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Boulder County Births and Deaths 2000

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Selected birth characteristics with 95% confidence limit: Boulder County residents, 2000

CHARACTERISTIC	NUMBER	PERCENT	LOWER LIMIT	UPPER LIMIT
Total Live Births	3,875	100.0	100.0	100.0
Age of Mother				
10-17	101	2.6	2.1	3.1
18-19	175	4.5	3.9	5.2
20-29	1,601	41.3	39.8	42.9
30+	1,996	51.5	49.9	53.1
Low Weight Births (<2,500 Grams)	293	7.6	6.7	8.4
Very Low Weight Births (<1,500 Grams)	45	1.2	0.8	1.5
Prenatal Care Later than 1st Trimester	600	15.6	14.4	16.8
No Prenatal Care	19	0.5	0.3	0.7
Preterm Births (<37 Weeks)	323	8.4	7.5	9.2
Education of Mother <12 Years	588	15.3	14.1	16.5
Births to Unmarried Women	714	18.4	17.2	19.7
Smoking During Pregnancy	167	4.3	3.7	5.0

*Fewer than three 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 the technical notes of Colorado Vital Statistics Annual Report for definitions of data items and explanation of confidence limits. Prepared by Health Statistics Section, Colorado Department of Public Health and Environment.

Selected birth characteristics by age group of mother: Boulder County residents, 2000

CHARACTERISTIC	ALL AGES		10-17		18-19		20-29		30+	
	N	%	N	%	N	%	N	%	N	%
Total Live Births	3,875	100.0	101	100.0	175	100.0	1,601	100.0	1,996	100.0
Race/Ethnicity of Mother										
White/Non-Hispanic	2,759	71.3	39	38.6	71	40.6	983	61.5	1,666	83.6
White/Hispanic	851	22.0	58	57.4	97	55.4	503	31.5	193	9.7
Black	35	0.9	*	*	*	*	22	1.4	11	0.6
Other	225	5.8	4	4.0	6	3.4	91	5.7	124	6.2
Low Weight Births (<2,500 Grams)	293	7.6	12	11.9	14	8.0	98	6.1	169	8.5
Very Low Weight Births (<1,500 Grams)	45	1.2	3	3.0	4	2.3	16	1.0	22	1.1
Prenatal Care Started after 1st Trimester	600	15.6	42	41.6	61	35.1	300	18.9	196	9.9
No Prenatal Care	19	0.5	*	*	*	*	8	0.5	8	0.4
Preterm Births (<37 Weeks)	323	8.4	10	9.9	17	9.7	101	6.3	195	9.8
Education of Mother <12 Years	588	15.3	80	80.8	83	48.3	339	21.4	86	4.3
Births to Unmarried Women	714	18.4	83	82.2	107	61.1	402	25.1	121	6.1
Smoking During Pregnancy	167	4.3	9	8.9	20	11.6	86	5.4	52	2.6

*Fewer than three 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 the technical notes of Colorado Vital Statistics Annual Report for definition of data items and explanation of confidence limits. Prepared by Health Statistics Section, Colorado Department of Public Health and Environment.

Selected birth characteristics by race/ethnicity of mother: Boulder County residents, 2000

CHARACTERISTIC	WHITE/ NON-HISPANIC		WHITE /HISPANIC		BLACK		ASIAN		AMERICAN INDIAN	
	N	%	N	%	N	%	N	%	N	%
Total Live Births	2,759	100.0	851	100.0	35	100.0	207	100.0	18	100.0
Age of Mother										
10-17	39	1.4	58	6.8	*	*	*	*	3	16.7
18-19	71	2.6	97	11.4	*	*	*	*	4	22.2
20-29	983	35.6	503	59.1	22	64.7	83	40.1	8	44.4
30+	1,666	60.4	193	22.7	11	32.4	121	58.5	3	16.7
Low Weight Births (<2,500 Grams)	217	7.9	56	6.6	3	8.6	14	6.8	3	16.7
Very Low Weight Births (<1,500 Grams)		321.2	10	1.2	*	*	*	*	*	*
Prenatal Care Later than 1st Trimester	337	12.3	226	26.6	8	22.9	24	11.6	4	22.2
No Prenatal Care	13	0.5	6	0.7	*	*	*	*	*	*
Preterm Births (<37 Weeks)	244	8.9	62	7.3	4	11.4	12	5.8	*	*
Education of Mother <12 Years	133	4.8	437	52.1	5	14.3	8	3.9	4	22.2
Live Births to Unmarried Women	393	14.2	289	34.0	14	40.0	8	3.9	10	55.6
Mother Smoking During Pregnancy	140	5.1	21	2.5	3	8.6	*	*	*	*

*Fewer than three events in the category. Sums may not add to total due to cases with age or race/ethnicity of mother unknown or not presented. Percentages are of total births of each race/ethnicity group, excluding cases with specific characteristics unknown. Prepared by Health Statistics Section, Colorado Department of Public Health and Environment.

Live births and fertility rates with 95% confidence limits by age of mother: Boulder County residents, 2000

	BIRTHS	POPULATION	FERTILITY RATE	LOWER LIMIT	UPPER LIMIT
ALL AGES	3,875	71,167	54.4	52.8	56.1
TEENAGE GROUP					
13-14	4	3,789	1.1	0.0	2.2
15-17	97	5,310	18.3	14.6	22.0
18-19	175	5,614	31.2	26.5	35.8
10-17	101	14,967	6.7	5.4	8.1
10-19	276	20,581	13.4	11.8	15.0
ALL AGE GROUPS					
10-14	4	9,657	0.4	0.0	0.9
15-19	272	10,924	24.9	21.9	27.9
20-24	660	12,707	51.9	48.0	55.8
25-29	941	10,831	86.9	81.5	92.2
30-34	1,117	10,893	102.5	96.8	108.3
35-39	691	12,362	55.9	51.8	60.0
40-49	188	25,569	7.4	6.3	8.4

*Fewer than three 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 aged 15-44. See the technical notes of Colorado Vital Statistics Annual Report for explanation of confidence limits. Prepared by Health Statistics Section, Colorado Department of Public Health and Environment.

Vital statistics summary: Boulder County residents, 1990, 1996-2000

	1990	1996	1997	1998	1999	2000	1996-2000 ANNUAL AVERAGE
TOTAL POPULATION	226,017	261,760	266,064	274,112	283,929	292,887	275,750
Total Births							
Number	3,320	3,260	3,254	3,460	3,620	3,875	3,494
Birth Rate	14.7	12.5	12.2	12.6	12.7	13.2	12.7
General Fertility Rate	53.8	48.8	48.5	50.7	51.8	54.4	50.9
Age of Mother 10-17							
Number	66	96	85	89	115	101	97
Percent of Total Births	2.0	2.9	2.6	2.6	3.2	2.6	2.8
Fertility Rate	6.5	7.5	6.5	6.5	8.0	6.7	7.1
Low Weight Births (<2,500 Grams)							
Number	204	262	242	250	279	292	265
Percent	6.1	8.0	7.4	7.2	7.7	7.5	7.6
Prenatal Care Later Than 1st Trimester							
Number	740	588	520	510	564	600	556
Percent	22.8	18.3	16.0	14.8	15.7	15.6	16.0
Births to Unmarried Women							
Number	451	614	634	629	721	714	662
Percent	13.6	18.8	19.5	18.2	19.9	18.4	19.0
Mother's Education <12 Years							
Number	375	395	420	434	535	588	474
Percent	11.6	12.3	13.1	12.7	15.0	15.3	13.7
Infant Deaths							
Number	23	14	20	12	18	20	17
Rate	6.9	4.3	6.1	3.5	5.0	5.2	4.8
Neonatal Deaths							
Number	15	7	19	5	13	15	12
Rate	4.5	2.1	5.8	1.4	3.6	3.9	3.4
Total Deaths							
Number	1,094	1,355	1,306	1,383	1,395	1,415	1,371
Crude Rate	484.0	517.6	490.9	504.5	491.3	483.1	497.1
Age-Adjusted Rate	756.1	779.2	733.1	751.1	730.3	703.9	738.3
Cardiovascular Disease							
Number	392	456	421	436	466	439	444
Age-Adjusted Rate	290.6	278.1	249.3	245.6	255.0	233.7	251.6
Heart Disease							
Number	316	347	321	332	323	316	328
Age-Adjusted Rate	233.7	210.4	190.0	185.1	175.6	167.3	184.8
Cerebrovascular Disease							
Number	77	106	105	106	106	100	105
Age-Adjusted Rate	57.6	65.8	62.5	61.6	59.3	54.2	60.5
Malignant Neoplasms							
Number	257	333	277	303	305	326	309
Age-Adjusted Rate	176.7	190.2	153.9	164.9	157.7	160.4	165.0
Lung Cancer							
Number	62	72	53	83	81	69	72
Age-Adjusted Rate	43.3	42.2	29.8	45.4	42.5	35.7	39.1
Breast Cancer							
Number	25	30	19	21	22	35	25
Age-Adjusted Rate	16.5	16.4	10.6	11.0	10.9	15.9	13.0
Total Unintentional Injuries							
Number	74	85	85	71	77	90	82
Age-Adjusted Rate	38.0	36.2	39.2	29.0	30.4	36.3	34.2
Motor Vehicle							
Number	36	30	24	33	33	34	31
Age-Adjusted Rate	15.9	11.7	8.8	11.1	11.4	12.4	11.1
Other Unintentional Injuries							
Number	38	55	61	38	44	56	51
Age-Adjusted Rate	22.1	24.6	30.4	17.9	19.0	23.8	23.0
Chronic Lower Respiratory Diseases							
Number	63	79	102	98	105	97	96
Age-Adjusted Rate	46.5	49.1	62.1	58.4	57.8	51.9	55.8
Suicide							
Number	29	37	35	43	30	47	38
Age-Adjusted Rate	13.2	14.4	12.9	17.4	11.7	15.5	14.4
Homicide and Legal Intervention							
Number	5	4	6	7	6	6	6
Age-Adjusted Rate	1.8	1.3	2.1	2.6	2.2	1.9	2.0
Work-Related Injury							
Number	3	*	8	4	*	3	4
Age-Adjusted Rate	1.1	*	3.2	1.4	*	1.1	1.4

*Fewer than three events in the category. Birth rates are per 1,000 total population. General fertility rates are births per 1,000 females aged 15-44. Fertility rates for mothers age 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. Prepared by Health Statistics Section, Colorado Department of Public Health and Environment.

Deaths from selected causes by race/ethnicity: Boulder County residents, 2000

CAUSE OF DEATH (ICD-10)	ALL RACES		WHITE/ NON-HISPANIC		WHITE /HISPANIC		BLACK		ASIAN		AMERICAN INDIAN	
	N	%	N	%	N	%	N	%	N	%	N	%
TOTAL	1,415	100.0	1,331	100.0	63	100.0	8	100.0	10	100.0	3	100.0
Cardiovascular Disease	439	31.0	417	31.3	18	28.6	*	*	*	*	*	*
Heart Disease	316	22.3	305	22.9	10	15.9	*	*	*	*	*	*
Cerebrovascular Disease	100	7.1	93	7.0	5	7.9	*	*	*	*	*	*
Atherosclerosis	11	0.8	7	0.5	3	4.8	*	*	*	*	*	*
Malignant Neoplasms	326	23.0	318	23.9	7	11.1	*	*	*	*	*	*
Lung Cancer	69	4.9	68	5.1	*	*	*	*	*	*	*	*
Breast Cancer	35	2.5	33	2.5	*	*	*	*	*	*	*	*
Chronic Lower Respiratory Disease	97	6.9	93	7.0	3	4.8	*	*	*	*	*	*
Unintentional Injuries	90	6.4	77	5.8	10	15.9	*	*	3	30.0	*	*
Motor Vehicle	34	2.4	29	2.2	*	*	*	*	3	30.0	*	*
Other Unintentional Injuries	56	4.0	48	3.6	8	12.7	*	*	*	*	*	*
Pneumonia and Influenza	35	2.5	35	2.6	*	*	*	*	*	*	*	*
Suicide	47	3.3	43	3.2	3	4.8	*	*	*	*	*	*
Diabetes Mellitus	34	2.4	27	2.0	6	9.5	*	*	*	*	*	*
HIV Infection	6	0.4	5	0.4	*	*	*	*	*	*	*	*
Chronic Liver Disease and Cirrhosis	14	1.0	12	0.9	*	*	*	*	*	*	*	*
Alzheimer's Disease	45	3.2	43	3.2	*	*	*	*	*	*	*	*
Nephritis, Nephrosis, Nephrotic Syndrome	25	1.8	24	1.8	*	*	*	*	*	*	*	*
Homicide and Legal Intervention	6	0.4	6	0.5	*	*	*	*	*	*	*	*
Septicemia	11	0.8	11	0.8	*	*	*	*	*	*	*	*
Congenital Anomalies	6	0.4	5	0.4	*	*	*	*	*	*	*	*
Perinatal Period Conditions	12	0.8	8	0.6	3	4.8	*	*	*	*	*	*
All Other	222	15.7	207	15.6	9	14.3	3	37.5	*	*	*	*
Injury by Firearm	31	2.2	29	2.2	*	*	*	*	*	*	*	*
Drug-Induced Deaths	19	1.3	14	1.1	5	7.9	*	*	*	*	*	*
Alcohol-Induced Deaths	19	1.3	17	1.3	*	*	*	*	*	*	*	*
Work-Related Injury	3	0.2	*	*	*	*	*	*	*	*	*	*

*Fewer than three events in the category. Percentages are of total deaths of each race/ethnicity category. Prepared by Health Statistics Section, Colorado Department of Public Health and Environment.

Deaths and crude death rates with 95% confidence limits by age group: Boulder County residents, 2000

AGE GROUP	DEATHS	POPULATION	AGE-SPECIFIC DEATH RATE	LOWER LIMIT	UPPER LIMIT
ALL AGES	1,415	292,887	4.8	4.6	5.1
INFANT	20	3,875	5.2	2.8	7.5
NEONATAL	15	3,875	3.9	1.8	6.0
1-4	3	14,085	0.2	0.0	0.5
5-9	4	18,834	0.2	0.0	0.4
10-14	7	19,640	0.4	0.1	0.6
15-19	11	22,552	0.5	0.2	0.8
20-24	13	27,746	0.5	0.2	0.7
25-29	16	23,969	0.7	0.3	1.0
30-34	18	22,751	0.8	0.4	1.2
35-39	19	24,824	0.8	0.4	1.1
40-44	41	26,584	1.5	1.1	2.0
45-49	51	24,463	2.1	1.5	2.7
50-54	53	19,934	2.7	1.9	3.4
55-59	58	12,629	4.6	3.4	5.8
60-64	65	8,592	7.6	5.7	9.5
65-69	93	6,681	13.9	11.0	16.8
70-74	129	5,527	23.3	19.3	27.4
75-79	174	4,499	38.7	32.9	44.4
80-84	205	3,183	64.4	55.7	73.1
85+	435	2,912	149.4	136.3	162.5
1-14	14	52,559	0.3	0.1	0.4
15-24	24	50,298	0.5	0.3	0.7
25-64	321	163,746	2.0	1.7	2.2
65+	1,036	22,802	45.4	42.7	48.2

*Fewer than three 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. Prepared by Health Statistics Section, Colorado Department of Public Health and Environment.

Deaths and crude death rates from selected causes by age group: Boulder County residents, 2000

CAUSE OF DEATH (ICD-10)	<1		1-14		15-24		25-44		45-64		65+	
	N	RATE	N	RATE	N	RATE	N	RATE	N	RATE	N	RATE
TOTAL	20	5.2	14	0.3	24	0.5	94	1.0	227	3.5	1,036	45.4
Cardiovascular Disease	*	*	*	*	*	*	10	0.1	35	0.5	394	17.3
Heart Disease	*	*	*	*	*	*	8	0.1	29	0.4	279	12.2
Cerebrovascular Disease	*	*	*	*	*	*	*	*	4	0.1	94	4.1
Atherosclerosis	*	*	*	*	*	*	*	*	*	*	10	0.4
Malignant Neoplasms	*	*	4	0.1	*	*	16	0.2	84	1.3	221	9.7
Lung Cancer	*	*	*	*	*	*	*	*	14	0.2	55	2.4
Breast Cancer	*	*	*	*	*	*	4	0.0	12	0.2	19	0.8
Chronic Lower Respiratory Diseases	*	*	*	*	*	*	*	*	9	0.1	85	3.7
Unintentional Injuries	*	*	4	0.1	10	0.2	27	0.3	16	0.2	33	1.4
Motor Vehicle	*	*	*	*	6	0.1	13	0.1	5	0.1	8	0.4
Other Unintentional Injuries	*	*	*	*	4	0.1	14	0.1	11	0.2	25	1.1
Pneumonia and Influenza	*	*	*	*	*	*	*	*	*	*	32	1.4
Suicide	*	*	*	*	9	0.2	15	0.2	19	0.3	4	0.2
Diabetes Mellitus	*	*	*	*	*	*	*	*	12	0.2	20	0.9
HIV Infection	*	*	*	*	*	*	4	0.0	*	*	*	*
Chronic Liver Disease and Cirrhosis	*	*	*	*	*	*	3	0.0	8	0.1	3	0.1
Alzheimer's Disease	*	*	*	*	*	*	*	*	*	*	44	1.9
Nephritis, Nephrosis, Nephrotic Syndrome	*	*	*	*	*	*	*	*	4	0.1	20	0.9
Homicide and Legal Intervention	*	*	*	*	*	*	*	*	*	*	*	*
Septicemia	*	*	*	*	*	*	*	*	3	0.0	8	0.4
Congenital Anomalies	*	*	*	*	*	*	*	*	*	*	*	*
Perinatal Period Conditions	12	3.1	*	*	*	*	*	*	*	*	*	*
All Other	7	1.8	3	0.1	*	*	10	0.1	32	0.5	169	7.4
Injury by Firearm	*	*	*	*	5	0.1	8	0.1	12	0.2	4	0.2
Drug-Induced Deaths	*	*	*	*	*	*	11	0.1	5	0.1	*	*
Alcohol-Induced Deaths	*	*	*	*	*	*	5	0.1	12	0.2	*	*
Work-Related Injury	*	*	*	*	*	*	*	*	3	0.0	*	*

*Fewer than three events in the category. Crude death rates are calculated without age adjustment. Infant (<1 year) mortality rates are per 1,000 live births. Other rates are deaths per 1,000 population of the age group. Prepared by 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, 2000

CAUSE OF DEATH (ICD-10)	DEATHS	CRUDE RATE	AGE-ADJUSTED DEATH RATE		
			RATE	LOWER LIMIT	UPPER LIMIT
TOTAL	1,415	483.1	703.9	667.9	739.9
Cardiovascular Disease	439	149.9	233.7	212.1	255.4
Heart Disease	316	107.9	167.3	149.0	185.7
Cerebrovascular Disease	100	34.1	54.2	43.6	64.8
Atherosclerosis	11	3.8	5.9	2.4	9.3
Malignant Neoplasms	326	111.3	160.4	142.8	178.1
Lung Cancer	69	23.6	35.7	27.1	44.2
Breast Cancer	35	12.0	15.9	10.5	21.3
Chronic Lower Respiratory Diseases	97	33.1	51.9	41.5	62.3
Unintentional Injuries	90	30.7	36.3	28.4	44.1
Motor Vehicle	34	11.6	12.4	8.1	16.8
Other Unintentional Injuries	56	19.1	23.8	17.3	30.3
Pneumonia and Influenza	35	12.0	18.6	12.4	24.7
Suicide	47	16.0	15.5	10.9	20.0
Diabetes Mellitus	34	11.6	16.1	10.6	21.7
HIV Infection	6	2.0	2.1	0.4	3.8
Chronic Liver Disease and Cirrhosis	14	4.8	5.7	2.6	8.7
Alzheimer's Disease	45	15.4	24.4	17.3	31.6
Nephritis, Nephrosis, Nephrotic Syndrome	25	8.5	12.6	7.6	17.7
Homicide and Legal Intervention	6	2.0	1.9	0.4	3.4
Septicemia	11	3.8	5.4	2.1	8.7
Congenital Anomalies	6	2.0	2.6	0.5	4.7
Perinatal Period Conditions	12	4.1	4.8	2.1	7.5
All Other	222	75.8	112.0	97.1	126.8
Injury by Firearm	31	10.6	10.8	6.9	14.7
Drug-Induced Deaths	19	6.5	6.1	3.3	9.0
Alcohol-Induced Deaths	19	6.5	6.9	3.7	10.0
Work-Related Injury	3	1.0	1.1	0.0	2.4

*Fewer than three 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. Prepared by Health Statistics Section, Colorado Department of Public Health and Environment.