

## HEDIS MEASURE OVERVIEW

# Childhood Immunization Status (CIS)

**Please note that the information offered in this flyer is based on Healthcare Effectiveness Data and Information Set (HEDIS®) technical specifications. It is not meant to preclude your clinical judgment.**

The Childhood Immunization Status (CIS) measure is one of the National Committee for Quality Assurance (NCQA) HEDIS measures used to evaluate whether child patients are receiving vital immunizations to prevent several serious and potentially fatal diseases. The NCQA states that approximately 300 children in the U.S. die each year from vaccine-preventable diseases such as measles, polio and whooping cough.<sup>1</sup>

### Measure description

The 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 (HepB); one chicken pox (VZV); four pneumococcal conjugate (PCV); one hepatitis A (HepA); two or three rotavirus (RV); two influenza (flu) vaccines by their second birthday. The measure calculates a rate for each vaccine and three combination rates.

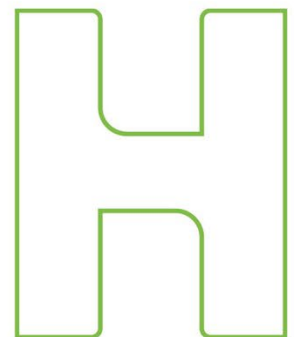
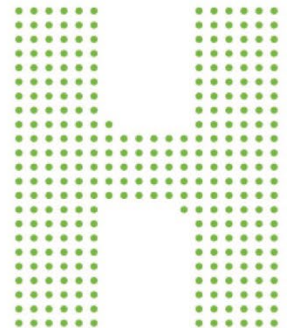
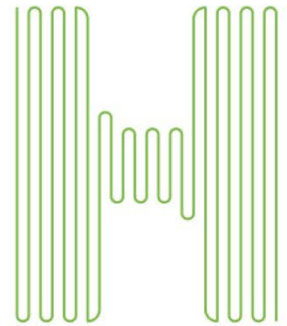
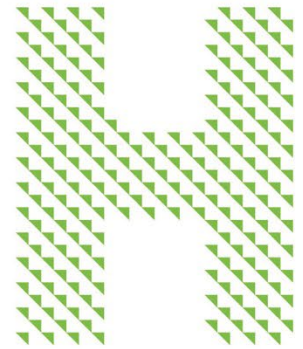
### Who is included in the CIS measure?

Patients who turn 2 years old as of Dec. 31 of the measurement year

### Addressing the measure

Patients should have the below vaccines by their second birthday. There are 3 rates reported:

- Combination 3
  - DTaP – four diphtheria, tetanus and acellular pertussis
  - IPV – three polio vaccines on different dates of service
  - MMR – one measles, mumps and rubella
  - HiB – three haemophilus influenza type B
  - HepB – three hepatitis B
  - VZV – one chicken pox
  - PCV – four pneumococcal conjugate
- Combination 7
  - Combination 3 vaccines **and**
  - HepA – one hepatitis A
  - RV – two or three rotavirus
- Combination 10
  - Combination 7 vaccines **and**
  - Influenza – at least two influenza vaccinations



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## Measure best practices

- Reach out to patients to schedule appointments early in the measurement year.
- Take advantage of back-to-school/sports physicals, as well as acute/sick visits, to administer vaccines.
- Reach out to patients and their parents/caregivers to remind them that vaccines are due.
- Document any vaccines the patient has received—even vaccines not given in your office.
- Educate patients and their parents/caregivers about vaccines and address any misconceptions or concerns regarding vaccines.
- Reference the state immunization registry.

## Exclusions

- Patients who died anytime during the measurement year
- Patients using hospice services
- Anaphylactic reaction to any vaccine or its components in the denominator
- Encephalitis due to the diphtheria, tetanus or pertussis vaccine
- Patients with any of the below before their second birthday
  - Severe combined immunodeficiency, immunodeficiency, HIV, lymphoreticular cancer, multiple myeloma, leukemia or intussusception
- IPV
  - Anaphylactic reaction to streptomycin, polymyxin B or neomycin
- HepB
  - Anaphylactic reaction to common baker’s yeast
- MMR, VZV and influenza
  - Immunodeficiency, HIV
  - Lymphoreticular cancer, multiple myeloma, leukemia
  - Anaphylactic reaction to neomycin
- RV
  - Severe combined immunodeficiency (SCID) and/or history of intussusception

## CIS coding

Code type	Code	Description
CPT	90697-90698, 90700, 90723	DTaP (diphtheria, tetanus and acellular pertussis) vaccine procedure
CPT	90697-90698, 90713, 90723	IPV (inactivated polio vaccine) procedure
CPT	90707, 90710	Measles, mumps and rubella vaccine procedure
CPT; HCPCS	90697, 90723, 90740, 90744, 90747-90748; G0010	HepB (hepatitis B) vaccine procedure; administration of hepatitis B vaccine
CPT	90644, 90647-90648, 90697-90698, 90748	HiB (haemophilus influenza type B) vaccine procedure
CPT	90633	HepA (hepatitis A) vaccine procedure
CPT	90710, 90716	VZV (varicella zoster virus) vaccine procedure
CPT; HCPCS	90670-90671; G0009	PCV (pneumococcal conjugate) vaccine procedure; administration of pneumococcal vaccine
CPT	90681	Rotavirus vaccine procedure (2 dose schedule)
CPT	90680	Rotavirus vaccine procedure (3 dose schedule)

<b>CPT; HCPCS</b>	90655, 90657, 90661, 90673- 90674, 90685- 90689, 90756; G0008	Influenza vaccine procedure; administration of influenza virus vaccine
<b>CPT</b>	90660, 90672	Influenza virus live attenuated influenza vaccine procedure

Information regarding inclusion, compliance, and exclusions for this measure were sourced from the HEDIS Measurement Year <2024>: Volume 2: Technical Specifications for Health Plans report. The coding information in this document is subject to changing requirements and should not be relied on as official coding or legal advice. All coding should be considered on a case-by-case basis and supported by medical necessity and appropriate documentation in the medical record.

<sup>1</sup> *Childhood Immunization Status (CIS)*. Retrieved from NCQA.org: <https://www.ncqa.org/hedis/measures/childhood-immunization-status>

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