

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

## Colorado Births and Deaths 2007

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## Selected birth characteristics: Colorado residents, 2007

Characteristic	Number	Percent
<b>Total Live Births</b>	70,804	100.0
<b>Age of Mother</b>		
10-17	2,297	3.2
18-19	4,457	6.3
20-29	35,907	50.7
30+	28,138	39.7
<b>Low Weight Births (&lt;2,500 Grams)</b>	6,397	9.0
<b>Very Low Weight Births (&lt;1,500 Grams)</b>	930	1.3
<b>Prenatal Care Later than 1st Trimester/No Care</b>	15,129	21.9
<b>No Prenatal Care</b>	1,077	1.6
<b>Preterm Births (&lt;37 Weeks)</b>	6,909	9.8
<b>Education of Mother &lt;High School Diploma/GED</b>	14,804	21.2
<b>Live Births to Unmarried Women</b>	18,062	25.6
<b>Smoking During Pregnancy</b>	6,211	8.8

*"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: Colorado 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>	70,804	100.0	2,297	100.0	4,457	100.0	35,907	100.0	28,138	100.0
<b>Race/Ethnicity of Mother</b>										
White Non-Hispanic	41,711	60.0	602	27.1	1,678	38.4	19,969	56.6	19,458	70.2
White Hispanic	20,509	29.5	1,367	61.5	2,113	48.4	11,541	32.7	5,488	19.8
Black	3,368	4.8	144	6.5	356	8.2	1,884	5.3	984	3.6
Other	3,979	5.7	111	5.0	219	5.0	1,861	5.3	1,788	6.5
<b>Low Weight Births (&lt;2,500 Grams)</b>	6,397	9.0	252	11.0	468	10.5	3,044	8.5	2,632	9.4
Very Low Weight Births (<1,500 Grams)	930	1.3	45	2.0	57	1.3	447	1.2	380	1.4
<b>Prenatal Care Later than 1st Trimester/No Care</b>	15,129	21.9	985	44.1	1,579	36.3	8,394	24.0	4,171	15.2
No Prenatal Care	1,077	1.6	73	3.3	103	2.4	572	1.6	329	1.2
<b>Preterm Births (&lt;37 Weeks)</b>	6,909	9.8	222	9.7	467	10.5	3,287	9.2	2,932	10.4
<b>Education of Mother &lt;High School Diploma/GED</b>	14,804	21.2	2,059	90.9	2,029	46.0	7,536	21.3	3,180	11.5
<b>Live Births to Unmarried Women</b>	18,062	25.5	1,965	85.5	2,890	64.8	10,253	28.6	2,953	10.5
<b>Smoking During Pregnancy</b>	6,211	8.8	221	9.7	670	15.1	3,948	11.0	1,372	4.9

**"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 race/ethnicity of mother: Colorado 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>	41,711	100.0	20,509	100.0	3,368	100.0	2,457	100.0	720	100.0
<b>Age of Mother</b>										
<b>10-17</b>	602	1.4	1,367	6.7	144	4.3	28	1.1	41	5.7
<b>18-19</b>	1,678	4.0	2,113	10.3	356	10.6	48	2.0	81	11.3
<b>20-29</b>	19,969	47.9	11,541	56.3	1,884	55.9	1,010	41.1	416	57.8
<b>30+</b>	19,458	46.6	5,488	26.8	984	29.2	1,371	55.8	182	25.3
<b>Low Weight Births (&lt;2,500 Grams)</b>	3,646	8.7	1,713	8.4	504	15.0	264	10.7	65	9.0
<b>Very Low Weight Births (&lt;1,500 Grams)</b>	485	1.2	281	1.4	99	2.9	25	1.0	14	1.9
<b>Prenatal Care Later than 1st Trimester/No Care</b>	6,532	16.0	6,305	31.7	973	30.0	507	21.3	258	37.4
<b>No Prenatal Care</b>	368	0.9	499	2.5	110	3.4	29	1.2	33	4.8
<b>Preterm Births (&lt;37 Weeks)</b>	4,061	9.7	1,867	9.1	463	13.8	246	10.0	74	10.3
<b>Education of Mother &lt;High School Diploma/GED</b>	3,116	7.5	9,940	49.4	665	20.2	232	9.6	226	31.9
<b>Live Births to Unmarried Women</b>	7,294	17.5	7,792	38.0	1,681	49.9	308	12.5	331	46.0
<b>Smoking During Pregnancy</b>	4,473	10.7	1,068	5.2	355	10.6	81	3.3	109	15.2

***"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 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: Colorado 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>	70,804	1,028,158	68.9	68.4	69.4
<b>Teen Age Groups</b>					
<b>13-14</b>	96	64,180	1.5	1.2	1.8
<b>15-17</b>	2,200	99,489	22.1	21.2	23.0
<b>18-19</b>	4,457	74,723	59.6	57.9	61.4
<b>10-17</b>	2,297	258,012	8.9	8.5	9.3
<b>10-19</b>	6,754	332,735	20.3	19.8	20.8
<b>All Age Groups</b>					
<b>10-14</b>	97	158,522	0.6	0.5	0.7
<b>15-19</b>	6,657	174,212	38.2	37.3	39.1
<b>20-24</b>	16,252	179,526	90.5	89.2	91.9
<b>25-29</b>	19,655	147,557	133.2	131.5	134.9
<b>30-34</b>	16,783	167,260	100.3	98.9	101.8
<b>35-39</b>	9,303	180,006	51.7	50.7	52.7
<b>40-49</b>	2,030	373,198	5.4	5.2	5.7

*\* 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: Colorado residents, 1997, 2003-2007

	1997	2003	2004	2005	2006	2007	2003-2007 Annual Average
<b>Total Population</b>	3,995,955	4,583,746	4,650,562	4,717,761	4,811,824	4,909,524	4,734,683
<b>Total Births</b>							
Number	56,505	69,304	68,475	68,922	70,737	70,804	69,648
Birth Rate	14.1	15.1	14.7	14.6	14.7	14.4	14.7
General Fertility Rate	61.1	69.1	68.2	68.5	69.7	68.9	68.9
<b>Age of Mother 10-17</b>							
Number	2,619	2,418	2,457	2,377	2,424	2,297	2,395
Percent of Total Births	4.6	3.5	3.6	3.4	3.4	3.2	3.4
Fertility Rate	12.0	9.6	9.7	9.4	9.5	8.9	9.4
<b>Low Weight Births (&lt;2,500 Grams)</b>							
Number	5,014	6,272	6,172	6,379	6,379	6,397	6,320
Percent	8.9	9.0	9.0	9.3	9.0	9.0	9.1
<b>Prenatal Care Later Than 1st Trimester/No Care</b>							
Number	9,594	14,138	13,296	13,492	14,076	15,129	14,026
Percent	17.1	20.7	19.8	19.9	20.3	21.9	20.5
<b>Births to Unmarried Women</b>							
Number	14,252	18,505	18,823	18,648	19,547	18,062	
Percent	25.2	26.7	27.5	27.1	27.6	25.5	
<b>Mother's Education &lt;12 Years</b>							
Number	10,570	15,389	15,469	14,967	14,702	14,804	
Percent	18.9	22.4	22.8	22.1	21.4	20.9	
<b>Infant Deaths</b>							
Number	397	419	432	444	404	433	426
Rate	7.0	6.0	6.3	6.4	5.7	6.1	6.1
<b>Neonatal Deaths</b>							
Number	265	304	304	329	309	296	308
Rate	4.7	4.4	4.4	4.8	4.4	4.2	4.4
<b>Total Deaths</b>							
Number	25,606	29,410	28,227	29,521	29,413	29,888	29,292
Crude Rate	640.8	641.6	607.0	625.7	611.3	608.8	618.7
Age-Adjusted Rate	807.9	796.1	743.3	763.3	743.1	736.5	755.8
<b>Cardiovascular Disease</b>							
Number	8,344	9,228	8,652	8,845	8,482	8,411	8,724
Age-Adjusted Rate	274.1	261.4	238.3	239.1	223.3	215.9	235.1
<b>Heart Disease</b>							
Number	6,519	6,483	6,047	6,282	6,099	6,073	6,197

(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: Colorado residents, 1997, 2003-2007

	1997	2003	2004	2005	2006	2007	2003-2007 Annual Average
<b>Age-Adjusted Rate</b>	213.2	182.0	165.1	168.5	159.1	154.4	165.5
<b>Cerebrovascular Disease</b>							
<b>Number</b>	1,704	1,806	1,633	1,595	1,525	1,589	1,630
<b>Age-Adjusted Rate</b>	56.8	52.1	45.5	43.8	40.9	41.7	44.7
<b>Malignant Neoplasms</b>							
<b>Number</b>	5,638	6,400	6,185	6,367	6,523	6,590	6,413
<b>Age-Adjusted Rate</b>	175.1	169.7	159.6	160.5	160.2	157.9	161.4
<b>Lung Cancer</b>							
<b>Number</b>	1,322	1,541	1,499	1,523	1,551	1,579	1,539
<b>Age-Adjusted Rate</b>	41.1	41.4	39.1	38.8	38.4	38.2	39.1
<b>Breast Cancer</b>							
<b>Number</b>	462	509	511	524	493	456	499
<b>Age-Adjusted Rate</b>	13.9	12.9	12.5	12.6	11.5	10.5	12.0
<b>Total Unintentional Injuries</b>							
<b>Number</b>	1,420	1,783	1,791	1,928	1,888	2,029	1,884
<b>Age-Adjusted Rate</b>	38.5	41.8	41.6	43.6	42.2	44.7	42.8
<b>Motor Vehicle</b>							
<b>Number</b>	637	691	691	662	570	577	638
<b>Age-Adjusted Rate</b>	16.3	15.2	14.9	13.9	11.7	11.8	13.5
<b>Other Unintentional Injuries</b>							
<b>Number</b>	783	1,092	1,100	1,266	1,318	1,452	1,246
<b>Age-Adjusted Rate</b>	22.2	26.6	26.6	29.8	30.4	32.9	29.3
<b>Chronic Lower Respiratory Diseases</b>							
<b>Number</b>	1,658	1,925	1,899	1,908	1,930	1,997	1,932
<b>Age-Adjusted Rate</b>	54.1	54.3	52.3	51.7	51.0	51.4	52.1
<b>Suicide</b>							
<b>Number</b>	627	718	792	795	724	805	767
<b>Age-Adjusted Rate</b>	15.8	15.7	16.9	16.9	14.9	16.3	16.1
<b>Homicide and Legal Intervention</b>							
<b>Number</b>	192	202	231	190	188	176	197
<b>Age-Adjusted Rate</b>	4.7	4.3	4.8	3.9	3.8	3.5	4.1
<b>Work-Related Injury</b>							
<b>Number</b>	92	81	82	93	100	91	89
<b>Age-Adjusted Rate</b>	2.3	1.7	1.7	1.9	2.0	1.8	1.8

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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: Colorado 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>	29,888	100.0	25,173	100.0	3,121	100.0	1,042	100.0	328	100.0	201	100.0
<b>Cardiovascular Disease</b>	8,411	28.1	7,249	28.8	743	23.8	284	27.3	96	29.3	37	18.4
Heart Disease	6,073	20.3	5,282	21.0	518	16.6	193	18.5	48	14.6	30	14.9
Cerebrovascular Disease	1,589	5.3	1,332	5.3	155	5.0	61	5.9	37	11.3	4	2.0
Atherosclerosis	242	0.8	208	0.8	25	0.8	5	0.5	*	*	*	*
<b>Malignant Neoplasms</b>	6,590	22.0	5,672	22.5	568	18.2	243	23.3	72	22.0	29	14.4
Lung Cancer	1,579	5.3	1,399	5.6	99	3.2	53	5.1	17	5.2	10	5.0
Breast Cancer	456	1.5	402	1.6	34	1.1	16	1.5	*	*	*	*
<b>Chronic Lower Respiratory Disease</b>	1,997	6.7	1,830	7.3	109	3.5	33	3.2	10	3.0	14	7.0
<b>Unintentional Injuries</b>	2,029	6.8	1,615	6.4	293	9.4	83	8.0	16	4.9	21	10.4
Motor Vehicle	577	1.9	436	1.7	109	3.5	22	2.1	5	1.5	4	2.0
Other Unintentional Injuries	1,452	4.9	1,179	4.7	184	5.9	61	5.9	11	3.4	17	8.5
<b>Pneumonia and Influenza</b>	589	2.0	509	2.0	52	1.7	18	1.7	6	1.8	3	1.5
<b>Suicide</b>	805	2.7	671	2.7	88	2.8	21	2.0	15	4.6	10	5.0
<b>Diabetes Mellitus</b>	705	2.4	507	2.0	144	4.6	34	3.3	9	2.7	10	5.0
<b>HIV Infection</b>	81	0.3	46	0.2	17	0.5	12	1.2	3	0.9	3	1.5
<b>Chronic Liver Disease and Cirrhosis</b>	538	1.8	368	1.5	147	4.7	9	0.9	4	1.2	10	5.0
<b>Alzheimer's Disease</b>	1,108	3.7	1,010	4.0	64	2.1	25	2.4	5	1.5	4	2.0
<b>Nephritis, Nephrosis, Nephrotic Syndrome</b>	443	1.5	355	1.4	60	1.9	17	1.6	6	1.8	5	2.5
<b>Homicide and Legal Intervention</b>	176	0.6	68	0.3	69	2.2	25	2.4	5	1.5	9	4.5
<b>Septicemia</b>	298	1.0	250	1.0	29	0.9	12	1.2	5	1.5	*	*
<b>Congenital Anomalies</b>	179	0.6	113	0.4	54	1.7	7	0.7	4	1.2	*	*
<b>Perinatal Period Conditions</b>	209	0.7	94	0.4	81	2.6	26	2.5	4	1.2	4	2.0
<b>All Other</b>	5,730	19.2	4,816	19.1	603	19.3	193	18.5	68	20.7	39	19.4
<b>Injury by Firearm</b>	501	1.7	379	1.5	78	2.5	28	2.7	8	2.4	8	4.0
<b>Drug-Induced Deaths</b>	740	2.5	596	2.4	87	2.8	46	4.4	*	*	9	4.5
<b>Alcohol-Induced Deaths</b>	598	2.0	444	1.8	125	4.0	11	1.1	3	0.9	14	7.0
<b>Work-Related Injury (Y/N Check Death Certificate)</b>	91	0.3	66	0.3	23	0.7	*	*	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: Colorado residents, 2007

Age Group	Deaths	Population	Age-Specific Death Rate
	Age Group	Age Group	Age Group
All Ages	29,888	4,909,524	6.1
Infant	433	70,804	6.1
Neonatal	296	70,804	4.2
1-4	59	284,888	0.2
5-9	48	339,276	0.1
10-14	39	325,383	0.1
15-19	186	358,249	0.5
20-24	261	377,789	0.7
25-29	329	307,542	1.1
30-34	288	349,321	0.8
35-39	455	376,717	1.2
40-44	695	366,969	1.9
45-49	1,060	389,861	2.7
50-54	1,512	359,256	4.2
55-59	1,715	308,591	5.6
60-64	1,849	215,675	8.6
65-69	2,005	140,971	14.2
70-74	2,475	121,521	20.4
75-79	3,437	98,807	34.8
80-84	4,207	63,652	66.1
85+	8,835	54,954	160.8
1-14	146	949,547	0.2
15-24	447	736,038	0.6
25-64	7,903	2,673,932	3.0
65+	20,959	479,905	43.7

\* 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: Colorado 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	433	6.1	146	0.2	447	0.6	1,767	1.3	6,136	4.8	20,959	43.7
Cardiovascular Disease	12	0.2	10	0.0	15	0.0	206	0.1	1,328	1.0	6,840	14.3
Heart Disease	6	0.1	8	0.0	12	0.0	166	0.1	1,084	0.9	4,797	10.0
Cerebrovascular Disease	5	0.1	*	*	3	0.0	30	0.0	175	0.1	1,374	2.9
Atherosclerosis	0	0.0	0	0.0	0	0.0	*	*	5	0.0	236	0.5
Malignant Neoplasms	0	0.0	20	0.0	23	0.0	226	0.2	1,823	1.4	4,498	9.4
Lung Cancer	0	0.0	0	0.0	*	*	16	0.0	402	0.3	1,160	2.4
Breast Cancer	0	0.0	0	0.0	0	0.0	28	0.0	168	0.1	260	0.5
Chronic Lower Respiratory Diseases	*	*	*	*	0	0.0	12	0.0	277	0.2	1,706	3.6
Unintentional Injuries	8	0.1	47	0.0	214	0.3	514	0.4	563	0.4	683	1.4
Motor Vehicle	*	*	27	0.0	134	0.2	170	0.1	157	0.1	88	0.2
Other Unintentional Injuries	7	0.1	20	0.0	80	0.1	344	0.2	406	0.3	595	1.2
Pneumonia and Influenza	3	0.0	4	0.0	*	*	14	0.0	65	0.1	501	1.0
Suicide	0	0.0	6	0.0	87	0.1	299	0.2	315	0.2	98	0.2
Diabetes Mellitus	0	0.0	0	0.0	5	0.0	21	0.0	166	0.1	513	1.1
HIV Infection	0	0.0	0	0.0	*	*	29	0.0	48	0.0	3	0.0
Chronic Liver Disease and Cirrhosis	0	0.0	*	*	0	0.0	67	0.0	331	0.3	139	0.3
Alzheimer's Disease	0	0.0	0	0.0	0	0.0	0	0.0	9	0.0	1,099	2.3
Nephritis, Nephrosis, Nephrotic Syndrome	0	0.0	*	*	0	0.0	5	0.0	50	0.0	387	0.8
Homicide and Legal Intervention	8	0.1	14	0.0	42	0.1	69	0.0	35	0.0	8	0.0
Septicemia	0	0.0	4	0.0	*	*	10	0.0	58	0.0	224	0.5
Congenital Anomalies	93	1.3	8	0.0	9	0.0	14	0.0	26	0.0	29	0.1
Perinatal Period Conditions	208	2.9	0	0.0	0	0.0	*	*	0	0.0	0	0.0
All Other	100	1.4	30	0.0	47	0.1	280	0.2	1,042	0.8	4,231	8.8
Injury by Firearm	0	0.0	6	0.0	72	0.1	174	0.1	173	0.1	76	0.2
Drug-Induced Deaths	0	0.0	4	0.0	54	0.1	322	0.2	337	0.3	23	0.0
Alcohol-Induced Deaths	0	0.0	0	0.0	4	0.0	99	0.1	414	0.3	81	0.2
Work-Related Injury (Y/N Check Death Certificate)	0	0.0	0	0.0	12	0.0	32	0.0	40	0.0	7	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:  
Colorado 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>
<b>All Causes</b>	29,888	608.8	736.5	728.4	744.7
<b>Cardiovascular Disease</b>	8,411	171.3	215.9	211.3	220.5
<b>Heart Disease</b>	6,073	123.7	154.4	150.5	158.3
<b>Cerebrovascular Disease</b>	1,589	32.4	41.7	39.6	43.7
<b>Atherosclerosis</b>	242	4.9	6.7	5.8	7.5
<b>Malignant Neoplasms</b>	6,590	134.2	157.9	154.1	161.8
<b>Lung Cancer</b>	1,579	32.2	38.2	36.3	40.2
<b>Breast Cancer</b>	456	9.3	10.5	9.5	11.5
<b>Chronic Lower Respiratory Diseases</b>	1,997	40.7	51.4	49.1	53.7
<b>Unintentional Injuries</b>	2,029	41.3	44.7	42.7	46.7
<b>Motor Vehicle</b>	577	11.8	11.8	10.9	12.8
<b>Other Unintentional Injuries</b>	1,435	29.2	32.5	30.8	34.3
<b>Pneumonia and Influenza</b>	589	12.0	15.5	14.3	16.8
<b>Suicide</b>	805	16.4	16.3	15.1	17.4
<b>Diabetes Mellitus</b>	705	14.4	17.3	16.0	18.6
<b>HIV Infection</b>	81	1.6	1.6	1.2	1.9
<b>Chronic Liver Disease and Cirrhosis</b>	538	11.0	10.9	10.0	11.8
<b>Alzheimer's Disease</b>	1,108	22.6	30.8	29.0	32.6
<b>Nephritis, Nephrosis, Nephrotic Syndrome</b>	443	9.0	11.6	10.5	12.7
<b>Homicide and Legal Intervention</b>	176	3.6	3.5	3.0	4.0
<b>Septicemia</b>	298	6.1	7.4	6.6	8.3
<b>Congenital Anomalies</b>	179	3.6	3.7	3.1	4.2
<b>Perinatal Period Conditions</b>	209	4.3	4.1	3.6	4.7
<b>All Other</b>	5,730	116.7	143.9	140.1	147.6
<b>Injury by Firearm</b>	501	10.2	10.2	9.3	11.1
<b>Drug-Induced Deaths</b>	740	15.1	14.5	13.5	15.6
<b>Alcohol-Induced Deaths</b>	598	12.2	11.5	10.6	12.5
<b>Work-Related Injury (Y/N Check Death Certificate)</b>	91	1.9	1.8	1.4	2.2

*\* 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).