



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

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

# **CQM 2017 - Childhood Immunization Status (CIS) Core Measure PRA Document**

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**Version 1.0**

**08/25/2017**

**Document Number:** 265-QSSI-MACPro-PRA-CQM2017-CIS-D

**Contract Number:** HHSM-500-2007-00024I: HHSM-500-T0014

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# 1. Childhood Immunization Status (CIS) Screenshots

## 1.1 Measurement Specifications – Path 1

**Measurement Specification**

National Committee for Quality Assurance (NCQA) / Healthcare Effectiveness Data and Information Set (HEDIS) +/-

Other

**Specify version of HEDIS used \***

Select Year

Figure 1: Measurement Specifications – Path 1

## 1.2 Measurement Specifications – Path 2

**Measurement Specification**

National Committee for Quality Assurance (NCQA) / Healthcare Effectiveness Data and Information Set (HEDIS) +/-

Other

**Explain \***

Figure 2: Measurement Specifications – Path 2

## 1.3 Data Source

News Tasks (3) **Records** Reports Actions Appian

**Data Source** +/-

Administrative Data

**From where is the Administrative Data coming?**  
Must select one or more

Medicaid Management Information System (MMIS)

Other

\* Specify

Hybrid (Administrative and Medical Records Data)

**From where is the Administrative Data coming?**  
Must select one or more

Medicaid Management Information System (MMIS)

Other

\* Specify

Other

**From where is the Medical Records Data coming?**  
Must select only one

Electronic Health Record (EHR) Data

Paper

Both (EHR and Paper)

**Specify \***

Figure 3 : Data Source

## 1.4 Performance Measure - Path 1 – Screenshot 1

The screenshot shows the 'Performance Measure' section of a software interface. At the top, there is a navigation bar with 'News', 'Tasks (3)', 'Records', 'Reports', and 'Actions'. A user profile icon for 'Applan' is in the top right. Below the navigation bar, the title 'Performance Measure' is displayed. A detailed description of the measure is provided: 'Percentage of children 2 years old 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.' Below this, instructions state: '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.' The 'DTaP' checkbox is selected. A text input field is provided for explaining why data was not entered, with a character count of 0/4000. Below this, the 'IPV' checkbox is also selected, followed by another text input field and character count. The 'MMR' checkbox is unselected, followed by a third text input field and character count. The 'HIB' checkbox is unselected, followed by a fourth text input field and character count.

Figure 4: Performance Measure - Path 1 – Screenshot 1

## 1.5 Performance Measure - Path 1 – Screenshot 2

This screenshot shows the lower portion of the 'Performance Measure' interface. It features the same navigation bar and user profile as the previous screenshot. The 'HIB' checkbox is unselected, followed by a text input field for explaining why data was not entered (0/4000 characters). The 'Hep B' checkbox is unselected, followed by another text input field (0/4000). The 'VZV' checkbox is unselected, followed by a third text input field (0/4000). The 'PCV' checkbox is unselected, followed by a fourth text input field (0/4000).

Figure 5: Performance Measure - Path 1 – Screenshot 2

## 1.6 Performance Measure - Path 1 – Screenshot 3

The screenshot shows a web application interface with a dark blue header bar. The header contains navigation tabs: 'News', 'Tasks (3)', 'Records' (highlighted), 'Reports', and 'Actions'. On the right side of the header, there is a user profile icon and the name 'Appian'. Below the header, the main content area displays a list of four performance measure items. Each item consists of a checkbox, a label, and a text input field. The items are: 1) 'Hep A' with a character count of 0/4000; 2) 'RV' with a character count of 0/4000; 3) 'Flu' with a character count of 0/4000; and 4) 'Combo 2' with a character count of 0/4000. Each item has a text input field with the placeholder text 'Please explain why data was not entered for this numerator/denominator/rate set \*'. The input fields are currently empty.

Figure 6: Performance Measure - Path 1 – Screenshot 3

## 1.7 Performance Measure - Path 1 – Screenshot 4

The screenshot shows a web application interface with a dark blue header bar. The header contains navigation tabs: 'News', 'Tasks (3)', 'Records' (highlighted), 'Reports', and 'Actions'. On the right side of the header, there is a user profile icon and the name 'Appian'. Below the header, the main content area displays a list of four performance measure items. Each item consists of a checkbox, a label, and a text input field. The items are: 1) 'Combo 3' with a character count of 0/4000; 2) 'Combo 4' with a character count of 0/4000; 3) 'Combo 5' with a character count of 0/4000; and 4) 'Combo 6' with a character count of 0/4000. Each item has a text input field with the placeholder text 'Please explain why data was not entered for this numerator/denominator/rate set \*'. The input fields are currently empty.

Figure 7: Performance Measure - Path 1 – Screenshot 4

## 1.8 Performance Measure - Path 1 – Screenshot 5

The screenshot shows a web interface with a top navigation bar containing 'News', 'Tasks (3)', 'Records', 'Reports', and 'Actions'. A user profile icon for 'Applan' is in the top right. The main content area contains four identical sections, each starting with a checkbox labeled 'Combo 7' through 'Combo 10'. Below each checkbox is a text prompt: 'Please explain why data was not entered for this numerator/denominator/rate set \*'. Underneath each prompt is a large, empty text input field. At the bottom of each input field, it says 'Character count: 0/4000'.

Figure 8: Performance Measure - Path 1 – Screenshot 5

## 1.9 Performance Measure - Path 2 – Screenshot 1

The screenshot shows a web interface with a top navigation bar containing 'News', 'Tasks (3)', 'Records', 'Reports', and 'Actions'. A user profile icon for 'Applan' is in the top right. The main content area is titled 'Performance Measure' and includes a detailed description of the measure: 'Percentage of children 2 years old 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.' Below this is a note: 'Enter rate values to one decimal place (XXX). 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 six checkboxes, all of which are checked: 'DTaP', 'IPV', 'MMR', 'HIB', 'Hep B', and 'VZV'. Each checked checkbox is followed by a table with three columns: 'Numerator', 'Denominator', and 'Rate'. Each table row has a text input field with the number '0' entered in each of the three columns. The 'Rate' column input fields have a red border.

Figure 9: Performance Measure - Path 2 – Screenshot 1

### 1.10 Performance Measure - Path 2 – Screenshot 2

The screenshot displays a web interface with a navigation bar at the top containing 'News', 'Tasks (3)', 'Records', 'Reports', and 'Actions'. A user profile icon for 'Applan' is visible in the top right. The main content area lists seven performance measures, each with a checked checkbox, a 'Numerator' field containing '0', a 'Denominator' field containing '0', and a 'Rate' field containing '0'. The measures are: VZV, PCV, Hep A, RV, Flu, Combo 2, and Combo 3.

Figure 10: Performance Measure - Path 2 – Screenshot 2

### 1.11 Performance Measure - Path 2 – Screenshot 3

The screenshot displays a web interface similar to Figure 10, with a navigation bar and user profile. The main content area lists seven performance measures, each with a checked checkbox, a 'Numerator' field containing '0', a 'Denominator' field containing '0', and a 'Rate' field containing '0'. The measures are: Combo 4, Combo 5, Combo 6, Combo 7, Combo 8, Combo 9, and Combo 10.

Figure 11: Performance Measure - Path 2 – Screenshot 3



## 1.12 Deviations from Measure Specifications – Screenshot 1

News Tasks (3) **Records** Reports Actions Appian

### Deviations from Measure Specifications

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 \*

**IPV**

Numerator Explain \*

Figure 12: Deviations from Measure Specifications – Screenshot 1

## 1.13 Deviations from Measure Specifications – Screenshot 2

News Tasks (3) **Records** Reports Actions Appian

Denominator Explain \*

Other Explain \*

**MMR**

Numerator Explain \*

Denominator Explain \*

Other Explain \*

Figure 13: Deviations from Measure Specifications – Screenshot 2

### 1.14 Deviations from Measure Specifications – Screenshot 3

The screenshot shows a web application interface with a top navigation bar containing 'News', 'Tasks (3)', 'Records' (highlighted), 'Reports', and 'Actions'. A user profile icon for 'Appian' is in the top right. The main content area is divided into two columns. The left column lists deviations for two measures: 'HIB' and 'Hep B'. Under 'HIB', there are three entries: 'Numerator' (checked), 'Denominator' (checked), and 'Other' (checked). Under 'Hep B', there are two entries: 'Numerator' (checked) and 'Denominator' (checked). The right column contains corresponding 'Explain' text boxes for each checked item, each with a small 'Explain \*' label above it.

Figure 14: Deviations from Measure Specifications – Screenshot 3

### 1.15 Deviations from Measure Specifications – Screenshot 4

The screenshot shows the same web application interface as Figure 14. The 'Records' tab is active. The left column lists deviations for two measures: 'VZV' and 'PCV'. Under 'VZV', there are two entries: 'Numerator' (checked) and 'Denominator' (checked). Under 'PCV', there are two entries: 'Denominator' (checked) and 'Other' (checked). The right column contains corresponding 'Explain' text boxes for each checked item, each with a small 'Explain \*' label above it.

Figure 15: Deviations from Measure Specifications – Screenshot 4

## 1.16 Deviations from Measure Specifications – Screenshot 5

News Tasks (3) **Records** Reports Actions

Appian

PCV

- Numerator
- Denominator
- Other

Hep A

- Numerator
- Denominator

Flu

- Numerator

Explain \*

Explain \*

Explain \*

Explain \*

Explain \*

Figure 16: Deviations from Measure Specifications – Screenshot 5

## 1.17 Deviations from Measure Specifications – Screenshot 6

News Tasks (3) **Records** Reports Actions

Appian

- Other

RV

- Numerator
- Denominator

- Other

Flu

- Numerator

Explain \*

Explain \*

Explain \*

Explain \*

Explain \*

Figure 17: Deviations from Measure Specifications – Screenshot 6

## 1.18 Deviations from Measure Specifications – Screenshot 7

News Tasks (3) **Records** Reports Actions

Appian

- Denominator
- Other
- Combo 2**
  - Numerator
- Denominator
- Other

Explain \*

Explain \*

Explain \*

Explain \*

Explain \*

Figure 18: Deviations from Measure Specifications – Screenshot 7

## 1.19 Deviations from Measure Specifications – Screenshot 8

News Tasks (3) **Records** Reports Actions

Appian

- Combo 3**
  - Numerator
- Denominator
- Other
- Combo 4**
  - Numerator
- Denominator

Explain \*

Explain \*

Explain \*

Explain \*

Explain \*

Figure 19: Deviations from Measure Specifications – Screenshot 8

## 1.20 Deviations from Measure Specifications – Screenshot 9

The screenshot shows a web application interface with a top navigation bar containing 'News', 'Tasks (3)', 'Records' (highlighted), 'Reports', and 'Actions'. A user profile icon for 'Appian' is in the top right. The main content area is divided into two columns. The left column contains a list of deviation items, each with a checked checkbox and a label: 'Denominator', 'Other', 'Combo 5' (with a sub-item 'Numerator'), 'Denominator', 'Other', and 'Combo 6' (with a sub-item 'Numerator'). The right column contains a series of empty text boxes, each preceded by the label 'Explain \*'. A vertical scrollbar is visible on the right side of the interface.

Figure 20: Deviations from Measure Specifications – Screenshot 9

## 1.21 Deviations from Measure Specifications – Screenshot 10

The screenshot shows the same web application interface as Figure 20. The 'Records' tab is active. The list of deviation items in the left column is: 'Combo 6' (with a sub-item 'Numerator'), 'Denominator', 'Other', 'Combo 7' (with a sub-item 'Numerator'), and 'Denominator'. The right column contains five empty text boxes, each preceded by the label 'Explain \*'. A vertical scrollbar is visible on the right side of the interface.

Figure 21: Deviations from Measure Specifications – Screenshot 10

## 1.22 Deviations from Measure Specifications – Screenshot 11

Figure 22: Deviations from Measure Specifications – Screenshot 11

## 1.23 Deviations from Measure Specifications – Screenshot 12

Figure 23: Deviations from Measure Specifications – Screenshot 12

## 1.24 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	Clear Row
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 24: Optional Measure Stratification – Screenshot 1

## 1.25 Optional Measure Stratification – Screenshot 2

The screenshot displays the 'Records' tab of the optional measure stratification tool. At the top, there are navigation tabs: 'News', 'Tasks (3)', 'Records' (selected), 'Reports', and 'Actions'. The user's name 'Appian' is visible in the top right corner. The main content area shows a table with the following structure:

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

Below the table, there are several filter categories with checkboxes:

- 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

At the bottom right, there is a link: '+ Additional/Alternative Classification/Sub-category'.

Figure 25: Optional Measure Stratification – Screenshot 2

## 1.26 Optional Measure Stratification – Screenshot 3

The screenshot displays the 'Reports' tab of the optional measure stratification tool. At the top, there are navigation tabs: 'News', 'Tasks (3)', 'Records', 'Reports' (selected), and 'Actions'. The user's name 'Appian' is visible in the top right corner. The main content area shows a list of filter categories with checkboxes:

- 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

Below the filters is the 'Report Documents' section. It includes a sub-section 'Saved Documents' with the following details:

- Maximum documents that can be uploaded for this report: 84
- Maximum file size: 2MB
- Valid file extensions: pdf; ppt; doc; docx; xls; xlsx; pptx

There is a table for saved documents with the following columns: Name, Description, Date Created, Updated By, Size, and Type. The table is currently empty, showing 'No items available'.

At the bottom left, there is an 'UPLOAD' button with a document icon. At the bottom right, there are two buttons: 'DELETE DOCUMENT(S)' and 'SAVE DOCUMENT(S)'.

Figure 26: 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