b>Drug-Induced Deaths</b>	23	1.5	18	1.6	5	1.2	0	0.0	0	0.0	0	0.0
<b>Alcohol-Induced Deaths</b>	21	1.3	6	0.5	15	3.6	0	0.0	0	0.0	0	0.0
<b>Work-Related Injury (Y/N Check Death Certificate)</b>	*	*	*	*	*	*	0	0.0	0	0.0	0	0.0

\* indicates one or two events in the category.

Percentages are of total deaths of each race/ethnicity category.

Source: Health Statistics Section, Colorado Department of Public Health and Environment.

## Deaths and age-specific death rates: Pueblo County residents, 2007

Age Group	Deaths	Population	Age-Specific Death Rate
	Age Group	Age Group	Age Group
All Ages	1,560	155,724	10.0
Infant	15	2,154	7.0
Neonatal	7	2,154	3.2
1-4	3	8,231	0.4
5-9	0	10,396	0.0
10-14	3	10,452	0.3
15-19	10	11,781	0.8
20-24	6	13,106	0.5
25-29	14	9,775	1.4
30-34	15	9,363	1.6
35-39	25	9,751	2.6
40-44	25	10,127	2.5
45-49	49	10,860	4.5
50-54	91	10,590	8.6
55-59	75	9,413	8.0
60-64	96	7,176	13.4
65-69	129	6,016	21.4
70-74	126	5,896	21.4
75-79	174	4,809	36.2
80-84	222	3,178	69.9
85+	482	2,764	174.4
1-14	6	29,079	0.2
15-24	16	24,887	0.6
25-64	390	77,055	5.1
65+	1,133	22,663	50.0

\* indicates one or two events in the category.

Infant death is death in the first year of life. Neonatal death is death occurring prior to the 28th day of life.

Infant and neonatal mortality rates are per 1,000 live births. Other death rates are per 1,000 population of the age group. Population figures for infant and neonatal groups are live births.

Source: Health Statistics Section, Colorado Department of Public Health and Environment.

## Deaths and age-specific death rates from selected causes: Pueblo County residents, 2007

Cause of Death	<1		1-14		15-24		25-44		45-64		65+	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
All Causes	15	7.0	6	0.2	16	0.6	79	2.0	311	8.2	1,133	50.0
Cardiovascular Disease	*	*	0	0.0	*	*	13	0.3	69	1.8	314	13.9
Heart Disease	0	0.0	0	0.0	0	0.0	11	0.3	56	1.5	208	9.2
Cerebrovascular Disease	0	0.0	0	0.0	*	*	*	*	7	0.2	78	3.4
Atherosclerosis	0	0.0	0	0.0	0	0.0	0	0.0	*	*	*	*
Malignant Neoplasms	0	0.0	*	*	*	*	10	0.3	82	2.2	232	10.2
Lung Cancer	0	0.0	0	0.0	0	0.0	*	*	20	0.5	50	2.2
Breast Cancer	0	0.0	0	0.0	0	0.0	0	0.0	7	0.2	10	0.4
Chronic Lower Respiratory Diseases	0	0.0	0	0.0	0	0.0	0	0.0	25	0.7	110	4.9
Unintentional Injuries	0	0.0	*	*	9	0.4	13	0.3	13	0.3	27	1.2
Motor Vehicle	0	0.0	*	*	5	0.2	9	0.2	5	0.1	*	*
Other Unintentional Injuries	0	0.0	0	0.0	4	0.2	4	0.1	8	0.2	25	1.1
Pneumonia and Influenza	*	*	0	0.0	0	0.0	0	0.0	*	*	27	1.2
Suicide	0	0.0	*	*	0	0.0	15	0.4	13	0.3	5	0.2
Diabetes Mellitus	0	0.0	0	0.0	*	*	*	*	10	0.3	44	1.9
HIV Infection	0	0.0	0	0.0	0	0.0	*	*	*	*	0	0.0
Chronic Liver Disease and Cirrhosis	0	0.0	0	0.0	0	0.0	*	*	24	0.6	9	0.4
Alzheimer's Disease	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	45	2.0
Nephritis, Nephrosis, Nephrotic Syndrome	0	0.0	0	0.0	0	0.0	0	0.0	5	0.1	22	1.0
Homicide and Legal Intervention	0	0.0	*	*	*	*	3	0.1	4	0.1	*	*
Septicemia	0	0.0	*	*	*	*	0	0.0	3	0.1	18	0.8
Congenital Anomalies	*	*	*	*	0	0.0	*	*	*	*	*	*
Perinatal Period Conditions	6	2.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
All Other	5	2.3	0	0.0	*	*	17	0.4	57	1.5	278	12.3
Injury by Firearm	0	0.0	*	*	*	*	12	0.3	11	0.3	4	0.2
Drug-Induced Deaths	0	0.0	0	0.0	3	0.1	10	0.3	10	0.3	0	0.0
Alcohol-Induced Deaths	0	0.0	0	0.0	0	0.0	3	0.1	16	0.4	*	*
Work-Related Injury (Y/N Check Death Certificate)	0	0.0	0	0.0	*	*	0	0.0	*	*	0	0.0

\* indicates one or two events in the category.

Infant (<1 year) mortality rates are per 1,000 live births.

Other rates are deaths per 1,000 population of the age group.

Source: Health Statistics Section, Colorado Department of Public Health and Environment.

**Deaths, crude death rates and age-adjusted death rates with 95% confidence limits from selected causes:  
Pueblo County residents, 2007**

Cause of Death	N	Rate	Age-Adjusted Rate	Lower Limit	Upper Limit
All Causes	1,560	1,001.8	896.7	853.5	939.9
Cardiovascular Disease	398	255.6	226.3	204.3	248.3
Heart Disease	275	176.6	157.3	138.8	175.8
Cerebrovascular Disease	88	56.5	49.4	39.1	59.7
Atherosclerosis	3	1.9	1.6	0.2	4.3
Malignant Neoplasms	327	210.0	186.1	165.9	206.2
Lung Cancer	71	45.6	40.0	30.7	49.3
Breast Cancer	17	10.9	9.7	5.1	14.3
Chronic Lower Respiratory Diseases	135	86.7	75.1	62.5	87.7
Unintentional Injuries	63	40.5	38.6	29.0	48.2
Motor Vehicle	22	14.1	14.5	8.3	20.6
Other Unintentional Injuries	41	26.3	24.1	16.7	31.5
Pneumonia and Influenza	30	19.3	16.9	10.8	22.9
Suicide	34	21.8	23.0	15.2	30.8
Diabetes Mellitus	57	36.6	32.4	23.9	40.8
HIV Infection	4	2.6	2.9	0.8	6.2
Chronic Liver Disease and Cirrhosis	35	22.5	20.2	13.5	26.9
Alzheimer's Disease	45	28.9	25.2	17.9	32.6
Nephritis, Nephrosis, Nephrotic Syndrome	27	17.3	15.1	9.4	20.9
Homicide and Legal Intervention	10	6.4	6.4	3.1	11.0
Septicemia	23	14.8	13.0	7.7	18.3
Congenital Anomalies	8	5.1	5.2	2.2	9.4
Perinatal Period Conditions	6	3.9	4.1	1.5	7.8
All Other	358	229.9	206.3	185.0	227.5
Injury by Firearm	29	18.6	19.6	12.4	26.8
Drug-Induced Deaths	23	14.8	15.8	9.3	22.3
Alcohol-Induced Deaths	21	13.5	12.8	7.3	18.3
Work-Related Injury (Y/N Check Death Certificate)	*	*	*	*	*

*\* indicates one or two events in the category.*

*Rates are deaths per 100,000 population.*

*Crude death rates are calculated without age-adjustment.*

*Age-adjusted rates are adjusted to the 2000 U.S. standard population using the direct method applied to 10-year age groups.*

*Age-adjusted rates provide a better basis for comparison among different geographical areas or time periods.*

*Source: Health Statistics Section, Colorado Department of Public Health and Environment.*

## Notes Regarding Colorado's Revised Certificate of Live Birth

These tables contain Colorado birth data that were collected using the 1989 Revision of the U.S. Standard Certificate of Live Birth (unrevised) and the 2003 Revision of the U.S. Standard Certificate of Live Birth (revised)<sup>1,2,3</sup>. Colorado's birth registration system used the unrevised certificate for births through calendar year 2006; while births in 2007 through the present were registered using the revised certificate. Among the differences in the revised birth certificate are changes to the following data items:

- Mother's and father's race, captures multiple race identification instead of single race identification
- Mother's and father's education, captures highest degree attained instead of total years of education
- Mother's marital status at time of birth, captures never married, married, widowed, separated, and divorced instead of just married or unmarried
- Cigarette smoking before and during pregnancy, captures levels of smoking in each trimester instead of just smoking any time during pregnancy

And the addition of the following data items:

- Method of delivery includes fetal presentation and trial of labor prior to cesarean delivery
- Pre-pregnancy weight, weight at delivery and height, used to calculate Body Mass Index
- Congenital anomalies, certain conditions have been added or removed
- Fertility therapy
- Did mother get WIC food for herself during this pregnancy
- Infections during pregnancy
- Maternal morbidity
- Breast feeding
- Principal source of payment for the delivery

Data items noted above that were collected using both the unrevised certificate and the revised certificate are not directly comparable. Analyses of birth data for time periods that include both revised and unrevised data should be performed with caution.

To facilitate analyses of births by race, the multiple race identification in revised certificates has been bridged back to a single race using a system developed by the National Center for Health Statistics at the Centers for Disease Control and Prevention<sup>4</sup>. *Please note*, however, that there has been an increase in the number of births reported with "other" or "unknown" maternal and paternal race and/or Hispanic ethnicity in 2007 compared to previous years. This is likely attributable to the change to the revised certificate.

The Health Statistics Section at the Colorado Department of Public Health and Environment is available to assist with analyses of these data, as well as to answer questions one might have regarding the revised certificate and the affected data items. For further information or assistance, please contact the Health Statistics Section at **(303) 692-2160** or by e-mail at [health.statistics@state.co.us](mailto:health.statistics@state.co.us).

### References:

- <sup>1</sup> National Center for Health Statistics. 2003 revision of the U.S. Standard Certificate of Live Birth. 2003. Available from: [http://www.cdc.gov/nchs/vital\\_certs\\_rev.htm](http://www.cdc.gov/nchs/vital_certs_rev.htm).
- <sup>2</sup> National Center for Health Statistics. Report of the Panel to Evaluate the U.S. Standard Certificates and Reports. National Center for Health Statistics. 2000. Available from: [http://www.cdc.gov/nchs/data/dvs/panelreport\\_acc.pdf](http://www.cdc.gov/nchs/data/dvs/panelreport_acc.pdf).
- <sup>3</sup> Martin JA, Hamilton BE, Sutton PD, et al. Births: Final data for 2004. National vital statistics reports; vol 55 no 1. Hyattsville, MD: National Center for Health Statistics. 2006.
- <sup>4</sup> NCHS Procedures for Multiple-Race and Hispanic Origin Data: Collection, Coding, Editing, and Transmitting. Division of Vital Statistics, National Center for Health Statistics, Centers for Disease Control and Prevention, May 7, 2004. Available from: [http://www.cdc.gov/nchs/data/dvs/Multiple\\_race\\_docu\\_5-10-04.pdf](http://www.cdc.gov/nchs/data/dvs/Multiple_race_docu_5-10-04.pdf).