

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

Logan County Births and Deaths 2002

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Selected birth characteristics: Logan county residents, 2002

Characteristic	Number	Percent
Total Live Births	263	100.0
Age of Mother		
10-17	10	3.8
18-19	32	12.2
20-29	155	58.9
30+	66	25.1
Low Weight Births (<2,500 Grams)	23	8.7
Very Low Weight Births (<1,500 Grams)	3	1.1
Prenatal Care Later than 1st Trimester/No Care	59	22.4
No Prenatal Care	4	1.5
Preterm Births (<37 Weeks)	29	11.0
Education of Mother <12 Years	50	19.0
Live Births to Unmarried Women	95	36.1
Smoking During Pregnancy	36	13.7

* 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, 2002

Characteristic	All Ages		10-17		18-19		20-29		30+	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total Live Births	263	100.0	10	100.0	32	100.0	155	100.0	66	100.0
Race/Ethnicity of Mother										
White Non-Hispanic	216	82.1	7	70.0	27	84.4	124	80.0	58	87.9
White Hispanic	42	16.0	3	30.0	5	15.6	28	18.1	6	9.1
Black	3	1.1	0	0.0	0	0.0	*	*	*	*
Other	*	*	0	0.0	0	0.0	*	*	*	*
Low Weight Births (<2,500 Grams)	23	8.7	*	*	5	15.6	11	7.1	6	9.1
Very Low Weight Births (<1,500 Grams)	3	1.1	0	0.0	*	*	*	*	0	0.0
Prenatal Care Later than 1st Trimester/No Care	59	22.7	6	60.0	13	40.6	27	17.6	13	20.0
No Prenatal Care	4	1.5	0	0.0	0	0.0	4	2.6	0	0.0
Preterm Births (<37 Weeks)	29	11.0	*	*	7	21.9	13	8.4	8	12.1
Education of Mother <12 Years	50	19.0	8	80.0	18	56.3	21	13.5	3	4.5
Live Births to Unmarried Women	95	36.1	9	90.0	25	78.1	50	32.3	11	16.7
Smoking During Pregnancy	36	13.8	*	*	6	20.0	20	13.0	8	12.1

* 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: Logan county residents, 2002

Characteristic	White Non-Hispanic		White Hispanic		Black		Asian		American Indian	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total Live Births	216	100.0	42	100.0	3	100.0	*	*	0	0.0
Age of Mother										
10-17	7	3.2	3	7.1	0	0.0	0	0.0	0	0.0
18-19	27	12.5	5	11.9	0	0.0	0	0.0	0	0.0
20-29	124	57.4	28	66.7	*	*	*	*	0	0.0
30+	58	26.9	6	14.3	*	*	*	*	0	0.0
Low Weight Births (<2,500 Grams)	16	7.4	6	14.3	0	0.0	*	*	0	0.0
Very Low Weight Births (<1,500 Grams)	*	*	*	*	0	0.0	0	0.0	0	0.0
Prenatal Care Later than 1st Trimester/No Care	43	20.1	15	36.6	0	0.0	*	*	0	0.0
No Prenatal Care	3	1.4	*	*	0	0.0	0	0.0	0	0.0
Preterm Births (<37 Weeks)	21	9.7	5	11.9	*	*	*	*	0	0.0
Education of Mother <12 Years	33	15.3	17	40.5	0	0.0	0	0.0	0	0.0
Live Births to Unmarried Women	70	32.4	24	57.1	*	*	0	0.0	0	0.0
Smoking During Pregnancy	29	13.6	6	14.3	*	*	0	0.0	0	0.0

* 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 of each race/ethnicity group, 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 by age group of mother: Logan county residents, 2002

Age Group	Births	Population	Fertility Rate
All Ages	263	4,197	62.7
Teen Age Groups			
13-14	0	291	0.0
15-17	10	469	21.3
18-19	32	314	101.9
10-17	10	1,198	8.3
10-19	42	1,512	27.8
All Age Groups			
10-14	0	729	0.0
15-19	42	783	53.6
20-24	81	750	108.0
25-29	74	580	127.6
30-34	41	584	70.2
35-39	20	697	28.7
40-49	5	1,585	3.2

* 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 definition of fertility rate.

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

Vital statistics summary: Logan county residents, 1992, 1998-2002

	1992	1998	1999	2000	2001	2002	1998-2002 Annual Average
Total Population	17,565	20,001	20,287	20,787	21,927	21,978	20,996
Total Births							
Number	272	237	265	256	259	263	256
Birth Rate	15.5	11.8	13.1	12.3	11.8	12.0	12.2
General Fertility Rate	75.8	62.1	69.2	66.0	64.2	62.7	64.8
Age of Mother 10-17							
Number	12	12	24	15	12	10	15
Percent of Total Births	4.4	5.1	9.1	5.9	4.6	3.8	5.7
Fertility Rate	11.9	10.3	20.4	12.4	10.0	8.3	12.3
Low Weight Births (<2,500 Grams)							
Number	27	15	16	15	18	23	17
Percent	9.9	6.3	6.0	5.9	6.9	8.7	6.8
Prenatal Care Later Than 1st Trimester							
Number	56	69	93	82	59	59	72
Percent	20.8	29.2	35.1	32.0	22.9	22.7	28.4
Births to Unmarried Women							
Number	63	53	86	67	84	95	77
Percent	23.2	22.4	32.5	26.2	32.4	36.1	30.1
Mother's Education <12 Years							
Number	40	32	55	42	43	50	44
Percent	14.8	13.6	20.8	16.5	16.9	19.2	17.5
Infant Deaths							
Number	4	*	*	3	4	0	*
Rate	14.7	*	*	11.7	15.4	0.0	*
Neonatal Deaths							
Number	4	*	*	*	3	0	*
Rate	14.7	*	*	*	11.6	0.0	*
Total Deaths							
Number	178	171	196	188	203	199	191
Crude Rate	1013.4	855.0	966.1	904.4	925.8	905.5	911.6
Age-Adjusted Rate	875.1	742.9	843.3	788.1	851.3	827.4	812.2
Cardiovascular Disease							
Number	75	76	89	81	71	64	76
Age-Adjusted Rate	367.9	326.7	379.5	330.1	288.4	262.1	317.1
Heart Disease							
Number	57	67	71	56	52	49	59
Age-Adjusted Rate	280.6	288.8	300.5	226.6	210.9	200.7	244.9
Cerebrovascular Disease							
Number	17	9	13	18	12	9	12

(Continued)

* 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, 1992, 1998-2002

	1992	1998	1999	2000	2001	2002	1998-2002 Annual Average
Age-Adjusted Rate	82.4	37.9	57.2	74.1	49.2	36.2	51.0
Malignant Neoplasms							
Number	35	34	36	34	41	39	37
Age-Adjusted Rate	174.2	150.4	156.6	144.1	178.1	167.3	159.9
Lung Cancer							
Number	5	8	9	9	15	10	10
Age-Adjusted Rate	23.4	35.8	39.1	39.9	64.7	42.6	44.5
Breast Cancer							
Number	*	0	*	*	3	*	*
Age-Adjusted Rate	*	0.0	*	*	13.7	*	*
Total Unintentional Injuries							
Number	3	7	13	8	9	11	10
Age-Adjusted Rate	16.1	32.2	60.4	34.6	39.4	45.6	42.3
Motor Vehicle							
Number	*	3	9	4	6	*	5
Age-Adjusted Rate	*	14.4	41.5	18.0	26.6	*	21.7
Other Unintentional Injuries	*	*	*	*	*	*	*
Number	*	4	4	4	3	9	5
Age-Adjusted Rate	*	17.8	18.9	16.6	12.8	37.1	20.6
Chronic Lower Respiratory Diseases							
Number	14	9	12	13	19	16	14
Age-Adjusted Rate	66.0	38.7	51.2	54.5	79.0	67.6	58.6
Suicide							
Number	*	*	*	3	3	6	*
Age-Adjusted Rate	*	*	*	14.1	13.7	27.6	*
Homicide and Legal Intervention							
Number	0	0	0	0	*	0	*
Age-Adjusted Rate	0.0	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	*

* 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, 2002

Cause of Death	All Races		White Non-Hispanic		White Hispanic		Black		Asian		American Indian	
	N	%	N	%	N	%	N	%	N	%	N	%
Total	199	100.0	189	100.0	10	100.0	0	0.0	0	0.0	0	0.0
Cardiovascular Disease	64	32.2	62	32.8	*	*	0	0.0	0	0.0	0	0.0
Heart Disease	49	24.6	47	24.9	*	*	0	0.0	0	0.0	0	0.0
Cerebrovascular Disease	9	4.5	9	4.8	0	0.0	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	19.6	35	18.5	4	40.0	0	0.0	0	0.0	0	0.0
Lung Cancer	10	5.0	10	5.3	0	0.0	0	0.0	0	0.0	0	0.0
Breast Cancer	*	*	*	*	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Lower Respiratory Disease	16	8.0	16	8.5	0	0.0	0	0.0	0	0.0	0	0.0
Unintentional Injuries	11	5.5	10	5.3	*	*	0	0.0	0	0.0	0	0.0
Motor Vehicle	*	*	*	*	*	*	0	0.0	0	0.0	0	0.0
Other Unintentional Injuries	9	4.5	9	4.8	0	0.0	0	0.0	0	0.0	0	0.0
Pneumonia and Influenza	6	3.0	5	2.6	*	*	0	0.0	0	0.0	0	0.0
Suicide	6	3.0	6	3.2	0	0.0	0	0.0	0	0.0	0	0.0
Diabetes Mellitus	5	2.5	5	2.6	0	0.0	0	0.0	0	0.0	0	0.0
HIV Infection	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	*	*	*	*	0	0.0	0	0.0	0	0.0	0	0.0
Alzheimer's Disease	8	4.0	8	4.2	0	0.0	0	0.0	0	0.0	0	0.0
Nephritis, Nephrosis, Nephrotic Syndrome	3	1.5	*	*	*	*	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	0	0.0	0	0.0
Septicemia	3	1.5	3	1.6	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	36	18.1	35	18.5	*	*	0	0.0	0	0.0	0	0.0
Injury by Firearm	3	1.5	3	1.6	0	0.0	0	0.0	0	0.0	0	0.0
Drug-Induced Deaths	4	2.0	4	2.1	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, 2002

Age Group	Deaths	Population	Age-Specific Death Rate
All Ages	199	21,978	9.1
Infant	0	263	0.0
Neonatal	0	263	0.0
1-4	*	1,134	*
5-9	0	1,498	0.0
10-14	0	1,501	0.0
15-19	0	1,539	0.0
20-24	0	1,712	0.0
25-29	0	1,423	0.0
30-34	3	1,477	2.0
35-39	4	1,631	2.5
40-44	3	1,825	1.6
45-49	8	1,707	4.7
50-54	7	1,369	5.1
55-59	3	1,035	2.9
60-64	14	892	15.7
65-69	11	767	14.3
70-74	15	710	21.1
75-79	25	634	39.4
80-84	41	451	90.9
85+	64	407	157.2
1-14	*	4,133	*
15-24	0	3,251	0.0
25-64	42	11,359	3.7
65+	156	2,969	52.5

* 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: Logan county residents, 2002

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	10	1.6	32	6.4	156	52.5
Cardiovascular Disease	0	0.0	0	0.0	0	0.0	*	*	5	1.0	57	19.2
Heart Disease	0	0.0	0	0.0	0	0.0	*	*	3	0.6	44	14.8
Cerebrovascular Disease	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	9	3.0
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	0	0.0	12	2.4	27	9.1
Lung Cancer	0	0.0	0	0.0	0	0.0	0	0.0	*	*	9	3.0
Breast Cancer	0	0.0	0	0.0	0	0.0	0	0.0	*	*	0	0.0
Chronic Lower Respiratory Diseases	0	0.0	0	0.0	0	0.0	0	0.0	4	0.8	12	4.0
Unintentional Injuries	0	0.0	0	0.0	0	0.0	*	*	*	*	8	2.7
Motor Vehicle	0	0.0	0	0.0	0	0.0	*	*	0	0.0	*	*
Other Unintentional Injuries	0	0.0	0	0.0	0	0.0	*	*	*	*	7	2.4
Pneumonia and Influenza	0	0.0	0	0.0	0	0.0	0	0.0	*	*	5	1.7
Suicide	0	0.0	0	0.0	0	0.0	4	0.6	*	*	*	*
Diabetes Mellitus	0	0.0	0	0.0	0	0.0	*	*	0	0.0	4	1.3
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	0	0.0	*	*	*	*
Alzheimer's Disease	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	8	2.7
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	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	0	0.0	*	*	0	0.0	*	*	3	0.6	31	10.4
Injury by Firearm	0	0.0	0	0.0	0	0.0	*	*	*	*	*	*
Drug-Induced Deaths	0	0.0	0	0.0	0	0.0	3	0.5	*	*	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 for selected causes:
Logan county residents, 2002**

Cause of Death	N	Crude Rate	Age-Adjusted Rate	Lower Limit	Upper Limit
All Causes	199	905.5	827.4	716.1	938.8
Cardiovascular Disease	64	291.2	262.1	198.7	325.5
Heart Disease	49	223.0	200.7	145.1	256.4
Cerebrovascular Disease	9	41.0	36.2	9.9	20.0
Atherosclerosis	0	0.0	0.0	0.0	0.0
Malignant Neoplasms	39	177.5	167.3	114.9	219.7
Lung Cancer	10	45.5	42.6	13.0	24.2
Breast Cancer	*	*	*	*	*
Chronic Lower Respiratory Diseases	16	72.8	67.6	34.5	100.7
Unintentional Injuries	11	50.1	45.6	13.6	25.1
Motor Vehicle	*	*	*	*	*
Other Unintentional Injuries	9	41.0	37.1	10.6	20.9
Pneumonia and Influenza	6	27.3	24.7	6.4	14.9
Suicide	6	27.3	27.6	8.4	17.9
Diabetes Mellitus	5	22.8	20.9	5.3	13.1
HIV Infection	0	0.0	0.0	0.0	0.0
Chronic Liver Disease and Cirrhosis	*	*	*	*	*
Alzheimer's Disease	8	36.4	30.8	7.6	16.6
Nephritis, Nephrosis, Nephrotic Syndrome	3	13.7	13.0	3.0	9.3
Homicide and Legal Intervention	0	0.0	0.0	0.0	0.0
Septicemia	3	13.7	13.2	3.1	9.4
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	36	163.8	146.3	98.9	193.8
Injury by Firearm	3	13.7	13.5	3.3	9.8
Drug-Induced Deaths	4	18.2	18.5	5.1	12.8
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.