State of Colorado Trend Analysis, 2015
Progress Toward Healthy People 2020 Targets or Colorado 2020 Targets

Maternal and Child Health Indicator	Source	Healthy People 2020 Target	Year						Short Term Trend: 2009 to 2013	Long Term Trend: Percent Change 2003 to 2013	2013 Position Relative to 2020 Target
			2003	2009	2010	2011	2012	2013			
Preconception/Prenatal											
% mothers smoking during pregnancy	BC	6.1%[a]	NA	8.4%	8.1%	7.4%	7.4%	7.1%	Improved	NA	Close to target
% mothers receiving adequate prenatal care	BC	77.6%	NA	60.2%	61.2%	63.0%	63.4%	63.5%	Improved	NA	Close to target
% mothers discussed what to do if depressed during/after pregnancy	PRAMS	86.8%[a]	NA	73%	75%	77%	79%	78%	Improved	NA	Close to target
% mothers smoking during pregnancy who quit	PRAMS	70%[a]	NA	61%	62%	66%	53%	63%	No real change	NA	Close to target
% women 18-44 mental health not good 8+ days	BRFSS	15%[a]	17%	17%	17%	18%[b]	19%	17%	No real change[c]	NA	Close to target
% women and men 18-44 using effective* birth control	BRFSS	80%[a]	68%[d]	67%	68%	62%[b]	68%	NA	NA	NA	Close to target
% births unintended	PRAMS	33%[a]	41%	40%	36%	36%	39%[b]	43%	NA	NA	At some distance
% mothers drinking alcohol last 3 months pregnancy	PRAMS	1.7%	9%	11%	11%	10%	10%	14%	No real change	+62%	Far from target
% mothers with excessive weight gain during pregnancy	BC	NA	NA	45.3%[e]	44.5%	44.7%	42.6%	42.6%	Improved	NA	NA
% mothers with postpartum depressive symptoms	PRAMS	NA	NA	12%	10%	10%	NA	NA	No real change[f]	NA	NA
Infants											
Infant mortality rate	DC	6.0	6.0	6.3	5.9	5.6	4.6	5.1	Improved	-15.0%	Meets target
Postneonatal mortality rate	DC	2.0	1.6	2.1	1.6	1.6	1.3	1.4	Improved	-12.5%	Meets target
Neonatal mortality rate	DC	4.1	4.4	4.2	4.3	4.0	3.3	3.7	Improved	-15.9%	Meets target
% infants screened for hearing	NHSP	98%[a]	97.2%	97.3%	97.3%	97.8%	98.3%	98.0%	Improved	+0.8%	Meets target
% cesarean deliveries among low-risk first births^	BC	18.5%[a]	NA	21.8%	21.2%	20.1%	21.3%	20.7%	Improved	NA	Close to target
% births preterm	BC	8%[a]	9.6%	9.3%	9.1%	8.9%	8.9%	8.6%	Improved	-10%	Close to target
% infants breastfed exclusively through six months	NIS[†]	28%[a]	NA	22%	22%	22%[b]	21%	26%	No real change[c]	NA	Close to target
% infants who were ever breastfed	NIS[†]	84.5%[a]	81%[g]	88%	81%	86%[b]	80%	81%	No real change[c]	NA	Close to target
% births low birth weight	BC	7.8%	9.1%	8.8%	8.8%	8.7%	8.8%	8.8%	No real change	-3.3%	Close to target

Note: See page three for explanation of headings.

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 all rounded as is the percentage change between 2003 and 2013.

* Effective: tubes tied, vasectomy, hysterectomy, birth control pills, IUD, implant, shot, patch, or ring

NA denotes data not available or trend not applicable.

[a] Colorado 2020 target.

[b] Change in calculation methodology in this year; do not compare with earlier estimates.

[c] Short term trend measured from 2011.

[d] Data shown are for the year 2002.

[†] Data year represents last year of NIS, not year of births (see Definitions for Data)

^ Low-risk first births: term (37+ weeks), singleton, vertex births to nulliparous women

[e] Data through 2009 use the 1990 Institute of Medicine (IOM) guidelines while data beginning in 2010 use the 2009 IOM guidelines.

[f] Short term trend measured from 2009 to 2011.

[g] Data shown are for the year 2001.

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Maternal and Child Health Indicator	Source	Healthy People 2020 Target	Year						Short Term Trend: 2009 to 2013	Long Term Trend: Percent Change 2003 to 2013	2013 Position Relative to 2020 Target
			2003	2009	2010	2011	2012	2013			
Children											
% children ages 1-5 w/ parents asked by provider to fill out child q'naire	CHS	52%[a]	NA	48%	44%	48%[b]	57%	55%	Improved[c]	NA	Meets target
% children ages 1-14 with a medical home	CHS	63.3%	NA	NA	69%	63%[b]	64%	64%	No real change[c]	NA	Meets target
% children ages 19-35 mo received 4:3:1:4:3:1:4 vaccinations	NIS	80%	NA	47%	56%	66%	72%	69%	Improved	NA	Close to target
% children ages 2-14 overweight or obese	CHS	25%[a]	NA	25%	23%	29%[b]	29%	26%	No real change[c]	NA	Close to target
% CSHCN ages 1-14 with a medical home	CHS	55%[a]	NA	NA	55%	53%[b]	59%	53%	No real change[c]	NA	Close to target
% children ages 1-14 with health insurance	CHS	100%[h]	NA	91%	95%	92%[b]	95%	95%	No real change[c]	NA	Close to target
% children exposed to secondhand smoke who live with a smoker	CHS	18.5%[a]	NA	35%	31%	NA	NA	19.7%[b]	NA	NA	Close to target
% children receiving needed mental health care or counseling	CHS	75.8%	NA	NA	NA	NA	80%	70%	NA	NA	Close to target
% children ages 1-14 drinking SSB* 1+ times per day	CHS	15%[a]	NA	NA	16%	21%[b]	21%	19%	No real change[c]	NA	At some distance
% of children ages 2-14 eating 2+ fruits and 3+ veg per day	CHS	15%[a]	NA	11%	10%	11%[b]	11%	11%	No real change[c]	NA	At some distance
Child death rate ages 1-14	DC	NA	20.2	16.0	16.8	14.9	15.6	17.2	Mixed	-14.9%	NA
% children ages 6-11 physically active 60 minutes per day	CHS	NA	NA	NA	NA	48%[b]	45%	50%	No real change[c]	NA	NA
% children with special health care needs (CSHCN)	CHS	NA	NA	18%	19%	20%[b]	15%	17%	No real change[c]	NA	NA
% children ages 0-18 at or below 100% federal poverty level	ACS	NA	NA	17%	17%	18%	19%	17%	No real change	NA	NA
Teens											
Teen motor vehicle death rate ages 15-19	DC	12.4[h]	29.6	12.7	12.1	10.3	11.4	11.7	Improved	-60.5%	Meets target
% teens currently using marijuana[†]	HKCS	19.7%[a]	NA	25%	NA	22%	NA	20%[b]	NA	NA	Meets target
Teen birth rate ages 15-17	BC	10.0[a]	24.3	19.9	17.4	14.0	11.9	11.4	Improved	-53.1%	Close to target
Graduation rate (%)	CDE	82.4%	83.6%	74.6%	72.4%[b]	73.9%	75.4%	76.9%	Improved[i]	NA	Close to target
Injury hospitalization rate ages 10-19	CHA	226.9[a]	397.6	319.8	311.0	288.1	283.5	239.9	Improved	-39.7%	Close to target
% teens who were bullied in the past year[†]	HKCS	22%[a]	NA	NA	NA	25%	NA	26%[b]	NA	NA	Close to target
% teens using effective^ birth control[†]	HKCS	35%[a]	NA	NA	NA	29%	NA	31%[b]	NA	NA	Close to target
% teens with someone to go to for help with serious problem[†]	HKCS	83.2%	NA	NA	NA	NA	NA	81%[b]	NA	NA	Close to target
Teen suicide death rate ages 15-19	DC	10.2[h]	7.5	13.5	11.5	12.3	11.7	13.7	Mixed	+82.7%	At some distance
% teens participating in any extracurricular activities[†]	HKCS	90.6%	NA	NA	NA	70%	NA	68%[b]	NA	NA	At some distance
% teens feeling sad or hopeless every day for 2+ weeks[†]	HKCS	NA	NA	25%	NA	22%	NA	24%[b]	NA	NA	NA
% teens ever misused prescription drug[†]	HKCS	NA	NA	NA	NA	20%	NA	14%[b]	NA	NA	NA
Oral Health											
% children 1-14 with fair or poor condition of teeth	CHS	NA	NA	9%	5%	8%[b]	8%	6%	No real change[c]	NA	NA

* SSB: Sugar-sweetened beverages   [†] High school students (grades 9-12)   ^ Effective: birth control pills; an IUD or implant; or a shot, patch, or birth control ring
(Note that this definition differs from the definition used for adults 18-44.)

NA denotes data not available or trend not applicable.

[a] Colorado 2020 target.

[b] Change in calculation methodology in this year; do not compare with earlier estimates.

[c] Short term trend measured from 2011.

[h] Target is for all ages, not just for age group shown.

[i] Short term trend measured from 2010.

Maternal and Child Health Indicator
Data are shown for some new measures as well as for measures that have been included in the Maternal and Child Health State Trend Analysis for a number of years. Most measures are expressed as percentages. Three measures are based on deaths per 1,000 births: infant mortality, neonatal mortality, and postneonatal mortality. The teen fertility rate is based on births per 1,000 female population ages 15-17. Some rates are expressed per 100,000 population: injury hospitalization ages 10-19, teen motor vehicle death, child death ages 1-14 and teen suicide.

Source
Many measures are based on survey data from the Behavioral Risk Factor Surveillance System (BRFSS), the Pregnancy Risk Assessment Monitoring System (PRAMS), the Child Health Survey (CHS), the Healthy Kids Colorado Survey (HKCS), the Youth Risk Behavior Survey (YRBS), the National Immunization Survey (NIS) and the American Community Survey (ACS). Data obtained from surveys are rounded to the nearest whole percentage; data and short term trends for these measures are lightly shaded in blue. Most other measures come from birth certificate (BC) and death certificate (DC) data, but some measures are derived from special registries or data sets. Newborn hearing screening data are from the state health department's Early Hearing Detection and Intervention program (EHDI), while injury hospitalization data come from the Colorado Hospital Association (CHA). The Colorado Department of Education (CDE) provides data on high school graduation rates.

Healthy People 2020 Target
Every ten years, Healthy People sets targets for numerous public health objectives. For 2020, there are more than 1,200 objectives. For more information, visit: http://www.healthypeople.gov/2020/default.aspx. Colorado 2020 targets were added for measures without HP targets or where HP targets have already been met, and were set by the MCH Program.

Year
Data reported below each year's heading are data pertaining to that year. For example, the percent of mothers smoking during pregnancy shown for 2013 (7.1%) are from data from the birth certificate obtained during 2013.

Short Term Trend: 2009 to 2013
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 "NA." The description of the change between the 2009 and 2013 (or other years as noted) may be somewhat arbitrary. Values 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 descriptions indicating change. Some trends are measured from a year other than 2009 and are noted.

Long Term Trend: Percent Change 2003 to 2013
Long term trends are presented when data are available and comparable between 2003 and 2013. The percent change is the difference between the 2003 and 2013 values divided by the 2003 value. 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 percent change is based on unrounded values for 2003 and 2013.

2013 Position Relative to 2020 Target (HP or Colorado)
"Meets target" indicates that the value shown for 2013 is the same or better than the target set for 2020. "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 measures requiring a decrease and are up to half the target for measures requiring an increase. "Far from target" indicates a value that is either double or half the 2020 target, depending on whether the measure requires a decrease or an increase.