

**Boulder County Trend Analysis of New Indicators, 2012**  
**Progress Toward Healthy People 2020 Targets or Colorado 2020 Targets**

Maternal and Child Health Indicator (Sorted by 2012 Position Relative to 2020 Target)	Number of Years of Data	Healthy People 2020 or Colorado 2020 Target	MCH Data By Year of Release*						Short Term Trend: 2009 to 2012	2012 Position Relative to 2020 Target
			2002	2008	2009	2010	2011	2012		
% mothers overweight or obese before pregnancy	1	31.0% <sup>a</sup>	N/A	N/A	27.8%	26.4%	27.2%	26.5%	Improved	Meets target
% mothers breastfeeding at 6 months	5	60.6%	N/A	N/A	N/A	51%	55%	57%	Improved <sup>c</sup>	Close to target
% births where mothers gained appropriate weight <sup>b</sup>	1	38.5% <sup>a</sup>	N/A	N/A	34.4%	34.0%	33.8%	33.9%	No real change	Close to target
% EIC referrals from targeted screening sources	1	48.0% <sup>a</sup>	N/A	N/A	N/A	29.9%	33.8%	37.2%	Improved <sup>c</sup>	At some distance

N/A denotes data not available or applicable.

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. Percentages from surveys are rounded here, even though the MCH County Data Sets report out to one decimal place.

\*Data do not appear in the MCH County Data Sets. See *Definitions for New Indicators in the 2012 County Trend Analysis* handout for actual data years.

<sup>a</sup>Colorado 2020 target.

<sup>b</sup>Data in the trend analysis differ from data on Colorado Health Indicators website. The website uses three years of aggregated data and the 2009 IOM recommendations for weight gain during pregnancy, while the trend analysis uses one year of data and the 1990 IOM recommendations for weight gain during pregnancy.

<sup>c</sup>Short term trend is measured from the 2010 Release to the 2012 Release.

**Additional Notes**

**Maternal and Child Health Indicator**

Data are shown for indicators that have not been included in previous MCH County Data Sets. These indicators are new national or state MCH performance measures. One indicator (breastfeeding at six months) is based on survey data available from the Colorado Child Health Survey. Data and short term trends for this indicator are lightly shaded. Two indicators (appropriate weight gain and overweight or obese before pregnancy) come from birth data and one indicator (EIC referrals) is derived from a special data set.

**Number of Years of Data**

Measures use one or five years of data. For example, the percent of births where mothers gained appropriate weight is based on one year of data. Refer to the Definitions for New Indicators in the 2012 County Trend Analysis handout to determine the exact years used for each measure for each release.

**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 lieu of Healthy People 2020 targets where available.

**MCH Data by Year of Release**

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 at the time of the 2012 Release, the most recent data available for mothers breastfeeding at six months is from 2010. Because this measure uses five years, data from 2006-2010 are presented under the 2012 heading.

**Short Term Trend: 2009 to 2012**

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 the 2009 and 2012 data sets (or other years as noted) may be somewhat arbitrary. Rates based on survey data need relatively large changes to obtain "Improved" or "Worse" labels because percentages shown are estimates with confidence intervals. Rates based on full count data (births, deaths, registries) require smaller changes to obtain labels denoting change. The 2009 and 2012 labels contain data from the previous 5 years or 1 year, so the trends described reflect changes in the data that are reported in the MCH Trend Analysis for 2012, and do not represent changes that actually occurred between 2009 and 2012.

**2012 Position Relative to 2020 Target**

"Meets target" indicates that the rate shown in the MCH Trend Analysis released in 2012 is the same or better than the target. "Close to target" indicates that the rate is within 20 percent of the target. "At some distance" describes measures that are more than 20 percent away from the target, but are less than double the target for measures requiring a decrease and are up to half the target for measures requiring an increase. "Far from target" indicates a rate that is either double or half the HP 2020 target, depending on whether the rate requires a decrease or an increase. The values shown in the 2012 Release are compared to the HP 2020 targets or the Colorado 2020 targets; see footnotes.