

Larimer County Births and Deaths 2009

Selected birth characteristics: County residents, 2009	2
Selected birth characteristics by age group of mother: County residents, 2009	3
Selected birth characteristics by race/ethnicity of mother: County residents, 2009	4
Live births and fertility rates: County residents, 2009	5
Vital statistics summary: County residents, 1999, 2005-2009	6
Deaths from selected causes by race/ethnicity: County residents, 2009	8
Deaths and age-specific death rates: County residents, 2009	9
Deaths and age-specific death rates from selected causes: County residents, 2009	10
Deaths, crude death rates and age-adjusted death rates from selected causes: County residents, 2009	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: Larimer County residents, 2009

Characteristic	Number	Percent
Total Live Births	3,502	100.0
Age of Mother		
10-17	75	2.1
18-19	181	5.2
20-29	1,744	49.8
30+	1,501	42.9
Low Weight Births (<2,500 Grams)	291	8.3
Very Low Weight Births (<1,500 Grams)	32	0.9
Prenatal Care Later than 1st Trimester/No Care	508	14.6
No Prenatal Care	27	0.8
Preterm Births (<37 Weeks)	322	9.2
Education of Mother <High School Diploma/GED	448	12.9
Live Births to Unmarried Women	874	25.0
Smoking During Pregnancy	315	9.0

"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: Larimer County residents, 2009

Characteristic	All Ages		10-17		18-19		20-29		30+	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total Live Births	3,502	100.0	75	100.0	181	100.0	1,744	100.0	1,501	100.0
Race/Ethnicity of Mother										
White, Non-Hispanic	2,725	78.0	39	52.0	101	55.8	1,353	77.9	1,232	82.2
White, Hispanic	603	17.3	35	46.7	74	40.9	317	18.2	176	11.7
Black	28	0.8	0	0.0	*	*	17	1.0	10	0.7
Asian American/Pacific Islander	113	3.2	0	0.0	*	*	36	2.1	75	5.0
American Indian/Native Alaskan	21	0.6	*	*	3	1.7	12	0.7	5	0.3
Other	3	0.1	0	0.0	0	0.0	*	*	*	*
Unknown	9		0	0.0	0	0.0	7		*	*
Low Weight Births (<2,500 Grams)	291	8.3	8	10.7	13	7.2	143	8.2	127	8.5
Very Low Weight Births (<1,500 Grams)	32	0.9	3	4.0	0	0.0	15	0.9	14	0.9
Prenatal Care Later than 1st Trimester/No Care	508	14.6	28	37.8	49	27.4	296	17.0	135	9.0
No Prenatal Care	27	0.8	*	*	0	0.0	13	0.7	12	0.8
Preterm Births (<37 Weeks)	322	9.2	10	13.3	16	8.8	141	8.1	155	10.3
Education of Mother <High School Diploma/GED	448	12.9	64	86.5	68	37.8	227	13.1	89	5.9
Live Births to Unmarried Women	874	25.0	70	93.3	149	82.3	513	29.4	142	9.5
Smoking During Pregnancy	315	9.0	13	17.3	38	21.0	195	11.2	69	4.6

"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.

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: Larimer County residents, 2009

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	2,725	100.0	603	100.0	28	100.0	113	100.0	21	100.0
Age of Mother										
10-17	39	1.4	35	5.8	0	0.0	0	0.0	*	*
18-19	101	3.7	74	12.3	*	*	*	*	3	14.3
20-29	1,353	49.7	317	52.6	17	60.7	36	31.9	12	57.1
30+	1,232	45.2	176	29.2	10	35.7	75	66.4	5	23.8
Low Weight Births (<2,500 Grams)	224	8.2	49	8.1	4	14.3	11	9.7	*	*
Very Low Weight Births (<1,500 Grams)	28	1.0	4	0.7	0	0.0	0	0.0	0	0.0
Prenatal Care Later than 1st Trimester/No Care	329	12.1	148	24.6	6	21.4	17	15.0	7	33.3
No Prenatal Care	21	0.8	6	1.0	0	0.0	0	0.0	0	0.0
Preterm Births (<37 Weeks)	245	9.0	62	10.3	*	*	11	9.7	*	*
Education of Mother <High School Diploma/GED	170	6.3	270	45.2	*	*	3	2.7	3	14.3
Live Births to Unmarried Women	559	20.5	282	46.8	11	39.3	9	8.0	11	52.4
Smoking During Pregnancy	259	9.5	47	7.8	*	*	*	*	6	28.6

"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: Larimer County residents, 2009

Age Group	Births	Population	Fertility Rate	Lower Limit	Upper Limit
All Ages	3,502	65,506	53.5	51.7	55.2
Teen Age Groups					
13-14	3	3,465	0.9	0.2	2.1
15-17	72	5,394	13.3	10.2	16.5
18-19	181	6,181	29.3	25.0	33.6
10-17	75	13,886	5.4	4.1	6.7
10-19	256	20,067	12.8	11.2	14.3
All Age Groups					
10-14	3	8,492	0.4	0.1	0.9
15-19	253	11,575	21.9	19.2	24.6
20-24	654	13,281	49.2	45.5	53.0
25-29	1,090	9,622	113.3	106.9	119.7
30-34	976	11,188	87.2	82.0	92.5
35-39	411	10,392	39.5	35.8	43.3
40-49	114	20,441	5.6	4.5	6.6

** 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: Larimer County residents, 1999, 2005-2009

	1999	2005	2006	2007	2008	2009	2005-2009 Annual Average
Total Population	246,158	276,808	282,169	288,094	293,955	299,282	288,062
Total Births							
Number	3,144	3,446	3,542	3,471	3,491	3,502	3,490
Birth Rate	12.8	12.4	12.6	12.0	11.9	11.7	12.1
General Fertility Rate	52.9	55.0	56.0	54.1	53.8	53.5	54.5
Age of Mother 10-17							
Number	92	94	91	74	74	75	82
Percent of Total Births	2.9	2.7	2.6	2.1	2.1	2.1	2.3
Fertility Rate	6.9	6.7	6.5	5.3	5.3	5.4	5.8
Low Weight Births (<2,500 Grams)							
Number	257	274	282	268	246	291	272
Percent	8.2	8.0	8.0	7.7	7.0	8.3	7.8
Prenatal Care Later Than 1st Trimester/No Care							
Number	561	743	720	684	629	508	657
Percent	18.0	21.6	20.6	19.9	18.1	14.6	18.9
Births to Unmarried Women							
Number	716	877	951	835	837	874	
Percent	22.8	25.4	26.8	24.1	24.0	25.0	
Mother's Education <12 Years							
Number	403	485	474	480	453	448	
Percent	13.0	14.2	13.5	13.9	13.0	12.9	
Infant Deaths							
Number	14	22	16	12	22	15	17
Rate	4.5	6.4	4.5	3.5	6.3	4.3	5.0
Neonatal Deaths							
Number	9	16	14	7	17	13	13
Rate	2.9	4.6	4.0	2.0	4.9	3.7	3.8
Total Deaths							
Number	1,417	1,551	1,501	1,615	1,709	1,722	1,620
Crude Rate	575.6	560.3	532.0	560.6	581.4	575.4	562.2
Age-Adjusted Rate	729.7	667.5	620.6	643.0	653.3	633.3	643.1
Cardiovascular Disease							
Number	477	496	451	510	512	517	497
Age-Adjusted Rate	253.7	223.3	193.8	208.3	200.0	194.9	203.6
Heart Disease							
Number	354	349	307	335	357	364	342
Age-Adjusted Rate	187.8	156.6	131.1	135.6	138.4	136.0	139.3

(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: Larimer County residents, 1999, 2005-2009

	1999	2005	2006	2007	2008	2009	2005-2009 Annual Average
Cerebrovascular Disease							
Number	88	96	99	119	115	114	109
Age-Adjusted Rate	47.0	43.6	43.0	49.3	45.9	43.8	45.2
Malignant Neoplasms							
Number	334	359	393	386	372	404	383
Age-Adjusted Rate	170.7	149.5	160.5	150.7	136.8	145.8	148.3
Lung Cancer							
Number	76	95	82	82	79	90	86
Age-Adjusted Rate	39.7	39.9	33.6	32.6	28.8	32.1	33.2
Breast Cancer							
Number	28	26	24	26	26	31	27
Age-Adjusted Rate	13.7	10.5	9.6	10.0	9.3	11.1	10.1
Total Unintentional Injuries							
Number	76	96	99	101	103	98	99
Age-Adjusted Rate	33.1	36.0	36.5	35.9	36.4	33.3	35.6
Motor Vehicle							
Number	29	32	32	31	22	28	29
Age-Adjusted Rate	11.4	10.6	10.9	10.9	7.8	9.4	9.9
Other Unintentional Injuries							
Number	47	64	67	70	81	70	70
Age-Adjusted Rate	21.7	25.4	25.6	25.1	28.6	23.9	25.7
Chronic Lower Respiratory Diseases							
Number	80	69	69	86	101	80	81
Age-Adjusted Rate	43.1	30.5	29.2	35.4	40.0	31.0	33.3
Suicide							
Number	28	51	48	34	37	58	46
Age-Adjusted Rate	10.7	18.2	15.8	11.6	12.7	18.5	15.3
Homicide and Legal Intervention							
Number	8	7	7	3	7	11	7
Age-Adjusted Rate	3.1	2.5	2.4	1.0	2.2	3.4	2.3
Work-Related Injury							
Number	*	*	3	6	3	3	3
Age-Adjusted Rate	*	*	0.9	2.1	1.0	1.0	1.1

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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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: Larimer County residents, 2009

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	1,722	100.0	1,601	100.0	88	100.0	6	100.0	11	100.0	11	100.0
Cardiovascular Disease	517	30.0	484	30.2	27	30.7	*	*	*	*	3	27.3
Heart Disease	364	21.1	342	21.4	18	20.5	0	0.0	*	*	3	27.3
Cerebrovascular Disease	114	6.6	104	6.5	9	10.2	0	0.0	*	*	0	0.0
Atherosclerosis	13	0.8	12	0.7	0	0.0	*	*	0	0.0	0	0.0
Malignant Neoplasms	404	23.5	390	24.4	9	10.2	*	*	*	*	0	0.0
Lung Cancer	90	5.2	90	5.6	0	0.0	0	0.0	0	0.0	0	0.0
Breast Cancer	31	1.8	30	1.9	*	*	0	0.0	0	0.0	0	0.0
Chronic Lower Respiratory Disease	80	4.6	77	4.8	*	*	*	*	0	0.0	0	0.0
Unintentional Injuries	98	5.7	86	5.4	6	6.8	*	*	*	*	*	*
Motor Vehicle	28	1.6	22	1.4	*	*	0	0.0	*	*	*	*
Other Unintentional Injuries	70	4.1	64	4.0	4	4.5	*	*	0	0.0	0	0.0
Pneumonia and Influenza	34	2.0	31	1.9	*	*	0	0.0	*	*	0	0.0
Suicide	58	3.4	52	3.2	4	4.5	0	0.0	*	*	0	0.0
Diabetes Mellitus	34	2.0	27	1.7	7	8.0	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	23	1.3	20	1.2	3	3.4	0	0.0	0	0.0	0	0.0
Alzheimer's Disease	73	4.2	72	4.5	*	*	0	0.0	0	0.0	0	0.0
Nephritis, Nephrosis, Nephrotic Syndrome	30	1.7	24	1.5	3	3.4	*	*	*	*	0	0.0
Homicide and Legal Intervention	11	0.6	8	0.5	3	3.4	0	0.0	0	0.0	0	0.0
Septicemia	8	0.5	7	0.4	*	*	0	0.0	0	0.0	0	0.0
Congenital Anomalies	13	0.8	10	0.6	*	*	0	0.0	*	*	0	0.0
Perinatal Period Conditions	6	0.3	6	0.4	0	0.0	0	0.0	0	0.0	0	0.0
All Other	331	19.2	305	19.1	18	20.5	0	0.0	*	*	6	54.5
Injury by Firearm	32	1.9	31	1.9	*	*	0	0.0	0	0.0	0	0.0
Drug-Induced Deaths	42	2.4	35	2.2	4	4.5	0	0.0	0	0.0	*	*
Alcohol-Induced Deaths	21	1.2	20	1.2	*	*	0	0.0	0	0.0	0	0.0
Work-Related Injury (Y/N Check Death Certificate)	3	0.2	3	0.2	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: Larimer County residents, 2009

Age Group	Deaths	Population	Age-Specific Death Rate
	Age Group	Age Group	Age Group
All Ages	1,722	299,282	5.8
Infant	15	3,502	4.3
Neonatal	13	3,502	3.7
1-4	*	14,433	*
5-9	0	17,955	0.0
10-14	*	17,480	*
15-19	9	23,269	0.4
20-24	19	27,802	0.7
25-29	24	19,255	1.2
30-34	18	23,319	0.8
35-39	22	21,988	1.0
40-44	29	19,144	1.5
45-49	50	21,752	2.3
50-54	78	22,477	3.5
55-59	92	19,822	4.6
60-64	90	14,894	6.0
65-69	118	8,859	13.3
70-74	135	8,069	16.7
75-79	157	6,727	23.3
80-84	244	4,572	53.4
85+	618	3,959	156.1
1-14	4	49,868	0.1
15-24	28	51,071	0.5
25-64	403	162,651	2.5
65+	1,272	32,186	39.5

* 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: Larimer County residents, 2009

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	15	4.3	4	0.1	28	0.5	93	1.1	310	3.9	1,272	39.5
Cardiovascular Disease	*	*	0	0.0	*	*	7	0.1	64	0.8	443	13.8
Heart Disease	0	0.0	0	0.0	*	*	4	0.0	55	0.7	303	9.4
Cerebrovascular Disease	*	*	0	0.0	0	0.0	*	*	7	0.1	105	3.3
Atherosclerosis	0	0.0	0	0.0	0	0.0	0	0.0	*	*	12	0.4
Malignant Neoplasms	0	0.0	*	*	*	*	12	0.1	104	1.3	286	8.9
Lung Cancer	0	0.0	0	0.0	0	0.0	*	*	26	0.3	62	1.9
Breast Cancer	0	0.0	0	0.0	0	0.0	3	0.0	9	0.1	19	0.6
Chronic Lower Respiratory Diseases	0	0.0	0	0.0	0	0.0	0	0.0	4	0.1	76	2.4
Unintentional Injuries	0	0.0	*	*	8	0.2	20	0.2	31	0.4	37	1.1
Motor Vehicle	0	0.0	*	*	*	*	7	0.1	11	0.1	7	0.2
Other Unintentional Injuries	0	0.0	*	*	6	0.1	13	0.2	20	0.3	30	0.9
Pneumonia and Influenza	0	0.0	0	0.0	0	0.0	*	*	5	0.1	28	0.9
Suicide	0	0.0	*	*	10	0.2	21	0.3	20	0.3	6	0.2
Diabetes Mellitus	0	0.0	0	0.0	0	0.0	0	0.0	4	0.1	30	0.9
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	3	0.0	16	0.2	4	0.1
Alzheimer's Disease	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	73	2.3
Nephritis, Nephrosis, Nephrotic Syndrome	0	0.0	0	0.0	0	0.0	*	*	*	*	28	0.9
Homicide and Legal Intervention	0	0.0	0	0.0	3	0.1	6	0.1	*	*	0	0.0
Septicemia	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	8	0.2
Congenital Anomalies	7	2.0	0	0.0	0	0.0	*	*	*	*	*	*
Perinatal Period Conditions	6	1.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
All Other	*	*	0	0.0	4	0.1	18	0.2	57	0.7	251	7.8
Injury by Firearm	0	0.0	*	*	7	0.1	14	0.2	9	0.1	*	*
Drug-Induced Deaths	0	0.0	0	0.0	6	0.1	15	0.2	19	0.2	*	*
Alcohol-Induced Deaths	0	0.0	0	0.0	0	0.0	3	0.0	17	0.2	*	*
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:
Larimer County residents, 2009**

Cause of Death	N	Rate	Age-Adjusted Rate	Lower Limit	Upper Limit
All Causes	1,722	575.4	633.3	604.3	662.4
Cardiovascular Disease	517	172.7	194.9	178.3	211.4
Heart Disease	364	121.6	136.0	122.1	149.9
Cerebrovascular Disease	114	38.1	43.8	35.8	51.8
Atherosclerosis	13	4.3	5.0	2.3	7.7
Malignant Neoplasms	404	135.0	145.8	131.5	160.2
Lung Cancer	90	30.1	32.1	25.3	38.8
Breast Cancer	31	10.4	11.1	7.2	15.1
Chronic Lower Respiratory Diseases	80	26.7	31.0	24.2	37.7
Unintentional Injuries	98	32.7	33.3	26.6	40.0
Motor Vehicle	28	9.4	9.4	5.8	12.9
Other Unintentional Injuries	70	23.4	23.9	18.3	29.6
Pneumonia and Influenza	34	11.4	12.8	8.5	17.1
Suicide	58	19.4	18.5	13.7	23.4
Diabetes Mellitus	34	11.4	12.9	8.5	17.2
HIV Infection	*	*	*	*	*
Chronic Liver Disease and Cirrhosis	23	7.7	7.2	4.2	10.2
Alzheimer's Disease	73	24.4	28.7	22.1	35.2
Nephritis, Nephrosis, Nephrotic Syndrome	30	10.0	11.7	7.5	15.9
Homicide and Legal Intervention	11	3.7	3.4	1.7	5.9
Septicemia	8	2.7	3.1	1.5	5.5
Congenital Anomalies	13	4.3	4.8	2.2	7.4
Perinatal Period Conditions	6	2.0	2.4	0.9	4.4
All Other	331	110.6	122.0	108.9	135.1
Injury by Firearm	32	10.7	9.9	6.5	13.4
Drug-Induced Deaths	42	14.0	13.1	9.1	17.1
Alcohol-Induced Deaths	21	7.0	6.3	3.6	9.1
Work-Related Injury (Y/N Check Death Certificate)	3	1.0	1.0	0.1	2.7

** 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.