Colorado Births and Deaths 2019

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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, 2019

| Characteristic | Number | Percent |
|-------------------------------------------------------------------------------------------------|--------|---------|
| Total Live Births | 62,875 | 100.0 |
| Age of Mother | | |
| 10-17 | 663 | 1.1 |
| 18-19 | 1,824 | 2.9 |
| 20-29 | 27,521 | 43.8 |
| 30+ | 32,853 | 52.3 |
| Low Weight Births (<2,500 Grams) | 5,927 | 9.5 |
| Very Low Weight Births (<1,500 Grams) | 739 | 1.2 |
| Prenatal Care Later than 1st Trimester/No Care | 10,234 | 17.2 |
| No Prenatal Care | 902 | 1.5 |
| Preterm Births (<37 Weeks) | 6,007 | 9.6 |
| Education of Mother <high diploma="" ged<="" school="" th=""><th>6,650</th><th>10.7</th></high> | 6,650 | 10.7 |
| Live Births to Unmarried Women | 14,836 | 23.6 |
| Smoking During Pregnancy | 3,184 | 5.1 |

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.

[&]quot;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.

Selected birth characteristics by age group of mother: Colorado residents, 2019

| Characteristic | All A | Ages | 10 | -17 | 18 | -19 | 20 | -29 | 3 | 0+ |
|-----------------------------------------------------------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|
| Cnaracteristic | Number | Percent |
| Total Live Births | 62,875 | 100.0 | 663 | 100.0 | 1,824 | 100.0 | 27,521 | 100.0 | 32,853 | 100.0 |
| Race/Ethnicity of Mother | | | | | | | | | | |
| White, Non-Hispanic | 36,628 | 60.3 | 165 | 26.4 | 570 | 33.2 | 13,857 | 52.3 | 22,031 | 69.1 |
| White, Hispanic | 14,223 | 23.4 | 341 | 54.6 | 776 | 45.2 | 7,928 | 29.9 | 5,175 | 16.2 |
| Black | 3,977 | 6.6 | 45 | 7.2 | 152 | 8.9 | 2,097 | 7.9 | 1,683 | 5.3 |
| Asian American/Pacific Islander | 3,132 | 5.2 | 9 | 1.4 | 35 | 2.0 | 1,096 | 4.1 | 1,992 | 6.2 |
| American Indian/Native Alaskan | 729 | 1.2 | 15 | 2.4 | 50 | 2.9 | 389 | 1.5 | 275 | 0.9 |
| Other | 2,027 | 3.3 | 50 | 8.0 | 134 | 7.8 | 1,114 | 4.2 | 729 | 2.3 |
| Unknown | 2,159 | | 38 | | 107 | | 1,040 | | 968 | |
| Low Weight Births (<2,500 Grams) | 5,927 | 9.5 | 74 | 11.2 | 185 | 10.2 | 2,500 | 9.1 | 3,166 | 9.7 |
| Very Low Weight Births (<1,500 Grams) | 739 | 1.2 | 11 | 1.7 | 23 | 1.3 | 325 | 1.2 | 380 | 1.2 |
| Prenatal Care Later than 1st Trimester/No Care | 10,234 | 17.2 | 267 | 43.3 | 545 | 32.0 | 5,201 | 20.0 | 4,220 | 13.6 |
| No Prenatal Care | 902 | 1.5 | 27 | 4.4 | 42 | 2.5 | 459 | 1.8 | 373 | 1.2 |
| Preterm Births (<37 Weeks) | 6,007 | 9.6 | 79 | 11.9 | 159 | 8.7 | 2,519 | 9.2 | 3,245 | 9.9 |
| Education of Mother <high School Diploma/GED</high | 6,650 | 10.7 | 571 | 88.4 | 653 | 36.4 | 3,174 | 11.7 | 2,252 | 6.9 |
| Live Births to Unmarried Women | 14,836 | 23.6 | 613 | 92.5 | 1,293 | 70.9 | 8,791 | 31.9 | 4,139 | 12.6 |
| Smoking During Pregnancy | 3,184 | 5.1 | 23 | 3.5 | 105 | 5.8 | 1,804 | 6.6 | 1,252 | 3.8 |

* 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.

[&]quot;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.

Selected birth characteristics by race/ethnicity of mother: Colorado residents, 2019

| Characteristic | White Non-Hispanic | | White Hispanic | | Bla | ack | America | ian n/Pacific nder | American Indian/Native Alaskan | |
|-----------------------------------------------------------|-----------------------|---------|----------------|---------|--------|---------|---------|--------------------------|--------------------------------------|---------|
| | Number | Percent | Number | Percent | Number | Percent | Number | Percent | Number | Percent |
| Total Live Births | 36,628 | 100.0 | 14,223 | 100.0 | 3,977 | 100.0 | 3,132 | 100.0 | 729 | 100.0 |
| Age of Mother | | | | | | | | | | |
| 10-17 | 165 | 0.5 | 341 | 2.4 | 45 | 1.1 | 9 | 0.3 | 15 | 2.1 |
| 18-19 | 570 | 1.6 | 776 | 5.5 | 152 | 3.8 | 35 | 1.1 | 50 | 6.9 |
| 20-29 | 13,857 | 37.8 | 7,928 | 55.7 | 2,097 | 52.7 | 1,096 | 35.0 | 389 | 53.4 |
| 30+ | 22,031 | 60.1 | 5,175 | 36.4 | 1,683 | 42.3 | 1,992 | 63.6 | 275 | 37.7 |
| Low Weight Births (<2,500 Grams) | 3,161 | 8.6 | 1,345 | 9.5 | 565 | 14.3 | 356 | 11.4 | 64 | 8.8 |
| Very Low Weight Births (<1,500 Grams) | 364 | 1.0 | 153 | 1.1 | 101 | 2.5 | 44 | 1.4 | 6 | 0.8 |
| Prenatal Care Later than 1st Trimester/No Care | 4,738 | 13.6 | 3,082 | 22.9 | 899 | 24.6 | 505 | 17.1 | 212 | 31.1 |
| No Prenatal Care | 313 | 0.9 | 376 | 2.8 | 87 | 2.4 | 41 | 1.4 | 31 | 4.5 |
| Preterm Births (<37 Weeks) | 3,266 | 8.9 | 1,409 | 9.9 | 497 | 12.5 | 331 | 10.6 | 69 | 9.5 |
| Education of Mother <high School Diploma/GED</high | 1,505 | 4.1 | 3,358 | 23.9 | 502 | 12.9 | 256 | 8.3 | 129 | 17.9 |
| Live Births to Unmarried Women | 6,238 | 17.0 | 4,715 | 33.2 | 1,572 | 39.5 | 370 | 11.8 | 339 | 46.5 |
| Smoking During Pregnancy | 2,074 | 5.7 | 534 | 3.8 | 284 | 7.2 | 57 | 1.8 | 73 | 10.2 |

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.

[&]quot;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.

Selected birth characteristics by area-based poverty status of mother's residence: Colorado residents, 2019

| Characteristic | <1 | 0% | 10-1 | 9.9% | 20-2 | 9.9% | 30 | %+ | Unkr | nown |
|-----------------------------------------------------------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|
| Characteristic | Number | Percent |
| Total Live Births | 32,445 | 100.0 | 19,749 | 100.0 | 6,720 | 100.0 | 2,910 | 100.0 | 1,051 | 100.0 |
| Race/Ethnicity of Mother | | | | | | | | | | |
| White, Non-Hispanic | 22,293 | 70.4 | 10,127 | 53.6 | 2,604 | 40.4 | 1,014 | 36.8 | 590 | 59.2 |
| White, Hispanic | 5,039 | 15.9 | 5,439 | 28.8 | 2,409 | 37.4 | 1,107 | 40.2 | 229 | 23.0 |
| Black | 1,448 | 4.6 | 1,553 | 8.2 | 674 | 10.5 | 245 | 8.9 | 57 | 5.7 |
| Asian American/Pacific Islander | 1,917 | 6.1 | 793 | 4.2 | 262 | 4.1 | 126 | 4.6 | 34 | 3.4 |
| American Indian/Native Alaskan | 224 | 0.7 | 265 | 1.4 | 157 | 2.4 | 56 | 2.0 | 27 | 2.7 |
| Other | 723 | 2.3 | 701 | 3.7 | 335 | 5.2 | 209 | 7.6 | 59 | 5.9 |
| Unknown | 801 | | 871 | | 279 | | 153 | | 55 | |
| Low Weight Births (<2,500 Grams) | 2,929 | 9.0 | 1,940 | 9.8 | 671 | 10.0 | 281 | 9.7 | 106 | 10.1 |
| Very Low Weight Births (<1,500 Grams) | 345 | 1.1 | 266 | 1.4 | 78 | 1.2 | 35 | 1.2 | 15 | 1.4 |
| Prenatal Care Later than 1st Trimester/No Care | 4,215 | 13.7 | 3,660 | 19.7 | 1,401 | 22.2 | 698 | 25.0 | 260 | 26.8 |
| No Prenatal Care | 254 | 0.8 | 363 | 2.0 | 161 | 2.6 | 92 | 3.3 | 32 | 3.3 |
| Preterm Births (<37 Weeks) | 2,970 | 9.2 | 1,943 | 9.8 | 675 | 10.1 | 311 | 10.7 | 108 | 10.3 |
| Education of Mother <high School Diploma/GED</high | 1,702 | 5.3 | 2,733 | 14.0 | 1,389 | 21.1 | 688 | 24.1 | 138 | 13.5 |
| Live Births to Unmarried Women | 5,507 | 17.0 | 5,517 | 27.9 | 2,285 | 34.0 | 1,209 | 41.5 | 318 | 30.3 |
| Smoking During Pregnancy | 1,114 | 3.4 | 1,197 | 6.1 | 499 | 7.4 | 291 | 10.0 | 83 | 7.9 |

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 2018 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.

* 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.

[&]quot;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.

Live births and fertility rates with 95% confidence limits by age group of mother: Colorado residents, 2019

| Age Group | Births | Population | Fertility Rate | Lower Limit | Upper Limit |
|-----------------|--------|------------|-------------------|----------------|----------------|
| All Ages | 62,875 | 1,189,687 | 52.9 | 52.4 | 53.3 |
| Teen Age Groups | | | | | |
| 13-14 | 21 | 73,293 | 0.3 | 0.2 | 0.4 |
| 15-17 | 641 | 108,824 | 5.9 | 5.4 | 6.3 |
| 18-19 | 1,824 | 76,038 | 24.0 | 22.9 | 25.1 |
| 10-17 | 663 | 288,773 | 2.3 | 2.1 | 2.5 |
| 10-19 | 2,487 | 364,811 | 6.8 | 6.5 | 7.1 |
| All Age Groups | | | | | |
| 10-14 | 22 | 179,949 | 0.1 | 0.1 | 0.2 |
| 15-19 | 2,465 | 184,862 | 13.3 | 12.8 | 13.9 |
| 20-24 | 10,265 | 188,552 | 54.4 | 53.4 | 55.5 |
| 25-29 | 17,256 | 213,542 | 80.8 | 79.6 | 82.0 |
| 30-34 | 19,733 | 216,406 | 91.2 | 90.0 | 92.4 |
| 35-39 | 10,789 | 200,525 | 53.8 | 52.8 | 54.8 |
| 40-49 | 2,312 | 369,328 | 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.

Vital statistics summary: Colorado residents, 2009, 2015-2019

| | 2009 | 2015 | 2016 | 2017 | 2018 | 2019 | 2015-2019 Annual Average |
|------------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------------------------|
| Total Population | 4,976,722 | 5,452,840 | 5,541,173 | 5,615,223 | 5,695,073 | 5,761,907 | 5,613,243 |
| Total Births | | | | | | | |
| Number | 68,602 | 66,567 | 66,611 | 64,387 | 62,871 | 62,875 | 64,662 |
| Birth Rate | 13.8 | 12.2 | 12.0 | 11.5 | 11.0 | 10.9 | 11.5 |
| General Fertility Rate | 67.4 | 59.9 | 58.9 | 55.9 | 53.7 | 52.9 | 56.2 |
| Age of Mother 10-17 | | | | | | | |
| Number | 2,042 | 873 | 846 | 723 | 656 | 663 | 752 |
| Percent of Total Births | 3.0 | 1.3 | 1.3 | 1.1 | 1.0 | 1.1 | 1.2 |
| Fertility Rate | 8.2 | 3.1 | 3.0 | 2.5 | 2.3 | 2.3 | 2.6 |
| Low Weight Births (<2,500 Grams) | | | | | | | |
| Number | 6,013 | 6,007 | 5,972 | 5,860 | 5,917 | 5,927 | 5,937 |
| Percent | 8.8 | 9.0 | 9.0 | 9.1 | 9.4 | 9.4 | 9.2 |
| Prenatal Care Later Than 1st Trimester/No Care | | | | | | | |
| Number | 14,980 | 12,742 | 11,892 | 11,180 | 10,427 | 10,234 | 11,295 |
| Percent | 22.3 | 19.9 | 18.6 | 18.1 | 17.5 | 17.2 | 18.3 |
| Births to Unmarried Women | | | | | | | |
| Number | 17,217 | 15,334 | 15,153 | 14,631 | 14,656 | 14,836 | 14,922 |
| Percent | 25.1 | 23.0 | 22.7 | 22.7 | 23.3 | 23.6 | 23.1 |
| Mother's Education <12 Years | | | | | | | |
| Number | 13,453 | 8,102 | 7,727 | 7,364 | 6,756 | 6,650 | 7,320 |
| Percent | 19.8 | 12.3 | 11.7 | 11.6 | 10.9 | 10.7 | 11.5 |
| Infant Deaths | | | | | | | |
| Number | 429 | 309 | 321 | 290 | 296 | 305 | 304 |
| Rate | 6.3 | 4.6 | 4.8 | 4.5 | 4.7 | 4.9 | 4.7 |
| Neonatal Deaths | | | | | | | |
| Number | 288 | 230 | 217 | 195 | 206 | 193 | 208 |
| Rate | 4.2 | 3.5 | 3.3 | 3.0 | 3.3 | 3.1 | 3.2 |
| Total Deaths | | | | | | | |
| Number | 31,132 | 36,353 | 37,488 | 37,996 | 38,451 | 39,313 | 37,920 |
| Crude Rate | 625.6 | 666.7 | 676.5 | 676.7 | 675.2 | 682.3 | 675.5 |
| Age-Adjusted Rate | 675.4 | 663.0 | 665.1 | 653.1 | 641.8 | 637.2 | 651.4 |
| Cardiovascular Disease | | | | | | | |
| Number | 8,253 | 9,563 | 9,813 | 9,662 | 10,047 | 10,393 | 9,896 |
| Age-Adjusted Rate | 181.5 | 175.6 | 174.7 | 166.4 | 167.9 | 168.9 | 170.6 |
| Heart Disease | | | | | | | |
| Number | 6,083 | 7,002 | 7,243 | 7,035 | 7,336 | 7,673 | 7,258 |
| Age-Adjusted Rate | 133.0 | 127.8 | 128.4 | 120.3 | 121.8 | 124.1 | 124.4 |
| 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, 2009, 2015-2019

| | 2009 | 2015 | 2016 | 2017 | 2018 | 2019 | 2015-2019 Annual Average |
|------------------------------------|-------|-------|-------|-------|-------|-------|-----------------------------|
| Number | 1,529 | 1,857 | 1,925 | 1,980 | 1,992 | 1,972 | 1,945 |
| Age-Adjusted Rate | 34.2 | 34.7 | 34.9 | 35.0 | 34.0 | 32.7 | 34.2 |
| Malignant Neoplasms | | | | | | | |
| Number | 6,938 | 7,597 | 7,926 | 7,812 | 7,804 | 7,920 | 7,812 |
| Age-Adjusted Rate | 150.0 | 134.1 | 136.6 | 129.3 | 126.2 | 123.5 | 129.7 |
| Lung Cancer | | | | | | | |
| Number | 1,639 | 1,543 | 1,590 | 1,493 | 1,406 | 1,468 | 1,500 |
| Age-Adjusted Rate | 36.0 | 27.4 | 27.5 | 24.6 | 22.7 | 22.8 | 24.9 |
| Breast Cancer | | | | | | | |
| Number | 512 | 585 | 618 | 638 | 600 | 610 | 610 |
| Age-Adjusted Rate | 10.7 | 10.3 | 10.6 | 10.5 | 9.7 | 9.5 | 10.1 |
| Total Unintentional Injuries | | | | | | | |
| Number | 2,141 | 2,724 | 2,838 | 3,029 | 3,006 | 3,016 | 2,923 |
| Age-Adjusted Rate | 43.8 | 49.6 | 50.3 | 53.0 | 51.2 | 50.4 | 50.9 |
| Motor Vehicle | | | | | | | |
| Number | 553 | 586 | 627 | 672 | 659 | 612 | 631 |
| Age-Adjusted Rate | 11.1 | 10.4 | 10.9 | 11.6 | 11.2 | 10.2 | 10.9 |
| Other Unintentional Injuries | | | | | | | |
| Number | 1,588 | 2,138 | 2,211 | 2,357 | 2,347 | 2,404 | 2,291 |
| Age-Adjusted Rate | 32.7 | 39.2 | 39.4 | 41.4 | 40.0 | 40.2 | 40.0 |
| Chronic Lower Respiratory Diseases | | | | | | | |
| Number | 2,072 | 2,576 | 2,573 | 2,598 | 2,630 | 2,506 | 2,577 |
| Age-Adjusted Rate | 47.0 | 47.7 | 46.1 | 44.8 | 43.3 | 40.0 | 44.2 |
| Suicide | | | | | | | |
| Number | 940 | 1,093 | 1,156 | 1,175 | 1,271 | 1,287 | 1,196 |
| Age-Adjusted Rate | 18.6 | 19.5 | 20.2 | 20.2 | 21.7 | 21.6 | 20.6 |
| Homicide and Legal Intervention | | | | | | | |
| Number | 198 | 216 | 251 | 279 | 288 | 271 | 261 |
| Age-Adjusted Rate | 4.0 | 3.9 | 4.6 | 4.9 | 5.1 | 4.6 | 4.6 |
| Work-Related Injury | | | | | | | |
| Number | 67 | 64 | 74 | 72 | 75 | 86 | 74 |
| Age-Adjusted Rate | 1.3 | 1.1 | 1.3 | 1.2 | 1.3 | 1.4 | 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.

Deaths, crude death rates and age-adjusted death rates with 95% confidence limits from selected causes: Colorado residents, 2019

| Cause of Death | N | Crude Rate | Age-Adjusted Rate | Lower Limit | Upper Limit |
|---------------------------------------------------|--------|------------|----------------------|----------------|----------------|
| All Causes | 39,313 | 682.3 | 637.2 | 631.0 | 643.4 |
| Cardiovascular Disease | 10,393 | 180.4 | 168.9 | 165.6 | 172.1 |
| Heart Disease | 7,673 | 133.2 | 124.1 | 121.3 | 126.8 |
| Cerebrovascular Disease | 1,972 | 34.2 | 32.7 | 31.3 | 34.2 |
| Atherosclerosis | 75 | 1.3 | 1.2 | 0.9 | 1.5 |
| Malignant Neoplasms | 7,920 | 137.5 | 123.5 | 120.7 | 126.2 |
| Lung Cancer | 1,468 | 25.5 | 22.8 | 21.6 | 24.0 |
| Breast Cancer | 610 | 10.6 | 9.5 | 8.7 | 10.2 |
| Chronic Lower Respiratory Diseases | 2,506 | 43.5 | 40.0 | 38.4 | 41.6 |
| Unintentional Injuries | 3,016 | 52.3 | 50.4 | 48.6 | 52.2 |
| Motor Vehicle | 612 | 10.6 | 10.2 | 9.3 | 11.0 |
| Other Unintentional Injuries | 2,387 | 41.4 | 40.0 | 38.3 | 41.6 |
| Pneumonia and Influenza | 461 | 8.0 | 7.5 | 6.8 | 8.2 |
| Suicide | 1,287 | 22.3 | 21.6 | 20.4 | 22.8 |
| Diabetes Mellitus | 1,044 | 18.1 | 16.2 | 15.2 | 17.2 |
| HIV Infection | 40 | 0.7 | 0.6 | 0.4 | 0.8 |
| Chronic Liver Disease and Cirrhosis | 953 | 16.5 | 14.8 | 13.8 | 15.7 |
| Alzheimer's Disease | 1,896 | 32.9 | 32.3 | 30.9 | 33.8 |
| Nephritis, Nephrosis, Nephrotic Syndrome | 494 | 8.6 | 8.0 | 7.3 | 8.7 |
| Homicide and Legal Intervention | 271 | 4.7 | 4.6 | 4.1 | 5.2 |
| Septicemia | 407 | 7.1 | 6.4 | 5.8 | 7.0 |
| Congenital Anomalies | 145 | 2.5 | 2.7 | 2.3 | 3.1 |
| Perinatal Period Conditions | 156 | 2.7 | 3.4 | 2.9 | 3.9 |
| All Other | 8,324 | 144.5 | 136.2 | 133.3 | 139.2 |
| Injury by Firearm | 836 | 14.5 | 14.0 | 13.0 | 15.0 |
| Drug-Induced Deaths | 1,100 | 19.1 | 18.4 | 17.3 | 19.5 |
| Alcohol-Induced Deaths | 1,162 | 20.2 | 18.2 | 17.1 | 19.3 |
| Work-Related Injury (Y/N Check Death Certificate) | 86 | 1.5 | 1.4 | 1.1 | 1.7 |

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.

^{*} indicates one or two events in the category. Rates are deaths per 100,000 population. Crude death rates are calculated without age-adjustment.

Deaths and age-specific death rates from selected causes: Colorado residents, 2019

| | | <1 | 1 | -14 | 15 | 5-24 | 25 | 5-44 | 45 | 5-64 | 6. | 5+ |
|---------------------------------------------------|-----|------|-----|------|-----|------|-------|------|-------|------|--------|------|
| Cause of Death | N | Rate | N | Rate | N | Rate | N | Rate | N | Rate | N | Rate |
| All Causes | 305 | 4.9 | 138 | 0.1 | 582 | 0.7 | 2,468 | 1.5 | 7,447 | 5.2 | 28,373 | 33.6 |
| Cardiovascular Disease | 4 | 0.1 | 7 | 0.0 | 12 | 0.0 | 205 | 0.1 | 1,561 | 1.1 | 8,604 | 10.2 |
| Heart Disease | 4 | 0.1 | 3 | 0.0 | 10 | 0.0 | 169 | 0.1 | 1,258 | 0.9 | 6,229 | 7.4 |
| Cerebrovascular Disease | 0 | 0.0 | 4 | 0.0 | * | * | 24 | 0.0 | 193 | 0.1 | 1,750 | 2.1 |
| Atherosclerosis | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | * | * | 74 | 0.1 |
| Malignant Neoplasms | * | * | 18 | 0.0 | 22 | 0.0 | 212 | 0.1 | 1,845 | 1.3 | 5,821 | 6.9 |
| Lung Cancer | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 9 | 0.0 | 292 | 0.2 | 1,167 | 1.4 |
| Breast Cancer | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 33 | 0.0 | 178 | 0.1 | 399 | 0.5 |
| Chronic Lower Respiratory Diseases | 0 | 0.0 | * | * | 4 | 0.0 | 14 | 0.0 | 324 | 0.2 | 2,163 | 2.6 |
| Unintentional Injuries | 36 | 0.6 | 27 | 0.0 | 215 | 0.3 | 782 | 0.5 | 751 | 0.5 | 1,205 | 1.4 |
| Motor Vehicle | 0 | 0.0 | 17 | 0.0 | 108 | 0.1 | 196 | 0.1 | 173 | 0.1 | 118 | 0.1 |
| Other Unintentional Injuries | 36 | 0.6 | 10 | 0.0 | 107 | 0.1 | 586 | 0.4 | 578 | 0.4 | 1,087 | 1.3 |
| Pneumonia and Influenza | 4 | 0.1 | 5 | 0.0 | * | * | 20 | 0.0 | 95 | 0.1 | 336 | 0.4 |
| Suicide | 0 | 0.0 | 20 | 0.0 | 181 | 0.2 | 489 | 0.3 | 405 | 0.3 | 192 | 0.2 |
| Diabetes Mellitus | 0 | 0.0 | * | * | 4 | 0.0 | 35 | 0.0 | 257 | 0.2 | 747 | 0.9 |
| HIV Infection | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 7 | 0.0 | 23 | 0.0 | 10 | 0.0 |
| Chronic Liver Disease and Cirrhosis | 0 | 0.0 | 0 | 0.0 | * | * | 144 | 0.1 | 514 | 0.4 | 294 | 0.3 |
| Alzheimer's Disease | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 20 | 0.0 | 1,876 | 2.2 |
| Nephritis, Nephrosis, Nephrotic Syndrome | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 7 | 0.0 | 64 | 0.0 | 423 | 0.5 |
| Homicide and Legal Intervention | * | * | 8 | 0.0 | 64 | 0.1 | 111 | 0.1 | 76 | 0.1 | 11 | 0.0 |
| Septicemia | * | * | * | * | * | * | 10 | 0.0 | 84 | 0.1 | 309 | 0.4 |
| Congenital Anomalies | 59 | 0.9 | 12 | 0.0 | 10 | 0.0 | 8 | 0.0 | 36 | 0.0 | 20 | 0.0 |
| Perinatal Period Conditions | 153 | 2.4 | * | * | * | * | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| All Other | 45 | 0.7 | 35 | 0.0 | 66 | 0.1 | 424 | 0.3 | 1,392 | 1.0 | 6,362 | 7.5 |
| Injury by Firearm | 0 | 0.0 | 10 | 0.0 | 147 | 0.2 | 307 | 0.2 | 234 | 0.2 | 138 | 0.2 |
| Drug-Induced Deaths | * | * | 5 | 0.0 | 97 | 0.1 | 508 | 0.3 | 410 | 0.3 | 79 | 0.1 |
| Alcohol-Induced Deaths | 0 | 0.0 | 0 | 0.0 | 9 | 0.0 | 241 | 0.1 | 672 | 0.5 | 240 | 0.3 |
| Work-Related Injury (Y/N Check Death Certificate) | 0 | 0.0 | 0 | 0.0 | 3 | 0.0 | 33 | 0.0 | 35 | 0.0 | 15 | 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, 2019

| Cause of Death | All Ra | aces | Wh Non-Hi | | Wh Hisp | | Bla | ick | Asi Americar Islaı | 1/Pacific | Amer Indian/ Alas | Native |
|---------------------------------------------|--------|-------|--------------|-------|------------|-------|-------|-------|--------------------------|-----------|-------------------------|--------|
| | N | % | N | % | N | % | N | % | N | % | N | % |
| Total | 39,313 | 100.0 | 30,868 | 100.0 | 4,501 | 100.0 | 1,653 | 100.0 | 653 | 100.0 | 409 | 100.0 |
| Cardiovascular Disease | 10,393 | 26.4 | 8,479 | 27.5 | 945 | 21.0 | 457 | 27.6 | 171 | 26.2 | 85 | 20.8 |
| Heart Disease | 7,673 | 19.5 | 6,296 | 20.4 | 689 | 15.3 | 329 | 19.9 | 106 | 16.2 | 65 | 15.9 |
| Cerebrovascular Disease | 1,972 | 5.0 | 1,595 | 5.2 | 188 | 4.2 | 84 | 5.1 | 48 | 7.4 | 11 | 2.7 |
| Atherosclerosis | 75 | 0.2 | 61 | 0.2 | 7 | 0.2 | 3 | 0.2 | 0 | 0.0 | * | * |
| Malignant Neoplasms | 7,920 | 20.1 | 6,337 | 20.5 | 864 | 19.2 | 287 | 17.4 | 160 | 24.5 | 65 | 15.9 |
| Lung Cancer | 1,468 | 3.7 | 1,203 | 3.9 | 134 | 3.0 | 51 | 3.1 | 37 | 5.7 | 10 | 2.4 |
| Breast Cancer | 610 | 1.6 | 489 | 1.6 | 60 | 1.3 | 25 | 1.5 | 10 | 1.5 | 8 | 2.0 |
| Chronic Lower Respiratory Disease | 2,506 | 6.4 | 2,204 | 7.1 | 167 | 3.7 | 64 | 3.9 | 14 | 2.1 | 16 | 3.9 |
| Unintentional Injuries | 3,016 | 7.7 | 2,167 | 7.0 | 503 | 11.2 | 135 | 8.2 | 50 | 7.7 | 55 | 13.4 |
| Motor Vehicle | 612 | 1.6 | 380 | 1.2 | 148 | 3.3 | 31 | 1.9 | 10 | 1.5 | 5 | 1.2 |
| Other Unintentional Injuries | 2,404 | 6.1 | 1,787 | 5.8 | 355 | 7.9 | 104 | 6.3 | 40 | 6.1 | 50 | 12.2 |
| Pneumonia and Influenza | 461 | 1.2 | 364 | 1.2 | 55 | 1.2 | 20 | 1.2 | 5 | 0.8 | 4 | 1.0 |
| Suicide | 1,287 | 3.3 | 977 | 3.2 | 180 | 4.0 | 41 | 2.5 | 23 | 3.5 | 19 | 4.6 |
| Diabetes Mellitus | 1,044 | 2.7 | 706 | 2.3 | 194 | 4.3 | 78 | 4.7 | 19 | 2.9 | 18 | 4.4 |
| HIV Infection | 40 | 0.1 | 24 | 0.1 | 7 | 0.2 | 7 | 0.4 | * | * | 0 | 0.0 |
| Chronic Liver Disease and Cirrhosis | 953 | 2.4 | 600 | 1.9 | 234 | 5.2 | 22 | 1.3 | 11 | 1.7 | 41 | 10.0 |
| Alzheimer's Disease | 1,896 | 4.8 | 1,643 | 5.3 | 128 | 2.8 | 53 | 3.2 | 34 | 5.2 | 6 | 1.5 |
| Nephritis, Nephrosis, Nephrotic Syndrome | 494 | 1.3 | 347 | 1.1 | 86 | 1.9 | 30 | 1.8 | 14 | 2.1 | 7 | 1.7 |
| Homicide and Legal Intervention | 271 | 0.7 | 107 | 0.3 | 79 | 1.8 | 56 | 3.4 | 8 | 1.2 | 4 | 1.0 |
| Septicemia | 407 | 1.0 | 314 | 1.0 | 52 | 1.2 | 18 | 1.1 | 8 | 1.2 | 5 | 1.2 |
| Congenital Anomalies | 145 | 0.4 | 75 | 0.2 | 45 | 1.0 | 14 | 0.8 | 3 | 0.5 | 0 | 0.0 |
| Perinatal Period Conditions | 156 | 0.4 | 67 | 0.2 | 48 | 1.1 | 22 | 1.3 | 10 | 1.5 | 3 | 0.7 |
| All Other | 8,324 | 21.2 | 6,457 | 20.9 | 914 | 20.3 | 349 | 21.1 | 122 | 18.7 | 81 | 19.8 |
| | 836 | 2.1 | 612 | 2.0 | 114 | 2.5 | 58 | 3.5 | 10 | 1.5 | 9 | 2.2 |
| Drug-Induced Deaths | 1,100 | 2.1 | 730 | 2.4 | 217 | 4.8 | 75 | 4.5 | 14 | 2.1 | 21 | 5.1 |
| Alcohol-Induced Deaths | 1,162 | 3.0 | 781 | 2.4 | 237 | 5.3 | 44 | 2.7 | 11 | 1.7 | 44 | 10.8 |
| Work-Related Injury (Y/N | 1,102 | 3.0 | 701 | ۷. ک | 231 | ٥.٥ | 74 | 2.7 | 11 | 1./ | 44 | 10.0 |
| Check Death Certificate) | 86 | 0.2 | 57 | 0.2 | 18 | 0.4 | * | * | 3 | 0.5 | * | * |

^{*} 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, 2019

| 6 (5) | <10 | % | 10-19 | 9.9% | 20-29 | 9.9% | 30° | %+ | Unkr | iown |
|---------------------------------------------------|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| Cause of Death | N | % | N | % | N | % | N | % | N | % |
| Total | 18,868 | 100.0 | 12,807 | 100.0 | 4,371 | 100.0 | 1,756 | 100.0 | 1,511 | 100.0 |
| Cardiovascular Disease | 5,071 | 26.9 | 3,370 | 26.3 | 1,163 | 26.6 | 427 | 24.3 | 362 | 24.0 |
| Heart Disease | 3,709 | 19.7 | 2,517 | 19.7 | 862 | 19.7 | 313 | 17.8 | 272 | 18.0 |
| Cerebrovascular Disease | 1,028 | 5.4 | 604 | 4.7 | 215 | 4.9 | 69 | 3.9 | 56 | 3.7 |
| Atherosclerosis | 36 | 0.2 | 24 | 0.2 | 6 | 0.1 | 4 | 0.2 | 5 | 0.3 |
| Malignant Neoplasms | 4,078 | 21.6 | 2,501 | 19.5 | 797 | 18.2 | 301 | 17.1 | 243 | 16.1 |
| Lung Cancer | 711 | 3.8 | 497 | 3.9 | 151 | 3.5 | 59 | 3.4 | 50 | 3.3 |
| Breast Cancer | 322 | 1.7 | 194 | 1.5 | 50 | 1.1 | 23 | 1.3 | 21 | 1.4 |
| Chronic Lower Respiratory Disease | 1,031 | 5.5 | 926 | 7.2 | 341 | 7.8 | 131 | 7.5 | 77 | 5.1 |
| Unintentional Injuries | 1,332 | 7.1 | 1,006 | 7.9 | 343 | 7.8 | 139 | 7.9 | 196 | 13.0 |
| Motor Vehicle | 265 | 1.4 | 214 | 1.7 | 60 | 1.4 | 24 | 1.4 | 49 | 3.2 |
| Other Unintentional Injuries | 1,067 | 5.7 | 792 | 6.2 | 283 | 6.5 | 115 | 6.5 | 147 | 9.7 |
| Pneumonia and Influenza | 212 | 1.1 | 147 | 1.1 | 54 | 1.2 | 26 | 1.5 | 22 | 1.5 |
| Suicide | 625 | 3.3 | 378 | 3.0 | 128 | 2.9 | 74 | 4.2 | 82 | 5.4 |
| Diabetes Mellitus | 434 | 2.3 | 360 | 2.8 | 150 | 3.4 | 64 | 3.6 | 36 | 2.4 |
| HIV Infection | 11 | 0.1 | 18 | 0.1 | 6 | 0.1 | * | * | 3 | 0.2 |
| Chronic Liver Disease and Cirrhosis | 369 | 2.0 | 343 | 2.7 | 121 | 2.8 | 71 | 4.0 | 49 | 3.2 |
| Alzheimer's Disease | 1,084 | 5.7 | 554 | 4.3 | 156 | 3.6 | 61 | 3.5 | 41 | 2.7 |
| Nephritis, Nephrosis, Nephrotic Syndrome | 222 | 1.2 | 165 | 1.3 | 67 | 1.5 | 28 | 1.6 | 12 | 0.8 |
| Homicide and Legal Intervention | 82 | 0.4 | 117 | 0.9 | 42 | 1.0 | 17 | 1.0 | 13 | 0.9 |
| Septicemia | 179 | 0.9 | 140 | 1.1 | 50 | 1.1 | 21 | 1.2 | 17 | 1.1 |
| Congenital Anomalies | 49 | 0.3 | 52 | 0.4 | 28 | 0.6 | 8 | 0.5 | 8 | 0.5 |
| Perinatal Period Conditions | 67 | 0.4 | 60 | 0.5 | 20 | 0.5 | 6 | 0.3 | 3 | 0.2 |
| All Other | 4,022 | 21.3 | 2,670 | 20.8 | 905 | 20.7 | 380 | 21.6 | 347 | 23.0 |
| | | | | | | | | | | |
| Injury by Firearm | 395 | 2.1 | 266 | 2.1 | 88 | 2.0 | 41 | 2.3 | 46 | 3.0 |
| Drug-Induced Deaths | 403 | 2.1 | 370 | 2.9 | 151 | 3.5 | 79 | 4.5 | 97 | 6.4 |
| Alcohol-Induced Deaths | 437 | 2.3 | 446 | 3.5 | 137 | 3.1 | 81 | 4.6 | 61 | 4.0 |
| Work-Related Injury (Y/N Check Death Certificate) | 35 | 0.2 | 33 | 0.3 | 13 | 0.3 | 3 | 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 2018 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.

Percentages are of total deaths of each race/ethnicity category.

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

^{*} indicates one or two events in the category.

Deaths and age-specific death rates: Colorado residents, 2019

| Age Group | Deaths | Population | Age-Specific Death Rate |
|--------------|--------|------------|----------------------------|
| | | | |
| All Ages | 39,313 | 5,761,907 | 6.8 |
| | | | |
| Infant | 305 | 62,875 | 4.9 |
| Neonatal | 193 | 62,875 | 3.1 |
| 1-4 | 33 | 265,237 | 0.1 |
| 5-9 | 40 | 341,004 | 0.1 |
| 10-14 | 65 | 368,721 | 0.2 |
| 15-19 | 219 | 381,130 | 0.6 |
| 20-24 | 363 | 402,303 | 0.9 |
| 25-29 | 507 | 442,655 | 1.1 |
| 30-34 | 584 | 436,205 | 1.3 |
| 35-39 | 677 | 405,436 | 1.7 |
| 40-44 | 700 | 375,340 | 1.9 |
| 45-49 | 958 | 372,621 | 2.6 |
| 50-54 | 1,320 | 348,825 | 3.8 |
| 55-59 | 2,211 | 370,661 | 6.0 |
| 60-64 | 2,958 | 345,022 | 8.6 |
| 65-69 | 3,456 | 290,030 | 11.9 |
| 70-74 | 3,949 | 225,130 | 17.5 |
| 75-79 | 4,234 | 144,546 | 29.3 |
| 80-84 | 4,807 | 91,124 | 52.8 |
| 85+ | 11,927 | 92,782 | 128.5 |
| | | | |
| 1-14 | 138 | 974,962 | 0.1 |
| 15-24 | 582 | 783,433 | 0.7 |
| 25-64 | 9,915 | 3,096,766 | 3.2 |
| 65+ | 28,373 | 843,612 | 33.6 |

^{*} 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.

References:

- ¹ National Center for Health Statistics. 2003 revision of the U.S. Standard Certificate of Live Birth. 2003. Available from: http://www.cdc.gov/nchs/vital_certs_rev.htm.
- ² National Center for Health Statistics. Report of the Panel to Evaluate the U.S. Standard Certificates and Reports. National Center for Health Statistics. 2000. Available from: http://www.cdc.gov/nchs/data/dvs/panelreport_acc.pdf.
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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 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:

- ¹ Krieger N, Chen JT, Ebel G. *Can we monitor socioeconomic inequalities in health? A survey of U.S. health departments' data collection and reporting practices.* Public Health Reports. 1997 Nov-Dec; 112(6):481-91.
- ² Subramanian SV, Chen JT, Rehkopf DH, Waterman PD, Krieger N. *Comparing individual- and area-based socioeconomic measures for the surveillance of health disparities: A multilevel analysis of Massachusetts births*, 1989-1991. American Journal of Epidemiology. 2006 Nov 1; 164(9): 823-834.
- ³ Colorado Comprehensive Cancer Program. *Cancer & Poverty in Colorado: 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