

Childhood Immunization Status (CIS-E)

Description of Measure

The percentage of children 2 years of age 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); and two influenza (flu) vaccines by their second birthday. The measure calculates a rate for each vaccine and three combination rates.

Measure Compliance

Numerator 1—DTaP

Children with any of the following on or before their second birthday meet criteria:

- At least four DTaP vaccinations with different dates of service. Do not count a vaccination administered prior to 42 days after birth.
- Anaphylaxis due to the diphtheria, tetanus or pertussis vaccine.
- Encephalitis due to the diphtheria, tetanus or pertussis vaccine.

Numerator 2—IPV

Children with either of the following on or before their second birthday meet criteria:

- At least three IPV vaccinations with different dates of service. Do not count a vaccination administered prior to 42 days after birth.
- Anaphylaxis due to the IPV vaccine (SNOMED CT code 471321000124106).

Numerator 3—MMR

Children with any of the following meet criteria:

- At least one MMR vaccination on or between the child's first and second birthdays.
- All of the following any time on or before the child's second birthday (on the same or different date of service). Do not include laboratory claims (claims with POS code 81).
 - History of measles illness.
 - History of mumps illness.
 - History of rubella illness.
- Anaphylaxis due to the MMR vaccine (SNOMED CT code 471331000124109) on or before the child's second birthday.

Numerator 4—HiB

Children with either of the following on or before their second birthday meet criteria:

- At least three HiB vaccinations, with different dates of service. Do not count a vaccination administered prior to 42 days after birth.
- Anaphylaxis due to the HiB vaccine (SNOMED CT code 433621000124101).



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Numerator 5—Hepatitis B

Children with any of the following on or before their second birthday meet criteria:

- At least three hepatitis B vaccinations, with different dates of service.
 - One of the three vaccinations may be a newborn hepatitis B vaccination (ICD-10-PCS code 3E0234Z) during the 8-day period that begins on the date of birth and ends 7 days after the date of birth. For example, if the member's date of birth is December 1, the newborn hepatitis B vaccination must be on or between December 1 and December 8.
- History of hepatitis B illness. Do not include laboratory claims (claims with POS code 81).
- Anaphylaxis due to the hepatitis B vaccine (SNOMED CT code 428321000124101).

Numerator 6—VZV

Children with any of the following meet criteria:

- At least one VZV vaccination with a date of service on or between the child's first and second birthdays.
- History of varicella zoster (e.g., chicken pox) illness on or before the child's second birthday. Do not include laboratory claims (claims with POS code 81).
- Anaphylaxis due to the VZV vaccine (SNOMED CT code 471341000124104) on or before the child's second birthday.

Numerator 7—Pneumococcal Conjugate

Children with either of the following on or before their second birthday meet criteria:

- At least four pneumococcal conjugate vaccinations with different dates of service. Do not count a vaccination administered prior to 42 days after birth.
- Anaphylaxis due to the pneumococcal vaccine (SNOMED CT code 471141000124102).

Numerator 8—Hepatitis A

Children with any of the following meet criteria:

- At least one hepatitis A vaccination, with a date of service on or between the child's first and second birthdays.
- History of hepatitis A illness on or before the child's second birthday. Do not include laboratory claims (claims with POS code 81).
- Anaphylaxis due to the hepatitis A vaccine (SNOMED CT code 471311000124103) on or before the child's second birthday.

Numerator 9—Rotavirus

Children with any of the following meet criteria:

- At least two doses of the two-dose rotavirus vaccine on different dates of service on or before the child's second birthday. Do not count a vaccination administered prior to 42 days after birth.
- At least three doses of the three-dose rotavirus vaccine on different dates of service on or before the child's second birthday. Do not count a vaccination administered prior to 42 days after birth.
- At least one dose of the two-dose rotavirus vaccine and at least two doses of the three-dose rotavirus vaccine, all on different dates of service, on or before the child's second birthday. Do not count a vaccination administered prior to 42 days after birth.
- Anaphylaxis due to the rotavirus vaccine (SNOMED CT code 428331000124103) on or before the child's second birthday.

Numerator 10—Influenza

Children with either of the following on or before their second birthday meet criteria:

- At least two influenza vaccinations with different dates of service. Do not count a vaccination administered

prior to 180 days after birth.

- An influenza vaccination recommended for children 2 years and older administered on the child's second birthday meets criteria for one of the two required vaccinations.

- Anaphylaxis due to the influenza vaccine (SNOMED CT code 471361000124100).

Numerator 11—Combination 3

Members who are numerator compliant for DTaP, IPV, MMR, HiB, hepatitis B, VZV and pneumococcal indicators.

Numerator 12—Combination 7

Members who are numerator compliant for DTaP, IPV, MMR, HiB, hepatitis B, VZV, pneumococcal, hepatitis A and rotavirus indicators.

Numerator 13—Combination 10

Members who are numerator compliant for DTaP, IPV, MMR, HiB, hepatitis B, VZV, pneumococcal, hepatitis A, rotavirus and influenza indicators

Codes	Definition
CPT: 90630, 90653, 90654, 90656, 90658, 90661, 90662, 90673, 90674, 90682, 90686, 90688, 90689, 90694. 90756	Adult Influenza Vaccine Procedure
CPT: 90715	Tdap Vaccine Procedure
CPT: 90714	Td Vaccine Procedure
CPT: 90750	Herpes Zoster Recombinant Vaccine Procedure
CPT: 90670, 90671, 90677, 90684, 90732 HCPCS: G0009	Adult Pneumococcal Vaccine Procedure
CPT: 90697, 90723, 90740, 90744, 90747, 90748 HCPCS: G0010	Hepatitis B Vaccine Procedure

Exclusions

Exclusions	Time limit
<ul style="list-style-type: none">■ Members who use hospice services or elect to use a hospice benefit■ Members who die	Any time during measurement year (MY)
<ul style="list-style-type: none">■ Members who had a contraindication to a childhood vaccine on or before their second birthday	Members who had a contraindication to a childhood vaccine on or before their second birthday

Exclusion Codes

Exclusions	Definition
HCPCS: G0182, G9475 - G9479, Q5003 - Q5008, Q5010, S9126, T2042 - T2046 CPT: 99377, 99378	Hospice Care

Strategies for Success

- Educate on the importance of immunizations within the recommended schedule.
- Identify patients who are due for vaccines and which ones are needed prior to scheduled office visit.
- Use standing orders for vaccine administration.
- If a patient declines vaccination, ask why and provide further counseling and encouragement.
- Implement protocols in your office to ensure that vaccine needs are routinely reviewed.

Resources

- I. National Committee for Quality Assurance, HEDIS® Measurement Year 2025 Volume 2 Technical Specifications for Health Plans