

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

Douglas County Births and Deaths 2007

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

Selected birth characteristics: Douglas County residents, 2007

Characteristic	Number	Percent
Total Live Births	4,034	100.0
Age of Mother		
10-17	17	0.4
18-19	56	1.4
20-29	1,476	36.6
30+	2,485	61.6
Low Weight Births (<2,500 Grams)	374	9.3
Very Low Weight Births (<1,500 Grams)	44	1.1
Prenatal Care Later than 1st Trimester/No Care	359	9.0
No Prenatal Care	12	0.3
Preterm Births (<37 Weeks)	464	11.5
Education of Mother <High School Diploma/GED	90	2.3
Live Births to Unmarried Women	276	6.8
Smoking During Pregnancy	86	2.1

"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: Douglas 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	4,034	100.0	17	100.0	56	100.0	1,476	100.0	2,485	100.0
Race/Ethnicity of Mother										
White Non-Hispanic	3,369	84.3	11	64.7	36	64.3	1,215	83.4	2,107	85.4
White Hispanic	315	7.9	5	29.4	18	32.1	138	9.5	154	6.2
Black	42	1.1	0	0.0	*	*	12	0.8	29	1.2
Other	271	6.8	*	*	*	*	91	6.3	178	7.2
Low Weight Births (<2,500 Grams)	374	9.3	0	0.0	*	*	110	7.5	262	10.5
Very Low Weight Births (<1,500 Grams)	44	1.1	0	0.0	0	0.0	14	0.9	30	1.2
Prenatal Care Later than 1st Trimester/No Care	359	9.0	8	50.0	15	27.3	176	12.2	160	6.5
No Prenatal Care	12	0.3	*	*	0	0.0	5	0.3	6	0.2
Preterm Births (<37 Weeks)	464	11.5	*	*	*	*	135	9.1	325	13.1
Education of Mother <High School Diploma/GED	90	2.3	16	94.1	11	20.0	50	3.4	13	0.5
Live Births to Unmarried Women	276	6.8	14	82.4	37	66.1	169	11.4	56	2.3
Smoking During Pregnancy	86	2.1	*	*	6	10.7	46	3.1	33	1.3

"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: Douglas 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	3,369	100.0	315	100.0	42	100.0	222	100.0	8	100.0
Age of Mother										
10-17	11	0.3	5	1.6	0	0.0	*	*	0	0.0
18-19	36	1.1	18	5.7	*	*	*	*	0	0.0
20-29	1,215	36.1	138	43.8	12	28.6	67	30.2	4	50.0
30+	2,107	62.5	154	48.9	29	69.0	153	68.9	4	50.0
Low Weight Births (<2,500 Grams)	302	9.0	28	8.9	5	11.9	28	12.6	*	*
Very Low Weight Births (<1,500 Grams)	35	1.0	*	*	*	*	4	1.8	0	0.0
Prenatal Care Later than 1st Trimester/No Care	268	8.1	45	14.8	8	20.0	27	12.3	3	37.5
No Prenatal Care	6	0.2	4	1.3	0	0.0	*	*	0	0.0
Preterm Births (<37 Weeks)	382	11.3	39	12.4	6	14.3	23	10.4	*	*
Education of Mother <High School Diploma/GED	37	1.1	49	16.1	*	*	*	*	0	0.0
Live Births to Unmarried Women	198	5.9	51	16.2	7	16.7	14	6.3	*	*
Smoking During Pregnancy	75	2.2	6	1.9	3	7.3	*	*	0	0.0

"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 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: Douglas County residents, 2007

Age Group	Births	Population	Fertility Rate	Lower Limit	Upper Limit
All Ages	4,034	63,902	63.1	61.2	65.0
Teen Age Groups					
13-14	*	4,417	*	*	*
15-17	16	6,319	2.5	1.2	3.9
18-19	56	3,916	14.3	10.5	18.1
10-17	17	17,675	1.0	0.5	1.4
10-19	73	21,591	3.4	2.6	4.2
All Age Groups					
10-14	*	11,356	*	*	*
15-19	72	10,235	7.0	5.4	8.7
20-24	358	9,606	37.3	33.4	41.1
25-29	1,118	7,955	140.5	132.8	148.2
30-34	1,442	10,021	143.9	137.0	150.8
35-39	872	12,916	67.5	63.1	71.9
40-49	169	25,128	6.7	5.7	7.8

** 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 for definitions of data items.

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

Vital statistics summary: Douglas County residents, 1997, 2003-2007

	1997	2003	2004	2005	2006	2007	2003-2007 Annual Average
Total Population	129,329	225,146	238,815	250,602	264,648	276,620	251,166
Total Births							
Number	2,376	3,992	4,014	4,177	4,210	4,034	4,085
Birth Rate	18.4	17.7	16.8	16.7	15.9	14.6	16.3
General Fertility Rate	74.4	74.7	71.5	71.5	68.8	63.1	69.7
Age of Mother 10-17							
Number	16	23	26	21	25	17	22
Percent of Total Births	0.7	0.6	0.6	0.5	0.6	0.4	0.5
Fertility Rate	2.1	1.6	1.7	1.3	1.5	1.0	1.4
Low Weight Births (<2,500 Grams)							
Number	180	347	339	351	373	374	357
Percent	7.6	8.7	8.4	8.4	8.9	9.3	8.7
Prenatal Care Later Than 1st Trimester/No Care							
Number	88	222	267	346	283	359	295
Percent	3.8	5.7	6.9	8.7	6.9	9.0	7.5
Births to Unmarried Women							
Number	114	258	293	325	327	276	
Percent	4.8	6.5	7.3	7.8	7.8	6.8	
Mother's Education <12 Years							
Number	50	114	109	117	104	90	
Percent	2.1	2.9	2.7	2.9	2.6	2.2	
Infant Deaths							
Number	6	19	10	18	20	10	15
Rate	2.5	4.8	2.5	4.3	4.8	2.5	3.8
Neonatal Deaths							
Number	6	14	8	12	17	9	12
Rate	2.5	3.5	2.0	2.9	4.0	2.2	2.9
Total Deaths							
Number	336	558	574	651	704	709	639
Crude Rate	259.8	247.8	240.4	259.8	266.0	256.3	254.5
Age-Adjusted Rate	738.8	706.8	676.6	696.4	706.0	684.7	693.8
Cardiovascular Disease							
Number	114	178	172	165	195	170	176
Age-Adjusted Rate	300.9	272.1	251.0	204.6	218.4	176.8	221.0
Heart Disease							
Number	87	133	112	118	142	128	127
Age-Adjusted Rate	227.9	190.4	158.1	145.0	155.6	128.0	153.4

(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: Douglas County residents, 1997, 2003-2007

	1997	2003	2004	2005	2006	2007	2003-2007 Annual Average
Cerebrovascular Disease							
Number	25	32	47	32	38	31	36
Age-Adjusted Rate	67.6	55.1	72.1	39.8	46.2	36.3	48.9
Malignant Neoplasms							
Number	93	149	147	187	188	191	172
Age-Adjusted Rate	169.5	148.8	138.0	169.1	169.6	166.7	159.5
Lung Cancer							
Number	28	28	26	40	48	46	38
Age-Adjusted Rate	51.8	32.9	26.6	38.6	49.4	39.9	38.1
Breast Cancer							
Number	8	17	10	21	18	16	16
Age-Adjusted Rate	11.1	14.1	8.0	17.2	16.8	13.8	14.1
Total Unintentional Injuries							
Number	24	41	43	47	63	42	47
Age-Adjusted Rate	36.5	31.2	23.6	32.4	35.4	25.2	29.5
Motor Vehicle							
Number	9	21	22	19	26	14	20
Age-Adjusted Rate	9.3	12.4	12.3	8.7	10.4	4.7	9.4
Other Unintentional Injuries							
Number	15	20	21	28	37	28	27
Age-Adjusted Rate	27.2	18.9	11.3	23.7	25.0	20.4	20.1
Chronic Lower Respiratory Diseases							
Number	11	32	32	28	33	38	33
Age-Adjusted Rate	25.5	48.7	51.4	39.9	38.6	42.3	43.8
Suicide							
Number	17	17	28	15	28	31	24
Age-Adjusted Rate	12.3	9.2	12.1	6.3	10.4	13.4	10.4
Homicide and Legal Intervention							
Number	0	3	3	4	3	5	4
Age-Adjusted Rate	0.0	1.4	1.2	1.5	1.1	1.8	1.4
Work-Related Injury							
Number	5	*	*	*	3	*	*
Age-Adjusted Rate	3.6	*	*	*	1.5	*	*

HIGHLIGHTED ROWS: Denotes data items collected in 2007, using the revised birth certificate, that are not directly comparable to data collected before 2007. Due to this incomparability, 5-year averages for these data items are not presented in this report. See notes page at end of report for details of these revised data items.

* indicates one or two events in the category.

Birth rates are per 1,000 total population. General fertility rates are births per 1,000 females ages 15-44.

Fertility rates for mothers ages 10-17 are births per 1,000 females of this age group.

Infant and neonatal mortality rates are per 1,000 live births. Other death rates are per 100,000 population.

Age-adjusted rates are adjusted to the 2000 U.S. population using the direct method applied to 10-year age groups.

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

Deaths from selected causes by race/ethnicity: Douglas 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	709	100.0	670	100.0	29	100.0	5	100.0	5	100.0	0	0.0
Cardiovascular Disease	170	24.0	159	23.7	8	27.6	*	*	*	*	0	0.0
Heart Disease	128	18.1	122	18.2	4	13.8	*	*	*	*	0	0.0
Cerebrovascular Disease	31	4.4	27	4.0	3	10.3	0	0.0	*	*	0	0.0
Atherosclerosis	*	*	*	*	*	*	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	191	26.9	183	27.3	6	20.7	*	*	*	*	0	0.0
Lung Cancer	46	6.5	43	6.4	*	*	0	0.0	*	*	0	0.0
Breast Cancer	16	2.3	15	2.2	0	0.0	*	*	0	0.0	0	0.0
Chronic Lower Respiratory Disease	38	5.4	35	5.2	3	10.3	0	0.0	0	0.0	0	0.0
Unintentional Injuries	42	5.9	41	6.1	*	*	0	0.0	0	0.0	0	0.0
Motor Vehicle	14	2.0	13	1.9	*	*	0	0.0	0	0.0	0	0.0
Other Unintentional Injuries	28	3.9	28	4.2	0	0.0	0	0.0	0	0.0	0	0.0
Pneumonia and Influenza	16	2.3	16	2.4	0	0.0	0	0.0	0	0.0	0	0.0
Suicide	31	4.4	27	4.0	3	10.3	0	0.0	*	*	0	0.0
Diabetes Mellitus	14	2.0	13	1.9	*	*	0	0.0	0	0.0	0	0.0
HIV Infection	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	7	1.0	6	0.9	*	*	0	0.0	0	0.0	0	0.0
Alzheimer's Disease	31	4.4	30	4.5	0	0.0	0	0.0	*	*	0	0.0
Nephritis, Nephrosis, Nephrotic Syndrome	11	1.6	10	1.5	0	0.0	*	*	0	0.0	0	0.0
Homicide and Legal Intervention	5	0.7	5	0.7	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	14	2.0	14	2.1	0	0.0	0	0.0	0	0.0	0	0.0
Congenital Anomalies	7	1.0	6	0.9	*	*	0	0.0	0	0.0	0	0.0
Perinatal Period Conditions	4	0.6	*	*	*	*	*	*	0	0.0	0	0.0
All Other	128	18.1	124	18.5	3	10.3	*	*	0	0.0	0	0.0
Injury by Firearm	17	2.4	17	2.5	0	0.0	0	0.0	0	0.0	0	0.0
Drug-Induced Deaths	16	2.3	15	2.2	*	*	0	0.0	0	0.0	0	0.0
Alcohol-Induced Deaths	7	1.0	5	0.7	*	*	*	*	0	0.0	0	0.0
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.

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: Douglas County residents, 2007

Age Group	Deaths	Population	Age-Specific Death Rate
	Age Group	Age Group	Age Group
All Ages	709	276,620	2.6
Infant	10	4,034	2.5
Neonatal	9	4,034	2.2
1-4	*	18,496	*
5-9	7	23,689	0.3
10-14	*	23,099	*
15-19	8	20,746	0.4
20-24	11	19,675	0.6
25-29	10	16,093	0.6
30-34	10	19,284	0.5
35-39	12	25,291	0.5
40-44	17	25,713	0.7
45-49	29	24,073	1.2
50-54	44	18,497	2.4
55-59	42	14,768	2.8
60-64	47	9,639	4.9
65-69	71	4,957	14.3
70-74	57	3,747	15.2
75-79	75	2,419	31.0
80-84	89	1,300	68.5
85+	168	853	197.0
1-14	9	65,284	0.1
15-24	19	40,421	0.5
25-64	211	153,358	1.4
65+	460	13,276	34.6

* 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: Douglas 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	10	2.5	9	0.1	19	0.5	49	0.6	162	2.4	460	34.6
Cardiovascular Disease	0	0.0	*	*	0	0.0	7	0.1	43	0.6	119	9.0
Heart Disease	0	0.0	*	*	0	0.0	5	0.1	35	0.5	87	6.6
Cerebrovascular Disease	0	0.0	0	0.0	0	0.0	0	0.0	6	0.1	25	1.9
Atherosclerosis	0	0.0	0	0.0	0	0.0	*	*	0	0.0	*	*
Malignant Neoplasms	0	0.0	3	0.0	*	*	7	0.1	56	0.8	123	9.3
Lung Cancer	0	0.0	0	0.0	0	0.0	*	*	13	0.2	32	2.4
Breast Cancer	0	0.0	0	0.0	0	0.0	0	0.0	7	0.1	9	0.7
Chronic Lower Respiratory Diseases	0	0.0	0	0.0	0	0.0	*	*	5	0.1	32	2.4
Unintentional Injuries	0	0.0	*	*	6	0.1	12	0.1	10	0.1	12	0.9
Motor Vehicle	0	0.0	*	*	4	0.1	5	0.1	3	0.0	0	0.0
Other Unintentional Injuries	0	0.0	0	0.0	*	*	7	0.1	7	0.1	12	0.9
Pneumonia and Influenza	0	0.0	0	0.0	*	*	0	0.0	*	*	13	1.0
Suicide	0	0.0	0	0.0	5	0.1	10	0.1	13	0.2	3	0.2
Diabetes Mellitus	0	0.0	0	0.0	0	0.0	0	0.0	6	0.1	8	0.6
HIV Infection	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	0	0.0	0	0.0	0	0.0	*	*	3	0.0	*	*
Alzheimer's Disease	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	31	2.3
Nephritis, Nephrosis, Nephrotic Syndrome	0	0.0	0	0.0	0	0.0	0	0.0	*	*	10	0.8
Homicide and Legal Intervention	0	0.0	0	0.0	0	0.0	3	0.0	*	*	0	0.0
Septicemia	0	0.0	0	0.0	*	*	*	*	4	0.1	7	0.5
Congenital Anomalies	3	0.7	*	*	0	0.0	*	*	0	0.0	*	*
Perinatal Period Conditions	4	1.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
All Other	3	0.7	*	*	4	0.1	4	0.0	17	0.3	98	7.4
Injury by Firearm	0	0.0	0	0.0	*	*	*	*	10	0.1	3	0.2
Drug-Induced Deaths	0	0.0	0	0.0	*	*	9	0.1	6	0.1	0	0.0
Alcohol-Induced Deaths	0	0.0	0	0.0	*	*	*	*	3	0.0	*	*
Work-Related Injury (Y/N Check Death Certificate)	0	0.0	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:
Douglas County residents, 2007**

Cause of Death	N	Rate	Age-Adjusted Rate	Lower Limit	Upper Limit
All Causes	709	256.3	684.7	630.1	739.2
Cardiovascular Disease	170	61.5	176.8	146.9	206.7
Heart Disease	128	46.3	128.0	102.8	153.3
Cerebrovascular Disease	31	11.2	36.3	22.2	50.4
Atherosclerosis	*	*	*	*	*
Malignant Neoplasms	191	69.0	166.7	139.5	193.9
Lung Cancer	46	16.6	39.9	26.9	52.9
Breast Cancer	16	5.8	13.8	5.5	22.0
Chronic Lower Respiratory Diseases	38	13.7	42.3	27.6	57.1
Unintentional Injuries	42	15.2	25.2	15.5	34.9
Motor Vehicle	14	5.1	4.7	2.3	7.2
Other Unintentional Injuries	27	9.8	20.1	10.7	29.5
Pneumonia and Influenza	16	5.8	19.0	8.7	29.3
Suicide	31	11.2	13.4	7.6	19.1
Diabetes Mellitus	14	5.1	11.4	4.5	18.3
HIV Infection	0	0.0	0.0	0.0	0.0
Chronic Liver Disease and Cirrhosis	7	2.5	3.7	1.8	6.3
Alzheimer's Disease	31	11.2	46.1	29.6	62.6
Nephritis, Nephrosis, Nephrotic Syndrome	11	4.0	15.6	11.3	20.6
Homicide and Legal Intervention	5	1.8	1.8	0.5	3.7
Septicemia	14	5.1	12.8	4.8	20.7
Congenital Anomalies	7	2.5	3.2	1.4	5.6
Perinatal Period Conditions	4	1.4	1.3	0.3	3.0
All Other	128	46.3	145.5	117.8	173.2
Injury by Firearm	17	6.1	8.4	3.3	13.6
Drug-Induced Deaths	16	5.8	5.3	2.7	8.0
Alcohol-Induced Deaths	7	2.5	2.8	1.2	5.1
Work-Related Injury (Y/N Check Death Certificate)	*	*	*	*	*

** 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.