

For more information about these tables contact the [Health Statistics Section](#) of the Colorado Department of Public Health and Environment at 303.692.2160.

# Grand County Births and Deaths 2003

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## Selected birth characteristics: Grand county residents, 2003

Characteristic	Number	Percent
Total Live Births	153	100.0
Age of Mother		
10-17	*	*
18-19	8	5.2
20-29	61	39.9
30+	83	54.2
Low Weight Births (<2,500 Grams)	19	12.4
Very Low Weight Births (<1,500 Grams)	3	2.0
Prenatal Care Later than 1st Trimester/No Care	15	10.3
No Prenatal Care	0	0.0
Preterm Births (<37 Weeks)	21	13.7
Education of Mother <12 Years	20	13.1
Live Births to Unmarried Women	31	20.3
Smoking During Pregnancy	16	10.5

\* 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 age group of mother: Grand county residents, 2003**

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>	153	100.0	*	*	8	100.0	61	100.0	83	100.0
<b>Race/Ethnicity of Mother</b>										
<b>White Non-Hispanic</b>	132	86.3	*	*	5	62.5	52	85.2	74	89.2
<b>White Hispanic</b>	16	10.5	0	0.0	3	37.5	7	11.5	6	7.2
<b>Black</b>	*	*	0	0.0	0	0.0	*	*	*	*
<b>Other</b>	3	2.0	0	0.0	0	0.0	*	*	*	*
<b>Low Weight Births (&lt;2,500 Grams)</b>	19	12.4	*	*	3	37.5	8	13.1	7	8.4
<b>Very Low Weight Births (&lt;1,500 Grams)</b>	3	2.0	*	*	0	0.0	0	0.0	*	*
<b>Prenatal Care Later than 1st Trimester/No Care</b>	15	10.3	0	0.0	*	*	10	16.9	3	3.8
<b>No Prenatal Care</b>	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<b>Preterm Births (&lt;37 Weeks)</b>	21	13.7	*	*	3	37.5	7	11.5	10	12.0
<b>Education of Mother &lt;12 Years</b>	20	13.1	*	*	4	50.0	10	16.4	5	6.0
<b>Live Births to Unmarried Women</b>	31	20.3	*	*	4	50.0	22	36.1	4	4.8
<b>Smoking During Pregnancy</b>	16	10.5	0	0.0	0	0.0	12	19.7	4	4.8

\* 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: Grand 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	132	100.0	16	100.0	*	*	*	*	*	*
Age of Mother										
10-17	*	*	0	0.0	0	0.0	0	0.0	0	0.0
18-19	5	3.8	3	18.8	0	0.0	0	0.0	0	0.0
20-29	52	39.4	7	43.8	*	*	0	0.0	*	*
30+	74	56.1	6	37.5	*	*	*	*	*	*
Low Weight Births (<2,500 Grams)	17	12.9	*	*	*	*	0	0.0	0	0.0
Very Low Weight Births (<1,500 Grams)	3	2.3	0	0.0	0	0.0	0	0.0	0	0.0
Prenatal Care Later than 1st Trimester/No Care	11	8.7	3	20.0	*	*	0	0.0	0	0.0
No Prenatal Care	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Preterm Births (<37 Weeks)	18	13.6	*	*	*	*	0	0.0	0	0.0
Education of Mother <12 Years	13	9.8	6	37.5	0	0.0	0	0.0	*	*
Live Births to Unmarried Women	25	18.9	5	31.3	0	0.0	0	0.0	*	*
Smoking During Pregnancy	13	9.8	*	*	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 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](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: Grand county residents, 2003**

<b>Age Group</b>	<b>Births</b>	<b>Population</b>	<b>Fertility Rate</b>
<b>All Ages</b>	153	2,887	53.0
<b>Teen Age Groups</b>			
<b>13-14</b>	0	166	0.0
<b>15-17</b>	*	270	*
<b>18-19</b>	8	159	50.3
<b>10-17</b>	*	659	*
<b>10-19</b>	9	818	11.0
<b>All Age Groups</b>			
<b>10-14</b>	0	389	0.0
<b>15-19</b>	9	429	21.0
<b>20-24</b>	28	319	87.8
<b>25-29</b>	33	471	70.1
<b>30-34</b>	49	507	96.6
<b>35-39</b>	28	564	49.6
<b>40-49</b>	6	1,238	4.8

*\* 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](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: Grand county residents, 1993, 1999-2003**

	1993	1999	2000	2001	2002	2003	1999-2003 Annual Average
<b>Total Population</b>	8,923	11,997	12,885	13,252	13,421	13,727	13,056
<b>Total Births</b>							
Number	83	154	149	160	160	153	155
Birth Rate	9.3	12.8	11.6	12.1	11.9	11.1	11.9
General Fertility Rate	39.3	57.5	52.4	55.3	55.6	53.0	54.7
<b>Age of Mother 10-17</b>							
Number	*	3	3	3	*	*	*
Percent of Total Births	*	1.9	2.0	1.9	*	*	*
Fertility Rate	*	4.9	4.5	4.5	*	*	*
<b>Low Weight Births (&lt;2,500 Grams)</b>							
Number	6	22	18	18	16	19	19
Percent	7.2	14.3	12.1	11.3	10.0	12.4	12.0
<b>Prenatal Care Later Than 1st Trimester</b>							
Number	12	10	18	20	26	15	18
Percent	14.8	6.5	12.2	13.2	16.5	10.3	11.8
<b>Births to Unmarried Women</b>							
Number	10	32	32	39	33	31	33
Percent	12.0	20.8	21.5	24.4	20.6	20.3	21.5
<b>Mother's Education &lt;12 Years</b>							
Number	5	5	14	13	14	20	13
Percent	6.2	3.3	9.5	8.5	8.8	13.2	8.7
<b>Infant Deaths</b>							
Number	0	*	0	*	0	0	*
Rate	0.0	*	0.0	*	0.0	0.0	*
<b>Neonatal Deaths</b>							
Number	0	*	0	0	0	0	*
Rate	0.0	*	0.0	0.0	0.0	0.0	*
<b>Total Deaths</b>							
Number	38	55	71	60	56	55	59
Crude Rate	425.9	458.4	551.0	452.8	417.3	400.7	454.9
Age-Adjusted Rate	807.7	761.7	940.0	717.1	550.9	642.0	713.1
<b>Cardiovascular Disease</b>							
Number	12	17	26	16	27	13	20
Age-Adjusted Rate	305.9	226.5	381.3	235.8	316.1	198.4	270.0
<b>Heart Disease</b>							
Number	10	12	19	10	19	9	14
Age-Adjusted Rate	266.4	144.2	264.2	146.3	223.5	139.9	183.6

(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: Grand county residents, 1993, 1999-2003**

	1993	1999	2000	2001	2002	2003	1999-2003 Annual Average
<b>Cerebrovascular Disease</b>							
Number	*	4	3	6	4	*	4
Age-Adjusted Rate	*	72.2	59.8	89.5	44.4	*	58.0
<b>Malignant Neoplasms</b>							
Number	11	8	11	15	11	13	12
Age-Adjusted Rate	200.9	95.8	131.3	166.2	79.9	105.2	115.2
<b>Lung Cancer</b>							
Number	*	*	4	*	5	*	*
Age-Adjusted Rate	*	*	44.4	*	35.0	*	*
<b>Breast Cancer</b>							
Number	*	0	*	4	0	*	*
Age-Adjusted Rate	*	0.0	*	37.8	0.0	*	*
<b>Total Unintentional Injuries</b>							
Number	3	8	11	6	8	5	8
Age-Adjusted Rate	36.9	66.6	110.5	39.1	59.9	55.0	65.8
<b>Motor Vehicle</b>							
Number	*	5	4	4	4	0	3
Age-Adjusted Rate	*	45.6	28.4	25.2	32.0	0.0	25.8
<b>Other Unintentional Injuries</b>							
Number	*	3	7	*	4	5	4
Age-Adjusted Rate	*	21.1	82.2	*	27.9	55.0	40.0
<b>Chronic Lower Respiratory Diseases</b>							
Number	3	4	*	*	4	*	*
Age-Adjusted Rate	64.6	62.3	*	*	56.1	*	*
<b>Suicide</b>							
Number	*	*	3	*	*	*	*
Age-Adjusted Rate	*	*	20.7	*	*	*	*
<b>Homicide and Legal Intervention</b>							
Number	*	0	*	*	0	0	*
Age-Adjusted Rate	*	0.0	*	*	0.0	0.0	*
<b>Work-Related Injury</b>							
Number	0	0	0	*	*	0	*
Age-Adjusted Rate	0.0	0.0	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: Grand county residents, 2003**

Cause of Death	All Races		White Non-Hispanic		White Hispanic		Black		Asian		American Indian	
	N	%	N	%	N	%	N	%	N	%	N	%
<b>Total</b>	55	100.0	54	100.0	*	*	0	0.0	0	0.0	0	0.0
<b>Cardiovascular Disease</b>	13	23.6	13	24.1	0	0.0	0	0.0	0	0.0	0	0.0
Heart Disease	9	16.4	9	16.7	0	0.0	0	0.0	0	0.0	0	0.0
Cerebrovascular Disease	*	*	*	*	0	0.0	0	0.0	0	0.0	0	0.0
Atherosclerosis	*	*	*	*	0	0.0	0	0.0	0	0.0	0	0.0
<b>Malignant Neoplasms</b>	13	23.6	13	24.1	0	0.0	0	0.0	0	0.0	0	0.0
Lung Cancer	*	*	*	*	0	0.0	0	0.0	0	0.0	0	0.0
Breast Cancer	*	*	*	*	0	0.0	0	0.0	0	0.0	0	0.0
<b>Chronic Lower Respiratory Disease</b>	*	*	*	*	0	0.0	0	0.0	0	0.0	0	0.0
<b>Unintentional Injuries</b>	5	9.1	5	9.3	0	0.0	0	0.0	0	0.0	0	0.0
Motor Vehicle	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Other Unintentional Injuries	5	9.1	5	9.3	0	0.0	0	0.0	0	0.0	0	0.0
<b>Pneumonia and Influenza</b>	*	*	*	*	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>	*	*	*	*	0	0.0	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
<b>Alzheimer's Disease</b>	0	0.0	0	0.0	0	0.0	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	0	0.0	0	0.0
<b>Septicemia</b>	*	*	*	*	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	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>	15	27.3	14	25.9	*	*	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	0	0.0	0	0.0
<b>Drug-Induced Deaths</b>	*	*	*	*	*	*	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	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: Grand county residents, 2003

Age Group	Deaths	Population	Age-Specific Death Rate
All Ages	55	13,727	4.0
Infant	0	153	0.0
Neonatal	0	153	0.0
1-4	*	677	*
5-9	0	764	0.0
10-14	*	801	*
15-19	*	871	*
20-24	*	736	*
25-29	0	1,024	0.0
30-34	0	1,159	0.0
35-39	*	1,126	*
40-44	*	1,201	*
45-49	6	1,340	4.5
50-54	*	1,218	*
55-59	4	874	4.6
60-64	*	593	*
65-69	5	439	11.4
70-74	5	365	13.7
75-79	6	206	29.1
80-84	7	102	68.6
85+	11	73	150.7
1-14	*	2,242	*
15-24	3	1,607	1.9
25-64	16	8,535	1.9
65+	34	1,185	28.7

\* 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 by age group: Grand 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	0	0.0	*	*	3	1.9	3	0.7	13	3.2	34	28.7
Cardiovascular Disease	0	0.0	0	0.0	0	0.0	0	0.0	*	*	11	9.3
Heart Disease	0	0.0	0	0.0	0	0.0	0	0.0	*	*	7	5.9
Cerebrovascular Disease	0	0.0	0	0.0	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	*	*
Malignant Neoplasms	0	0.0	0	0.0	0	0.0	0	0.0	6	1.5	7	5.9
Lung Cancer	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	*	*
Breast Cancer	0	0.0	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	0	0.0	*	*
Unintentional Injuries	0	0.0	0	0.0	3	1.9	0	0.0	0	0.0	*	*
Motor Vehicle	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Other Unintentional Injuries	0	0.0	0	0.0	3	1.9	0	0.0	0	0.0	*	*
Pneumonia and Influenza	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	*	*
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
Alzheimer's Disease	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
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	0	0.0
Septicemia	0	0.0	0	0.0	0	0.0	*	*	0	0.0	0	0.0
Congenital Anomalies	0	0.0	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	0	0.0	3	0.7	10	8.4
Injury by Firearm	0	0.0	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	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:  
Grand county residents, 2003**

Cause of Death	N	Rate	Age-Adjusted Rate	Lower Limit	Upper Limit
All Causes	55	400.7	642.0	461.8	822.2
Cardiovascular Disease	13	94.7	198.4	86.3	310.6
Heart Disease	9	65.6	139.9	215.0	266.2
Cerebrovascular Disease	*	*	*	*	*
Atherosclerosis	*	*	*	*	*
Malignant Neoplasms	13	94.7	105.2	44.5	165.9
Lung Cancer	*	*	*	*	*
Breast Cancer	*	*	*	*	*
Chronic Lower Respiratory Diseases	*	*	*	*	*
Unintentional Injuries	5	36.4	55.0	51.7	78.5
Motor Vehicle	0	0.0	0.0	0.0	0.0
Other Unintentional Injuries	3	21.9	37.7	38.5	62.0
Pneumonia and Influenza	*	*	*	*	*
Suicide	*	*	*	*	*
Diabetes Mellitus	*	*	*	*	*
HIV Infection	0	0.0	0.0	0.0	0.0
Chronic Liver Disease and Cirrhosis	*	*	*	*	*
Alzheimer's Disease	0	0.0	0.0	0.0	0.0
Nephritis, Nephrosis, Nephrotic Syndrome	*	*	*	*	*
Homicide and Legal Intervention	0	0.0	0.0	0.0	0.0
Septicemia	*	*	*	*	*
Congenital Anomalies	0	0.0	0.0	0.0	0.0
Perinatal Period Conditions	0	0.0	0.0	0.0	0.0
All Other	15	109.3	186.6	83.3	289.8
Injury by Firearm	0	0.0	0.0	0.0	0.0
Drug-Induced Deaths	*	*	*	*	*
Alcohol-Induced Deaths	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

*\* 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.*