El Paso County Births and Deaths 2015

For more information about these tables, please contact the Vital Statistics Program at the Colorado Department of Public Health and Environment by telephone at **(303) 692-2160** or by email at **cdphe.healthstatistics@state.co.us**.

Selected birth characteristics: El Paso County residents, 2015

Characteristic	Number	Percent
Total Live Births	9,449	100.0
Age of Mother		
10-17	97	1.0
18-19	361	3.8
20-29	5,313	56.3
30+	3,670	38.9
Low Weight Births (<2,500 Grams)	943	10.0
Very Low Weight Births (<1,500 Grams)	124	1.3
Prenatal Care Later than 1st Trimester/No Care	1,613	18.0
No Prenatal Care	71	0.8
Preterm Births (<37 Weeks)	933	9.9
Education of Mother <High School Diploma/GED	794	8.4
Live Births to Unmarried Women	2,134	22.6
Smoking During Pregnancy	565	6.0

"Education of Mother," "Births to Unmarried Women," and "Smoking During Pregnancy" are among items collected starting in 2007, using the revised birth certificate, that are not directly comparable to data collected before 2007. See "Notes Regarding Colorado Revised Certificate of Live Birth" at end of report for details.
* 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.

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

Selected birth characteristics by age group of mother: El Paso County residents, 2015

Characteristic	All Ages		10-17		18-19		20-29		30+	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total Live Births	9,449	100.0	97	100.0	361	100.0	5,313	100.0	3,670	100.0
Race/Ethnicity of Mother										
White, Non-Hispanic	6,228	66.2	37	38.1	183	51.1	3,364	63.5	2,641	72.2
White, Hispanic	1,473	15.6	31	32.0	88	24.6	919	17.4	431	11.8
Black	848	9.0	18	18.6	45	12.6	542	10.2	243	6.6
Asian American/Pacific Islander	414	4.4	*	*	10	2.8	200	3.8	202	5.5
American Indian/Native Alaskan	87	0.9	*	*	3	0.8	54	1.0	29	0.8
Other	363	3.9	8	8.2	29	8.1	216	4.1	110	3.0
Unknown	36		0	0.0	3		18		14	
Low Weight Births (<2,500 Grams)	943	10.0	13	13.4	52	14.4	502	9.5	376	10.2
Very Low Weight Births (<1,500 Grams)	124	1.3	0	0.0	8	2.2	56	1.1	60	1.6
Prenatal Care Later than 1st Trimester/No Care	1,613	18.0	32	34.8	98	28.2	989	19.7	493	14.2
No Prenatal Care	71	0.8	*	*	4	1.2	46	0.9	19	0.5
Preterm Births (<37 Weeks)	933	9.9	6	6.2	44	12.2	500	9.4	383	10.4
Education of Mother <High School Diploma/GED	794	8.4	82	87.2	117	32.4	379	7.2	215	5.9
Live Births to Unmarried Women	2,134	22.6	92	94.8	215	59.6	1,327	25.0	499	13.6
Smoking During Pregnancy	565	6.0	7	7.2	27	7.5	357	6.7	174	4.7

"Education of Mother," "Births to Unmarried Women," and "Smoking During Pregnancy" are among items collected starting in 2007, using the revised birth certificate, that are not directly comparable to data collected before 2007. See "Notes Regarding Colorado Revised Certificate of Live Birth" at end of report for details.
* 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.
Percentage not computed for cells shaded in light gray.

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

Selected birth characteristics by race/ethnicity of mother: El Paso County residents, 2015

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
Total Live Births	6,228	100.0	1,473	100.0	848	100.0	414	100.0	87	100.0
Age of Mother										
10-17	37	0.6	31	2.1	18	2.1	*	*	*	*
18-19	183	2.9	88	6.0	45	5.3	10	2.4	3	3.4
20-29	3,364	54.0	919	62.4	542	63.9	200	48.3	54	62.1
30+	2,641	42.4	431	29.3	243	28.7	202	48.8	29	33.3
Low Weight Births (<2,500 Grams)	584	9.4	141	9.6	127	15.0	47	11.4	4	4.6
Very Low Weight Births (<1,500 Grams)	66	1.1	25	1.7	22	2.6	5	1.2	0	0.0
Prenatal Care Later than 1st Trimester/No Care	943	16.1	280	19.9	191	23.5	68	17.3	25	29.1
No Prenatal Care	40	0.7	16	1.1	8	1.0	3	0.8	0	0.0
Preterm Births (<37 Weeks)	586	9.4	145	9.8	100	11.8	47	11.4	12	13.8
Education of Mother <High School Diploma/GED	292	4.7	252	17.2	84	9.9	20	4.9	6	6.9
Live Births to Unmarried Women	1,077	17.3	469	31.8	366	43.2	62	15.0	25	28.7
Smoking During Pregnancy	389	6.2	73	5.0	73	8.6	15	3.6	5	5.7

"Education of Mother," "Births to Unmarried Women," and "Smoking During Pregnancy" are among items collected starting in 2007, using the revised birth certificate, that are not directly comparable to data collected before 2007. See "Notes Regarding Colorado Revised Certificate of Live Birth" at end of report for details.
* 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.

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

Selected birth characteristics by area-based poverty status of mother's residence: El Paso County residents, 2015

Characteristic	<10%		10-19.9%		20-29.9%		30%+		Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total Live Births	4,033	100.0	3,100	100.0	1,263	100.0	703	100.0	350	100.0
Race/Ethnicity of Mother										
White, Non-Hispanic	2,989	74.3	2,059	66.7	642	51.1	302	43.1	236	67.8
White, Hispanic	486	12.1	481	15.6	279	22.2	182	26.0	45	12.9
Black	249	6.2	263	8.5	185	14.7	113	16.1	38	10.9
Asian American/Pacific Islander	202	5.0	117	3.8	48	3.8	29	4.1	18	5.2
American Indian/Native Alaskan	25	0.6	36	1.2	18	1.4	5	0.7	3	0.9
Other	71	1.8	129	4.2	85	6.8	70	10.0	8	2.3
Unknown	11		15		6		*	*	*	*
Low Weight Births (<2,500 Grams)	359	8.9	303	9.8	160	12.7	81	11.5	40	11.4
Very Low Weight Births (<1,500 Grams)	44	1.1	48	1.5	16	1.3	10	1.4	6	1.7
Prenatal Care Later than 1st Trimester/No Care	543	14.3	578	19.7	264	21.9	172	25.4	56	16.6
No Prenatal Care	10	0.3	28	1.0	13	1.1	17	2.5	3	0.9
Preterm Births (<37 Weeks)	364	9.0	317	10.2	141	11.2	67	9.5	44	12.6
Education of Mother <High School Diploma/GED	148	3.7	273	8.8	218	17.3	143	20.4	12	3.4
Live Births to Unmarried Women	673	16.7	693	22.4	465	36.8	265	37.7	38	10.9
Smoking During Pregnancy	128	3.2	211	6.8	135	10.7	78	11.1	13	3.7

Area-based poverty status represents the percentage of population in the census tract of maternal residence living at or below the federal poverty level, based on the 2014 5-Year American Community Survey.
Census tracts of maternal residence were determined by linking the maternal residence address at the time of infant birth to its respective census tract as defined by the 2010 U.S. census-designated boundaries. See "Notes Regarding Colorado Area-Based Poverty Estimates" at end of report for details.
"Education of Mother," "Births to Unmarried Women," and "Smoking During Pregnancy" are among items collected starting in 2007, using the revised birth certificate, that are not directly comparable to data collected before 2007. See "Notes Regarding Colorado Revised Certificate of Live Birth" at end of report for details.
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Percentages are of total births, excluding cases with specific characteristics unknown.
Percentage not computed for cells shaded in light gray.

Source: Vital Statistics Program, 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, 2015

Age Group	Births	Population	Fertility Rate	Lower Limit	Upper Limit
All Ages	9,449	138,315	68.3	67.0	69.6
Teen Age Groups					
13-14	3	9,961	0.3	0.1	0.7
15-17	94	14,093	6.7	5.3	8.0
18-19	361	9,243	39.1	35.1	43.1
10-17	97	38,917	2.5	2.0	3.0
10-19	458	48,160	9.5	8.6	10.4
All Age Groups					
10-14	3	24,824	0.1	0.0	0.3
15-19	455	23,336	19.5	17.7	21.3
20-24	2,297	24,493	93.8	90.1	97.5
25-29	3,016	25,443	118.5	114.5	122.5
30-34	2,382	23,982	99.3	95.5	103.1
35-39	1,075	21,031	51.1	48.1	54.1
40-49	212	40,627	5.2	4.5	5.9

* 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.
Lower and upper limits represent the 95% confidence interval of the fertility rate.
Population data for 'all ages' are females ages 15-44.

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

Vital statistics summary: El Paso County residents, 2005, 2011-2015

	2005	2011	2012	2013	2014	2015	2016	2011-2015 Annual Average
Total Population	569,322	638,619	647,758	657,413	665,792	677,022	*	657,321
Total Births								
Number	8,658	9,148	9,125	9,134	9,375	9,449	0	9,246
Birth Rate	15.2	14.3	14.1	13.9	14.1	14.0	0.0	14.1
General Fertility Rate	70.4	69.8	68.9	68.1	69.1	68.3	0.0	68.8
Age of Mother 10-17								
Number	220	160	146	140	123	97	0	133
Percent of Total Births	2.5	1.7	1.6	1.5	1.3	1.0	0.0	1.4
Fertility Rate	6.6	4.4	4.0	3.7	3.2	2.5	0.0	3.6
Low Weight Births (<2,500 Grams)								
Number	866	883	881	892	846	943	0	889
Percent	10.0	9.7	9.7	9.8	9.0	10.0	0.0	9.6
Prenatal Care Later Than 1st Trimester/No Care								
Number	2,239	1,762	1,636	1,669	1,844	1,613	0	1,705
Percent	25.9	19.7	18.4	19.0	20.5	18.0	0.0	19.1
Births to Unmarried Women								
Number	2,312	2,201	2,119	2,075	2,167	2,134	0	2,139
Percent	26.7	24.1	23.2	22.7	23.1	22.6	0.0	23.1
Mother's Education <12 Years								
Number	1,217	1,045	924	837	853	794	0	891
Percent	14.2	11.5	10.2	9.2	9.1	8.4	0.0	9.7
Infant Deaths								
Number	64	61	48	46	42	48	0	49
Rate	7.4	6.7	5.3	5.0	4.5	5.1	0.0	5.3
Neonatal Deaths								
Number	39	38	29	27	33	33	0	32
Rate	4.5	4.2	3.2	3.0	3.5	3.5	0.0	3.5
Total Deaths								
Number	3,435	3,770	3,780	4,072	4,057	4,213	0	3,978
Crude Rate	603.3	590.3	583.6	619.4	609.3	622.3	0.0	605.2
Age-Adjusted Rate	787.6	694.1	667.8	694.6	669.7	671.0	0.0	678.9
Cardiovascular Disease								
Number	990	964	963	1,055	1,055	1,083	0	1,024
Age-Adjusted Rate	240.2	182.8	176.3	184.1	177.3	175.1	0.0	179.0
Heart Disease								

(Continued)

HIGHLIGHTED ROWS: Denotes data items collected starting in 2007, using the revised birth certificate, that are not directly comparable to data collected before 2007. Due to this incomparability, comparisons of values from 2007-forward to pre-2007 values should be made with caution. See "Notes Regarding Colorado Revised Certificate of Live Birth" at end of report for details.
* 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: Vital Statistics Program, Colorado Department of Public Health and Environment.

Vital statistics summary: El Paso County residents, 2005, 2011-2015

	2005	2011	2012	2013	2014	2015	2016	2011-2015 Annual Average
Number	684	691	693	766	776	777	0	741
Age-Adjusted Rate	163.7	130.0	126.1	132.1	128.9	124.9	0.0	128.3
Cerebrovascular Disease								
Number	231	191	194	206	213	220	0	205
Age-Adjusted Rate	57.7	37.3	36.3	37.1	37.6	36.3	0.0	36.9
Malignant Neoplasms								
Number	730	814	861	851	829	843	0	840
Age-Adjusted Rate	160.9	147.2	147.5	140.9	132.9	129.0	0.0	139.1
Lung Cancer								
Number	187	187	203	183	191	169	0	187
Age-Adjusted Rate	42.2	33.7	34.9	30.3	30.5	26.0	0.0	30.9
Breast Cancer								
Number	63	54	62	68	63	66	0	63
Age-Adjusted Rate	13.5	9.4	10.3	10.9	9.7	10.2	0.0	10.1
Total Unintentional Injuries								
Number	222	281	280	299	295	316	0	294
Age-Adjusted Rate	41.7	47.5	46.5	48.7	47.3	48.2	0.0	47.6
Motor Vehicle								
Number	69	57	40	81	70	73	0	64
Age-Adjusted Rate	11.9	8.8	6.3	12.3	11.1	10.7	0.0	9.9
Other Unintentional Injuries								
Number	153	224	240	218	225	243	0	230
Age-Adjusted Rate	29.8	38.7	40.2	36.4	36.2	37.5	0.0	37.7
Chronic Lower Respiratory Diseases								
Number	234	235	224	274	278	312	0	265
Age-Adjusted Rate	55.5	45.6	41.6	48.4	47.8	50.9	0.0	47.0
Suicide								
Number	106	112	151	150	145	169	0	145
Age-Adjusted Rate	18.6	17.5	23.0	22.1	22.1	24.9	0.0	22.0
Homicide and Legal Intervention								
Number	18	35	30	42	25	31	0	33
Age-Adjusted Rate	3.0	5.4	4.5	6.4	3.9	4.6	0.0	5.0
Work-Related Injury								
Number	4	3	6	7	6	4	0	5
Age-Adjusted Rate	0.7	0.6	1.0	1.1	1.0	0.6	0.0	0.9

HIGHLIGHTED ROWS: Denotes data items collected starting in 2007, using the revised birth certificate, that are not directly comparable to data collected before 2007. Due to this incomparability, comparisons of values from 2007-forward to pre-2007 values should be made with caution. See "Notes Regarding Colorado Revised Certificate of Live Birth" at end of report for details.
* 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: Vital Statistics Program, 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, 2015

Cause of Death	N	Crude Rate	Age-Adjusted Rate	Lower Limit	Upper Limit
All Causes	4,213	622.3	671.0	650.9	691.0
Cardiovascular Disease	1,083	160.0	175.1	164.6	185.6
Heart Disease	777	114.8	124.9	116.0	133.7
Cerebrovascular Disease	220	32.5	36.3	31.5	41.2
Atherosclerosis	5	0.7	0.8	0.3	1.6
Malignant Neoplasms	843	124.5	129.0	120.1	137.8
Lung Cancer	169	25.0	26.0	22.0	30.0
Breast Cancer	66	9.7	10.2	7.7	12.7
Chronic Lower Respiratory Diseases	312	46.1	50.9	45.2	56.6
Unintentional Injuries	316	46.7	48.2	42.8	53.6
Motor Vehicle	73	10.8	10.7	8.2	13.1
Other Unintentional Injuries	240	35.4	37.1	32.3	41.8
Pneumonia and Influenza	60	8.9	9.8	7.3	12.3
Suicide	169	25.0	24.9	21.1	28.8
Diabetes Mellitus	125	18.5	20.0	16.4	23.6
HIV Infection	4	0.6	0.6	0.2	1.3
Chronic Liver Disease and Cirrhosis	95	14.0	13.0	10.4	15.7
Alzheimer's Disease	163	24.1	29.0	24.5	33.4
Nephritis, Nephrosis, Nephrotic Syndrome	40	5.9	6.4	4.4	8.4
Homicide and Legal Intervention	31	4.6	4.6	3.0	6.3
Septicemia	42	6.2	6.8	4.7	8.8
Congenital Anomalies	18	2.7	2.5	1.4	3.7
Perinatal Period Conditions	27	4.0	3.9	2.4	5.4
All Other	885	130.7	146.2	136.6	155.9
Injury by Firearm	106	15.7	15.9	12.8	19.0
Drug-Induced Deaths	146	21.6	21.8	18.2	25.4
Alcohol-Induced Deaths	112	16.5	16.1	13.0	19.1
Work-Related Injury (Y/N Check Death Certificate)	4	0.6	0.6	0.1	1.5

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.
Lower and upper limits represent the 95% confidence interval of the age-adjusted rate.

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

Deaths and age-specific death rates from selected causes: El Paso County residents, 2015

Cause of Death	<1 N	<1 Rate	1-14 N	1-14 Rate	15-24 N	15-24 Rate	25-44 N	25-44 Rate	45-64 N	45-64 Rate	65+ N	65+ Rate
All Causes	48	5.1	26	0.2	85	0.8	289	1.6	891	5.3	2,874	35.8
Cardiovascular Disease	*	*	0	0.0	*	*	27	0.2	207	1.2	847	10.6
Heart Disease	*	*	0	0.0	*	*	23	0.1	161	1.0	591	7.4
Cerebrovascular Disease	0	0.0	0	0.0	0	0.0	*	*	31	0.2	187	2.3
Atherosclerosis	0	0.0	0	0.0	0	0.0	0	0.0	*	*	4	0.0
Malignant Neoplasms	0	0.0	*	*	*	*	27	0.2	245	1.5	567	7.1
Lung Cancer	0	0.0	0	0.0	0	0.0	*	*	44	0.3	124	1.5
Breast Cancer	0	0.0	0	0.0	0	0.0	3	0.0	18	0.1	45	0.6
Chronic Lower Respiratory Diseases	0	0.0	0	0.0	*	*	*	*	40	0.2	270	3.4
Unintentional Injuries	4	0.4	4	0.0	36	0.3	85	0.5	84	0.5	103	1.3
Motor Vehicle	0	0.0	*	*	16	0.2	27	0.2	15	0.1	13	0.2
Other Unintentional Injuries	4	0.4	*	*	20	0.2	58	0.3	69	0.4	90	1.1
Pneumonia and Influenza	0	0.0	0	0.0	*	*	*	*	10	0.1	47	0.6
Suicide	0	0.0	7	0.1	26	0.2	57	0.3	54	0.3	25	0.3
Diabetes Mellitus	0	0.0	0	0.0	*	*	6	0.0	30	0.2	88	1.1
HIV Infection	0	0.0	0	0.0	0	0.0	*	*	*	*	*	*
Chronic Liver Disease and Cirrhosis	0	0.0	0	0.0	0	0.0	13	0.1	57	0.3	25	0.3
Alzheimer's Disease	0	0.0	0	0.0	0	0.0	0	0.0	*	*	162	2.0
Nephritis, Nephrosis, Nephrotic Syndrome	0	0.0	0	0.0	0	0.0	0	0.0	12	0.1	28	0.3
Homicide and Legal Intervention	0	0.0	*	*	6	0.1	17	0.1	5	0.0	*	*
Septicemia	*	*	0	0.0	0	0.0	3	0.0	11	0.1	27	0.3
Congenital Anomalies	9	1.0	*	*	0	0.0	*	*	6	0.0	*	*
Perinatal Period Conditions	26	2.8	*	*	0	0.0	0	0.0	0	0.0	0	0.0
All Other	7	0.7	9	0.1	11	0.1	49	0.3	127	0.8	682	8.5
Injury by Firearm	0	0.0	5	0.0	18	0.2	38	0.2	29	0.2	16	0.2
Drug-Induced Deaths	0	0.0	0	0.0	21	0.2	57	0.3	54	0.3	14	0.2
Alcohol-Induced Deaths	0	0.0	0	0.0	*	*	27	0.2	62	0.4	22	0.3
Work-Related Injury (Y/N Check Death Certificate)	0	0.0	0	0.0	0	0.0	*	*	*	*	0	0.0

italic * 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.

Deaths from selected causes by race/ethnicity: El Paso County residents, 2015

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	%
Total	4,213	100.0	3,529	100.0	258	100.0	251	100.0	72	100.0	33	100.0
Cardiovascular Disease	1,083	25.7	913	25.9	51	19.8	76	30.3	24	33.3	4	12.1
Heart Disease	777	18.4	645	18.3	39	15.1	61	24.3	17	23.6	3	9.1
Cerebrovascular Disease	220	5.2	192	5.4	10	3.9	10	4.0	5	6.9	*	*
Atherosclerosis	5	0.1	5	0.1	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms	843	20.0	730	20.7	43	16.7	38	15.1	11	15.3	8	24.2
Lung Cancer	169	4.0	144	4.1	10	3.9	9	3.6	*	*	*	*
Breast Cancer	66	1.6	58	1.6	*	*	4	1.6	*	*	*	*
Chronic Lower Respiratory Disease	312	7.4	279	7.9	10	3.9	14	5.6	3	4.2	*	*
Unintentional Injuries	316	7.5	248	7.0	34	13.2	19	7.6	8	11.1	*	*
Motor Vehicle	73	1.7	52	1.5	13	5.0	3	1.2	5	6.9	0	0.0
Other Unintentional Injuries	243	5.8	196	5.6	21	8.1	16	6.4	3	4.2	*	*
Pneumonia and Influenza	60	1.4	52	1.5	4	1.6	0	0.0	*	*	0	0.0
Suicide	169	4.0	139	3.9	11	4.3	10	4.0	*	*	4	12.1
Diabetes Mellitus	125	3.0	95	2.7	11	4.3	16	6.4	*	*	*	*
HIV Infection	4	0.1	3	0.1	0	0.0	*	*	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	95	2.3	71	2.0	15	5.8	3	1.2	0	0.0	*	*
Alzheimer's Disease	163	3.9	145	4.1	7	2.7	4	1.6	*	*	*	*
Nephritis, Nephrosis, Nephrotic Syndrome	40	0.9	32	0.9	4	1.6	*	*	*	*	0	0.0
Homicide and Legal Intervention	31	0.7	17	0.5	6	2.3	7	2.8	0	0.0	0	0.0
Septicemia	42	1.0	34	1.0	*	*	4	1.6	*	*	0	0.0
Congenital Anomalies	18	0.4	13	0.4	*	*	3	1.2	0	0.0	0	0.0
Perinatal Period Conditions	27	0.6	14	0.4	7	2.7	4	1.6	*	*	0	0.0
All Other	885	21.0	744	21.1	52	20.2	50	19.9	17	23.6	9	27.3
Injury by Firearm	106	2.5	85	2.4	8	3.1	10	4.0	0	0.0	0	0.0
Drug-Induced Deaths	146	3.5	113	3.2	13	5.0	9	3.6	3	4.2	*	*
Alcohol-Induced Deaths	112	2.7	89	2.5	15	5.8	5	2.0	0	0.0	*	*
Work-Related Injury (Y/N Check Death Certificate)	4	0.1	4	0.1	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: Vital Statistics Program, Colorado Department of Public Health and Environment.

Deaths from selected causes by area-based poverty status of decedent's residence: El Paso County residents, 2015

Cause of Death	<10%		10-19.9%		20-29.9%		30%+		Unknown	
	N	%	N	%	N	%	N	%	N	%
Total	1,587	100.0	1,604	100.0	634	100.0	247	100.0	141	100.0
Cardiovascular Disease	379	23.9	434	27.1	173	27.3	65	26.3	32	22.7
Heart Disease	247	15.6	332	20.7	128	20.2	48	19.4	22	15.6
Cerebrovascular Disease	93	5.9	77	4.8	35	5.5	9	3.6	6	4.3
Atherosclerosis	3	0.2	*	*	0	0.0	0	0.0	*	*
Malignant Neoplasms	391	24.6	286	17.8	107	16.9	35	14.2	24	17.0
Lung Cancer	68	4.3	56	3.5	30	4.7	10	4.0	5	3.5
Breast Cancer	31	2.0	23	1.4	8	1.3	*	*	*	*
Chronic Lower Respiratory Disease	97	6.1	126	7.9	58	9.1	22	8.9	9	6.4
Unintentional Injuries	118	7.4	111	6.9	47	7.4	18	7.3	22	15.6
Motor Vehicle	28	1.8	25	1.6	6	0.9	3	1.2	11	7.8
Other Unintentional Injuries	90	5.7	86	5.4	41	6.5	15	6.1	11	7.8
Pneumonia and Influenza	23	1.4	20	1.2	10	1.6	5	2.0	*	*
Suicide	73	4.6	58	3.6	16	2.5	12	4.9	10	7.1
Diabetes Mellitus	38	2.4	55	3.4	16	2.5	12	4.9	4	2.8
HIV Infection	0	0.0	3	0.2	*	*	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis	29	1.8	48	3.0	12	1.9	5	2.0	*	*
Alzheimer's Disease	67	4.2	64	4.0	20	3.2	5	2.0	7	5.0
Nephritis, Nephrosis, Nephrotic Syndrome	8	0.5	20	1.2	6	0.9	4	1.6	*	*
Homicide and Legal Intervention	9	0.6	11	0.7	3	0.5	5	2.0	3	2.1
Septicemia	17	1.1	12	0.7	9	1.4	*	*	*	*
Congenital Anomalies	11	0.7	5	0.3	*	*	0	0.0	0	0.0
Perinatal Period Conditions	7	0.4	12	0.7	5	0.8	3	1.2	0	0.0
All Other	320	20.2	339	21.1	149	23.5	54	21.9	23	16.3
Injury by Firearm	46	2.9	39	2.4	7	1.1	9	3.6	5	3.5
Drug-Induced Deaths	53	3.3	55	3.4	21	3.3	8	3.2	9	6.4
Alcohol-Induced Deaths	40	2.5	48	3.0	10	1.6	11	4.5	3	2.1
Work-Related Injury (Y/N Check Death Certificate)	*	*	*	*	0	0.0	*	*	*	*

Area-based poverty status represents the percentage of population in the census tract of decedent's residence living at or below the federal poverty level, based on the 2014 5-Year American Community Survey.
Census tracts of decedent residence were determined by linking the decedent residence address at the time of death to its respective census tract as defined by the 2010 U.S. census-designated boundaries. See "Notes Regarding Colorado Area-Based Poverty Estimates" at end of report for details.
* indicates one or two events in the category.
Percentages are of total deaths of each race/ethnicity category.

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

Deaths and age-specific death rates: El Paso County residents, 2015

Age Group	Deaths	Population	Age-Specific Death Rate
All Ages	4,213	677,022	6.2
Infant	48	9,449	5.1
Neonatal	33	9,449	3.5
1-4	10	37,813	0.3
5-9	*	47,835	*
10-14	14	48,990	0.3
15-19	30	49,080	0.6
20-24	55	55,773	1.0
25-29	68	49,698	1.4
30-34	70	46,722	1.5
35-39	63	42,358	1.5
40-44	88	40,187	2.2
45-49	102	40,742	2.5
50-54	192	47,212	4.1
55-59	267	44,802	6.0
60-64	330	36,041	9.2
65-69	325	29,104	11.2
70-74	396	19,278	20.5
75-79	440	13,118	33.5
80-84	537	9,528	56.4
85+	1,176	9,193	127.9
1-14	26	134,638	0.2
15-24	85	104,853	0.8
25-64	1,180	347,762	3.4
65+	2,874	80,222	35.8

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: Vital Statistics Program, 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)[1,2,3]. 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[4]. *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 beginning in 2007 compared to previous years. This is likely attributable to the change to the revised certificate.

The Health Statistics and Evaluation Branch at the Colorado Department of Public Health and Environment is available to assist with further 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 and Evaluation Branch at **(303) 692-2160** or by e-mail at **cdphe.healthstatistics@state.co.us**.

References:

[1] 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.

[2] 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.

[3] 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.

[4] 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.

Notes Regarding Colorado's Area-Based Poverty Estimates

Poverty continues to be an important factor that increases the risk of adverse birth outcomes, disease, and mortality across all ages. The relationships between poverty and such outcomes are unsurprising given the socioeconomic differences in health behaviors, familial and other risk factors, access to appropriate prenatal and preventive health care and treatment for illness and disease. Consequently, considering poverty when exploring changes in the health status of Colorado's communities and the persistence of health disparities by poverty status are increasingly important[1,2,3].

These summary tables now contain counts and proportions of births and deaths by area-based poverty status of place of residence. *Area-based poverty status represents the percentage of the population in the census tract of residence living at or below the federal poverty level*.

Place of residence is based on the maternal self-reported residence address at the time of an infant's birth for birth statistics, and the residence address of decedent at the time of death, collected from next of kin, for death statistics. Census tracts of residence are determined by linking these addresses to their respective census tracts as defined by the 2010 U.S. Census-designated boundaries. The percentage of the population in a census tract living at or below the federal poverty level of census tracts is ascertained from the most current 5-Year American Community Survey estimates made available by the U.S. Census Bureau.

Colorado consists of 1,249 unique census tracts, which are formal sub-county geographic areas defined by the U.S. Census Bureau, confined by county boundaries, and typically represent between 1,200 and 8,000 people. Counties with large populations, such as in the state's large metropolitan areas, contain many census tracts; while counties with smaller populations, such as in the state's rural and mountain regions, may have only a couple of census tracts[4].

Area-based poverty status is measured by calculating the percent of the population in each census tract that is living at or below the federal poverty level. Whether one is living at or below the federal poverty level is determined using a set of money income thresholds that vary by family size, age and composition[5]. Categories used for these reports include 0-9.9%, 10-19.9%, 20-29.9% and 30% of the population or greater living at or below the federal poverty level.
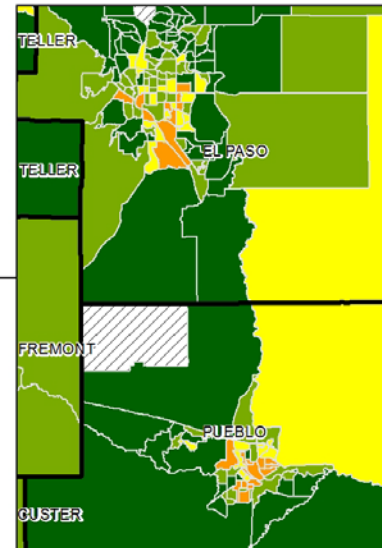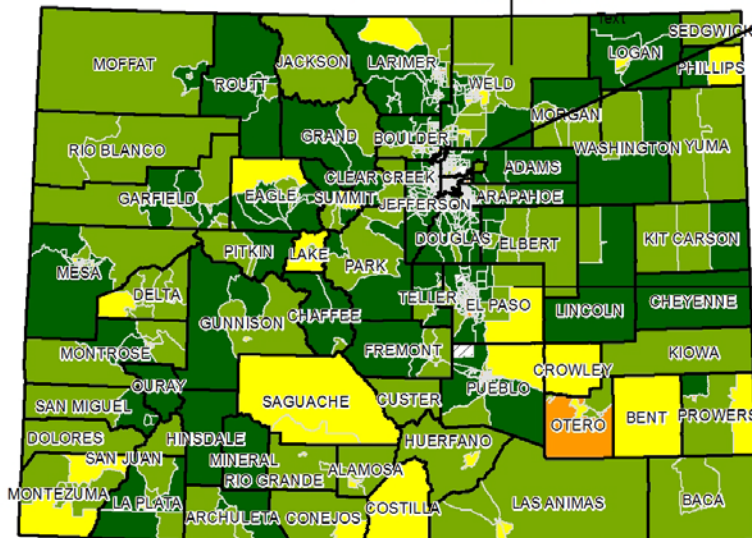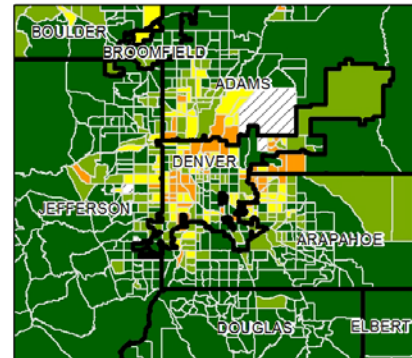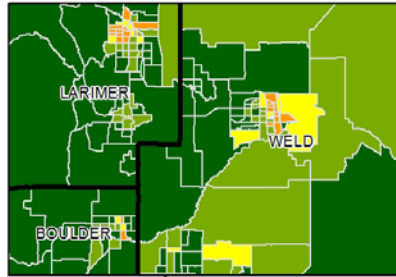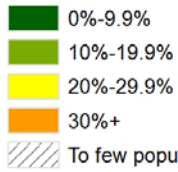
The map on the following page depicts census tract boundaries for Colorado and its largest metropolitan areas and each census tract's poverty status. Note that for some less populous counties with few census tracts, a single area-based poverty status category may represent most or all of the county.

The Health Statistics and Evaluation Branch at the Colorado Department of Public Health and Environment is available to assist with further analyses of these data, as well as to answer questions one might have regarding these novel vital statistics measures. For further information or assistance, please contact the Health Statistics and Evaluation Branch at **(303) 692-2160** or by e-mail at **cdphe.healthstatistics@state.co.us**.

References:

[1] Krieger N, Chen JT, Ebel G. *Can we monitor socioeconomic inequalities in health? A survey of U.S. health departments' data collection and reporting practices*. Public Health Reports. 1997 Nov-Dec; 112(6):481-91.

[2] Subramanian SV, Chen JT, Rehkopf DH, Waterman PD, Krieger N. *Comparing individual- and area-based socioeconomic measures for the surveillance of health disparities: A multilevel analysis of Massachusetts births, 1989-1991*. American Journal of Epidemiology. 2006 Nov 1; 164(9): 823-834.

[3] Colorado Comprehensive Cancer Program. *Cancer & Poverty in Colorado: 1995-2006*. Denver, CO: Colorado Department of Public Health and Environment. Available from: http://www.colorado.gov/cs/Satellite/CDPHE-PSD/CBON/1251635536890#

[4] *Geographic Terms and Concepts – Census Tract. United States Census Bureau.* Available from: www.census.gov/geo/reference/gtc/gtc_ct.html

[5] *How the Census Bureau Measures Poverty. United States Census Bureau.* Available from: https://www.census.gov/hhes/www/poverty/about/overview/measure.html

**Area-based poverty status by Colorado census tracts:
Percent of population living at or below federal poverty level**

Legend:
- 0%-9.9%
- 10%-19.9%
- 20%-29.9%
- 30%+
- To few population to estimate

Source: 2008-2012 5-Year American Community Survey, U.S. Census Bureau