

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

Mesa County Births and Deaths 2007

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

Selected birth characteristics: Mesa County residents, 2007

Characteristic	Number	Percent
Total Live Births	2,100	100.0
Age of Mother		
10-17	77	3.7
18-19	185	8.8
20-29	1,297	61.8
30+	541	25.8
Low Weight Births (<2,500 Grams)	173	8.2
Very Low Weight Births (<1,500 Grams)	23	1.1
Prenatal Care Later than 1st Trimester/No Care	389	18.6
No Prenatal Care	29	1.4
Preterm Births (<37 Weeks)	177	8.4
Education of Mother <High School Diploma/GED	472	22.5
Live Births to Unmarried Women	471	22.4
Smoking During Pregnancy	438	20.9

"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 for definitions of data items.

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

Selected birth characteristics by age group of mother: Mesa 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	2,100	100.0	77	100.0	185	100.0	1,297	100.0	541	100.0
Race/Ethnicity of Mother										
White Non-Hispanic	1,652	79.1	39	51.3	134	73.6	1,044	80.7	435	80.9
White Hispanic	375	18.0	36	47.4	42	23.1	215	16.6	82	15.2
Black	14	0.7	0	0.0	*	*	8	0.6	5	0.9
Other	48	2.3	*	*	5	2.7	26	2.0	16	3.0
Low Weight Births (<2,500 Grams)	173	8.2	10	13.0	19	10.3	99	7.6	45	8.3
Very Low Weight Births (<1,500 Grams)	23	1.1	*	*	*	*	9	0.7	11	2.0
Prenatal Care Later than 1st Trimester/No Care	389	18.6	20	26.0	47	25.4	250	19.3	72	13.3
No Prenatal Care	29	1.4	3	3.9	*	*	20	1.5	5	0.9
Preterm Births (<37 Weeks)	177	8.4	6	7.8	17	9.2	101	7.8	53	9.8
Education of Mother <High School Diploma/GED	472	22.5	68	89.5	87	47.0	246	19.0	71	13.1
Live Births to Unmarried Women	471	22.4	66	85.7	82	44.3	266	20.5	57	10.5
Smoking During Pregnancy	438	20.9	15	19.5	60	32.4	292	22.5	71	13.1

"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 race/ethnicity of mother: Mesa 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	1,652	100.0	375	100.0	14	100.0	23	100.0	13	100.0
Age of Mother										
10-17	39	2.4	36	9.6	0	0.0	0	0.0	*	*
18-19	134	8.1	42	11.2	*	*	*	*	*	*
20-29	1,044	63.2	215	57.3	8	57.1	12	52.2	8	61.5
30+	435	26.3	82	21.9	5	35.7	9	39.1	*	*
Low Weight Births (<2,500 Grams)	145	8.8	23	6.1	*	*	0	0.0	*	*
Very Low Weight Births (<1,500 Grams)	21	1.3	*	*	0	0.0	0	0.0	0	0.0
Prenatal Care Later than 1st Trimester/No Care	283	17.2	89	23.7	4	28.6	5	21.7	*	*
No Prenatal Care	21	1.3	5	1.3	*	*	0	0.0	0	0.0
Preterm Births (<37 Weeks)	151	9.2	20	5.3	3	21.4	0	0.0	*	*
Education of Mother <High School Diploma/GED	256	15.5	193	51.5	3	21.4	3	13.0	9	69.2
Live Births to Unmarried Women	321	19.4	136	36.3	*	*	3	13.0	3	23.1
Smoking During Pregnancy	386	23.4	40	10.7	5	35.7	*	*	4	30.8

"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 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: Mesa County residents, 2007

Age Group	Births	Population	Fertility Rate	Lower Limit	Upper Limit
All Ages	2,100	28,276	74.3	71.2	77.3
Teen Age Groups					
13-14	3	1,852	1.6	0.3	4.0
15-17	74	2,834	26.1	20.1	32.2
18-19	185	2,435	76.0	65.2	86.7
10-17	77	7,277	10.6	8.2	13.0
10-19	262	9,712	27.0	23.7	30.3
All Age Groups					
10-14	3	4,443	0.7	0.1	1.7
15-19	259	5,269	49.2	43.2	55.1
20-24	654	5,511	118.7	110.0	127.3
25-29	643	4,369	147.2	136.6	157.8
30-34	363	4,284	84.7	76.3	93.2
35-39	145	4,350	33.3	27.9	38.8
40-49	33	9,698	3.4	2.2	4.6

** 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: Mesa County residents, 1997, 2003-2007

	1997	2003	2004	2005	2006	2007	2003-2007 Annual Average
Total Population	109,762	125,104	127,913	130,605	135,298	140,414	131,867
Total Births							
Number	1,396	1,662	1,711	1,819	1,880	2,100	1,834
Birth Rate	12.7	13.3	13.4	13.9	13.9	15.0	13.9
General Fertility Rate	61.1	65.9	66.4	69.4	69.3	74.3	69.2
Age of Mother 10-17							
Number	94	75	69	88	87	77	79
Percent of Total Births	6.7	4.5	4.0	4.8	4.6	3.7	4.3
Fertility Rate	14.8	10.7	9.8	12.6	12.1	10.6	11.1
Low Weight Births (<2,500 Grams)							
Number	110	126	146	141	138	173	145
Percent	7.9	7.6	8.5	7.8	7.3	8.2	7.9
Prenatal Care Later Than 1st Trimester/No Care							
Number	195	257	210	255	292	389	281
Percent	14.1	15.5	12.3	14.0	15.6	18.6	15.3
Births to Unmarried Women							
Number	379	385	390	424	435	471	
Percent	27.1	23.2	22.8	23.3	23.1	22.4	
Mother's Education <12 Years							
Number	300	370	376	373	415	472	
Percent	21.5	22.4	22.1	20.6	22.2	22.5	
Infant Deaths							
Number	12	10	12	6	9	7	9
Rate	8.6	6.0	7.0	3.3	4.8	3.3	4.8
Neonatal Deaths							
Number	7	7	10	3	7	4	6
Rate	5.0	4.2	5.8	1.6	3.7	1.9	3.4
Total Deaths							
Number	1,023	1,232	1,162	1,268	1,268	1,253	1,237
Crude Rate	932.0	984.8	908.4	970.9	937.2	892.4	937.8
Age-Adjusted Rate	836.9	851.8	787.9	839.2	822.6	792.0	818.5
Cardiovascular Disease							
Number	331	404	378	393	420	395	398
Age-Adjusted Rate	266.0	273.9	250.9	256.0	268.0	247.1	259.1
Heart Disease							
Number	264	289	272	277	315	283	287
Age-Adjusted Rate	212.1	196.1	180.5	180.1	200.5	176.9	186.9

(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: Mesa County residents, 1997, 2003-2007

	1997	2003	2004	2005	2006	2007	2003-2007 Annual Average
Cerebrovascular Disease							
Number	63	79	63	80	75	79	75
Age-Adjusted Rate	50.6	53.5	42.1	51.9	48.2	49.3	49.0
Malignant Neoplasms							
Number	237	295	256	288	255	293	277
Age-Adjusted Rate	192.8	201.0	171.9	188.7	163.7	183.1	181.5
Lung Cancer							
Number	68	78	94	89	77	86	85
Age-Adjusted Rate	54.9	52.9	62.2	57.7	48.7	53.6	54.9
Breast Cancer							
Number	22	14	22	22	29	15	20
Age-Adjusted Rate	18.3	9.5	15.3	14.7	18.3	9.2	13.5
Total Unintentional Injuries							
Number	40	37	56	69	67	62	58
Age-Adjusted Rate	35.5	28.3	41.1	49.8	47.4	42.7	42.0
Motor Vehicle							
Number	17	13	19	28	20	22	20
Age-Adjusted Rate	15.6	10.3	13.5	20.7	15.0	14.9	14.9
Other Unintentional Injuries							
Number	23	24	37	41	47	40	38
Age-Adjusted Rate	19.9	18.0	27.6	29.1	32.4	27.8	27.1
Chronic Lower Respiratory Diseases							
Number	68	90	98	95	105	101	98
Age-Adjusted Rate	54.0	60.9	64.7	61.3	66.5	62.2	63.1
Suicide							
Number	13	26	29	27	23	40	29
Age-Adjusted Rate	11.6	20.5	23.2	20.4	16.6	26.5	21.6
Homicide and Legal Intervention							
Number	6	6	3	*	6	3	4
Age-Adjusted Rate	5.3	4.7	2.3	*	4.6	2.4	3.1
Work-Related Injury							
Number	*	*	6	4	4	*	3
Age-Adjusted Rate	*	*	4.3	2.9	3.2	*	2.5

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: Mesa 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	1,253	100.0	1,183	100.0	58	100.0	3	100.0	*	*	6	100.0
Cardiovascular Disease	395	31.5	379	32.0	11	19.0	3	100.0	0	0.0	*	*
Heart Disease	283	22.6	270	22.8	8	13.8	3	100.0	0	0.0	*	*
Cerebrovascular Disease	79	6.3	76	6.4	3	5.2	0	0.0	0	0.0	0	0.0
Atherosclerosis	9	0.7	9	0.8	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	293	23.4	276	23.3	16	27.6	0	0.0	*	*	0	0.0
Lung Cancer	86	6.9	82	6.9	3	5.2	0	0.0	*	*	0	0.0
Breast Cancer	15	1.2	14	1.2	*	*	0	0.0	0	0.0	0	0.0
Chronic Lower Respiratory Disease	101	8.1	97	8.2	4	6.9	0	0.0	0	0.0	0	0.0
Unintentional Injuries	62	4.9	52	4.4	7	12.1	0	0.0	*	*	*	*
Motor Vehicle	22	1.8	19	1.6	*	*	0	0.0	0	0.0	*	*
Other Unintentional Injuries	40	3.2	33	2.8	5	8.6	0	0.0	*	*	*	*
Pneumonia and Influenza	30	2.4	29	2.5	*	*	0	0.0	0	0.0	0	0.0
Suicide	40	3.2	39	3.3	*	*	0	0.0	0	0.0	0	0.0
Diabetes Mellitus	15	1.2	10	0.8	4	6.9	0	0.0	0	0.0	0	0.0
HIV Infection	*	*	*	*	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	16	1.3	16	1.4	0	0.0	0	0.0	0	0.0	0	0.0
Alzheimer's Disease	57	4.5	54	4.6	*	*	0	0.0	0	0.0	*	*
Nephritis, Nephrosis, Nephrotic Syndrome	12	1.0	11	0.9	*	*	0	0.0	0	0.0	0	0.0
Homicide and Legal Intervention	3	0.2	3	0.3	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	8	0.6	8	0.7	0	0.0	0	0.0	0	0.0	0	0.0
Congenital Anomalies	5	0.4	4	0.3	*	*	0	0.0	0	0.0	0	0.0
Perinatal Period Conditions	3	0.2	*	*	*	*	0	0.0	0	0.0	0	0.0
All Other	212	16.9	203	17.2	9	15.5	0	0.0	0	0.0	0	0.0
Injury by Firearm	26	2.1	25	2.1	*	*	0	0.0	0	0.0	0	0.0
Drug-Induced Deaths	22	1.8	20	1.7	*	*	0	0.0	0	0.0	0	0.0
Alcohol-Induced Deaths	19	1.5	17	1.4	*	*	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: Mesa County residents, 2007

Age Group	Deaths	Population	Age-Specific Death Rate
	Age Group	Age Group	Age Group
All Ages	1,253	140,414	8.9
Infant	7	2,100	3.3
Neonatal	4	2,100	1.9
1-4	*	7,550	*
5-9	*	8,878	*
10-14	*	9,045	*
15-19	3	10,610	0.3
20-24	10	11,290	0.9
25-29	10	8,842	1.1
30-34	10	8,613	1.2
35-39	14	8,815	1.6
40-44	20	8,919	2.2
45-49	29	10,214	2.8
50-54	64	10,108	6.3
55-59	67	8,803	7.6
60-64	78	6,557	11.9
65-69	73	5,317	13.7
70-74	116	5,205	22.3
75-79	163	4,403	37.0
80-84	176	2,892	60.9
85+	409	2,461	166.2
1-14	4	25,473	0.2
15-24	13	21,900	0.6
25-64	292	70,871	4.1
65+	937	20,278	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: Mesa 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	7	3.3	4	0.2	13	0.6	54	1.5	238	6.7	937	46.2
Cardiovascular Disease	0	0.0	0	0.0	*	*	6	0.2	55	1.5	332	16.4
Heart Disease	0	0.0	0	0.0	*	*	4	0.1	45	1.3	232	11.4
Cerebrovascular Disease	0	0.0	0	0.0	0	0.0	*	*	9	0.3	69	3.4
Atherosclerosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	9	0.4
Malignant Neoplasms	0	0.0	0	0.0	*	*	7	0.2	82	2.3	202	10.0
Lung Cancer	0	0.0	0	0.0	0	0.0	*	*	22	0.6	62	3.1
Breast Cancer	0	0.0	0	0.0	0	0.0	0	0.0	7	0.2	8	0.4
Chronic Lower Respiratory Diseases	0	0.0	0	0.0	0	0.0	0	0.0	15	0.4	86	4.2
Unintentional Injuries	0	0.0	*	*	8	0.4	16	0.5	14	0.4	22	1.1
Motor Vehicle	0	0.0	*	*	7	0.3	4	0.1	5	0.1	5	0.2
Other Unintentional Injuries	0	0.0	*	*	*	*	12	0.3	9	0.3	17	0.8
Pneumonia and Influenza	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	30	1.5
Suicide	0	0.0	0	0.0	*	*	8	0.2	21	0.6	10	0.5
Diabetes Mellitus	0	0.0	0	0.0	0	0.0	0	0.0	4	0.1	11	0.5
HIV Infection	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	0	0.0	10	0.3	6	0.3
Alzheimer's Disease	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	57	2.8
Nephritis, Nephrosis, Nephrotic Syndrome	0	0.0	0	0.0	0	0.0	0	0.0	*	*	11	0.5
Homicide and Legal Intervention	0	0.0	*	*	0	0.0	*	*	0	0.0	0	0.0
Septicemia	0	0.0	0	0.0	0	0.0	0	0.0	*	*	7	0.3
Congenital Anomalies	3	1.4	0	0.0	0	0.0	0	0.0	0	0.0	*	*
Perinatal Period Conditions	3	1.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
All Other	*	*	*	*	0	0.0	14	0.4	35	1.0	161	7.9
Injury by Firearm	0	0.0	0	0.0	*	*	3	0.1	14	0.4	8	0.4
Drug-Induced Deaths	0	0.0	0	0.0	0	0.0	13	0.4	9	0.3	0	0.0
Alcohol-Induced Deaths	0	0.0	0	0.0	0	0.0	*	*	15	0.4	3	0.1
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:
Mesa County residents, 2007**

Cause of Death	N	Rate	Age-Adjusted Rate	Lower Limit	Upper Limit
All Causes	1,253	892.4	792.0	749.5	834.5
Cardiovascular Disease	395	281.3	247.1	223.1	271.0
Heart Disease	283	201.5	176.9	156.5	197.3
Cerebrovascular Disease	79	56.3	49.3	38.5	60.1
Atherosclerosis	9	6.4	5.6	2.4	10.2
Malignant Neoplasms	293	208.7	183.1	162.1	204.0
Lung Cancer	86	61.2	53.6	42.3	65.0
Breast Cancer	15	10.7	9.2	4.5	13.8
Chronic Lower Respiratory Diseases	101	71.9	62.2	50.1	74.3
Unintentional Injuries	62	44.2	42.7	32.0	53.5
Motor Vehicle	22	15.7	14.9	8.6	21.2
Other Unintentional Injuries	40	28.5	27.8	19.1	36.5
Pneumonia and Influenza	30	21.4	18.8	12.1	25.5
Suicide	40	28.5	26.5	18.2	34.9
Diabetes Mellitus	15	10.7	9.4	4.6	14.1
HIV Infection	*	*	*	*	*
Chronic Liver Disease and Cirrhosis	16	11.4	9.9	5.0	14.7
Alzheimer's Disease	57	40.6	35.7	26.5	44.9
Nephritis, Nephrosis, Nephrotic Syndrome	12	8.5	7.4	3.2	11.7
Homicide and Legal Intervention	3	2.1	2.4	0.5	5.7
Septicemia	8	5.7	4.9	1.9	9.3
Congenital Anomalies	5	3.6	3.4	1.1	7.2
Perinatal Period Conditions	3	2.1	2.2	0.4	5.3
All Other	212	151.0	135.3	117.1	153.5
Injury by Firearm	26	18.5	16.6	10.2	23.0
Drug-Induced Deaths	22	15.7	16.6	9.6	23.7
Alcohol-Induced Deaths	19	13.5	12.0	6.5	17.4
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.