

# 8 Ybj Yf 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: Denver County residents, 2010

Characteristic	Number	Percent
Total Live Births	9,565	100.0
Age of Mother		
10-17	296	3.1
18-19	573	6.0
20-29	4,173	43.6
30+	4,523	47.3
Low Weight Births (<2,500 Grams)	843	8.8
Very Low Weight Births (<1,500 Grams)	110	1.2
Prenatal Care Later than 1st Trimester/No Care	2,419	26.0
No Prenatal Care	212	2.3
Preterm Births (<37 Weeks)	860	9.0
Education of Mother <High School Diploma/GED	2,583	27.3
Live Births to Unmarried Women	2,422	25.4
Smoking During Pregnancy	396	4.1

*"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: Denver 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>	9,565	100.0	296	100.0	573	100.0	4,173	100.0	4,523	100.0
<b>Race/Ethnicity of Mother</b>										
White, Non-Hispanic	4,125	43.6	23	7.9	77	13.6	1,331	32.2	2,694	60.3
White, Hispanic	3,664	38.7	211	72.3	366	64.4	1,916	46.3	1,171	26.2
Black	1,045	11.0	47	16.1	92	16.2	602	14.5	304	6.8
Asian American/Pacific Islander	365	3.9	3	1.0	3	0.5	153	3.7	206	4.6
American Indian/Native Alaskan	87	0.9	3	1.0	14	2.5	39	0.9	31	0.7
Other	182	1.9	5	1.7	16	2.8	98	2.4	63	1.4
Unknown	97		4		5		34		54	
<b>Low Weight Births (&lt;2,500 Grams)</b>	843	8.8	30	10.1	50	8.7	370	8.9	393	8.7
<b>Very Low Weight Births (&lt;1,500 Grams)</b>	110	1.2	6	2.0	7	1.2	43	1.0	54	1.2
<b>Prenatal Care Later than 1st Trimester/No Care</b>	2,419	26.0	120	41.7	222	39.6	1,210	29.8	867	19.7
<b>No Prenatal Care</b>	212	2.3	19	6.6	23	4.1	84	2.1	86	2.0
<b>Preterm Births (&lt;37 Weeks)</b>	860	9.0	27	9.1	45	7.9	367	8.8	421	9.3
<b>Education of Mother &lt;High School Diploma/GED</b>	2,583	27.3	266	91.1	314	55.2	1,248	30.2	755	16.9
<b>Live Births to Unmarried Women</b>	2,422	25.3	240	81.1	335	58.5	1,318	31.6	529	11.7
<b>Smoking During Pregnancy</b>	396	4.1	8	2.7	28	4.9	234	5.6	126	2.8

*"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: Denver 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>	4,125	100.0	3,664	100.0	1,045	100.0	365	100.0	87	100.0
<b>Age of Mother</b>										
<b>10-17</b>	23	0.6	211	5.8	47	4.5	3	0.8	3	3.4
<b>18-19</b>	77	1.9	366	10.0	92	8.8	3	0.8	14	16.1
<b>20-29</b>	1,331	32.3	1,916	52.3	602	57.6	153	41.9	39	44.8
<b>30+</b>	2,694	65.3	1,171	32.0	304	29.1	206	56.4	31	35.6
<b>Low Weight Births (&lt;2,500 Grams)</b>	338	8.2	271	7.4	149	14.3	48	13.2	11	12.6
<b>Very Low Weight Births (&lt;1,500 Grams)</b>	44	1.1	33	0.9	23	2.2	7	1.9	0	0.0
<b>Prenatal Care Later than 1st Trimester/No Care</b>	734	18.4	1,132	31.3	346	34.3	101	28.4	34	40.5
<b>No Prenatal Care</b>	53	1.3	111	3.1	35	3.5	4	1.1	7	8.3
<b>Preterm Births (&lt;37 Weeks)</b>	362	8.8	310	8.5	108	10.3	37	10.1	12	13.8
<b>Education of Mother &lt;High School Diploma/GED</b>	227	5.6	1,970	54.1	248	24.1	45	12.6	22	25.3
<b>Live Births to Unmarried Women</b>	637	15.4	1,079	29.4	534	51.1	38	10.4	37	42.5
<b>Smoking During Pregnancy</b>	188	4.6	119	3.2	71	6.8	5	1.4	5	5.8

*"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: Denver County residents, 2010

Age Group	Births	Population	Fertility Rate	Lower Limit	Upper Limit
All Ages	9,565	142,389	67.2	65.9	68.5
<b>Teen Age Groups</b>					
13-14	9	5,620	1.6	0.5	2.7
15-17	286	8,595	33.3	29.4	37.1
18-19	573	7,569	75.7	69.7	81.7
10-17	296	23,641	12.5	11.1	14.0
10-19	869	31,210	27.8	26.0	29.7
<b>All Age Groups</b>					
10-14	10	15,046	0.7	0.2	1.1
15-19	859	16,164	53.1	49.7	56.6
20-24	1,853	24,238	76.5	73.1	79.8
25-29	2,320	32,814	70.7	67.9	73.5
30-34	2,599	27,555	94.3	90.9	97.8
35-39	1,571	22,890	68.6	65.3	71.9
40-49	353	36,174	9.8	8.7	10.8

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

	2000	2006	2007	2008	2009	2010	2006-2010 Annual Average
<b>Total Population</b>	554,636	562,862	570,437	581,903	595,573	600,158	582,187
<b>Total Births</b>							
Number	10,037	10,200	9,977	10,248	10,073	9,565	10,013
Birth Rate	18.1	18.1	17.5	17.6	16.9	15.9	17.2
General Fertility Rate	76.9	77.7	74.4	74.2	71.1	67.2	72.8
<b>Age of Mother 10-17</b>							
Number	592	434	438	428	339	296	387
Percent of Total Births	5.9	4.3	4.4	4.2	3.4	3.1	3.9
Fertility Rate	24.9	19.0	19.1	18.5	14.5	12.5	16.7
<b>Low Weight Births (&lt;2,500 Grams)</b>							
Number	958	987	937	982	935	843	937
Percent	9.5	9.7	9.4	9.6	9.3	8.8	9.4
<b>Prenatal Care Later Than 1st Trimester/No Care</b>							
Number	2,697	2,642	2,565	2,942	2,677	2,419	2,649
Percent	27.4	26.7	27.0	29.9	27.4	26.0	27.4
<b>Births to Unmarried Women</b>							
Number	3,353	3,531	3,316	2,837	2,772	2,422	
Percent	33.4	34.6	33.2	27.7	27.5	25.3	
<b>Mother's Education &lt;12 Years</b>							
Number	3,767	3,369	3,230	3,235	2,931	2,583	
Percent	38.1	33.9	32.9	32.0	29.5	27.3	
<b>Infant Deaths</b>							
Number	60	56	64	77	71	56	65
Rate	6.0	5.5	6.4	7.5	7.0	5.9	6.5
<b>Neonatal Deaths</b>							
Number	41	41	48	67	47	43	49
Rate	4.1	4.0	4.8	6.5	4.7	4.5	4.9
<b>Total Deaths</b>							
Number	4,404	4,068	4,118	4,202	4,219	4,208	4,163
Crude Rate	794.0	722.7	721.9	722.1	708.4	701.1	715.1
Age-Adjusted Rate	856.8	790.4	800.2	801.8	779.5	757.5	785.7
<b>Cardiovascular Disease</b>							
Number	1,452	1,100	1,164	1,097	1,090	1,090	1,108
Age-Adjusted Rate	283.8	215.8	230.0	212.3	204.5	197.0	211.6
<b>Heart Disease</b>							
Number	987	790	835	833	815	808	816
Age-Adjusted Rate	194.0	155.1	164.4	161.5	152.6	146.0	155.7

(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: Denver County residents, 2000, 2006-2010

	2000	2006	2007	2008	2009	2010	2006-2010 Annual Average
<b>Cerebrovascular Disease</b>							
Number	269	178	225	176	194	196	194
Age-Adjusted Rate	52.1	34.7	44.9	33.8	36.4	35.5	37.0
<b>Malignant Neoplasms</b>							
Number	900	834	808	858	845	896	848
Age-Adjusted Rate	180.7	165.8	160.6	167.2	161.6	167.6	164.6
<b>Lung Cancer</b>							
Number	200	197	200	181	179	221	196
Age-Adjusted Rate	41.1	39.9	41.3	35.6	35.2	41.9	38.8
<b>Breast Cancer</b>							
Number	70	54	51	65	66	69	61
Age-Adjusted Rate	13.8	10.7	9.8	12.2	11.9	12.9	11.5
<b>Total Unintentional Injuries</b>							
Number	293	308	337	326	339	328	328
Age-Adjusted Rate	53.8	56.1	62.7	58.5	58.0	56.9	58.5
<b>Motor Vehicle</b>							
Number	93	61	62	57	44	52	55
Age-Adjusted Rate	16.9	11.0	11.4	10.6	7.5	8.6	9.8
<b>Other Unintentional Injuries</b>							
Number	200	247	275	269	295	276	272
Age-Adjusted Rate	37.0	45.1	51.3	48.0	50.5	48.3	48.7
<b>Chronic Lower Respiratory Diseases</b>							
Number	275	244	246	251	259	284	257
Age-Adjusted Rate	54.7	49.7	50.5	50.8	49.9	52.7	50.8
<b>Suicide</b>							
Number	87	76	100	93	101	100	94
Age-Adjusted Rate	15.9	13.8	16.9	16.0	17.4	16.6	16.1
<b>Homicide and Legal Intervention</b>							
Number	35	57	52	46	43	45	49
Age-Adjusted Rate	6.2	10.1	8.2	7.6	6.7	7.0	7.9
<b>Work-Related Injury</b>							
Number	15	10	13	9	8	3	9
Age-Adjusted Rate	2.8	1.7	2.2	1.6	1.3	0.4	1.4

**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: Denver 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>	4,208	100.0	2,767	100.0	740	100.0	562	100.0	67	100.0	57	100.0
<b>Cardiovascular Disease</b>	1,090	25.9	721	26.1	168	22.7	156	27.8	20	29.9	18	31.6
<b>Heart Disease</b>	808	19.2	541	19.6	116	15.7	115	20.5	14	20.9	16	28.1
<b>Cerebrovascular Disease</b>	196	4.7	121	4.4	44	5.9	26	4.6	3	4.5	*	*
<b>Atherosclerosis</b>	19	0.5	13	0.5	*	*	3	0.5	*	*	0	0.0
<b>Malignant Neoplasms</b>	896	21.3	578	20.9	160	21.6	130	23.1	16	23.9	10	17.5
<b>Lung Cancer</b>	221	5.3	143	5.2	30	4.1	41	7.3	4	6.0	*	*
<b>Breast Cancer</b>	69	1.6	43	1.6	9	1.2	13	2.3	3	4.5	*	*
<b>Chronic Lower Respiratory Disease</b>	284	6.7	235	8.5	22	3.0	22	3.9	*	*	4	7.0
<b>Unintentional Injuries</b>	328	7.8	214	7.7	70	9.5	31	5.5	6	9.0	5	8.8
<b>Motor Vehicle</b>	52	1.2	27	1.0	18	2.4	6	1.1	*	*	0	0.0
<b>Other Unintentional Injuries</b>	276	6.6	187	6.8	52	7.0	25	4.4	5	7.5	5	8.8
<b>Pneumonia and Influenza</b>	78	1.9	55	2.0	14	1.9	8	1.4	*	*	0	0.0
<b>Suicide</b>	100	2.4	69	2.5	16	2.2	10	1.8	*	*	*	*
<b>Diabetes Mellitus</b>	102	2.4	49	1.8	25	3.4	24	4.3	*	*	*	*
<b>HIV Infection</b>	21	0.5	10	0.4	3	0.4	8	1.4	0	0.0	0	0.0
<b>Chronic Liver Disease and Cirrhosis</b>	89	2.1	44	1.6	40	5.4	3	0.5	0	0.0	*	*
<b>Alzheimer's Disease</b>	170	4.0	138	5.0	14	1.9	16	2.8	0	0.0	*	*
<b>Nephritis, Nephrosis, Nephrotic Syndrome</b>	51	1.2	30	1.1	11	1.5	8	1.4	*	*	*	*
<b>Homicide and Legal Intervention</b>	45	1.1	11	0.4	18	2.4	16	2.8	0	0.0	0	0.0
<b>Septicemia</b>	54	1.3	35	1.3	10	1.4	6	1.1	*	*	*	*
<b>Congenital Anomalies</b>	24	0.6	9	0.3	7	0.9	4	0.7	4	6.0	0	0.0
<b>Perinatal Period Conditions</b>	31	0.7	8	0.3	10	1.4	12	2.1	*	*	0	0.0
<b>All Other</b>	845	20.1	561	20.3	152	20.5	108	19.2	12	17.9	10	17.5
<b>Injury by Firearm</b>	62	1.5	33	1.2	14	1.9	14	2.5	0	0.0	*	*
<b>Drug-Induced Deaths</b>	126	3.0	90	3.3	20	2.7	14	2.5	0	0.0	*	*
<b>Alcohol-Induced Deaths</b>	136	3.2	78	2.8	46	6.2	8	1.4	*	*	3	5.3
<b>Work-Related Injury (Y/N Check Death Certificate)</b>	3	0.1	*	*	*	*	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: Denver County residents, 2010

Age Group	Deaths	Population	Age-Specific Death Rate
	Age Group	Age Group	Age Group
All Ages	4,208	600,158	7.0
Infant	56	9,565	5.9
Neonatal	43	9,565	4.5
1-4	10	34,421	0.3
5-9	5	37,371	0.1
10-14	0	30,365	0.0
15-19	12	32,275	0.4
20-24	40	47,688	0.8
25-29	49	65,841	0.7
30-34	47	56,989	0.8
35-39	64	49,183	1.3
40-44	100	40,580	2.5
45-49	148	36,646	4.0
50-54	208	35,830	5.8
55-59	292	33,497	8.7
60-64	305	28,246	10.8
65-69	286	18,673	15.3
70-74	322	13,480	23.9
75-79	417	10,904	38.2
80-84	540	9,455	57.1
85+	1,307	9,620	135.9
1-14	15	102,157	0.1
15-24	52	79,963	0.7
25-64	1,213	346,812	3.5
65+	2,872	62,132	46.2

*\* 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: Denver 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	56	5.9	15	0.1	52	0.7	260	1.2	953	7.1	2,872	46.2
Cardiovascular Disease	*	*	0	0.0	3	0.0	29	0.1	198	1.5	859	13.8
Heart Disease	*	*	0	0.0	*	*	24	0.1	161	1.2	620	10.0
Cerebrovascular Disease	0	0.0	0	0.0	*	*	*	*	27	0.2	166	2.7
Atherosclerosis	0	0.0	0	0.0	0	0.0	0	0.0	*	*	18	0.3
Malignant Neoplasms	0	0.0	*	*	3	0.0	20	0.1	225	1.7	647	10.4
Lung Cancer	0	0.0	0	0.0	0	0.0	*	*	49	0.4	170	2.7
Breast Cancer	0	0.0	0	0.0	0	0.0	5	0.0	13	0.1	51	0.8
Chronic Lower Respiratory Diseases	0	0.0	0	0.0	*	*	*	*	42	0.3	239	3.8
Unintentional Injuries	3	0.3	5	0.0	21	0.3	75	0.4	104	0.8	120	1.9
Motor Vehicle	*	*	3	0.0	11	0.1	13	0.1	13	0.1	11	0.2
Other Unintentional Injuries	*	*	*	*	10	0.1	62	0.3	91	0.7	109	1.8
Pneumonia and Influenza	0	0.0	*	*	*	*	5	0.0	9	0.1	61	1.0
Suicide	0	0.0	0	0.0	7	0.1	39	0.2	45	0.3	9	0.1
Diabetes Mellitus	0	0.0	0	0.0	*	*	6	0.0	36	0.3	59	0.9
HIV Infection	0	0.0	0	0.0	0	0.0	4	0.0	12	0.1	5	0.1
Chronic Liver Disease and Cirrhosis	0	0.0	0	0.0	0	0.0	11	0.1	60	0.4	18	0.3
Alzheimer's Disease	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	170	2.7
Nephritis, Nephrosis, Nephrotic Syndrome	*	*	0	0.0	0	0.0	0	0.0	6	0.0	44	0.7
Homicide and Legal Intervention	0	0.0	0	0.0	12	0.2	23	0.1	7	0.1	3	0.0
Septicemia	0	0.0	0	0.0	0	0.0	*	*	9	0.1	43	0.7
Congenital Anomalies	14	1.5	3	0.0	*	*	*	*	3	0.0	*	*
Perinatal Period Conditions	31	3.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
All Other	6	0.6	4	0.0	*	*	43	0.2	197	1.5	593	9.5
Injury by Firearm	0	0.0	0	0.0	11	0.1	22	0.1	21	0.2	8	0.1
Drug-Induced Deaths	0	0.0	0	0.0	8	0.1	47	0.2	68	0.5	3	0.0
Alcohol-Induced Deaths	0	0.0	0	0.0	0	0.0	27	0.1	94	0.7	15	0.2
Work-Related Injury (Y/N Check Death Certificate)	0	0.0	0	0.0	0	0.0	*	*	*	*	0	0.0

\* indicates one or two events in the category.

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

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

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

**Deaths, crude death rates and age-adjusted death rates with 95% confidence limits from selected causes:  
Denver 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>	4,208	701.1	757.5	734.9	780.0
<b>Cardiovascular Disease</b>	1,090	181.6	197.0	185.3	208.8
<b>Heart Disease</b>	808	134.6	146.0	135.8	156.1
<b>Cerebrovascular Disease</b>	196	32.7	35.5	30.5	40.5
<b>Atherosclerosis</b>	19	3.2	3.4	1.9	5.0
<b>Malignant Neoplasms</b>	896	149.3	167.6	156.5	178.7
<b>Lung Cancer</b>	221	36.8	41.9	36.3	47.5
<b>Breast Cancer</b>	69	11.5	12.9	9.8	16.0
<b>Chronic Lower Respiratory Diseases</b>	284	47.3	52.7	46.6	58.9
<b>Unintentional Injuries</b>	328	54.7	56.9	50.7	63.2
<b>Motor Vehicle</b>	52	8.7	8.6	6.2	11.0
<b>Other Unintentional Injuries</b>	276	46.0	48.3	42.6	54.1
<b>Pneumonia and Influenza</b>	78	13.0	14.0	10.8	17.1
<b>Suicide</b>	100	16.7	16.6	13.3	19.8
<b>Diabetes Mellitus</b>	102	17.0	18.3	14.7	21.9
<b>HIV Infection</b>	21	3.5	3.7	2.1	5.2
<b>Chronic Liver Disease and Cirrhosis</b>	89	14.8	15.3	12.0	18.5
<b>Alzheimer's Disease</b>	170	28.3	29.9	25.4	34.4
<b>Nephritis, Nephrosis, Nephrotic Syndrome</b>	51	8.5	9.5	6.9	12.2
<b>Homicide and Legal Intervention</b>	45	7.5	7.0	4.9	9.1
<b>Septicemia</b>	54	9.0	10.1	7.4	12.9
<b>Congenital Anomalies</b>	24	4.0	3.9	2.3	5.5
<b>Perinatal Period Conditions</b>	31	5.2	4.7	3.1	6.4
<b>All Other</b>	845	140.8	150.2	140.0	160.4
<b>Injury by Firearm</b>	62	10.3	10.2	7.6	12.7
<b>Drug-Induced Deaths</b>	126	21.0	21.7	17.9	25.6
<b>Alcohol-Induced Deaths</b>	136	22.7	22.6	18.8	26.5
<b>Work-Related Injury (Y/N Check Death Certificate)</b>	3	0.5	0.4	0.0	1.2

*\* 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 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).