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Boulder County Births and Deaths 2004

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Selected birth characteristics: Boulder county residents, 2004

Characteristic	Number	Percent
Total Live Births	3,548	100.0
Age of Mother		
10-17	78	2.2
18-19	177	5.0
20-29	1,343	37.9
30+	1,948	54.9
Low Weight Births (<2,500 Grams)	280	7.9
Very Low Weight Births (<1,500 Grams)	35	1.0
Prenatal Care Later than 1st Trimester/No Care	360	10.2
No Prenatal Care	12	0.3
Preterm Births (<37 Weeks)	311	8.8
Education of Mother <12 Years	624	17.6
Live Births to Unmarried Women	710	20.0
Smoking During Pregnancy	150	4.2

** 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: Boulder county residents, 2004

Characteristic	All Ages		10-17		18-19		20-29		30+	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total Live Births	3,548	100.0	78	100.0	177	100.0	1,343	100.0	1,948	100.0
Race/Ethnicity of Mother										
White Non-Hispanic	2,444	68.9	21	26.9	58	32.8	789	58.7	1,576	80.9
White Hispanic	888	25.0	57	73.1	113	63.8	472	35.1	245	12.6
Black	17	0.5	0	0.0	3	1.7	9	0.7	5	0.3
Other	199	5.6	0	0.0	3	1.7	73	5.4	122	6.3
Low Weight Births (<2,500 Grams)	280	7.9	9	11.5	18	10.2	111	8.3	142	7.3
Very Low Weight Births (<1,500 Grams)	35	1.0	*	*	*	*	11	0.8	22	1.1
Prenatal Care Later than 1st Trimester/No Care	360	10.2	31	39.7	42	23.7	171	12.8	116	6.0
No Prenatal Care	12	0.3	*	*	*	*	6	0.4	*	*
Preterm Births (<37 Weeks)	311	8.8	11	14.1	19	10.7	106	7.9	175	9.0
Education of Mother <12 Years	624	17.6	64	82.1	88	49.7	337	25.1	135	6.9
Live Births to Unmarried Women	710	20.0	69	88.5	132	74.6	376	28.0	132	6.8
Smoking During Pregnancy	150	4.2	9	11.5	8	4.5	97	7.2	36	1.9

** 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 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, 2004

Characteristic	White Non-Hispanic		White Hispanic		Black		Asian		American Indian	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total Live Births	2,444	100.0	888	100.0	17	100.0	192	100.0	7	100.0
Age of Mother										
10-17	21	0.9	57	6.4	0	0.0	0	0.0	0	0.0
18-19	58	2.4	113	12.7	3	17.6	3	1.6	0	0.0
20-29	789	32.3	472	53.2	9	52.9	69	35.9	4	57.1
30+	1,576	64.5	245	27.6	5	29.4	119	62.0	3	42.9
Low Weight Births (<2,500 Grams)	179	7.3	79	8.9	*	*	21	10.9	0	0.0
Very Low Weight Births (<1,500 Grams)	20	0.8	11	1.2	0	0.0	4	2.1	0	0.0
Prenatal Care Later than 1st Trimester/No Care	167	6.8	175	19.8	3	18.8	15	7.9	0	0.0
No Prenatal Care	7	0.3	4	0.5	0	0.0	*	*	0	0.0
Preterm Births (<37 Weeks)	209	8.6	78	8.8	*	*	22	11.5	0	0.0
Education of Mother <12 Years	98	4.0	523	58.9	0	0.0	3	1.6	0	0.0
Live Births to Unmarried Women	343	14.0	345	38.9	7	41.2	12	6.3	3	42.9
Smoking During Pregnancy	130	5.3	19	2.1	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, excluding cases with specific characteristics unknown.

See the 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: Boulder county residents, 2004

Age Group	Births	Population	Fertility Rate
All Ages	3,548	64,771	54.8
Teen Age Groups			
13-14	*	3,570	*
15-17	77	5,540	13.9
18-19	177	5,927	29.9
10-17	78	14,200	5.5
10-19	255	20,126	12.7
All Age Groups			
10-14	*	8,659	*
15-19	254	11,467	22.2
20-24	551	11,577	47.6
25-29	792	9,537	83.0
30-34	1,121	10,473	107.0
35-39	664	10,087	65.8
40-49	163	23,817	6.8

** 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: Boulder county residents, 1994, 2000-2004

	1994	2000	2001	2002	2003	2004	2000-2004 Annual Average
Total Population	252,718	296,438	301,836	281,621	282,588	284,621	289,421
Total Births							
Number	3,070	3,864	3,933	3,656	3,620	3,548	3,724
Birth Rate	12.1	13.0	13.0	13.0	12.8	12.5	12.9
General Fertility Rate	46.5	53.7	54.6	54.8	54.8	54.8	54.5
Age of Mother 10-17							
Number	81	102	85	93	87	78	89
Percent of Total Births	2.6	2.6	2.2	2.5	2.4	2.2	2.4
Fertility Rate	6.7	6.7	5.4	6.5	6.1	5.5	6.0
Low Weight Births (<2,500 Grams)							
Number	213	294	307	253	315	280	290
Percent	6.9	7.6	7.8	6.9	8.7	7.9	7.8
Prenatal Care Later Than 1st Trimester							
Number	481	600	590	512	489	360	510
Percent	16.0	15.6	15.0	14.1	13.5	10.2	13.7
Births to Unmarried Women							
Number	541	711	679	651	665	710	683
Percent	17.6	18.4	17.3	17.8	18.4	20.0	18.3
Mother's Education <12 Years							
Number	351	585	643	635	580	624	613
Percent	12.1	15.3	16.5	17.5	16.3	17.7	16.6
Infant Deaths							
Number	16	20	22	18	17	15	18
Rate	5.2	5.2	5.6	4.9	4.7	4.2	4.9
Neonatal Deaths							
Number	10	15	14	11	15	12	13
Rate	3.3	3.9	3.6	3.0	4.1	3.4	3.6
Total Deaths							
Number	1,222	1,411	1,431	1,424	1,472	1,364	1,420
Crude Rate	483.5	476.0	474.1	505.6	520.9	479.2	490.8
Age-Adjusted Rate	738.6	693.0	664.7	697.7	731.8	619.5	680.0
Cardiovascular Disease							
Number	435	438	454	449	412	398	430
Age-Adjusted Rate	282.1	230.2	222.2	230.1	217.2	191.7	217.9
Heart Disease							

** 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, 1994, 2000-2004

	1994	2000	2001	2002	2003	2004	2000-2004 Annual Average
Number	340	315	308	296	285	276	296
Age-Adjusted Rate	219.9	164.7	149.8	150.9	147.7	131.9	148.8
Cerebrovascular Disease							
Number	92	100	110	126	102	88	105
Age-Adjusted Rate	60.2	53.5	54.6	65.6	56.0	43.1	54.4
Malignant Neoplasms							
Number	276	326	326	315	324	303	319
Age-Adjusted Rate	165.6	158.1	150.0	154.5	155.2	132.5	149.7
Lung Cancer							
Number	52	69	78	75	66	62	70
Age-Adjusted Rate	31.2	35.2	36.8	38.0	32.6	27.7	34.0
Breast Cancer							
Number	31	35	22	24	31	27	28
Age-Adjusted Rate	17.8	15.7	9.9	10.2	13.7	9.7	11.8
Total Unintentional Injuries							
Number	69	89	90	106	123	109	103
Age-Adjusted Rate	30.4	35.5	34.2	43.4	52.0	44.4	41.9
Motor Vehicle							
Number	33	33	29	31	32	29	31
Age-Adjusted Rate	14.2	12.0	9.2	10.9	10.9	10.4	10.7
Other Unintentional Injuries							
Number	36	56	61	75	91	80	73
Age-Adjusted Rate	16.2	23.5	25.0	32.5	41.1	33.9	31.2
Chronic Lower Respiratory Diseases							
Number	78	96	67	75	92	78	82
Age-Adjusted Rate	50.5	50.7	33.5	38.6	50.4	38.5	42.1
Suicide							
Number	34	47	47	38	37	40	42
Age-Adjusted Rate	14.5	15.3	16.1	13.6	12.3	12.8	14.1
Homicide and Legal Intervention							
Number	10	6	3	7	*	4	4
Age-Adjusted Rate	3.7	1.9	0.9	2.3	*	1.4	1.4
Work-Related Injury							
Number	5	3	0	3	4	*	*
Age-Adjusted Rate	2.0	1.1	0.0	0.9	1.6	*	*

** 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, 2004

Cause of Death	All Races		White Non-Hispanic		White Hispanic		Black		Asian		American Indian	
	N	%	N	%	N	%	N	%	N	%	N	%
Total	1,364	100.0	1,279	100.0	60	100.0	8	100.0	12	100.0	5	100.0
Cardiovascular Disease	398	29.2	378	29.6	13	21.7	*	*	3	25.0	*	*
Heart Disease	276	20.2	264	20.6	7	11.7	*	*	*	*	*	*
Cerebrovascular Disease	88	6.5	82	6.4	4	6.7	*	*	*	*	0	0.0
Atherosclerosis	11	0.8	10	0.8	*	*	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	303	22.2	284	22.2	11	18.3	3	37.5	4	33.3	*	*
Lung Cancer	62	4.5	59	4.6	*	*	*	*	0	0.0	*	*
Breast Cancer	27	2.0	25	2.0	*	*	0	0.0	*	*	0	0.0
Chronic Lower Respiratory Disease	78	5.7	77	6.0	0	0.0	0	0.0	*	*	0	0.0
Unintentional Injuries	109	8.0	100	7.8	7	11.7	*	*	0	0.0	*	*
Motor Vehicle	29	2.1	24	1.9	5	8.3	0	0.0	0	0.0	0	0.0
Other Unintentional Injuries	80	5.9	76	5.9	*	*	*	*	0	0.0	*	*
Pneumonia and Influenza	42	3.1	39	3.0	3	5.0	0	0.0	0	0.0	0	0.0
Suicide	40	2.9	36	2.8	3	5.0	*	*	0	0.0	0	0.0
Diabetes Mellitus	32	2.3	29	2.3	*	*	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	19	1.4	16	1.3	*	*	0	0.0	0	0.0	*	*
Alzheimer's Disease	57	4.2	57	4.5	0	0.0	0	0.0	0	0.0	0	0.0
Nephritis, Nephrosis, Nephrotic Syndrome	17	1.2	15	1.2	*	*	0	0.0	*	*	0	0.0
Homicide and Legal Intervention	4	0.3	4	0.3	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia	16	1.2	13	1.0	3	5.0	0	0.0	0	0.0	0	0.0
Congenital Anomalies	7	0.5	5	0.4	*	*	0	0.0	0	0.0	0	0.0
Perinatal Period Conditions	8	0.6	7	0.5	*	*	0	0.0	0	0.0	0	0.0
All Other	233	17.1	218	17.0	12	20.0	*	*	*	*	0	0.0
Injury by Firearm	21	1.5	19	1.5	*	*	0	0.0	0	0.0	0	0.0
Drug-Induced Deaths	32	2.3	29	2.3	*	*	*	*	0	0.0	*	*
Alcohol-Induced Deaths	22	1.6	19	1.5	3	5.0	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

** 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, 2004

Age Group	Deaths	Population	Age-Specific Death Rate
All Ages	1,364	284,621	4.8
Infant	15	3,548	4.2
Neonatal	12	3,548	3.4
1-4	*	14,143	*
5-9	*	16,391	*
10-14	*	17,531	*
15-19	13	23,536	0.6
20-24	12	24,863	0.5
25-29	9	20,462	0.4
30-34	17	22,652	0.8
35-39	16	20,853	0.8
40-44	30	23,116	1.3
45-49	50	24,051	2.1
50-54	65	21,364	3.0
55-59	64	16,400	3.9
60-64	61	10,307	5.9
65-69	77	7,741	9.9
70-74	105	6,052	17.3
75-79	139	4,760	29.2
80-84	229	3,521	65.0
85+	459	3,253	141.1
1-14	3	48,066	0.1
15-24	25	48,399	0.5
25-64	312	159,207	2.0
65+	1,009	25,327	39.8

** 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, 2004

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	4.2	3	0.1	25	0.5	72	0.8	240	3.3	1,009	39.8
Cardiovascular Disease	0	0.0	*	*	0	0.0	7	0.1	34	0.5	356	14.1
Heart Disease	0	0.0	*	*	0	0.0	5	0.1	30	0.4	240	9.5
Cerebrovascular Disease	0	0.0	0	0.0	0	0.0	*	*	4	0.1	82	3.2
Atherosclerosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	0.4
Malignant Neoplasms	0	0.0	*	*	*	*	13	0.1	90	1.2	197	7.8
Lung Cancer	0	0.0	0	0.0	0	0.0	*	*	18	0.2	42	1.7
Breast Cancer	0	0.0	0	0.0	0	0.0	*	*	19	0.3	7	0.3
Chronic Lower Respiratory Diseases	0	0.0	0	0.0	0	0.0	0	0.0	6	0.1	72	2.8
Unintentional Injuries	0	0.0	0	0.0	12	0.2	19	0.2	24	0.3	54	2.1
Motor Vehicle	0	0.0	0	0.0	8	0.2	8	0.1	6	0.1	7	0.3
Other Unintentional Injuries	0	0.0	0	0.0	4	0.1	11	0.1	18	0.2	47	1.9
Pneumonia and Influenza	0	0.0	0	0.0	0	0.0	3	0.0	3	0.0	36	1.4
Suicide	0	0.0	*	*	7	0.1	9	0.1	22	0.3	*	*
Diabetes Mellitus	0	0.0	0	0.0	0	0.0	*	*	5	0.1	25	1.0
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	*	*	12	0.2	6	0.2
Alzheimer's Disease	0	0.0	0	0.0	0	0.0	0	0.0	*	*	56	2.2
Nephritis, Nephrosis, Nephrotic Syndrome	*	*	0	0.0	0	0.0	*	*	*	*	14	0.6
Homicide and Legal Intervention	0	0.0	0	0.0	0	0.0	*	*	*	*	*	*
Septicemia	0	0.0	0	0.0	0	0.0	0	0.0	3	0.0	13	0.5
Congenital Anomalies	3	0.8	0	0.0	*	*	0	0.0	*	*	0	0.0
Perinatal Period Conditions	8	2.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
All Other	3	0.8	0	0.0	*	*	15	0.2	35	0.5	178	7.0
Injury by Firearm	0	0.0	0	0.0	3	0.1	5	0.1	13	0.2	0	0.0
Drug-Induced Deaths	0	0.0	0	0.0	4	0.1	15	0.2	11	0.2	*	*
Alcohol-Induced Deaths	0	0.0	0	0.0	*	*	5	0.1	15	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:
Boulder county residents, 2004**

Cause of Death	N	Rate	Age-Adjusted Rate	Lower Limit	Upper Limit
All Causes	1,364	479.2	619.5	587.3	651.8
Cardiovascular Disease	398	139.8	191.7	173.0	210.3
Heart Disease	276	97.0	131.9	116.3	147.4
Cerebrovascular Disease	88	30.9	43.1	34.1	52.2
Atherosclerosis	11	3.9	5.3	0.1	0.5
Malignant Neoplasms	303	106.5	132.5	117.4	147.7
Lung Cancer	62	21.8	27.7	20.7	34.8
Breast Cancer	27	9.5	9.7	6.0	13.5
Chronic Lower Respiratory Diseases	78	27.4	38.5	29.9	47.0
Unintentional Injuries	109	38.3	44.4	35.8	52.9
Motor Vehicle	29	10.2	10.4	6.5	14.4
Other Unintentional Injuries	78	27.4	33.1	25.6	40.7
Pneumonia and Influenza	42	14.8	20.1	14.0	26.2
Suicide	40	14.1	12.8	8.8	16.8
Diabetes Mellitus	32	11.2	15.0	9.7	20.2
HIV Infection	*	*	*	*	*
Chronic Liver Disease and Cirrhosis	19	6.7	7.1	3.8	10.4
Alzheimer's Disease	57	20.0	28.5	21.1	35.9
Nephritis, Nephrosis, Nephrotic Syndrome	17	6.0	8.0	4.2	11.9
Homicide and Legal Intervention	4	1.4	1.4	0.0	0.2
Septicemia	16	5.6	7.4	3.7	11.1
Congenital Anomalies	7	2.5	2.3	0.0	0.2
Perinatal Period Conditions	8	2.8	3.1	0.0	0.3
All Other	233	81.9	106.5	92.7	120.3
Injury by Firearm	21	7.4	6.6	3.8	9.4
Drug-Induced Deaths	32	11.2	10.6	6.9	14.4
Alcohol-Induced Deaths	22	7.7	7.2	4.1	10.2
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.