

Childhood Immunization Status (CIS and CIS-E)

New for 2023

Updated

- Members who died during the measurement year is now a required exclusion
- Seropositive test results are no longer part of the hybrid numerator criteria

 This measure is also an ECDS measure

Definition

Percentage of children age 2 who had 4 doses of diphtheria, tetanus and a cellular pertussis (DTaP) vaccine; 1 hepatitis A (Hep A) vaccine; 3 doses of hepatitis B (Hep B) vaccine; 3 doses of haemophilus influenza type B (HiB) vaccine; 2 doses of influenza (flu) vaccine; 3 doses of polio (IPV) vaccine; 1 measles, mumps and rubella (MMR) vaccine; 4 doses of pneumococcal conjugate (PCV) vaccine; 2 or 3 doses of rotavirus (RV) vaccine; and 1 chicken pox (VZV) vaccine on or before their second birthday



Yes!
Supplemental Data Accepted

Plan(s) Affected	Quality Program(s) Affected	Collection and Reporting Method
<ul style="list-style-type: none"> • Commercial • Exchange/Marketplace • Medicaid 	<ul style="list-style-type: none"> • CMS Quality Rating System (Combination 10) • NCQA Health Plan Ratings (Combination 10) 	Hybrid <ul style="list-style-type: none"> • Claim/Encounter Data • Medical Record Documentation

Codes

The following codes can be used to close HEDIS® numerator gaps in care; they are not intended to be a directive of your billing practice.

DTaP Vaccine

Number of Doses: 4

Special Circumstances

- Do not count dose administered from birth through 42 days.
- If applicable, anaphylaxis or encephalitis due to vaccine and the date it occurred must be documented in the medical record to count toward the numerator using hybrid specifications.

CPT®/CPT II	90697, 90698, 90700, 90723
CVX Codes	20, 50, 106, 107, 110, 120, 146
SNOMED	310306005, 310307001, 310308006, 312870000, 313383003, 390846000, 390865008, 399014008, 412755006, 412756007, 412757003, 412762002, 412763007, 412764001, 414001002, 414259000, 414620004, 415507003, 415712004, 770608009, 770616000, 770617009, 770618004, 787436003, 866158005, 866159002, 866226006, 868273007, 868274001, 868276004, 868277008, 1162640003, 428251000124104, 571571000119105, 572561000119108, 16290681000119103

Anaphylaxis due to the diphtheria, tetanus or pertussis vaccine

SNOMED	428281000124107, 428291000124105
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Encephalitis due to the diphtheria, tetanus or pertussis vaccine

SNOMED	192710009, 192711008, 192712001
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(Codes continued)

Childhood Immunization Status (CIS and CIS-E)

Codes (continued)

The following codes can be used to close HEDIS® numerator gaps in care; they are not intended to be a directive of your billing practice.

Hep A Vaccine or History of Hepatitis A Illness

Number of Doses: 1

Special Circumstances

- Must be administered on or between a child’s first and second birthdays
- If applicable, anaphylaxis due to vaccine and the date it occurred must be documented in the medical record to count toward the numerator using hybrid specifications

CPT®/CPT II	90633
CVX Codes	31, 83, 85
SNOMED	170378007, 170379004, 170380001, 170381002, 170434002, 170435001, 170436000, 170437009, 243789007, 312868009, 314177003, 314178008, 314179000, 394691002, 871752004, 871753009, 871754003, 571511000119102

History of Hepatitis A

ICD-10 Diagnosis	B15.0, B15.9
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Anaphylaxis due to the hepatitis A vaccine

SNOMED	471311000124103
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Hep B Vaccine, History of Hepatitis B Illness

Number of Doses: 3

Special Circumstances

- One of the 3 can be the newborn Hepatitis B vaccine given at hospital on date of birth or 7 days after (see code below)
- If applicable, anaphylaxis due to vaccine and the date it occurred must be documented in the medical record to count toward the numerator using hybrid specifications.

CPT®/CPT II	90697, 90723, 90740, 90744, 90747, 90748
CVX Codes	08, 44, 45, 51, 110, 146
HCPCS	G0010
SNOMED	16584000, 170370000, 170371001, 170372008, 170373003, 170374009, 170375005, 170434002, 170435001, 170436000, 170437009, 312868009, 396456003, 416923003, 770608009, 770616000, 770617009, 770618004, 786846001, 1162640003, 572561000119108

Newborn Hep B

Number of Doses: 1 of 3 eligible

ICD-10 Procedure	3E0234Z
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(Codes continued)

Childhood Immunization Status (CIS and CIS-E)

Codes (continued)

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History of Hepatitis B	
ICD-10 Diagnosis	B16.0, B16.1, B16.2, B16.9, B17.0, B18.0, B18.1, B19.10, B19.11
SNOMED	153091000119109, 551621000124109
Anaphylaxis due to the hepatitis B vaccine	
SNOMED	1428321000124101
HiB Vaccine	
Number of Doses: 3	
Special Circumstances	
<ul style="list-style-type: none"> • Do not count dose administered from birth through 42 days. • If applicable, anaphylaxis due to vaccine and the date it occurred must be documented in the medical record to count toward the numerator using hybrid specifications. 	
CPT®/CPT II	90644, 90647, 90648, 90697, 90698, 90748
CVX Codes	17, 46, 47, 48, 49, 50, 51, 120, 146, 148
Anaphylaxis due to the haemophilus B vaccine	
SNOMED	433621000124101
Influenza Vaccine	
Number of Doses: 2	
Special Circumstances	
<ul style="list-style-type: none"> • Do not count dose administered prior to 180 days after birth. • If applicable, anaphylaxis due to vaccine and the date it occurred must be documented in the medical record to count toward the numerator using the hybrid specifications. 	
CPT®/CPT II	90655, 90657, 90661, 90673, 90674, 90685, 90686, 90687, 90688, 90689, 90756
CVX Codes	88, 140, 141, 150, 153, 155, 158, 161, 171, 186
HCPCS	G0008
SNOMED	86198006
Anaphylaxis due to the influenza vaccine on or before the child's second birthday	
SNOMED	433621000124101

(Codes continued)

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Codes

The following codes can be used to close HEDIS® numerator gaps in care; they are not intended to be a directive of your billing practice.

Live Attenuated Influenza Virus

Number of Doses: 2

Special Circumstances

- Must be administered on the second birthday.
- Only 1 of the 2 required vaccinations can be LAIV.

CPT®/CPT II	90660, 90672
CVX Codes	111, 149
SNOMED	787016008

IPV Vaccine

Number of Doses: 3

Special Circumstances

- Do not count dose administered from birth through 42 days.
- If applicable, anaphylaxis due to vaccine and the date it occurred must be documented in the medical record to count toward the numerator using the hybrid specifications.

CPT®/CPT II	90697, 90698, 90713, 90723
CVX Codes	10, 89, 110, 120, 146
SNOMED	1310306005, 310307001, 310308006, 312869001, 312870000, 313383003, 390865008, 396456003, 412762002, 412763007, 412764001, 414001002, 414259000, 414619005, 414620004, 415507003, 415712004, 416144004, 416591003, 417211006, 417384007, 417615007, 866186002, 866227002, 868266002, 868267006, 868268001, 868273007, 868274001, 868276004, 868277008, 870670004, 572561000119108, 16290681000119103

Anaphylaxis due to the inactivated polio vaccine

SNOMED	471321000124106
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MMR Vaccine or History of Measles, Mumps or Rubella

Number of Doses: 1

Special Circumstances

- Must be administered on or between a child’s first and second birthdays.
- If applicable, anaphylaxis due to vaccine and the date it occurred must be documented in the medical record to count toward the numerator using the hybrid specifications.

CPT®/CPT II	90707, 90710
CVX Codes	03, 94
SNOMED	38598009, 170431005, 170432003, 170433008, 432636005, 433733003, 871909005, 571591000119106, 572511000119105

(Codes continued)

Childhood Immunization Status (CIS and CIS-E)

Codes

The following codes can be used to close HEDIS® numerator gaps in care; they are not intended to be a directive of your billing practice.

Anaphylaxis due to the measles, mumps and rubella vaccine on or before the child's second birthday

SNOMED	471331000124109
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History of Measles

ICD-10 Diagnosis	B05.0, B05.1, B05.2, B05.3, B05.4, B05.81, B05.89, B05.9
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SNOMED	14189004, 28463004, 38921001, 60013002, 74918002, 111873003, 161419000, 186561002, 186562009, 195900001, 240483006, 240484000, 359686005, 371111005, 406592004, 417145006, 424306000, 105841000119101
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History of Mumps

ICD-10 Diagnosis	B26.0, B26.1, B26.2, B26.3, B26.81, B26.82, B26.83, B26.84, B26.85, B26.89, B26.9
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SNOMED	10665004, 17121006, 31524007, 31646008, 36989005, 40099009, 44201003, 63462008, 72071001, 74717002, 75548002, 78580004, 89231008, 89764009, 111870000, 161420006, 235123001, 236771002, 237443002, 240526004, 240527008, 240529006, 371112003, 1163539003, 105821000119107
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History of Rubella

ICD-10 Diagnosis	B06.00, B06.01, B06.02, B06.09, B06.81, B06.82, B06.89, B06.9
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SNOMED	10082001, 13225007, 19431000, 36653000, 51490003, 64190005, 79303006, 128191000, 161421005, 165792000, 186567003, 186570004, 192689006, 231985001, 232312000, 240485004, 253227001, 406112006, 406113001, 1092361000119109, 10759761000119100
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PCV Vaccine

Number of Doses: 4

Special Circumstances

- Do not count dose administered from birth through 42 days.
- If applicable, anaphylaxis due to vaccine and the date it occurred must be documented in the medical record to count toward the numerator using the hybrid specifications.

CPT®/CPT II	90670
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CVX Codes	109, 133, 152
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HCPCS	G0009
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SNOMED	1119368005, 434751000124102
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(Codes continued)

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Codes

The following codes can be used to close HEDIS® numerator gaps in care; they are not intended to be a directive of your billing practice.

Anaphylaxis due to the pneumococcal conjugate vaccine

SNOMED	471141000124102
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Rotavirus Vaccine

Number of Doses: 2 or 3 (depending on vaccine manufacturer)

Special Circumstances

- Do not count dose administered from birth through 42 days.
- Can combine at least 1 dose of the 2-dose vaccine and at least 2 doses of the 3-dose vaccine.
- If applicable, anaphylaxis due to vaccine and the date it occurred must be documented in the medical record to count toward the numerator using the hybrid specifications.

CPT®/CPT II	Rotavirus 2 dose: 90681, Rotavirus 3 dose: 90680
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CVX Codes	Rotavirus 2 dose: 119, Rotavirus 3 dose: 116, 122
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SNOMED	Rotavirus 2 does: 434741000124104, Rotavirus 3 dose: 434731000124109
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Anaphylaxis due to the rotavirus vaccine

SNOMED	428331000124103
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VZV Vaccine or History of Varicella Zoster

Number of Doses: 1

Special Circumstances

- Must be administered on or between a child’s first and second birthdays.

CPT®/CPT II	90710, 90716
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CVX Codes	21, 94
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Anaphylaxis due to the varicella vaccine on or before the child’s second birthday

SNOMED	471141000124102
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Childhood Immunization Status (CIS and CIS-E)

Codes

The following codes can be used to close HEDIS® numerator gaps in care; they are not intended to be a directive of your billing practice.

History of Varicella Zoster

ICD-10 Diagnosis	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, B02.34, B02.39, B02.7, B02.8, B02.9
SNOMED	10698009, 21954000, 23737006, 24059009, 36292003, 38907003, 42448002, 49183009, 55560002, 87513003, 111859007, 111861003, 161423008, 186524006, 186525007, 195911009, 230176008, 230198004, 230262004, 230536009, 232400003, 235059009, 240468001, 240470005, 240471009, 240472002, 240473007, 240474001, 309465005, 371113008, 397573005, 400020001, 402897003, 402898008, 402899000, 410500004, 410509003, 421029004, 422127002, 422446008, 422471006, 422666006, 423333008, 423628002, 424353002, 424435009, 424801004, 424941009, 425356002, 426570007, 428633000, 713250002, 713733003, 713964006, 715223009, 723109003, 838357005, 1163465001, 1163483009, 1179456002, 12551000132107, 12561000132105, 12571000132104, 98541000119101, 331071000119101, 681221000119108, 1087131000119102, 15678761000119105, 15678801000119102, 15678841000119100, 15680201000119106, 15680241000119108, 15680281000119103, 15685081000119102, 15685121000119100, 15685201000119100, 15685281000119108, 15936581000119108, 15936621000119108, 15989271000119107, 15989311000119107, 15989351000119108, 15991711000119108, 15991751000119109, 15991791000119104, 15992351000119104, 16000751000119105, 16000791000119100, 16000831000119106

Required Exclusion(s)

Exclusion	Timeframe
<ul style="list-style-type: none"> Members in hospice or using hospice services Members who died 	Any time during the measurement year
<ul style="list-style-type: none"> Immunodeficiency HIV Lymphoreticular cancer, multiple myeloma or leukemia Intussusception Severe combined immunodeficiency 	Any time on or before a member's second birthday

Childhood Immunization Status (CIS and CIS-E)



Important Notes

A member’s medical record must include:

- A note with the **name of the specific antigen and the date** the vaccine was administered.
- An immunization record from an authorized health care provider or agency – for example, a registry – including the **name of the specific antigen and the date** the vaccine was administered.

Documentation that a member is up-to-date with all immunizations, but doesn’t include a list of the immunizations and dates they were administered, will **not** meet compliance.

Documentation of physician orders, CPT codes or billing charges will **not** meet compliance.

For Hep A, Hep B, MMR or VZV, documented history of the illness counts as numerator compliance events – but they must occur on or before a child’s second birthday.

For all 10 antigens documented history of anaphylaxis due to the vaccine counts as numerator compliance.

Medical Record Detail Including, But Not Limited to

- History and physical
- Immunization record
- Lab results
- Problem list with illnesses dated
- Progress notes

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Tips and Best Practices to Help Close This Care Opportunity:

- **Please check your Patient Care Opportunity Report (PCOR) often to see members with open care opportunities.** If you have questions, your UnitedHealthcare representative can help.
- When documenting the rotavirus vaccine, always include “Rotarix®” or “2-dose,” or “RotaTeq®” or “3-dose” with the date of administration.
 - If medical record documentation doesn’t indicate whether the 2-dose schedule or 3-dose schedule was used, it’s assumed that the 3-dose regimen was used but only recorded for 2 dates. The vaccinations will then not count for HEDIS®.
- Annual influenza vaccinations – 2 between ages 6 months and 2 years – are an important part of the recommended childhood vaccination series.
 - Consider using standing orders, protocols and resources from [immunize.org](https://www.immunize.org).
- Please record HepB vaccinations given at the hospital in the child’s medical record.
- Parental refusal of vaccinations will **not** remove an eligible member from the denominator.
- When possible, please review vaccine status with parents and give immunizations at visits other than only well-child appointments.
 - Consider offering online appointment scheduling.
 - Help ensure safety by dedicating specific rooms for child immunizations only.
 - Offer options such as extended hours or walk-in vaccination clinics.
 - Consider setting up a drive-up immunization site.
- Schedule appointments for your patient’s next vaccination before they leave your office.
 - Remind parents of the importance of keeping immunizations on track.
 - Use phone calls, emails, texts or postcards/letters to help keep parents engaged.
- If applicable, please consider participating in your state’s immunization registry.
- Information to help parents choose to immunize is available at [cdc.gov](https://www.cdc.gov) or your state’s public health department website. The American Academy of Pediatrics immunization schedule can be found at [aap.org](https://www.aap.org).
- Immunizations can be accepted as supplemental data, reducing the need for some chart review. Please contact your UnitedHealthcare representative to discuss clinical data exchange opportunities.