

Larimer County Births and Deaths 2013

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For more information about these tables, please contact the Health Statistics and Evaluation Branch of the Colorado Department of Public Health and Environment by telephone at **(303) 692-2160** or by email at cdphe.healthstatistics@state.co.us.

Selected birth characteristics: Larimer County residents, 2013

Characteristic	Number	Percent
Total Live Births	3,385	100.0
Age of Mother		
10-17	50	1.5
18-19	140	4.1
20-29	1,504	44.4
30+	1,691	50.0
Low Weight Births (<2,500 Grams)	244	7.2
Very Low Weight Births (<1,500 Grams)	41	1.2
Prenatal Care Later than 1st Trimester/No Care	551	16.4
No Prenatal Care	87	2.6
Preterm Births (<37 Weeks)	246	7.3
Education of Mother <High School Diploma/GED	311	9.2
Live Births to Unmarried Women	735	21.7
Smoking During Pregnancy	194	5.7

"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 Regarding Colorado Revised Certificate of Live Birth" at end of report for details.

** 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.

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

Selected birth characteristics by age group of mother: Larimer County residents, 2013

Characteristic	All Ages		10-17		18-19		20-29		30+	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total Live Births	3,385	100.0	50	100.0	140	100.0	1,504	100.0	1,691	100.0
Race/Ethnicity of Mother										
White, Non-Hispanic	2,660	78.9	26	52.0	88	64.2	1,152	76.9	1,394	82.7
White, Hispanic	495	14.7	20	40.0	41	29.9	260	17.4	174	10.3
Black	49	1.5	*	*	*	*	24	1.6	22	1.3
Asian American/Pacific Islander	114	3.4	0	0.0	*	*	38	2.5	75	4.5
American Indian/Native Alaskan	19	0.6	0	0.0	*	*	11	0.7	7	0.4
Other	33	1.0	3	6.0	4	2.9	13	0.9	13	0.8
Unknown	15		0	0.0	3		6		6	
Low Weight Births (<2,500 Grams)	244	7.2	5	10.0	13	9.3	111	7.4	115	6.8
Very Low Weight Births (<1,500 Grams)	41	1.2	*	*	4	2.9	19	1.3	16	0.9
Prenatal Care Later than 1st Trimester/No Care	551	16.4	22	44.0	43	30.9	254	17.0	232	13.8
No Prenatal Care	87	2.6	3	6.0	4	2.9	48	3.2	32	1.9
Preterm Births (<37 Weeks)	246	7.3	9	18.0	14	10.0	92	6.1	131	7.7
Education of Mother <High School Diploma/GED	311	9.2	39	78.0	52	37.1	126	8.4	94	5.6
Live Births to Unmarried Women	735	21.7	43	86.0	103	73.6	420	27.9	169	10.0
Smoking During Pregnancy	194	5.7	5	10.0	23	16.4	107	7.1	59	3.5

"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 Regarding Colorado Revised Certificate of Live Birth" at end of report for details.

** 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.

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

Selected birth characteristics by race/ethnicity of mother: Larimer County residents, 2013

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	2,660	100.0	495	100.0	49	100.0	114	100.0	19	100.0
Age of Mother										
10-17	26	1.0	20	4.0	*	*	0	0.0	0	0.0
18-19	88	3.3	41	8.3	*	*	*	*	*	*
20-29	1,152	43.3	260	52.5	24	49.0	38	33.3	11	57.9
30+	1,394	52.4	174	35.2	22	44.9	75	65.8	7	36.8
Low Weight Births (<2,500 Grams)	180	6.8	37	7.5	7	14.3	10	8.8	*	*
Very Low Weight Births (<1,500 Grams)	22	0.8	9	1.8	3	6.1	*	*	0	0.0
Prenatal Care Later than 1st Trimester/No Care	371	14.0	128	26.0	10	21.3	18	15.8	7	36.8
No Prenatal Care	52	2.0	28	5.7	0	0.0	5	4.4	*	*
Preterm Births (<37 Weeks)	182	6.8	38	7.7	7	14.3	9	7.9	*	*
Education of Mother <High School Diploma/GED	121	4.6	163	32.9	*	*	3	2.6	*	*
Live Births to Unmarried Women	483	18.2	196	39.6	18	36.7	11	9.6	11	57.9
Smoking During Pregnancy	156	5.9	26	5.3	*	*	0	0.0	3	15.8

"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 Regarding Colorado Revised Certificate of Live Birth" at end of report for details.

** 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.

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

Selected birth characteristics by area-based poverty status of mother's residence: Larimer County residents, 2013

Characteristic	<10%		10-19.9%		20-29.9%		30%+		Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total Live Births	1,569	100.0	1,167	100.0	228	100.0	370	100.0	51	100.0
Race/Ethnicity of Mother										
White, Non-Hispanic	1,291	82.5	896	77.4	194	85.5	244	65.9	35	68.6
White, Hispanic	191	12.2	180	15.5	28	12.3	81	21.9	15	29.4
Black	13	0.8	23	2.0	*	*	11	3.0	0	0.0
Asian American/Pacific Islander	47	3.0	32	2.8	*	*	32	8.6	*	*
American Indian/Native Alaskan	7	0.4	9	0.8	*	*	*	*	0	0.0
Other	15	1.0	18	1.6	0	0.0	0	0.0	0	0.0
Unknown	5		9		*	*	0	0.0	0	0.0
Low Weight Births (<2,500 Grams)	108	6.9	86	7.4	24	10.6	24	6.5	*	*
Very Low Weight Births (<1,500 Grams)	16	1.0	16	1.4	3	1.3	5	1.4	*	*
Prenatal Care Later than 1st Trimester/No Care	248	15.9	183	15.8	33	14.5	71	19.3	16	32.7
No Prenatal Care	34	2.2	27	2.3	7	3.1	18	4.9	*	*
Preterm Births (<37 Weeks)	121	7.7	79	6.8	19	8.3	23	6.2	4	7.8
Education of Mother <High School Diploma/GED	115	7.3	127	10.9	11	4.8	47	12.7	11	21.6
Live Births to Unmarried Women	277	17.7	293	25.1	57	25.0	93	25.1	15	29.4
Smoking During Pregnancy	100	6.4	75	6.4	8	3.5	9	2.4	*	*

Area-based poverty status represents the percentage of population in the census tract of maternal residence living at or below the federal poverty level, based on the 2012 5-Year American Community Survey. Census tracts of maternal residence were determined by linking the maternal residence address at the time of infant birth to its respective census tract as defined by the 2010 U.S. census-designated boundaries. See "Notes Regarding Colorado Area-Based Poverty Estimates" at end of report for details.

"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 Regarding Colorado Revised Certificate of Live Birth" at end of report for details.

** 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.

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

Live births and fertility rates with 95% confidence limits by age group of mother: Larimer County residents, 2013

Age Group	Births	Population	Fertility Rate	Lower Limit	Upper Limit
All Ages	3,385	67,041	50.5	48.8	52.2
Teen Age Groups					
13-14	*	3,579	*	*	*
15-17	49	5,372	9.1	6.5	11.8
18-19	140	5,160	27.1	22.6	31.7
10-17	50	14,511	3.4	2.5	4.4
10-19	190	19,671	9.7	8.3	11.1
All Age Groups					
10-14	*	9,139	*	*	*
15-19	189	10,533	17.9	15.4	20.5
20-24	565	16,601	34.0	31.2	36.8
25-29	939	10,491	89.5	84.0	95.0
30-34	1,085	10,116	107.3	101.2	113.3
35-39	501	9,604	52.2	47.7	56.7
40-49	105	19,131	5.5	4.4	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.

Lower and upper limits represent the 95% confidence interval of the fertility rate.

Population data for 'all ages' are females ages 15-44.

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

Vital statistics summary: Larimer County residents, 2003, 2009-2013

	2003	2009	2010	2011	2012	2013	2009-2013 Annual Average
Total Population	268,146	297,502	300,532	305,017	310,516	315,730	305,859
Total Births							
Number	3,503	3,502	3,360	3,317	3,391	3,385	3,391
Birth Rate	13.1	11.8	11.2	10.9	10.9	10.7	11.1
General Fertility Rate	56.5	54.2	53.6	50.9	51.3	50.5	52.1
Age of Mother 10-17							
Number	56	75	69	54	47	50	59
Percent of Total Births	1.6	2.1	2.1	1.6	1.4	1.5	1.7
Fertility Rate	3.9	5.3	4.9	3.8	3.3	3.4	4.2
Low Weight Births (<2,500 Grams)							
Number	298	291	271	278	277	244	272
Percent	8.5	8.3	8.1	8.4	8.2	7.2	8.0
Prenatal Care Later Than 1st Trimester/No Care							
Number	690	508	453	419	491	551	484
Percent	19.8	14.6	13.5	12.7	14.6	16.4	14.4
Births to Unmarried Women							
Number	810	874	754	761	723	735	769
Percent	23.1	25.0	22.4	22.9	21.3	21.7	22.7
Mother's Education <12 Years							
Number	459	448	380	319	320	311	356
Percent	13.2	12.9	11.3	9.6	9.5	9.2	10.5
Infant Deaths							
Number	23	15	16	13	13	9	13
Rate	6.6	4.3	4.8	3.9	3.8	2.7	3.9
Neonatal Deaths							
Number	15	13	12	10	12	8	11
Rate	4.3	3.7	3.6	3.0	3.5	2.4	3.2
Total Deaths							
Number	1,547	1,722	1,885	1,879	1,875	1,992	1,871
Crude Rate	576.9	578.8	627.2	616.0	603.8	630.9	611.6
Age-Adjusted Rate	699.0	599.7	644.7	610.5	583.3	599.8	607.1
Cardiovascular Disease							
Number	489	517	566	531	531	584	546
Age-Adjusted Rate	229.2	180.8	192.4	172.5	163.2	172.5	175.9
Heart Disease							
Number	359	364	398	371	384	435	390

(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, comparisons of values from 2007-forward to pre-2007 values should be made with caution. See "Notes Regarding Colorado Revised Certificate of Live Birth" at end of report for details.

* 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 and Evaluation Branch, Colorado Department of Public Health and Environment.

Vital statistics summary: Larimer County residents, 2003, 2009-2013

	2003	2009	2010	2011	2012	2013	2009-2013 Annual Average
Age-Adjusted Rate	167.9	126.4	135.2	121.4	117.8	128.3	125.7
Cerebrovascular Disease							
Number	96	114	119	119	111	106	114
Age-Adjusted Rate	45.6	40.5	40.6	37.8	34.6	31.4	36.8
Malignant Neoplasms							
Number	353	404	412	413	429	430	418
Age-Adjusted Rate	157.4	140.7	141.4	131.6	131.7	128.6	134.5
Lung Cancer							
Number	89	90	92	83	94	103	92
Age-Adjusted Rate	41.4	30.7	31.6	27.0	29.3	31.9	30.0
Breast Cancer							
Number	26	31	45	30	45	31	36
Age-Adjusted Rate	11.0	11.1	14.8	9.2	13.8	8.7	11.5
Total Unintentional Injuries							
Number	97	98	101	117	123	133	114
Age-Adjusted Rate	36.7	32.9	33.6	37.1	37.9	40.7	36.6
Motor Vehicle							
Number	51	28	21	22	24	22	23
Age-Adjusted Rate	17.7	9.4	7.1	6.4	7.3	6.8	7.4
Other Unintentional Injuries							
Number	46	70	80	95	99	111	91
Age-Adjusted Rate	18.9	23.5	26.5	30.7	30.6	33.8	29.2
Chronic Lower Respiratory Diseases							
Number	79	80	104	107	97	90	96
Age-Adjusted Rate	37.5	29.3	36.9	34.4	30.7	27.5	31.7
Suicide							
Number	45	58	45	54	70	56	57
Age-Adjusted Rate	16.6	18.8	14.1	17.5	22.1	17.5	18.0
Homicide and Legal Intervention							
Number	3	11	6	3	3	5	6
Age-Adjusted Rate	1.1	3.5	2.2	0.9	1.0	1.6	1.8
Work-Related Injury							
Number	4	3	3	8	3	*	4
Age-Adjusted Rate	1.5	1.0	0.8	2.3	1.1	*	1.2

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, comparisons of values from 2007-forward to pre-2007 values should be made with caution. See "Notes Regarding Colorado Revised Certificate of Live Birth" at end of report for details.

* 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 and Evaluation Branch, 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, 2013**

Cause of Death	N	Crude Rate	Age-Adjusted Rate	Lower Limit	Upper Limit
All Causes	1,992	630.9	599.8	573.8	625.8
Cardiovascular Disease	584	185.0	172.5	158.5	186.5
Heart Disease	435	137.8	128.3	116.2	140.4
Cerebrovascular Disease	106	33.6	31.4	25.4	37.5
Atherosclerosis	11	3.5	3.4	1.7	5.7
Malignant Neoplasms	430	136.2	128.6	116.2	141.0
Lung Cancer	103	32.6	31.9	25.6	38.1
Breast Cancer	31	9.8	8.7	5.6	11.9
Chronic Lower Respiratory Diseases	90	28.5	27.5	21.7	33.2
Unintentional Injuries	133	42.1	40.7	33.6	47.7
Motor Vehicle	22	7.0	6.8	3.9	9.7
Other Unintentional Injuries	107	33.9	32.8	26.5	39.1
Pneumonia and Influenza	36	11.4	10.7	7.2	14.3
Suicide	56	17.7	17.5	12.9	22.2
Diabetes Mellitus	43	13.6	13.3	9.2	17.3
HIV Infection	0	0.0	0.0	0.0	0.0
Chronic Liver Disease and Cirrhosis	35	11.1	9.9	6.6	13.3
Alzheimer's Disease	77	24.4	23.5	18.2	28.9
Nephritis, Nephrosis, Nephrotic Syndrome	29	9.2	8.8	5.6	12.1
Homicide and Legal Intervention	5	1.6	1.6	0.5	3.2
Septicemia	21	6.7	6.5	3.7	9.3
Congenital Anomalies	7	2.2	2.7	1.2	4.9
Perinatal Period Conditions	4	1.3	1.6	0.5	3.3
All Other	442	140.0	134.4	121.7	147.0
Injury by Firearm	31	9.8	9.7	6.2	13.2
Drug-Induced Deaths	62	19.6	19.6	14.6	24.5
Alcohol-Induced Deaths	39	12.4	11.0	7.5	14.6
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.

Lower and upper limits represent the 95% confidence interval of the age-adjusted rate.

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

Deaths and age-specific death rates from selected causes: Larimer County residents, 2013

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	9	2.7	5	0.1	19	0.4	105	1.3	349	4.3	1,505	35.9
Cardiovascular Disease	0	0.0	*	*	0	0.0	10	0.1	78	1.0	495	11.8
Heart Disease	0	0.0	*	*	0	0.0	7	0.1	68	0.8	359	8.6
Cerebrovascular Disease	0	0.0	0	0.0	0	0.0	*	*	8	0.1	96	2.3
Atherosclerosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	0.3
Malignant Neoplasms	0	0.0	0	0.0	*	*	9	0.1	106	1.3	313	7.5
Lung Cancer	0	0.0	0	0.0	0	0.0	0	0.0	23	0.3	80	1.9
Breast Cancer	0	0.0	0	0.0	0	0.0	*	*	11	0.1	19	0.5
Chronic Lower Respiratory Diseases	0	0.0	0	0.0	*	*	0	0.0	6	0.1	83	2.0
Unintentional Injuries	0	0.0	0	0.0	10	0.2	39	0.5	30	0.4	54	1.3
Motor Vehicle	0	0.0	0	0.0	3	0.1	7	0.1	7	0.1	5	0.1
Other Unintentional Injuries	0	0.0	0	0.0	7	0.1	32	0.4	23	0.3	49	1.2
Pneumonia and Influenza	0	0.0	0	0.0	0	0.0	*	*	5	0.1	29	0.7
Suicide	0	0.0	0	0.0	5	0.1	20	0.2	22	0.3	9	0.2
Diabetes Mellitus	0	0.0	0	0.0	0	0.0	5	0.1	9	0.1	29	0.7
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	*	*	20	0.2	13	0.3
Alzheimer's Disease	0	0.0	0	0.0	0	0.0	0	0.0	3	0.0	74	1.8
Nephritis, Nephrosis, Nephrotic Syndrome	0	0.0	0	0.0	0	0.0	0	0.0	3	0.0	26	0.6
Homicide and Legal Intervention	0	0.0	0	0.0	*	*	*	*	*	*	*	*
Septicemia	0	0.0	0	0.0	0	0.0	0	0.0	3	0.0	18	0.4
Congenital Anomalies	5	1.5	0	0.0	0	0.0	*	*	*	*	0	0.0
Perinatal Period Conditions	4	1.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
All Other	0	0.0	4	0.1	0	0.0	15	0.2	62	0.8	361	8.6
Injury by Firearm	0	0.0	0	0.0	3	0.1	12	0.1	9	0.1	7	0.2
Drug-Induced Deaths	0	0.0	0	0.0	4	0.1	30	0.4	24	0.3	4	0.1
Alcohol-Induced Deaths	0	0.0	0	0.0	0	0.0	6	0.1	26	0.3	7	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 and Evaluation Branch, Colorado Department of Public Health and Environment.

Deaths from selected causes by race/ethnicity: Larimer County residents, 2013

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	1,992	100.0	1,856	100.0	100	100.0	8	100.0	16	100.0	6	100.0
Cardiovascular Disease	584	29.3	549	29.6	26	26.0	4	50.0	4	25.0	0	0.0
Heart Disease	435	21.8	411	22.1	18	18.0	3	37.5	3	18.8	0	0.0
Cerebrovascular Disease	106	5.3	99	5.3	4	4.0	*	*	*	*	0	0.0
Atherosclerosis	11	0.6	10	0.5	*	*	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	430	21.6	398	21.4	22	22.0	0	0.0	6	37.5	3	50.0
Lung Cancer	103	5.2	97	5.2	4	4.0	0	0.0	0	0.0	*	*
Breast Cancer	31	1.6	28	1.5	3	3.0	0	0.0	0	0.0	0	0.0
Chronic Lower Respiratory Disease	90	4.5	88	4.7	*	*	0	0.0	*	*	0	0.0
Unintentional Injuries	133	6.7	123	6.6	8	8.0	0	0.0	0	0.0	*	*
Motor Vehicle	22	1.1	21	1.1	*	*	0	0.0	0	0.0	0	0.0
Other Unintentional Injuries	111	5.6	102	5.5	7	7.0	0	0.0	0	0.0	*	*
Pneumonia and Influenza	36	1.8	33	1.8	*	*	0	0.0	0	0.0	*	*
Suicide	56	2.8	53	2.9	*	*	0	0.0	*	*	0	0.0
Diabetes Mellitus	43	2.2	34	1.8	8	8.0	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	35	1.8	30	1.6	3	3.0	*	*	0	0.0	0	0.0
Alzheimer's Disease	77	3.9	72	3.9	5	5.0	0	0.0	0	0.0	0	0.0
Nephritis, Nephrosis, Nephrotic Syndrome	29	1.5	29	1.6	0	0.0	0	0.0	0	0.0	0	0.0
Homicide and Legal Intervention	5	0.3	4	0.2	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	21	1.1	20	1.1	*	*	0	0.0	0	0.0	0	0.0
Congenital Anomalies	7	0.4	4	0.2	*	*	*	*	*	*	0	0.0
Perinatal Period Conditions	4	0.2	*	*	*	*	*	*	0	0.0	0	0.0
All Other	442	22.2	417	22.5	21	21.0	*	*	*	*	*	*
Injury by Firearm	31	1.6	28	1.5	*	*	0	0.0	*	*	0	0.0
Drug-Induced Deaths	62	3.1	55	3.0	5	5.0	0	0.0	0	0.0	*	*
Alcohol-Induced Deaths	39	2.0	35	1.9	3	3.0	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

* indicates one or two events in the category.
Percentages are of total deaths of each race/ethnicity category.

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

Deaths from selected causes by area-based poverty status of decedent's residence: Larimer County residents, 2013

Cause of Death	<10%		10-19.9%		20-29.9%		30%+		Unknown	
	N	%	N	%	N	%	N	%	N	%
Total	983	100.0	688	100.0	81	100.0	199	100.0	41	100.0
Cardiovascular Disease	271	27.6	226	32.8	19	23.5	52	26.1	16	39.0
Heart Disease	212	21.6	159	23.1	11	13.6	40	20.1	13	31.7
Cerebrovascular Disease	42	4.3	48	7.0	4	4.9	10	5.0	*	*
Atherosclerosis	6	0.6	5	0.7	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	224	22.8	149	21.7	20	24.7	31	15.6	6	14.6
Lung Cancer	52	5.3	34	4.9	9	11.1	6	3.0	*	*
Breast Cancer	14	1.4	14	2.0	*	*	*	*	0	0.0
Chronic Lower Respiratory Disease	46	4.7	31	4.5	6	7.4	7	3.5	0	0.0
Unintentional Injuries	65	6.6	43	6.3	3	3.7	16	8.0	6	14.6
Motor Vehicle	11	1.1	9	1.3	0	0.0	*	*	0	0.0
Other Unintentional Injuries	54	5.5	34	4.9	3	3.7	14	7.0	6	14.6
Pneumonia and Influenza	17	1.7	11	1.6	*	*	6	3.0	*	*
Suicide	32	3.3	16	2.3	5	6.2	3	1.5	0	0.0
Diabetes Mellitus	20	2.0	14	2.0	3	3.7	4	2.0	*	*
HIV Infection	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	14	1.4	10	1.5	*	*	8	4.0	*	*
Alzheimer's Disease	40	4.1	24	3.5	4	4.9	8	4.0	*	*
Nephritis, Nephrosis, Nephrotic Syndrome	15	1.5	6	0.9	*	*	7	3.5	0	0.0
Homicide and Legal Intervention	*	*	0	0.0	*	*	*	*	0	0.0
Septicemia	10	1.0	9	1.3	0	0.0	*	*	0	0.0
Congenital Anomalies	4	0.4	*	*	0	0.0	*	*	0	0.0
Perinatal Period Conditions	*	*	0	0.0	*	*	*	*	0	0.0
All Other	222	22.6	147	21.4	16	19.8	50	25.1	7	17.1
Injury by Firearm	16	1.6	8	1.2	4	4.9	3	1.5	0	0.0
Drug-Induced Deaths	31	3.2	18	2.6	3	3.7	7	3.5	3	7.3
Alcohol-Induced Deaths	17	1.7	10	1.5	0	0.0	9	4.5	3	7.3
Work-Related Injury (Y/N Check Death Certificate)	*	*	*	*	0	0.0	0	0.0	0	0.0

Area-based poverty status represents the percentage of population in the census tract of decedent's residence living at or below the federal poverty level, based on the 2012 5-Year American Community Survey. Census tracts of decedent residence were determined by linking the decedent residence address at the time of death to its respective census tract as defined by the 2010 U.S. census-designated boundaries. See "Notes Regarding Colorado Area-Based Poverty Estimates" at end of report for details.

** indicates one or two events in the category.*

Percentages are of total deaths of each race/ethnicity category.

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

Deaths and age-specific death rates: Larimer County residents, 2013

Age Group	Deaths	Population	Age-Specific Death Rate
All Ages	1,992	315,730	6.3
Infant	9	3,385	2.7
Neonatal	8	3,385	2.4
1-4	3	14,303	0.2
5-9	*	19,036	*
10-14	*	18,616	*
15-19	6	21,521	0.3
20-24	13	32,545	0.4
25-29	22	21,883	1.0
30-34	27	20,913	1.3
35-39	25	19,907	1.3
40-44	31	19,778	1.6
45-49	43	18,610	2.3
50-54	73	21,770	3.4
55-59	113	22,239	5.1
60-64	120	19,262	6.2
65-69	150	14,523	10.3
70-74	167	10,107	16.5
75-79	196	6,722	29.2
80-84	242	5,037	48.0
85+	750	5,507	136.2
1-14	5	51,955	0.1
15-24	19	54,066	0.4
25-64	454	164,362	2.8
65+	1,505	41,897	35.9

* 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 and Evaluation Branch, 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 and Evaluation Branch at the Colorado Department of Public Health and Environment is available to assist with further 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 and Evaluation Branch at **(303) 692-2160** or by e-mail at cdphe.healthstatistics@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.
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- 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.

Notes Regarding Colorado's Area-Based Poverty Estimates

Poverty continues to be an important factor that increases the risk of adverse birth outcomes, disease, and mortality across all ages. The relationships between poverty and such outcomes are unsurprising given the socioeconomic differences in health behaviors, familial and other risk factors, access to appropriate prenatal and preventive health care and treatment for illness and disease. Consequently, considering poverty when exploring changes in the health status of Colorado's communities and the persistence of health disparities by poverty status are increasingly important^{1,2,3}.

These summary tables now contain counts and proportions of births and deaths by area-based poverty status of place of residence. *Area-based poverty status represents the percentage of the population in the census tract of residence living at or below the federal poverty level.*

Place of residence is based on the maternal self-reported residence address at the time of an infant's birth for birth statistics, and the residence address of decedent at the time of death, collected from next of kin, for death statistics. Census tracts of residence are determined by linking these addresses to their respective census tracts as defined by the 2010 U.S. Census-designated boundaries. The percentage of the population in a census tract living at or below the federal poverty level of census tracts is ascertained from the most current 5-Year American Community Survey estimates made available by the U.S. Census Bureau.

Colorado consists of 1,249 unique census tracts, which are formal sub-county geographic areas defined by the U.S. Census Bureau, confined by county boundaries, and typically represent between 1,200 and 8,000 people. Counties with large populations, such as in the state's large metropolitan areas, contain many census tracts; while counties with smaller populations, such as in the state's rural and mountain regions, may have only a couple of census tracts⁴.

Area-based poverty status is measured by calculating the percent of the population in each census tract that is living at or below the federal poverty level. Whether one is living at or below the federal poverty level is determined using a set of money income thresholds that vary by family size, age and composition⁵. Categories used for these reports include 0-9.9%, 10-19.9%, 20-29.9% and 30% of the population or greater living at or below the federal poverty level.

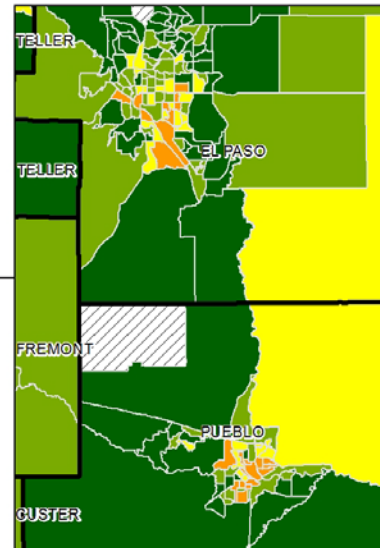
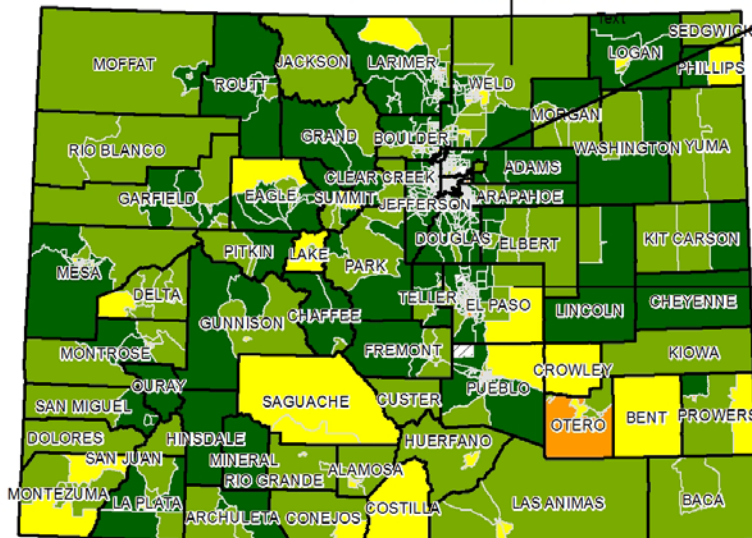
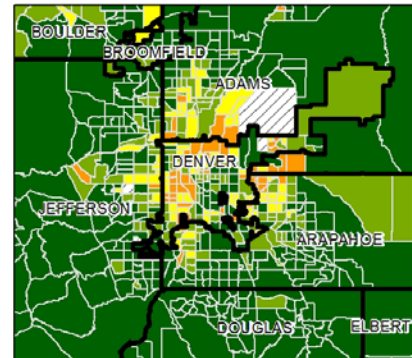
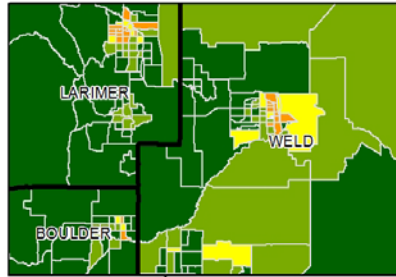
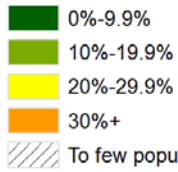
The map on the following page depicts census tract boundaries for Colorado and its largest metropolitan areas and each census tract's poverty status. Note that for some less populous counties with few census tracts, a single area-based poverty status category may represent most or all of the county.

The Health Statistics and Evaluation Branch at the Colorado Department of Public Health and Environment is available to assist with further analyses of these data, as well as to answer questions one might have regarding these novel vital statistics measures. For further information or assistance, please contact the Health Statistics and Evaluation Branch at **(303) 692-2160** or by e-mail at cdphe.healthstatistics@state.co.us.

References:

- ¹ Krieger N, Chen JT, Ebel G. *Can we monitor socioeconomic inequalities in health? A survey of U.S. health departments' data collection and reporting practices.* Public Health Reports. 1997 Nov-Dec; 112(6):481-91.
- ² Subramanian SV, Chen JT, Rehkopf DH, Waterman PD, Krieger N. *Comparing individual- and area-based socioeconomic measures for the surveillance of health disparities: A multilevel analysis of Massachusetts births, 1989-1991.* American Journal of Epidemiology. 2006 Nov 1; 164(9): 823-834.
- ³ Colorado Comprehensive Cancer Program. *Cancer & Poverty in Colorado: 1995-2006.* Denver, CO: Colorado Department of Public Health and Environment. Available from: <http://www.colorado.gov/cs/Satellite/CDPHE-PSD/CBON/1251635536890#>
- ⁴ *Geographic Terms and Concepts – Census Tract.* United States Census Bureau. Available from: www.census.gov/geo/reference/gtc/gtc_ct.html
- ⁵ *How the Census Bureau Measures Poverty.* United States Census Bureau. Available from: <https://www.census.gov/hhes/www/poverty/about/overview/measure.html>

**Area-based poverty status by Colorado census tracts:
Percent of population living at or below federal poverty level**



Source: 2008-2012 5-Year American Community Survey, U.S. Census Bureau