

## Childhood Immunization Status (Combo 2)

### Measure Basic Information

**Name and date of specifications used:** HEDIS® 2018 Technical Specifications for Health Plans (Volume 2)

**URL of Specifications:**

n/a

**Measure Type:**

HEDIS ☒ PQI ☐ Survey ☐ Other ☐ Specify:

**Measure Utility:**

CCO Incentive ☒ State Quality Measure ☒ CMS Adult Core Set ☐ CMS Child Core Set ☒  
Other ☐ Specify:

**Data Source:**

MMIS/DSSURS and Public Health Division Immunization Program Registry (ALERT)

See the ALERT IIS Data Use Cases document posted online for additional information about ALERT data.

<http://www.oregon.gov/oha/analytics/Pages/CCO-Baseline-Data.aspx>

**Measurement Period:** January 1 – December 31, 2018

**2013 Benchmark:** 82%, 2012 National Medicaid 75<sup>th</sup> percentile (Combo 2)

**2014 Benchmark:** 82% 2013 National Medicaid 75<sup>th</sup> percentile (Combo 2)

**2015 Benchmark:** 82% 2014 National Medicaid 75<sup>th</sup> percentile (Combo 2)

**2016 Benchmark:** 82% 2015 National Medicaid 75<sup>th</sup> percentile (Combo 2)

**2017 Benchmark:** 78.6% 2016 National Medicaid 75<sup>th</sup> percentile (Combo 2)

**2018 Benchmark:** 79.1% 2017 National Medicaid 75<sup>th</sup> percentile (Combo 2)

**2018 Improvement Targets:** Minnesota method with 2 percentage point floor.

**Incentive Measure changes in specifications from 2017 to 2018:**

OHA is using HEDIS 2018 specifications for all 2018 measurement. Changes from HEDIS 2017 to 2018 include:

- Revised the Data Elements for Reporting table when using the hybrid method. Note as OHA is only using administrative data to calculate this measure, this change does not apply.
- HEDIS 2018 added CVX 107 to DTaP Vaccine Administered Value Set, CVX 89 to Inactivated Polio Vaccine (IPV) Administered Value Set, CVX 17 to Haemophilus Influenzae Type B (HiB) Vaccine Administered Value Set, and CVX 45 to Hepatitis B Vaccine Administered Value Set. To note, these codes have been included in the 'OHA additional CVX' code set, therefore it does not result in any calculation changes for OHA.

*HEDIS specifications are written for multiple lines of business and include a broad set of codes that could be used for measurement. Codes OHA is not using include, but are not limited to, LOINC, CPT, and HCPCS codes that are not open to Medicaid in Oregon. A general rule of thumb is that only CPT/HCPCS codes associated with the prioritized list will be used to calculate the measures; however as some measure specifications include denied claims, a claim that was denied because it included codes not on the prioritized list might still be counted toward the measure.*

*OHA is following HEDIS guidelines for Effectiveness of Care, Access/Availability of Care, Experience of Care, and Utilization measures to determine which services count. OHA is not using all codes listed in the HEDIS specifications.*

**Member type:** CCO A ☒

CCO B ☒

CCO G ☐

## Measure Details

### Data elements required denominator:

Children who turn 2 years of age during the measurement year. See HEDIS® 2018 Technical Specification for Health Plans (Volume 2) for details.

### Required exclusions for denominator:

See continuous enrollment criteria. (OHA does not apply any optional exclusions.)

**Deviations from cited specifications for denominator:** None.

### Data elements required numerator:

OHA is using HEDIS® 2018 Combination 2 for the state performance measure: The number of children who turned 2 years of age in the measurement year and had all of the following specified vaccinations.

- DTaP – at least four DTaP vaccinations (DTaP Vaccine Administered Value Set), with different dates of service on or before the child’s second birthday.
- IPV – at least three IPV vaccinations (Inactivated Polio Vaccine (IPV) Administered Value Set), with different dates of service on or before the child’s second birthday.
- MMR – Any of the following on or before the child’s 2<sup>nd</sup> birthday:
  - At least one MMR vaccination (Measles, Mumps and Rubella (MMR) Vaccine Administered Value Set), OR one measles and rubella vaccination (Measles/Rubella Vaccine Administered Value Set), OR one measles vaccination (Measles Vaccine Administered Value Set), OR one mumps vaccination (Mumps Vaccine Administered Value Set), OR one rubella vaccination (Rubella Vaccine Administered Value Set). OHA omits the HEDIS requirement for the combination of subcategories in the following bullet points, which compensates the effect that ALERT data is unable to provide reliable disease histories.

*Note: General Guideline 39 (i.e., the 14-day rule) does not apply to MMR.*

- **HiB** – At least three HiB vaccinations (Haemophilus Influenzae Type B (HiB) Vaccine Administered Value Set), with different dates of service on or before the child’s second birthday.
- **Hepatitis B** – At least three hepatitis B vaccinations (Hepatitis B Vaccine Administered Value Set), with different dates of service on or before the child’s second birthday; or history of hepatitis illness (Hepatitis B Value Set).
- **VZV** – At least on VZV vaccination (Varicella Zoster (VZV) Vaccine Administered Value Set), with a date of service falling on or before the child’s second birthday; or history of varicella zoster (e.g., chicken pox) illness (Varicella Zoster Value Set).

NOTE OHA relies on the Public Health Division Immunization Program Registry (ALERT) data which provides records with CVX codes. In 2017, HEDIS incorporated CVX codes into the Value Set Directory Workbook; OHA is adopting the HEDIS numerator CVX codes, with additional inactive and formula unspecified codes that are still in use but verified by ALERT. See table below.

In addition, ALERT IIS data currently does not reliably capture disease history, therefore OHA deviates from HEIDS and does not check the disease histories. Further improvement for ALERT IIS to indicate disease histories might be made in 2018, and OHA will revisit the deviation.

While the ALERT IIS does include MMIS claims/encounter data as one of the registry data sources<sup>1</sup>, OHA does not directly calculate the measure from the MMIS/DSSURS claim/encounter data and the CPT/ICD codes in the table below are provided for reference only.

For more information: <http://www.oregon.gov/oha/analytics/Pages/CCO-Baseline-Data.aspx>

Value Set Name	HEDIS CVX		OHA additional CVX	From HEDIS 2017 Value Set (reference-only)		
				CPT/HCPCS	ICD9CM-Diagnosis	ICD10 CM Diagnosis
DTaP Vaccine Administered	20, 50, 106, 107, 110, 120		01, 09, 11, 12, 22, 28, 102, 107, 113, 115, 130, 132	90698, 90700, 90721, 90723		
Inactivated Polio Vaccine (IPV) Administered	10, 89, 110, 120		2, 89, 130, 132	90698, 90713, 90723		
Measles, Mumps and Rubella (MMR) Vaccine Administered	Members received any of these CVX codes are counted	03, 94		90707, 90710		
Measles/Rubella Vaccine Administered		04		90708		

<sup>1</sup> For reference, ALERT follows the CPT to CVX mapping from CMS: <http://www2a.cdc.gov/vaccines/iis/iisstandards/vaccines.asp?rpt=cpt>

Value Set Name	HEDIS CVX		OHA additional CVX	From HEDIS 2017 Value Set (reference-only)		
				CPT/HCPCS	ICD9CM-Diagnosis	ICD10 CM Diagnosis
Measles Vaccine Administered	as compliant in the MMR category	05		90705		
Mumps Vaccine Administered		07	38	90704		
Rubella Vaccine Administered		06	38	90706		
Measles					055.0, 055.1, 055.2, 055.71, 055.79, 055.8, 055.9	B05.0, B05.1, B05.2, B05.3, B05.4, B05.81, B05.89, B05.9
Mumps					072.0-072.3, 072.71, 072.72, 072.79, 072.8, 072.9	B26.0, B26.1, B26.2, B26.3, B26.81, B26.82, B26.83, B26.84, B26.85, B26.89, B26.9
Rubella					056.00, 056.01, 056.09, 056.71, 056.79, 056.8, 056.9	B06.00, B06.01, B06.02, B06.09, B06.81, B06.82, B06.89, B06.9
Haemophilus Influenzae Type B (HiB) Vaccine Administered	17, 46 – 51, 120, 148	17, 22, 45, 102, 132		90644, 90645-90648, 90698, 90721, 90748		
Hepatitis B Vaccine Administered	08, 44, 45, 51, 110	42, 43, 45, 102, 104, 132		90723, 90740, 90744, 90747, 90748, G0010		
Hepatitis B					070.20-070.23, 070.30-070.33, V02.61	B16.0, B16.1, B16.2, B16.9, B17.0, B18.0, B18.1, B19.10, B19.11, Z22.51
Varicella Zoster (VZV) Vaccine Administered	21, 94	36, 117		90710, 90716		
Varicella Zoster					052.x, 053.0, 053.1x, 053.20-053.22, 053.29, 053.71, 053.79, 053.8, 053.9	B01.0, B01.11, B01.12, B01.2, B01.81, B01.89, B01.9, B02.0, B02.1, B02.21, B02.22, B02.23, B02.24, B02.29, B02.30, B02.31, B02.32, B02.33,

Value Set Name	HEDIS CVX	OHA additional CVX	From HEDIS 2017 Value Set (reference-only)		
			CPT/HCPCS	ICD9CM-Diagnosis	ICD10 CM Diagnosis
					B02.34, B02.49, B02.7, B02.8, B02.9

**Required exclusions for numerator:** None.

**Deviations from cited specifications for numerator:**

See Data elements required numerator section above, which include:

1. OHA uses CVX codes in ALERT IIS data. In addition to CVX codes in the HEDIS Value Sets, OHA keeps additional inactive and formula unspecified CVX codes that are still in use, but verified by ALERT.
2. Omits the rule not to count vaccinations administered prior to 42 days after birth, due to negligible instances and occasional issues with the date of birth in eligibility data. As a result, all vaccinations through the child's 2<sup>nd</sup> birthday are used.
3. OHA counts members given any of the codes in the following value Sets compliant in the MMR category, without requiring a combination of subcategories:
  - a. Measles, Mumps and Rubella (MMR) Vaccine Administered,
  - b. Measles/Rubella Vaccine Administered
  - c. Measles Vaccine Administered
  - d. Mumps Vaccine Administered
  - e. Rubella Vaccine Administered
4. OHA is not including disease histories for the numerator.

**What are the continuous enrollment criteria:** 12 months prior to the child's 2<sup>nd</sup> birthday.

**What are allowable gaps in enrollment:** No more than one gap in enrollment of up to 45 days during the 12 months prior to the child's 2<sup>nd</sup> birthday.

**Define Anchor Date (if applicable):** Enrolled on the child's 2<sup>nd</sup> birthday.