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# Logan County Births and Deaths 2006

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**Selected birth characteristics: Logan county residents, 2006**

Characteristic	Number	Percent
Total Live Births	249	100.0
Age of Mother		
10-17	12	4.8
18-19	25	10.0
20-29	161	64.7
30+	51	20.5
Low Weight Births (<2,500 Grams)	15	6.0
Very Low Weight Births (<1,500 Grams)	*	*
Prenatal Care Later than 1st Trimester/No Care	70	28.2
No Prenatal Care	*	*
Preterm Births (<37 Weeks)	20	8.0
Education of Mother <12 Years	40	16.1
Live Births to Unmarried Women	99	39.8
Smoking During Pregnancy	48	19.3

*\* 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](http://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, 2006**

Characteristic	All Ages		10-17		18-19		20-29		30+	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Total Live Births</b>	249	100.0	12	100.0	25	100.0	161	100.0	51	100.0
<b>Race/Ethnicity of Mother</b>										
White Non-Hispanic	202	81.1	9	75.0	18	72.0	134	83.2	41	80.4
White Hispanic	39	15.7	3	25.0	6	24.0	22	13.7	8	15.7
Black	5	2.0	0	0.0	*	*	3	1.9	*	*
Other	3	1.2	0	0.0	0	0.0	*	*	*	*
<b>Low Weight Births (&lt;2,500 Grams)</b>	15	6.0	0	0.0	*	*	9	5.6	5	9.8
<b>Very Low Weight Births (&lt;1,500 Grams)</b>	*	*	0	0.0	0	0.0	*	*	0	0.0
<b>Prenatal Care Later than 1st Trimester/No Care</b>	70	28.2	5	41.7	11	44.0	42	26.1	12	24.0
<b>No Prenatal Care</b>	*	*	0	0.0	0	0.0	0	0.0	*	*
<b>Preterm Births (&lt;37 Weeks)</b>	20	8.0	*	*	*	*	13	8.1	5	9.8
<b>Education of Mother &lt;12 Years</b>	40	16.1	8	66.7	3	12.0	23	14.3	6	11.8
<b>Live Births to Unmarried Women</b>	99	39.8	11	91.7	18	72.0	64	39.8	6	11.8
<b>Smoking During Pregnancy</b>	48	19.3	3	25.0	7	28.0	29	18.0	9	17.6

*\* 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](http://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, 2006**

Characteristic	White Non-Hispanic		White Hispanic		Black		Asian		American Indian	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Total Live Births</b>	202	100.0	39	100.0	5	100.0	*	*	*	*
<b>Age of Mother</b>										
<b>10-17</b>	9	4.5	3	7.7	0	0.0	0	0.0	0	0.0
<b>18-19</b>	18	8.9	6	15.4	*	*	0	0.0	0	0.0
<b>20-29</b>	134	66.3	22	56.4	3	60.0	0	0.0	*	*
<b>30+</b>	41	20.3	8	20.5	*	*	*	*	0	0.0
<b>Low Weight Births (&lt;2,500 Grams)</b>	10	5.0	3	7.7	*	*	0	0.0	*	*
<b>Very Low Weight Births (&lt;1,500 Grams)</b>	*	*	*	*	0	0.0	0	0.0	0	0.0
<b>Prenatal Care Later than 1st Trimester/No Care</b>	51	25.4	14	35.9	4	80.0	0	0.0	*	*
<b>No Prenatal Care</b>	0	0.0	*	*	0	0.0	0	0.0	0	0.0
<b>Preterm Births (&lt;37 Weeks)</b>	15	7.4	4	10.3	0	0.0	0	0.0	*	*
<b>Education of Mother &lt;12 Years</b>	28	13.9	12	30.8	0	0.0	0	0.0	0	0.0
<b>Live Births to Unmarried Women</b>	74	36.6	20	51.3	3	60.0	0	0.0	*	*
<b>Smoking During Pregnancy</b>	43	21.3	3	7.7	*	*	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, excluding cases with specific characteristics unknown.  
 See the technical notes at [www.cdphe.state.co.us/hs](http://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, 2006

Age Group	Births	Population	Fertility Rate
All Ages	249	4,028	61.8
<b>Teen Age Groups</b>			
13-14	0	297	0.0
15-17	12	400	30.0
18-19	25	249	100.4
10-17	12	1,123	10.7
10-19	37	1,372	27.0
<b>All Age Groups</b>			
10-14	0	723	0.0
15-19	37	649	57.0
20-24	92	700	131.4
25-29	69	687	100.4
30-34	35	637	54.9
35-39	13	609	21.3
40-49	3	1,551	1.9

*\* 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](http://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, 1996, 2002-2006

	1996	2002	2003	2004	2005	2006	2002-2006 Annual Average
<b>Total Population</b>	19,664	21,919	21,916	21,824	21,608	21,692	21,792
<b>Total Births</b>							
Number	223	263	276	240	223	249	250
Birth Rate	11.3	12.0	12.6	11.0	10.3	11.5	11.5
General Fertility Rate	58.1	62.8	66.9	58.6	55.3	61.8	61.1
<b>Age of Mother 10-17</b>							
Number	18	10	9	11	9	12	10
Percent of Total Births	8.1	3.8	3.3	4.6	4.0	4.8	4.1
Fertility Rate	15.9	8.4	7.6	9.7	8.2	10.7	8.9
<b>Low Weight Births (&lt;2,500 Grams)</b>							
Number	10	23	13	12	14	15	15
Percent	4.5	8.7	4.7	5.0	6.3	6.0	6.2
<b>Prenatal Care Later Than 1st Trimester</b>							
Number	73	59	65	55	50	70	60
Percent	32.7	22.7	23.6	23.0	22.7	28.2	24.1
<b>Births to Unmarried Women</b>							
Number	69	95	89	89	73	99	89
Percent	30.9	36.1	32.2	37.1	32.7	39.8	35.6
<b>Mother's Education &lt;12 Years</b>							
Number	50	50	52	49	37	40	46
Percent	22.5	19.2	19.1	21.2	17.0	16.5	18.6
<b>Infant Deaths</b>							
Number	*	0	*	*	3	0	*
Rate	*	0.0	*	*	13.5	0.0	*
<b>Neonatal Deaths</b>							
Number	0	0	*	*	*	0	*
Rate	0.0	0.0	*	*	*	0.0	*
<b>Total Deaths</b>							
Number	199	199	209	194	217	187	201
Crude Rate	1012.0	907.9	953.6	888.9	1004.3	862.1	923.3
Age-Adjusted Rate	878.1	827.7	867.0	804.7	903.9	784.3	836.5
<b>Cardiovascular Disease</b>							
Number	90	64	72	61	77	54	66
Age-Adjusted Rate	390.7	262.2	293.7	250.3	312.8	225.2	268.9
<b>Heart Disease</b>							
Number	76	49	47	37	57	40	46
Age-Adjusted Rate	330.6	200.7	191.2	152.4	230.6	168.4	188.8

(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, 1996, 2002-2006

	1996	2002	2003	2004	2005	2006	2002-2006 Annual Average
<b>Cerebrovascular Disease</b>							
Number	12	9	19	14	16	8	13
Age-Adjusted Rate	51.6	36.3	77.4	57.7	65.9	32.0	53.9
<b>Malignant Neoplasms</b>							
Number	41	39	39	37	40	48	41
Age-Adjusted Rate	181.3	167.1	166.1	156.3	168.4	203.6	171.9
<b>Lung Cancer</b>							
Number	8	10	11	8	11	14	11
Age-Adjusted Rate	35.2	42.4	46.2	34.3	46.5	59.4	45.8
<b>Breast Cancer</b>							
Number	6	*	5	4	0	3	*
Age-Adjusted Rate	25.9	*	20.7	17.4	0.0	12.3	*
<b>Total Unintentional Injuries</b>							
Number	7	11	12	12	19	12	13
Age-Adjusted Rate	35.3	45.6	51.8	52.5	82.5	53.4	57.0
<b>Motor Vehicle</b>							
Number	6	*	8	6	9	3	6
Age-Adjusted Rate	29.9	*	35.2	26.7	40.4	15.2	25.1
<b>Other Unintentional Injuries</b>							
Number	*	9	4	6	10	9	8
Age-Adjusted Rate	*	37.1	16.6	25.7	42.1	38.1	31.9
<b>Chronic Lower Respiratory Diseases</b>							
Number	13	16	14	11	20	14	15
Age-Adjusted Rate	56.5	67.6	57.9	45.1	82.6	59.1	62.3
<b>Suicide</b>							
Number	*	6	4	4	3	*	4
Age-Adjusted Rate	*	27.6	17.8	18.1	13.4	*	17.1
<b>Homicide and Legal Intervention</b>							
Number	0	0	0	*	0	*	*
Age-Adjusted Rate	0.0	0.0	0.0	*	0.0	*	*
<b>Work-Related Injury</b>							
Number	*	0	0	*	*	*	*
Age-Adjusted Rate	*	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, 2006**

Cause of Death	All Races		White Non-Hispanic		White Hispanic		Black		Asian		American Indian	
	N	%	N	%	N	%	N	%	N	%	N	%
<b>Total</b>	187	100.0	180	100.0	4	100.0	*	*	0	0.0	*	*
<b>Cardiovascular Disease</b>	54	28.9	52	28.9	*	*	*	*	0	0.0	0	0.0
Heart Disease	40	21.4	39	21.7	0	0.0	*	*	0	0.0	0	0.0
Cerebrovascular Disease	8	4.3	7	3.9	*	*	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
<b>Malignant Neoplasms</b>	48	25.7	48	26.7	0	0.0	0	0.0	0	0.0	0	0.0
Lung Cancer	14	7.5	14	7.8	0	0.0	0	0.0	0	0.0	0	0.0
Breast Cancer	3	1.6	3	1.7	0	0.0	0	0.0	0	0.0	0	0.0
<b>Chronic Lower Respiratory Disease</b>	14	7.5	13	7.2	*	*	0	0.0	0	0.0	0	0.0
<b>Unintentional Injuries</b>	12	6.4	11	6.1	*	*	0	0.0	0	0.0	0	0.0
Motor Vehicle	3	1.6	*	*	*	*	0	0.0	0	0.0	0	0.0
Other Unintentional Injuries	9	4.8	9	5.0	0	0.0	0	0.0	0	0.0	0	0.0
<b>Pneumonia and Influenza</b>	5	2.7	5	2.8	0	0.0	0	0.0	0	0.0	0	0.0
<b>Suicide</b>	*	*	*	*	0	0.0	0	0.0	0	0.0	0	0.0
<b>Diabetes Mellitus</b>	3	1.6	*	*	0	0.0	0	0.0	0	0.0	*	*
<b>HIV Infection</b>	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<b>Chronic Liver Disease and Cirrhosis</b>	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<b>Alzheimer's Disease</b>	5	2.7	4	2.2	*	*	0	0.0	0	0.0	0	0.0
<b>Nephritis, Nephrosis, Nephrotic Syndrome</b>	*	*	*	*	0	0.0	0	0.0	0	0.0	0	0.0
<b>Homicide and Legal Intervention</b>	*	*	0	0.0	0	0.0	*	*	0	0.0	0	0.0
<b>Septicemia</b>	4	2.1	4	2.2	0	0.0	0	0.0	0	0.0	0	0.0
<b>Congenital Anomalies</b>	*	*	*	*	0	0.0	0	0.0	0	0.0	0	0.0
<b>Perinatal Period Conditions</b>	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<b>All Other</b>	36	19.3	36	20.0	0	0.0	0	0.0	0	0.0	0	0.0
<b>Injury by Firearm</b>	*	*	*	*	0	0.0	0	0.0	0	0.0	0	0.0
<b>Drug-Induced Deaths</b>	*	*	*	*	0	0.0	0	0.0	0	0.0	0	0.0
<b>Alcohol-Induced Deaths</b>	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<b>Work-Related Injury (Y/N Check Death Certificate)</b>	*	*	*	*	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, 2006**

Age Group	Deaths	Population	Age-Specific Death Rate
<b>All Ages</b>	187	21,692	8.6
<b>Infant</b>	0	249	0.0
<b>Neonatal</b>	0	249	0.0
<b>1-4</b>	0	1,047	0.0
<b>5-9</b>	0	1,465	0.0
<b>10-14</b>	0	1,517	0.0
<b>15-19</b>	*	1,318	*
<b>20-24</b>	*	1,384	*
<b>25-29</b>	0	1,583	0.0
<b>30-34</b>	0	1,507	0.0
<b>35-39</b>	*	1,519	*
<b>40-44</b>	7	1,706	4.1
<b>45-49</b>	4	1,790	2.2
<b>50-54</b>	8	1,589	5.0
<b>55-59</b>	7	1,234	5.7
<b>60-64</b>	9	901	10.0
<b>65-69</b>	19	753	25.2
<b>70-74</b>	19	696	27.3
<b>75-79</b>	30	639	46.9
<b>80-84</b>	23	421	54.6
<b>85+</b>	56	408	137.3
<b>1-14</b>	0	4,029	0.0
<b>15-24</b>	3	2,702	1.1
<b>25-64</b>	37	11,829	3.1
<b>65+</b>	147	2,917	50.4

\* 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, 2006**

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	3	1.1	9	1.4	28	5.1	147	50.4
Cardiovascular Disease	0	0.0	0	0.0	0	0.0	3	0.5	6	1.1	45	15.4
Heart Disease	0	0.0	0	0.0	0	0.0	3	0.5	5	0.9	32	11.0
Cerebrovascular Disease	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	8	2.7
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	*	*	10	1.8	36	12.3
Lung Cancer	0	0.0	0	0.0	0	0.0	0	0.0	3	0.5	11	3.8
Breast Cancer	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	3	0.5	11	3.8
Unintentional Injuries	0	0.0	0	0.0	*	*	3	0.5	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	*	*	0	0.0	8	2.7
Pneumonia and Influenza	0	0.0	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	0	0.0	0	0.0	*	*
Diabetes Mellitus	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	0	0.0	0	0.0
Alzheimer's Disease	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5	1.7
Nephritis, Nephrosis, Nephrotic Syndrome	0	0.0	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
Septicemia	0	0.0	0	0.0	0	0.0	0	0.0	*	*	3	1.0
Congenital Anomalies	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	*	*	*	*	5	0.9	28	9.6
Injury by Firearm	0	0.0	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	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	*	*

\* 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, 2006**

Cause of Death	N	Rate	Age-Adjusted Rate	Lower Limit	Upper Limit
All Causes	187	862.1	784.3	674.6	893.9
Cardiovascular Disease	54	248.9	225.2	165.5	284.8
Heart Disease	40	184.4	168.4	116.3	220.5
Cerebrovascular Disease	8	36.9	32.0	12.6	60.3
Atherosclerosis	0	0.0	0.0	0.0	0.0
Malignant Neoplasms	48	221.3	203.6	146.1	261.0
Lung Cancer	14	64.5	59.4	28.3	90.5
Breast Cancer	3	13.8	12.3	2.0	31.5
Chronic Lower Respiratory Diseases	14	64.5	59.1	28.1	90.1
Unintentional Injuries	12	55.3	53.4	23.0	83.7
Motor Vehicle	3	13.8	15.2	3.2	36.1
Other Unintentional Injuries	9	41.5	38.1	16.6	68.6
Pneumonia and Influenza	5	23.0	19.4	5.3	42.4
Suicide	*	*	*	*	*
Diabetes Mellitus	3	13.8	12.4	2.0	31.7
HIV Infection	0	0.0	0.0	0.0	0.0
Chronic Liver Disease and Cirrhosis	0	0.0	0.0	0.0	0.0
Alzheimer's Disease	5	23.0	20.7	6.0	44.3
Nephritis, Nephrosis, Nephrotic Syndrome	*	*	*	*	*
Homicide and Legal Intervention	*	*	*	*	*
Septicemia	4	18.4	16.2	3.7	37.6
Congenital Anomalies	*	*	*	*	*
Perinatal Period Conditions	0	0.0	0.0	0.0	0.0
All Other	36	166.0	149.6	100.9	198.4
Injury by Firearm	*	*	*	*	*
Drug-Induced Deaths	*	*	*	*	*
Alcohol-Induced Deaths	0	0.0	0.0	0.0	0.0
Work-Related Injury (Y/N Check Death Certificate)	*	*	*	*	*

\* indicates one or two events in the category.

Rates are deaths per 100,000 population.

Crude death rates are calculated without age-adjustment.

Age-adjusted rates are adjusted to the 2000 U.S. standard population using the direct method applied to 10-year age groups.

Age-adjusted rates provide a better basis for comparison among different geographical areas or time periods.

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