Colorado Births and Deaths 2021

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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: Colorado residents, 2021

Characteristic	Number	Percent
Total Live Births	62,928	100.0
Age of Mother		
10-17	556	0.9
18-19	1,531	2.4
20-29	26,096	41.5
30+	34,739	55.2
Low Weight Births (<2,500 Grams)	5,956	9.5
Very Low Weight Births (<1,500 Grams)	674	1.1
Prenatal Care Later than 1st Trimester/No Care	9,869	16.2
No Prenatal Care	975	1.6
Preterm Births (<37 Weeks)	6,131	9.8
Education of Mother <high diploma="" ged<="" school="" th=""><th>5,943</th><th>9.5</th></high>	5,943	9.5
Live Births to Unmarried Women	14,422	23.0
Smoking During Pregnancy	2,323	3.7

"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.

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.

Selected birth characteristics by age group of mother: Colorado residents, 2021

	A II A	lges	10	-17	18	-19	20	-29	3	0+
Characteristic	Number	Percent								
Total Live Births	62,928	100.0	557	100.0	1,533	100.0	26,112	100.0	34,752	100.0
Race/Ethnicity of Mother										
White, Non-Hispanic	36,956	60.0	146	27.5	449	30.3	12,774	50.1	23,595	69.1
White, Hispanic	15,002	24.3	285	53.7	712	48.1	8,367	32.8	5,649	16.5
Black	3,967	6.4	51	9.6	132	8.9	2,009	7.9	1,779	5.2
Asian American/Pacific Islander	3,162	5.1	5	0.9	33	2.2	975	3.8	2,150	6.3
American Indian/Native Alaskan	675	1.1	8	1.5	37	2.5	395	1.5	235	0.7
Other	1,878	3.0	36	6.8	117	7.9	992	3.9	736	2.2
Unknown	1,288		26		53		600		608	
Low Weight Births (<2,500 Grams)	5,956	9.5	70	12.6	174	11.4	2,456	9.4	3,257	9.4
Very Low Weight Births (<1,500 Grams)	674	1.1	14	2.5	17	1.1	263	1.0	381	1.1
Prenatal Care Later than 1st Trimester/No Care	9,869	16.2	205	38.5	435	29.6	4,787	18.9	4,441	13.2
No Prenatal Care	975	1.6	24	4.5	33	2.2	467	1.8	451	1.3
Preterm Births (<37 Weeks)	6,131	9.8	57	10.3	148	9.7	2,520	9.7	3,408	9.8
Education of Mother <high School Diploma/GED</high 	5,943	9.5	501	91.4	581	38.7	2,875	11.1	1,988	5.8
Live Births to Unmarried Women	14,422	22.9	529	95.0	1,056	68.9	8,422	32.3	4,415	12.7
Smoking During Pregnancy	2,323	3.7	17	3.1	68	4.4	1,202	4.6	1,036	3.0

"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.

Percentages are of total births, excluding cases with specific characteristics unknown Percentage not computed for cells shaded in light gray.

Selected birth characteristics by race/ethnicity of mother: Colorado residents, 2021

Characteristic	Wł Non-Hi		White H	lispanic	Bla	ack	Asi Americar Islai	n/Pacific	American Indian/Native Alaskan		
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	
Total Live Births	36,956	100.0	15,002	100.0	3,967	100.0	3,162	100.0	675	100.0	
Age of Mother											
10-17	146	0.4	285	1.9	51	1.3	5	0.2	8	1.2	
18-19	449	1.2	712	4.7	131	3.3	33	1.0	37	5.5	
20-29	12,769	34.6	8,360	55.7	2,008	50.6	974	30.8	395	58.5	
30+	23,589	63.8	5,645	37.6	1,777	44.8	2,150	68.0	235	34.8	
Low Weight Births (<2,500 Grams)	3,118	8.5	1,481	9.9	588	14.9	381	12.1	72	10.7	
Very Low Weight Births (<1,500 Grams)	314	0.9	178	1.2	87	2.2	41	1.3	9	1.3	
Prenatal Care Later than 1st Trimester/No Care	4,628	12.9	2,975	20.4	891	23.1	492	16.0	161	25.8	
No Prenatal Care	444	1.2	289	2.0	91	2.4	54	1.8	17	2.7	
Preterm Births (<37 Weeks)	3,362	9.1	1,546	10.3	483	12.2	310	9.8	80	11.9	
Education of Mother <high School Diploma/GED</high 	1,366	3.7	3,091	20.8	484	12.3	236	7.5	123	18.3	
Live Births to Unmarried Women	5,649	15.3	5,187	34.6	1,671	42.1	397	12.6	311	46.1	
Smoking During Pregnancy	1,513	4.1	428	2.9	191	4.8	42	1.3	43	6.4	

"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.

Selected birth characteristics by area-based poverty status of mother's residence: Colorado residents, 2021

	<1	0%	10-1	9.9%	20-29	9.9%	309	%+	Unkr	nown
Characteristic	Number	Percent								
Total Live Births	37,799	100.0	17,683	100.0	5,168	100.0	1,416	100.0	862	100.0
Race/Ethnicity of Mother										
White, Non-Hispanic	25,008	67.3	8,901	51.6	2,125	42.2	456	33.1	466	56.3
White, Hispanic	6,883	18.5	5,300	30.7	1,971	39.2	660	47.9	188	22.7
Black	1,933	5.2	1,452	8.4	426	8.5	114	8.3	42	5.1
Asian American/Pacific Islander	2,225	6.0	677	3.9	178	3.5	49	3.6	33	4.0
American Indian/Native Alaskan	266	0.7	289	1.7	69	1.4	27	2.0	24	2.9
Other	830	2.2	641	3.7	261	5.2	72	5.2	74	8.9
Unknown	654		423		138		38		35	
Low Weight Births (<2,500 Grams)	3,399	9.0	1,738	9.9	559	10.9	151	10.7	109	12.7
Very Low Weight Births (<1,500 Grams)	384	1.0	195	1.1	69	1.3	13	0.9	13	1.5
Prenatal Care Later than 1st Trimester/No Care	4,967	13.5	3,325	19.5	1,082	21.6	325	23.4	170	21.4
No Prenatal Care	415	1.1	340	2.0	145	2.9	41	3.0	34	4.3
Preterm Births (<37 Weeks)	3,465	9.2	1,822	10.3	565	10.9	171	12.1	108	12.5
Education of Mother <high School Diploma/GED</high 	2,082	5.6	2,405	13.8	985	19.4	341	24.4	130	15.6
Live Births to Unmarried Women	6,628	17.5	5,105	28.9	1,864	36.1	576	40.7	249	28.9
Smoking During Pregnancy	1,014	2.7	805	4.6	332	6.4	121	8.6	51	6.0

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 2020 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 2020 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.

* 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.

Live births and fertility rates with 95% confidence limits by age group of mother: Colorado residents, 2021

Age Group	Births	Population	Fertility Rate	Lower Limit	Upper Limit
All Ages	62,928	1,195,328	52.6	52.2	53.0
Teen Age Groups					
13-14	31	72,441	0.4	0.3	0.6
15-17	525	110,429	4.8	4.3	5.2
18-19	1,531	76,634	20.0	19.0	21.0
10-17	556	286,419	1.9	1.8	2.1
10-19	2,087	363,053	5.7	5.5	6.0
All Age Groups					
10-14	31	175,990	0.2	0.1	0.2
15-19	2,056	187,063	11.0	10.5	11.5
20-24	9,689	190,355	50.9	49.9	51.9
25-29	16,407	207,946	78.9	77.7	80.1
30-34	20,586	210,467	97.8	96.5	99.1
35-39	11,643	207,830	56.0	55.0	57.0
40-49	2,493	371,006	6.7	6.5	7.0

* 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.

Vital statistics summary: Colorado residents, 2011, 2017-2021

	2011	2017	2018	2019	2020	2021	2017-2021 Annual Average
Total Population	5,124,115	5,615,697	5,696,856	5,763,936	5,784,156	5,814,688	5,735,067
Total Births							
Number	65,052	64,387	62,871	62,875	61,496	62,928	62,911
Birth Rate	12.7	11.5	11.0	10.9	10.6	10.8	11.0
General Fertility Rate	62.3	55.9	53.7	52.9	51.7	52.6	53.3
Age of Mother 10-17							
Number	1,426	723	656	663	574	556	634
Percent of Total Births	2.2	1.1	1.0	1.1	0.9	0.9	1.0
Fertility Rate	5.4	2.5	2.3	2.3	2.0	1.9	2.2
Low Weight Births (<2,500 Grams)							
Number	5,659	5,860	5,917	5,927	5,679	5,956	5,868
Percent	8.7	9.1	9.4	9.4	9.2	9.5	9.3
Prenatal Care Later Than 1st Trimester/No Care							
Number	13,071	11,180	10,427	10,234	10,865	9,869	10,515
Percent	20.6	18.1	17.5	17.2	18.3	16.2	17.5
Births to Unmarried Women							
Number	15,616	14,631	14,656	14,836	14,374	14,422	14,584
Percent	24.0	22.7	23.3	23.6	23.4	22.9	23.2
Mother's Education <12 Years							
Number	10,540	7,364	6,756	6,650	6,313	5,943	6,605
Percent	16.4	11.6	10.9	10.7	10.4	9.5	10.6
Infant Deaths							
Number	362	290	296	306	294	317	301
Rate	5.6	4.5	4.7	4.9	4.8	5.0	4.8
Neonatal Deaths							
Number	257	195	206	194	200	217	202
Rate	4.0	3.0	3.3	3.1	3.3	3.4	3.2
Total Deaths							
Number	32,566	37,996	38,451	39,318	46,846	48,284	42,179
Crude Rate	635.5	676.6	675.0	682.1	809.9	830.4	735.5
Age-Adjusted Rate	679.3	654.2	641.0	635.9	785.4	784.8	699.8
Cardiovascular Disease							
Number	8,493	9,662	10,047	10,480	10,999	10,956	10,429
Age-Adjusted Rate	180.1	166.7	167.7	169.8	186.5	180.5	174.0
Heart Disease							
Number	6,207	7,035	7,336	7,748	7,994	8,069	7,636
Age-Adjusted Rate	130.8	120.5	121.6	124.9	134.4	132.2	126.6
Cerebrovascular Disease							
(Continued)							

(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.

Vital statistics summary: Colorado residents, 2011, 2017-2021

	2011	2017	2018	2019	2020	2021	2017-2021 Annual Average
Number	1,607	1,980	1,992	1,982	2,188	2,044	2,037
Age-Adjusted Rate	34.7	35.1	34.0	32.8	38.2	34.7	34.9
Malignant Neoplasms							
Number	7,037	7,812	7,804	7,970	8,241	8,065	7,978
Age-Adjusted Rate	143.7	129.5	126.0	123.9	130.4	123.7	126.5
Lung Cancer							
Number	1,588	1,493	1,406	1,475	1,474	1,320	1,434
Age-Adjusted Rate	32.7	24.6	22.7	22.9	22.9	19.9	22.5
Breast Cancer							
Number	553	638	600	612	662	662	635
Age-Adjusted Rate	10.8	10.6	9.7	9.5	10.6	10.2	10.1
Total Unintentional Injuries							
Number	2,317	3,029	3,006	3,075	3,628	4,197	3,387
Age-Adjusted Rate	46.2	53.1	51.2	51.3	61.9	70.8	57.7
Motor Vehicle							
Number	482	672	659	640	672	747	678
Age-Adjusted Rate	9.3	11.6	11.2	10.6	11.3	12.4	11.4
Other Unintentional Injuries							
Number	1,835	2,357	2,347	2,435	2,956	3,450	2,709
Age-Adjusted Rate	36.9	41.4	39.9	40.7	50.6	58.5	46.2
Chronic Lower Respiratory Diseases							
Number	2,161	2,598	2,630	2,513	2,488	2,302	2,506
Age-Adjusted Rate	46.7	44.9	43.2	40.0	40.9	36.5	41.0
COVID-19							
Number	0	0	0	0	4,303	5,298	1,920
Age-Adjusted Rate	0.0	0.0	0.0	0.0	72.8	82.5	31.4
Suicide							
Number	910	1,175	1,271	1,306	1,294	1,370	1,283
Age-Adjusted Rate	17.4	20.2	21.6	21.9	21.6	22.6	21.6
Homicide and Legal Intervention							
Number	202	279	288	273	364	397	320
Age-Adjusted Rate	3.9	4.9	5.1	4.7	6.4	6.8	5.6
Work-Related Injury							
Number	72	72	75	86	76	95	81
Age-Adjusted Rate	1.3	1.2	1.3	1.4	1.3	1.5	1.3

* 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.

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.

Deaths, crude death rates and age-adjusted death rates with 95% confidence limits from selected causes: Colorado residents, 2021

Cause of Death	N	Crude Rate	Age-Adjusted Rate	Lower Limit	Upper Limit
All Causes	48,283	830.4	784.8	777.9	791.7
Cardiovascular Disease	10,956	188.4	180.5	177.1	183.9
Heart Disease	8,069	138.8	132.2	129.3	135.1
Cerebrovascular Disease	2,044	35.2	34.7	33.2	36.2
Atherosclerosis	58	1.0	0.9	0.7	1.2
Malignant Neoplasms	8,065	138.7	123.7	121.0	126.5
Lung Cancer	1,320	22.7	19.9	18.8	21.0
Breast Cancer	662	11.4	10.2	9.4	11.0
Chronic Lower Respiratory Diseases	2,302	39.6	36.5	34.9	38.0
Unintentional Injuries	4,197	72.2	70.8	68.7	73.0
Motor Vehicle	747	12.8	12.4	11.5	13.3
Other Unintentional Injuries	3,421	58.8	58.0	56.0	59.9
Pneumonia and Influenza	287	4.9	4.7	4.1	5.2
COVID-19	5,298	91.1	82.5	80.2	84.8
Suicide	1,370	23.6	22.6	21.4	23.8
Diabetes Mellitus	1,205	20.7	18.6	17.5	19.7
HIV Infection	44	0.8	0.7	0.5	0.9
Chronic Liver Disease and Cirrhosis	1,233	21.2	19.0	17.9	20.1
Alzheimer's Disease	1,780	30.6	32.0	30.5	33.5
Nephritis, Nephrosis, Nephrotic Syndrome	542	9.3	8.9	8.1	9.7
Homicide and Legal Intervention	397	6.8	6.8	6.2	7.5
Septicemia	477	8.2	7.5	6.8	8.2
Congenital Anomalies	159	2.7	3.0	2.5	3.4
Perinatal Period Conditions	166	2.9	3.7	3.1	4.2
All Other	15,103	259.7	245.8	241.9	249.8
Injury by Firearm	1,059	18.2	17.7	16.6	18.8
Drug-Induced Deaths	1,943	33.4	32.6	31.2	34.1
Alcohol-Induced Deaths	1,653	28.4	25.8	24.6	27.1
Work-Related Injury (Y/N Check Death Certificate)	95	1.6	1.5	1.2	1.8

* 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.

Deaths and age-specific death rates from selected causes: Colorado residents, 2021

	•	<1	1	-14	15	-24	25	-44	45	-64	65	5+
Cause of Death	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
All Causes	317	5.0	160	0.2	742	0.9	3,735	2.2	9,468	6.6	33,861	37.5
Cardiovascular Disease	6	0.1	13	0.0	13	0.0	262	0.2	1,642	1.1	9,020	10.0
Heart Disease	3	0.0	8	0.0	12	0.0	195	0.1	1,295	0.9	6,556	7.3
Cerebrovascular Disease	*	*	3	0.0	0	0.0	32	0.0	221	0.2	1,786	2.0
Atherosclerosis	0	0.0	0	0.0	0	0.0	*	*	9	0.0	48	0.1
Malignant Neoplasms	0	0.0	14	0.0	21	0.0	213	0.1	1,776	1.2	6,041	6.7
Lung Cancer	0	0.0	0	0.0	0	0.0	9	0.0	252	0.2	1,059	1.2
Breast Cancer	0	0.0	0	0.0	0	0.0	35	0.0	179	0.1	448	0.5
Chronic Lower Respiratory Diseases	0	0.0	0	0.0	3	0.0	20	0.0	297	0.2	1,982	2.2
Unintentional Injuries	24	0.4	41	0.0	324	0.4	1,320	0.8	1,024	0.7	1,464	1.6
Motor Vehicle	*	*	17	0.0	123	0.2	261	0.2	203	0.1	142	0.2
Other Unintentional Injuries	23	0.4	24	0.0	201	0.3	1,059	0.6	821	0.6	1,322	1.5
Pneumonia and Influenza	*	*	3	0.0	0	0.0	15	0.0	54	0.0	214	0.2
COVID-19	0	0.0	*	*	27	0.0	246	0.1	1,432	1.0	3,592	4.0
Suicide	0	0.0	19	0.0	182	0.2	513	0.3	411	0.3	245	0.3
Diabetes Mellitus	0	0.0	*	*	6	0.0	62	0.0	301	0.2	835	0.9
HIV Infection	0	0.0	0	0.0	*	*	5	0.0	29	0.0	9	0.0
Chronic Liver Disease and Cirrhosis	0	0.0	*	*	3	0.0	271	0.2	623	0.4	335	0.4
Alzheimer's Disease	0	0.0	0	0.0	0	0.0	0	0.0	21	0.0	1,759	1.9
Nephritis, Nephrosis, Nephrotic Syndrome	*	*	0	0.0	*	*	15	0.0	79	0.1	446	0.5
Homicide and Legal Intervention	7	0.1	13	0.0	94	0.1	163	0.1	87	0.1	33	0.0
Septicemia	3	0.0	*	*	*	*	16	0.0	102	0.1	354	0.4
Congenital Anomalies	65	1.0	7	0.0	9	0.0	17	0.0	27	0.0	34	0.0
Perinatal Period Conditions	165	2.6	0	0.0	0	0.0	*	*	0	0.0	0	0.0
All Other	45	0.7	47	0.0	84	0.1	842	0.5	2,995	2.1	11,090	12.3
Injury by Firearm	*	*	16	0.0	183	0.2	404	0.2	275	0.2	180	0.2
Drug-Induced Deaths	*	*	7	0.0	192	0.2	943	0.6	648	0.5	152	0.2
Alcohol-Induced Deaths	0	0.0	0	0.0	5	0.0	437	0.3	876	0.6	335	0.4
Work-Related Injury (Y/N Check Death Certificate)	0	0.0	0	0.0	11	0.0	31	0.0	37	0.0	16	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.

Deaths from selected causes by race/ethnicity: Colorado residents, 2021

Cause of Death	All Ra	ices		White n-HispanicWhite HispanicAmerican BlackAmerican/Pacific IslanderAmerican Indian/Native Alaskan								
	N	%	N	%	N	%	N	%	N	%	N	%
Total	48,284	100.0	36,248	100.0	6,383	100.0	2,163	100.0	889	100.0	602	100.0
Cardiovascular Disease	10,956	22.7	8,719	24.1	1,041	16.3	486	22.5	209	23.5	103	17.1
Heart Disease	8,069	16.7	6,469	17.8	752	11.8	348	16.1	133	15.0	78	13.0
Cerebrovascular Disease	2,044	4.2	1,622	4.5	194	3.0	74	3.4	61	6.9	16	2.7
Atherosclerosis	58	0.1	43	0.1	7	0.1	3	0.1	*	*	*	*
Malignant Neoplasms	8,065	16.7	6,367	17.6	877	13.7	315	14.6	163	18.3	75	12.5
Lung Cancer	1,320	2.7	1,082	3.0	113	1.8	50	2.3	26	2.9	10	1.7
Breast Cancer	662	1.4	518	1.4	69	1.1	31	1.4	11	1.2	8	1.3
Chronic Lower Respiratory Disease	2,302	4.8	1,957	5.4	168	2.6	63	2.9	25	2.8	17	2.8
Unintentional Injuries	4,197	8.7	2,793	7.7	769	12.0	236	10.9	64	7.2	76	12.6
Motor Vehicle	747	1.5	413	1.1	176	2.8	54	2.5	14	1.6	13	2.2
Other Unintentional Injuries	3,450	7.1	2,380	6.6	593	9.3	182	8.4	50	5.6	63	10.5
Pneumonia and Influenza	287	0.6	217	0.6	29	0.5	13	0.6	3	0.3	4	0.7
COVID-19	5,298	11.0	3,433	9.5	1,164	18.2	215	9.9	121	13.6	97	16.1
Suicide	1,370	2.8	1,012	2.8	177	2.8	65	3.0	26	2.9	17	2.8
Diabetes Mellitus	1,205	2.5	785	2.2	215	3.4	91	4.2	34	3.8	24	4.0
HIV Infection	44	0.1	18	0.0	13	0.2	7	0.3	*	*	*	*
Chronic Liver Disease and Cirrhosis	1,233	2.6	767	2.1	278	4.4	61	2.8	18	2.0	51	8.5
Alzheimer's Disease	1,780	3.7	1,503	4.1	142	2.2	45	2.1	24	2.7	10	1.7
Nephritis, Nephrosis, Nephrotic Syndrome	542	1.1	382	1.1	89	1.4	37	1.7	7	0.8	5	0.8
Homicide and Legal Intervention	397	0.8	154	0.4	134	2.1	75	3.5	5	0.6	8	1.3
Septicemia	477	1.0	355	1.0	63	1.0	22	1.0	9	1.0	4	0.7
Congenital Anomalies	159	0.3	93	0.3	43	0.7	11	0.5	4	0.4	3	0.5
Perinatal Period Conditions	166	0.3	72	0.2	42	0.7	23	1.1	8	0.9	0	0.0
All Other	9,806	20.3	7,621	21.0	1,139	17.8	398	18.4	168	18.9	107	17.8
Injury by Firearm	1,059	2.2	698	1.9	195	3.1	96	4.4	9	1.0	12	2.0
Drug-Induced Deaths	1,943	4.0	1,190	3.3	432	6.8	137	6.3	21	2.4	51	8.5
Alcohol-Induced Deaths	1,653	3.4	1,081	3.0	327	5.1	94	4.3	21	2.4	55	9.1
Work-Related Injury (Y/N Check Death Certificate)	95	0.2	53	0.1	26	0.4	4	0.2	0	0.0	*	*

* indicates one or two events in the category. Percentages are of total deaths of each race/ethnicity category.

Deaths from selected causes by area-based poverty status of decedent's residence: Colorado residents, 2021

	<10	%	10-19	.9%	20-29	9.9%	309	%+	Unkn	nown
Cause of Death	N	%	N	%	N	%	N	%	N	%
Total	26,027	100.0	14,656	100.0	4,435	100.0	1,342	100.0	1,824	100.0
Cardiovascular Disease	6,054	23.3	3,333	22.7	932	21.0	303	22.6	334	18.3
Heart Disease	4,418	17.0	2,503	17.1	666	15.0	216	16.1	266	14.6
Cerebrovascular Disease	1,190	4.6	571	3.9	175	3.9	56	4.2	52	2.9
Atherosclerosis	28	0.1	21	0.1	6	0.1	*	*	*	*
Malignant Neoplasms	4,718	18.1	2,271	15.5	688	15.5	170	12.7	218	12.0
Lung Cancer	736	2.8	370	2.5	142	3.2	38	2.8	34	1.9
Breast Cancer	412	1.6	184	1.3	38	0.9	10	0.7	18	1.0
Chronic Lower Respiratory Disease	1,136	4.4	791	5.4	229	5.2	73	5.4	73	4.0
Unintentional Injuries	2,018	7.8	1,313	9.0	423	9.5	136	10.1	307	16.8
Motor Vehicle	369	1.4	244	1.7	71	1.6	13	1.0	50	2.7
Other Unintentional Injuries	1,649	6.3	1,069	7.3	352	7.9	123	9.2	257	14.1
Pneumonia and Influenza	134	0.5	104	0.7	31	0.7	9	0.7	9	0.5
COVID-19	2,667	10.2	1,730	11.8	547	12.3	157	11.7	197	10.8
Suicide	753	2.9	378	2.6	118	2.7	41	3.1	80	4.4
Diabetes Mellitus	563	2.2	399	2.7	151	3.4	51	3.8	41	2.2
HIV Infection	11	0.0	25	0.2	*	*	3	0.2	3	0.2
Chronic Liver Disease and Cirrhosis	607	2.3	391	2.7	135	3.0	35	2.6	65	3.6
Alzheimer's Disease	1,085	4.2	502	3.4	108	2.4	41	3.1	44	2.4
Nephritis, Nephrosis, Nephrotic Syndrome	273	1.0	175	1.2	61	1.4	18	1.3	15	0.8
Homicide and Legal Intervention	156	0.6	140	1.0	57	1.3	16	1.2	28	1.5
Septicemia	253	1.0	144	1.0	41	0.9	9	0.7	30	1.6
Congenital Anomalies	88	0.3	48	0.3	14	0.3	5	0.4	4	0.2
Perinatal Period Conditions	76	0.3	61	0.4	17	0.4	6	0.4	6	0.3
All Other	8,102	31.1	4,581	31.3	1,428	32.2	426	31.7	567	31.1
Injury by Firearm	557	2.1	324	2.2	97	2.2	32	2.4	49	2.7
Drug-Induced Deaths	822	3.2	617	4.2	238	5.4	82	6.1	184	10.1
Alcohol-Induced Deaths	801	3.1	487	3.3	196	4.4	61	4.5	108	5.9
Work-Related Injury (Y/N Check Death Certificate)	47	0.2	36	0.2	10	0.2	*	*	*	*

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 2020 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 2020 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.

Deaths and age-specific death rates: Colorado residents, 2021

Age Group	Deaths	Population	Age-Specific Death Rate
All Ages	48,284	5,814,688	8.3
Infant	317	62,928	5.0
Neonatal	217	62,928	3.4
1-4	50	255,271	0.2
5-9	32	340,131	0.1
10-14	78	360,831	0.2
15-19	271	385,587	0.7
20-24	471	403,840	1.2
25-29	649	436,123	1.5
30-34	923	427,380	2.2
35-39	1,025	418,608	2.4
40-44	1,138	385,705	3.0
45-49	1,326	362,888	3.7
50-54	1,809	362,856	5.0
55-59	2,575	356,280	7.2
60-64	3,758	353,546	10.6
65-69	4,472	308,861	14.5
70-74	5,278	261,413	20.2
75-79	5,421	161,896	33.5
80-84	5,762	88,982	64.8
85+	12,928	82,139	157.4
1-14	160	956,233	0.2
15-24	742	789,426	0.9
25-64	13,203	3,103,386	4.3
65+	33,861	903,291	37.5

* 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.

Notes Regarding Colorado's Revised Certificate of Live Birth

Previously-released state and county birth and death summary 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 Prevention⁴. *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 Vital Statistics Program 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 Section at (303) 692-2160 or by e-mail at cdphe.healthstatistics@state.co.us.

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- 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 is increasingly important^{1,2,3}.

These summary tables now contain counts and proportions of births and deaths by area-based poverty status of residence. *Area-based poverty status represents the percentage of the population in the census tract of one's residence living at or below the federal poverty level*. 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 residence addresses to their respective census tracts as defined by the 2020 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 1,447 unique census tracts, which are 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 tracts⁴.

Area-based poverty status is measured by calculating the percent of the population living in each census tract that are 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 composition⁵.

The Vital Statistics Program 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 Section at (303) 692-2160 or by e-mail at cdphe.healthstatistics@state.co.us.

References:

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