

## Title V Outcome Measures and Performance Measures

Kansas Maternal and Child Health Services Block Grant

2017 Application/2015 Annual Report

NOM #	National Outcome Measures	Population Health Domain	Medicaid Measure	2009	2010	2011	2012	2013	2014	Trend	HP2020
1	Percent of pregnant women who receive prenatal care beginning in the first trimester	Perinatal/Infant Health	CMS								
	All			74.0%	75.0%	77.3%	78.8%	79.4%	80.0%	▲*	<b>77.9%</b>
	Medicaid			61.5%	61.3%	63.7%	67.9%	68.6%	70.5%	▲*	
	Non-Medicaid			79.2%	81.9%	84.4%	84.4%	84.7%	84.8%	▲*	
2	Rate of severe maternal morbidity per 10,000 delivery hospitalizations	Women/Maternal Health		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	15.1	▲*	<b>11.4</b>
4.1	Percent of low birth weight deliveries (<2,500 grams)	Perinatal/Infant Health	CMS								
	All			7.3%	7.1%	7.2%	7.2%	7.0%	7.1%	●	<b>7.8%</b>
	Medicaid			8.5%	8.8%	8.9%	8.9%	8.6%	8.5%	▲	
	Non-Medicaid			6.7%	6.3%	6.4%	6.3%	6.3%	6.3%	▼*	
4.2	Percent of very low birth weight deliveries (<1,500 grams)	Perinatal/Infant Health	CMS	1.4%	1.2%	1.3%	1.4%	1.3%	1.3%	▼	<b>1.4%</b>
4.3	Percent of moderately low birth weight deliveries (1,500-2,499 grams)	Perinatal/Infant Health	CMS	5.9%	5.9%	5.9%	5.8%	5.8%	5.8%	●	-
5.1	Percent of preterm births (<37 weeks gestation)	Perinatal/Infant Health	P4P								
	All			9.2%	8.8%	9.1%	9.0%	8.9%	8.7%	▼	<b>11.4%</b>
	Medicaid			10.1%	9.8%	10.3%	10.2%	10.4%	10.0%	●	
	Non-Medicaid			8.8%	8.2%	8.5%	8.5%	8.2%	8.1%	▼	
5.2	Percent of early preterm births (<34 weeks gestation)	Perinatal/Infant Health	P4P	2.6%	2.5%	2.6%	2.7%	2.7%	2.5%	▲	<b>1.8%</b>
5.3	Percent of late preterm births (34-36 weeks gestation)	Perinatal/Infant Health	P4P	6.6%	6.3%	6.5%	6.3%	6.2%	6.2%	▼*	<b>8.1%</b>
6	Percent of early term births (37,38 weeks gestation)	Perinatal/Infant Health									
	All			26.8%	25.7%	25.4%	24.6%	23.0%	24.3%	▼*	-

NOM #	National Outcome Measures	Population Health Domain	Medicaid Measure	2009	2010	2011	2012	2013	2014	Trend	HP2020
	Medicaid			30.0%	28.4%	26.7%	26.9%	25.0%	26.1%	↓*	
	Non-Medicaid			25.6%	24.4%	24.7%	23.4%	22.1%	23.4%	↓*	
7	Percent of non-medically indicated early elective deliveries	Perinatal/Infant Health		-	-	-	-	8.0%	4.0%	↓	-
8	Perinatal mortality rate per 1,000 live births plus fetal deaths	Perinatal/Infant Health		6.6	6.2	5.9	6.9	6.5	6.2	●	5.9
9.1	Infant mortality rate per 1,000 live births	Perinatal/Infant Health									
	All			7.0	6.3	6.2	6.3	6.4	6.3	↓	6.0
	Medicaid			9.4	7.3	7.3	9.7	7.2	8.5	↓	
	Non-Medicaid			5.9	5.5	5.5	4.4	5.8	5.0	↓	
9.2	Neonatal mortality rate per 1,000 live births	Perinatal/Infant Health		4.3	4.2	4.0	4.3	4.3	4.5	↓	4.1
9.3	Postneonatal mortality rate per 1,000 live births	Perinatal/Infant Health		2.8	2.3	2.3	2.0	2.1	1.8	↓*	2.0
9.4	Preterm-related mortality rate per 100,000 live births	Perinatal/Infant Health									
	All			229.5	202.8	206.9	208.4	211.3	211.8	↓	-
	Medicaid			267.3	258.4	232.4	294.4	167.4	305.3	↓	
	Non-Medicaid			216.1	174.6	195.6	167.6	226.1	160.0	↓	
9.5	Sleep-related Sudden Unexpected Infant Death (SUID) rate per 100,000 live births (R95, R99, W75)	Perinatal/Infant Health		118.4	103.9	106.0	99.2	131.4	94.4	↓	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		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%

NOM #	National Outcome Measures	Population Health Domain	Medicaid Measure	2009	2010	2011	2012	2013	2014	Trend	HP2020
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		21.7	26.7	22.2	19.4	23.8	15.7	↓	-
16.1	Rate of death in adolescents age 10-19 per 100,000	Adolescent Health		40.4	38.0	32.4	32.3	31.9	34.7	↓	-
16.2	Adolescent motor vehicle mortality rate ages 15 through 19 per 100,000 (3 year rolling average)	Adolescent Health		23.4	22.7	20.0	18.1	14.0	14.8	↓*	<b>12.4</b>
16.3	Adolescent suicide rate ages 15 through 19 per 100,000 (3 year rolling average)	Adolescent Health	CMS	9.1	10.1	10.5	14.0	13.2	12.8	↑*	<b>10.2</b>
17.1	Percent of children with special health care needs (CSHCN)	CSHCN		-	20.7% (2007)	-	19.4%	-	-	↓	-
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	P4P	-	72.2% (2007)	-	72.6%	-	-	↑	<b>75.0%</b>
19	Percent of children in excellent or very good health	Child Health		-	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	P4P (?)								
	Children 2 through 4 years			24.3%	23.5%	23.2%	23.3%	23.7%	23.6%	●	<b>14.5%</b>
	Children 10 through 17 years			-	31.1% (2007)	-	30.2%	-	-	●	<b>14.5%</b>
	Adolescents grades 9 through 12			25.1%	-	24.1%	-	28.9%	-	↑	<b>14.5%</b>
21	Percent of children without health insurance	Child Health		8.2%	7.7%	6.1%	6.9%	6.7%	6.2%	↓	<b>0%</b>
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%	76.5%	↑*	<b>80.0%</b>

NOM #	National Outcome Measures	Population Health Domain	Medicaid Measure	2009	2010	2011	2012	2013	2014	Trend	HP2020
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%	55.5%	↑*	70.0%
22.3	Percent of adolescents, ages 13 through 17, who have received at least one dose of the HPV vaccine	Adolescent Health									
	Female			44.1%	40.2%	37.2%	42.7%	39.9%	38.3%	↓	80.0%
	Male			-	-	-	13.5%	25.1%	32.8%	↑	80.0%
22.4	Percent of adolescents, ages 13 through 17, who have received at least one dose of the Tdap vaccine	Adolescent Health		63.6%	76.8%	79.1%	92.2%	84.6%	79.8%	↑	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		38.3%	50.2%	47.7%	55.9%	55.9%	65.1%	↑*	80.0%
NPM #	National Performance Measures	Population Health Domain	Medicaid Measure	2009	2010	2011	2012	2013	2014	Trend	HP2020
1	<i>Well-Women Visit</i> : Percent of women with a past year preventive medical visit	Women/Maternal Health	CMS	-	-	66.7%	66.4%	68.2%	63.7%	↓	-
2	<i>Low Risk Cesarean Deliveries</i> : Percent of cesarean deliveries among low-risk first births	Women/Maternal Health	CMS	25.5%	25.3%	25.0%	24.7%	24.7%	24.1%	↓*	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	Perinatal/Infant Health		80.8%	82.3%	86.6%	87.1%	86.6%	82.7%	↑	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			78.0%	77.2%	79.5%	81.7%	84.2%	86.1%	↑*	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	CMS	-	24.7% (2007)	-	37.0%	-	-	↑	-

NPM #	National Performance Measures	Population Health Domain	Medicaid Measure	2009	2010	2011	2012	2013	2014	Trend	HP2020
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			160.6	144.7	134.2	136.5	-	-	↓*	-
	Adolescents ages 10 through 19			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	P4P								
	Children ages 6 through 11			-	31.2% (2007)	-	36.0%	-	-	↑	-
	Adolescents ages 12 through 17			-	19.1% (2007)	-	19.9%	-	-	↓	20.2%
	Adolescents grades 9 through 12			27.8%	-	30.2%	-	28.3%	-	↑	20.2%
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		-	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	P4P(?)	-	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			-	52.7%	-	-	-	-	↑	45.3%
	Non-CSHCN			-	-	-	-	-	-	-	-

NPM #	National Performance Measures	Population Health Domain	Medicaid Measure	2009	2010	2011	2012	2013	2014	Trend	HP2020
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		P4P	-	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			15.1%	15.0%	14.5%	13.7%	12.5%	12.0%	↓*	1.4%
	Medicaid			31.5%	30.0%	29.5%	28.2%	26.7%	26.0%	↓*	
	Non-Medicaid			9.2%	7.6%	6.8%	6.5%	5.6%	5.2%	↓*	
	B) Percent of children who live in households where someone smokes			-	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%	-	-	↓	-
SPM #	State Performance Measures	Population Health Domain	Medicaid Measure	2009	2010	2011	2012	2013	2014	Trend	HP2020
1	Percent of preterm births (<37 weeks gestation)	Women/Maternal Health	P4P								
	All			9.2%	8.8%	9.1%	9.0%	8.9%	8.7%	↓	11.4%
	Medicaid			10.1%	9.8%	10.3%	10.2%	10.4%	10.0%	●	
	Non-Medicaid			8.8%	8.2%	8.5%	8.5%	8.2%	8.1%	↓	
2	Percent of children living with parents who have emotional help with parenthood	Child Health and/or Adolescent		-	91.0% (2007)	-	91.5%	-	-	●	

SPM #	State Performance Measures	Population Health Domain	Medicaid Measure	2009	2010	2011	2012	2013	2014	Trend	HP2020
3	<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	P4P								
	Children ages 6 through 11			-	31.2% (2007)	-	36.0%	-	-	↑	-
	Adolescents ages 12 through 17			-	19.1% (2007)	-	19.9%	-	-	↓	20.2%
	Adolescents grades 9 through 12			27.8%	-	30.2%	-	28.3%	-	↑	20.2%
4	Number of Safe Sleep (SIDS/SUID) trainings provided to professionals	Perinatal/Infant Health		-	-	-	-	-	-	-	-
5	Percent of adults who report that it is somewhat difficult or very difficult to understand information that doctors, nurses and other health professionals tell them	Cross-Cutting/Life Course		-	-	-	-	-	-	-	-

**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.

**Medicaid Measure:** Based on if it is a quality care measure necessary for the national level or for Managed Care Organizations to report to state of Kansas

**CMS:** Centers for Medicare and Medicaid Services

**P4P:** Pay for Performance Measure for Managed Care Organizations to report to state of Kansas

\*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.