

## **SECTION II. DETAILED MEASURE SPECIFICATIONS**

### **II.A. Description**

The percentage of time, within an 18-month observation window, eligible children received coverage in Medicaid or CHIP, or either program.

### **II.B. Eligible Population**

*Age:* Children aged younger than 18 years at the beginning of the 18-month observation window.

*Coverage:* Number of months enrolled over an 18-month window of observation. Eligible months begin from first observation of a child within the 18-month observation window.

*Allowable gap:* Gaps allowed and measured as months without coverage.

*Anchor date:* Beginning of 18-month observation window OR date of birth.

*Benefits:* Medical, pharmacy, dental, long term care

*Event:* Number of months covered over an 18-month window of observation.

### **II.C. Definitions**

*Eligible:* A child's eligibility is determined from their first observed month of enrollment in the 18-month observation window.

*S-CHIP:* Separately administered CHIP program

*M-CHIP:* Federally administered CHIP program

## II.D.1. Detailed Measure Specifications for CHIP Coverage PI Measure

### Administrative Data Specifications

*Denominator for S-CHIP Coverage PI = Total Months of Eligibility*

1. Determine 18-month window of observation (can begin with any month in the year).
2. Identify all children enrolled in CHIP at any point within the 18-month window of observation, excluding those older than 18 at the beginning of the 18-month observation window.
3. Identify all children who are born within the 18-month window of observation – **for these children, total months of eligibility begin from date of birth.**
4. Identify all children who reach the age of 18 before the end of the 18-month window of observation – **for these children, total months of eligibility end with their 18<sup>th</sup> birthday.**
5. For all other children who do not represent populations described in Steps 2, 3, or 4, **months of eligibility begins with the first observed enrollment in the observation window and continues for the remainder of the observation window.**
6. Determine summation of total number of eligible months for all children in eligible population.

*Numerator for S-CHIP Coverage PI = Total Months Covered*

1. Identify total number of months covered by CHIP for each child in the eligible population. A month is considered “covered” if the child has greater than 14 days of enrollment in that month.
2. If data available (e.g. a state with a separate CHIP program reporting its CHIP enrollment data to CMS), determine months when a child experiencing a gap in coverage by S-CHIP was covered by Medicaid or M-CHIP.
3. Determine summation of total number of months covered within the 18-month observation window for all children in the eligible population.

**Compute percentage of months covered within the 18-month observation window.**

*Units:*

Report number and percentages.

## II.D.2. Detailed Measure Specifications for Medicaid/M-CHIP Coverage Measure

### Administrative Data Specifications

#### *Denominator for Medicaid/M-CHIP Coverage PI = Months of Eligibility*

1. Determine 18-month window of observation (can begin with any month in the year).
2. Identify all children enrolled in Medicaid or M-CHIP at any point within the 18-month window of observation, excluding those older than 18 at the beginning of the 18-month observation window.
3. Identify all children who are born within the 18-month window of observation – **for these children, total months of eligibility begin from date of birth.**
4. Identify all children who reach the age of 18 before the end of the 18-month window of observation – **for these children, total months of eligibility end with their 18<sup>th</sup> birthday.**
5. For all other children who do not represent populations described in Steps 2, 3, or 4, **months of eligibility begins with the first observed enrollment in the observation window and continues for the remainder of the observation window.**
6. Determine summation of total number of eligible months for all children in eligible population.

#### *Numerator for Medicaid/M-CHIP Coverage PI = Months Covered*

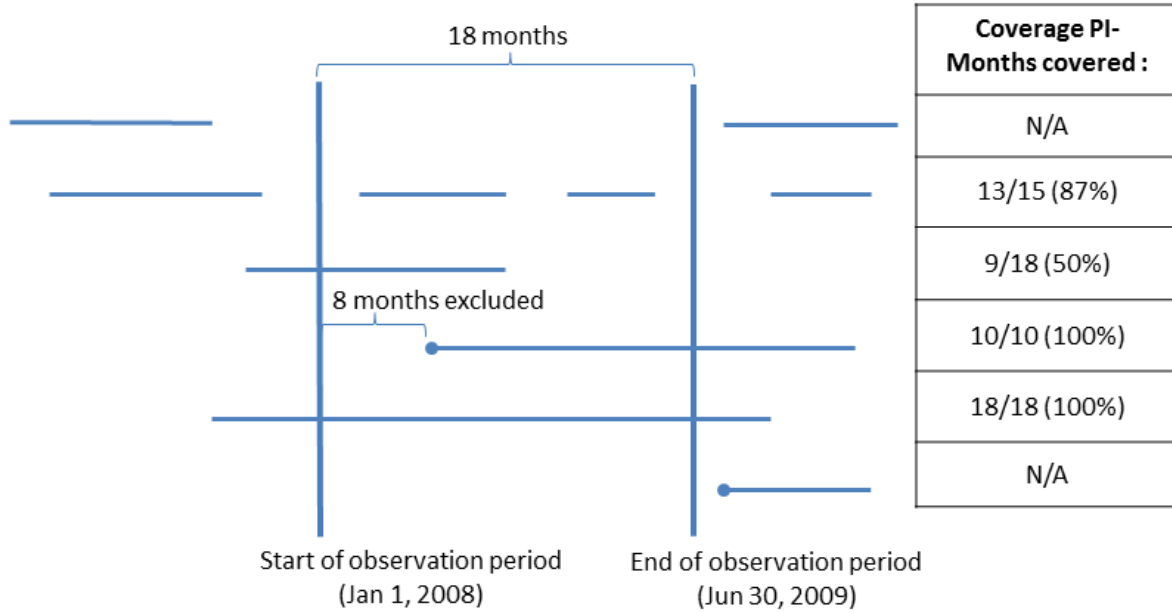
1. Identify total number of months covered by Medicaid or M-CHIP for each child in the eligible population. A month is considered “covered” if the child has greater than 14 days of enrollment in that month.
2. If data available (e.g. a state with a separate CHIP program reporting its CHIP enrollment to CMS), determine months when a child experiencing a gap in coverage by Medicaid or M-CHIP was covered by S-CHIP.
3. Determine summation of total number of months covered within the 18-month observation window for all children in the eligible population.

**Compute percentage of months covered within the 18-month observation window.**

*Units:*

Report number and percentage.

**Coverage PI illustrated with six child examples:**



## APPENDIX I: COVERAGE PI FREQUENCY TABLES

### IA: Frequency tables by age group

Coverage Presumed Ineligible rates in 8 states, January 1, 2008-June 30, 2009.										
	All Children Age 0-18		Age <12 months		Ages 1-5		Ages 6-12		Ages 13-18	
	Metric	N	Metric	N	Metric	N	Metric	N	Metric	N
IL	0.9300 (0.9297,0.9303)	1,660,024	0.9443 (0.9436,0.9450)	272,824	0.9280 (0.9274,0.9286)	493,925	0.9269 (0.9263,0.9275)	552,727	0.9266 (0.9259,0.9273)	340,548
LA	0.9434 (0.9430,0.9438)	775,256	0.8945 (0.8932,0.8957)	139,319	0.9459 (0.9452,0.9466)	217,306	0.9572 (0.9566,0.9579)	252,534	0.9602 (0.9595,0.9610)	166,097
M T	0.8699 (0.8683,0.8714)	88,268	0.8805 (0.8769,0.8841)	157,99	0.8604 (0.8575,0.8634)	26,568	0.8716 (0.8688,0.8743)	28,667	0.8719 (0.8683,0.8754)	17,234
NC	0.9144 (0.9140,0.9147)	1,172,043	0.9304 (0.9296,0.9312)	207,964	0.9082 (0.9076,0.9089)	347,523	0.9129 (0.9122,0.9135)	383,687	0.9116 (0.9108,0.9125)	232,869
NH	0.8909 (0.8895,0.8923)	99,095	0.9060 (0.9027,0.9094)	14,979	0.8850 (0.8823,0.8877)	27,134	0.8928 (0.8904,0.8951)	34,654	0.8848 (0.8818,0.8878)	22,328
NY	0.9002 (0.8998,0.9005)	1,957,955	0.8965 (0.8958,0.8973)	353,994	0.8912 (0.8905,0.8918)	577,834	0.9021 (0.9015,0.9027)	606,132	0.9128 (0.9122,0.9135)	419,995
OR	0.8423 (0.8415,0.8431)	351,623	0.8594 (0.8576,0.8611)	66,659	0.8240 (0.8225,0.8255)	104,779	0.8447 (0.8433,0.8461)	112,942	0.8497 (0.8479,0.8515)	67,243
UT	0.8372 (0.8361,0.8383)	241,495	0.8461 (0.8439,0.8483)	54,204	0.8263 (0.8245,0.8282)	80,343	0.8443 (0.8424,0.8462)	72,060	0.8337 (0.8308,0.8366)	34,888

\*Note Coverage PI includes Medicaid, M-CHIP, and S-CHIP (when reported into MAX). Among the states above, New York alone does not report enrollment for all programs; NY S-CHIP is not reported.

**IB: Frequency tables by Medicaid/M-CHIP and S-CHIP program**

Coverage Presumed Ineligible rates in 8 states stratified by public insurance program type, January 1, 2008-June 30, 2009.				
	Medicaid/M-CHIP		S-CHIP	
	Metric	N	Metric	N
IL	0.9402 (0.9399,0.9405)	1517403	0.8214 (0.8199,0.8230)	142621
LA	0.9436 (0.8432,0.9440)	773968	0.8280 (0.8122,0.8438)	1288
M T	0.8684 (0.8666,0.8702)	66188	0.8742 (0.8711,0.8774)	22080
NC	0.9157 (0.9153,0.9161)	1022882	0.9050 (0.9039,0.9061)	149161
NH	0.8921 (0.8907,0.8936)	89593	0.8788 (0.8739,0.8837)	9502
NY	0.9002 (0.8998,0.9005)	1957955		
OR	0.8373 (0.8364,0.8381)	292259	0.8668 (0.8650,0.8687)	59364
UT	0.8344 (0.8332,0.8356)	190482	0.8477 (0.8454,0.8499)	51013
* New York does not report S-CHIP enrollment into MAX.				