

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

Denver County Births and Deaths 2007

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

Selected birth characteristics: Denver County residents, 2007

Characteristic	Number	Percent
Total Live Births	9,977	100.0
Age of Mother		
10-17	438	4.4
18-19	677	6.8
20-29	4,603	46.1
30+	4,259	42.7
Low Weight Births (<2,500 Grams)	937	9.4
Very Low Weight Births (<1,500 Grams)	139	1.4
Prenatal Care Later than 1st Trimester/No Care	2,565	27.0
No Prenatal Care	222	2.3
Preterm Births (<37 Weeks)	981	9.8
Education of Mother <High School Diploma/GED	3,230	32.9
Live Births to Unmarried Women	3,316	33.4
Smoking During Pregnancy	696	7.0

"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, 2007

Characteristic	All Ages		10-17		18-19		20-29		30+	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total Live Births	9,977	100.0	438	100.0	677	100.0	4,603	100.0	4,259	100.0
Race/Ethnicity of Mother										
White Non-Hispanic	3,809	38.5	27	6.2	78	11.5	1,263	27.7	2,441	57.7
White Hispanic	4,512	45.6	348	80.2	454	67.2	2,464	54.1	1,246	29.5
Black	1,054	10.7	53	12.2	113	16.7	591	13.0	297	7.0
Other	517	5.2	6	1.4	31	4.6	236	5.2	244	5.8
Low Weight Births (<2,500 Grams)	937	9.4	58	13.3	74	10.9	398	8.6	407	9.6
Very Low Weight Births (<1,500 Grams)	139	1.4	15	3.4	8	1.2	59	1.3	57	1.3
Prenatal Care Later than 1st Trimester/No Care	2,565	27.0	212	50.1	280	42.4	1,340	30.5	733	18.2
No Prenatal Care	222	2.3	19	4.5	21	3.2	110	2.5	72	1.8
Preterm Births (<37 Weeks)	981	9.8	50	11.5	62	9.2	403	8.8	466	11.0
Education of Mother <High School Diploma/GED	3,230	32.9	401	93.0	385	57.3	1,631	36.0	813	19.4
Live Births to Unmarried Women	3,316	33.2	378	86.3	479	70.8	1,855	40.3	604	14.2
Smoking During Pregnancy	696	7.0	31	7.1	72	10.7	411	9.0	182	4.3

"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 race/ethnicity of mother: Denver 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
Total Live Births	3,809	100.0	4,512	100.0	1,054	100.0	346	100.0	106	100.0
Age of Mother										
10-17	27	0.7	348	7.7	53	5.0	*	*	*	*
18-19	78	2.0	454	10.1	113	10.7	8	2.3	16	15.1
20-29	1,263	33.2	2,464	54.6	591	56.1	139	40.2	58	54.7
30+	2,441	64.1	1,246	27.6	297	28.2	198	57.2	31	29.2
Low Weight Births (<2,500 Grams)	364	9.6	359	8.0	136	12.9	47	13.6	12	11.3
Very Low Weight Births (<1,500 Grams)	45	1.2	55	1.2	33	3.1	*	*	*	*
Prenatal Care Later than 1st Trimester/No Care	516	14.3	1,543	35.6	343	34.3	80	24.5	44	43.1
No Prenatal Care	41	1.1	130	3.0	32	3.2	6	1.8	8	7.8
Preterm Births (<37 Weeks)	402	10.6	369	8.2	126	12.0	51	14.8	14	13.2
Education of Mother <High School Diploma/GED	194	5.1	2,642	59.4	262	25.6	59	17.6	36	34.3
Live Births to Unmarried Women	613	16.1	1,918	42.5	601	57.0	63	18.2	60	56.6
Smoking During Pregnancy	268	7.0	261	5.8	120	11.4	15	4.3	23	21.9

"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 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, 2007

Age Group	Births	Population	Fertility Rate	Lower Limit	Upper Limit
All Ages	9,977	125,247	79.7	78.2	81.2
Teen Age Groups					
13-14	21	6,796	3.1	1.7	4.5
15-17	416	10,052	41.4	37.4	45.3
18-19	677	7,534	89.9	83.3	96.4
10-17	438	26,845	16.3	14.8	17.9
10-19	1,115	34,379	32.4	30.5	34.3
All Age Groups					
10-14	22	16,793	1.3	0.7	1.9
15-19	1,093	17,586	62.2	58.6	65.7
20-24	2,173	19,201	113.2	108.7	117.7
25-29	2,430	17,864	136.0	131.0	141.1
30-34	2,484	24,157	102.8	99.0	106.7
35-39	1,470	26,032	56.5	53.6	59.3
40-49	304	39,788	7.6	6.8	8.5

** 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, 1997, 2003-2007

	1997	2003	2004	2005	2006	2007	2003-2007 Annual Average
Total Population	527,442	566,954	570,325	572,924	581,024	592,577	576,761
Total Births							
Number	8,537	10,365	10,438	10,223	10,200	9,977	10,241
Birth Rate	16.2	18.3	18.3	17.8	17.6	16.8	17.8
General Fertility Rate	68.2	81.7	83.0	82.4	82.4	79.7	81.8
Age of Mother 10-17							
Number	587	523	509	501	434	438	481
Percent of Total Births	6.9	5.0	4.9	4.9	4.3	4.4	4.7
Fertility Rate	26.3	20.7	19.9	19.5	16.5	16.3	18.5
Low Weight Births (<2,500 Grams)							
Number	870	1,007	1,011	1,048	987	937	998
Percent	10.2	9.7	9.7	10.3	9.7	9.4	9.7
Prenatal Care Later Than 1st Trimester/No Care							
Number	1,999	2,942	2,662	2,561	2,642	2,565	2,674
Percent	23.6	29.3	26.5	25.9	26.7	27.0	27.1
Births to Unmarried Women							
Number	3,115	3,487	3,476	3,480	3,531	3,316	
Percent	36.5	33.6	33.3	34.0	34.6	33.2	
Mother's Education <12 Years							
Number	3,044	3,813	3,787	3,593	3,369	3,230	
Percent	36.4	37.2	36.7	35.8	33.9	32.4	
Infant Deaths							
Number	67	72	72	94	56	64	72
Rate	7.8	6.9	6.9	9.2	5.5	6.4	7.0
Neonatal Deaths							
Number	44	55	51	74	41	48	54
Rate	5.2	5.3	4.9	7.2	4.0	4.8	5.3
Total Deaths							
Number	4,541	4,321	4,232	4,247	4,068	4,118	4,197
Crude Rate	860.9	762.1	742.0	741.3	700.1	694.9	727.7
Age-Adjusted Rate	900.0	831.8	806.6	806.2	766.9	776.9	797.2
Cardiovascular Disease							
Number	1,468	1,372	1,288	1,231	1,100	1,164	1,231
Age-Adjusted Rate	291.9	268.0	250.1	238.7	211.5	225.3	238.7
Heart Disease							
Number	1,150	965	882	856	790	835	866
Age-Adjusted Rate	229.2	188.6	171.4	166.2	151.6	161.0	167.7

(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, 1997, 2003-2007

	1997	2003	2004	2005	2006	2007	2003-2007 Annual Average
Cerebrovascular Disease							
Number	288	234	222	200	178	225	212
Age-Adjusted Rate	56.7	45.9	43.0	38.7	34.3	44.0	41.2
Malignant Neoplasms							
Number	943	911	917	863	834	808	867
Age-Adjusted Rate	191.0	179.8	178.8	166.9	160.3	154.5	167.9
Lung Cancer							
Number	212	228	216	189	197	200	206
Age-Adjusted Rate	43.2	45.6	42.9	37.2	38.5	39.5	40.6
Breast Cancer							
Number	83	60	66	57	54	51	58
Age-Adjusted Rate	16.9	11.6	12.7	10.6	10.3	9.4	10.9
Total Unintentional Injuries							
Number	243	292	274	286	308	337	299
Age-Adjusted Rate	45.7	52.4	49.0	51.2	54.3	60.0	53.4
Motor Vehicle							
Number	87	79	63	67	61	62	66
Age-Adjusted Rate	16.1	14.2	11.2	11.7	10.6	10.7	11.7
Other Unintentional Injuries							
Number	156	213	211	219	247	275	233
Age-Adjusted Rate	29.5	38.2	37.8	39.5	43.7	49.4	41.7
Chronic Lower Respiratory Diseases							
Number	257	258	246	269	244	246	253
Age-Adjusted Rate	51.6	51.5	48.6	53.3	48.1	48.8	50.0
Suicide							
Number	74	79	89	94	76	100	88
Age-Adjusted Rate	13.7	13.5	15.2	16.9	13.2	16.6	15.1
Homicide and Legal Intervention							
Number	61	63	85	47	57	52	61
Age-Adjusted Rate	11.5	10.8	14.4	8.0	9.9	8.5	10.3
Work-Related Injury							
Number	10	11	10	6	10	13	10
Age-Adjusted Rate	1.8	2.0	1.7	1.0	1.6	2.1	1.7

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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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, 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	%
Total	4,118	100.0	2,730	100.0	733	100.0	543	100.0	63	100.0	44	100.0
Cardiovascular Disease	1,164	28.3	806	29.5	166	22.6	163	30.0	20	31.7	9	20.5
Heart Disease	835	20.3	582	21.3	129	17.6	108	19.9	10	15.9	6	13.6
Cerebrovascular Disease	225	5.5	158	5.8	24	3.3	36	6.6	6	9.5	*	*
Atherosclerosis	42	1.0	28	1.0	5	0.7	5	0.9	*	*	*	*
Malignant Neoplasms	808	19.6	534	19.6	129	17.6	127	23.4	11	17.5	5	11.4
Lung Cancer	200	4.9	142	5.2	23	3.1	30	5.5	3	4.8	*	*
Breast Cancer	51	1.2	34	1.2	6	0.8	11	2.0	0	0.0	0	0.0
Chronic Lower Respiratory Disease	246	6.0	196	7.2	23	3.1	21	3.9	3	4.8	3	6.8
Unintentional Injuries	337	8.2	208	7.6	74	10.1	46	8.5	5	7.9	4	9.1
Motor Vehicle	62	1.5	31	1.1	21	2.9	8	1.5	*	*	0	0.0
Other Unintentional Injuries	275	6.7	177	6.5	53	7.2	38	7.0	3	4.8	4	9.1
Pneumonia and Influenza	91	2.2	69	2.5	11	1.5	10	1.8	*	*	0	0.0
Suicide	100	2.4	74	2.7	13	1.8	7	1.3	*	*	5	11.4
Diabetes Mellitus	80	1.9	39	1.4	20	2.7	18	3.3	0	0.0	3	6.8
HIV Infection	34	0.8	19	0.7	5	0.7	6	1.1	*	*	3	6.8
Chronic Liver Disease and Cirrhosis	89	2.2	40	1.5	40	5.5	5	0.9	*	*	*	*
Alzheimer's Disease	134	3.3	107	3.9	11	1.5	14	2.6	*	*	0	0.0
Nephritis, Nephrosis, Nephrotic Syndrome	72	1.7	46	1.7	14	1.9	9	1.7	*	*	*	*
Homicide and Legal Intervention	52	1.3	10	0.4	30	4.1	12	2.2	0	0.0	0	0.0
Septicemia	48	1.2	33	1.2	10	1.4	5	0.9	0	0.0	0	0.0
Congenital Anomalies	19	0.5	6	0.2	10	1.4	*	*	*	*	0	0.0
Perinatal Period Conditions	34	0.8	10	0.4	15	2.0	6	1.1	*	*	*	*
All Other	810	19.7	533	19.5	162	22.1	92	16.9	12	19.0	8	18.2
Injury by Firearm	75	1.8	32	1.2	28	3.8	13	2.4	0	0.0	*	*
Drug-Induced Deaths	147	3.6	85	3.1	31	4.2	27	5.0	*	*	3	6.8
Alcohol-Induced Deaths	121	2.9	63	2.3	42	5.7	7	1.3	*	*	7	15.9
Work-Related Injury (Y/N Check Death Certificate)	13	0.3	8	0.3	4	0.5	*	*	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, 2007

Age Group	Deaths	Population	Age-Specific Death Rate
	Age Group	Age Group	Age Group
All Ages	4,118	592,577	6.9
Infant	64	9,977	6.4
Neonatal	48	9,977	4.8
1-4	13	43,456	0.3
5-9	7	43,220	0.2
10-14	*	34,514	*
15-19	17	35,726	0.5
20-24	29	38,255	0.8
25-29	48	38,252	1.3
30-34	51	51,597	1.0
35-39	72	56,585	1.3
40-44	105	44,966	2.3
45-49	172	40,771	4.2
50-54	226	37,031	6.1
55-59	270	34,181	7.9
60-64	261	23,667	11.0
65-69	265	14,477	18.3
70-74	325	14,582	22.3
75-79	430	13,410	32.1
80-84	571	8,917	64.0
85+	1,190	8,044	147.9
1-14	22	121,190	0.2
15-24	46	73,981	0.6
25-64	1,205	327,050	3.7
65+	2,781	59,430	46.8

* 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, 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	64	6.4	22	0.2	46	0.6	276	1.4	929	6.8	2,781	46.8
Cardiovascular Disease	*	*	*	*	*	*	25	0.1	177	1.3	958	16.1
Heart Disease	*	*	*	*	*	*	20	0.1	142	1.0	670	11.3
Cerebrovascular Disease	*	*	0	0.0	0	0.0	4	0.0	23	0.2	197	3.3
Atherosclerosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	42	0.7
Malignant Neoplasms	0	0.0	3	0.0	3	0.0	21	0.1	239	1.8	542	9.1
Lung Cancer	0	0.0	0	0.0	0	0.0	0	0.0	46	0.3	154	2.6
Breast Cancer	0	0.0	0	0.0	0	0.0	4	0.0	19	0.1	28	0.5
Chronic Lower Respiratory Diseases	0	0.0	0	0.0	0	0.0	*	*	34	0.3	211	3.6
Unintentional Injuries	*	*	6	0.0	14	0.2	76	0.4	114	0.8	126	2.1
Motor Vehicle	0	0.0	4	0.0	8	0.1	17	0.1	20	0.1	13	0.2
Other Unintentional Injuries	*	*	*	*	6	0.1	59	0.3	94	0.7	113	1.9
Pneumonia and Influenza	0	0.0	0	0.0	0	0.0	3	0.0	20	0.1	68	1.1
Suicide	0	0.0	0	0.0	7	0.1	48	0.3	35	0.3	10	0.2
Diabetes Mellitus	0	0.0	0	0.0	*	*	*	*	24	0.2	54	0.9
HIV Infection	0	0.0	0	0.0	0	0.0	13	0.1	20	0.1	*	*
Chronic Liver Disease and Cirrhosis	0	0.0	0	0.0	0	0.0	13	0.1	53	0.4	23	0.4
Alzheimer's Disease	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	134	2.3
Nephritis, Nephrosis, Nephrotic Syndrome	0	0.0	0	0.0	0	0.0	0	0.0	5	0.0	67	1.1
Homicide and Legal Intervention	3	0.3	3	0.0	13	0.2	21	0.1	10	0.1	*	*
Septicemia	0	0.0	0	0.0	0	0.0	*	*	12	0.1	34	0.6
Congenital Anomalies	13	1.3	*	*	*	*	0	0.0	*	*	*	*
Perinatal Period Conditions	34	3.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
All Other	11	1.1	8	0.1	6	0.1	52	0.3	184	1.4	549	9.2
Injury by Firearm	0	0.0	*	*	11	0.1	35	0.2	21	0.2	7	0.1
Drug-Induced Deaths	0	0.0	0	0.0	5	0.1	59	0.3	78	0.6	5	0.1
Alcohol-Induced Deaths	0	0.0	0	0.0	0	0.0	20	0.1	79	0.6	22	0.4
Work-Related Injury (Y/N Check Death Certificate)	0	0.0	0	0.0	*	*	7	0.0	4	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, 2007**

Cause of Death	N	Rate	Age-Adjusted Rate	Lower Limit	Upper Limit
All Causes	4,118	694.9	776.9	753.8	800.1
Cardiovascular Disease	1,164	196.4	225.3	212.4	238.1
Heart Disease	835	140.9	161.0	150.1	171.9
Cerebrovascular Disease	225	38.0	44.0	38.2	49.7
Atherosclerosis	42	7.1	8.4	5.9	11.0
Malignant Neoplasms	808	136.4	154.5	143.8	165.2
Lung Cancer	200	33.8	39.5	34.0	45.0
Breast Cancer	51	8.6	9.4	6.8	12.0
Chronic Lower Respiratory Diseases	246	41.5	48.8	42.7	55.0
Unintentional Injuries	337	56.9	60.0	53.6	66.5
Motor Vehicle	62	10.5	10.7	8.0	13.4
Other Unintentional Injuries	272	45.9	48.8	43.0	54.6
Pneumonia and Influenza	91	15.4	17.3	13.7	20.8
Suicide	100	16.9	16.6	13.3	19.9
Diabetes Mellitus	80	13.5	15.4	12.0	18.8
HIV Infection	34	5.7	5.6	3.7	7.5
Chronic Liver Disease and Cirrhosis	89	15.0	15.6	12.3	18.9
Alzheimer's Disease	134	22.6	26.4	21.9	30.8
Nephritis, Nephrosis, Nephrotic Syndrome	72	12.2	14.6	11.3	18.0
Homicide and Legal Intervention	52	8.8	8.5	6.2	10.9
Septicemia	48	8.1	9.3	6.6	11.9
Congenital Anomalies	19	3.2	2.7	1.5	3.9
Perinatal Period Conditions	34	5.7	4.3	2.9	5.7
All Other	810	136.7	152.0	141.5	162.5
Injury by Firearm	75	12.7	12.4	9.6	15.3
Drug-Induced Deaths	147	24.8	24.3	20.4	28.3
Alcohol-Induced Deaths	121	20.4	20.9	17.1	24.7
Work-Related Injury (Y/N Check Death Certificate)	13	2.2	2.1	1.0	3.3

** 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 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 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.