

# 8 ci [ `Ug County Births and Deaths 20%

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For more information about these tables, please contact the Health Statistics Section of the Colorado Department of Public Health and Environment by telephone at **(303) 692-2160** or by email at [health.statistics@state.co.us](mailto:health.statistics@state.co.us).

## Selected birth characteristics: Douglas County residents, 2010

Characteristic	Number	Percent
Total Live Births	3,559	100.0
Age of Mother		
10-17	8	0.2
18-19	62	1.7
20-29	1,266	35.6
30+	2,223	62.5
Low Weight Births (<2,500 Grams)	359	10.1
Very Low Weight Births (<1,500 Grams)	62	1.7
Prenatal Care Later than 1st Trimester/No Care	292	8.3
No Prenatal Care	18	0.5
Preterm Births (<37 Weeks)	382	10.7
Education of Mother <High School Diploma/GED	99	2.8
Live Births to Unmarried Women	293	8.2
Smoking During Pregnancy	90	2.5

*"Education of Mother," "Births to Unmarried Women," and "Smoking During Pregnancy" are among items collected starting 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: Douglas County residents, 2010

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>	3,559	100.0	8	100.0	62	100.0	1,266	100.0	2,223	100.0
<b>Race/Ethnicity of Mother</b>										
White, Non-Hispanic	2,951	84.1	*	*	44	74.6	1,045	83.8	1,860	84.7
White, Hispanic	250	7.1	4	57.1	12	20.3	98	7.9	136	6.2
Black	35	1.0	0	0.0	0	0.0	22	1.8	13	0.6
Asian American/Pacific Islander	217	6.2	0	0.0	*	*	50	4.0	166	7.6
American Indian/Native Alaskan	6	0.2	0	0.0	0	0.0	5	0.4	*	*
Other	49	1.4	*	*	*	*	27	2.2	19	0.9
Unknown	51		*	*	3		19		28	
<b>Low Weight Births (&lt;2,500 Grams)</b>	359	10.1	*	*	4	6.5	131	10.3	222	10.0
Very Low Weight Births (<1,500 Grams)	62	1.7	0	0.0	*	*	18	1.4	43	1.9
<b>Prenatal Care Later than 1st Trimester/No Care</b>	292	8.3	*	*	13	22.0	148	11.9	129	5.8
No Prenatal Care	18	0.5	*	*	*	*	7	0.6	9	0.4
<b>Preterm Births (&lt;37 Weeks)</b>	382	10.7	3	37.5	4	6.5	131	10.3	244	11.0
<b>Education of Mother &lt;High School Diploma/GED</b>	99	2.8	8	100.0	25	40.3	41	3.3	25	1.1
<b>Live Births to Unmarried Women</b>	293	8.2	7	87.5	42	67.7	168	13.3	76	3.4
<b>Smoking During Pregnancy</b>	90	2.5	0	0.0	4	6.5	52	4.1	34	1.5

*"Education of Mother," "Births to Unmarried Women," and "Smoking During Pregnancy" are among items collected starting 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.*

*Percentage not computed for cells shaded in light gray.*

*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: Douglas County residents, 2010

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>	2,951	100.0	250	100.0	35	100.0	217	100.0	6	100.0
<b>Age of Mother</b>										
<b>10-17</b>	*	*	4	1.6	0	0.0	0	0.0	0	0.0
<b>18-19</b>	44	1.5	12	4.8	0	0.0	*	*	0	0.0
<b>20-29</b>	1,045	35.4	98	39.2	22	62.9	50	23.0	5	83.3
<b>30+</b>	1,860	63.0	136	54.4	13	37.1	166	76.5	*	*
<b>Low Weight Births (&lt;2,500 Grams)</b>	284	9.6	28	11.2	4	11.4	31	14.3	*	*
<b>Very Low Weight Births (&lt;1,500 Grams)</b>	50	1.7	5	2.0	0	0.0	3	1.4	*	*
<b>Prenatal Care Later than 1st Trimester/No Care</b>	204	7.0	46	18.5	10	30.3	17	7.9	*	*
<b>No Prenatal Care</b>	11	0.4	4	1.6	0	0.0	0	0.0	0	0.0
<b>Preterm Births (&lt;37 Weeks)</b>	314	10.6	30	12.0	*	*	27	12.4	*	*
<b>Education of Mother &lt;High School Diploma/GED</b>	39	1.3	41	16.5	*	*	7	3.3	0	0.0
<b>Live Births to Unmarried Women</b>	220	7.5	33	13.2	10	28.6	11	5.1	*	*
<b>Smoking During Pregnancy</b>	83	2.8	4	1.6	*	*	*	*	0	0.0

*"Education of Mother," "Births to Unmarried Women," and "Smoking During Pregnancy" are among items collected starting 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: Douglas County residents, 2010**

Age Group	Births	Population	Fertility Rate	Lower Limit	Upper Limit
All Ages	3,559	57,918	61.4	59.5	63.4
<b>Teen Age Groups</b>					
13-14	0	4,744	0.0	0.0	0.0
15-17	8	6,617	1.2	0.3	2.1
18-19	62	2,444	25.4	18.9	31.8
10-17	8	18,871	0.4	0.1	0.7
10-19	70	21,315	3.3	2.5	4.1
<b>All Age Groups</b>					
10-14	0	12,254	0.0	0.0	0.0
15-19	70	9,061	7.7	5.9	9.6
20-24	311	5,042	61.7	54.9	68.4
25-29	955	7,468	127.9	120.2	135.5
30-34	1,345	10,059	133.7	127.0	140.4
35-39	725	12,727	57.0	52.9	61.0
40-49	152	26,499	5.7	4.8	6.7

*\* 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: Douglas County residents, 2000, 2006-2010

	2000	2006	2007	2008	2009	2010	2006-2010 Annual Average
<b>Total Population</b>	175,766	257,833	268,599	276,740	282,163	285,465	274,160
<b>Total Births</b>							
Number	3,455	4,210	4,034	3,883	3,705	3,559	3,878
Birth Rate	19.7	16.3	15.0	14.0	13.1	12.5	14.1
General Fertility Rate	82.3	74.0	69.0	65.8	63.3	61.4	66.7
<b>Age of Mother 10-17</b>							
Number	18	25	17	23	24	8	19
Percent of Total Births	0.5	0.6	0.4	0.6	0.6	0.2	0.5
Fertility Rate	1.7	1.5	1.0	1.3	1.3	0.4	1.1
<b>Low Weight Births (&lt;2,500 Grams)</b>							
Number	265	373	374	333	322	359	352
Percent	7.7	8.9	9.3	8.6	8.7	10.1	9.1
<b>Prenatal Care Later Than 1st Trimester/No Care</b>							
Number	107	283	359	328	345	292	321
Percent	3.1	6.9	9.0	8.6	9.4	8.3	8.4
<b>Births to Unmarried Women</b>							
Number	152	327	276	298	317	293	
Percent	4.4	7.8	6.8	7.7	8.6	8.2	
<b>Mother's Education &lt;12 Years</b>							
Number	67	104	90	106	112	99	
Percent	2.0	2.6	2.3	2.8	3.1	2.8	
<b>Infant Deaths</b>							
Number	5	20	10	23	14	14	16
Rate	1.4	4.8	2.5	5.9	3.8	3.9	4.2
<b>Neonatal Deaths</b>							
Number	4	17	9	17	10	12	13
Rate	1.2	4.0	2.2	4.4	2.7	3.4	3.4
<b>Total Deaths</b>							
Number	447	704	709	810	855	878	791
Crude Rate	254.3	273.0	264.0	292.7	303.0	307.6	288.6
Age-Adjusted Rate	799.5	600.1	567.9	601.7	560.5	550.3	573.9
<b>Cardiovascular Disease</b>							
Number	121	195	170	181	183	219	190
Age-Adjusted Rate	263.5	182.3	143.3	155.0	136.7	153.0	153.1
<b>Heart Disease</b>							
Number	82	142	128	133	131	156	138
Age-Adjusted Rate	166.5	129.6	104.9	111.4	94.1	107.0	108.5

(Continued)

**HIGHLIGHTED ROWS:** Denotes data items collected starting 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: Douglas County residents, 2000, 2006-2010

	2000	2006	2007	2008	2009	2010	2006-2010 Annual Average
<b>Cerebrovascular Disease</b>							
Number	26	38	31	38	42	52	40
Age-Adjusted Rate	68.3	38.9	28.9	35.5	34.6	38.6	35.5
<b>Malignant Neoplasms</b>							
Number	123	188	191	212	263	244	220
Age-Adjusted Rate	168.6	147.1	141.1	141.2	154.5	128.7	141.7
<b>Lung Cancer</b>							
Number	26	48	46	53	58	46	50
Age-Adjusted Rate	41.0	42.8	34.6	39.0	30.7	27.8	34.2
<b>Breast Cancer</b>							
Number	11	18	16	12	18	23	17
Age-Adjusted Rate	10.0	14.6	11.0	6.0	10.4	8.8	9.9
<b>Total Unintentional Injuries</b>							
Number	30	63	42	51	60	47	53
Age-Adjusted Rate	31.0	34.3	23.0	29.1	30.3	22.0	27.5
<b>Motor Vehicle</b>							
Number	12	26	14	14	15	15	17
Age-Adjusted Rate	8.7	11.1	5.3	5.5	7.2	6.3	7.1
<b>Other Unintentional Injuries</b>							
Number	18	37	28	37	45	32	36
Age-Adjusted Rate	22.4	23.2	17.8	23.6	23.0	15.6	20.4
<b>Chronic Lower Respiratory Diseases</b>							
Number	19	33	38	33	48	39	38
Age-Adjusted Rate	41.9	33.7	34.9	26.9	36.9	30.3	32.5
<b>Suicide</b>							
Number	16	28	31	33	34	35	32
Age-Adjusted Rate	11.5	10.9	13.4	13.9	13.1	13.9	13.2
<b>Homicide and Legal Intervention</b>							
Number	3	3	5	4	*	4	3
Age-Adjusted Rate	3.5	1.3	1.8	1.3	*	1.5	1.2
<b>Work-Related Injury</b>							
Number	*	3	*	0	*	*	*
Age-Adjusted Rate	*	1.5	*	0.0	*	*	*

**HIGHLIGHTED ROWS:** Denotes data items collected starting 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: Douglas County residents, 2010

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>	878	100.0	809	100.0	30	100.0	10	100.0	20	100.0	0	0.0
<b>Cardiovascular Disease</b>	219	24.9	204	25.2	4	13.3	3	30.0	6	30.0	0	0.0
Heart Disease	156	17.8	147	18.2	3	10.0	*	*	3	15.0	0	0.0
Cerebrovascular Disease	52	5.9	46	5.7	*	*	*	*	3	15.0	0	0.0
Atherosclerosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<b>Malignant Neoplasms</b>	244	27.8	227	28.1	7	23.3	*	*	8	40.0	0	0.0
Lung Cancer	46	5.2	44	5.4	0	0.0	*	*	*	*	0	0.0
Breast Cancer	23	2.6	18	2.2	3	10.0	0	0.0	*	*	0	0.0
<b>Chronic Lower Respiratory Disease</b>	39	4.4	39	4.8	0	0.0	0	0.0	0	0.0	0	0.0
<b>Unintentional Injuries</b>	47	5.4	37	4.6	*	*	0	0.0	*	*	0	0.0
Motor Vehicle	15	1.7	9	1.1	*	*	0	0.0	0	0.0	0	0.0
Other Unintentional Injuries	32	3.6	28	3.5	*	*	0	0.0	*	*	0	0.0
<b>Pneumonia and Influenza</b>	15	1.7	14	1.7	*	*	0	0.0	0	0.0	0	0.0
<b>Suicide</b>	35	4.0	34	4.2	0	0.0	*	*	0	0.0	0	0.0
<b>Diabetes Mellitus</b>	18	2.1	18	2.2	0	0.0	0	0.0	0	0.0	0	0.0
<b>HIV Infection</b>	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<b>Chronic Liver Disease and Cirrhosis</b>	8	0.9	8	1.0	0	0.0	0	0.0	0	0.0	0	0.0
<b>Alzheimer's Disease</b>	40	4.6	38	4.7	*	*	0	0.0	0	0.0	0	0.0
<b>Nephritis, Nephrosis, Nephrotic Syndrome</b>	12	1.4	11	1.4	*	*	0	0.0	0	0.0	0	0.0
<b>Homicide and Legal Intervention</b>	4	0.5	3	0.4	0	0.0	*	*	0	0.0	0	0.0
<b>Septicemia</b>	10	1.1	10	1.2	0	0.0	0	0.0	0	0.0	0	0.0
<b>Congenital Anomalies</b>	6	0.7	5	0.6	*	*	0	0.0	0	0.0	0	0.0
<b>Perinatal Period Conditions</b>	8	0.9	6	0.7	*	*	0	0.0	0	0.0	0	0.0
<b>All Other</b>	173	19.7	155	19.2	10	33.3	3	30.0	5	25.0	0	0.0
<b>Injury by Firearm</b>	22	2.5	21	2.6	0	0.0	*	*	0	0.0	0	0.0
<b>Drug-Induced Deaths</b>	24	2.7	21	2.6	*	*	0	0.0	*	*	0	0.0
<b>Alcohol-Induced Deaths</b>	11	1.3	11	1.4	0	0.0	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	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: Douglas County residents, 2010

Age Group	Deaths	Population	Age-Specific Death Rate
	Age Group	Age Group	Age Group
All Ages	878	285,465	3.1
Infant	14	3,559	3.9
Neonatal	12	3,559	3.4
1-4	*	18,125	*
5-9	0	26,664	0.0
10-14	*	24,918	*
15-19	8	18,905	0.4
20-24	10	10,037	1.0
25-29	13	14,184	0.9
30-34	18	18,940	1.0
35-39	13	24,918	0.5
40-44	16	26,710	0.6
45-49	34	25,586	1.3
50-54	36	21,809	1.7
55-59	49	16,947	2.9
60-64	72	13,604	5.3
65-69	69	8,442	8.2
70-74	80	4,884	16.4
75-79	94	3,081	30.5
80-84	119	2,184	54.5
85+	231	1,752	131.8
1-14	*	69,707	*
15-24	18	28,942	0.6
25-64	251	162,698	1.5
65+	593	20,343	29.2

\* 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: Douglas County residents, 2010

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	14	3.9	*	*	18	0.6	60	0.7	191	2.5	593	29.2
Cardiovascular Disease	*	*	0	0.0	*	*	7	0.1	37	0.5	173	8.5
Heart Disease	*	*	0	0.0	*	*	6	0.1	28	0.4	120	5.9
Cerebrovascular Disease	0	0.0	0	0.0	0	0.0	0	0.0	7	0.1	45	2.2
Atherosclerosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	0	0.0	*	*	*	*	10	0.1	86	1.1	145	7.1
Lung Cancer	0	0.0	0	0.0	0	0.0	*	*	10	0.1	35	1.7
Breast Cancer	0	0.0	0	0.0	0	0.0	0	0.0	16	0.2	7	0.3
Chronic Lower Respiratory Diseases	0	0.0	0	0.0	0	0.0	0	0.0	3	0.0	36	1.8
Unintentional Injuries	0	0.0	0	0.0	8	0.3	16	0.2	11	0.1	12	0.6
Motor Vehicle	0	0.0	0	0.0	4	0.1	4	0.0	5	0.1	*	*
Other Unintentional Injuries	0	0.0	0	0.0	4	0.1	12	0.1	6	0.1	10	0.5
Pneumonia and Influenza	0	0.0	0	0.0	*	*	0	0.0	*	*	12	0.6
Suicide	0	0.0	0	0.0	*	*	14	0.2	13	0.2	6	0.3
Diabetes Mellitus	0	0.0	0	0.0	0	0.0	0	0.0	*	*	17	0.8
HIV Infection	0	0.0	0	0.0	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	*	*	6	0.1	*	*
Alzheimer's Disease	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	40	2.0
Nephritis, Nephrosis, Nephrotic Syndrome	0	0.0	0	0.0	0	0.0	0	0.0	*	*	11	0.5
Homicide and Legal Intervention	0	0.0	0	0.0	*	*	*	*	*	*	0	0.0
Septicemia	0	0.0	0	0.0	0	0.0	0	0.0	*	*	9	0.4
Congenital Anomalies	4	1.1	0	0.0	0	0.0	*	*	*	*	0	0.0
Perinatal Period Conditions	8	2.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
All Other	*	*	*	*	3	0.1	9	0.1	28	0.4	131	6.4
Injury by Firearm	0	0.0	0	0.0	*	*	10	0.1	8	0.1	3	0.1
Drug-Induced Deaths	0	0.0	0	0.0	3	0.1	14	0.2	5	0.1	*	*
Alcohol-Induced Deaths	0	0.0	0	0.0	0	0.0	*	*	9	0.1	*	*
Work-Related Injury (Y/N Check Death Certificate)	0	0.0	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:  
Douglas County residents, 2010**

<b>Cause of Death</b>	<b>N</b>	<b>Rate</b>	<b>Age-Adjusted Rate</b>	<b>Lower Limit</b>	<b>Upper Limit</b>
<b>All Causes</b>	878	307.6	550.3	512.6	588.1
<b>Cardiovascular Disease</b>	219	76.7	153.0	131.9	174.1
<b>Heart Disease</b>	156	54.6	107.0	89.3	124.6
<b>Cerebrovascular Disease</b>	52	18.2	38.6	27.7	49.5
<b>Atherosclerosis</b>	0	0.0	0.0	0.0	0.0
<b>Malignant Neoplasms</b>	244	85.5	128.7	111.0	146.3
<b>Lung Cancer</b>	46	16.1	27.8	19.2	36.4
<b>Breast Cancer</b>	23	8.1	8.8	4.8	12.7
<b>Chronic Lower Respiratory Diseases</b>	39	13.7	30.3	20.5	40.0
<b>Unintentional Injuries</b>	47	16.5	22.0	15.2	28.8
<b>Motor Vehicle</b>	15	5.3	6.3	3.0	9.7
<b>Other Unintentional Injuries</b>	31	10.9	15.4	9.5	21.3
<b>Pneumonia and Influenza</b>	15	5.3	10.8	5.1	16.6
<b>Suicide</b>	35	12.3	13.9	8.9	18.9
<b>Diabetes Mellitus</b>	18	6.3	13.5	7.1	20.0
<b>HIV Infection</b>	0	0.0	0.0	0.0	0.0
<b>Chronic Liver Disease and Cirrhosis</b>	8	2.8	2.9	1.2	5.2
<b>Alzheimer's Disease</b>	40	14.0	34.1	23.5	44.7
<b>Nephritis, Nephrosis, Nephrotic Syndrome</b>	12	4.2	9.5	4.0	15.0
<b>Homicide and Legal Intervention</b>	4	1.4	1.5	0.4	3.2
<b>Septicemia</b>	10	3.5	7.3	4.5	10.8
<b>Congenital Anomalies</b>	6	2.1	2.1	0.7	4.1
<b>Perinatal Period Conditions</b>	8	2.8	2.9	1.3	5.2
<b>All Other</b>	173	60.6	117.9	99.4	136.3
<b>Injury by Firearm</b>	22	7.7	8.3	4.7	12.0
<b>Drug-Induced Deaths</b>	24	8.4	9.9	5.6	14.1
<b>Alcohol-Induced Deaths</b>	11	3.9	3.7	1.8	6.3
<b>Work-Related Injury (Y/N Check Death Certificate)</b>	*	*	*	*	*

*\* 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 beginning 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 Transmittal. 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).