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# Douglas County Births and Deaths 2003

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## Selected birth characteristics: Douglas county residents, 2003

Characteristic	Number	Percent
Total Live Births	3,992	100.0
Age of Mother		
10-17	23	0.6
18-19	69	1.7
20-29	1,438	36.0
30+	2,461	61.7
Low Weight Births (<2,500 Grams)	347	8.7
Very Low Weight Births (<1,500 Grams)	48	1.2
Prenatal Care Later than 1st Trimester/No Care	222	5.7
No Prenatal Care	6	0.2
Preterm Births (<37 Weeks)	403	10.1
Education of Mother <12 Years	114	2.9
Live Births to Unmarried Women	258	6.5
Smoking During Pregnancy	122	3.1

\* 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: Douglas 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>	3,992	100.0	23	100.0	69	100.0	1,438	100.0	2,461	100.0
<b>Race/Ethnicity of Mother</b>										
<b>White Non-Hispanic</b>	3,502	87.7	14	60.9	59	85.5	1,237	86.0	2,191	89.0
<b>White Hispanic</b>	240	6.0	8	34.8	8	11.6	114	7.9	110	4.5
<b>Black</b>	45	1.1	*	*	*	*	13	0.9	30	1.2
<b>Other</b>	205	5.1	0	0.0	*	*	74	5.1	130	5.3
<b>Low Weight Births (&lt;2,500 Grams)</b>	347	8.7	4	17.4	6	8.7	111	7.7	225	9.1
<b>Very Low Weight Births (&lt;1,500 Grams)</b>	48	1.2	*	*	0	0.0	17	1.2	30	1.2
<b>Prenatal Care Later than 1st Trimester/No Care</b>	222	5.7	10	45.5	19	28.4	107	7.6	86	3.6
<b>No Prenatal Care</b>	6	0.2	0	0.0	0	0.0	4	0.3	*	*
<b>Preterm Births (&lt;37 Weeks)</b>	403	10.1	4	17.4	4	5.8	122	8.5	272	11.1
<b>Education of Mother &lt;12 Years</b>	114	2.9	19	82.6	21	30.4	56	3.9	17	0.7
<b>Live Births to Unmarried Women</b>	258	6.5	18	78.3	47	68.1	129	9.0	63	2.6
<b>Smoking During Pregnancy</b>	122	3.1	4	17.4	9	13.0	74	5.1	35	1.4

\* 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: Douglas county residents, 2003**

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>	3,502	100.0	240	100.0	45	100.0	197	100.0	8	100.0
<b>Age of Mother</b>										
<b>10-17</b>	14	0.4	8	3.3	*	*	0	0.0	0	0.0
<b>18-19</b>	59	1.7	8	3.3	*	*	0	0.0	*	*
<b>20-29</b>	1,237	35.3	114	47.5	13	28.9	69	35.0	5	62.5
<b>30+</b>	2,191	62.6	110	45.8	30	66.7	128	65.0	*	*
<b>Low Weight Births (&lt;2,500 Grams)</b>	291	8.3	26	10.8	8	17.8	22	11.2	0	0.0
<b>Very Low Weight Births (&lt;1,500 Grams)</b>	40	1.1	3	1.3	*	*	4	2.0	0	0.0
<b>Prenatal Care Later than 1st Trimester/No Care</b>	162	4.7	44	19.1	4	9.1	11	5.8	*	*
<b>No Prenatal Care</b>	5	0.1	*	*	0	0.0	0	0.0	0	0.0
<b>Preterm Births (&lt;37 Weeks)</b>	348	9.9	26	10.9	10	22.2	19	9.6	0	0.0
<b>Education of Mother &lt;12 Years</b>	56	1.6	49	20.4	4	8.9	4	2.0	*	*
<b>Live Births to Unmarried Women</b>	194	5.5	51	21.3	6	13.3	5	2.5	*	*
<b>Smoking During Pregnancy</b>	111	3.2	8	3.3	0	0.0	3	1.5	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: Douglas county residents, 2003

Age Group	Births	Population	Fertility Rate
All Ages	3,992	52,635	75.8
<b>Teen Age Groups</b>			
13-14	*	3,497	*
15-17	21	4,795	4.4
18-19	69	3,016	22.9
10-17	23	14,030	1.6
10-19	92	17,046	5.4
<b>All Age Groups</b>			
10-14	*	9,235	*
15-19	90	7,811	11.5
20-24	345	5,395	63.9
25-29	1,093	6,333	172.6
30-34	1,598	10,174	157.1
35-39	720	11,475	62.7
40-49	141	20,849	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](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: Douglas county residents, 1993, 1999-2003**

	1993	1999	2000	2001	2002	2003	1999-2003 Annual Average
<b>Total Population</b>	83,126	162,323	180,689	200,387	213,533	225,697	196,526
<b>Total Births</b>							
Number	1,561	3,072	3,455	3,725	3,919	3,992	3,633
Birth Rate	18.8	18.9	19.1	18.6	18.4	17.7	18.5
General Fertility Rate	72.9	78.3	80.0	78.6	77.6	75.8	78.0
<b>Age of Mother 10-17</b>							
Number	24	19	18	22	19	23	20
Percent of Total Births	1.5	0.6	0.5	0.6	0.5	0.6	0.6
Fertility Rate	4.9	1.9	1.6	1.8	1.5	1.6	1.7
<b>Low Weight Births (&lt;2,500 Grams)</b>							
Number	112	217	265	308	372	347	302
Percent	7.2	7.1	7.7	8.3	9.5	8.7	8.3
<b>Prenatal Care Later Than 1st Trimester</b>							
Number	85	56	107	127	202	222	143
Percent	5.5	1.8	3.1	3.5	5.3	5.7	4.0
<b>Births to Unmarried Women</b>							
Number	97	158	152	196	245	258	202
Percent	6.2	5.1	4.4	5.3	6.3	6.5	5.6
<b>Mother's Education &lt;12 Years</b>							
Number	48	49	67	88	91	114	82
Percent	3.1	1.6	2.0	2.4	2.3	2.9	2.3
<b>Infant Deaths</b>							
Number	7	11	5	12	20	19	13
Rate	4.5	3.6	1.4	3.2	5.1	4.8	3.7
<b>Neonatal Deaths</b>							
Number	4	9	4	8	16	14	10
Rate	2.6	2.9	1.2	2.1	4.1	3.5	2.8
<b>Total Deaths</b>							
Number	229	400	447	502	526	558	487
Crude Rate	275.5	246.4	247.4	250.5	246.3	247.2	247.6
Age-Adjusted Rate	811.5	764.6	782.8	604.0	588.0	612.5	653.6
<b>Cardiovascular Disease</b>							
Number	80	132	121	129	148	178	142
Age-Adjusted Rate	371.6	293.3	258.3	194.0	203.1	234.0	230.5
<b>Heart Disease</b>							
Number	54	92	82	80	97	133	97
Age-Adjusted Rate	227.3	190.8	163.2	112.7	127.8	163.0	148.0

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

	1993	1999	2000	2001	2002	2003	1999-2003 Annual Average
<b>Cerebrovascular Disease</b>							
Number	26	30	26	33	38	32	32
Age-Adjusted Rate	144.3	72.5	66.9	52.7	56.3	47.6	57.3
<b>Malignant Neoplasms</b>							
Number	56	98	123	141	134	149	129
Age-Adjusted Rate	157.8	159.0	164.7	139.1	131.5	129.6	142.4
<b>Lung Cancer</b>							
Number	15	21	26	17	32	28	25
Age-Adjusted Rate	35.9	31.5	40.0	20.2	36.0	28.1	30.8
<b>Breast Cancer</b>							
Number	4	11	11	9	12	17	12
Age-Adjusted Rate	14.3	18.8	9.7	8.5	6.9	12.5	10.7
<b>Total Unintentional Injuries</b>							
Number	16	29	30	40	38	41	36
Age-Adjusted Rate	20.8	32.0	30.3	35.3	21.4	28.7	28.9
<b>Motor Vehicle</b>							
Number	12	12	12	22	17	21	17
Age-Adjusted Rate	15.1	10.3	8.5	14.6	7.8	11.6	10.5
<b>Other Unintentional Injuries</b>							
Number	4	17	18	18	21	20	19
Age-Adjusted Rate	5.7	21.7	21.8	20.7	13.6	17.1	18.4
<b>Chronic Lower Respiratory Diseases</b>							
Number	11	17	19	34	21	32	25
Age-Adjusted Rate	47.5	40.0	40.9	55.9	26.5	41.1	40.5
<b>Suicide</b>							
Number	6	10	16	22	20	17	17
Age-Adjusted Rate	12.5	6.0	11.2	11.1	10.8	8.6	9.6
<b>Homicide and Legal Intervention</b>							
Number	4	5	3	5	3	3	4
Age-Adjusted Rate	5.2	3.0	3.4	2.0	1.4	1.4	2.1
<b>Work-Related Injury</b>							
Number	3	*	*	*	*	*	*
Age-Adjusted Rate	3.4	*	*	*	*	*	*

\* 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: Douglas 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>	558	100.0	528	100.0	13	100.0	8	100.0	6	100.0	3	100.0
<b>Cardiovascular Disease</b>	178	31.9	170	32.2	*	*	3	37.5	*	*	*	*
Heart Disease	133	23.8	127	24.1	*	*	*	*	0	0.0	*	*
Cerebrovascular Disease	32	5.7	30	5.7	0	0.0	*	*	*	*	0	0.0
Atherosclerosis	4	0.7	4	0.8	0	0.0	0	0.0	0	0.0	0	0.0
<b>Malignant Neoplasms</b>	149	26.7	138	26.1	7	53.8	*	*	*	*	0	0.0
Lung Cancer	28	5.0	26	4.9	*	*	0	0.0	0	0.0	0	0.0
Breast Cancer	17	3.0	16	3.0	*	*	0	0.0	0	0.0	0	0.0
<b>Chronic Lower Respiratory Disease</b>	32	5.7	31	5.9	0	0.0	0	0.0	*	*	0	0.0
<b>Unintentional Injuries</b>	41	7.3	38	7.2	*	*	0	0.0	*	*	0	0.0
Motor Vehicle	21	3.8	18	3.4	*	*	0	0.0	*	*	0	0.0
Other Unintentional Injuries	20	3.6	20	3.8	0	0.0	0	0.0	0	0.0	0	0.0
<b>Pneumonia and Influenza</b>	5	0.9	5	0.9	0	0.0	0	0.0	0	0.0	0	0.0
<b>Suicide</b>	17	3.0	17	3.2	0	0.0	0	0.0	0	0.0	0	0.0
<b>Diabetes Mellitus</b>	8	1.4	8	1.5	0	0.0	0	0.0	0	0.0	0	0.0
<b>HIV Infection</b>	3	0.5	*	*	*	*	0	0.0	0	0.0	0	0.0
<b>Chronic Liver Disease and Cirrhosis</b>	3	0.5	3	0.6	0	0.0	0	0.0	0	0.0	0	0.0
<b>Alzheimer's Disease</b>	12	2.2	11	2.1	*	*	0	0.0	0	0.0	0	0.0
<b>Nephritis, Nephrosis, Nephrotic Syndrome</b>	7	1.3	7	1.3	0	0.0	0	0.0	0	0.0	0	0.0
<b>Homicide and Legal Intervention</b>	3	0.5	*	*	0	0.0	*	*	0	0.0	0	0.0
<b>Septicemia</b>	5	0.9	5	0.9	0	0.0	0	0.0	0	0.0	0	0.0
<b>Congenital Anomalies</b>	6	1.1	6	1.1	0	0.0	0	0.0	0	0.0	0	0.0
<b>Perinatal Period Conditions</b>	10	1.8	9	1.7	0	0.0	*	*	0	0.0	0	0.0
<b>All Other</b>	79	14.2	76	14.4	0	0.0	*	*	*	*	*	*
<b>Injury by Firearm</b>	10	1.8	10	1.9	0	0.0	0	0.0	0	0.0	0	0.0
<b>Drug-Induced Deaths</b>	10	1.8	10	1.9	0	0.0	0	0.0	0	0.0	0	0.0
<b>Alcohol-Induced Deaths</b>	4	0.7	4	0.8	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

*\* 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: Douglas county residents, 2003

Age Group	Deaths	Population	Age-Specific Death Rate
<b>All Ages</b>	558	225,697	2.5
<b>Infant</b>	19	3,992	4.8
<b>Neonatal</b>	14	3,992	3.5
<b>1-4</b>	0	16,214	0.0
<b>5-9</b>	0	20,418	0.0
<b>10-14</b>	3	18,761	0.2
<b>15-19</b>	9	16,016	0.6
<b>20-24</b>	3	11,109	0.3
<b>25-29</b>	5	12,147	0.4
<b>30-34</b>	10	19,683	0.5
<b>35-39</b>	16	22,180	0.7
<b>40-44</b>	15	22,713	0.7
<b>45-49</b>	21	18,624	1.1
<b>50-54</b>	30	14,867	2.0
<b>55-59</b>	37	10,842	3.4
<b>60-64</b>	43	6,571	6.5
<b>65-69</b>	46	4,273	10.8
<b>70-74</b>	50	3,090	16.2
<b>75-79</b>	76	2,167	35.1
<b>80-84</b>	57	1,250	45.6
<b>85+</b>	118	704	167.6
<b>1-14</b>	3	55,393	0.1
<b>15-24</b>	12	27,125	0.4
<b>25-64</b>	177	127,627	1.4
<b>65+</b>	347	11,484	30.2

\* 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: Douglas 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	19	4.8	3	0.1	12	0.4	46	0.6	131	2.6	347	30.2
Cardiovascular Disease	0	0.0	0	0.0	*	*	5	0.1	34	0.7	138	12.0
Heart Disease	0	0.0	0	0.0	*	*	4	0.1	27	0.5	101	8.8
Cerebrovascular Disease	0	0.0	0	0.0	0	0.0	0	0.0	6	0.1	26	2.3
Atherosclerosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4	0.3
Malignant Neoplasms	0	0.0	*	*	*	*	8	0.1	62	1.2	77	6.7
Lung Cancer	0	0.0	0	0.0	0	0.0	0	0.0	11	0.2	17	1.5
Breast Cancer	0	0.0	0	0.0	0	0.0	4	0.1	6	0.1	7	0.6
Chronic Lower Respiratory Diseases	0	0.0	*	*	0	0.0	0	0.0	4	0.1	27	2.4
Unintentional Injuries	*	*	*	*	7	0.3	14	0.2	8	0.2	10	0.9
Motor Vehicle	0	0.0	*	*	5	0.2	7	0.1	5	0.1	3	0.3
Other Unintentional Injuries	*	*	0	0.0	*	*	7	0.1	3	0.1	7	0.6
Pneumonia and Influenza	0	0.0	0	0.0	0	0.0	0	0.0	*	*	4	0.3
Suicide	0	0.0	0	0.0	0	0.0	11	0.1	4	0.1	*	*
Diabetes Mellitus	0	0.0	0	0.0	0	0.0	0	0.0	*	*	7	0.6
HIV Infection	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
Alzheimer's Disease	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	12	1.0
Nephritis, Nephrosis, Nephrotic Syndrome	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	7	0.6
Homicide and Legal Intervention	0	0.0	0	0.0	*	*	*	*	0	0.0	0	0.0
Septicemia	0	0.0	0	0.0	0	0.0	*	*	3	0.1	*	*
Congenital Anomalies	6	1.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Perinatal Period Conditions	10	2.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
All Other	*	*	0	0.0	*	*	*	*	12	0.2	62	5.4
Injury by Firearm	0	0.0	0	0.0	*	*	5	0.1	*	*	*	*
Drug-Induced Deaths	0	0.0	0	0.0	*	*	6	0.1	0	0.0	*	*
Alcohol-Induced Deaths	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

\* 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:  
Douglas county residents, 2003**

Cause of Death	N	Rate	Age-Adjusted Rate	Lower Limit	Upper Limit
All Causes	558	247.2	612.5	556.6	668.4
Cardiovascular Disease	178	78.9	234.0	196.6	271.4
Heart Disease	133	58.9	163.0	132.4	193.6
Cerebrovascular Disease	32	14.2	47.6	29.6	65.7
Atherosclerosis	4	1.8	7.9	1.1	2.2
Malignant Neoplasms	149	66.0	129.6	105.5	153.7
Lung Cancer	28	12.4	28.1	16.3	40.0
Breast Cancer	17	7.5	12.5	5.4	19.6
Chronic Lower Respiratory Diseases	32	14.2	41.1	25.6	56.7
Unintentional Injuries	41	18.2	28.7	17.5	39.9
Motor Vehicle	21	9.3	11.6	6.1	17.1
Other Unintentional Injuries	20	8.9	17.1	7.3	26.8
Pneumonia and Influenza	5	2.2	7.4	0.9	1.8
Suicide	17	7.5	8.6	3.8	13.3
Diabetes Mellitus	8	3.5	11.1	1.3	2.4
HIV Infection	3	1.3	1.1	0.0	0.2
Chronic Liver Disease and Cirrhosis	3	1.3	1.1	0.0	0.2
Alzheimer's Disease	12	5.3	17.2	6.9	27.4
Nephritis, Nephrosis, Nephrotic Syndrome	7	3.1	11.0	1.4	2.6
Homicide and Legal Intervention	3	1.3	1.4	0.0	0.2
Septicemia	5	2.2	4.1	0.3	0.9
Congenital Anomalies	6	2.7	2.0	0.0	0.2
Perinatal Period Conditions	10	4.4	3.4	0.0	0.3
All Other	79	35.0	110.7	83.9	137.4
Injury by Firearm	10	4.4	5.1	0.1	0.6
Drug-Induced Deaths	10	4.4	6.4	0.4	1.1
Alcohol-Induced Deaths	4	1.8	1.5	0.0	0.2
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.*