

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

# Adams County Births and Deaths 2007

<b>Selected birth characteristics: Adams County residents, 2007 .....</b>	<b>2</b>
<b>Selected birth characteristics by age group of mother: Adams County residents, 2007 .....</b>	<b>3</b>
<b>Selected birth characteristics by race/ethnicity of mother: Adams County residents, 2007 .....</b>	<b>4</b>
<b>Live births and fertility rates: Adams County residents, 2007 .....</b>	<b>5</b>
<b>Vital statistics summary: Adams County residents, 1997, 2003-2007 .....</b>	<b>6</b>
<b>Deaths from selected causes by race/ethnicity: Adams County residents, 2007 .....</b>	<b>8</b>
<b>Deaths and age-specific death rates: Adams County residents, 2007 .....</b>	<b>9</b>
<b>Deaths and age-specific death rates from selected causes: Adams County residents, 2007 .....</b>	<b>10</b>
<b>Deaths, crude death rates and age-adjusted death rates from selected causes:Adams County residents, 2007 .....</b>	<b>11</b>
<b>Notes Regarding Colorado's Revised Certificate of Live Birth.....</b>	<b>12</b>

## Selected birth characteristics: Adams County residents, 2007

Characteristic	Number	Percent
Total Live Births	7,808	100.0
Age of Mother		
10-17	326	4.2
18-19	615	7.9
20-29	4,341	55.6
30+	2,525	32.3
Low Weight Births (<2,500 Grams)	714	9.1
Very Low Weight Births (<1,500 Grams)	97	1.2
Prenatal Care Later than 1st Trimester/No Care	1,704	22.9
No Prenatal Care	152	2.0
Preterm Births (<37 Weeks)	768	9.9
Education of Mother <High School Diploma/GED	2,290	30.1
Live Births to Unmarried Women	2,251	28.9
Smoking During Pregnancy	612	7.9

*"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: Adams 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>	7,808	100.0	326	100.0	615	100.0	4,341	100.0	2,525	100.0
<b>Race/Ethnicity of Mother</b>										
White Non-Hispanic	3,397	44.6	66	20.7	167	27.6	1,865	44.1	1,298	52.8
White Hispanic	3,537	46.4	225	70.5	382	63.0	2,029	47.9	901	36.6
Black	218	2.9	15	4.7	30	5.0	113	2.7	60	2.4
Other	466	6.1	13	4.1	27	4.5	226	5.3	200	8.1
<b>Low Weight Births (&lt;2,500 Grams)</b>	714	9.1	37	11.3	61	9.9	360	8.3	256	10.1
Very Low Weight Births (<1,500 Grams)	97	1.2	4	1.2	5	0.8	45	1.0	43	1.7
<b>Prenatal Care Later than 1st Trimester/No Care</b>	1,704	22.9	129	41.2	200	34.5	928	22.4	447	18.7
No Prenatal Care	152	2.0	8	2.6	15	2.6	83	2.0	46	1.9
<b>Preterm Births (&lt;37 Weeks)</b>	768	9.9	26	8.0	58	9.4	395	9.1	289	11.5
<b>Education of Mother &lt;High School Diploma/GED</b>	2,290	30.1	289	90.3	308	50.8	1,148	27.2	545	22.2
<b>Live Births to Unmarried Women</b>	2,251	28.8	261	80.1	398	64.7	1,235	28.4	357	14.1
<b>Smoking During Pregnancy</b>	612	7.9	27	8.3	65	10.6	390	9.0	130	5.2

*"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: Adams 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>	3,397	100.0	3,537	100.0	218	100.0	323	100.0	54	100.0
<b>Age of Mother</b>										
<b>10-17</b>	66	1.9	225	6.4	15	6.9	8	2.5	*	*
<b>18-19</b>	167	4.9	382	10.8	30	13.8	6	1.9	4	7.4
<b>20-29</b>	1,865	54.9	2,029	57.4	113	51.8	152	47.1	27	50.0
<b>30+</b>	1,298	38.2	901	25.5	60	27.5	157	48.6	22	40.7
<b>Low Weight Births (&lt;2,500 Grams)</b>	331	9.7	299	8.5	30	13.8	30	9.3	6	11.1
<b>Very Low Weight Births (&lt;1,500 Grams)</b>	40	1.2	44	1.2	5	2.3	*	*	*	*
<b>Prenatal Care Later than 1st Trimester/No Care</b>	530	16.1	935	28.1	69	33.0	80	25.5	21	41.2
<b>No Prenatal Care</b>	36	1.1	91	2.7	11	5.3	*	*	6	11.8
<b>Preterm Births (&lt;37 Weeks)</b>	349	10.3	332	9.4	25	11.5	32	9.9	10	18.5
<b>Education of Mother &lt;High School Diploma/GED</b>	356	10.6	1,718	50.2	61	29.3	37	11.8	15	28.3
<b>Live Births to Unmarried Women</b>	730	21.5	1,251	35.4	115	52.8	38	11.8	20	37.0
<b>Smoking During Pregnancy</b>	430	12.7	124	3.5	26	12.0	7	2.2	9	16.7

***"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: Adams 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>	7,808	93,872	83.2	81.4	84.9
<b>Teen Age Groups</b>					
<b>13-14</b>	13	6,256	2.1	0.9	3.3
<b>15-17</b>	313	9,264	33.8	30.1	37.5
<b>18-19</b>	615	6,015	102.3	94.5	110.0
<b>10-17</b>	326	24,790	13.2	11.7	14.6
<b>10-19</b>	941	30,805	30.5	28.6	32.5
<b>All Age Groups</b>					
<b>10-14</b>	13	15,527	0.8	0.4	1.3
<b>15-19</b>	928	15,278	60.7	56.9	64.6
<b>20-24</b>	2,053	15,040	136.5	131.0	142.0
<b>25-29</b>	2,288	14,820	154.4	148.5	160.2
<b>30-34</b>	1,601	16,040	99.8	95.1	104.5
<b>35-39</b>	777	16,798	46.3	43.1	49.5
<b>40-49</b>	141	31,390	4.5	3.7	5.2

*\* 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: Adams County residents, 1997, 2003-2007

	1997	2003	2004	2005	2006	2007	2003-2007 Annual Average
<b>Total Population</b>	332,750	381,739	390,794	402,110	415,010	425,379	403,006
<b>Total Births</b>							
Number	5,527	7,369	7,483	7,689	7,828	7,808	7,635
Birth Rate	16.6	19.3	19.1	19.1	18.9	18.4	18.9
General Fertility Rate	70.2	85.2	85.3	85.8	85.0	83.2	84.9
<b>Age of Mother 10-17</b>							
Number	300	340	351	396	373	326	357
Percent of Total Births	5.4	4.6	4.7	5.2	4.8	4.2	4.7
Fertility Rate	15.6	15.1	15.3	16.7	15.3	13.2	15.1
<b>Low Weight Births (&lt;2,500 Grams)</b>							
Number	487	629	682	691	705	714	684
Percent	8.8	8.5	9.1	9.0	9.0	9.1	9.0
<b>Prenatal Care Later Than 1st Trimester/No Care</b>							
Number	1,032	1,716	1,576	1,449	1,518	1,704	1,593
Percent	18.8	23.7	21.4	19.1	19.8	22.9	21.4
<b>Births to Unmarried Women</b>							
Number	1,571	2,388	2,442	2,421	2,403	2,251	
Percent	28.4	32.4	32.6	31.5	30.7	28.8	
<b>Mother's Education &lt;12 Years</b>							
Number	1,335	2,365	2,346	2,365	2,260	2,290	
Percent	24.5	32.5	32.0	31.8	30.3	29.3	
<b>Infant Deaths</b>							
Number	35	48	55	62	45	51	52
Rate	6.3	6.5	7.3	8.1	5.7	6.5	6.8
<b>Neonatal Deaths</b>							
Number	25	37	42	50	38	35	40
Rate	4.5	5.0	5.6	6.5	4.9	4.5	5.3
<b>Total Deaths</b>							
Number	1,937	2,284	2,214	2,321	2,249	2,336	2,281
Crude Rate	582.1	598.3	566.5	577.2	541.9	549.2	565.9
Age-Adjusted Rate	923.9	960.2	914.4	941.1	915.8	912.4	928.2
<b>Cardiovascular Disease</b>							
Number	590	680	664	620	596	590	630
Age-Adjusted Rate	305.3	321.3	301.1	284.6	271.2	253.0	285.6
<b>Heart Disease</b>							
Number	491	506	475	445	440	436	460
Age-Adjusted Rate	254.1	235.8	210.1	203.3	196.5	184.4	205.6

(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: Adams County residents, 1997, 2003-2007

	1997	2003	2004	2005	2006	2007	2003-2007 Annual Average
<b>Cerebrovascular Disease</b>							
Number	94	104	107	98	93	81	97
Age-Adjusted Rate	48.6	50.2	50.2	42.6	42.9	34.4	43.9
<b>Malignant Neoplasms</b>							
Number	456	478	472	516	515	537	504
Age-Adjusted Rate	205.0	192.2	185.6	200.1	201.1	202.3	196.2
<b>Lung Cancer</b>							
Number	109	129	135	129	123	139	131
Age-Adjusted Rate	49.2	53.7	52.8	50.9	49.2	53.0	51.8
<b>Breast Cancer</b>							
Number	41	29	29	38	27	36	32
Age-Adjusted Rate	17.1	10.8	10.8	14.2	8.8	12.5	11.4
<b>Total Unintentional Injuries</b>							
Number	108	143	154	179	181	167	165
Age-Adjusted Rate	36.6	41.4	50.6	56.5	53.9	51.2	50.8
<b>Motor Vehicle</b>							
Number	50	63	57	65	48	40	55
Age-Adjusted Rate	15.3	16.2	15.2	16.6	12.5	10.2	14.1
<b>Other Unintentional Injuries</b>							
Number	58	80	97	114	133	127	110
Age-Adjusted Rate	21.3	25.2	35.3	39.9	41.5	41.1	36.7
<b>Chronic Lower Respiratory Diseases</b>							
Number	131	171	160	173	158	173	167
Age-Adjusted Rate	66.0	76.0	71.9	77.9	68.4	72.3	73.3
<b>Suicide</b>							
Number	53	60	75	78	60	71	69
Age-Adjusted Rate	17.5	17.2	20.1	20.0	15.2	18.3	18.2
<b>Homicide and Legal Intervention</b>							
Number	21	29	24	29	18	14	23
Age-Adjusted Rate	5.9	7.4	5.7	6.8	4.0	3.0	5.3
<b>Work-Related Injury</b>							
Number	8	11	6	11	12	10	10
Age-Adjusted Rate	2.3	3.2	1.5	2.7	3.0	2.4	2.6

**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: Adams 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>	2,336	100.0	1,832	100.0	384	100.0	55	100.0	48	100.0	17	100.0
<b>Cardiovascular Disease</b>	590	25.3	466	25.4	100	26.0	9	16.4	11	22.9	4	23.5
Heart Disease	436	18.7	354	19.3	67	17.4	7	12.7	5	10.4	3	17.6
Cerebrovascular Disease	81	3.5	58	3.2	19	4.9	0	0.0	4	8.3	0	0.0
Atherosclerosis	31	1.3	24	1.3	7	1.8	0	0.0	0	0.0	0	0.0
<b>Malignant Neoplasms</b>	537	23.0	445	24.3	66	17.2	11	20.0	12	25.0	3	17.6
Lung Cancer	139	6.0	123	6.7	11	2.9	*	*	*	*	*	*
Breast Cancer	36	1.5	31	1.7	4	1.0	*	*	0	0.0	0	0.0
<b>Chronic Lower Respiratory Disease</b>	173	7.4	157	8.6	15	3.9	0	0.0	0	0.0	*	*
<b>Unintentional Injuries</b>	167	7.1	123	6.7	37	9.6	6	10.9	0	0.0	*	*
Motor Vehicle	40	1.7	29	1.6	10	2.6	*	*	0	0.0	0	0.0
Other Unintentional Injuries	127	5.4	94	5.1	27	7.0	5	9.1	0	0.0	*	*
<b>Pneumonia and Influenza</b>	42	1.8	30	1.6	9	2.3	*	*	*	*	0	0.0
<b>Suicide</b>	71	3.0	58	3.2	9	2.3	*	*	*	*	0	0.0
<b>Diabetes Mellitus</b>	77	3.3	49	2.7	21	5.5	4	7.3	*	*	*	*
<b>HIV Infection</b>	7	0.3	4	0.2	*	*	*	*	0	0.0	0	0.0
<b>Chronic Liver Disease and Cirrhosis</b>	50	2.1	33	1.8	15	3.9	*	*	*	*	0	0.0
<b>Alzheimer's Disease</b>	66	2.8	56	3.1	8	2.1	0	0.0	*	*	0	0.0
<b>Nephritis, Nephrosis, Nephrotic Syndrome</b>	33	1.4	26	1.4	6	1.6	0	0.0	0	0.0	*	*
<b>Homicide and Legal Intervention</b>	14	0.6	5	0.3	8	2.1	0	0.0	*	*	0	0.0
<b>Septicemia</b>	18	0.8	12	0.7	*	*	*	*	*	*	*	*
<b>Congenital Anomalies</b>	17	0.7	7	0.4	9	2.3	*	*	0	0.0	0	0.0
<b>Perinatal Period Conditions</b>	28	1.2	13	0.7	13	3.4	*	*	0	0.0	0	0.0
<b>All Other</b>	446	19.1	348	19.0	65	16.9	14	25.5	15	31.3	4	23.5
Injury by Firearm	33	1.4	25	1.4	5	1.3	0	0.0	3	6.3	0	0.0
Drug-Induced Deaths	75	3.2	60	3.3	11	2.9	3	5.5	0	0.0	*	*
Alcohol-Induced Deaths	38	1.6	27	1.5	11	2.9	0	0.0	0	0.0	0	0.0
Work-Related Injury (Y/N Check Death Certificate)	10	0.4	6	0.3	4	1.0	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: Adams County residents, 2007

Age Group	Deaths	Population	Age-Specific Death Rate
	Age Group	Age Group	Age Group
All Ages	2,336	425,379	5.5
Infant	51	7,808	6.5
Neonatal	35	7,808	4.5
1-4	4	29,690	0.1
5-9	4	35,548	0.1
10-14	3	31,651	0.1
15-19	10	30,985	0.3
20-24	19	31,133	0.6
25-29	25	31,227	0.8
30-34	26	33,528	0.8
35-39	37	35,115	1.1
40-44	70	32,943	2.1
45-49	124	31,994	3.9
50-54	122	26,442	4.6
55-59	145	22,180	6.5
60-64	166	15,560	10.7
65-69	181	9,904	18.3
70-74	250	8,167	30.6
75-79	264	5,994	44.0
80-84	302	3,396	88.9
85+	533	2,745	194.2
1-14	11	96,888	0.1
15-24	29	62,117	0.5
25-64	715	228,989	3.1
65+	1,530	30,206	50.7

\* 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: Adams 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	51	6.5	11	0.1	29	0.5	158	1.2	557	5.8	1,530	50.7
Cardiovascular Disease	*	*	*	*	*	*	20	0.2	105	1.1	461	15.3
Heart Disease	0	0.0	*	*	0	0.0	15	0.1	89	0.9	330	10.9
Cerebrovascular Disease	*	*	0	0.0	*	*	3	0.0	12	0.1	64	2.1
Atherosclerosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	31	1.0
Malignant Neoplasms	0	0.0	0	0.0	0	0.0	25	0.2	162	1.7	350	11.6
Lung Cancer	0	0.0	0	0.0	0	0.0	*	*	40	0.4	98	3.2
Breast Cancer	0	0.0	0	0.0	0	0.0	*	*	14	0.1	21	0.7
Chronic Lower Respiratory Diseases	0	0.0	0	0.0	0	0.0	*	*	33	0.3	139	4.6
Unintentional Injuries	3	0.4	3	0.0	13	0.2	44	0.3	55	0.6	49	1.6
Motor Vehicle	0	0.0	3	0.0	6	0.1	11	0.1	16	0.2	4	0.1
Other Unintentional Injuries	3	0.4	0	0.0	7	0.1	33	0.2	39	0.4	45	1.5
Pneumonia and Influenza	0	0.0	0	0.0	0	0.0	3	0.0	7	0.1	32	1.1
Suicide	0	0.0	*	*	7	0.1	24	0.2	29	0.3	10	0.3
Diabetes Mellitus	0	0.0	0	0.0	0	0.0	0	0.0	21	0.2	56	1.9
HIV Infection	0	0.0	0	0.0	0	0.0	*	*	5	0.1	0	0.0
Chronic Liver Disease and Cirrhosis	0	0.0	0	0.0	0	0.0	11	0.1	26	0.3	13	0.4
Alzheimer's Disease	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	66	2.2
Nephritis, Nephrosis, Nephrotic Syndrome	0	0.0	0	0.0	0	0.0	0	0.0	4	0.0	29	1.0
Homicide and Legal Intervention	*	*	*	*	5	0.1	4	0.0	*	*	0	0.0
Septicemia	0	0.0	0	0.0	0	0.0	*	*	7	0.1	10	0.3
Congenital Anomalies	10	1.3	*	*	*	*	*	*	*	*	*	*
Perinatal Period Conditions	28	3.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
All Other	8	1.0	*	*	*	*	21	0.2	99	1.0	314	10.4
Injury by Firearm	0	0.0	0	0.0	5	0.1	12	0.1	12	0.1	4	0.1
Drug-Induced Deaths	0	0.0	0	0.0	3	0.0	31	0.2	37	0.4	4	0.1
Alcohol-Induced Deaths	0	0.0	0	0.0	*	*	10	0.1	24	0.2	3	0.1
Work-Related Injury (Y/N Check Death Certificate)	0	0.0	0	0.0	*	*	5	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:  
Adams County residents, 2007**

<b>Cause of Death</b>	<b>N</b>	<b>Rate</b>	<b>Age-Adjusted Rate</b>	<b>Lower Limit</b>	<b>Upper Limit</b>
All Causes	2,336	549.2	912.4	875.4	949.3
Cardiovascular Disease	590	138.7	253.0	232.2	273.9
Heart Disease	436	102.5	184.4	166.5	202.2
Cerebrovascular Disease	81	19.0	34.4	26.6	42.1
Atherosclerosis	31	7.3	16.1	10.4	21.8
Malignant Neoplasms	537	126.2	202.3	184.4	220.2
Lung Cancer	139	32.7	53.0	43.8	62.1
Breast Cancer	36	8.5	12.5	8.2	16.8
Chronic Lower Respiratory Diseases	173	40.7	72.3	61.2	83.5
Unintentional Injuries	167	39.3	51.2	42.8	59.6
Motor Vehicle	40	9.4	10.2	6.8	13.5
Other Unintentional Injuries	125	29.4	40.5	32.8	48.2
Pneumonia and Influenza	42	9.9	18.2	12.5	23.9
Suicide	71	16.7	18.3	13.9	22.8
Diabetes Mellitus	77	18.1	29.7	22.8	36.6
HIV Infection	7	1.6	1.6	0.6	3.1
Chronic Liver Disease and Cirrhosis	50	11.8	14.0	10.0	18.1
Alzheimer's Disease	66	15.5	34.8	26.4	43.2
Nephritis, Nephrosis, Nephrotic Syndrome	33	7.8	14.7	9.5	19.9
Homicide and Legal Intervention	14	3.3	3.0	1.4	4.6
Septicemia	18	4.2	5.8	3.0	8.6
Congenital Anomalies	17	4.0	3.6	1.9	5.4
Perinatal Period Conditions	28	6.6	5.4	3.4	7.4
All Other	446	104.8	184.2	166.5	201.9
Injury by Firearm	33	7.8	8.5	5.4	11.5
Drug-Induced Deaths	75	17.6	18.1	13.9	22.3
Alcohol-Induced Deaths	38	8.9	9.4	6.4	12.5
Work-Related Injury (Y/N Check Death Certificate)	10	2.4	2.4	1.0	4.4

*\* 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).