

# >YZZYfgcb'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: Jefferson County residents, 2010

Characteristic	Number	Percent
Total Live Births	5,615	100.0
Age of Mother		
10-17	98	1.7
18-19	218	3.9
20-29	2,567	45.7
30+	2,730	48.6
Low Weight Births (<2,500 Grams)	491	8.8
Very Low Weight Births (<1,500 Grams)	72	1.3
Prenatal Care Later than 1st Trimester/No Care	794	14.4
No Prenatal Care	52	0.9
Preterm Births (<37 Weeks)	505	9.0
Education of Mother <High School Diploma/GED	629	11.4
Live Births to Unmarried Women	1,254	22.3
Smoking During Pregnancy	473	8.4

*"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: Jefferson 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>	5,615	100.0	98	100.0	218	100.0	2,567	100.0	2,730	100.0
<b>Race/Ethnicity of Mother</b>										
White, Non-Hispanic	4,078	73.6	31	32.0	113	53.1	1,772	70.1	2,160	80.0
White, Hispanic	1,065	19.2	51	52.6	77	36.2	580	22.9	357	13.2
Black	96	1.7	5	5.2	5	2.3	53	2.1	33	1.2
Asian American/Pacific Islander	197	3.6	3	3.1	*	*	77	3.0	116	4.3
American Indian/Native Alaskan	57	1.0	5	5.2	10	4.7	25	1.0	17	0.6
Other	46	0.8	*	*	7	3.3	21	0.8	16	0.6
Unknown	76		*	*	5		39		31	
<b>Low Weight Births (&lt;2,500 Grams)</b>	491	8.8	12	12.2	21	9.6	227	8.9	231	8.5
Very Low Weight Births (<1,500 Grams)	72	1.3	3	3.1	3	1.4	35	1.4	31	1.1
<b>Prenatal Care Later than 1st Trimester/No Care</b>	794	14.4	24	24.7	66	30.8	396	15.7	308	11.4
No Prenatal Care	52	0.9	3	3.1	7	3.3	22	0.9	20	0.7
<b>Preterm Births (&lt;37 Weeks)</b>	505	9.0	13	13.3	17	7.8	237	9.2	238	8.7
<b>Education of Mother &lt;High School Diploma/GED</b>	629	11.4	84	86.6	83	38.2	323	12.8	139	5.2
<b>Live Births to Unmarried Women</b>	1,254	22.3	89	90.8	152	69.7	744	29.0	269	9.9
<b>Smoking During Pregnancy</b>	473	8.4	10	10.2	33	15.2	293	11.4	137	5.0

*"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 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: Jefferson 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>	4,078	100.0	1,065	100.0	96	100.0	197	100.0	57	100.0
<b>Age of Mother</b>										
<b>10-17</b>	31	0.8	51	4.8	5	5.2	3	1.5	5	8.8
<b>18-19</b>	113	2.8	77	7.2	5	5.2	*	*	10	17.5
<b>20-29</b>	1,772	43.5	580	54.5	53	55.2	77	39.1	25	43.9
<b>30+</b>	2,160	53.0	357	33.5	33	34.4	116	58.9	17	29.8
<b>Low Weight Births (&lt;2,500 Grams)</b>	345	8.5	96	9.0	9	9.5	29	14.7	4	7.0
<b>Very Low Weight Births (&lt;1,500 Grams)</b>	46	1.1	15	1.4	*	*	8	4.1	*	*
<b>Prenatal Care Later than 1st Trimester/No Care</b>	478	11.9	219	20.9	28	30.1	35	17.9	14	24.6
<b>No Prenatal Care</b>	26	0.6	16	1.5	4	4.3	3	1.5	3	5.3
<b>Preterm Births (&lt;37 Weeks)</b>	358	8.8	92	8.6	10	10.4	29	14.7	6	10.5
<b>Education of Mother &lt;High School Diploma/GED</b>	211	5.2	350	33.1	19	20.2	19	9.7	17	29.8
<b>Live Births to Unmarried Women</b>	759	18.6	361	33.9	46	47.9	27	13.7	27	47.4
<b>Smoking During Pregnancy</b>	381	9.4	59	5.5	9	9.4	8	4.1	5	8.9

*"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: Jefferson County residents, 2010

Age Group	Births	Population	Fertility Rate	Lower Limit	Upper Limit
All Ages	5,615	99,378	56.5	55.1	57.9
<b>Teen Age Groups</b>					
13-14	5	6,633	0.8	0.0	1.5
15-17	93	10,585	8.8	7.0	10.6
18-19	218	6,120	35.6	30.9	40.3
10-17	98	27,090	3.6	2.9	4.4
10-19	316	33,210	9.5	8.5	10.6
<b>All Age Groups</b>					
10-14	5	16,505	0.3	0.0	0.6
15-19	311	16,705	18.6	16.5	20.7
20-24	989	14,707	67.2	63.2	71.3
25-29	1,578	16,164	97.6	93.0	102.2
30-34	1,595	15,862	100.6	95.8	105.3
35-39	924	16,975	54.4	51.0	57.9
40-49	207	42,152	4.9	4.2	5.6

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

	2000	2006	2007	2008	2009	2010	2006-2010 Annual Average
<b>Total Population</b>	525,507	524,579	527,120	530,565	532,606	534,543	529,883
<b>Total Births</b>							
Number	6,631	6,252	6,268	6,052	5,799	5,615	5,997
Birth Rate	12.6	11.9	11.9	11.4	10.9	10.5	11.3
General Fertility Rate	57.6	60.4	61.3	59.6	57.8	56.5	59.1
<b>Age of Mother 10-17</b>							
Number	199	170	157	119	123	98	133
Percent of Total Births	3.0	2.7	2.5	2.0	2.1	1.7	2.2
Fertility Rate	6.5	5.9	5.5	4.3	4.5	3.6	4.8
<b>Low Weight Births (&lt;2,500 Grams)</b>							
Number	555	531	533	501	509	491	513
Percent	8.4	8.5	8.5	8.3	8.8	8.7	8.6
<b>Prenatal Care Later Than 1st Trimester/No Care</b>							
Number	602	753	922	924	879	794	854
Percent	9.2	12.2	15.1	15.7	15.4	14.4	14.5
<b>Births to Unmarried Women</b>							
Number	1,163	1,502	1,392	1,347	1,336	1,254	
Percent	17.5	24.0	22.2	22.3	23.0	22.3	
<b>Mother's Education &lt;12 Years</b>							
Number	770	947	910	821	722	629	
Percent	11.7	15.3	14.7	13.7	12.6	11.4	
<b>Infant Deaths</b>							
Number	42	43	36	23	30	28	32
Rate	6.3	6.9	5.7	3.8	5.2	5.0	5.3
<b>Neonatal Deaths</b>							
Number	29	33	21	18	25	20	23
Rate	4.4	5.3	3.4	3.0	4.3	3.6	3.9
<b>Total Deaths</b>							
Number	3,129	3,545	3,555	3,751	3,718	3,729	3,660
Crude Rate	595.4	675.8	674.4	707.0	698.1	697.6	690.6
Age-Adjusted Rate	748.0	730.7	708.0	724.4	691.6	670.2	704.0
<b>Cardiovascular Disease</b>							
Number	1,110	1,050	1,037	984	1,015	976	1,012
Age-Adjusted Rate	276.4	220.8	210.4	192.3	190.5	176.6	197.2
<b>Heart Disease</b>							
Number	704	705	716	715	735	734	721
Age-Adjusted Rate	172.5	145.4	144.4	138.8	137.0	131.8	139.2

(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: Jefferson County residents, 2000, 2006-2010

	2000	2006	2007	2008	2009	2010	2006-2010 Annual Average
<b>Cerebrovascular Disease</b>							
Number	199	163	185	168	170	170	171
Age-Adjusted Rate	50.0	35.0	37.6	33.4	32.4	31.4	33.8
<b>Malignant Neoplasms</b>							
Number	673	812	787	814	802	827	808
Age-Adjusted Rate	155.0	161.7	151.7	152.6	145.1	143.6	150.6
<b>Lung Cancer</b>							
Number	163	206	189	179	187	156	183
Age-Adjusted Rate	37.8	41.4	36.7	33.8	34.1	26.9	34.3
<b>Breast Cancer</b>							
Number	45	55	62	69	56	65	61
Age-Adjusted Rate	9.9	10.5	11.5	12.1	9.7	11.1	11.0
<b>Total Unintentional Injuries</b>							
Number	162	158	193	229	217	205	200
Age-Adjusted Rate	33.7	32.0	37.0	44.1	40.1	36.5	38.1
<b>Motor Vehicle</b>							
Number	61	55	64	52	44	39	51
Age-Adjusted Rate	11.7	10.4	12.3	9.8	7.7	6.9	9.4
<b>Other Unintentional Injuries</b>							
Number	101	103	129	177	173	166	150
Age-Adjusted Rate	21.9	21.6	24.7	34.3	32.4	29.6	28.7
<b>Chronic Lower Respiratory Diseases</b>							
Number	224	242	251	280	271	275	264
Age-Adjusted Rate	55.8	52.0	51.9	55.8	51.0	50.8	52.3
<b>Suicide</b>							
Number	63	92	95	89	99	115	98
Age-Adjusted Rate	12.0	16.1	17.1	16.5	17.7	20.3	17.6
<b>Homicide and Legal Intervention</b>							
Number	10	10	6	11	19	5	10
Age-Adjusted Rate	2.0	1.8	1.2	2.4	3.7	0.9	2.0
<b>Work-Related Injury</b>							
Number	10	6	9	7	5	7	7
Age-Adjusted Rate	1.7	1.1	1.6	1.1	0.9	1.2	1.2

**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: Jefferson 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>	3,729	100.0	3,408	100.0	235	100.0	20	100.0	36	100.0	18	100.0
<b>Cardiovascular Disease</b>	976	26.2	901	26.4	53	22.6	*	*	10	27.8	6	33.3
Heart Disease	734	19.7	683	20.0	36	15.3	*	*	4	11.1	5	27.8
Cerebrovascular Disease	170	4.6	155	4.5	11	4.7	0	0.0	4	11.1	0	0.0
Atherosclerosis	28	0.8	23	0.7	*	*	0	0.0	*	*	*	*
<b>Malignant Neoplasms</b>	827	22.2	755	22.2	49	20.9	8	40.0	6	16.7	6	33.3
Lung Cancer	156	4.2	148	4.3	5	2.1	0	0.0	*	*	0	0.0
Breast Cancer	65	1.7	60	1.8	*	*	0	0.0	0	0.0	3	16.7
<b>Chronic Lower Respiratory Disease</b>	275	7.4	262	7.7	7	3.0	3	15.0	*	*	*	*
<b>Unintentional Injuries</b>	205	5.5	176	5.2	22	9.4	*	*	3	8.3	*	*
Motor Vehicle	39	1.0	28	0.8	9	3.8	*	*	0	0.0	0	0.0
Other Unintentional Injuries	166	4.5	148	4.3	13	5.5	0	0.0	3	8.3	*	*
<b>Pneumonia and Influenza</b>	60	1.6	55	1.6	4	1.7	0	0.0	0	0.0	0	0.0
<b>Suicide</b>	115	3.1	106	3.1	6	2.6	0	0.0	3	8.3	0	0.0
<b>Diabetes Mellitus</b>	62	1.7	53	1.6	7	3.0	*	*	*	*	0	0.0
<b>HIV Infection</b>	6	0.2	6	0.2	0	0.0	0	0.0	0	0.0	0	0.0
<b>Chronic Liver Disease and Cirrhosis</b>	73	2.0	63	1.8	9	3.8	0	0.0	0	0.0	*	*
<b>Alzheimer's Disease</b>	170	4.6	156	4.6	10	4.3	*	*	*	*	0	0.0
<b>Nephritis, Nephrosis, Nephrotic Syndrome</b>	50	1.3	46	1.3	3	1.3	0	0.0	0	0.0	*	*
<b>Homicide and Legal Intervention</b>	5	0.1	4	0.1	*	*	0	0.0	0	0.0	0	0.0
<b>Septicemia</b>	61	1.6	51	1.5	7	3.0	*	*	*	*	0	0.0
<b>Congenital Anomalies</b>	19	0.5	16	0.5	3	1.3	0	0.0	0	0.0	0	0.0
<b>Perinatal Period Conditions</b>	12	0.3	8	0.2	4	1.7	0	0.0	0	0.0	0	0.0
<b>All Other</b>	813	21.8	750	22.0	50	21.3	*	*	9	25.0	*	*
<b>Injury by Firearm</b>	57	1.5	55	1.6	*	*	0	0.0	0	0.0	0	0.0
<b>Drug-Induced Deaths</b>	60	1.6	56	1.6	4	1.7	0	0.0	0	0.0	0	0.0
<b>Alcohol-Induced Deaths</b>	88	2.4	74	2.2	12	5.1	0	0.0	0	0.0	*	*
<b>Work-Related Injury (Y/N Check Death Certificate)</b>	7	0.2	7	0.2	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: Jefferson County residents, 2010

Age Group	Deaths	Population	Age-Specific Death Rate
	Age Group	Age Group	Age Group
All Ages	3,729	534,543	7.0
Infant	28	5,615	5.0
Neonatal	20	5,615	3.6
1-4	7	24,605	0.3
5-9	*	32,839	*
10-14	*	33,982	*
15-19	17	35,312	0.5
20-24	26	31,415	0.8
25-29	32	33,407	1.0
30-34	36	32,394	1.1
35-39	35	34,340	1.0
40-44	66	37,635	1.8
45-49	135	44,884	3.0
50-54	186	46,300	4.0
55-59	219	41,089	5.3
60-64	244	33,124	7.4
65-69	232	22,069	10.5
70-74	282	15,516	18.2
75-79	408	12,088	33.8
80-84	561	9,143	61.4
85+	1,211	8,595	140.9
1-14	11	91,426	0.1
15-24	43	66,727	0.6
25-64	953	303,173	3.1
65+	2,694	67,411	40.0

\* 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: Jefferson 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	28	5.0	11	0.1	43	0.6	169	1.2	784	4.7	2,694	40.0
Cardiovascular Disease	0	0.0	*	*	*	*	27	0.2	163	1.0	783	11.6
Heart Disease	0	0.0	*	*	*	*	23	0.2	138	0.8	571	8.5
Cerebrovascular Disease	0	0.0	*	*	0	0.0	4	0.0	19	0.1	146	2.2
Atherosclerosis	0	0.0	0	0.0	0	0.0	0	0.0	*	*	27	0.4
Malignant Neoplasms	0	0.0	*	*	5	0.1	25	0.2	251	1.5	545	8.1
Lung Cancer	0	0.0	0	0.0	0	0.0	0	0.0	50	0.3	106	1.6
Breast Cancer	0	0.0	0	0.0	0	0.0	3	0.0	24	0.1	38	0.6
Chronic Lower Respiratory Diseases	0	0.0	0	0.0	0	0.0	0	0.0	32	0.2	243	3.6
Unintentional Injuries	0	0.0	3	0.0	14	0.2	29	0.2	60	0.4	99	1.5
Motor Vehicle	0	0.0	*	*	7	0.1	7	0.1	17	0.1	7	0.1
Other Unintentional Injuries	0	0.0	*	*	7	0.1	22	0.2	43	0.3	92	1.4
Pneumonia and Influenza	0	0.0	0	0.0	0	0.0	0	0.0	7	0.0	53	0.8
Suicide	0	0.0	0	0.0	18	0.3	32	0.2	50	0.3	15	0.2
Diabetes Mellitus	0	0.0	0	0.0	0	0.0	3	0.0	17	0.1	42	0.6
HIV Infection	0	0.0	0	0.0	0	0.0	3	0.0	3	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	0	0.0	0	0.0	0	0.0	13	0.1	48	0.3	12	0.2
Alzheimer's Disease	0	0.0	0	0.0	0	0.0	0	0.0	3	0.0	167	2.5
Nephritis, Nephrosis, Nephrotic Syndrome	0	0.0	0	0.0	0	0.0	*	*	*	*	47	0.7
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	7	0.0	54	0.8
Congenital Anomalies	6	1.1	*	*	0	0.0	5	0.0	5	0.0	*	*
Perinatal Period Conditions	12	2.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
All Other	10	1.8	3	0.0	4	0.1	29	0.2	134	0.8	633	9.4
Injury by Firearm	0	0.0	0	0.0	10	0.1	16	0.1	19	0.1	12	0.2
Drug-Induced Deaths	0	0.0	0	0.0	6	0.1	15	0.1	36	0.2	3	0.0
Alcohol-Induced Deaths	0	0.0	0	0.0	*	*	18	0.1	61	0.4	8	0.1
Work-Related Injury (Y/N Check Death Certificate)	0	0.0	0	0.0	0	0.0	3	0.0	3	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:  
Jefferson 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>	3,729	697.6	670.2	649.1	691.4
<b>Cardiovascular Disease</b>	976	182.6	176.6	165.5	187.7
<b>Heart Disease</b>	734	137.3	131.8	122.3	141.4
<b>Cerebrovascular Disease</b>	170	31.8	31.4	26.6	36.1
<b>Atherosclerosis</b>	28	5.2	5.1	3.2	7.0
<b>Malignant Neoplasms</b>	827	154.7	143.6	133.7	153.5
<b>Lung Cancer</b>	156	29.2	26.9	22.6	31.2
<b>Breast Cancer</b>	65	12.2	11.1	8.4	13.9
<b>Chronic Lower Respiratory Diseases</b>	275	51.4	50.8	44.7	56.8
<b>Unintentional Injuries</b>	205	38.4	36.5	31.4	41.6
<b>Motor Vehicle</b>	39	7.3	6.9	4.7	9.1
<b>Other Unintentional Injuries</b>	165	30.9	29.4	24.8	33.9
<b>Pneumonia and Influenza</b>	60	11.2	10.9	8.1	13.7
<b>Suicide</b>	115	21.5	20.3	16.5	24.1
<b>Diabetes Mellitus</b>	62	11.6	10.8	8.1	13.6
<b>HIV Infection</b>	6	1.1	1.0	0.3	2.1
<b>Chronic Liver Disease and Cirrhosis</b>	73	13.7	11.3	8.6	14.0
<b>Alzheimer's Disease</b>	170	31.8	32.1	27.3	36.9
<b>Nephritis, Nephrosis, Nephrotic Syndrome</b>	50	9.4	9.5	6.9	12.2
<b>Homicide and Legal Intervention</b>	5	0.9	0.9	0.3	1.8
<b>Septicemia</b>	61	11.4	11.2	8.4	14.1
<b>Congenital Anomalies</b>	19	3.6	3.9	2.1	5.6
<b>Perinatal Period Conditions</b>	12	2.2	2.9	1.2	4.5
<b>All Other</b>	813	152.1	148.1	137.9	158.3
<b>Injury by Firearm</b>	57	10.7	10.3	7.6	13.1
<b>Drug-Induced Deaths</b>	60	11.2	9.9	7.3	12.5
<b>Alcohol-Induced Deaths</b>	88	16.5	13.7	10.8	16.7
<b>Work-Related Injury (Y/N Check Death Certificate)</b>	7	1.3	1.2	0.4	2.5

*\* 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).