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# Boulder County Births and Deaths 2006

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

<b>Characteristic</b>	<b>Number</b>	<b>Percent</b>
<b>Total Live Births</b>	3,407	100.0
<b>Age of Mother</b>		
10-17	76	2.2
18-19	128	3.8
20-29	1,280	37.6
30+	1,923	56.4
<b>Low Weight Births (&lt;2,500 Grams)</b>	239	7.0
<b>Very Low Weight Births (&lt;1,500 Grams)</b>	22	0.6
<b>Prenatal Care Later than 1st Trimester/No Care</b>	384	11.3
<b>No Prenatal Care</b>	24	0.7
<b>Preterm Births (&lt;37 Weeks)</b>	234	6.9
<b>Education of Mother &lt;12 Years</b>	533	15.6
<b>Live Births to Unmarried Women</b>	670	19.7
<b>Smoking During Pregnancy</b>	134	3.9

*\* 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: Boulder 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>	3,407	100.0	76	100.0	128	100.0	1,280	100.0	1,923	100.0
<b>Race/Ethnicity of Mother</b>										
White Non-Hispanic	2,328	68.3	28	36.8	51	39.8	723	56.5	1,526	79.4
White Hispanic	840	24.7	46	60.5	76	59.4	487	38.0	231	12.0
Black	18	0.5	*	*	0	0.0	6	0.5	11	0.6
Other	221	6.5	*	*	*	*	64	5.0	155	8.1
<b>Low Weight Births (&lt;2,500 Grams)</b>	239	7.0	9	11.8	7	5.5	82	6.4	141	7.3
<b>Very Low Weight Births (&lt;1,500 Grams)</b>	22	0.6	0	0.0	0	0.0	5	0.4	17	0.9
<b>Prenatal Care Later than 1st Trimester/No Care</b>	384	11.3	22	28.9	31	24.4	210	16.4	121	6.3
No Prenatal Care	24	0.7	3	3.9	*	*	17	1.3	3	0.2
<b>Preterm Births (&lt;37 Weeks)</b>	234	6.9	9	11.8	8	6.3	73	5.7	144	7.5
<b>Education of Mother &lt;12 Years</b>	533	15.6	57	75.0	43	33.6	310	24.2	123	6.4
<b>Live Births to Unmarried Women</b>	670	19.7	70	92.1	79	61.7	380	29.7	141	7.3
<b>Smoking During Pregnancy</b>	134	3.9	*	*	12	9.4	92	7.2	29	1.5

*\* 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: Boulder 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>	2,328	100.0	840	100.0	18	100.0	208	100.0	13	100.0
<b>Age of Mother</b>										
<b>10-17</b>	28	1.2	46	5.5	*	*	*	*	0	0.0
<b>18-19</b>	51	2.2	76	9.0	0	0.0	0	0.0	*	*
<b>20-29</b>	723	31.1	487	58.0	6	33.3	58	27.9	6	46.2
<b>30+</b>	1,526	65.5	231	27.5	11	61.1	149	71.6	6	46.2
<b>Low Weight Births (&lt;2,500 Grams)</b>	174	7.5	48	5.7	*	*	14	6.7	*	*
<b>Very Low Weight Births (&lt;1,500 Grams)</b>	16	0.7	3	0.4	0	0.0	3	1.4	0	0.0
<b>Prenatal Care Later than 1st Trimester/No Care</b>	167	7.2	189	22.5	6	33.3	20	9.6	*	*
<b>No Prenatal Care</b>	8	0.3	12	1.4	*	*	*	*	*	*
<b>Preterm Births (&lt;37 Weeks)</b>	169	7.3	48	5.7	*	*	14	6.8	*	*
<b>Education of Mother &lt;12 Years</b>	88	3.8	435	51.8	3	16.7	5	2.4	*	*
<b>Live Births to Unmarried Women</b>	338	14.5	313	37.3	7	38.9	9	4.3	3	23.1
<b>Smoking During Pregnancy</b>	111	4.8	20	2.4	*	*	*	*	*	*

*\* 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: Boulder county residents, 2006

Age Group	Births	Population	Fertility Rate
All Ages	3,407	64,449	52.9
<b>Teen Age Groups</b>			
13-14	5	3,481	1.4
15-17	71	5,458	13.0
18-19	128	6,194	20.7
10-17	76	13,825	5.5
10-19	204	20,019	10.2
<b>All Age Groups</b>			
10-14	5	8,367	0.6
15-19	199	11,652	17.1
20-24	528	13,018	40.6
25-29	752	8,324	90.3
30-34	1,040	10,276	101.2
35-39	710	10,280	69.1
40-49	171	23,129	7.4

*\* 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: Boulder county residents, 1996, 2002-2006

	1996	2002	2003	2004	2005	2006	2002-2006 Annual Average
<b>Total Population</b>	261,769	282,918	283,616	284,996	285,880	288,603	285,203
<b>Total Births</b>							
Number	3,225	3,656	3,620	3,548	3,500	3,407	3,546
Birth Rate	12.3	12.9	12.8	12.4	12.2	11.8	12.4
General Fertility Rate	48.3	54.3	54.6	54.0	54.1	52.9	54.0
<b>Age of Mother 10-17</b>							
Number	97	93	87	78	93	76	85
Percent of Total Births	3.0	2.5	2.4	2.2	2.7	2.2	2.4
Fertility Rate	7.6	6.5	6.1	5.6	6.7	5.5	6.1
<b>Low Weight Births (&lt;2,500 Grams)</b>							
Number	258	253	315	280	295	239	276
Percent	8.0	6.9	8.7	7.9	8.4	7.0	7.8
<b>Prenatal Care Later Than 1st Trimester</b>							
Number	575	512	489	360	418	384	433
Percent	18.1	14.1	13.5	10.2	12.0	11.3	12.2
<b>Births to Unmarried Women</b>							
Number	605	651	665	710	691	670	677
Percent	18.8	17.8	18.4	20.0	19.7	19.7	19.1
<b>Mother's Education &lt;12 Years</b>							
Number	386	635	580	624	585	533	591
Percent	12.1	17.5	16.3	17.7	17.0	16.3	17.0
<b>Infant Deaths</b>							
Number	14	18	17	15	14	15	16
Rate	4.3	4.9	4.7	4.2	4.0	4.4	4.5
<b>Neonatal Deaths</b>							
Number	7	11	15	12	10	8	11
Rate	2.2	3.0	4.1	3.4	2.9	2.3	3.2
<b>Total Deaths</b>							
Number	1,347	1,424	1,472	1,364	1,446	1,452	1,432
Crude Rate	514.6	503.3	519.0	478.6	505.8	503.1	502.0
Age-Adjusted Rate	774.6	713.0	716.4	647.4	664.7	652.6	677.7
<b>Cardiovascular Disease</b>							
Number	455	449	412	398	413	412	417
Age-Adjusted Rate	277.6	235.4	211.5	200.8	199.7	194.6	207.8
<b>Heart Disease</b>							
Number	347	296	285	276	293	296	289
Age-Adjusted Rate	210.7	154.4	144.1	137.8	140.0	138.3	142.7

(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: Boulder county residents, 1996, 2002-2006

	1996	2002	2003	2004	2005	2006	2002-2006 Annual Average
<b>Cerebrovascular Disease</b>							
Number	103	126	102	88	80	82	96
Age-Adjusted Rate	63.9	67.2	54.3	45.4	39.4	40.1	48.9
<b>Malignant Neoplasms</b>							
Number	330	315	324	303	314	322	316
Age-Adjusted Rate	188.3	158.7	153.6	139.1	143.6	139.6	146.7
<b>Lung Cancer</b>							
Number	71	75	66	62	69	60	66
Age-Adjusted Rate	41.6	39.3	32.4	29.3	32.6	27.3	32.0
<b>Breast Cancer</b>							
Number	30	24	31	27	39	34	31
Age-Adjusted Rate	16.4	10.3	13.7	10.0	16.3	14.2	13.0
<b>Total Unintentional Injuries</b>							
Number	84	106	123	109	113	119	114
Age-Adjusted Rate	35.9	43.8	50.9	45.6	45.6	47.5	46.7
<b>Motor Vehicle</b>							
Number	30	31	32	29	25	23	28
Age-Adjusted Rate	11.7	10.8	10.8	10.6	8.8	8.6	9.9
<b>Other Unintentional Injuries</b>							
Number	54	75	91	80	88	96	86
Age-Adjusted Rate	24.2	32.9	40.1	35.1	36.8	38.9	36.8
<b>Chronic Lower Respiratory Diseases</b>							
Number	78	75	92	78	84	82	82
Age-Adjusted Rate	48.5	39.6	49.4	40.6	42.5	40.9	42.5
<b>Suicide</b>							
Number	37	38	37	40	49	48	42
Age-Adjusted Rate	14.4	13.7	12.2	12.8	15.3	16.8	14.1
<b>Homicide and Legal Intervention</b>							
Number	4	7	*	4	*	3	3
Age-Adjusted Rate	1.3	2.3	*	1.5	*	1.0	1.2
<b>Work-Related Injury</b>							
Number	*	3	4	*	4	*	*
Age-Adjusted Rate	*	0.9	1.6	*	1.2	*	*

\* 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: Boulder 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>	1,452	100.0	1,354	100.0	74	100.0	4	100.0	18	100.0	*	*
<b>Cardiovascular Disease</b>	412	28.4	391	28.9	16	21.6	0	0.0	4	22.2	*	*
Heart Disease	296	20.4	280	20.7	13	17.6	0	0.0	*	*	*	*
Cerebrovascular Disease	82	5.6	79	5.8	*	*	0	0.0	*	*	0	0.0
Atherosclerosis	10	0.7	10	0.7	0	0.0	0	0.0	0	0.0	0	0.0
<b>Malignant Neoplasms</b>	322	22.2	300	22.2	16	21.6	0	0.0	6	33.3	0	0.0
Lung Cancer	60	4.1	57	4.2	*	*	0	0.0	*	*	0	0.0
Breast Cancer	34	2.3	34	2.5	0	0.0	0	0.0	0	0.0	0	0.0
<b>Chronic Lower Respiratory Disease</b>	82	5.6	78	5.8	3	4.1	0	0.0	*	*	0	0.0
<b>Unintentional Injuries</b>	119	8.2	112	8.3	4	5.4	0	0.0	*	*	0	0.0
Motor Vehicle	23	1.6	20	1.5	*	*	0	0.0	0	0.0	0	0.0
Other Unintentional Injuries	96	6.6	92	6.8	*	*	0	0.0	*	*	0	0.0
<b>Pneumonia and Influenza</b>	35	2.4	31	2.3	4	5.4	0	0.0	0	0.0	0	0.0
<b>Suicide</b>	48	3.3	45	3.3	*	*	0	0.0	*	*	0	0.0
<b>Diabetes Mellitus</b>	36	2.5	30	2.2	6	8.1	0	0.0	0	0.0	0	0.0
<b>HIV Infection</b>	4	0.3	3	0.2	*	*	0	0.0	0	0.0	0	0.0
<b>Chronic Liver Disease and Cirrhosis</b>	14	1.0	12	0.9	*	*	0	0.0	0	0.0	0	0.0
<b>Alzheimer's Disease</b>	72	5.0	68	5.0	4	5.4	0	0.0	0	0.0	0	0.0
<b>Nephritis, Nephrosis, Nephrotic Syndrome</b>	13	0.9	12	0.9	*	*	0	0.0	0	0.0	0	0.0
<b>Homicide and Legal Intervention</b>	3	0.2	*	*	*	*	0	0.0	0	0.0	0	0.0
<b>Septicemia</b>	13	0.9	12	0.9	*	*	0	0.0	0	0.0	0	0.0
<b>Congenital Anomalies</b>	6	0.4	4	0.3	0	0.0	*	*	0	0.0	0	0.0
<b>Perinatal Period Conditions</b>	5	0.3	3	0.2	*	*	0	0.0	0	0.0	0	0.0
<b>All Other</b>	268	18.5	252	18.6	11	14.9	*	*	3	16.7	0	0.0
<b>Injury by Firearm</b>	19	1.3	18	1.3	*	*	0	0.0	0	0.0	0	0.0
<b>Drug-Induced Deaths</b>	42	2.9	39	2.9	*	*	0	0.0	*	*	0	0.0
<b>Alcohol-Induced Deaths</b>	21	1.4	19	1.4	*	*	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: Boulder county residents, 2006

Age Group	Deaths	Population	Age-Specific Death Rate
<b>All Ages</b>	1,452	288,603	5.0
<b>Infant</b>	15	3,407	4.4
<b>Neonatal</b>	8	3,407	2.3
<b>1-4</b>	*	14,432	*
<b>5-9</b>	0	16,838	0.0
<b>10-14</b>	5	17,003	0.3
<b>15-19</b>	5	23,644	0.2
<b>20-24</b>	14	27,882	0.5
<b>25-29</b>	27	17,389	1.6
<b>30-34</b>	14	22,312	0.6
<b>35-39</b>	19	21,674	0.9
<b>40-44</b>	31	21,840	1.4
<b>45-49</b>	44	24,226	1.8
<b>50-54</b>	72	22,578	3.2
<b>55-59</b>	66	18,885	3.5
<b>60-64</b>	87	11,691	7.4
<b>65-69</b>	94	7,415	12.7
<b>70-74</b>	99	5,764	17.2
<b>75-79</b>	137	4,793	28.6
<b>80-84</b>	210	3,427	61.3
<b>85+</b>	512	3,263	156.9
<b>1-14</b>	6	48,274	0.1
<b>15-24</b>	19	51,526	0.4
<b>25-64</b>	360	160,595	2.2
<b>65+</b>	1,052	24,661	42.7

\* 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: Boulder 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	15	4.4	6	0.1	19	0.4	91	1.1	269	3.5	1,052	42.7
Cardiovascular Disease	*	*	0	0.0	*	*	*	*	46	0.6	362	14.7
Heart Disease	*	*	0	0.0	*	*	*	*	39	0.5	253	10.3
Cerebrovascular Disease	0	0.0	0	0.0	0	0.0	0	0.0	4	0.1	78	3.2
Atherosclerosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	10	0.4
Malignant Neoplasms	0	0.0	0	0.0	*	*	14	0.2	101	1.3	206	8.4
Lung Cancer	0	0.0	0	0.0	0	0.0	0	0.0	16	0.2	44	1.8
Breast Cancer	0	0.0	0	0.0	0	0.0	3	0.0	12	0.2	19	0.8
Chronic Lower Respiratory Diseases	0	0.0	0	0.0	0	0.0	0	0.0	5	0.1	77	3.1
Unintentional Injuries	0	0.0	*	*	8	0.2	33	0.4	26	0.3	50	2.0
Motor Vehicle	0	0.0	*	*	*	*	11	0.1	4	0.1	4	0.2
Other Unintentional Injuries	0	0.0	0	0.0	6	0.1	22	0.3	22	0.3	46	1.9
Pneumonia and Influenza	0	0.0	0	0.0	0	0.0	0	0.0	*	*	33	1.3
Suicide	0	0.0	*	*	3	0.1	23	0.3	16	0.2	5	0.2
Diabetes Mellitus	0	0.0	0	0.0	0	0.0	0	0.0	8	0.1	28	1.1
HIV Infection	0	0.0	0	0.0	0	0.0	4	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	10	0.1	4	0.2
Alzheimer's Disease	0	0.0	0	0.0	0	0.0	0	0.0	*	*	71	2.9
Nephritis, Nephrosis, Nephrotic Syndrome	0	0.0	0	0.0	0	0.0	0	0.0	*	*	12	0.5
Homicide and Legal Intervention	*	*	0	0.0	*	*	*	*	0	0.0	0	0.0
Septicemia	0	0.0	0	0.0	*	*	0	0.0	*	*	11	0.4
Congenital Anomalies	*	*	0	0.0	*	*	*	*	0	0.0	0	0.0
Perinatal Period Conditions	5	1.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
All Other	6	1.8	3	0.1	*	*	13	0.2	52	0.7	193	7.8
Injury by Firearm	0	0.0	0	0.0	*	*	6	0.1	8	0.1	3	0.1
Drug-Induced Deaths	0	0.0	0	0.0	5	0.1	22	0.3	15	0.2	0	0.0
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	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:  
Boulder county residents, 2006**

Cause of Death	N	Rate	Age-Adjusted Rate	Lower Limit	Upper Limit
All Causes	1,452	503.1	652.6	619.7	685.6
Cardiovascular Disease	412	142.8	194.6	175.9	213.3
Heart Disease	296	102.6	138.3	122.5	154.1
Cerebrovascular Disease	82	28.4	40.1	31.4	48.7
Atherosclerosis	10	3.5	4.8	2.6	7.6
Malignant Neoplasms	322	111.6	139.6	124.0	155.3
Lung Cancer	60	20.8	27.3	20.2	34.3
Breast Cancer	34	11.8	14.2	9.2	19.1
Chronic Lower Respiratory Diseases	82	28.4	40.9	32.0	49.8
Unintentional Injuries	119	41.2	47.5	38.7	56.2
Motor Vehicle	23	8.0	8.6	5.0	12.2
Other Unintentional Injuries	91	31.5	37.3	29.4	45.2
Pneumonia and Influenza	35	12.1	17.0	11.3	22.7
Suicide	48	16.6	16.8	12.0	21.7
Diabetes Mellitus	36	12.5	16.9	11.3	22.5
HIV Infection	4	1.4	1.5	0.4	3.2
Chronic Liver Disease and Cirrhosis	14	4.9	5.0	2.2	7.7
Alzheimer's Disease	72	24.9	35.9	27.6	44.2
Nephritis, Nephrosis, Nephrotic Syndrome	13	4.5	6.3	2.8	9.7
Homicide and Legal Intervention	3	1.0	1.0	0.2	2.5
Septicemia	13	4.5	6.2	2.8	9.6
Congenital Anomalies	6	2.1	2.0	0.7	4.0
Perinatal Period Conditions	5	1.7	1.9	0.7	3.9
All Other	268	92.9	119.5	105.1	134.0
Injury by Firearm	19	6.6	6.6	3.6	9.7
Drug-Induced Deaths	42	14.6	13.4	9.3	17.5
Alcohol-Induced Deaths	21	7.3	6.5	3.7	9.3
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.*