

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

## **El Paso County Births and Deaths 2007**

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## Selected birth characteristics: El Paso County residents, 2007

Characteristic	Number	Percent
Total Live Births	9,037	100.0
Age of Mother		
10-17	242	2.7
18-19	587	6.5
20-29	5,178	57.3
30+	3,029	33.5
Low Weight Births (<2,500 Grams)	888	9.8
Very Low Weight Births (<1,500 Grams)	145	1.6
Prenatal Care Later than 1st Trimester/No Care	2,220	24.9
No Prenatal Care	129	1.4
Preterm Births (<37 Weeks)	947	10.5
Education of Mother <High School Diploma/GED	1,305	14.6
Live Births to Unmarried Women	2,327	25.8
Smoking During Pregnancy	1,162	12.9

*"Education of Mother," "Births to Unmarried Women," and "Smoking During Pregnancy" are among items collected in 2007, using the revised birth certificate, that are not directly comparable to data collected before 2007. See notes page at end of report for details of these revised data items.*

*\* 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: El Paso County residents, 2007

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>	9,037	100.0	242	100.0	587	100.0	5,178	100.0	3,029	100.0
<b>Race/Ethnicity of Mother</b>										
White Non-Hispanic	5,957	66.7	94	39.7	302	52.0	3,375	66.0	2,186	73.0
White Hispanic	1,784	20.0	103	43.5	182	31.3	1,035	20.2	464	15.5
Black	709	7.9	25	10.5	76	13.1	437	8.5	171	5.7
Other	478	5.4	15	6.3	21	3.6	267	5.2	175	5.8
<b>Low Weight Births (&lt;2,500 Grams)</b>	888	9.8	32	13.2	79	13.5	466	9.0	311	10.3
Very Low Weight Births (<1,500 Grams)	145	1.6	7	2.9	9	1.5	83	1.6	46	1.5
<b>Prenatal Care Later than 1st Trimester/No Care</b>	2,220	24.9	122	51.7	220	38.0	1,315	25.8	563	18.8
No Prenatal Care	129	1.4	4	1.7	10	1.7	73	1.4	42	1.4
<b>Preterm Births (&lt;37 Weeks)</b>	947	10.5	25	10.3	78	13.3	511	9.9	333	11.0
<b>Education of Mother &lt;High School Diploma/GED</b>	1,305	14.6	216	90.0	213	36.8	645	12.5	231	7.7
<b>Live Births to Unmarried Women</b>	2,327	25.7	218	90.1	357	60.8	1,389	26.8	363	12.0
<b>Smoking During Pregnancy</b>	1,162	12.9	36	14.9	111	18.9	760	14.7	255	8.4

*"Education of Mother," "Births to Unmarried Women," and "Smoking During Pregnancy" are among items collected in 2007, using the revised birth certificate, that are not directly comparable to data collected before 2007. See notes page at end of report for details of these revised data items.*

*\* 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: El Paso County residents, 2007

Characteristic	White Non-Hispanic		White Hispanic		Black		Asian American/Pacific Islander		American Indian/Native Alaskan	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Total Live Births</b>	5,957	100.0	1,784	100.0	709	100.0	353	100.0	91	100.0
<b>Age of Mother</b>										
<b>10-17</b>	94	1.6	103	5.8	25	3.5	8	2.3	5	5.5
<b>18-19</b>	302	5.1	182	10.2	76	10.7	11	3.1	8	8.8
<b>20-29</b>	3,375	56.7	1,035	58.0	437	61.6	185	52.4	60	65.9
<b>30+</b>	2,186	36.7	464	26.0	171	24.1	149	42.2	18	19.8
<b>Low Weight Births (&lt;2,500 Grams)</b>	551	9.3	153	8.6	120	16.9	41	11.6	9	9.9
<b>Very Low Weight Births (&lt;1,500 Grams)</b>	80	1.3	36	2.0	20	2.8	3	0.8	3	3.3
<b>Prenatal Care Later than 1st Trimester/No Care</b>	1,240	21.1	607	34.4	220	31.4	87	25.0	30	33.3
<b>No Prenatal Care</b>	64	1.1	31	1.8	23	3.3	5	1.4	4	4.4
<b>Preterm Births (&lt;37 Weeks)</b>	612	10.3	174	9.8	111	15.7	31	8.8	6	6.6
<b>Education of Mother &lt;High School Diploma/GED</b>	461	7.8	654	37.0	111	15.8	31	8.9	22	24.2
<b>Live Births to Unmarried Women</b>	1,132	19.0	747	41.9	321	45.3	54	15.3	37	40.7
<b>Smoking During Pregnancy</b>	856	14.4	135	7.6	115	16.3	26	7.4	16	17.6

***"Education of Mother," "Births to Unmarried Women," and "Smoking During Pregnancy" are among items collected in 2007, using the revised birth certificate, that are not directly comparable to data collected before 2007. See notes page at end of report for details of these revised data items.***

***\* 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, 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 with 95% confidence limits by age group of mother: El Paso County residents, 2007**

<b>Age Group</b>	<b>Births</b>	<b>Population</b>	<b>Fertility Rate</b>	<b>Lower Limit</b>	<b>Upper Limit</b>
<b>All Ages</b>	9,037	125,746	71.9	70.4	73.3
<b>Teen Age Groups</b>					
<b>13-14</b>	11	7,580	1.5	0.5	2.4
<b>15-17</b>	231	12,242	18.9	16.4	21.3
<b>18-19</b>	587	8,598	68.3	62.9	73.7
<b>10-17</b>	242	31,480	7.7	6.7	8.7
<b>10-19</b>	829	40,078	20.7	19.3	22.1
<b>All Age Groups</b>					
<b>10-14</b>	11	19,238	0.6	0.2	0.9
<b>15-19</b>	818	20,840	39.3	36.6	41.9
<b>20-24</b>	2,442	23,322	104.7	100.8	108.7
<b>25-29</b>	2,736	21,964	124.6	120.2	129.0
<b>30-34</b>	1,844	19,161	96.2	92.0	100.4
<b>35-39</b>	961	19,536	49.2	46.1	52.2
<b>40-49</b>	222	43,443	5.1	4.4	5.8

*\* 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: El Paso County residents, 1997, 2003-2007

	1997	2003	2004	2005	2006	2007	2003-2007 Annual Average
<b>Total Population</b>	486,808	547,970	555,139	565,963	578,766	584,923	566,552
<b>Total Births</b>							
Number	7,687	8,530	8,134	8,658	8,884	9,037	8,649
Birth Rate	15.8	15.6	14.7	15.3	15.3	15.4	15.3
General Fertility Rate	67.2	70.1	66.9	70.6	71.2	71.9	70.1
<b>Age of Mother 10-17</b>							
Number	318	256	241	220	254	242	243
Percent of Total Births	4.1	3.0	3.0	2.5	2.9	2.7	2.8
Fertility Rate	11.3	8.1	7.7	7.0	8.0	7.7	7.7
<b>Low Weight Births (&lt;2,500 Grams)</b>							
Number	712	866	810	866	896	888	865
Percent	9.3	10.2	10.0	10.0	10.1	9.8	10.0
<b>Prenatal Care Later Than 1st Trimester/No Care</b>							
Number	1,206	1,929	1,746	2,239	2,286	2,220	2,084
Percent	15.7	22.6	21.5	25.9	26.0	24.9	24.2
<b>Births to Unmarried Women</b>							
Number	1,886	2,181	2,146	2,312	2,538	2,327	
Percent	24.5	25.6	26.4	26.7	28.6	25.7	
<b>Mother's Education &lt;12 Years</b>							
Number	860	1,341	1,289	1,217	1,277	1,305	
Percent	11.2	15.8	15.9	14.2	14.8	14.4	
<b>Infant Deaths</b>							
Number	58	59	70	64	78	71	68
Rate	7.5	6.9	8.6	7.4	8.8	7.9	7.9
<b>Neonatal Deaths</b>							
Number	34	42	42	39	58	44	45
Rate	4.4	4.9	5.2	4.5	6.5	4.9	5.2
<b>Total Deaths</b>							
Number	2,712	3,408	3,165	3,435	3,361	3,392	3,352
Crude Rate	557.1	621.9	570.1	606.9	580.7	579.9	591.7
Age-Adjusted Rate	808.5	857.8	758.1	808.1	780.2	772.8	794.4
<b>Cardiovascular Disease</b>							
Number	888	1,096	910	990	968	945	982
Age-Adjusted Rate	285.1	295.3	230.1	247.7	236.2	225.9	246.3
<b>Heart Disease</b>							
Number	642	704	613	684	662	672	667
Age-Adjusted Rate	202.4	184.8	152.8	168.5	159.3	157.7	164.4

(Continued)

**HIGHLIGHTED ROWS:** Denotes data items collected in 2007, using the revised birth certificate, that are not directly comparable to data collected before 2007. Due to this incomparability, 5-year averages for these data items are not presented in this report. See notes page at end of report for details of these revised data items.

\* 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: El Paso County residents, 1997, 2003-2007

	1997	2003	2004	2005	2006	2007	2003-2007 Annual Average
<b>Cerebrovascular Disease</b>							
Number	236	300	227	231	217	203	236
Age-Adjusted Rate	79.1	85.0	58.6	59.8	54.2	50.6	61.2
<b>Malignant Neoplasms</b>							
Number	628	690	712	730	771	785	738
Age-Adjusted Rate	181.4	165.4	163.9	163.4	169.9	171.1	166.8
<b>Lung Cancer</b>							
Number	151	162	184	187	171	159	173
Age-Adjusted Rate	43.4	38.9	43.6	42.7	37.3	34.3	39.3
<b>Breast Cancer</b>							
Number	53	56	73	63	63	61	63
Age-Adjusted Rate	14.8	12.5	15.8	13.7	12.5	13.3	13.5
<b>Total Unintentional Injuries</b>							
Number	127	177	163	222	176	219	191
Age-Adjusted Rate	29.5	35.1	31.4	42.2	35.1	44.0	37.7
<b>Motor Vehicle</b>							
Number	69	84	67	69	47	51	64
Age-Adjusted Rate	14.5	15.8	11.7	11.9	7.9	9.1	11.2
<b>Other Unintentional Injuries</b>							
Number	58	93	96	153	129	168	128
Age-Adjusted Rate	15.0	19.4	19.7	30.3	27.2	34.9	26.5
<b>Chronic Lower Respiratory Diseases</b>							
Number	161	240	230	234	210	192	221
Age-Adjusted Rate	50.8	63.1	58.0	56.7	50.8	45.8	54.6
<b>Suicide</b>							
Number	74	85	121	106	69	98	96
Age-Adjusted Rate	15.4	15.8	22.4	18.7	12.3	16.7	17.2
<b>Homicide and Legal Intervention</b>							
Number	29	31	23	18	19	27	24
Age-Adjusted Rate	5.6	5.5	4.0	2.9	3.2	4.3	4.0
<b>Work-Related Injury</b>							
Number	8	10	7	4	10	7	8
Age-Adjusted Rate	1.6	1.8	1.3	0.7	1.7	1.3	1.4

**HIGHLIGHTED ROWS:** Denotes data items collected in 2007, using the revised birth certificate, that are not directly comparable to data collected before 2007. Due to this incomparability, 5-year averages for these data items are not presented in this report. See notes page at end of report for details of these revised data items.

\* 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: El Paso County residents, 2007

Cause of Death	All Races		White Non-Hispanic		White Hispanic		Black		Asian American/Pacific Islander		American Indian/Native Alaskan	
	N	%	N	%	N	%	N	%	N	%	N	%
<b>Total</b>	3,392	100.0	2,933	100.0	229	100.0	161	100.0	53	100.0	11	100.0
<b>Cardiovascular Disease</b>	945	27.9	821	28.0	59	25.8	44	27.3	18	34.0	*	*
Heart Disease	672	19.8	592	20.2	36	15.7	32	19.9	9	17.0	*	*
Cerebrovascular Disease	203	6.0	162	5.5	22	9.6	11	6.8	8	15.1	0	0.0
Atherosclerosis	4	0.1	4	0.1	0	0.0	0	0.0	0	0.0	0	0.0
<b>Malignant Neoplasms</b>	785	23.1	689	23.5	41	17.9	44	27.3	10	18.9	0	0.0
Lung Cancer	159	4.7	143	4.9	5	2.2	10	6.2	*	*	0	0.0
Breast Cancer	61	1.8	55	1.9	4	1.7	*	*	0	0.0	0	0.0
<b>Chronic Lower Respiratory Disease</b>	192	5.7	178	6.1	5	2.2	5	3.1	3	5.7	*	*
<b>Unintentional Injuries</b>	219	6.5	189	6.4	20	8.7	8	5.0	*	*	*	*
Motor Vehicle	51	1.5	40	1.4	7	3.1	4	2.5	0	0.0	0	0.0
Other Unintentional Injuries	168	5.0	149	5.1	13	5.7	4	2.5	*	*	*	*
<b>Pneumonia and Influenza</b>	56	1.7	47	1.6	5	2.2	*	*	*	*	0	0.0
<b>Suicide</b>	98	2.9	78	2.7	13	5.7	3	1.9	4	7.5	0	0.0
<b>Diabetes Mellitus</b>	69	2.0	60	2.0	4	1.7	4	2.5	*	*	0	0.0
<b>HIV Infection</b>	9	0.3	5	0.2	*	*	*	*	0	0.0	0	0.0
<b>Chronic Liver Disease and Cirrhosis</b>	59	1.7	48	1.6	9	3.9	*	*	0	0.0	*	*
<b>Alzheimer's Disease</b>	103	3.0	96	3.3	5	2.2	*	*	0	0.0	0	0.0
<b>Nephritis, Nephrosis, Nephrotic Syndrome</b>	26	0.8	22	0.8	4	1.7	0	0.0	0	0.0	0	0.0
<b>Homicide and Legal Intervention</b>	27	0.8	12	0.4	8	3.5	3	1.9	*	*	3	27.3
<b>Septicemia</b>	25	0.7	24	0.8	*	*	0	0.0	0	0.0	0	0.0
<b>Congenital Anomalies</b>	27	0.8	18	0.6	7	3.1	*	*	0	0.0	0	0.0
<b>Perinatal Period Conditions</b>	30	0.9	20	0.7	5	2.2	5	3.1	0	0.0	0	0.0
<b>All Other</b>	722	21.3	626	21.3	41	17.9	36	22.4	13	24.5	3	27.3
<b>Injury by Firearm</b>	75	2.2	54	1.8	13	5.7	4	2.5	3	5.7	*	*
<b>Drug-Induced Deaths</b>	80	2.4	68	2.3	6	2.6	5	3.1	0	0.0	*	*
<b>Alcohol-Induced Deaths</b>	76	2.2	64	2.2	8	3.5	*	*	*	*	0	0.0
<b>Work-Related Injury (Y/N Check Death Certificate)</b>	7	0.2	5	0.2	*	*	*	*	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: El Paso County residents, 2007

Age Group	Deaths	Population	Age-Specific Death Rate
	Age Group	Age Group	Age Group
All Ages	3,392	584,923	5.8
Infant	71	9,037	7.9
Neonatal	44	9,037	4.9
1-4	7	34,064	0.2
5-9	9	41,952	0.2
10-14	5	40,238	0.1
15-19	24	45,108	0.5
20-24	34	53,505	0.6
25-29	50	43,740	1.1
30-34	40	37,816	1.1
35-39	50	40,406	1.2
40-44	95	42,350	2.2
45-49	130	45,077	2.9
50-54	187	40,964	4.6
55-59	200	33,907	5.9
60-64	216	24,202	8.9
65-69	247	16,681	14.8
70-74	281	13,150	21.4
75-79	383	10,885	35.2
80-84	431	6,907	62.4
85+	932	5,313	175.4
1-14	21	116,254	0.2
15-24	58	98,613	0.6
25-64	968	308,462	3.1
65+	2,274	52,936	43.0

\* 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: El Paso County residents, 2007

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	71	7.9	21	0.2	58	0.6	235	1.4	733	5.1	2,274	43.0
Cardiovascular Disease	*	*	*	*	*	*	32	0.2	182	1.3	726	13.7
Heart Disease	0	0.0	*	*	*	*	25	0.2	153	1.1	492	9.3
Cerebrovascular Disease	*	*	*	*	*	*	7	0.0	22	0.2	171	3.2
Atherosclerosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4	0.1
Malignant Neoplasms	0	0.0	6	0.1	6	0.1	37	0.2	224	1.6	512	9.7
Lung Cancer	0	0.0	0	0.0	0	0.0	*	*	45	0.3	113	2.1
Breast Cancer	0	0.0	0	0.0	0	0.0	5	0.0	19	0.1	37	0.7
Chronic Lower Respiratory Diseases	*	*	0	0.0	0	0.0	*	*	34	0.2	155	2.9
Unintentional Injuries	*	*	3	0.0	18	0.2	60	0.4	57	0.4	80	1.5
Motor Vehicle	0	0.0	0	0.0	8	0.1	20	0.1	13	0.1	10	0.2
Other Unintentional Injuries	*	*	3	0.0	10	0.1	40	0.2	44	0.3	70	1.3
Pneumonia and Influenza	*	*	*	*	0	0.0	*	*	6	0.0	46	0.9
Suicide	0	0.0	*	*	13	0.1	37	0.2	37	0.3	10	0.2
Diabetes Mellitus	0	0.0	0	0.0	*	*	4	0.0	17	0.1	47	0.9
HIV Infection	0	0.0	0	0.0	0	0.0	4	0.0	5	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	0	0.0	0	0.0	0	0.0	4	0.0	40	0.3	15	0.3
Alzheimer's Disease	0	0.0	0	0.0	0	0.0	0	0.0	*	*	101	1.9
Nephritis, Nephrosis, Nephrotic Syndrome	0	0.0	0	0.0	0	0.0	*	*	4	0.0	20	0.4
Homicide and Legal Intervention	0	0.0	*	*	10	0.1	10	0.1	5	0.0	*	*
Septicemia	0	0.0	0	0.0	0	0.0	0	0.0	4	0.0	21	0.4
Congenital Anomalies	17	1.9	3	0.0	0	0.0	*	*	3	0.0	3	0.1
Perinatal Period Conditions	30	3.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
All Other	19	2.1	4	0.0	8	0.1	41	0.2	113	0.8	537	10.1
Injury by Firearm	0	0.0	*	*	18	0.2	24	0.1	24	0.2	8	0.2
Drug-Induced Deaths	0	0.0	*	*	9	0.1	36	0.2	31	0.2	3	0.1
Alcohol-Induced Deaths	0	0.0	0	0.0	0	0.0	8	0.0	59	0.4	9	0.2
Work-Related Injury (Y/N Check Death Certificate)	0	0.0	0	0.0	0	0.0	*	*	4	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:  
El Paso County residents, 2007**

Cause of Death	N	Rate	Age-Adjusted Rate	Lower Limit	Upper Limit
All Causes	3,392	579.9	772.8	747.3	798.2
Cardiovascular Disease	945	161.6	225.9	211.5	240.4
Heart Disease	672	114.9	157.7	145.7	169.8
Cerebrovascular Disease	203	34.7	50.6	43.5	57.6
Atherosclerosis	4	0.7	1.0	0.4	2.0
Malignant Neoplasms	785	134.2	171.1	158.9	183.4
Lung Cancer	159	27.2	34.3	28.9	39.8
Breast Cancer	61	10.4	13.3	9.9	16.8
Chronic Lower Respiratory Diseases	192	32.8	45.8	39.2	52.4
Unintentional Injuries	219	37.4	44.0	38.0	50.0
Motor Vehicle	51	8.7	9.1	6.5	11.6
Other Unintentional Injuries	166	28.4	34.6	29.2	40.0
Pneumonia and Influenza	56	9.6	14.1	10.4	17.9
Suicide	98	16.8	16.7	13.3	20.1
Diabetes Mellitus	69	11.8	15.4	11.7	19.1
HIV Infection	9	1.5	1.6	0.7	2.7
Chronic Liver Disease and Cirrhosis	59	10.1	10.5	7.8	13.3
Alzheimer's Disease	103	17.6	28.0	22.6	33.5
Nephritis, Nephrosis, Nephrotic Syndrome	26	4.4	6.1	3.7	8.5
Homicide and Legal Intervention	27	4.6	4.3	2.7	6.0
Septicemia	25	4.3	6.1	3.7	8.5
Congenital Anomalies	27	4.6	4.7	2.9	6.5
Perinatal Period Conditions	30	5.1	4.8	3.1	6.5
All Other	722	123.4	173.5	160.8	186.3
Injury by Firearm	75	12.8	12.6	9.7	15.6
Drug-Induced Deaths	80	13.7	13.5	10.5	16.5
Alcohol-Induced Deaths	76	13.0	12.7	9.8	15.5
Work-Related Injury (Y/N Check Death Certificate)	7	1.2	1.3	0.4	2.5

*\* 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.*

## Notes Regarding Colorado's Revised Certificate of Live Birth

These tables contain Colorado birth data that were collected using the 1989 Revision of the U.S. Standard Certificate of Live Birth (unrevised) and the 2003 Revision of the U.S. Standard Certificate of Live Birth (revised)<sup>1,2,3</sup>. Colorado's birth registration system used the unrevised certificate for births through calendar year 2006; while births in 2007 through the present were registered using the revised certificate. Among the differences in the revised birth certificate are changes to the following data items:

- Mother's and father's race, captures multiple race identification instead of single race identification
- Mother's and father's education, captures highest degree attained instead of total years of education
- Mother's marital status at time of birth, captures never married, married, widowed, separated, and divorced instead of just married or unmarried
- Cigarette smoking before and during pregnancy, captures levels of smoking in each trimester instead of just smoking any time during pregnancy

And the addition of the following data items:

- Method of delivery includes fetal presentation and trial of labor prior to cesarean delivery
- Pre-pregnancy weight, weight at delivery and height, used to calculate Body Mass Index
- Congenital anomalies, certain conditions have been added or removed
- Fertility therapy
- Did mother get WIC food for herself during this pregnancy
- Infections during pregnancy
- Maternal morbidity
- Breast feeding
- Principal source of payment for the delivery

Data items noted above that were collected using both the unrevised certificate and the revised certificate are not directly comparable. Analyses of birth data for time periods that include both revised and unrevised data should be performed with caution.

To facilitate analyses of births by race, the multiple race identification in revised certificates has been bridged back to a single race using a system developed by the National Center for Health Statistics at the Centers for Disease Control and Prevention<sup>4</sup>. *Please note*, however, that there has been an increase in the number of births reported with "other" or "unknown" maternal and paternal race and/or Hispanic ethnicity in 2007 compared to previous years. This is likely attributable to the change to the revised certificate.

The Health Statistics Section at the Colorado Department of Public Health and Environment is available to assist with analyses of these data, as well as to answer questions one might have regarding the revised certificate and the affected data items. For further information or assistance, please contact the Health Statistics Section at **(303) 692-2160** or by e-mail at [health.statistics@state.co.us](mailto:health.statistics@state.co.us).

### References:

- <sup>1</sup> National Center for Health Statistics. 2003 revision of the U.S. Standard Certificate of Live Birth. 2003. Available from: [http://www.cdc.gov/nchs/vital\\_certs\\_rev.htm](http://www.cdc.gov/nchs/vital_certs_rev.htm).
- <sup>2</sup> National Center for Health Statistics. Report of the Panel to Evaluate the U.S. Standard Certificates and Reports. National Center for Health Statistics. 2000. Available from: [http://www.cdc.gov/nchs/data/dvs/panelreport\\_acc.pdf](http://www.cdc.gov/nchs/data/dvs/panelreport_acc.pdf).
- <sup>3</sup> Martin JA, Hamilton BE, Sutton PD, et al. Births: Final data for 2004. National vital statistics reports; vol 55 no 1. Hyattsville, MD: National Center for Health Statistics. 2006.
- <sup>4</sup> NCHS Procedures for Multiple-Race and Hispanic Origin Data: Collection, Coding, Editing, and Transmitting. Division of Vital Statistics, National Center for Health Statistics, Centers for Disease Control and Prevention, May 7, 2004. Available from: [http://www.cdc.gov/nchs/data/dvs/Multiple\\_race\\_docu\\_5-10-04.pdf](http://www.cdc.gov/nchs/data/dvs/Multiple_race_docu_5-10-04.pdf).