



**Centers for Medicare & Medicaid  
Services  
CMS eXpedited Life Cycle (XLC)**

## **Medicaid and CHIP Program (MACPro)**

# **CQM 2018 - Childhood Immunization Status (CIS- CH) Core Measure PRA Document**

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# 1. Childhood Immunization Status (CIS-CH) Screenshots

## 1.1 Are you reporting on this measure?

The screenshot shows the Appian interface for the 'Childhood Immunization Status (CIS-CH)' measure. The top navigation bar includes 'News', 'Tasks (14)', 'Records', 'Reports', and 'Actions'. The user profile 'Appian' is visible in the top right. The main heading is 'Childhood Immunization Status (CIS-CH)' with the ID 'CMS-10434 OMB 0938-1188'. Below this, it specifies 'Medicaid and CHIP Child Core Quality Measures - PA - 2018'. On the right, there are buttons for 'REQUEST TECHNICAL ASSISTANCE', 'CLEAR', and 'VIEW ALL RESPONSES', along with a 'Request System Help' link and a 'View Implementation Guide' link. The main question is 'Are you reporting on this measure?\*' with radio buttons for 'Yes' (selected) and 'No'.

Figure 1: Are you reporting on this measure?

## 1.2 Measurement Specifications – Path 1

The screenshot shows the 'Measurement Specification' section. It has a 'Measurement Specification' header and a '+/-' icon. There are two radio button options: 'National Committee for Quality Assurance (NCQA) / Healthcare Effectiveness Data and Information Set (HEDIS)' (selected) and 'Other'. To the right, there is a dropdown menu labeled 'Specify version of HEDIS used\*' with 'Select Year' as the current selection.

Figure 2: Measurement Specifications – Path 1

## 1.3 Measurement Specifications – Path 2

The screenshot shows the 'Measurement Specification' section for Path 2. It has a 'Measurement Specification' header and a 'Collapse' link. There are two radio button options: 'National Committee for Quality Assurance (NCQA) / Healthcare Effectiveness Data and Information Set (HEDIS)' and 'Other' (selected). To the right, there is a text area with the instruction: 'Please describe the specifications that were used to calculate the measure and explain how they deviated from Core Set specifications. If you need additional space to describe your state's methodology, please attach a document to this report in the Report Documents section at the bottom of the screen.\*' Below the text area is a large empty text box for input.

Figure 3: Measurement Specifications – Path 2

# 1.4 Data Source

**Data Source** Collapse

Administrative Data

**What is the Administrative Data source?**  
Must select one or more

Medicaid Management Information System (MMIS)  
 Other

\* Specify

Hybrid (Administrative and Medical Records Data)

**What is the Administrative Data source?**  
Must select one or more

Medicaid Management Information System (MMIS)  
 Other

\* Specify

Electronic Health Records

**What is the Medical Records data source?**  
Must select only one

Electronic Health Record (EHR) Data  
 Paper  
 Both (EHR and Paper)

**Describe Electronic Health Records data source \***

**Specify \***

Figure 4 : Data Source

# 1.5 Date Range

News Tasks (14) Records Reports **Actions** Appian

**Date Range** Collapse

For all measures, states should report start and end dates for the measurement period. For some measures, the specifications require a "look-back period" before or after the measurement period to determine eligibility or utilization. The measurement period entered in the Start and End Date fields should not include the "look-back period."

**Start Date**

Select Month  Select Year

Month Year

**End Date**

Select Month  Select Year

Month Year

Figure 5: Date Range

# 1.6 Definition of Population Included in the Measure

## Definition of Population Included in the Measure

Collapse

### Definition of Denominator \*

- Denominator includes CHIP (Title XXI) population only
- Denominator includes Medicaid (Title XIX) population only
- Denominator includes CHIP and Medicaid (Title XIX)

If the denominator is a subset of the definition selected above, please further define the denominator, and indicate the number of children excluded

Does this denominator represent your total measure-eligible population as defined by the Technical Specifications for this measure? \*

- Yes
- No

What is the sample size? \*

What is the measure-eligible population? \*

### Which delivery systems are represented in the Denominator? \*

Select all delivery systems that apply in your state (must select at least one); for each delivery system selected, enter the percentage of the measure-eligible population represented by that service delivery system. For example, if the measure-eligible population represents all managed care enrollees, enter 100 percent for MCO.

- Fee-for-Service
- Primary Care Case Management (PCCM)
- Managed Care Organization / Pre-paid Inpatient Health Plan (MCO / PIHP)

### Percentage of total state FFS population represented \*

The percentage provided here should represent the percentage of the denominator population(s) included in the measure (i.e., Medicaid, CHIP, etc.) that receives items/services through the selected delivery system. For example, if the population included in the reported data represents all managed care enrollees and half of your state's fee-for-service enrollees, select managed care and enter 100, and select fee-for-service and enter 50.

### Percentage of total state PCCM population represented \*

The percentage provided here should represent the percentage of the denominator population(s) included in the measure (i.e., Medicaid, CHIP, etc.) that receives items/services through the selected delivery system. For example, if the population included in the reported data represents all managed care enrollees and half of your state's fee-for-service enrollees, select managed care and enter 100, and select fee-for-service and enter 50.

### Number of Health Plans \*

### Percentage of total state MCO/PIHP population represented \*

The percentage provided here should represent the percentage of the denominator population(s) included in the measure (i.e., Medicaid, CHIP, etc.) that receives items/services through the selected delivery system. For example, if the population included in the reported data represents all managed care enrollees and half of your state's fee-for-service enrollees, select managed care and enter 100, and select fee-for-service and enter 50.

### Percentage of total state ICM population represented \*

The percentage provided here should represent the percentage of the denominator population(s) included in the measure (i.e., Medicaid, CHIP, etc.) that receives items/services through the selected delivery system. For example, if the population included in the reported data represents all managed care enrollees and half of your state's fee-for-service enrollees, select managed care and enter 100, and select fee-for-service and enter 50.

### Describe \*

### Percentage of total other population represented \*

The percentage provided here should represent the percentage of the denominator population(s) included in the measure (i.e., Medicaid, CHIP, etc.) that receives items/services through the selected delivery system. For example, if the population included in the reported data represents all managed care enrollees and half of your state's fee-for-service enrollees, select managed care and enter 100, and select fee-for-service and enter 50.

If applicable, list the number of Health Plans represented

Figure 6: Definition of Population Included in the Measure

# 1.7 Performance Measure - Path 1 – Screenshot 1

The screenshot shows a web interface for a performance measure. At the top, there is a navigation bar with 'News', 'Tasks (14)', 'Records', 'Reports', and 'Actions' (which is highlighted). A user profile icon for 'Appian' is in the top right. Below the navigation bar, the page title is 'Performance Measure' with a 'Collapse' link. The main content area contains the following text: 'Percentage of children age 2 who had four diphtheria, tetanus and acellular pertussis (DTaP); three polio (IPV); one measles, mumps and rubella (MMR); three haemophilus influenza type B (HIB); three hepatitis B (Hep B), one chicken pox (VZV); four pneumococcal conjugate (PCV); one hepatitis A (HepA); two or three rotavirus (RV); and two influenza (flu) vaccines by their second birthday. The measure calculates a rate for each vaccine and nine separate combination rates.' Below this is an instruction: 'Enter rate values to one decimal place (XX.X). If your rate ends in .0, note that the .0 will not be retained on the screen and the whole number will be displayed instead.' There are two sections for data entry. The first is for 'DTaP', with a checkbox and a text area labeled 'Please explain why data was not entered for this numerator/denominator/rate set \*'. The second is for 'IPV', also with a checkbox and a text area with the same label. Both text areas have a character count of '0/4000'.

Figure 7: Performance Measure - Path 1 – Screenshot 1

## 1.8 Performance Measure - Path 1 – Screenshot 2

MMR  
**Please explain why data was not entered for this numerator/denominator/rate set \***

Character count: 0/4000

Hib  
**Please explain why data was not entered for this numerator/denominator/rate set \***

Character count: 0/4000

Hep B  
**Please explain why data was not entered for this numerator/denominator/rate set \***

Character count: 0/4000

VZV  
**Please explain why data was not entered for this numerator/denominator/rate set \***

Character count: 0/4000

PCV  
**Please explain why data was not entered for this numerator/denominator/rate set \***

Character count: 0/4000

Hep A  
**Please explain why data was not entered for this numerator/denominator/rate set \***

Character count: 0/4000

RV  
**Please explain why data was not entered for this numerator/denominator/rate set \***

Character count: 0/4000

Flu  
**Please explain why data was not entered for this numerator/denominator/rate set \***

Character count: 0/4000

Figure 8: Performance Measure - Path 1 – Screenshot 2



## 1.9 Performance Measure - Path 1 – Screenshot 3

Combo 2  
Please explain why data was not entered for this numerator/denominator/rate set\*

Character count: 0/4000

Combo 3  
Please explain why data was not entered for this numerator/denominator/rate set\*

Character count: 0/4000

Combo 4  
Please explain why data was not entered for this numerator/denominator/rate set\*

Character count: 0/4000

Combo 5  
Please explain why data was not entered for this numerator/denominator/rate set\*

Character count: 0/4000

Figure 9: Performance Measure - Path 1 – Screenshot 3

## 1.10 Performance Measure - Path 1 – Screenshot 4

Combo 6  
**Please explain why data was not entered for this numerator/denominator/rate set \***

Character count: 0/4000

Combo 7  
**Please explain why data was not entered for this numerator/denominator/rate set \***

Character count: 0/4000

Combo 8  
**Please explain why data was not entered for this numerator/denominator/rate set \***

Character count: 0/4000

Combo 9  
**Please explain why data was not entered for this numerator/denominator/rate set \***

Character count: 0/4000

Combo 10  
**Please explain why data was not entered for this numerator/denominator/rate set \***

Character count: 0/4000

Figure 10: Performance Measure - Path 1 – Screenshot 4

# 1.11 Performance Measure – Path 2- Screenshot 1

**Performance Measure** Collapse

Percentage of children age 2 who had four diphtheria, tetanus and acellular pertussis (DTaP); three polio (IPV); one measles, mumps and rubella (MMR); three haemophilus influenza type B (HIB); three hepatitis B (Hep B), one chicken pox (VZV); four pneumococcal conjugate (PCV); one hepatitis A (Hep A); two or three rotavirus (RV); and two influenza (flu) vaccines by their second birthday. The measure calculates a rate for each vaccine and nine separate combination rates.

Enter rate values to one decimal place (XX.X). If your rate ends in .0, note that the .0 will not be retained on the screen and the whole number will be displayed instead.

DTaP

Numerator	Denominator	Rate
0	0	0

IPV

Numerator	Denominator	Rate
0	0	0

MMR

Numerator	Denominator	Rate

*Note: A tooltip message "Rate should be greater than zero" is visible over the Rate field for the DTaP row.*

Figure 11: Performance Measure – Path 2- Screenshot 1

# 1.12 Performance Measure – Path 2 – Screenshot 2

HIB

Numerator	Denominator	Rate
0	0	0

Hep B

Numerator	Denominator	Rate
0	0	0

VZV

Numerator	Denominator	Rate
0	0	0

PCV

Numerator	Denominator	Rate

Figure 12: Performance Measure – Path 2 – Screenshot 2

### 1.13 Performance Measure – Path 2 – Screenshot 3, 4, 5

<input checked="" type="checkbox"/> Hep A		
Numerator	Denominator	Rate
0	0	0
<input checked="" type="checkbox"/> RV		
Numerator	Denominator	Rate
0	0	0
<input checked="" type="checkbox"/> Flu		
Numerator	Denominator	Rate
0	0	0
<input checked="" type="checkbox"/> Combo 2		
Numerator	Denominator	Rate
0	0	0

Figure 13: Performance Measure – Path 2- Screenshot 3

<input checked="" type="checkbox"/> Combo 3		
Numerator	Denominator	Rate
0	0	0
<input checked="" type="checkbox"/> Combo 4		
Numerator	Denominator	Rate
0	0	0
<input checked="" type="checkbox"/> Combo 5		
Numerator	Denominator	Rate
0	0	0
<input checked="" type="checkbox"/> Combo 6		
Numerator	Denominator	Rate
0	0	0

Figure 14: Performance Measure – Path 2- Screenshot 4

Combo 7

Numerator	Denominator	Rate
0	0	0

Combo 8

Numerator	Denominator	Rate
0	0	0

Combo 9

Numerator	Denominator	Rate
0	0	0

Combo 10

Numerator	Denominator	Rate
0	0	0

**Figure 15: Performance Measure – Path 2- Screenshot 5**

# 1.14 Deviations from Measure Specifications – Path 1-Screenshot 1

## Deviations from Measure Specifications

Collapse

Did your calculation of the measure deviate from the measure specification in any way? \*

- Yes
- No

Please select and explain the deviation(s)

**DTaP**

- Numerator
- Denominator
- Other

**IPV**

- Numerator
- Denominator
- Other

**MMR**

- Numerator
- Denominator
- Other

**HiB**

- Numerator
- Denominator
- Other

**Hep B**

- Numerator
- Denominator
- Other

**VZV**

- Numerator
- Denominator
- Other

**PCV**

- Numerator
- Denominator
- Other

**Hep A**

- Numerator
- Denominator
- Other

**RV**

- Numerator
- Denominator
- Other

**Flu**

- Numerator
- Denominator
- Other

Figure 16: Deviations from Measure Specifications – Path 1 Screenshot 1

## 1.15 Deviations from Measure Specifications – Path 1- Screenshot 2

- Combo 3**
  - Numerator
  - Denominator
  - Other
- Combo 4**
  - Numerator
  - Denominator
  - Other
- Combo 5**
  - Numerator
  - Denominator
  - Other
- Combo 6**
  - Numerator
  - Denominator
  - Other
- Combo 7**
  - Numerator
  - Denominator
  - Other
- Combo 8**
  - Numerator
  - Denominator
  - Other
- Combo 9**
  - Numerator
  - Denominator
  - Other
- Combo 10**
  - Numerator
  - Denominator
  - Other

Figure 17: Deviations from Measure Specifications – Path 1 - Screenshot 2

## 1.16 Deviations from Measure Specifications- Path 2

Note: Same N/D/R sets are displayed under each of the specification categories shown above

**Deviations from Measure Specifications** Collapse

Did your calculation of the measure deviate from the measure specification in any way? \*

Yes  
 No

Please select and explain the deviation(s)

**DTaP**

Numerator Explain \*

Denominator Explain \*

Other Explain \*

Figure 18: Deviations from Measure Specifications – Path 2

## 1.17 Combined Rate(s) from Multiple Reporting Units

News Tasks (13) Records Reports Actions Appian

**Combined Rate(s) from Multiple Reporting Units** Collapse

Did you Combine Rates from Multiple Reporting Units (e.g., health plans, delivery systems, programs) to Create a State-Level Rate? \*

Yes  
 No

If yes, indicate whether the state-level rate is weighted

The rates are weighted based on the size of the measure-eligible population for each reporting unit  
 The rates are weighted based on another weighting factor

Describe the other weighting factor:

The rates are not weighted

Figure 19: Combined Rate(s) from Multiple Reporting Units

## 1.18 Additional Notes/Comments on Measure

News Tasks (13) Records Reports Actions Appian

**Additional Notes/Comments on Measure (Optional)** Collapse

Character count: 0/4000

Figure 20: Additional Notes/Comments on Measure (Optional)



## 1.19 Optional Measure Stratification – Screenshot 1

Note: Same N/D/R sets are displayed under each of the stratification categories

**Optional Measure Stratification**

If this measure is also reported by additional classifications/sub-categories, e.g. racial, ethnic, sex, language, disability status, or geography, complete the following as applicable.

Enter rate values to one decimal place (XX.X). If your rate ends in .0, note that the .0 will not be retained on the screen and the whole number will be displayed instead.

**Check all that apply**

- Race (Non-Hispanic)
  - White

Classification/Sub-category	Numerator	Denominator	Rate	
DTap	0	0	0	Clear Row
IPV	0	0	0	Clear Row
MMR	0	0	0	Clear Row
HIB	0	0	0	Clear Row
Hep B	0	0	0	Clear Row
VZV	0	0	0	Clear Row
PCV	0	0	0	Clear Row
Hep A	0	0	0	Clear Row
RV	0	0	0	Clear Row
Flu	0	0	0	Clear Row

Figure 21: Optional Measure Stratification – Screenshot 1

## 1.20 Optional Measure Stratification – Screenshot 2

Measure	Count 1	Count 2	Count 3	Count 4	Action
Flu	0	0	0	0	Clear Row
Combo 2	0	0	0	0	Clear Row
Combo 3	0	0	0	0	Clear Row
Combo 4	0	0	0	0	Clear Row
Combo 5	0	0	0	0	Clear Row
Combo 6	0	0	0	0	Clear Row
Combo 7	0	0	0	0	Clear Row
Combo 8	0	0	0	0	Clear Row
Combo 9	0	0	0	0	Clear Row
Combo 10	0	0	0	0	Clear Row

Black or African American  
 American Indian or Alaska Native  
 Asian  
 Native Hawaiian or Other Pacific Islander  
 + Additional Race(s)  
 Ethnicity  
 Hispanic or Latino  
 Not Hispanic or Latino

Figure 22: Optional Measure Stratification – Screenshot 2

## 1.21 Optional Measure Stratification – Screenshot 3

Sex  
 Male  
 Female  
 Primary Spoken Language  
 English  
 Spanish  
 + Additional Primary Spoken Language(s)  
 Disability Status  
 SSI  
 Non-SSI  
 + Additional Disability Status(es)  
 Geography  
 Urban  
 Rural  
 + Additional Geographies

Figure 23: Optional Measure Stratification – Screenshot 3

## Appendix A: Acronyms

Table 1: Acronyms

Acronym	Definition
<b>CQM</b>	Child Quality Measures
<b>PRA</b>	Paperwork Reduction Act of 1995