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Boulder County Births and Deaths 2003

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Selected birth characteristics: Boulder county residents, 2003

Characteristic	Number	Percent
Total Live Births	3,620	100.0
Age of Mother		
10-17	87	2.4
18-19	136	3.8
20-29	1,379	38.1
30+	2,017	55.7
Low Weight Births (<2,500 Grams)	315	8.7
Very Low Weight Births (<1,500 Grams)	37	1.0
Prenatal Care Later than 1st Trimester/No Care	489	13.5
No Prenatal Care	15	0.4
Preterm Births (<37 Weeks)	329	9.1
Education of Mother <12 Years	580	16.0
Live Births to Unmarried Women	665	18.4
Smoking During Pregnancy	133	3.7

* 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: Boulder county residents, 2003

Characteristic	All Ages		10-17		18-19		20-29		30+	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total Live Births	3,620	100.0	87	100.0	136	100.0	1,379	100.0	2,017	100.0
Race/Ethnicity of Mother										
White Non-Hispanic	2,537	70.1	27	31.0	59	43.4	803	58.2	1,647	81.7
White Hispanic	860	23.8	56	64.4	73	53.7	491	35.6	240	11.9
Black	27	0.7	*	*	*	*	17	1.2	8	0.4
Other	196	5.4	3	3.4	3	2.2	68	4.9	122	6.0
Low Weight Births (<2,500 Grams)	315	8.7	8	9.2	12	8.8	112	8.1	182	9.0
Very Low Weight Births (<1,500 Grams)	37	1.0	0	0.0	5	3.7	12	0.9	19	0.9
Prenatal Care Later than 1st Trimester/No Care	489	13.5	32	36.8	45	33.1	228	16.6	184	9.1
No Prenatal Care	15	0.4	0	0.0	3	2.2	6	0.4	6	0.3
Preterm Births (<37 Weeks)	329	9.1	10	11.5	15	11.0	119	8.6	184	9.1
Education of Mother <12 Years	580	16.0	75	86.2	62	45.6	334	24.2	109	5.4
Live Births to Unmarried Women	665	18.4	71	81.6	84	61.8	383	27.8	127	6.3
Smoking During Pregnancy	133	3.7	3	3.4	13	9.6	84	6.1	33	1.6

* 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 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, 2003

Characteristic	White Non-Hispanic		White Hispanic		Black		Asian		American Indian	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total Live Births	2,537	100.0	860	100.0	27	100.0	183	100.0	13	100.0
Age of Mother										
10-17	27	1.1	56	6.5	*	*	*	*	*	*
18-19	59	2.3	73	8.5	*	*	*	*	*	*
20-29	803	31.7	491	57.1	17	63.0	62	33.9	6	46.2
30+	1,647	64.9	240	27.9	8	29.6	118	64.5	4	30.8
Low Weight Births (<2,500 Grams)	231	9.1	64	7.4	3	11.1	16	8.7	*	*
Very Low Weight Births (<1,500 Grams)	29	1.1	6	0.7	*	*	*	*	0	0.0
Prenatal Care Later than 1st Trimester/No Care	247	9.8	205	23.9	4	14.8	31	16.9	*	*
No Prenatal Care	7	0.3	7	0.8	0	0.0	*	*	0	0.0
Preterm Births (<37 Weeks)	241	9.5	70	8.1	3	11.1	14	7.7	*	*
Education of Mother <12 Years	110	4.3	459	53.4	3	11.1	6	3.3	*	*
Live Births to Unmarried Women	346	13.6	290	33.7	13	48.1	8	4.4	8	61.5
Smoking During Pregnancy	115	4.5	15	1.7	0	0.0	*	*	*	*

** 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 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: Boulder county residents, 2003

Age Group	Births	Population	Fertility Rate
All Ages	3,620	66,109	54.8
Teen Age Groups			
13-14	8	3,591	2.2
15-17	79	5,511	14.3
18-19	136	5,843	23.3
10-17	87	14,366	6.1
10-19	223	20,208	11.0
All Age Groups			
10-14	8	8,854	0.9
15-19	215	11,354	18.9
20-24	561	11,424	49.1
25-29	818	10,216	80.1
30-34	1,170	10,748	108.9
35-39	668	10,427	64.1
40-49	179	24,003	7.5

** 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, 1993, 1999-2003

	1993	1999	2000	2001	2002	2003	1999-2003 Annual Average
Total Population	247,278	283,926	296,438	301,836	281,621	282,588	289,282
Total Births							
Number	3,182	3,569	3,864	3,933	3,656	3,620	3,728
Birth Rate	12.9	12.6	13.0	13.0	13.0	12.8	12.9
General Fertility Rate	48.7	51.1	53.7	54.6	54.8	54.8	53.8
Age of Mother 10-17							
Number	73	114	102	85	93	87	96
Percent of Total Births	2.3	3.2	2.6	2.2	2.5	2.4	2.6
Fertility Rate	6.3	8.0	6.7	5.4	6.5	6.1	6.5
Low Weight Births (<2,500 Grams)							
Number	200	272	294	307	253	315	288
Percent	6.3	7.6	7.6	7.8	6.9	8.7	7.7
Prenatal Care Later Than 1st Trimester							
Number	507	545	600	590	512	489	547
Percent	16.4	15.4	15.6	15.0	14.1	13.5	14.7
Births to Unmarried Women							
Number	493	707	711	679	651	665	683
Percent	15.5	19.8	18.4	17.3	17.8	18.4	18.3
Mother's Education <12 Years							
Number	343	515	585	643	635	580	592
Percent	11.7	14.6	15.3	16.5	17.5	16.3	16.0
Infant Deaths							
Number	12	17	20	22	18	17	19
Rate	3.8	4.8	5.2	5.6	4.9	4.7	5.0
Neonatal Deaths							
Number	7	12	15	14	11	15	13
Rate	2.2	3.4	3.9	3.6	3.0	4.1	3.6
Total Deaths							
Number	1,230	1,386	1,411	1,431	1,424	1,472	1,425
Crude Rate	497.4	488.2	476.0	474.1	505.6	520.9	492.5
Age-Adjusted Rate	761.9	725.2	693.0	664.7	697.7	731.8	701.8
Cardiovascular Disease							
Number	435	466	438	454	449	412	444
Age-Adjusted Rate	290.5	255.1	230.2	222.2	230.1	217.2	230.7
Heart Disease							
Number	336	321	315	308	296	285	305
Age-Adjusted Rate	223.3	174.7	164.7	149.8	150.9	147.7	157.4

(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, 1993, 1999-2003

	1993	1999	2000	2001	2002	2003	1999-2003 Annual Average
Cerebrovascular Disease							
Number	96	106	100	110	126	102	109
Age-Adjusted Rate	65.3	59.3	53.5	54.6	65.6	56.0	57.8
Malignant Neoplasms							
Number	290	300	326	326	315	324	318
Age-Adjusted Rate	178.2	154.8	158.1	150.0	154.5	155.2	154.4
Lung Cancer							
Number	51	80	69	78	75	66	74
Age-Adjusted Rate	31.8	42.1	35.2	36.8	38.0	32.6	36.9
Breast Cancer							
Number	31	22	35	22	24	31	27
Age-Adjusted Rate	18.6	10.9	15.7	9.9	10.2	13.7	12.1
Total Unintentional Injuries							
Number	61	75	89	90	106	123	97
Age-Adjusted Rate	23.3	29.2	35.5	34.2	43.4	52.0	38.8
Motor Vehicle							
Number	35	30	33	29	31	32	31
Age-Adjusted Rate	12.5	9.9	12.0	9.2	10.9	10.9	10.5
Other Unintentional Injuries							
Number	26	45	56	61	75	91	66
Age-Adjusted Rate	10.9	19.3	23.5	25.0	32.5	41.1	28.3
Chronic Lower Respiratory Diseases							
Number	80	105	96	67	75	92	87
Age-Adjusted Rate	53.6	57.9	50.7	33.5	38.6	50.4	45.9
Suicide							
Number	33	30	47	47	38	37	40
Age-Adjusted Rate	14.0	11.7	15.3	16.1	13.6	12.3	13.9
Homicide and Legal Intervention							
Number	7	6	6	3	7	*	5
Age-Adjusted Rate	2.6	2.2	1.9	0.9	2.3	*	1.6
Work-Related Injury							
Number	3	*	3	0	3	4	*
Age-Adjusted Rate	1.0	*	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, 2003

Cause of Death	All Races		White Non-Hispanic		White Hispanic		Black		Asian		American Indian	
	N	%	N	%	N	%	N	%	N	%	N	%
Total	1,472	100.0	1,363	100.0	76	100.0	7	100.0	19	100.0	7	100.0
Cardiovascular Disease	412	28.0	389	28.5	15	19.7	*	*	3	15.8	3	42.9
Heart Disease	285	19.4	267	19.6	12	15.8	*	*	*	*	3	42.9
Cerebrovascular Disease	102	6.9	99	7.3	3	3.9	0	0.0	0	0.0	0	0.0
Atherosclerosis	7	0.5	5	0.4	0	0.0	*	*	*	*	0	0.0
Malignant Neoplasms	324	22.0	308	22.6	9	11.8	0	0.0	6	31.6	*	*
Lung Cancer	66	4.5	64	4.7	*	*	0	0.0	0	0.0	0	0.0
Breast Cancer	31	2.1	31	2.3	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Lower Respiratory Disease	92	6.3	90	6.6	*	*	0	0.0	0	0.0	0	0.0
Unintentional Injuries	123	8.4	105	7.7	15	19.7	0	0.0	*	*	*	*
Motor Vehicle	32	2.2	24	1.8	6	7.9	0	0.0	*	*	0	0.0
Other Unintentional Injuries	91	6.2	81	5.9	9	11.8	0	0.0	0	0.0	*	*
Pneumonia and Influenza	48	3.3	46	3.4	*	*	0	0.0	0	0.0	0	0.0
Suicide	37	2.5	33	2.4	*	*	*	*	0	0.0	*	*
Diabetes Mellitus	28	1.9	25	1.8	3	3.9	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	7	0.5	4	0.3	3	3.9	0	0.0	0	0.0	0	0.0
Alzheimer's Disease	65	4.4	64	4.7	0	0.0	*	*	0	0.0	0	0.0
Nephritis, Nephrosis, Nephrotic Syndrome	18	1.2	15	1.1	3	3.9	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
Septicemia	12	0.8	8	0.6	*	*	0	0.0	*	*	0	0.0
Congenital Anomalies	8	0.5	5	0.4	3	3.9	0	0.0	0	0.0	0	0.0
Perinatal Period Conditions	11	0.7	7	0.5	3	3.9	0	0.0	*	*	0	0.0
All Other	286	19.4	263	19.3	14	18.4	3	42.9	5	26.3	*	*
Injury by Firearm	18	1.2	17	1.2	0	0.0	0	0.0	0	0.0	*	*
Drug-Induced Deaths	29	2.0	25	1.8	*	*	*	*	0	0.0	0	0.0
Alcohol-Induced Deaths	22	1.5	19	1.4	3	3.9	0	0.0	0	0.0	0	0.0
Work-Related Injury (Y/N Check Death Certificate)	4	0.3	3	0.2	*	*	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, 2003

Age Group	Deaths	Population	Age-Specific Death Rate
All Ages	1,472	282,588	5.2
Infant	17	3,620	4.7
Neonatal	15	3,620	4.1
1-4	*	14,023	*
5-9	3	16,683	0.2
10-14	*	17,867	*
15-19	9	23,455	0.4
20-24	13	24,488	0.5
25-29	20	22,072	0.9
30-34	18	23,097	0.8
35-39	17	21,388	0.8
40-44	34	23,727	1.4
45-49	55	23,862	2.3
50-54	57	20,760	2.7
55-59	71	15,190	4.7
60-64	76	9,536	8.0
65-69	86	6,876	12.5
70-74	121	5,388	22.5
75-79	173	4,313	40.1
80-84	212	3,191	66.4
85+	487	2,908	167.5
1-14	6	48,573	0.1
15-24	22	47,943	0.5
25-64	348	159,631	2.2
65+	1,079	22,677	47.6

* 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 by age group: Boulder county residents, 2003

Cause of Death	<1		1-14		15-25		25-44		45-64		65+	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
All Causes	17	4.7	6	0.1	22	0.5	89	1.0	259	3.7	1,079	47.6
Cardiovascular Disease	0	0.0	*	*	0	0.0	4	0.0	52	0.7	355	15.7
Heart Disease	0	0.0	*	*	0	0.0	3	0.0	46	0.7	235	10.4
Cerebrovascular Disease	0	0.0	0	0.0	0	0.0	0	0.0	5	0.1	97	4.3
Atherosclerosis	0	0.0	0	0.0	0	0.0	0	0.0	*	*	6	0.3
Malignant Neoplasms	0	0.0	0	0.0	0	0.0	13	0.1	102	1.5	209	9.2
Lung Cancer	0	0.0	0	0.0	0	0.0	*	*	18	0.3	47	2.1
Breast Cancer	0	0.0	0	0.0	0	0.0	3	0.0	13	0.2	15	0.7
Chronic Lower Respiratory Diseases	0	0.0	0	0.0	0	0.0	0	0.0	6	0.1	86	3.8
Unintentional Injuries	*	*	3	0.1	11	0.2	32	0.4	23	0.3	53	2.3
Motor Vehicle	0	0.0	*	*	7	0.1	14	0.2	6	0.1	3	0.1
Other Unintentional Injuries	*	*	*	*	4	0.1	18	0.2	17	0.2	50	2.2
Pneumonia and Influenza	0	0.0	0	0.0	0	0.0	*	*	3	0.0	44	1.9
Suicide	0	0.0	0	0.0	7	0.1	13	0.1	15	0.2	*	*
Diabetes Mellitus	0	0.0	0	0.0	0	0.0	*	*	7	0.1	20	0.9
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	*	*	3	0.0	*	*
Alzheimer's Disease	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	65	2.9
Nephritis, Nephrosis, Nephrotic Syndrome	0	0.0	0	0.0	0	0.0	0	0.0	3	0.0	15	0.7
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	11	0.5
Congenital Anomalies	3	0.8	0	0.0	*	*	*	*	*	*	*	*
Perinatal Period Conditions	11	3.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
All Other	*	*	*	*	3	0.1	21	0.2	43	0.6	215	9.5
Injury by Firearm	0	0.0	0	0.0	3	0.1	6	0.1	7	0.1	*	*
Drug-Induced Deaths	*	*	0	0.0	*	*	12	0.1	13	0.2	*	*
Alcohol-Induced Deaths	0	0.0	0	0.0	*	*	8	0.1	8	0.1	5	0.2
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.

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, 2003**

Cause of Death	N	Rate	Age-Adjusted Rate	Lower Limit	Upper Limit
All Causes	1,472	520.9	731.8	695.2	768.4
Cardiovascular Disease	412	145.8	217.2	196.3	238.1
Heart Disease	285	100.9	147.7	130.5	164.9
Cerebrovascular Disease	102	36.1	56.0	45.2	66.9
Atherosclerosis	7	2.5	3.6	0.1	0.4
Malignant Neoplasms	324	114.7	155.2	137.9	172.5
Lung Cancer	66	23.4	32.6	24.5	40.6
Breast Cancer	31	11.0	13.7	8.7	18.8
Chronic Lower Respiratory Diseases	92	32.6	50.4	40.1	60.7
Unintentional Injuries	123	43.5	52.0	42.5	61.5
Motor Vehicle	32	11.3	10.9	7.0	14.8
Other Unintentional Injuries	85	30.1	39.0	30.5	47.5
Pneumonia and Influenza	48	17.0	25.2	18.0	32.4
Suicide	37	13.1	12.3	8.2	16.3
Diabetes Mellitus	28	9.9	13.9	8.6	19.1
HIV Infection	0	0.0	0.0	0.0	0.0
Chronic Liver Disease and Cirrhosis	7	2.5	2.9	0.0	0.3
Alzheimer's Disease	65	23.0	36.2	27.4	44.9
Nephritis, Nephrosis, Nephrotic Syndrome	18	6.4	9.4	5.0	13.7
Homicide and Legal Intervention	*	*	*	*	*
Septicemia	12	4.2	6.6	2.8	10.3
Congenital Anomalies	8	2.8	2.9	0.0	0.3
Perinatal Period Conditions	11	3.9	4.0	0.0	0.3
All Other	286	101.2	143.2	126.4	160.0
Injury by Firearm	18	6.4	6.1	3.2	8.9
Drug-Induced Deaths	29	10.3	9.8	6.1	13.4
Alcohol-Induced Deaths	22	7.8	8.6	4.9	12.3
Work-Related Injury (Y/N Check Death Certificate)	4	1.4	1.6	0.0	0.2

** 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.