

Denver County Births and Deaths 2008

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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.

Selected birth characteristics: Denver County residents, 2008

Characteristic	Number	Percent
Total Live Births	10,248	100.0
Age of Mother		
10-17	428	4.2
18-19	655	6.4
20-29	4,607	45.0
30+	4,558	44.5
Low Weight Births (<2,500 Grams)	982	9.6
Very Low Weight Births (<1,500 Grams)	190	1.9
Prenatal Care Later than 1st Trimester/No Care	2,942	29.9
No Prenatal Care	231	2.3
Preterm Births (<37 Weeks)	1,018	10.0
Education of Mother <High School Diploma/GED	3,235	32.0
Live Births to Unmarried Women	2,837	27.7
Smoking During Pregnancy	542	5.3

"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 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, 2008

Characteristic	All Ages		10-17		18-19		20-29		30+	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total Live Births	10,248	100.0	428	100.0	655	100.0	4,607	100.0	4,558	100.0
Race/Ethnicity of Mother										
White Non-Hispanic	4,026	39.6	27	6.3	72	11.1	1,339	29.3	2,588	57.4
White Hispanic	4,440	43.7	318	74.5	427	65.7	2,392	52.3	1,303	28.9
Black	1,098	10.8	60	14.1	120	18.5	585	12.8	333	7.4
Other	594	5.8	22	5.2	31	4.8	254	5.6	287	6.4
Low Weight Births (<2,500 Grams)	982	9.6	46	10.8	77	11.8	401	8.7	458	10.1
Very Low Weight Births (<1,500 Grams)	190	1.9	17	4.0	16	2.4	71	1.5	86	1.9
Prenatal Care Later than 1st Trimester/No Care	2,942	29.9	194	46.9	268	42.7	1,550	35.1	930	21.3
No Prenatal Care	231	2.3	17	4.1	10	1.6	118	2.7	86	2.0
Preterm Births (<37 Weeks)	1,018	10.0	33	7.8	69	10.6	414	9.0	502	11.0
Education of Mother <High School Diploma/GED	3,235	32.0	391	92.2	361	55.5	1,588	35.0	895	19.9
Live Births to Unmarried Women	2,837	27.7	330	77.1	401	61.2	1,545	33.5	561	12.3
Smoking During Pregnancy	542	5.3	19	4.5	35	5.4	339	7.4	149	3.3

"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.cdph.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, 2008

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
Total Live Births	4,026	100.0	4,440	100.0	1,098	100.0	385	100.0	98	100.0
Age of Mother										
10-17	27	0.7	318	7.2	60	5.5	*	*	14	14.3
18-19	72	1.8	427	9.6	120	10.9	11	2.9	8	8.2
20-29	1,339	33.3	2,392	53.9	585	53.3	153	39.7	47	48.0
30+	2,588	64.3	1,303	29.3	333	30.3	219	56.9	29	29.6
Low Weight Births (<2,500 Grams)	356	8.8	387	8.7	165	15.0	43	11.2	15	15.3
Very Low Weight Births (<1,500 Grams)	67	1.7	70	1.6	35	3.2	8	2.1	3	3.1
Prenatal Care Later than 1st Trimester/No Care	646	16.7	1,675	39.2	412	39.4	108	29.3	43	46.2
No Prenatal Care	52	1.3	128	3.0	25	2.4	8	2.2	9	9.7
Preterm Births (<37 Weeks)	390	9.7	396	9.0	150	13.7	43	11.2	18	18.4
Education of Mother <High School Diploma/GED	199	5.0	2,607	59.3	261	24.3	56	14.9	41	41.8
Live Births to Unmarried Women	587	14.6	1,492	33.6	600	54.6	57	14.8	53	54.1
Smoking During Pregnancy	228	5.7	189	4.3	94	8.6	7	1.8	15	15.3

"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 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, 2008

Age Group	Births	Population	Fertility Rate	Lower Limit	Upper Limit
All Ages	10,248	129,547	79.1	77.6	80.6
Teen Age Groups		*			
13-14	13	6,733	1.9	0.8	3.1
15-17	415	10,558	39.3	35.6	43.1
18-19	655	8,060	81.3	75.2	87.3
10-17	428	27,885	15.3	13.9	16.8
10-19	1,083	35,945	30.1	28.3	31.9
All Age Groups		*			
10-14	13	17,327	0.8	0.3	1.2
15-19	1,070	18,618	57.5	54.1	60.8
20-24	2,136	20,110	106.2	101.9	110.5
25-29	2,471	18,430	134.1	129.1	139.0
30-34	2,710	23,782	114.0	109.9	118.0
35-39	1,528	27,310	56.0	53.2	58.7
40-49	320	40,965	7.8	6.9	8.7

** 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 for definitions of data items.

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

Vital statistics summary: Denver County residents, 1998, 2004-2008

	1998	2004	2005	2006	2007	2008	2004-2008 Annual Average
Total Population	533,409	574,324	576,933	585,032	596,584	606,438	587,862
Total Births							
Number	9,060	10,438	10,223	10,200	9,977	10,248	10,217
Birth Rate	17.0	18.2	17.7	17.4	16.7	16.9	17.4
General Fertility Rate	71.9	82.6	82.1	81.8	78.9	79.1	80.9
Age of Mother 10-17							
Number	574	509	501	434	438	428	462
Percent of Total Births	6.3	4.9	4.9	4.3	4.4	4.2	4.5
Fertility Rate	25.3	19.8	19.4	16.4	16.2	15.3	17.4
Low Weight Births (<2,500 Grams)							
Number	867	1,011	1,048	987	937	982	993
Percent	9.6	9.7	10.3	9.7	9.4	9.6	9.7
Prenatal Care Later Than 1st Trimester/No Care							
Number	2,095	2,662	2,561	2,642	2,565	2,942	2,674
Percent	23.3	26.5	25.9	26.7	27.0	29.9	27.2
Births to Unmarried Women							
Number	3,215	3,476	3,480	3,531	3,316	2,837	
Percent	35.5	33.3	34.0	34.6	33.2	27.7	
Mother's Education <12 Years							
Number	3,129	3,787	3,593	3,369	3,230	3,235	
Percent	35.1	36.7	35.8	33.9	32.4	31.6	
Infant Deaths							
Number	80	72	94	56	64	77	73
Rate	8.8	6.9	9.2	5.5	6.4	7.5	7.1
Neonatal Deaths							
Number	58	51	74	41	48	67	56
Rate	6.4	4.9	7.2	4.0	4.8	6.5	5.5
Total Deaths							
Number	4,587	4,232	4,247	4,068	4,118	4,202	4,173
Crude Rate	859.9	736.9	736.1	695.3	690.3	692.9	709.9
Age-Adjusted Rate	908.5	803.7	800.9	762.6	773.3	815.8	790.5
Cardiovascular Disease							
Number	1,456	1,288	1,231	1,100	1,164	1,097	1,176
Age-Adjusted Rate	289.4	249.6	237.3	210.4	224.3	218.7	228.1
Heart Disease							
Number	1,163	882	856	790	835	833	839
Age-Adjusted Rate	231.8	171.0	165.2	150.8	160.3	166.2	162.6

(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: Denver County residents, 1998, 2004-2008

	1998	2004	2005	2006	2007	2008	2004-2008 Annual Average
Cerebrovascular Disease							
Number	280	222	200	178	225	176	200
Age-Adjusted Rate	55.1	42.9	38.5	34.1	43.8	34.8	38.9
Malignant Neoplasms							
Number	914	917	863	834	808	858	856
Age-Adjusted Rate	186.1	178.2	165.7	159.4	153.8	171.4	165.4
Lung Cancer							
Number	197	216	189	197	200	181	197
Age-Adjusted Rate	40.5	42.7	36.9	38.2	39.3	36.6	38.8
Breast Cancer							
Number	77	66	57	54	51	65	59
Age-Adjusted Rate	15.9	12.6	10.5	10.3	9.3	12.6	11.0
Total Unintentional Injuries							
Number	251	274	286	308	337	326	306
Age-Adjusted Rate	47.6	48.7	50.8	54.0	59.7	57.7	54.2
Motor Vehicle							
Number	80	63	67	61	62	57	62
Age-Adjusted Rate	14.8	11.1	11.6	10.5	10.6	10.2	10.8
Other Unintentional Injuries							
Number	171	211	219	247	275	269	244
Age-Adjusted Rate	32.8	37.5	39.2	43.4	49.1	47.5	43.4
Chronic Lower Respiratory Diseases							
Number	277	246	269	244	246	251	251
Age-Adjusted Rate	55.6	48.5	53.0	47.9	48.6	52.5	50.0
Suicide							
Number	73	89	94	76	100	93	90
Age-Adjusted Rate	13.5	15.1	16.7	13.1	16.5	15.7	15.4
Homicide and Legal Intervention							
Number	48	85	47	57	52	46	57
Age-Adjusted Rate	8.3	14.3	8.0	9.8	8.5	7.4	9.5
Work-Related Injury							
Number	13	10	6	10	13	9	10
Age-Adjusted Rate	2.4	1.6	1.0	1.6	2.1	1.7	1.6

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.

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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: Denver County residents, 2008

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	%
Total	4,202	100.0	2,806	100.0	730	100.0	555	100.0	59	100.0	44	100.0
Cardiovascular Disease	1,097	26.1	763	27.2	158	21.6	151	27.2	14	23.7	8	18.2
Heart Disease	833	19.8	591	21.1	119	16.3	109	19.6	8	13.6	4	9.1
Cerebrovascular Disease	176	4.2	114	4.1	28	3.8	26	4.7	6	10.2	*	*
Atherosclerosis	29	0.7	19	0.7	*	*	6	1.1	0	0.0	*	*
Malignant Neoplasms	858	20.4	590	21.0	137	18.8	109	19.6	12	20.3	10	22.7
Lung Cancer	181	4.3	126	4.5	27	3.7	24	4.3	*	*	*	*
Breast Cancer	65	1.5	50	1.8	4	0.5	11	2.0	0	0.0	0	0.0
Chronic Lower Respiratory Disease	251	6.0	194	6.9	33	4.5	20	3.6	4	6.8	0	0.0
Unintentional Injuries	326	7.8	200	7.1	74	10.1	43	7.7	*	*	6	13.6
Motor Vehicle	57	1.4	30	1.1	14	1.9	10	1.8	*	*	*	*
Other Unintentional Injuries	269	6.4	170	6.1	60	8.2	33	5.9	*	*	4	9.1
Pneumonia and Influenza	107	2.5	71	2.5	20	2.7	12	2.2	*	*	*	*
Suicide	93	2.2	67	2.4	10	1.4	11	2.0	3	5.1	*	*
Diabetes Mellitus	109	2.6	60	2.1	26	3.6	22	4.0	*	*	0	0.0
HIV Infection	25	0.6	15	0.5	3	0.4	6	1.1	0	0.0	*	*
Chronic Liver Disease and Cirrhosis	85	2.0	44	1.6	26	3.6	11	2.0	*	*	3	6.8
Alzheimer's Disease	183	4.4	139	5.0	19	2.6	22	4.0	*	*	*	*
Nephritis, Nephrosis, Nephrotic Syndrome	75	1.8	47	1.7	11	1.5	11	2.0	5	8.5	*	*
Homicide and Legal Intervention	46	1.1	8	0.3	21	2.9	16	2.9	*	*	0	0.0
Septicemia	55	1.3	41	1.5	9	1.2	3	0.5	*	*	*	*
Congenital Anomalies	27	0.6	12	0.4	4	0.5	10	1.8	0	0.0	0	0.0
Perinatal Period Conditions	48	1.1	15	0.5	22	3.0	9	1.6	*	*	*	*
All Other	817	19.4	540	19.2	157	21.5	99	17.8	11	18.6	9	20.5
Injury by Firearm	51	1.2	19	0.7	15	2.1	15	2.7	*	*	*	*
Drug-Induced Deaths	172	4.1	101	3.6	39	5.3	28	5.0	*	*	*	*
Alcohol-Induced Deaths	144	3.4	82	2.9	36	4.9	17	3.1	0	0.0	8	18.2
Work-Related Injury (Y/N Check Death Certificate)	9	0.2	3	0.1	5	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: Denver County residents, 2008

Age Group	Deaths	Population	Age-Specific Death Rate
	Age Group	Age Group	Age Group
All Ages	4,202	606,438	6.9
Infant	77	10,248	7.5
Neonatal	67	10,248	6.5
1-4	10	44,711	0.2
5-9	8	47,388	0.2
10-14	9	35,590	0.3
15-19	17	37,659	0.5
20-24	32	40,057	0.8
25-29	44	39,291	1.1
30-34	62	50,367	1.2
35-39	73	59,127	1.2
40-44	96	47,086	2.0
45-49	173	41,638	4.2
50-54	224	38,064	5.9
55-59	298	35,192	8.5
60-64	290	25,706	11.3
65-69	262	14,469	18.1
70-74	307	11,193	27.4
75-79	421	11,716	35.9
80-84	579	8,912	65.0
85+	1,220	8,038	151.8
1-14	27	127,689	0.2
15-24	49	77,716	0.6
25-64	1,260	336,471	3.7
65+	2,789	54,328	51.3

** 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, 2008

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	77	7.5	27	0.2	49	0.6	275	1.4	985	7.0	2,789	51.3
Cardiovascular Disease	*	*	0	0.0	3	0.0	31	0.2	203	1.4	859	15.8
Heart Disease	*	*	0	0.0	3	0.0	21	0.1	164	1.2	644	11.9
Cerebrovascular Disease	0	0.0	0	0.0	0	0.0	9	0.0	28	0.2	139	2.6
Atherosclerosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	29	0.5
Malignant Neoplasms	0	0.0	*	*	0	0.0	26	0.1	240	1.7	590	10.9
Lung Cancer	0	0.0	0	0.0	0	0.0	*	*	48	0.3	131	2.4
Breast Cancer	0	0.0	0	0.0	0	0.0	*	*	25	0.2	39	0.7
Chronic Lower Respiratory Diseases	0	0.0	0	0.0	*	*	*	*	33	0.2	216	4.0
Unintentional Injuries	0	0.0	9	0.1	17	0.2	87	0.4	111	0.8	102	1.9
Motor Vehicle	0	0.0	5	0.0	9	0.1	14	0.1	16	0.1	13	0.2
Other Unintentional Injuries	0	0.0	4	0.0	8	0.1	73	0.4	95	0.7	89	1.6
Pneumonia and Influenza	0	0.0	0	0.0	*	*	7	0.0	21	0.1	78	1.4
Suicide	0	0.0	*	*	8	0.1	32	0.2	39	0.3	13	0.2
Diabetes Mellitus	0	0.0	0	0.0	0	0.0	*	*	28	0.2	79	1.5
HIV Infection	0	0.0	0	0.0	0	0.0	12	0.1	12	0.1	*	*
Chronic Liver Disease and Cirrhosis	0	0.0	0	0.0	0	0.0	7	0.0	57	0.4	21	0.4
Alzheimer's Disease	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	183	3.4
Nephritis, Nephrosis, Nephrotic Syndrome	0	0.0	0	0.0	0	0.0	*	*	3	0.0	70	1.3
Homicide and Legal Intervention	0	0.0	3	0.0	11	0.1	21	0.1	10	0.1	*	*
Septicemia	*	*	0	0.0	0	0.0	0	0.0	17	0.1	37	0.7
Congenital Anomalies	13	1.3	*	*	*	*	*	*	5	0.0	4	0.1
Perinatal Period Conditions	48	4.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
All Other	14	1.4	10	0.1	7	0.1	45	0.2	206	1.5	535	9.8
Injury by Firearm	0	0.0	*	*	11	0.1	19	0.1	11	0.1	8	0.1
Drug-Induced Deaths	0	0.0	0	0.0	6	0.1	70	0.4	83	0.6	13	0.2
Alcohol-Induced Deaths	0	0.0	0	0.0	0	0.0	25	0.1	102	0.7	17	0.3
Work-Related Injury (Y/N Check Death Certificate)	0	0.0	0	0.0	*	*	3	0.0	*	*	3	0.1

* 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, 2008**

Cause of Death	N	Rate	Age-Adjusted Rate	Lower Limit	Upper Limit
All Causes	4,202	692.9	815.8	791.6	840.1
Cardiovascular Disease	1,097	180.9	218.7	205.7	231.6
Heart Disease	833	137.4	166.2	154.8	177.5
Cerebrovascular Disease	176	29.0	34.8	29.6	40.0
Atherosclerosis	29	4.8	5.8	3.7	7.9
Malignant Neoplasms	858	141.5	171.4	159.7	183.0
Lung Cancer	181	29.8	36.6	31.1	42.0
Breast Cancer	65	10.7	12.6	9.5	15.7
Chronic Lower Respiratory Diseases	251	41.4	52.5	46.0	59.1
Unintentional Injuries	326	53.8	57.7	51.3	64.1
Motor Vehicle	57	9.4	10.2	7.5	12.9
Other Unintentional Injuries	267	44.0	47.2	41.4	52.9
Pneumonia and Influenza	107	17.6	20.7	16.7	24.6
Suicide	93	15.3	15.7	12.4	18.9
Diabetes Mellitus	109	18.0	21.7	17.6	25.9
HIV Infection	25	4.1	4.0	2.4	5.6
Chronic Liver Disease and Cirrhosis	85	14.0	14.9	11.6	18.1
Alzheimer's Disease	183	30.2	36.9	31.6	42.2
Nephritis, Nephrosis, Nephrotic Syndrome	75	12.4	15.5	12.0	19.0
Homicide and Legal Intervention	46	7.6	7.4	5.3	9.6
Septicemia	55	9.1	10.7	7.8	13.6
Congenital Anomalies	27	4.5	4.2	2.6	5.8
Perinatal Period Conditions	48	7.9	6.5	4.7	8.3
All Other	817	134.7	157.5	146.6	168.4
Injury by Firearm	51	8.4	8.7	6.3	11.2
Drug-Induced Deaths	172	28.4	28.2	23.9	32.4
Alcohol-Induced Deaths	144	23.7	23.9	19.9	27.9
Work-Related Injury (Y/N Check Death Certificate)	9	1.5	1.7	0.8	3.1

** 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)^{1,2,3}. 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 Prevention⁴. *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.

References:

- ¹ 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.
- ² 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.
- ³ 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.
- ⁴ 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.