

@ [Ub'County Births and Deaths 20%

Selected birth characteristics: County residents, 20%	2
Selected birth characteristics by age group of mother: County residents, 20%	3
Selected birth characteristics by race/ethnicity of mother: County residents, 20%	4
Live births and fertility rates: County residents, 20%	5
Vital statistics summary: County residents, 8\$\$\$, 200* -20%	6
Deaths from selected causes by race/ethnicity: County residents, 20%	8
Deaths and age-specific death rates: County residents, 20%	9
Deaths and age-specific death rates from selected causes: County residents, 20%	10
Deaths, crude death rates and age-adjusted death rates from selected causes: County residents, 20%	11
Notes Regarding Colorado's Revised Certificate of Live Birth	12

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: Logan County residents, 2010

Characteristic	Number	Percent
Total Live Births	212	100.0
Age of Mother		
10-17	5	2.4
18-19	18	8.5
20-29	144	67.9
30+	45	21.2
Low Weight Births (<2,500 Grams)	14	6.6
Very Low Weight Births (<1,500 Grams)	*	*
Prenatal Care Later than 1st Trimester/No Care	29	13.8
No Prenatal Care	0	0.0
Preterm Births (<37 Weeks)	23	10.8
Education of Mother <High School Diploma/GED	25	11.8
Live Births to Unmarried Women	76	35.8
Smoking During Pregnancy	46	21.7

"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 for definitions of data items.

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

Selected birth characteristics by age group of mother: Logan County residents, 2010

Characteristic	All Ages		10-17		18-19		20-29		30+	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total Live Births	212	100.0	5	100.0	18	100.0	144	100.0	45	100.0
Race/Ethnicity of Mother										
White, Non-Hispanic	164	77.7	3	60.0	14	77.8	111	77.6	36	80.0
White, Hispanic	32	15.2	*	*	*	*	23	16.1	6	13.3
Black	4	1.9	0	0.0	0	0.0	4	2.8	0	0.0
Asian American/Pacific Islander	4	1.9	0	0.0	*	*	*	*	*	*
American Indian/Native Alaskan	3	1.4	*	*	*	*	*	*	0	0.0
Other	4	1.9	0	0.0	0	0.0	*	*	*	*
Unknown	*	*	0	0.0	0	0.0	*	*	0	0.0
Low Weight Births (<2,500 Grams)	14	6.6	*	*	*	*	9	6.3	*	*
Very Low Weight Births (<1,500 Grams)	*	*	0	0.0	0	0.0	*	*	0	0.0
Prenatal Care Later than 1st Trimester/No Care	29	13.8	*	*	3	16.7	22	15.4	3	6.8
No Prenatal Care	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Preterm Births (<37 Weeks)	23	10.8	0	0.0	*	*	17	11.8	5	11.1
Education of Mother <High School Diploma/GED	25	11.8	3	60.0	9	50.0	13	9.0	0	0.0
Live Births to Unmarried Women	76	35.8	5	100.0	14	77.8	51	35.4	6	13.3
Smoking During Pregnancy	46	21.7	3	60.0	5	27.8	34	23.6	4	8.9

"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 for definitions of data items.

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

Selected birth characteristics by race/ethnicity of mother: Logan 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
Total Live Births	164	100.0	32	100.0	4	100.0	4	100.0	3	100.0
Age of Mother										
10-17	3	1.8	*	*	0	0.0	0	0.0	*	*
18-19	14	8.5	*	*	0	0.0	*	*	*	*
20-29	111	67.7	23	71.9	4	100.0	*	*	*	*
30+	36	22.0	6	18.8	0	0.0	*	*	0	0.0
Low Weight Births (<2,500 Grams)	13	7.9	*	*	0	0.0	0	0.0	0	0.0
Very Low Weight Births (<1,500 Grams)	*	*	0	0.0	0	0.0	0	0.0	0	0.0
Prenatal Care Later than 1st Trimester/No Care	21	13.0	6	18.8	0	0.0	0	0.0	0	0.0
No Prenatal Care	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Preterm Births (<37 Weeks)	19	11.6	3	9.4	0	0.0	0	0.0	0	0.0
Education of Mother <High School Diploma/GED	14	8.5	6	18.8	*	*	*	*	0	0.0
Live Births to Unmarried Women	49	29.9	19	59.4	*	*	3	75.0	*	*
Smoking During Pregnancy	37	22.6	7	21.9	0	0.0	0	0.0	*	*

"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 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: Logan County residents, 2010

Age Group	Births	Population	Fertility Rate	Lower Limit	Upper Limit
All Ages	212	3,387	62.6	54.3	70.9
Teen Age Groups					
13-14	*	259	*	*	*
15-17	4	363	11.0	2.9	24.3
18-19	18	338	53.3	27.8	78.7
10-17	5	998	5.0	0.1	9.9
10-19	23	1,336	17.2	9.9	24.6
All Age Groups					
10-14	*	635	*	*	*
15-19	22	701	31.4	17.8	45.0
20-24	66	592	111.5	85.3	137.7
25-29	78	563	138.5	109.1	168.0
30-34	28	511	54.8	34.1	75.5
35-39	15	517	29.0	13.6	44.4
40-49	*	1,216	*	*	*

** 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: Logan County residents, 2000, 2006-2010

	2000	2006	2007	2008	2009	2010	2006-2010 Annual Average
Total Population	20,504	22,267	22,403	22,324	22,517	22,709	22,444
Total Births							
Number	257	249	224	236	237	212	232
Birth Rate	12.5	11.2	10.0	10.6	10.5	9.3	10.3
General Fertility Rate	67.4	68.8	62.6	68.3	69.8	62.6	66.4
Age of Mother 10-17							
Number	15	12	9	11	*	5	8
Percent of Total Births	5.8	4.8	4.0	4.7	*	2.4	3.4
Fertility Rate	12.6	11.5	8.7	10.9	*	5.0	7.7
Low Weight Births (<2,500 Grams)							
Number	15	15	18	20	21	14	18
Percent	5.8	6.0	8.0	8.5	8.9	6.6	7.6
Prenatal Care Later Than 1st Trimester/No Care							
Number	82	70	49	40	34	29	44
Percent	31.9	28.2	22.3	17.1	14.4	13.8	19.3
Births to Unmarried Women							
Number	67	99	70	73	79	76	
Percent	26.1	39.8	31.3	30.9	33.3	35.8	
Mother's Education <12 Years							
Number	42	40	45	42	34	25	
Percent	16.5	16.5	20.2	17.9	14.4	11.8	
Infant Deaths							
Number	3	0	*	*	*	0	*
Rate	11.7	0.0	*	*	*	0.0	*
Neonatal Deaths							
Number	*	0	*	*	*	0	*
Rate	*	0.0	*	*	*	0.0	*
Total Deaths							
Number	188	187	190	200	199	179	191
Crude Rate	916.9	839.8	848.1	895.9	883.8	788.2	851.0
Age-Adjusted Rate	796.3	732.1	716.5	732.2	708.7	613.3	699.7
Cardiovascular Disease							
Number	80	54	84	63	64	54	64
Age-Adjusted Rate	328.6	209.1	309.4	212.7	205.2	166.4	220.7
Heart Disease							
Number	56	40	57	51	49	39	47
Age-Adjusted Rate	228.5	157.8	215.1	171.6	156.2	123.2	165.2

(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: Logan County residents, 2000, 2006-2010

	2000	2006	2007	2008	2009	2010	2006-2010 Annual Average
Cerebrovascular Disease							
Number	18	8	19	11	12	12	12
Age-Adjusted Rate	74.9	28.3	67.8	36.9	38.1	35.3	41.3
Malignant Neoplasms							
Number	35	48	38	52	44	39	44
Age-Adjusted Rate	149.9	195.1	147.1	197.5	162.6	149.5	170.0
Lung Cancer							
Number	9	14	12	10	10	7	11
Age-Adjusted Rate	40.4	56.4	48.0	36.9	37.0	26.9	40.8
Breast Cancer							
Number	*	3	3	*	0	5	*
Age-Adjusted Rate	*	12.1	12.3	*	0.0	18.5	*
Total Unintentional Injuries							
Number	8	12	10	9	9	10	10
Age-Adjusted Rate	35.0	49.4	39.6	37.5	35.8	34.8	39.3
Motor Vehicle							
Number	4	3	*	3	5	*	*
Age-Adjusted Rate	18.2	14.7	*	12.9	20.9	*	*
Other Unintentional Injuries							
Number	4	9	8	6	4	9	7
Age-Adjusted Rate	16.8	34.7	32.0	24.6	15.0	29.2	27.0
Chronic Lower Respiratory Diseases							
Number	13	14	7	14	15	12	12
Age-Adjusted Rate	55.1	55.3	25.7	51.5	56.6	44.7	46.6
Suicide							
Number	3	*	*	3	*	5	*
Age-Adjusted Rate	14.2	*	*	13.5	*	19.6	*
Homicide and Legal Intervention							
Number	0	*	0	0	0	*	*
Age-Adjusted Rate	0.0	*	0.0	0.0	0.0	*	*
Work-Related Injury							
Number	*	*	0	0	0	0	*
Age-Adjusted Rate	*	*	0.0	0.0	0.0	0.0	*

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: Logan 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	%
Total	179	100.0	168	100.0	10	100.0	*	*	0	0.0	0	0.0
Cardiovascular Disease	54	30.2	50	29.8	4	40.0	0	0.0	0	0.0	0	0.0
Heart Disease	39	21.8	37	22.0	*	*	0	0.0	0	0.0	0	0.0
Cerebrovascular Disease	12	6.7	10	6.0	*	*	0	0.0	0	0.0	0	0.0
Atherosclerosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	39	21.8	35	20.8	3	30.0	*	*	0	0.0	0	0.0
Lung Cancer	7	3.9	7	4.2	0	0.0	0	0.0	0	0.0	0	0.0
Breast Cancer	5	2.8	4	2.4	*	*	0	0.0	0	0.0	0	0.0
Chronic Lower Respiratory Disease	12	6.7	12	7.1	0	0.0	0	0.0	0	0.0	0	0.0
Unintentional Injuries	10	5.6	9	5.4	*	*	0	0.0	0	0.0	0	0.0
Motor Vehicle	*	*	0	0.0	*	*	0	0.0	0	0.0	0	0.0
Other Unintentional Injuries	9	5.0	9	5.4	0	0.0	0	0.0	0	0.0	0	0.0
Pneumonia and Influenza	3	1.7	3	1.8	0	0.0	0	0.0	0	0.0	0	0.0
Suicide	5	2.8	5	3.0	0	0.0	0	0.0	0	0.0	0	0.0
Diabetes Mellitus	7	3.9	6	3.6	*	*	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	*	*	*	*	0	0.0	0	0.0	0	0.0	0	0.0
Alzheimer's Disease	*	*	*	*	0	0.0	0	0.0	0	0.0	0	0.0
Nephritis, Nephrosis, Nephrotic Syndrome	3	1.7	3	1.8	0	0.0	0	0.0	0	0.0	0	0.0
Homicide and Legal Intervention	*	*	*	*	*	*	0	0.0	0	0.0	0	0.0
Septicemia	*	*	*	*	0	0.0	0	0.0	0	0.0	0	0.0
Congenital Anomalies	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Perinatal Period Conditions	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
All Other	39	21.8	39	23.2	0	0.0	0	0.0	0	0.0	0	0.0
Injury by Firearm	4	2.2	4	2.4	0	0.0	0	0.0	0	0.0	0	0.0
Drug-Induced Deaths	*	*	*	*	0	0.0	0	0.0	0	0.0	0	0.0
Alcohol-Induced Deaths	*	*	*	*	0	0.0	0	0.0	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	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: Logan County residents, 2010

Age Group	Deaths	Population	Age-Specific Death Rate
	Age Group	Age Group	Age Group
All Ages	179	22,709	7.9
Infant	0	212	0.0
Neonatal	0	212	0.0
1-4	*	954	*
5-9	0	1,224	0.0
10-14	*	1,326	*
15-19	0	1,695	0.0
20-24	0	1,670	0.0
25-29	3	1,750	1.7
30-34	0	1,516	0.0
35-39	*	1,479	*
40-44	3	1,417	2.1
45-49	6	1,689	3.6
50-54	6	1,749	3.4
55-59	7	1,493	4.7
60-64	16	1,202	13.3
65-69	11	893	12.3
70-74	10	726	13.8
75-79	22	626	35.1
80-84	19	483	39.3
85+	72	593	121.4
1-14	*	3,504	*
15-24	0	3,365	0.0
25-64	43	12,295	3.5
65+	134	3,321	40.3

* 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: Logan 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	0	0.0	*	*	0	0.0	8	1.3	35	5.7	134	40.3
Cardiovascular Disease	0	0.0	0	0.0	0	0.0	*	*	8	1.3	45	13.6
Heart Disease	0	0.0	0	0.0	0	0.0	*	*	4	0.7	34	10.2
Cerebrovascular Disease	0	0.0	0	0.0	0	0.0	0	0.0	4	0.7	8	2.4
Atherosclerosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	0	0.0	0	0.0	0	0.0	*	*	9	1.5	28	8.4
Lung Cancer	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	7	2.1
Breast Cancer	0	0.0	0	0.0	0	0.0	0	0.0	3	0.5	*	*
Chronic Lower Respiratory Diseases	0	0.0	0	0.0	0	0.0	0	0.0	3	0.5	9	2.7
Unintentional Injuries	0	0.0	0	0.0	0	0.0	*	*	*	*	8	2.4
Motor Vehicle	0	0.0	0	0.0	0	0.0	*	*	0	0.0	0	0.0
Other Unintentional Injuries	0	0.0	0	0.0	0	0.0	0	0.0	*	*	8	2.4
Pneumonia and Influenza	0	0.0	0	0.0	0	0.0	0	0.0	*	*	*	*
Suicide	0	0.0	*	*	0	0.0	*	*	3	0.5	0	0.0
Diabetes Mellitus	0	0.0	0	0.0	0	0.0	*	*	*	*	4	1.2
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	*	*	0	0.0
Alzheimer's Disease	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	*	*
Nephritis, Nephrosis, Nephrotic Syndrome	0	0.0	0	0.0	0	0.0	0	0.0	*	*	*	*
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	0	0.0	*	*
Congenital Anomalies	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Perinatal Period Conditions	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
All Other	0	0.0	0	0.0	0	0.0	*	*	5	0.8	33	9.9
Injury by Firearm	0	0.0	0	0.0	0	0.0	*	*	3	0.5	0	0.0
Drug-Induced Deaths	0	0.0	0	0.0	0	0.0	0	0.0	*	*	*	*
Alcohol-Induced Deaths	0	0.0	0	0.0	0	0.0	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	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:
Logan County residents, 2010**

Cause of Death	N	Rate	Age-Adjusted Rate	Lower Limit	Upper Limit
All Causes	179	788.2	613.3	523.0	703.6
Cardiovascular Disease	54	237.8	166.4	121.6	211.2
Heart Disease	39	171.7	123.2	83.9	162.6
Cerebrovascular Disease	12	52.8	35.3	15.2	55.4
Atherosclerosis	0	0.0	0.0	0.0	0.0
Malignant Neoplasms	39	171.7	149.5	102.3	196.7
Lung Cancer	7	30.8	26.9	9.8	52.5
Breast Cancer	5	22.0	18.5	5.0	40.4
Chronic Lower Respiratory Diseases	12	52.8	44.7	19.2	70.3
Unintentional Injuries	10	44.0	34.8	14.8	63.3
Motor Vehicle	*	*	*	*	*
Other Unintentional Injuries	9	39.6	29.2	11.2	55.6
Pneumonia and Influenza	3	13.2	9.9	1.2	27.1
Suicide	5	22.0	19.6	5.6	42.0
Diabetes Mellitus	7	30.8	24.7	8.5	49.3
HIV Infection	*	*	*	*	*
Chronic Liver Disease and Cirrhosis	*	*	*	*	*
Alzheimer's Disease	*	*	*	*	*
Nephritis, Nephrosis, Nephrotic Syndrome	3	13.2	11.4	1.7	29.4
Homicide and Legal Intervention	*	*	*	*	*
Septicemia	*	*	*	*	*
Congenital Anomalies	0	0.0	0.0	0.0	0.0
Perinatal Period Conditions	0	0.0	0.0	0.0	0.0
All Other	39	171.7	126.0	85.9	166.1
Injury by Firearm	4	17.6	13.9	2.7	33.5
Drug-Induced Deaths	*	*	*	*	*
Alcohol-Induced Deaths	*	*	*	*	*
Work-Related Injury (Y/N Check Death Certificate)	0	0.0	0.0	0.0	0.0

** 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.