Colorado Births and Deaths 2020

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, 2020

Characteristic	Number	Percent
Total Live Births	61,496	100.0
Age of Mother		
10-17	574	0.9
18-19	1,659	2.7
20-29	26,466	43.0
30+	32,781	53.3
Low Weight Births (<2,500 Grams)	5,679	9.3
Very Low Weight Births (<1,500 Grams)	687	1.1
Prenatal Care Later than 1st Trimester/No Care	10,865	18.3
No Prenatal Care	1,029	1.7
Preterm Births (<37 Weeks)	5,617	9.1
Education of Mother <High School Diploma/GED	6,313	10.4
Live Births to Unmarried Women	14,374	23.4
Smoking During Pregnancy	2,909	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.

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

Selected birth characteristics by age group of mother: Colorado residents, 2020

Characteristic	All Ages		10-17		18-19		20-29		30+	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total Live Births	61,496	100.0	574	100.0	1,659	100.0	26,466	100.0	32,781	100.0
Race/Ethnicity of Mother										
White, Non-Hispanic	35,555	59.3	136	24.5	474	30.0	13,070	50.8	21,871	68.1
White, Hispanic	14,549	24.3	303	54.7	765	48.5	7,986	31.1	5,493	17.1
Black	4,129	6.9	46	8.3	163	10.3	2,184	8.5	1,735	5.4
Asian American/Pacific Islander	3,107	5.2	11	2.0	36	2.3	1,053	4.1	2,007	6.3
American Indian/Native Alaskan	736	1.2	14	2.5	42	2.7	396	1.5	284	0.9
Other	1,873	3.1	44	7.9	98	6.2	1,016	4.0	715	2.2
Unknown	1,547		20		81		761		676	
Low Weight Births (<2,500 Grams)	5,679	9.3	69	12.1	173	10.5	2,379	9.0	3,056	9.4
Very Low Weight Births (<1,500 Grams)	687	1.1	13	2.3	29	1.8	259	1.0	386	1.2
Prenatal Care Later than 1st Trimester/No Care	10,865	18.3	232	42.7	514	32.4	5,486	21.5	4,632	14.6
No Prenatal Care	1,029	1.7	37	6.8	50	3.2	517	2.0	425	1.3
Preterm Births (<37 Weeks)	5,617	9.1	63	11.0	152	9.2	2,252	8.5	3,147	9.6
Education of Mother <High School Diploma/GED	6,313	10.4	498	87.5	604	36.9	3,032	11.6	2,179	6.7
Live Births to Unmarried Women	14,374	23.4	546	95.1	1,216	73.3	8,495	32.1	4,113	12.5
Smoking During Pregnancy	2,909	4.7	31	5.4	82	5.0	1,592	6.0	1,204	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.
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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.

Selected birth characteristics by race/ethnicity of mother: Colorado residents, 2020

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	35,555	100.0	14,549	100.0	4,129	100.0	3,107	100.0	736	100.0
Age of Mother										
10-17	136	0.4	303	2.1	46	1.1	11	0.4	14	1.9
18-19	474	1.3	765	5.3	163	3.9	36	1.2	42	5.7
20-29	13,070	36.8	7,986	54.9	2,184	52.9	1,053	33.9	396	53.8
30+	21,871	61.5	5,493	37.8	1,735	42.0	2,007	64.6	284	38.6
Low Weight Births (<2,500 Grams)	3,015	8.5	1,321	9.1	594	14.5	365	11.8	69	9.5
Very Low Weight Births (<1,500 Grams)	328	0.9	161	1.1	91	2.2	46	1.5	6	0.8
Prenatal Care Later than 1st Trimester/No Care	4,992	14.5	3,327	23.7	1,072	26.9	529	17.6	190	27.9
No Prenatal Care	390	1.1	432	3.1	86	2.2	51	1.7	15	2.2
Preterm Births (<37 Weeks)	3,004	8.5	1,365	9.4	519	12.6	320	10.3	83	11.3
Education of Mother <High School Diploma/GED	1,434	4.0	3,315	23.0	482	11.8	273	8.9	114	15.6
Live Births to Unmarried Women	5,740	16.1	4,937	33.9	1,761	42.6	368	11.8	341	46.3
Smoking During Pregnancy	1,866	5.3	529	3.6	250	6.1	58	1.9	70	9.5

"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: Colorado residents, 2020

Characteristic	<10%		10-19.9%		20-29.9%		30%+		Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total Live Births	35,061	100.0	17,558	100.0	6,371	100.0	1,524	100.0	982	100.0
Race/Ethnicity of Mother										
White, Non-Hispanic	23,262	67.7	8,732	51.2	2,512	40.7	525	37.6	524	55.3
White, Hispanic	6,081	17.7	5,329	31.2	2,312	37.4	576	41.3	251	26.5
Black	1,844	5.4	1,460	8.6	659	10.7	110	7.9	56	5.9
Asian American/Pacific Islander	2,108	6.1	636	3.7	252	4.1	74	5.3	37	3.9
American Indian/Native Alaskan	314	0.9	269	1.6	106	1.7	29	2.1	18	1.9
Other	765	2.2	630	3.7	336	5.4	81	5.8	61	6.4
Unknown	687		502		194		129		35	
Low Weight Births (<2,500 Grams)	3,052	8.7	1,699	9.7	657	10.4	172	11.3	99	10.2
Very Low Weight Births (<1,500 Grams)	366	1.0	198	1.1	91	1.4	19	1.3	13	1.3
Prenatal Care Later than 1st Trimester/No Care	5,129	15.1	3,641	21.7	1,508	24.6	346	23.3	241	26.1
No Prenatal Care	372	1.1	388	2.3	179	2.9	52	3.5	38	4.1
Preterm Births (<37 Weeks)	3,031	8.6	1,702	9.7	641	10.1	153	10.1	90	9.2
Education of Mother <High School Diploma/GED	2,009	5.8	2,530	14.6	1,289	20.5	331	22.1	154	16.0
Live Births to Unmarried Women	6,142	17.5	5,006	28.5	2,273	35.7	657	43.1	296	30.1
Smoking During Pregnancy	1,134	3.2	1,069	6.1	467	7.3	166	10.9	73	7.4

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 2019 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: Colorado residents, 2020

Age Group	Births	Population	Fertility Rate	Lower Limit	Upper Limit
All Ages	61,496	1,202,154	51.2	50.8	51.5
Teen Age Groups					
13-14	15	73,423	0.2	0.1	0.3
15-17	559	109,877	5.1	4.7	5.5
18-19	1,659	76,485	21.7	20.7	22.7
10-17	574	288,063	2.0	1.8	2.2
10-19	2,233	364,548	6.1	5.9	6.4
All Age Groups					
10-14	15	178,186	0.1	0.0	0.1
15-19	2,218	186,362	11.9	11.4	12.4
20-24	10,001	190,033	52.6	51.6	53.6
25-29	16,465	213,432	77.1	76.0	78.3
30-34	19,621	216,727	90.5	89.3	91.7
35-39	10,808	205,729	52.5	51.6	53.5
40-49	2,337	371,751	6.3	6.0	6.5

* 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: Colorado residents, 2010, 2016-2020

	2010	2016	2017	2018	2019	2020	2016-2020 Annual Average
Total Population	5,050,321	5,542,175	5,615,697	5,696,856	5,763,936	5,813,161	5,686,365
Total Births							
Number	66,346	66,611	64,387	62,871	62,875	61,496	63,648
Birth Rate	13.1	12.0	11.5	11.0	10.9	10.6	11.2
General Fertility Rate	64.5	58.8	55.9	53.7	52.9	51.2	54.4
Age of Mother 10-17							
Number	1,745	846	723	656	663	574	692
Percent of Total Births	2.6	1.3	1.1	1.0	1.1	0.9	1.1
Fertility Rate	6.7	3.0	2.5	2.3	2.3	2.0	2.4
Low Weight Births (<2,500 Grams)							
Number	5,816	5,972	5,860	5,917	5,927	5,679	5,871
Percent	8.8	9.0	9.1	9.4	9.4	9.2	9.2
Prenatal Care Later Than 1st Trimester/No Care							
Number	13,657	11,892	11,180	10,427	10,234	10,865	10,920
Percent	21.0	18.6	18.1	17.5	17.2	18.3	18.0
Births to Unmarried Women							
Number	16,022	15,153	14,631	14,656	14,836	14,374	14,730
Percent	24.1	22.7	22.7	23.3	23.6	23.4	23.1
Mother's Education <12 Years							
Number	12,119	7,727	7,364	6,756	6,650	6,313	6,962
Percent	18.5	11.7	11.6	10.9	10.7	10.4	11.1
Infant Deaths							
Number	392	321	290	296	306	294	301
Rate	5.9	4.8	4.5	4.7	4.9	4.8	4.7
Neonatal Deaths							
Number	287	217	195	206	194	200	202
Rate	4.3	3.3	3.0	3.3	3.1	3.3	3.2
Total Deaths							
Number	31,435	37,488	37,996	38,451	39,318	46,846	40,020
Crude Rate	622.4	676.4	676.6	675.0	682.1	805.9	703.8
Age-Adjusted Rate	676.8	666.3	654.2	641.0	635.9	738.7	667.8
Cardiovascular Disease							
Number	8,283	9,813	9,662	10,047	10,480	10,999	10,200
Age-Adjusted Rate	181.7	175.1	166.7	167.7	169.8	172.4	170.3
Heart Disease							
Number	6,029	7,243	7,035	7,336	7,748	7,994	7,471
Age-Adjusted Rate	131.5	128.6	120.5	121.6	124.9	124.7	124.0
Cerebrovascular Disease							

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

Vital statistics summary: Colorado residents, 2010, 2016-2020

	2010	2016	2017	2018	2019	2020	2016-2020 Annual Average
Number	1,605	1,925	1,980	1,992	1,982	2,188	2,013
Age-Adjusted Rate	35.7	35.0	35.1	34.0	32.8	34.9	34.3
Malignant Neoplasms							
Number	7,029	7,926	7,812	7,804	7,970	8,241	7,951
Age-Adjusted Rate	148.2	136.9	129.5	126.0	123.9	125.1	128.1
Lung Cancer							
Number	1,635	1,590	1,493	1,406	1,475	1,474	1,488
Age-Adjusted Rate	34.9	27.5	24.6	22.7	22.9	22.1	23.9
Breast Cancer							
Number	534	618	638	600	612	662	626
Age-Adjusted Rate	11.0	10.6	10.6	9.7	9.5	10.2	10.1
Total Unintentional Injuries							
Number	2,102	2,838	3,029	3,006	3,075	3,628	3,115
Age-Adjusted Rate	43.1	50.3	53.1	51.2	51.3	59.7	53.1
Motor Vehicle							
Number	480	627	672	659	640	672	654
Age-Adjusted Rate	9.4	10.9	11.6	11.2	10.6	11.1	11.1
Other Unintentional Injuries							
Number	1,622	2,211	2,357	2,347	2,435	2,956	2,461
Age-Adjusted Rate	33.7	39.4	41.4	39.9	40.7	48.6	42.0
Chronic Lower Respiratory Diseases							
Number	2,199	2,573	2,598	2,630	2,513	2,488	2,560
Age-Adjusted Rate	49.3	46.2	44.9	43.2	40.0	38.5	42.4
COVID-19							
Number	0	0	0	0	0	4,303	861
Age-Adjusted Rate	0.0	0.0	0.0	0.0	0.0	67.8	14.5
Suicide							
Number	867	1,156	1,175	1,271	1,306	1,294	1,240
Age-Adjusted Rate	16.7	20.2	20.2	21.6	21.9	21.4	21.1
Homicide and Legal Intervention							
Number	190	251	279	288	273	364	291
Age-Adjusted Rate	3.7	4.6	4.9	5.1	4.7	6.3	5.1
Work-Related Injury							
Number	75	74	72	75	86	76	77
Age-Adjusted Rate	1.4	1.3	1.2	1.3	1.4	1.3	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.
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:
Colorado residents, 2020

Cause of Death	N	Crude Rate	Age-Adjusted Rate	Lower Limit	Upper Limit
All Causes	46,846	805.8	738.7	732.2	745.3
Cardiovascular Disease	10,999	189.2	172.4	169.2	175.7
Heart Disease	7,994	137.5	124.7	122.0	127.5
Cerebrovascular Disease	2,188	37.6	34.9	33.4	36.3
Atherosclerosis	76	1.3	1.2	0.9	1.5
Malignant Neoplasms	8,241	141.8	125.1	122.4	127.9
Lung Cancer	1,474	25.4	22.1	20.9	23.2
Breast Cancer	662	11.4	10.2	9.4	11.0
Chronic Lower Respiratory Diseases	2,487	42.8	38.5	37.0	40.0
Unintentional Injuries	3,628	62.4	59.7	57.7	61.7
Motor Vehicle	672	11.6	11.1	10.3	12.0
Other Unintentional Injuries	2,920	50.2	48.0	46.2	49.8
Pneumonia and Influenza	448	7.7	7.1	6.5	7.8
COVID-19	4,303	74.0	67.8	65.8	69.9
Suicide	1,294	22.3	21.4	20.2	22.5
Diabetes Mellitus	1,167	20.1	17.8	16.7	18.8
HIV Infection	44	0.8	0.7	0.5	0.9
Chronic Liver Disease and Cirrhosis	1,141	19.6	17.7	16.6	18.7
Alzheimer's Disease	2,164	37.2	35.6	34.1	37.1
Nephritis, Nephrosis, Nephrotic Syndrome	480	8.3	7.5	6.8	8.2
Homicide and Legal Intervention	364	6.3	6.3	5.7	7.0
Septicemia	439	7.6	6.7	6.1	7.4
Congenital Anomalies	159	2.7	2.9	2.5	3.4
Perinatal Period Conditions	167	2.9	3.6	3.1	4.2
All Other	13,623	234.3	215.6	212.0	219.2
Injury by Firearm	918	15.8	15.3	14.3	16.3
Drug-Induced Deaths	1,521	26.2	25.5	24.2	26.8
Alcohol-Induced Deaths	1,543	26.5	24.0	22.8	25.2
Work-Related Injury (Y/N Check Death Certificate)	76	1.3	1.3	1.0	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: Colorado residents, 2020

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	294	4.8	126	0.1	721	0.9	3,092	1.8	8,584	6.0	34,026	38.8
Cardiovascular Disease	6	0.1	3	0.0	24	0.0	241	0.1	1,743	1.2	8,982	10.2
Heart Disease	5	0.1	*	*	18	0.0	197	0.1	1,370	1.0	6,402	7.3
Cerebrovascular Disease	*	*	*	*	3	0.0	24	0.0	245	0.2	1,914	2.2
Atherosclerosis	0	0.0	0	0.0	0	0.0	0	0.0	5	0.0	71	0.1
Malignant Neoplasms	0	0.0	14	0.0	12	0.0	213	0.1	1,852	1.3	6,149	7.0
Lung Cancer	0	0.0	0	0.0	0	0.0	15	0.0	318	0.2	1,141	1.3
Breast Cancer	0	0.0	0	0.0	0	0.0	30	0.0	177	0.1	454	0.5
Chronic Lower Respiratory Diseases	0	0.0	0	0.0	6	0.0	23	0.0	325	0.2	2,133	2.4
Unintentional Injuries	19	0.3	34	0.0	321	0.4	1,025	0.6	918	0.6	1,311	1.5
Motor Vehicle	0	0.0	19	0.0	133	0.2	227	0.1	186	0.1	107	0.1
Other Unintentional Injuries	19	0.3	15	0.0	188	0.2	798	0.5	732	0.5	1,204	1.4
Pneumonia and Influenza	0	0.0	3	0.0	5	0.0	30	0.0	88	0.1	322	0.4
COVID-19	0	0.0	0	0.0	9	0.0	75	0.0	594	0.4	3,625	4.1
Suicide	0	0.0	19	0.0	195	0.2	478	0.3	374	0.3	228	0.3
Diabetes Mellitus	0	0.0	0	0.0	5	0.0	60	0.0	293	0.2	809	0.9
HIV Infection	0	0.0	0	0.0	*	*	12	0.0	20	0.0	11	0.0
Chronic Liver Disease and Cirrhosis	0	0.0	0	0.0	*	*	237	0.1	581	0.4	321	0.4
Alzheimer's Disease	0	0.0	0	0.0	0	0.0	0	0.0	17	0.0	2,147	2.4
Nephritis, Nephrosis, Nephrotic Syndrome	*	*	0	0.0	0	0.0	12	0.0	64	0.0	403	0.5
Homicide and Legal Intervention	*	*	11	0.0	76	0.1	178	0.1	78	0.1	20	0.0
Septicemia	0	0.0	*	*	0	0.0	17	0.0	98	0.1	323	0.4
Congenital Anomalies	59	1.0	11	0.0	8	0.0	15	0.0	40	0.0	26	0.0
Perinatal Period Conditions	165	2.7	0	0.0	0	0.0	0	0.0	0	0.0	*	*
All Other	43	0.7	30	0.0	66	0.1	551	0.3	2,093	1.5	10,840	12.4
Injury by Firearm	0	0.0	17	0.0	164	0.2	351	0.2	221	0.2	165	0.2
Drug-Induced Deaths	0	0.0	3	0.0	170	0.2	739	0.4	510	0.4	99	0.1
Alcohol-Induced Deaths	0	0.0	0	0.0	5	0.0	376	0.2	846	0.6	316	0.4
Work-Related Injury (Y/N Check Death Certificate)	0	0.0	0	0.0	4	0.0	28	0.0	30	0.0	14	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: Vital Statistics Program, Colorado Department of Public Health and Environment.

Deaths from selected causes by race/ethnicity: Colorado residents, 2020

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	46,846	100.0	35,537	100.0	6,091	100.0	2,156	100.0	948	100.0	496	100.0
Cardiovascular Disease	10,999	23.5	8,692	24.5	1,114	18.3	525	24.4	221	23.3	91	18.3
Heart Disease	7,994	17.1	6,392	18.0	772	12.7	383	17.8	118	12.4	70	14.1
Cerebrovascular Disease	2,188	4.7	1,671	4.7	258	4.2	96	4.5	87	9.2	13	2.6
Atherosclerosis	76	0.2	57	0.2	9	0.1	5	0.2	3	0.3	0	0.0
Malignant Neoplasms	8,241	17.6	6,663	18.7	836	13.7	308	14.3	142	15.0	56	11.3
Lung Cancer	1,474	3.1	1,262	3.6	99	1.6	36	1.7	33	3.5	13	2.6
Breast Cancer	662	1.4	546	1.5	56	0.9	24	1.1	9	0.9	*	*
Chronic Lower Respiratory Disease	2,488	5.3	2,136	6.0	168	2.8	77	3.6	23	2.4	21	4.2
Unintentional Injuries	3,628	7.7	2,460	6.9	636	10.4	212	9.8	67	7.1	61	12.3
Motor Vehicle	672	1.4	376	1.1	153	2.5	48	2.2	13	1.4	12	2.4
Other Unintentional Injuries	2,956	6.3	2,084	5.9	483	7.9	164	7.6	54	5.7	49	9.9
Pneumonia and Influenza	448	1.0	347	1.0	50	0.8	20	0.9	10	1.1	6	1.2
COVID-19	4,303	9.2	2,676	7.5	1,032	16.9	205	9.5	162	17.1	51	10.3
Suicide	1,294	2.8	940	2.6	212	3.5	47	2.2	28	3.0	25	5.0
Diabetes Mellitus	1,167	2.5	719	2.0	240	3.9	105	4.9	44	4.6	14	2.8
HIV Infection	44	0.1	20	0.1	7	0.1	11	0.5	*	*	*	*
Chronic Liver Disease and Cirrhosis	1,141	2.4	729	2.1	289	4.7	31	1.4	12	1.3	35	7.1
Alzheimer's Disease	2,164	4.6	1,834	5.2	165	2.7	70	3.2	33	3.5	8	1.6
Nephritis, Nephrosis, Nephrotic Syndrome	480	1.0	360	1.0	66	1.1	24	1.1	11	1.2	5	1.0
Homicide and Legal Intervention	364	0.8	141	0.4	101	1.7	82	3.8	3	0.3	16	3.2
Septicemia	439	0.9	352	1.0	51	0.8	14	0.6	6	0.6	8	1.6
Congenital Anomalies	159	0.3	103	0.3	31	0.5	11	0.5	5	0.5	*	*
Perinatal Period Conditions	167	0.4	61	0.2	46	0.8	32	1.5	7	0.7	0	0.0
All Other	13,623	29.1	9,980	28.1	2,079	34.1	587	27.2	335	35.3	147	29.6
Injury by Firearm	918	2.0	611	1.7	153	2.5	89	4.1	10	1.1	20	4.0
Drug-Induced Deaths	1,521	3.2	928	2.6	342	5.6	120	5.6	27	2.8	33	6.7
Alcohol-Induced Deaths	1,543	3.3	1,038	2.9	307	5.0	66	3.1	18	1.9	45	9.1
Work-Related Injury (Y/N Check Death Certificate)	76	0.2	46	0.1	20	0.3	*	*	*	*	3	0.6

italic * 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: Colorado residents, 2020

Cause of Death	<10%		10-19.9%		20-29.9%		30%+		Unknown	
	N	%	N	%	N	%	N	%	N	%
Total	23,901	100.0	14,662	100.0	5,077	100.0	1,377	100.0	1,829	100.0
Cardiovascular Disease	5,655	23.7	3,476	23.7	1,171	23.1	300	21.8	397	21.7
Heart Disease	4,084	17.1	2,545	17.4	849	16.7	217	15.8	299	16.3
Cerebrovascular Disease	1,172	4.9	658	4.5	232	4.6	52	3.8	74	4.0
Atherosclerosis	34	0.1	32	0.2	9	0.2	0	0.0	*	*
Malignant Neoplasms	4,616	19.3	2,402	16.4	778	15.3	171	12.4	274	15.0
Lung Cancer	791	3.3	474	3.2	126	2.5	34	2.5	49	2.7
Breast Cancer	389	1.6	176	1.2	64	1.3	13	0.9	20	1.1
Chronic Lower Respiratory Disease	1,100	4.6	888	6.1	318	6.3	90	6.5	92	5.0
Unintentional Injuries	1,773	7.4	1,061	7.2	398	7.8	120	8.7	276	15.1
Motor Vehicle	315	1.3	196	1.3	87	1.7	23	1.7	51	2.8
Other Unintentional Injuries	1,458	6.1	865	5.9	311	6.1	97	7.0	225	12.3
Pneumonia and Influenza	231	1.0	140	1.0	47	0.9	8	0.6	22	1.2
COVID-19	2,020	8.5	1,439	9.8	564	11.1	138	10.0	142	7.8
Suicide	654	2.7	412	2.8	133	2.6	30	2.2	65	3.6
Diabetes Mellitus	494	2.1	399	2.7	176	3.5	46	3.3	52	2.8
HIV Infection	14	0.1	18	0.1	6	0.1	*	*	4	0.2
Chronic Liver Disease and Cirrhosis	496	2.1	372	2.5	172	3.4	43	3.1	58	3.2
Alzheimer's Disease	1,275	5.3	617	4.2	168	3.3	54	3.9	50	2.7
Nephritis, Nephrosis, Nephrotic Syndrome	222	0.9	172	1.2	63	1.2	12	0.9	11	0.6
Homicide and Legal Intervention	138	0.6	115	0.8	59	1.2	26	1.9	26	1.4
Septicemia	203	0.8	152	1.0	54	1.1	13	0.9	17	0.9
Congenital Anomalies	84	0.4	47	0.3	22	0.4	3	0.2	3	0.2
Perinatal Period Conditions	90	0.4	47	0.3	19	0.4	7	0.5	4	0.2
All Other	6,856	28.7	4,344	29.6	1,493	29.4	452	32.8	478	26.1
Injury by Firearm	454	1.9	283	1.9	104	2.0	32	2.3	45	2.5
Drug-Induced Deaths	608	2.5	495	3.4	213	4.2	61	4.4	144	7.9
Alcohol-Induced Deaths	661	2.8	529	3.6	206	4.1	56	4.1	91	5.0
Work-Related Injury (Y/N Check Death Certificate)	32	0.1	29	0.2	11	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 2019 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: Colorado residents, 2020

Age Group	Deaths	Population	Age-Specific Death Rate
All Ages	46,846	5,813,161	8.1
Infant	294	61,496	4.8
Neonatal	200	61,496	3.3
1-4	38	260,081	0.1
5-9	20	340,727	0.1
10-14	68	365,266	0.2
15-19	280	384,261	0.7
20-24	441	404,718	1.1
25-29	621	444,600	1.4
30-34	741	437,004	1.7
35-39	808	415,015	1.9
40-44	922	382,628	2.4
45-49	1,151	369,434	3.1
50-54	1,628	353,635	4.6
55-59	2,417	364,419	6.6
60-64	3,388	350,418	9.7
65-69	4,113	297,284	13.8
70-74	4,889	237,940	20.5
75-79	5,270	151,968	34.7
80-84	5,621	94,822	59.3
85+	14,133	95,634	147.8
1-14	126	966,073	0.1
15-24	721	788,979	0.9
25-64	11,676	3,117,153	3.7
65+	34,026	877,647	38.8

* 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

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 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 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 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 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 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 composition[5].

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:

[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.

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[3] Colorado Comprehensive Cancer Program. *Cancer & Poverty in Colorado: 2001-2012*. Denver, CO: Colorado Department of Public Health and Environment. Available from: https://www.colorado.gov/pacific/sites/default/files/CHED_Report_Cancer_and_Poverty_2014.pdf

[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/topics/income-poverty/poverty/guidance/poverty-measures.html