

Measure specifications: Childhood Immunization Status (Combination 10)

Metric information

Metric description: The percentage of children 2 years of age who, by their second birthday, received all vaccinations in the combination 10 vaccination set. This vaccination set includes:

- 4 diphtheria, tetanus and acellular pertussis (DTaP) vaccinations;
- 3 polio (IPV) vaccinations;
- 1 measles, mumps and rubella (MMR) vaccination;
- 3 haemophilus influenza type B (HiB) vaccinations;
- 3 hepatitis B (HepB) vaccinations;
- 1 chicken pox (VZV) vaccination;
- 4 pneumococcal conjugate (PCV) vaccinations;
- 1 hepatitis A (HepA) vaccination;
- 2 or 3 rotavirus (RV) vaccination;
- 2 influenza (flu) vaccines.

Parental refusal/religious exemption or other documentation that may be captured by the Washington Immunization Information System (WIIS) are counted as “unvaccinated” and not separately specified.

Metric specification version: HEDIS® Measurement Year 2022 Technical Specifications for Health Plans, NCQA.

Data collection method: Administrative only.

Data source: ProviderOne Medicaid claims/encounter and enrollment data, the Washington Immunization Information System (WIIS), and birth certificate data.

Claim status: Includes only final paid claims or accepted encounters or denied lines from otherwise accepted encounters in metric calculation.

Identification window: Measurement year and up to 24 months prior to the start of the measurement year.

Direction of quality improvement: Higher is better.

URL of specifications: [NCQA HEDIS measures](#)

DSRIP program summary

Metric utility: ACH Project P4P ACH High Performance DSRIP statewide accountability

ACH Project P4P – Metric results used for achievement value: Single metric result.

ACH Project P4P – improvement target methodology DY3/Performance Year 1 through DY5/Performance Year 3): gap to goal.

ACH Project P4P gap to goal – absolute benchmark value:

Performance year	Percentile
DY 3/performance year 1 (2019)	62.16%
	2017 NCQA Quality Compass National Medicaid, 90 th Percentile

DY 4/performance year 2 (2020) 50.21%
2018 NCQA Quality Compass National Medicaid, 90th Percentile

DY 5/performance year 3 (2021) 45.06%
2019 NCQA Quality Compass National Medicaid, 90th Percentile

ACH regional attribution: Residence in the ACH region for 11 out of the 12 months prior to the child’s second birthday.

DSRIP metric details

Eligible population

Measure	Description
Age	Children who turn 2 years of age during the measurement year.
Gender	N/A
Minimum Medicaid enrollment	12 months prior to the child’s second birthday. Enrollment must be continuous. Must be enrolled in month of anchor date.
Allowable gap in Medicaid enrollment	One gap of one month during the 12 months prior to the child’s second birthday.
Medicaid enrollment anchor date	Child’s second birthday.
Medicaid benefit and eligibility	Includes Medicaid beneficiaries with comprehensive medical benefits. Excludes beneficiaries that are eligible for both Medicare and Medicaid and beneficiaries with primary insurance other than Medicaid.

Denominator

Data elements required for denominator: Children who turn 2 years of age during the measurement year based on eligibility criteria above.

Required exclusions for denominator.

- Eligible population exclusions are listed in the eligible population table above.
- Metric specific exclusions:
 - o Beneficiaries in hospice care.
 - o Children who died during the measurement period.
 - o Children who use hospice services or benefits during the measurement year.
 - o Children with a history of immunocompromised conditions.

Numerator

Beneficiaries must qualify for inclusion in the denominator to be eligible for inclusion in the numerator.

Data elements required for the numerator: Data elements differ for each vaccination type in the Combination 10. Since this is a metric for combination vaccinations that require more than one antigen (i.e., DTaP and MMR), evidence of all vaccinations must be found.

See HEDIS® for specific requirements of each of the vaccinations in this metric. All vaccinations (with the exception of MMR) must meet General Guideline 38 (i.e. the 14 day rule which specifies that vaccinations must be given 14 days apart to avoid double counting events).

Required exclusions for numerator.

- None

Deviations from cited specifications for numerator.

- The Washington State Immunization Information System may include CPT codes that are not typically used for children (i.e. adult codes where child codes are specified) or less usual combination vaccines that are not included in the measure specifications. These vaccine-specific CPT codes are included in the metric.
- Specifications instruct to include all paid, suspended, pending, and denied claims, however, we only used paid claims and denied lines from otherwise accepted encounters. We do not have access to SNOWMED codes and were unable to check for numerator compliant exclusions for anaphylaxis or encephalitis for several vaccines.

Version control

August 2019 update: See HEDIS® for specific instructions, including updates to numerator requirements related to measles, mumps, rubella (MMR), chicken pox (VZV), and Hepatitis A (HepA).

August 2020 update: Value sets were substantially updated and the underlying values may have also been updated. Live attenuated influenza vaccine (LAIV) was added as numerator compliant for the influenza vaccine. See HEDIS® for specific instructions.

September 2023 update: The specification sheet has been updated to reflect the current version of the technical specification from the measure steward. No substantive changes were made to the DSRIP Metric Details. Note that while the names of the value sets included in the specifications have not changed, the underlying values may have been updated.

December 2023 update: No changes.