

Washington County Trend Analysis, 2018
Progress Toward Healthy People 2020 Targets or Colorado 2020 Targets

| Maternal and Child Health Indicator (Sorted by 2018 Position Relative to 2020 Target) | Number of Years of Data | Healthy People 2020 or Colorado 2020 Target | MCH Data By Year* | | | | | Short Term Trend: 2014 to 2018 | Long Term Trend: Percent Change 2008 to 2018 | 2018 Position Relative to 2020 Target | |
|---|-------------------------|---|-------------------|------------------|------------------|------------------|------------------|--------------------------------|--|---------------------------------------|------------------|
| | | | 2008 | 2014 | 2015 | 2016 | 2017 | | | | 2018 |
| % cesarean deliveries among low-risk first births | 3 | 18.5% ^a | N/A | 32.4% | 30.3% | 30.3% | 17.8% | 11.6% | Improved | N/A | Meets target |
| % mothers who smoked 3 months before pregnancy | 1 | 12.2% | N/A | 21.9% | 20.5% | 13.6% | 10.5% | 9.3% | Improved | N/A | Meets target |
| Teen motor vehicle death rate ages 15-19 | 3 | 12.4 per 100,000 ^b | DS | DS | 0.0 | 0.0 | 0.0 | 0.0 | Improved | N/A | Meets target |
| % infants placed to sleep on their backs | 2 | 75.8% | N/A | 72% ^c | 76% ^c | 72% ^c | 70% ^c | 81% ^c | Mixed | N/A | Meets target |
| Postneonatal mortality rate | 5 | 2.0 per 1,000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | No real change | +0.0% | Meets target |
| Teen suicide death rate ages 15-19 | 5 | 10.2 per 100,000 ^b | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | No real change | +0.0% | Meets target |
| % infants who were ever breastfed | 2 | 84.5% ^a | 77% ^c | 89% ^c | 83% ^c | 79% ^c | 84% ^c | 88% ^c | Worse | N/A | Meets target |
| % children ages 6-11 physically active 60 min per day | 3 | 37.0% ^a | N/A | N/A | 61% ^c | DS | DS | 56% ^c | Cannot ascertain | N/A | Meets target |
| % children ages 1-14 with a medical home | 3 | 63.3% ^a | N/A | 53% ^c | 57% ^c | 61% ^c | 63% ^c | 60% ^c | Improved | N/A | Close to target |
| % mothers discussed what to do if depressed during/after pregnancy | 2 | 85.8% ^a | N/A | 66% ^c | 68% ^c | 71% ^c | 74% ^c | 70% ^c | Improved | N/A | Close to target |
| % births low birth weight | 3 | 7.8% | 6.9% | 5.7% | 6.8% | 7.5% | 10.3% | 8.4% | Worse | +21.7% | Close to target |
| % births preterm | 3 | 8.0% ^a | 6.9% | 4.9% | 8.6% | 11.7% | 11.0% | 9.0% | Worse | +30.4% | Close to target |
| Teen birth rate ages 15-17 | 3 | 10.0 per 1,000 ^a | 23.7 | DS | DS | 0.0 | DS | 10.7 | Cannot ascertain | -54.9% | Close to target |
| % very low birth weight births in Level IIIs | 5 | 83.7% | 100.0% | DS | 100.0% | 100.0% | 80.0% | 83.3% | Worse ^d | -16.7% | Close to target |
| % mothers overweight or obese before pregnancy | 1 | 38.0% ^a | N/A | 50.5% | 56.8% | 50.0% | 48.2% | 48.1% | Improved | N/A | At some distance |
| % mothers who smoked during pregnancy | 1 | 6.1% ^a | 12.8% | 18.8% | 18.2% | 13.6% | 8.8% | 9.3% | Improved | -27.3% | At some distance |
| % children ages 5-14 overweight or obese | 3 | 25.0% ^a | N/A | 20% ^c | 28% ^c | 43% ^c | 39% ^c | 32% ^c | Mixed | N/A | At some distance |
| % mothers with appropriate weight gain during pregnancy | 1 | 38.0% ^a | N/A | 43.8% | 29.6% | 34.1% | 28.7% | 26.9% | Worse | N/A | At some distance |
| % births very low birth weight | 3 | 1.4% | DS | DS | 2.6% | 3.3% | 2.8% | 1.9% | Mixed ^d | N/A | At some distance |
| Infant mortality rate | 5 | 6.0 per 1,000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | DS | Worse | N/A | Unknown |
| Motor vehicle death rate ages 0-14 | 3 | 12.4 per 100,000 ^b | DS | 0.0 | DS | DS | DS | DS | Worse | N/A | Unknown |
| Neonatal mortality rate | 5 | 4.1 per 1,000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | DS | Worse | N/A | Unknown |
| % children ages 1-5 w/ parents asked by provider to fill out child q'naire | 3 | 52.0% ^a | N/A | DS | DS | DS | DS | DS | Cannot ascertain | N/A | Unknown |
| % teens who were bullied in past year | 1 | 22.0% ^a | N/A | N/A | N/A | 22% ^c | 30% ^c | N/A | Cannot ascertain | N/A | Unknown |
| Injury hospitalization rate ages 10-19 | 3 | 226.9 ^a | 367.9 | 308.4 | 160.0 | DS | DS ^e | N/A | Cannot ascertain | N/A | Unknown |
| Perinatal mortality rate | 5 | 5.9 per 1,000 | 0.0 | DS | DS | DS | DS | DS | Cannot ascertain | N/A | Unknown |

^a Colorado 2020 target.

^b Healthy People targets are for all ages and are not specific to the age group shown.

^c Represents regional data

^d Short term trend is measured from 2015 to 2018.

^e Hospitalization data transitioned from ICD 9 to ICD 10 codes in October 2015; interpret 2017 data with caution.

N/A denotes data not available or applicable.

DS denotes data has been suppressed due to small sample size. Suppression criteria is unique to each data source.

Cells shaded in light blue represent survey data results which require greater change over time to be considered "Improved" or "Worse" compared to non-survey data.

* Refer to the accompanying data years table to determine the exact years for each value.

Additional Notes

Maternal and Child Health Indicator

Data are shown for indicators that have been included in the MCH County Data Sets for a number of years, or for new national or state MCH performance measures. Eight indicators are based on survey data available from the Pregnancy Risk Assessment Monitoring System, the Colorado Child Health Survey, and the Healthy Kids Colorado Survey: ever breastfed, infants placed to sleep on their backs, mothers discussed what to do if depressed, child development questionnaire, medical home, overweight or obese children, physically active children, and bullied teens. Data and short term trends for these indicators are lightly shaded. Most other indicators come from birth and death data, but some indicators (injury hospitalization) are derived from special registries or data sets. Refer to the *Definitions for Data in 2018 County Trend Analysis* handout for further explanation of each indicator.

Number of Years of Data

Indicators use one, two, three, or five years of data. For example, the 2018 teen motor vehicle death rate for ages 15-19 is based on three years of data (2014, 2015, and 2016).

Healthy People 2020 or Colorado 2020 Target

Every ten years, Healthy People sets targets for numerous public health objectives. For 2010 there were 467 separate objectives; for 2020, the number increased to nearly 600. While many 2010 objectives were retained for 2020, the targets for nearly all of them have changed, and the new targets are virtually all more modest than those set for 2010. For more information, visit: <http://www.healthypeople.gov/2020/default.aspx>. Colorado 2020 targets are used in place of Healthy People 2020 targets where available.

MCH Data by Year

Each year when a county trend analysis is released the most recent available data are presented. The years of data that are available differ among indicators. For example, the most recent data available for the teen motor vehicle death rate for ages 15-19 is from 2016. Because this measure is a three-year rate, data from 2014, 2015, and 2016 are presented under the 2018 heading. As a general rule, the values shown beneath a column heading reflect data from at least two years earlier. Refer to the accompanying data years table to determine the exact years for each value.

Short Term Trend: 2014 to 2018

Short term trends are categorized as "Improved," "Worse," "Mixed," or "No real change." For a variety of reasons, some trends cannot be determined and are shown as "Cannot ascertain." The labeling of the change between 2014 and 2018 (or other years as footnoted) may be somewhat arbitrary. Values based on survey data need relatively large changes to obtain "Improved" or "Worse" labels because percentages shown are estimates that have confidence intervals. Values based on full count data (births, deaths, registries) require smaller changes to obtain labels denoting change. The 2014 and 2018 data values usually contain data from the previous 5 years, 3 years, or 1 year, so the trends described reflect changes in the data that are reported in the MCH Trend Analysis for 2014 and 2018, and do not represent changes that actually occurred between 2014 and 2018.

Long Term Trend: Percent Change 2008 to 2018

Long term trends are presented when data are available and comparable between 2008 and 2018. The percent change is the difference between the old and new estimates divided by the old estimate. The result is multiplied by 100 to yield a percent. The percent change is how much the measure has increased (+%) or decreased (-%) over the ten-year period. The 2008 and 2018 data values usually contain data from the previous 5 years, 3 years, or 1 year (infants placed to sleep on their backs, infants ever breastfeed, and mothers who discussed what to do if depressed during/after pregnancy contain data from 2 years), so the trends described reflect changes in the data that are reported in the MCH County Data Sets for 2008 and in the MCH Trend Analysis for 2018 and do not represent changes that actually occurred between 2008 and 2018.

2018 Position Relative to 2020 Target

"Meets target" indicates that the value shown in the MCH Trend Analysis released in 2018 is the same or better than the target. "Close to target" indicates that the value is within 20 percent of the target. "At some distance" describes values that are more than 20 percent away from the target, but are less than double the target for indicators requiring a decrease and are up to half the target for indicators requiring an increase. "Far from target" indicates a value that is either double or half the HP 2020 target, depending on whether the indicator requires a decrease or an increase. The values shown in 2018 are compared to the HP 2020 targets or the Colorado 2020 targets; see footnotes.

Washington County Trend Analysis, 2018

Data Years

| Maternal and Child Health Indicator | Number of Years of Data | MCH Data By Year | | | | | |
|--|-------------------------|------------------|-----------|-----------|-----------|-----------|-----------|
| | | 2008 | 2014 | 2015 | 2016 | 2017 | 2018 |
| % cesarean deliveries among low-risk first births | 3 | N/A | 2010-2012 | 2011-2013 | 2012-2014 | 2013-2015 | 2014-2016 |
| % mothers who smoked 3 months before pregnancy | 1 | N/A | 2012 | 2013 | 2014 | 2015 | 2016 |
| Teen motor vehicle death rate ages 15-19 | 3 | 2004-2006 | 2010-2012 | 2011-2013 | 2012-2014 | 2013-2015 | 2014-2016 |
| % infants placed to sleep on their backs | 2 | N/A | 2011-2012 | 2012-2013 | 2013-2014 | 2014-2015 | 2015-2016 |
| Postneonatal mortality rate | 5 | 2002-2006 | 2008-2012 | 2009-2013 | 2010-2014 | 2011-2015 | 2012-2016 |
| Teen suicide death rate ages 15-19 | 5 | 2002-2006 | 2008-2012 | 2009-2013 | 2010-2014 | 2011-2015 | 2012-2016 |
| % infants who were ever breastfed | 2 | 2005-2006 | 2011-2012 | 2012-2013 | 2013-2014 | 2014-2015 | 2015-2016 |
| % children ages 6-11 physically active 60 min per day | 3 | N/A | N/A | 2011-2013 | 2012-2014 | 2013-2015 | 2014-2016 |
| % children ages 1-14 with a medical home | 3 | N/A | 2010-2012 | 2011-2013 | 2012-2014 | 2013-2015 | 2014-2016 |
| % mothers discussed what to do if depressed during/after pregnancy | 2 | N/A | 2011-2012 | 2012-2013 | 2013-2014 | 2014-2015 | 2015-2016 |
| % births low birth weight | 3 | 2004-2006 | 2010-2012 | 2011-2013 | 2012-2014 | 2013-2015 | 2014-2016 |
| % births preterm | 3 | 2004-2006 | 2010-2012 | 2011-2013 | 2012-2014 | 2013-2015 | 2014-2016 |
| Teen birth rate ages 15-17 | 3 | 2004-2006 | 2010-2012 | 2011-2013 | 2012-2014 | 2013-2015 | 2014-2016 |
| % very low birth weight births in Level IIIs | 5 | 2002-2006 | 2008-2012 | 2009-2013 | 2010-2014 | 2011-2015 | 2012-2016 |
| % mothers overweight or obese before pregnancy | 1 | N/A | 2012 | 2013 | 2014 | 2015 | 2016 |
| % mothers who smoked during pregnancy | 1 | 2006 | 2012 | 2013 | 2014 | 2015 | 2016 |
| % children ages 5-14 overweight or obese | 3 | N/A | 2010-2012 | 2011-2013 | 2012-2014 | 2013-2015 | 2014-2016 |
| % mothers with appropriate weight gain during pregnancy | 1 | N/A | 2012 | 2013 | 2014 | 2015 | 2016 |
| % births very low birth weight | 3 | 2004-2006 | 2010-2012 | 2011-2013 | 2012-2014 | 2013-2015 | 2014-2016 |
| Infant mortality rate | 5 | 2002-2006 | 2008-2012 | 2009-2013 | 2010-2014 | 2011-2015 | 2012-2016 |
| Motor vehicle death rate ages 0-14 | 3 | 2004-2006 | 2010-2012 | 2011-2013 | 2012-2014 | 2013-2015 | 2014-2016 |
| Neonatal mortality rate | 5 | 2002-2006 | 2008-2012 | 2009-2013 | 2010-2014 | 2011-2015 | 2012-2016 |
| % children ages 1-5 w/ parents asked by provider to fill out child q'naire | 3 | N/A | 2010-2012 | 2011-2013 | 2012-2014 | 2013-2015 | 2014-2016 |
| % teens who were bullied in past year | 1 | N/A | N/A | N/A | 2013 | 2015 | N/A |
| Injury hospitalization rate ages 10-19 | 3 | 2004-2006 | 2010-2012 | 2011-2013 | 2012-2014 | 2013-2015 | N/A |
| Perinatal mortality rate | 5 | 2002-2006 | 2008-2012 | 2009-2013 | 2010-2014 | 2011-2015 | 2012-2016 |