

National Outcome Measures and National Performance Measures

Kansas Maternal and Child Health Services Block Grant
2016 Application/2014 Annual Report

NOM #	National Outcome Measures	Population Health Domain	2008	2009	2010	2011	2012	2013	Trend	HP2020
1	Percent of pregnant women who receive prenatal care beginning in the first trimester	Perinatal/Infant Health								
	All		73.1%	74.0%	75.0%	77.3%	78.8%	79.4%	↑*	77.9%
	Medicaid		59.9%	61.6%	61.4%	63.7%	68.0%	68.7%	↑*	
	Non-Medicaid		78.2%	79.3%	82.0%	84.5%	84.5%	84.7%	↑*	
2	Rate of severe maternal morbidity per 10,000 delivery hospitalizations	Women/Maternal Health	95.2	103.6	103.3	97.4	111.6	-	↑	-
3	Maternal mortality rate per 100,000 live births (5 year rolling average)	Women/Maternal Health	-	13.6	14.0	14.1	14.7	16.5	↑*	11.4
4.1	Percent of low birth weight deliveries (<2,500 grams)	Perinatal/Infant Health								
	All		7.2%	7.3%	7.1%	7.2%	7.2%	7.0%	●	7.8%
	Medicaid		8.4%	8.5%	8.8%	8.9%	8.9%	8.6%	↑	
	Non-Medicaid		6.7%	6.7%	6.3%	6.4%	6.3%	6.3%	↓*	
4.2	Percent of very low birth weight deliveries (<1,500 grams)	Perinatal/Infant Health	1.4%	1.4%	1.2%	1.3%	1.4%	1.3%	↓	1.4%
4.3	Percent of moderately low birth weight deliveries (1,500-2,499 grams)	Perinatal/Infant Health	5.8%	5.9%	5.9%	5.9%	5.8%	5.8%	●	-
5.1	Percent of preterm births (<37 weeks gestation)	Perinatal/Infant Health	9.3%	9.2%	8.8%	9.1%	9.0%	8.9%	↓	11.4%
5.2	Percent of early preterm births (<34 weeks gestation)	Perinatal/Infant Health	2.6%	2.6%	2.5%	2.6%	2.7%	2.7%	↑	1.8%
5.3	Percent of late preterm births (34-36 weeks gestation)	Perinatal/Infant Health	6.7%	6.6%	6.3%	6.5%	6.3%	6.2%	↓*	8.1%
6	Percent of early term births (37,38 weeks gestation)	Perinatal/Infant Health	27.7%	26.8%	25.7%	25.4%	24.6%	23.0%	↓*	-
7	Percent of non-medically indicated early elective deliveries	Perinatal/Infant Health	42.8%	40.2%	37.9%	35.8%	33.0%	29.3%	↓*	-
8	Perinatal mortality rate per 1,000 live births plus fetal deaths	Perinatal/Infant Health	6.6	6.6	6.2	5.9	6.9	6.5	●	5.9

National Outcome Measures and National Performance Measures

Kansas Maternal and Child Health Services Block Grant
2016 Application/2014 Annual Report

NOM #	National Outcome Measures	Population Health Domain	2008	2009	2010	2011	2012	2013	Trend	HP2020
9.1	Infant mortality rate per 1,000 live births	Perinatal/Infant Health								
	All		7.2	7.0	6.3	6.2	6.3	6.4	↓	6.0
	Medicaid		9.7	9.4	7.3	7.3	9.7	7.2	↓	
	Non-Medicaid		5.7	5.9	5.5	5.5	4.4	5.8	↓	
9.2	Neonatal mortality rate per 1,000 live births	Perinatal/Infant Health	4.6	4.3	4.2	4.0	4.3	4.3	↓	4.1
9.3	Postneonatal mortality rate per 1,000 live births	Perinatal/Infant Health	2.6	2.8	2.3	2.3	2.0	2.1	↓*	2.0
9.4	Preterm-related mortality rate per 100,000 live births	Perinatal/Infant Health	220.0	229.5	202.8	206.9	208.4	211.3	↓	-
9.5	Sleep-related Sudden Unexpected Infant Death (SUID) rate per 100,000 live births (R95, R99, W75)	Perinatal/Infant Health	150.7	118.4	103.9	106.0	99.2	131.4	↓	84.0
10	Percent of infants born with fetal alcohol exposure in the last 3 months of pregnancy (PRAMS)	Perinatal/Infant Health	-	-	-	-	-	-	-	-
11	The rate of infants born with neonatal abstinence syndrome per 1,000 delivery hospitalizations	Perinatal/Infant Health	1.8	2.3	3.4	4.2	4.7	-	↑*	-
12	Percent of eligible newborns screened for heritable disorders with on time physician notification for out of range screens who are followed up in a timely manner. (DEVELOPMENTAL)	Perinatal/Infant Health	-	-	-	-	-	-	-	100.0%
13	Percent of children meeting the criteria developed for school readiness (DEVELOPMENTAL)	Child Health	-	-	-	-	-	-	-	-
14	Percent of children ages 1 through 17 who have decayed teeth or cavities in the past 12 months	Child Health	-	-	-	-	18.1%	-	●	-
15	Child mortality rate ages 1 through 9 per 100,000	Child Health	22.7	21.7	26.7	22.2	19.4	23.8	↓	-
16.1	Rate of death in adolescents age 10-19 per 100,000	Adolescent Health	41.0	40.4	38.0	32.4	32.3	31.9	↓*	-
16.2	Adolescent motor vehicle mortality rate ages 15 through 19 per 100,000 (3 year rolling average)	Adolescent Health	23.3	23.4	22.7	20.0	18.1	14.0	↓*	12.4
16.3	Adolescent suicide rate ages 15 through 19 per 100,000 (3 year rolling average)	Adolescent Health	11.1	9.1	10.1	10.5	14.0	13.2	↑	10.2
17.1	Percent of children with special health care needs (CSHCN)	CSHCN	20.4% (2003)	-	20.7% (2007)	-	19.4%	-	↓	-

National Outcome Measures and National Performance Measures

Kansas Maternal and Child Health Services Block Grant
2016 Application/2014 Annual Report

NOM #	National Outcome Measures	Population Health Domain	2008	2009	2010	2011	2012	2013	Trend	HP2020
17.2	Percent of children with special health care needs receiving care in a well-functioning system	CSHCN	-	-	22.8%	-	-	-	●	-
17.3	Percent of children diagnosed with an autism spectrum disorder	Child Health and/or CSHCN	-	-	1.0% (2007)	-	1.0%	-	●	-
17.4	Percent of children diagnosed with Attention Deficit Disorder/Attention Deficit Hyperactivity Disorder (ADD/ADHD)	Child Health and/or CSHCN	-	-	7.2% (2007)	-	8.8%	-	▲	-
18	Percent of children with a mental/behavioral condition who receive treatment or counseling	Child and/or Adolescent Health	62.9% (2003)	-	72.2% (2007)	-	72.6%	-	▲	75.0%
19	Percent of children in excellent or very good health	Child Health	86.3% (2003)	-	85.3% (2007)	-	86.8%	-	●	-
20	Percent of children and adolescents who are overweight or obese (BMI at or above the 85th percentile)	Child and/or Adolescent Health								
	Children 2 through 4 years		24.2%	24.3%	23.5%	23.2%	23.3%	23.7%	▼	14.5%
	Children 10 through 17 years		30.0% (2003)	-	31.1% (2007)	-	30.2%	-	●	14.5%
	Adolescents grades 9 through 12		-	25.1%	-	24.1%	-	28.9%	▲	14.5%
21	Percent of children without health insurance	Child Health	-	8.2%	7.7%	6.1%	6.9%	6.7%	▼	0%
22.1	Percent of children ages 19 through 35 months, who have received the 4:3:1:3(4):3:1 :4 series of routine vaccinations	Child Health	-	46.0%	54.9%	73.5%	65.0%	68.7%	▲	80.0%
22.2	Percent of children 6 months through 17 years who are vaccinated annually against seasonal influenza	Child and/or Adolescent Health	-	39.0%	47.0%	47.8%	45.9%	57.5%	▲	70.0%
22.3	Percent of adolescents, ages 13 through 17, who have received at least one dose of the HPV vaccine	Adolescent Health	30.1%	44.1%	40.2%	37.2%	42.7%	39.9%	▲	80.0%
22.4	Percent of adolescents, ages 13 through 17, who have received at least one dose of the Tdap vaccine	Adolescent Health	46.8%	63.6%	76.8%	79.1%	92.2%	84.6%	▲*	80.0%
22.5	Percent of adolescents, ages 13 through 17, who have received at least one dose of the meningococcal conjugate vaccine	Adolescent Health	25.6%	38.3%	50.2%	47.7%	55.9%	55.9%	▲*	80.0%

National Outcome Measures and National Performance Measures

Kansas Maternal and Child Health Services Block Grant
2016 Application/2014 Annual Report

NPM #	National Performance Measures	Population Health Domain	2008	2009	2010	2011	2012	2013	Trend	HP2020
1	<i>Well-Women Visit:</i> Percent of women with a past year preventive medical visit	Women/Maternal Health	-	-	-	66.7%	66.4%	68.2%	↑	-
2	<i>Low Risk Cesarean Deliveries:</i> Percent of cesarean deliveries among low-risk first births	Women/Maternal Health	25.3%	25.5%	25.3%	25.0%	24.7%	24.7%	↓	23.9%
3	<i>Perinatal Regionalization:</i> Percent of very low birth weight (VLBW) infants born in a hospital with a Level III+ Neonatal Intensive Care Unit (NICU)	Perinatal/Infant Health	78.9%	80.8%	82.3%	86.6%	87.1%	86.6%	↑	83.7%
4	<i>Breastfeeding:</i> A) Percent of infants who are ever breastfed and B) Percent of infants breastfed exclusively through 6 months	Perinatal/Infant Health								
	A) Percent of infants who are ever breastfed		77.5%	78.0%	77.2%	79.5%	81.7%	84.2%	↑*	81.9%
	B) Percent of infants breastfed exclusively through 6 months		-	16.2%	14.1%	11.4%	24.5%	-	↑	25.5%
5	<i>Safe Sleep:</i> Percent of infants placed to sleep on their backs (PRAMS)	Perinatal/Infant Health	-	-	-	-	-	-	-	75.9%
6	<i>Developmental Screening:</i> Percent of children, ages 10 through 71 months, receiving a developmental screening using a parent-completed screening tool	Child Health	-	-	24.7% (2007)	-	37.0%	-	↑	-
7	<i>Child Injury:</i> Rate of hospitalization for non-fatal injury per 100,000 children ages 0 through 9 and adolescents ages 10 through 19	Child Health and/or Adolescent Health								
	Children ages 0 through 9		180.5	160.6	144.7	134.2	136.5	-	↓*	-
	Adolescents ages 10 through 19		306.3	295.1	260.5	242.2	255.0	-	↓*	-
8	<i>Physical Activity:</i> Percent of children ages 6 through 11 and adolescents ages 12 through 17 who are physically active at least 60 minutes per day	Child Health and/or Adolescent Health								
	Children ages 6 through 11		29.3% (2003)	-	31.2% (2007)	-	36.0%	-	↑	-
	Adolescents ages 12 through 17		22.0% (2003)	-	19.1% (2007)	-	19.9%	-	↓	20.2%
	Adolescents grades 9 through 12		-	27.8%	-	30.2%	-	28.3%	↑	20.2%

National Outcome Measures and National Performance Measures

Kansas Maternal and Child Health Services Block Grant
2016 Application/2014 Annual Report

NPM #	National Performance Measures	Population Health Domain	2008	2009	2010	2011	2012	2013	Trend	HP2020
9	<i>Bullying</i> : Percent of adolescents, ages 12 through 17, who are bullied or who bully others	Adolescent Health								
	Adolescents ages 12 through 17		-	-	15.4% (2007)	-	11.0%	-	↓	17.9%
	Adolescents grades 9 through 12		-	-	-	26.4%	-	27.9%	↑	17.9%
10	<i>Adolescent Well-Visit</i> : Percent of adolescents, ages 12 through 17, with a preventive medical visit in the past year	Adolescent Health	78.2% (2003)	-	88.8% (2007)	-	83.4%	-	↑	75.6%
11	<i>Medical Home</i> : Percent of children with and without special health care needs having a medical home	Child Health and/or CSHCN	-	-	61.3% (2007)	-	59.1%	-	↓	63.3%
	CSHCN		-	-	49.3% (2007)	-	53.8%	-	↑	54.8%
	Non-CSHCN		-	-	64.4% (2007)	-	60.4%	-	↓	63.3%
12	<i>Transition</i> : Percent of adolescents with and without special health care needs who received services necessary to make transitions to adult health care	Child Health and/or CSHCN	-	-	-	-	-	-	-	-
	CSHCN		50.3% (2006)	-	52.7%	-	-	-	↑	45.3%
	Non-CSHCN		-	-	-	-	-	-	-	-
13	<i>Oral Health</i> : A) Percent of women who had a dental visit during pregnancy and B) Percent of children, ages 1 through 17, who had a preventive dental visit in the past year	Cross-Cutting/Life Course								
	A) Percent of women who had a dental visit during pregnancy (PRAMS)		-	-	-	-	-	-	-	49.0%
	B) Percent of children, ages 1 through 17, who had a preventive dental visit in the past year		-	-	78.8% (2007)	-	79.4%	-	↑	49.0%
14	<i>Smoking During Pregnancy and Household Smoking</i> : A) Percent of women who smoke during pregnancy and B) Percent of children who live in households where someone smokes	Cross-Cutting/Life Course								
	A) Percent of women who smoke during pregnancy									
	All		16.0%	15.1%	15.0%	14.5%	13.7%	12.5%	↓*	1.4%

NPM #	National Performance Measures	Population Health Domain	2008	2009	2010	2011	2012	2013	Trend	HP2020
	Medicaid		33.0%	31.5%	30.0%	29.5%	28.2%	26.7%	↓*	
	Non-Medicaid		10.2%	9.2%	7.6%	6.8%	6.5%	5.6%	↓*	
	B) Percent of children who live in households where someone smokes		29.3% (2003)	-	26.4% (2007)		25.3%	-	↓	47.0%
15	<i>Adequate Insurance Coverage</i> : Percent of children ages 0 through 17 who are adequately insured	Cross-Cutting/Life Course	-	-	78.9% (2007)	-	75.8%	-	↓	-

Key and Definitions

An "-" indicates the data were not available at the time of reporting.

The **arrow** indicates the direction of the trend, if any, and the color indicates if the direction is positive (**green**) or negative (**red**); A **yellow** dot indicates no definite trend is apparent.

HP2020 - Healthy People 2020 goal

PRAMS - Pregnancy Risk Assessment Monitoring System; Kansas is not a CDC funded PRAMS state.

Medicaid and Non-Medicaid: Based on the "principal source of payment for this delivery" as reported on the birth certificate.

*Statistically significant trend (p<0.05)

Note: The [MCH Biennial Summary, 2014](http://www.kdheks.gov/c-f/mch.htm) is available and posted on the Bureau of Family Health website (<http://www.kdheks.gov/c-f/mch.htm>). This document was developed and designed to describe and track progress on the public health significance of the indicators related to women/maternal health, perinatal/infant health, child health, adolescent health, children and youth with special health care needs, and cross-cutting/life course. The biennial summary also provides trend data and determines how well the priorities have been addressed by state and local programs.