

# Colorado Births and Deaths 2022

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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](mailto:cdphe.healthstatistics@state.co.us).

## Selected birth characteristics: Colorado residents, 2022

Characteristic	Number	Percent
<b>Total Live Births</b>	62,356	100.0
<b>Age of Mother</b>		
10-17	495	0.8
18-19	1,525	2.4
20-29	25,732	41.3
30+	34,592	55.5
<b>Low Weight Births (&lt;2,500 Grams)</b>	6,158	9.9
<b>Very Low Weight Births (&lt;1,500 Grams)</b>	728	1.2
<b>Prenatal Care Later than 1st Trimester/No Care</b>	10,655	17.6
<b>No Prenatal Care</b>	1,164	1.9
<b>Preterm Births (&lt;37 Weeks)</b>	6,253	10.0
<b>Education of Mother &lt;High School Diploma/GED</b>	6,032	9.8
<b>Live Births to Unmarried Women</b>	14,546	23.4
<b>Smoking During Pregnancy</b>	1,957	3.1

*"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, 2022022

Characteristic	All Ages		10-17		18-19		20-29		30+	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Total Live Births</b>	62,356	100.0	495	100.0	1,525	100.0	25,732	100.0	34,592	100.0
<b>Race/Ethnicity of Mother</b>										
White Alone, Non-Hispanic	34,722	56.7	99	20.6	438	29.4	11,861	46.9	22,318	65.6
Black/African American Alone, Non-Hispanic	2,931	4.8	31	6.5	84	5.6	1,299	5.1	1,517	4.5
Asian Alone, Non-Hispanic	2,452	4.0	9	1.9	13	0.9	663	2.6	1,765	5.2
Native Hawaiian/Other Pacific Islander Alone, Non-Hispanic	198	0.3	*	*	8	0.5	114	0.5	74	0.2
American Indian/Native Alaskan Alone, Non-Hispanic	322	0.5	*	*	11	0.7	181	0.7	129	0.4
Two-or-More Races, Non-Hispanic	1,688	2.8	17	3.5	50	3.4	807	3.2	814	2.4
Hispanic, All Races	18,941	30.9	321	66.9	888	59.5	10,339	40.9	7,391	21.7
Unknown	1,102		15		33		468		584	
<b>Low Weight Births (&lt;2,500 Grams)</b>	6,158	9.9	56	11.3	165	10.9	2,514	9.8	3,421	9.9
Very Low Weight Births (<1,500 Grams)	728	1.2	7	1.4	17	1.1	293	1.1	411	1.2
<b>Prenatal Care Later than 1st Trimester/No Care</b>	10,655	17.6	206	43.7	465	31.7	5,143	20.6	4,840	14.4
No Prenatal Care	1,164	1.9	35	7.4	66	4.5	503	2.0	560	1.7
<b>Preterm Births (&lt;37 Weeks)</b>	6,253	10.0	54	10.9	154	10.1	2,454	9.5	3,589	10.4
<b>Education of Mother &lt;High School Diploma/GED</b>	6,032	9.8	434	88.9	591	39.4	2,909	11.4	2,097	6.1
<b>Live Births to Unmarried Women</b>	14,546	23.3	463	93.5	1,088	71.3	8,495	33.0	4,496	13.0
<b>Smoking During Pregnancy</b>	1,957	3.1	5	1.0	42	2.8	943	3.7	965	2.8

*"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: Colorado residents, 2022

Characteristic	White Alone, Non-Hispanic		Black/African American Alone, Non-Hispanic		Asian Alone, Non-Hispanic		Native Hawaiian/Other Pacific Islander Alone, Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Total Live Births</b>	34,722	100.0	2,931	100.0	2,452	100.0	198	100.0
<b>Age of Mother</b>								
10-17	99	0.3	31	1.1	9	0.4	*	*
18-19	438	1.3	84	2.9	13	0.5	8	4.0
20-29	11,861	34.2	1,299	44.3	663	27.0	114	57.6
30+	22,318	64.3	1,517	51.8	1,765	72.0	74	37.4
<b>Low Weight Births (&lt;2,500 Grams)</b>	3,111	9.0	461	15.8	290	11.9	23	11.6
<b>Very Low Weight Births (&lt;1,500 Grams)</b>	324	0.9	68	2.3	30	1.2	*	*
<b>Prenatal Care Later than 1st Trimester/No Care</b>	4,611	13.7	782	27.4	396	16.6	96	50.0
No Prenatal Care	491	1.5	95	3.3	32	1.3	13	6.8
<b>Preterm Births (&lt;37 Weeks)</b>	3,245	9.4	422	14.4	229	9.3	28	14.1
<b>Education of Mother &lt;High School Diploma/GED</b>	1,203	3.5	353	12.2	179	7.4	41	20.8
<b>Live Births to Unmarried Women</b>	5,187	14.9	1,245	42.5	213	8.7	91	46.0
<b>Smoking During Pregnancy</b>	1,163	3.4	123	4.2	9	0.4	9	4.5

Characteristic	American Indian/Native Alaskan Alone, Non-Hispanic		Two-or-More Races, Non-Hispanic		Hispanic, All Races		Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Total Live Births</b>	322	100.0	1,688	100.0	18,941	100.0	1,102	100.0
<b>Age of Mother</b>			*	*	*	*	*	*
10-17	*	*	17	1.0	321	1.7	15	1.4
18-19	11	3.4	50	3.0	888	4.7	33	3.0
20-29	181	56.2	807	47.8	10,339	54.6	468	42.5
30+	129	40.1	814	48.2	7,391	39.0	584	53.0
<b>Low Weight Births (&lt;2,500 Grams)</b>	34	10.6	189	11.2	1,917	10.1	133	12.1
<b>Very Low Weight Births (&lt;1,500 Grams)</b>	3	0.9	26	1.5	254	1.3	21	1.9
<b>Prenatal Care Later than 1st Trimester/No Care</b>	70	23.6	326	20.0	4,048	22.0	326	32.1
No Prenatal Care	9	3.0	42	2.6	420	2.3	62	6.1
<b>Preterm Births (&lt;37 Weeks)</b>	45	14.1	180	10.7	1,971	10.4	133	12.1
<b>Education of Mother &lt;High School Diploma/GED</b>	47	14.6	108	6.4	3,937	21.0	164	18.4
<b>Live Births to Unmarried Women</b>	143	44.4	534	31.6	6,831	36.1	302	27.4
<b>Smoking During Pregnancy</b>	17	5.3	92	5.5	492	2.6	52	4.8

*"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, 2022**

Characteristic	<10%		10-19.9%		20-29.9%		30%+		Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Total Live Births</b>	37,266	100.0	18,431	100.0	4,507	100.0	1,281	100.0	871	100.0
<b>Race/Ethnicity of Mother</b>										
White Alone, Non-Hispanic	23,558	64.2	8,652	47.9	1,662	37.7	428	34.4	422	50.8
Black/African American Alone, Non-Hispanic	1,362	3.7	1,183	6.5	260	5.9	84	6.8	42	5.1
Asian Alone, Non-Hispanic	1,745	4.8	539	3.0	102	2.3	46	3.7	20	2.4
Native Hawaiian/Other Pacific Islander Alone, Non-Hispanic	88	0.2	87	0.5	11	0.2	10	0.8	*	*
American Indian/Native Alaskan Alone, Non-Hispanic	127	0.3	128	0.7	51	1.2	4	0.3	12	1.4
Two-or-More Races, Non-Hispanic	1,018	2.8	502	2.8	121	2.7	33	2.7	14	1.7
Hispanic, All Races	8,799	24.0	6,980	38.6	2,206	50.0	638	51.3	318	38.3
Unknown	569		360		94		38		41	
<b>Low Weight Births (&lt;2,500 Grams)</b>	3,556	9.6	1,902	10.4	472	10.5	123	9.7	105	12.1
Very Low Weight Births (<1,500 Grams)	412	1.1	238	1.3	54	1.2	13	1.0	11	1.3
<b>Prenatal Care Later than 1st Trimester/No Care</b>	5,398	14.9	3,608	20.3	1,085	24.9	325	26.1	239	29.7
No Prenatal Care	535	1.5	405	2.3	145	3.3	41	3.3	38	4.7
<b>Preterm Births (&lt;37 Weeks)</b>	3,601	9.7	1,933	10.5	484	10.7	134	10.5	101	11.6
<b>Education of Mother &lt;High School Diploma/GED</b>	2,237	6.1	2,462	13.5	945	21.3	269	21.4	119	14.1
<b>Live Births to Unmarried Women</b>	6,774	18.2	5,331	28.9	1,678	37.2	510	39.8	253	29.0
<b>Smoking During Pregnancy</b>	878	2.4	724	3.9	236	5.2	64	5.0	55	6.4

*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 2021 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.*

**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, 2022**

<b>Age Group</b>	<b>Births</b>	<b>Population</b>	<b>Fertility Rate</b>	<b>Lower Limit</b>	<b>Upper Limit</b>
<b>All Ages</b>	62,356	1,200,394	51.9	51.5	52.3
<b>Teen Age Groups</b>					
<b>13-14</b>	19	70,783	0.3	0.1	0.4
<b>15-17</b>	476	109,891	4.3	3.9	4.7
<b>18-19</b>	1,525	77,199	19.8	18.8	20.7
<b>10-17</b>	495	282,502	1.8	1.6	1.9
<b>10-19</b>	2,020	359,701	5.6	5.4	5.9
<b>All Age Groups</b>					
<b>10-14</b>	19	172,610	0.1	0.1	0.2
<b>15-19</b>	2,001	187,091	10.7	10.2	11.2
<b>20-24</b>	9,495	190,929	49.7	48.8	50.7
<b>25-29</b>	16,237	205,924	78.8	77.7	80.0
<b>30-34</b>	20,502	210,063	97.6	96.3	98.9
<b>35-39</b>	11,537	210,798	54.7	53.8	55.7
<b>40-49</b>	2,536	375,401	6.8	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.*

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

## Vital statistics summary: Colorado County residents, 2012, 2018-2022

	2012	2018	2019	2020	2021	2022	2018-2022 Annual Average
<b>Total Population</b>	5,195,927	5,696,856	5,763,936	5,784,157	5,811,074	5,838,789	5,778,962
<b>Total Births</b>							
Number	65,188	62,871	62,875	61,496	62,928	62,356	62,505
Birth Rate	12.5	11.0	10.9	10.6	10.8	10.7	10.8
General Fertility Rate	61.6	53.7	52.9	51.8	52.7	51.9	52.6
<b>Age of Mother 10-17</b>							
Number	1,186	656	663	574	556	495	589
Percent of Total Births	1.8	1.0	1.1	0.9	0.9	0.8	0.9
Fertility Rate	4.5	2.3	2.3	2.0	1.9	1.8	2.1
<b>Low Weight Births (&lt;2,500 Grams)</b>							
Number	5,762	5,917	5,927	5,679	5,956	6,158	5,927
Percent	8.8	9.4	9.4	9.2	9.5	9.9	9.5
<b>Prenatal Care Later Than 1st Trimester/No Care</b>							
Number	12,465	10,427	10,234	10,865	9,869	10,655	10,410
Percent	19.8	17.5	17.2	18.3	16.2	17.6	17.4
<b>Births to Unmarried Women</b>							
Number	15,253	14,656	14,836	14,374	14,422	14,546	14,567
Percent	23.4	23.3	23.6	23.4	22.9	23.3	23.3
<b>Mother's Education &lt;12 Years</b>							
Number	9,368	6,756	6,650	6,313	5,943	6,032	6,339
Percent	14.5	10.9	10.7	10.4	9.5	9.8	10.3
<b>Infant Deaths</b>							
Number	298	296	306	294	317	278	298
Rate	4.6	4.7	4.9	4.8	5.0	4.5	4.8
<b>Neonatal Deaths</b>							
Number	212	206	194	200	217	186	201
Rate	3.3	3.3	3.1	3.3	3.4	3.0	3.2
<b>Total Deaths</b>							
Number	33,127	38,451	39,318	46,846	48,284	46,751	43,930
Crude Rate	637.6	675.0	682.1	809.9	830.9	800.7	760.2
Age-Adjusted Rate	665.9	641.0	635.9	755.8	756.3	712.1	700.8
<b>Cardiovascular Disease</b>							
Number	8,554	10,047	10,480	10,999	10,956	11,225	10,741
Age-Adjusted Rate	173.9	167.7	169.8	177.5	171.5	169.6	171.2
<b>Heart Disease</b>							
Number	6,306	7,336	7,748	7,994	8,069	8,371	7,904
Age-Adjusted Rate	127.3	121.6	124.9	128.3	125.7	125.9	125.3
<b>Cerebrovascular Disease</b>							

(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 County residents, 2012, 2018-2022

	2012	2018	2019	2020	2021	2022	2018-2022 Annual Average
<b>Number</b>	1,565	1,992	1,982	2,188	2,044	2,093	2,060
<b>Age-Adjusted Rate</b>	32.4	34.0	32.8	36.1	32.7	32.2	33.5
<b>Malignant Neoplasms</b>							
<b>Number</b>	7,314	7,804	7,970	8,241	8,065	8,321	8,080
<b>Age-Adjusted Rate</b>	143.5	126.0	123.9	127.0	120.6	120.5	123.5
<b>Lung Cancer</b>							
<b>Number</b>	1,590	1,406	1,475	1,474	1,320	1,422	1,419
<b>Age-Adjusted Rate</b>	31.5	22.7	22.9	22.4	19.5	20.3	21.5
<b>Breast Cancer</b>							
<b>Number</b>	585	600	612	662	662	640	635
<b>Age-Adjusted Rate</b>	11.2	9.7	9.5	10.3	10.0	9.5	9.8
<b>Total Unintentional Injuries</b>							
<b>Number</b>	2,404	3,006	3,075	3,628	4,197	4,244	3,630
<b>Age-Adjusted Rate</b>	47.0	51.2	51.3	60.6	69.4	68.7	60.3
<b>Motor Vehicle</b>							
<b>Number</b>	457	659	640	672	747	835	711
<b>Age-Adjusted Rate</b>	8.7	11.2	10.6	11.2	12.3	13.7	11.8
<b>Other Unintentional Injuries</b>							
<b>Number</b>	1,947	2,347	2,435	2,956	3,450	3,409	2,919
<b>Age-Adjusted Rate</b>	38.3	39.9	40.7	49.4	57.1	55.0	48.5
<b>Chronic Lower Respiratory Diseases</b>							
<b>Number</b>	2,237	2,630	2,513	2,488	2,302	2,461	2,479
<b>Age-Adjusted Rate</b>	46.7	43.2	40.0	39.4	35.1	36.4	38.7
<b>COVID-19</b>							
<b>Number</b>	0	0	0	4,303	5,298	2,261	2,372
<b>Age-Adjusted Rate</b>	0.0	0.0	0.0	69.6	80.3	33.7	37.2
<b>Suicide</b>							
<b>Number</b>	1,053	1,271	1,306	1,294	1,370	1,287	1,306
<b>Age-Adjusted Rate</b>	19.6	21.6	21.9	21.5	22.6	21.1	21.7
<b>Homicide and Legal Intervention</b>							
<b>Number</b>	208	288	273	364	397	438	352
<b>Age-Adjusted Rate</b>	4.0	5.1	4.7	6.4	6.8	7.6	6.1
<b>Work-Related Injury</b>							
<b>Number</b>	73	75	86	76	95	83	83
<b>Age-Adjusted Rate</b>	1.3	1.3	1.4	1.3	1.5	1.3	1.4

\* 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, 20222**

Cause of Death	N	Crude Rate	Age-Adjusted Rate	Lower Limit	Upper Limit
All Causes	46,750	800.7	712.1	705.7	718.4
Cardiovascular Disease	11,225	192.2	169.6	166.5	172.8
Heart Disease	8,371	143.4	125.9	123.2	128.6
Cerebrovascular Disease	2,093	35.8	32.2	30.8	33.6
Atherosclerosis	49	0.8	0.7	0.5	0.9
Malignant Neoplasms	8,321	142.5	120.5	117.9	123.1
Lung Cancer	1,422	24.4	20.3	19.3	21.4
Breast Cancer	640	11.0	9.5	8.7	10.2
Chronic Lower Respiratory Diseases	2,461	42.1	36.4	35.0	37.9
Unintentional Injuries	4,244	72.7	68.7	66.6	70.8
Motor Vehicle	835	14.3	13.7	12.8	14.7
Other Unintentional Injuries	3,374	57.8	54.4	52.6	56.3
Pneumonia and Influenza	468	8.0	7.1	6.4	7.7
COVID-19	2,261	38.7	33.7	32.3	35.1
Suicide	1,287	22.0	21.1	19.9	22.2
Diabetes Mellitus	1,210	20.7	17.8	16.8	18.8
HIV Infection	40	0.7	0.6	0.4	0.8
Chronic Liver Disease and Cirrhosis	1,207	20.7	18.4	17.3	19.4
Alzheimer's Disease	1,870	32.0	29.7	28.3	31.0
Nephritis, Nephrosis, Nephrotic Syndrome	555	9.5	8.4	7.7	9.1
Homicide and Legal Intervention	438	7.5	7.6	6.9	8.3
Septicemia	502	8.6	7.4	6.8	8.1
Congenital Anomalies	187	3.2	3.4	2.9	3.9
Perinatal Period Conditions	137	2.3	3.0	2.5	3.5
All Other	12,598	215.8	192.4	189.1	195.8
Injury by Firearm	1,033	17.7	17.1	16.0	18.2
Drug-Induced Deaths	1,870	32.0	31.1	29.6	32.5
Alcohol-Induced Deaths	1,547	26.5	23.9	22.7	25.1
Work-Related Injury (Y/N Check Death Certificate)	83	1.4	1.3	1.0	1.6

*\* 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 County residents, 2022

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	278	4.5	177	0.2	723	0.9	3,440	2.0	8,353	5.8	33,779	36.2
Cardiovascular Disease	3	0.0	5	0.0	19	0.0	259	0.2	1,688	1.2	9,251	9.9
Heart Disease	*	*	3	0.0	12	0.0	204	0.1	1,353	0.9	6,798	7.3
Cerebrovascular Disease	*	*	*	*	6	0.0	37	0.0	213	0.1	1,834	2.0
Atherosclerosis	0	0.0	0	0.0	0	0.0	0	0.0	7	0.0	42	0.0
Malignant Neoplasms	*	*	11	0.0	24	0.0	186	0.1	1,732	1.2	6,367	6.8
Lung Cancer	0	0.0	0	0.0	0	0.0	11	0.0	244	0.2	1,167	1.3
Breast Cancer	0	0.0	0	0.0	0	0.0	21	0.0	168	0.1	451	0.5
Chronic Lower Respiratory Diseases	0	0.0	*	*	*	*	17	0.0	253	0.2	2,188	2.3
Unintentional Injuries	21	0.3	47	0.0	329	0.4	1,252	0.7	1,043	0.7	1,552	1.7
Motor Vehicle	*	*	26	0.0	150	0.2	284	0.2	224	0.2	150	0.2
Other Unintentional Injuries	20	0.3	21	0.0	179	0.2	968	0.6	819	0.6	1,402	1.5
Pneumonia and Influenza	3	0.0	5	0.0	*	*	17	0.0	83	0.1	358	0.4
COVID-19	5	0.1	0	0.0	*	*	82	0.0	422	0.3	1,751	1.9
Suicide	0	0.0	17	0.0	147	0.2	497	0.3	408	0.3	218	0.2
Diabetes Mellitus	0	0.0	*	*	4	0.0	52	0.0	279	0.2	874	0.9
HIV Infection	0	0.0	0	0.0	0	0.0	3	0.0	22	0.0	15	0.0
Chronic Liver Disease and Cirrhosis	0	0.0	0	0.0	8	0.0	271	0.2	558	0.4	370	0.4
Alzheimer's Disease	0	0.0	0	0.0	0	0.0	0	0.0	21	0.0	1,849	2.0
Nephritis, Nephrosis, Nephrotic Syndrome	0	0.0	*	*	*	*	22	0.0	83	0.1	447	0.5
Homicide and Legal Intervention	5	0.1	23	0.0	98	0.1	206	0.1	79	0.1	27	0.0
Septicemia	0	0.0	0	0.0	6	0.0	24	0.0	98	0.1	374	0.4
Congenital Anomalies	62	1.0	12	0.0	11	0.0	23	0.0	37	0.0	42	0.0
Perinatal Period Conditions	134	2.1	*	*	*	*	0	0.0	0	0.0	0	0.0
All Other	49	0.8	51	0.1	71	0.1	611	0.4	1,969	1.4	9,847	10.6
Injury by Firearm	*	*	23	0.0	180	0.2	409	0.2	262	0.2	158	0.2
Drug-Induced Deaths	*	*	11	0.0	161	0.2	898	0.5	643	0.4	156	0.2
Alcohol-Induced Deaths	0	0.0	0	0.0	12	0.0	404	0.2	776	0.5	355	0.4
Work-Related Injury (Y/N Check Death Certificate)	0	0.0	0	0.0	10	0.0	31	0.0	29	0.0	13	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 County residents, 2022

Cause of Death	All Races/Ethnicities		White Alone, Non-Hispanic		Black/African American Alone, Non-Hispanic		Asian Alone, Non-Hispanic	
	N	%	N	%	N	%	N	%
<b>Total</b>	46,751	100.0	35,649	100.0	1,789	100.0	723	100.0
<b>Cardiovascular Disease</b>	11,225	24.0	8,931	25.1	442	24.7	194	26.8
Heart Disease	8,371	17.9	6,715	18.8	320	17.9	132	18.3
Cerebrovascular Disease	2,093	4.5	1,635	4.6	83	4.6	50	6.9
Atherosclerosis	49	0.1	40	0.1	*	*	0	0.0
<b>Malignant Neoplasms</b>	8,321	17.8	6,578	18.5	279	15.6	156	21.6
Lung Cancer	1,422	3.0	1,166	3.3	58	3.2	32	4.4
Breast Cancer	640	1.4	524	1.5	25	1.4	13	1.8
<b>Chronic Lower Respiratory Disease</b>	2,461	5.3	2,083	5.8	81	4.5	24	3.3
<b>Unintentional Injuries</b>	4,244	9.1	2,794	7.8	196	11.0	50	6.9
Motor Vehicle	835	1.8	449	1.3	33	1.8	12	1.7
Other Unintentional Injuries	3,409	7.3	2,345	6.6	163	9.1	38	5.3
<b>Pneumonia and Influenza</b>	468	1.0	340	1.0	19	1.1	13	1.8
<b>COVID-19</b>	2,261	4.8	1,588	4.5	83	4.6	35	4.8
<b>Suicide</b>	1,287	2.8	933	2.6	37	2.1	17	2.4
<b>Diabetes Mellitus</b>	1,210	2.6	796	2.2	83	4.6	21	2.9
<b>HIV Infection</b>	40	0.1	21	0.1	5	0.3	0	0.0
<b>Chronic Liver Disease and Cirrhosis</b>	1,208	2.6	758	2.1	29	1.6	8	1.1
<b>Alzheimer's Disease</b>	1,870	4.0	1,588	4.5	38	2.1	29	4.0
<b>Nephritis, Nephrosis, Nephrotic Syndrome</b>	555	1.2	401	1.1	24	1.3	9	1.2
<b>Homicide and Legal Intervention</b>	438	0.9	152	0.4	77	4.3	3	0.4
<b>Septicemia</b>	502	1.1	394	1.1	17	1.0	5	0.7
<b>Congenital Anomalies</b>	187	0.4	114	0.3	13	0.7	8	1.1
<b>Perinatal Period Conditions</b>	137	0.3	48	0.1	11	0.6	5	0.7
<b>All Other</b>	10,337	22.1	8,130	22.8	355	19.8	146	20.2
<b>Injury by Firearm</b>	1,033	2.2	623	1.7	98	5.5	9	1.2
<b>Drug-Induced Deaths</b>	1,870	4.0	1,124	3.2	124	6.9	15	2.1
<b>Alcohol-Induced Deaths</b>	1,547	3.3	1,045	2.9	51	2.9	12	1.7
<b>Work-Related Injury (Y/N Check Death Certificate)</b>	83	0.2	44	0.1	*	*	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 race/ethnicity: Colorado County residents, 2022

Cause of Death	Native Hawaiian/Other Pacific Islander Alone, Non-Hispanic		American Indian/Native Alaskan Alone, Non-Hispanic		Two-or-More Races, Non-Hispanic		Hispanic, All Races		Unknown	
	N	%	N	%	N	%	N	%	N	%
<b>Total</b>	47	100.0	285	100.0	293	100.0	6,718	100.0	1,247	100.0
<b>Cardiovascular Disease</b>	14	29.8	55	19.3	59	20.1	1,238	18.4	292	23.4
Heart Disease	5	10.6	37	13.0	42	14.3	885	13.2	235	18.8
Cerebrovascular Disease	7	14.9	12	4.2	11	3.8	253	3.8	42	3.4
Atherosclerosis	0	0.0	0	0.0	0	0.0	3	0.0	4	0.3
<b>Malignant Neoplasms</b>	11	23.4	34	11.9	46	15.7	1,043	15.5	174	14.0
Lung Cancer	4	8.5	5	1.8	8	2.7	122	1.8	27	2.2
Breast Cancer	0	0.0	*	*	3	1.0	58	0.9	15	1.2
<b>Chronic Lower Respiratory Disease</b>	*	*	9	3.2	19	6.5	191	2.8	53	4.3
<b>Unintentional Injuries</b>	*	*	42	14.7	38	13.0	936	13.9	187	15.0
Motor Vehicle	*	*	12	4.2	9	3.1	247	3.7	72	5.8
Other Unintentional Injuries	0	0.0	30	10.5	29	9.9	689	10.3	115	9.2
<b>Pneumonia and Influenza</b>	*	*	3	1.1	3	1.0	71	1.1	18	1.4
<b>COVID-19</b>	*	*	21	7.4	14	4.8	470	7.0	49	3.9
<b>Suicide</b>	4	8.5	9	3.2	8	2.7	220	3.3	59	4.7
<b>Diabetes Mellitus</b>	4	8.5	16	5.6	6	2.0	260	3.9	24	1.9
<b>HIV Infection</b>	0	0.0	*	*	0	0.0	12	0.2	*	*
<b>Chronic Liver Disease and Cirrhosis</b>	0	0.0	22	7.7	13	4.4	347	5.2	31	2.5
<b>Alzheimer's Disease</b>	0	0.0	4	1.4	8	2.7	168	2.5	35	2.8
<b>Nephritis, Nephrosis, Nephrotic Syndrome</b>	3	6.4	3	1.1	0	0.0	107	1.6	8	0.6
<b>Homicide and Legal Intervention</b>	0	0.0	5	1.8	12	4.1	171	2.5	18	1.4
<b>Septicemia</b>	0	0.0	3	1.1	0	0.0	73	1.1	10	0.8
<b>Congenital Anomalies</b>	*	*	0	0.0	5	1.7	41	0.6	5	0.4
<b>Perinatal Period Conditions</b>	0	0.0	*	*	3	1.0	54	0.8	15	1.2
<b>All Other</b>	6	12.8	57	20.0	59	20.1	1,316	19.6	268	21.5
					*	*	*	*	*	*
<b>Injury by Firearm</b>	*	*	4	1.4	12	4.1	249	3.7	36	2.9
<b>Drug-Induced Deaths</b>	0	0.0	24	8.4	22	7.5	495	7.4	66	5.3
<b>Alcohol-Induced Deaths</b>	*	*	23	8.1	19	6.5	353	5.3	42	3.4
<b>Work-Related Injury (Y/N Check Death Certificate)</b>	0	0.0	0	0.0	*	*	29	0.4	7	0.6

\* 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, 2022

Cause of Death	<10%		10-19.9%		20-29.9%		30%+		Unknown	
	N	%	N	%	N	%	N	%	N	%
<b>Total</b>	26,044	100.0	14,213	100.0	3,583	100.0	1,127	100.0	1,784	100.0
<b>Cardiovascular Disease</b>	6,369	24.5	3,436	24.2	786	21.9	280	24.8	354	19.8
Heart Disease	4,735	18.2	2,532	17.8	622	17.4	207	18.4	275	15.4
Cerebrovascular Disease	1,230	4.7	658	4.6	114	3.2	40	3.5	51	2.9
Atherosclerosis	26	0.1	14	0.1	6	0.2	3	0.3	0	0.0
<b>Malignant Neoplasms</b>	4,916	18.9	2,430	17.1	583	16.3	156	13.8	236	13.2
Lung Cancer	770	3.0	479	3.4	102	2.8	30	2.7	41	2.3
Breast Cancer	403	1.5	167	1.2	45	1.3	11	1.0	14	0.8
<b>Chronic Lower Respiratory Disease</b>	1,252	4.8	821	5.8	242	6.8	64	5.7	82	4.6
<b>Unintentional Injuries</b>	2,098	8.1	1,267	8.9	365	10.2	122	10.8	392	22.0
Motor Vehicle	422	1.6	243	1.7	74	2.1	25	2.2	71	4.0
Other Unintentional Injuries	1,676	6.4	1,024	7.2	291	8.1	97	8.6	321	18.0
<b>Pneumonia and Influenza</b>	245	0.9	147	1.0	48	1.3	13	1.2	15	0.8
<b>COVID-19</b>	1,221	4.7	714	5.0	193	5.4	55	4.9	78	4.4
<b>Suicide</b>	697	2.7	378	2.7	97	2.7	44	3.9	71	4.0
<b>Diabetes Mellitus</b>	586	2.3	417	2.9	128	3.6	40	3.5	39	2.2
<b>HIV Infection</b>	10	0.0	17	0.1	6	0.2	*	*	5	0.3
<b>Chronic Liver Disease and Cirrhosis</b>	590	2.3	394	2.8	122	3.4	44	3.9	58	3.3
<b>Alzheimer's Disease</b>	1,175	4.5	518	3.6	97	2.7	35	3.1	45	2.5
<b>Nephritis, Nephrosis, Nephrotic Syndrome</b>	294	1.1	188	1.3	45	1.3	11	1.0	17	1.0
<b>Homicide and Legal Intervention</b>	185	0.7	136	1.0	63	1.8	21	1.9	33	1.8
<b>Septicemia</b>	272	1.0	164	1.2	39	1.1	11	1.0	16	0.9
<b>Congenital Anomalies</b>	115	0.4	46	0.3	14	0.4	*	*	10	0.6
<b>Perinatal Period Conditions</b>	75	0.3	43	0.3	12	0.3	3	0.3	4	0.2
<b>All Other</b>	7,165	27.5	3,811	26.8	936	26.1	279	24.8	407	22.8
<b>Injury by Firearm</b>	519	2.0	317	2.2	108	3.0	40	3.5	49	2.7
<b>Drug-Induced Deaths</b>	734	2.8	599	4.2	205	5.7	70	6.2	262	14.7
<b>Alcohol-Induced Deaths</b>	776	3.0	486	3.4	153	4.3	46	4.1	86	4.8
<b>Work-Related Injury (Y/N Check Death Certificate)</b>	51	0.2	25	0.2	5	0.1	*	*	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 2021 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.*

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

## Deaths and age-specific death rates: Colorado County residents, 2022

Age Group	Deaths	Population	Age-Specific Death Rate
All Ages	46,751	5,838,789	8.0
Infant	278	62,356	4.5
Neonatal	186	62,356	3.0
1-4	53	251,034	0.2
5-9	43	337,950	0.1
10-14	81	353,510	0.2
15-19	276	384,758	0.7
20-24	447	403,431	1.1
25-29	637	431,638	1.5
30-34	854	429,997	2.0
35-39	937	425,758	2.2
40-44	1,012	393,370	2.6
45-49	1,157	362,689	3.2
50-54	1,559	368,490	4.2
55-59	2,318	347,553	6.7
60-64	3,319	353,767	9.4
65-69	4,274	308,007	13.9
70-74	4,979	251,816	19.8
75-79	5,516	175,689	31.4
80-84	5,736	101,208	56.7
85+	13,274	95,426	139.1
1-14	177	942,494	0.2
15-24	723	788,189	0.9
25-64	11,793	3,113,261	3.8
65+	33,779	932,146	36.2

\* 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 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<sup>1,2,3</sup>.

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 tracts<sup>4</sup>.

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<sup>5</sup>.

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](mailto:cdphe.healthstatistics@state.co.us).

### References:

<sup>1</sup> 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.

<sup>2</sup> 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.

<sup>3</sup> 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](https://www.colorado.gov/pacific/sites/default/files/CHED_Report_Cancer_and_Poverty_2014.pdf)

<sup>4</sup> *Geographic Terms and Concepts – Census Tract.* United States Census Bureau. Available from: [www.census.gov/geo/reference/gtc/gtc\\_ct.html](http://www.census.gov/geo/reference/gtc/gtc_ct.html)

<sup>5</sup> *How the Census Bureau Measures Poverty.* United States Census Bureau. Available from: <https://www.census.gov/topics/income-poverty/poverty/guidance/poverty-measures.html>