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# Arapahoe County Births and Deaths 2002

Selected birth characteristics: Arapahoe County residents, 2002 .....	2
Selected birth characteristics by age group of mother: Arapahoe County residents, 2002 .....	3
Selected birth characteristics by race/ethnicity of mother: Arapahoe County residents, 2002.....	4
Live births and fertility rates by age of mother: Arapahoe County residents, 2002 .....	5
Vital statistics summary: Arapahoe County residents, 1992, 1998-2002 .....	6
Deaths from selected causes by race/ethnicity: Arapahoe County residents, 2002 .....	8
Deaths and age-specific death rates: Arapahoe County residents, 2002 .....	9
Deaths and age-specific death rates from selected causes: Arapahoe County residents, 2002 .....	10
Deaths, crude death rates and age-adjusted death rates from selected causes:	
Arapahoe County residents, 2002 .....	11

## Selected birth characteristics: Arapahoe county residents, 2002

Characteristic	Number	Percent
Total Live Births	7,753	100.0
Age of Mother		
10-17	219	2.8
18-19	464	6.0
20-29	4,005	51.7
30+	3,061	39.5
Low Weight Births (<2,500 Grams)	714	9.2
Very Low Weight Births (<1,500 Grams)	100	1.3
Prenatal Care Later than 1st Trimester/No Care	1,486	19.2
No Prenatal Care	81	1.0
Preterm Births (<37 Weeks)	734	9.5
Education of Mother <12 Years	1,495	19.3
Live Births to Unmarried Women	1,989	25.7
Smoking During Pregnancy	635	8.2

\* 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](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: Arapahoe county residents, 2002**

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>	7,753	100.0	219	100.0	464	100.0	4,005	100.0	3,061	100.0
<b>Race/Ethnicity of Mother</b>										
White Non-Hispanic	4,476	57.7	69	31.5	191	41.2	2,073	51.8	2,140	69.9
White Hispanic	2,060	26.6	100	45.7	172	37.1	1,282	32.0	505	16.5
Black	732	9.4	40	18.3	80	17.2	419	10.5	193	6.3
Other	485	6.3	10	4.6	21	4.5	231	5.8	223	7.3
<b>Low Weight Births (&lt;2,500 Grams)</b>	714	9.2	16	7.3	51	11.0	333	8.3	313	10.2
Very Low Weight Births (<1,500 Grams)	100	1.3	3	1.4	9	1.9	50	1.2	38	1.2
<b>Prenatal Care Later than 1st Trimester/No Care</b>	1,486	19.6	101	46.5	165	36.1	890	22.7	329	11.1
No Prenatal Care	81	1.1	6	2.8	7	1.5	46	1.2	21	0.7
<b>Preterm Births (&lt;37 Weeks)</b>	734	9.5	20	9.1	49	10.6	348	8.7	317	10.4
<b>Education of Mother &lt;12 Years</b>	1,495	19.3	186	84.9	205	44.2	831	20.7	273	8.9
<b>Live Births to Unmarried Women</b>	1,989	25.7	187	85.4	291	62.7	1,218	30.4	291	9.5
<b>Smoking During Pregnancy</b>	635	8.2	21	9.6	71	15.3	388	9.7	155	5.1

\* 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 race/ethnicity of mother: Arapahoe county residents, 2002**

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>	4,476	100.0	2,060	100.0	732	100.0	436	100.0	49	100.0
<b>Age of Mother</b>										
10-17	69	1.5	100	4.9	40	5.5	8	1.8	*	*
18-19	191	4.3	172	8.3	80	10.9	15	3.4	6	12.2
20-29	2,073	46.3	1,282	62.2	419	57.2	208	47.7	23	46.9
30+	2,140	47.8	505	24.5	193	26.4	205	47.0	18	36.7
<b>Low Weight Births (&lt;2,500 Grams)</b>	403	9.0	145	7.0	104	14.2	57	13.1	5	10.2
<b>Very Low Weight Births (&lt;1,500 Grams)</b>	53	1.2	20	1.0	15	2.0	10	2.3	*	*
<b>Prenatal Care Later than 1st Trimester/No Care</b>	482	11.1	715	35.2	197	27.6	79	18.7	13	26.5
<b>No Prenatal Care</b>	28	0.6	34	1.7	11	1.5	8	1.9	0	0.0
<b>Preterm Births (&lt;37 Weeks)</b>	431	9.6	179	8.7	78	10.7	40	9.2	6	12.2
<b>Education of Mother &lt;12 Years</b>	293	6.5	1,033	50.1	114	15.6	42	9.6	13	26.5
<b>Live Births to Unmarried Women</b>	780	17.4	746	36.2	383	52.3	60	13.8	20	40.8
<b>Smoking During Pregnancy</b>	481	10.8	64	3.1	62	8.5	20	4.6	8	16.3

\* 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 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: Arapahoe county residents, 2002

Age Group	Births	Population	Fertility Rate
<b>All Ages</b>	7,753	115,096	67.4
<b>Teen Age Groups</b>			
13-14	10	7,543	1.3
15-17	209	11,338	18.4
18-19	464	7,333	63.3
10-17	219	30,058	7.3
10-19	683	37,391	18.3
<b>All Age Groups</b>			
10-14	10	18,720	0.5
15-19	673	18,671	36.0
20-24	1,785	15,079	118.4
25-29	2,220	18,264	121.6
30-34	1,943	19,737	98.4
35-39	895	20,319	44.0
40-49	221	45,185	4.9

\* 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 definition of fertility rate.

Source: Health Statistics Section, Colorado Department of Public Health and Environment.

Vital statistics summary: Arapahoe county residents, 1992, 1998-2002

	1992	1998	1999	2000	2001	2002	1998-2002 Annual Average
<b>Total Population</b>	417,679	472,395	481,305	490,740	501,847	510,861	491,430
<b>Total Births</b>							
Number	6,522	6,595	6,779	7,164	7,334	7,753	7,125
Birth Rate	15.6	14.0	14.1	14.6	14.6	15.2	14.5
General Fertility Rate	60.8	59.0	60.4	63.5	64.4	67.4	62.9
<b>Age of Mother 10-17</b>							
Number	197	218	202	232	229	219	220
Percent of Total Births	3.0	3.3	3.0	3.2	3.1	2.8	3.1
Fertility Rate	8.3	7.8	7.0	7.9	7.7	7.3	7.5
<b>Low Weight Births (&lt;2,500 Grams)</b>							
Number	556	608	566	620	606	714	623
Percent	8.5	9.2	8.3	8.7	8.3	9.2	8.7
<b>Prenatal Care Later Than 1st Trimester</b>							
Number	1,019	784	853	1,105	1,233	1,486	1,092
Percent	15.9	12.2	12.7	15.7	17.3	19.6	15.6
<b>Births to Unmarried Women</b>							
Number	1,348	1,498	1,445	1,578	1,610	1,989	1,624
Percent	20.7	22.7	21.3	22.0	22.0	25.7	22.8
<b>Mother's Education &lt;12 Years</b>							
Number	611	857	1,047	1,152	1,333	1,495	1,177
Percent	9.7	13.4	15.6	16.2	18.4	19.4	16.7
<b>Infant Deaths</b>							
Number	48	51	48	52	34	41	45
Rate	7.4	7.7	7.1	7.3	4.6	5.3	6.3
<b>Neonatal Deaths</b>							
Number	26	40	34	37	26	32	34
Rate	4.0	6.1	5.0	5.2	3.5	4.1	4.7
<b>Total Deaths</b>							
Number	1,910	2,600	2,572	2,684	2,889	2,916	2,732
Crude Rate	457.3	550.4	534.4	546.9	575.7	570.8	556.0
Age-Adjusted Rate	745.2	778.8	742.9	741.7	781.0	775.9	764.2
<b>Cardiovascular Disease</b>							
Number	648	802	839	846	904	915	861
Age-Adjusted Rate	275.8	256.8	255.3	247.1	257.5	255.6	254.5
<b>Heart Disease</b>							
Number	528	622	592	565	627	652	612
Age-Adjusted Rate	223.4	198.1	178.3	162.3	175.6	180.2	178.5
<b>Cerebrovascular Disease</b>							
Number	111	168	155	177	168	173	168

(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: Arapahoe county residents, 1992, 1998-2002

	1992	1998	1999	2000	2001	2002	1998-2002 Annual Average
<b>Age-Adjusted Rate</b>	47.7	54.6	48.2	53.1	49.4	48.8	50.8
<b>Malignant Neoplasms</b>							
<b>Number</b>	464	617	602	589	661	652	624
<b>Age-Adjusted Rate</b>	167.7	177.4	166.9	156.3	174.2	169.1	168.7
<b>Lung Cancer</b>							
<b>Number</b>	117	136	134	145	175	174	153
<b>Age-Adjusted Rate</b>	42.0	40.2	38.5	39.9	47.0	46.1	42.5
<b>Breast Cancer</b>							
<b>Number</b>	39	48	62	58	41	48	51
<b>Age-Adjusted Rate</b>	13.3	13.1	16.4	14.0	9.7	12.4	13.1
<b>Total Unintentional Injuries</b>							
<b>Number</b>	83	142	119	162	168	156	149
<b>Age-Adjusted Rate</b>	26.0	35.4	29.3	36.1	37.4	34.0	34.4
<b>Motor Vehicle</b>							
<b>Number</b>	39	58	34	69	64	55	56
<b>Age-Adjusted Rate</b>	11.0	12.7	7.4	14.7	12.9	10.8	11.7
<b>Other Unintentional Injuries</b>							
<b>Number</b>	44	84	85	93	104	101	93
<b>Age-Adjusted Rate</b>	14.9	22.7	21.9	21.4	24.5	23.1	22.7
<b>Chronic Lower Respiratory Diseases</b>							
<b>Number</b>	108	157	151	173	157	156	159
<b>Age-Adjusted Rate</b>	47.0	49.0	46.0	50.5	45.1	44.4	46.9
<b>Suicide</b>							
<b>Number</b>	61	59	62	53	88	84	69
<b>Age-Adjusted Rate</b>	15.0	12.8	13.4	10.8	17.8	16.1	14.2
<b>Homicide and Legal Intervention</b>							
<b>Number</b>	20	22	19	18	20	23	20
<b>Age-Adjusted Rate</b>	4.7	4.7	3.8	3.6	4.0	4.3	4.1
<b>Work-Related Injury</b>							
<b>Number</b>	5	5	3	8	9	5	6
<b>Age-Adjusted Rate</b>	1.2	1.0	0.6	1.4	1.7	1.0	1.1

\* 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: Arapahoe county residents, 2002

Cause of Death	All Races		White Non-Hispanic		White Hispanic		Black		Asian		American Indian	
	N	%	N	%	N	%	N	%	N	%	N	%
<b>Total</b>	2,916	100.0	2,547	100.0	129	100.0	179	100.0	56	100.0	3	100.0
<b>Cardiovascular Disease</b>	915	31.4	822	32.3	28	21.7	52	29.1	12	21.4	*	*
Heart Disease	652	22.4	586	23.0	21	16.3	38	21.2	7	12.5	0	0.0
Cerebrovascular Disease	173	5.9	156	6.1	5	3.9	9	5.0	3	5.4	0	0.0
Atherosclerosis	52	1.8	48	1.9	*	*	*	*	*	*	*	*
<b>Malignant Neoplasms</b>	652	22.4	572	22.5	24	18.6	31	17.3	25	44.6	0	0.0
Lung Cancer	174	6.0	158	6.2	4	3.1	8	4.5	4	7.1	0	0.0
Breast Cancer	48	1.6	43	1.7	*	*	3	1.7	*	*	0	0.0
<b>Chronic Lower Respiratory Disease</b>	156	5.3	146	5.7	*	*	6	3.4	*	*	0	0.0
<b>Unintentional Injuries</b>	156	5.3	123	4.8	14	10.9	18	10.1	*	*	0	0.0
Motor Vehicle	55	1.9	37	1.5	7	5.4	10	5.6	*	*	0	0.0
Other Unintentional Injuries	101	3.5	86	3.4	7	5.4	8	4.5	0	0.0	0	0.0
<b>Pneumonia and Influenza</b>	62	2.1	58	2.3	*	*	*	*	*	*	0	0.0
<b>Suicide</b>	84	2.9	76	3.0	3	2.3	3	1.7	*	*	*	*
<b>Diabetes Mellitus</b>	49	1.7	35	1.4	5	3.9	9	5.0	0	0.0	0	0.0
<b>HIV Infection</b>	14	0.5	10	0.4	*	*	*	*	0	0.0	0	0.0
<b>Chronic Liver Disease and Cirrhosis</b>	32	1.1	25	1.0	6	4.7	*	*	0	0.0	0	0.0
<b>Alzheimer's Disease</b>	138	4.7	129	5.1	5	3.9	3	1.7	*	*	0	0.0
<b>Nephritis, Nephrosis, Nephrotic Syndrome</b>	44	1.5	34	1.3	4	3.1	3	1.7	3	5.4	0	0.0
<b>Homicide and Legal Intervention</b>	23	0.8	17	0.7	*	*	4	2.2	0	0.0	0	0.0
<b>Septicemia</b>	37	1.3	33	1.3	*	*	3	1.7	0	0.0	0	0.0
<b>Congenital Anomalies</b>	19	0.7	9	0.4	7	5.4	3	1.7	0	0.0	0	0.0
<b>Perinatal Period Conditions</b>	19	0.7	5	0.2	7	5.4	7	3.9	0	0.0	0	0.0
<b>All Other</b>	516	17.7	453	17.8	19	14.7	32	17.9	10	17.9	*	*
<b>Injury by Firearm</b>	58	2.0	51	2.0	*	*	4	2.2	0	0.0	*	*
<b>Drug-Induced Deaths</b>	55	1.9	42	1.6	5	3.9	8	4.5	0	0.0	0	0.0
<b>Alcohol-Induced Deaths</b>	42	1.4	31	1.2	7	5.4	4	2.2	0	0.0	0	0.0
<b>Work-Related Injury (Y/N Check Death Certificate)</b>	5	0.2	4	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: Arapahoe county residents, 2002

Age Group	Deaths	Population	Age-Specific Death Rate
<b>All Ages</b>	2,916	510,861	5.7
<b>Infant</b>	41	7,753	5.3
<b>Neonatal</b>	32	7,753	4.1
<b>1-4</b>	7	28,272	0.2
<b>5-9</b>	7	36,147	0.2
<b>10-14</b>	5	38,616	0.1
<b>15-19</b>	24	38,461	0.6
<b>20-24</b>	28	30,959	0.9
<b>25-29</b>	31	36,642	0.8
<b>30-34</b>	41	40,205	1.0
<b>35-39</b>	54	40,488	1.3
<b>40-44</b>	82	44,808	1.8
<b>45-49</b>	109	42,669	2.6
<b>50-54</b>	146	37,958	3.8
<b>55-59</b>	134	26,675	5.0
<b>60-64</b>	165	17,744	9.3
<b>65-69</b>	170	12,969	13.1
<b>70-74</b>	262	10,662	24.6
<b>75-79</b>	396	9,008	44.0
<b>80-84</b>	450	6,190	72.7
<b>85+</b>	764	4,857	157.3
<b>1-14</b>	19	103,035	0.2
<b>15-24</b>	52	69,420	0.7
<b>25-64</b>	762	287,189	2.7
<b>65+</b>	2,042	43,686	46.7

\* 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: Arapahoe county residents, 2002**

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	41	5.3	19	0.2	52	0.7	208	1.3	554	4.4	2,042	46.7
Cardiovascular Disease	*	*	0	0.0	*	*	27	0.2	153	1.2	733	16.8
Heart Disease	*	*	0	0.0	0	0.0	22	0.1	124	1.0	505	11.6
Cerebrovascular Disease	0	0.0	0	0.0	*	*	4	0.0	24	0.2	144	3.3
Atherosclerosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	52	1.2
Malignant Neoplasms	0	0.0	*	*	*	*	23	0.1	184	1.5	441	10.1
Lung Cancer	0	0.0	0	0.0	0	0.0	*	*	45	0.4	128	2.9
Breast Cancer	0	0.0	0	0.0	0	0.0	0	0.0	15	0.1	33	0.8
Chronic Lower Respiratory Diseases	0	0.0	0	0.0	*	*	*	*	16	0.1	137	3.1
Unintentional Injuries	*	*	6	0.1	25	0.4	42	0.3	40	0.3	42	1.0
Motor Vehicle	0	0.0	4	0.0	18	0.3	17	0.1	11	0.1	5	0.1
Other Unintentional Injuries	*	*	*	*	7	0.1	25	0.2	29	0.2	37	0.8
Pneumonia and Influenza	0	0.0	*	*	0	0.0	0	0.0	*	*	59	1.4
Suicide	0	0.0	*	*	9	0.1	40	0.2	27	0.2	7	0.2
Diabetes Mellitus	0	0.0	0	0.0	*	*	3	0.0	10	0.1	35	0.8
HIV Infection	0	0.0	0	0.0	0	0.0	7	0.0	6	0.0	*	*
Chronic Liver Disease and Cirrhosis	0	0.0	0	0.0	0	0.0	11	0.1	10	0.1	11	0.3
Alzheimer's Disease	0	0.0	0	0.0	0	0.0	0	0.0	4	0.0	134	3.1
Nephritis, Nephrosis, Nephrotic Syndrome	0	0.0	0	0.0	0	0.0	*	*	6	0.0	36	0.8
Homicide and Legal Intervention	*	*	*	*	6	0.1	10	0.1	4	0.0	0	0.0
Septicemia	*	*	*	*	0	0.0	*	*	5	0.0	28	0.6
Congenital Anomalies	13	1.7	0	0.0	*	*	*	*	*	*	*	*
Perinatal Period Conditions	19	2.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
All Other	5	0.6	6	0.1	6	0.1	37	0.2	85	0.7	377	8.6
Injury by Firearm	0	0.0	*	*	10	0.1	25	0.2	18	0.1	4	0.1
Drug-Induced Deaths	*	*	*	*	4	0.1	24	0.1	22	0.2	*	*
Alcohol-Induced Deaths	0	0.0	0	0.0	*	*	9	0.1	24	0.2	8	0.2
Work-Related Injury (Y/N Check Death Certificate)	0	0.0	0	0.0	0	0.0	4	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 for selected causes:  
Arapahoe county residents, 2002**

Cause of Death	N	Crude Rate	Age-Adjusted Rate	Lower Limit	Upper Limit
All Causes	2,916	570.8	775.9	748.3	803.5
Cardiovascular Disease	915	179.1	255.6	239.0	272.1
Heart Disease	652	127.6	180.2	166.3	194.1
Cerebrovascular Disease	173	33.9	48.8	41.4	56.1
Atherosclerosis	52	10.2	16.0	11.6	20.3
Malignant Neoplasms	652	127.6	169.1	155.9	182.3
Lung Cancer	174	34.1	46.1	39.2	53.1
Breast Cancer	48	9.4	12.4	8.8	16.0
Chronic Lower Respiratory Diseases	156	30.5	44.4	37.4	51.4
Unintentional Injuries	156	30.5	34.0	28.5	39.5
Motor Vehicle	55	10.8	10.8	7.9	13.7
Other Unintentional Injuries	99	19.4	22.7	18.1	27.4
Pneumonia and Influenza	62	12.1	18.5	13.9	23.2
Suicide	84	16.4	16.1	12.6	19.6
Diabetes Mellitus	49	9.6	12.8	9.1	16.4
HIV Infection	14	2.7	2.6	1.2	4.0
Chronic Liver Disease and Cirrhosis	32	6.3	7.0	4.5	9.5
Alzheimer's Disease	138	27.0	42.2	35.2	49.3
Nephritis, Nephrosis, Nephrotic Syndrome	44	8.6	12.3	8.6	16.0
Homicide and Legal Intervention	23	4.5	4.3	2.5	6.0
Septicemia	37	7.2	10.0	6.7	13.3
Congenital Anomalies	19	3.7	3.6	2.0	5.2
Perinatal Period Conditions	19	3.7	3.5	1.9	5.1
All Other	516	101.0	140.0	127.8	152.2
Injury by Firearm	58	11.4	11.1	8.2	14.0
Drug-Induced Deaths	55	10.8	10.2	7.5	12.9
Alcohol-Induced Deaths	42	8.2	8.6	5.9	11.3
Work-Related Injury (Y/N Check Death Certificate)	5	1.0	1.0	0.0	0.1

\* 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.