Washington County Trend Analysis, 2015
Progress Toward Healthy People 2020 Targets or Colorado 2020 Targets

Maternal and Child Health Indicator (Sorted by 2015 Position Relative to 2020 Target)	Number of Years of Data	Healthy People 2020 or Colorado 2020 Target	MCH Data By Year*						Short Term Trend: 2011 to 2015	Long Term Trend: Percent Change 2005 to 2015	2015 Position Relative to 2020 Target
			2005	2011	2012	2013	2014	2015			
Teen motor vehicle death rate ages 15-19	3	12.4 per 100,000[a]	332.8	0.0	DS	DS	DS	0.0	Mixed	-100.0%	Meets target
Infant mortality rate	5	6.0 per 1,000	DS	0.0	0.0	0.0	0.0	0.0	No change	N/A	Meets target
Neonatal mortality rate	5	4.1 per 1,000	0.0	0.0	0.0	0.0	0.0	0.0	No change	+0.0%	Meets target
Postneonatal mortality rate	5	2.0 per 1,000	DS	0.0	0.0	0.0	0.0	0.0	No change	N/A	Meets target
Teen suicide death rate ages 15-19	5	10.2 per 100,000[a]	0.0	0.0	0.0	0.0	0.0	0.0	No change	+0.0%	Meets target
% births low birth weight	3	7.8%	5.3%	5.2%	6.9%	5.2%	5.7%	6.8%	Worse	+28.3%	Meets target
Teen injury hospitalization rate ages 15-19	5	555.8 per 100,000[a]	N/A	429.7	541.9	595.9	608.3	444.3	Worse	N/A	Meets target
% very low birth weight births in Level IIIs	5	83.7%	DS	DS	DS	N/A	DS	100.0%	Cannot ascertain	N/A	Meets target
% infants placed to sleep on their backs	2	75.9%	N/A	72%[c]	76%[c]	74%[c]	72%[c]	N/A[d]	No real change[e]	N/A	Close to target[f]
% children ages 1-14 with a medical home	3	63.3%	N/A	N/A	N/A	N/A	53%[c]	57%[c]	N/A	N/A	Close to target
% mothers gained appropriate weight during pregnancy	1	38.0%[b]	N/A	22.7%	18.8%	24.4%[g]	43.8%[g]	29.6%[g]	Improved[h]	N/A	At some distance
% mothers who smoked 3 months before pregnancy	1	14.6%	N/A	20.5%	24.5%	12.2%	21.9%	20.5%	Mixed	N/A	At some distance
% births unintended	5	33.0%[b]	45%[c]	47%[c]	46%[c]	46%[c]	48%[c]	N/A[d]	No real change[e]	N/A	At some distance[f]
% children ages 2-14 overweight or obese	2	25.0%[b]	N/A	44%[c]	30%[c]	19%[c,i]	23%[c,i]	44%[c,i]	Worse[h]	N/A	At some distance
% mothers overweight or obese before pregnancy	1	38.0%[b]	N/A	43.2%	50.0%	46.3%[g]	50.5%[g]	56.8%[g]	Worse[h]	N/A	At some distance
% births very low birth weight	3	1.4%	DS	DS	DS	0.0%	DS	2.6%	Cannot ascertain	N/A	At some distance
% mothers who smoked during last 3 months of pregnancy	1	1.4%[j]	N/A	18.2%	24.5%	12.2%	18.8%	18.2%	Mixed	N/A	Far from target
Motor vehicle death rate ages 0-14	3	12.4 per 100,000[a]	100.3	0.0	0.0	0.0	0.0	DS	Worse	N/A	Far from target
% EIC referrals from targeted screening sources	1	N/A	N/A	9.5%[c]	9.7%[c]	4.2%[c]	20.0%[c]	20.7%[c]	Improved	N/A	N/A
Medicaid dental % served	1	N/A	27.1%[c,k]	43.6%	43.3%	41.1%	27.9%	37.6%	Worse	N/A	N/A
% children whose parents did child development q'naire ages 1-5	3	50.0%[b]	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Perinatal mortality rate	5	5.9 per 1,000	DS	0.0	0.0	DS	DS	DS	Worse	N/A	Unknown
Teen fertility rate ages 15-17	3	10.0 per 1,000[b]	DS	15.0	14.2	15.4	DS	DS	Cannot ascertain	N/A	Unknown

N/A denotes data not available or applicable.
DS indicates data are suppressed for confidentiality when there are 1 or 2 events.
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.
[a] Healthy People targets are for all ages and are not specific to the age group shown.
[b] Colorado 2020 target.
[c] Represents regional data.
[d] 2013 PRAMS data were not available at the time the trend analysis was created.

[e] Short term trend is measured from 2011 to 2014.
[f] Position relative to 2020 target is based on the data reported in 2014, not 2015.
[g] Changed to revised 2009 IOM weight gain recommendations.
[h] Short term trend is measured from 2013 to 2015.
[i] Changes were made to the sampling and weighting methodology of the Child Health Survey. Comparisons should be made between 2012 and earlier and 2013 and later.
[j] HP 2020 target is for women who smoked during pregnancy, not only during the last three months.
[k] 2005 shows different age group from later years.

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. Five indicators are based on survey data available from the Colorado Child Health Survey and the Pregnancy Risk Assessment Monitoring System: child development questionnaire, medical home, overweight or obese children, infants placed to sleep on their backs, and unintended births. 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, Medicaid dental served, EIC referrals) are derived from special registries or data sets. Refer to the *Definitions for Data in 2015 County Trend Analysis* handout for futher explanation of each indicator.

Number of Years of Data

Indicators use one, two, three, or five years of data. For example, the 2015 teen motor vehicle death rate for ages 15-19 is based on three years of data (2011, 2012, and 2013). Refer to the accompanying data years table handout for number of years of data for each indicator.

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 2013. Because this measure is a three-year rate, data from 2011, 2012, and 2013 are presented under the 2015 heading. For Medicaid dental served, more recent data are available, so state fiscal year 2014 data are presented under the 2015. 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: 2011 to 2015

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 2011 and 2015 (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 2011 and 2015 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 County Data Sets for 2011 and in the MCH Trend Analysis for 2015, and do not represent changes that actually occurred between 2011 and 2015.

Long Term Trend: Percent Change 2005 to 2015

Long term trends are presented when data are available and comparable between 2005 and 2015. 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 2005 and 2015 data values usually contain data from the previous 5 years, 3 years, or 1 year (children overweight or obese and infants placed to sleep on their backs contain data from 2 years), so the trends described reflect changes in the data that are reported in the MCH County Data Sets for 2005 and in the MCH Trend Analysis for 2015 and do not represent changes that actually occurred between 2005 and 2015.

2015 Position Relative to 2020 Target

"Meets target" indicates that the value shown in the MCH Trend Analysis released in 2015 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 2015 are compared to the HP 2020 targets or the Colorado 2020 targets; see footnotes.

Washington County Trend Analysis, 2015							
Data Years							
Maternal and Child Health Indicator	Number of Years of Data	MCH Data By Year					
		2005	2011	2012	2013	2014	2015
Teen motor vehicle death rate ages 15-19	3	2001-2003	2007-2009	2008-2010	2009-2011	2010-2012	2011-2013
Infant mortality rate	5	1999-2003	2005-2009	2006-2010	2007-2011	2008-2012	2009-2013
Neonatal mortality rate	5	1999-2003	2005-2009	2006-2010	2007-2011	2008-2012	2009-2013
Postneonatal mortality rate	5	1999-2003	2005-2009	2006-2010	2007-2011	2008-2012	2009-2013
Teen suicide death rate ages 15-19	5	1999-2003	2005-2009	2006-2010	2007-2011	2008-2012	2009-2013
% births low birth weight	3	2001-2003	2007-2009	2008-2010	2009-2011	2010-2012	2011-2013
Teen injury hospitalization rate ages 15-19	5	N/A	2005-2009	2006-2010	2007-2011	2008-2012	2009-2013
% very low birth weight births in Level IIIs	5	1999-2003	2005-2009	2006-2010	2007-2011	2008-2012	2009-2013
% infants placed to sleep on their backs	2	N/A	2008-2009	2009-2010	2010-2011	2011-2012	N/A
% children ages 1-14 with a medical home	3	N/A	N/A	N/A	N/A	2010-2012	2011-2013
% mothers gained appropriate weight during pregnancy	1	N/A	2009	2010	2011	2012	2013
% mothers who smoked 3 months before pregnancy	1	N/A	2009	2010	2011	2012	2013
% births unintended	5	1998-2002	2005-2009	2006-2010	2007-2011	2008-2012	N/A
% children ages 2-14 overweight or obese	2	N/A	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013
% mothers overweight or obese before pregnancy	1	N/A	2009	2010	2011	2012	2013
% births very low birth weight	3	2001-2003	2007-2009	2008-2010	2009-2011	2010-2012	2011-2013
% mothers who smoked during last 3 months of pregnancy	1	N/A	2009	2010	2011	2012	2013
Motor vehicle death rate ages 0-14	3	2001-2003	2007-2009	2008-2010	2009-2011	2010-2012	2011-2013
% EIC referrals from targeted screening sources	1	N/A	2009	2010	2011	2012	2013
Medicaid dental % served	1	2003-2004	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014
% children whose parents did child development q'naire ages 1-5	3	N/A	N/A	N/A	N/A	2010-2012	2011-2013
Perinatal mortality rate	5	1999-2003	2005-2009	2006-2010	2007-2011	2008-2012	2009-2013
Teen fertility rate ages 15-17	3	2001-2003	2007-2009	2008-2010	2009-2011	2010-2012	2011-2013