

Childhood Immunization Status (CIS-E)

New for 2025

Added

- Organ and bone marrow transplants are now required exclusions

Updated

- CIS will now only be referred to as CIS-E and will be an electronic measure only

**Yes!**Supplemental
Data Accepted

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.

Plans(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) 	<ul style="list-style-type: none"> • Electronic data only

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, 198

Anaphylaxis due to the diphtheria, tetanus or pertussis vaccine**SNOMED**

428281000124107, 428291000124105

Childhood Immunization Status (CIS-E) (cont.)

Encephalitis due to the diphtheria, tetanus or pertussis vaccine

SNOMED	192710009, 192711008, 192712001
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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
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CVX codes	31, 83, 85
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SNOMED	170378007, 170379004, 170380001, 170381002, 170434002, 170435001, 170436000, 170437009, 243789007, 312868009, 314177003, 314178008, 314179000, 394691002, 871752004, 871753009, 871754003, 571511000119102
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History of Hepatitis A

ICD-10 Diagnosis	B15.0, B15.9
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SNOMED	16060001, 18917003, 25102003, 40468003, 43634002, 79031007, 111879004, 165997004, 206373002, 278971009, 310875001, 424758008 428030001, 105801000119103
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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
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CVX codes	08, 44, 45, 51, 110, 146, 198
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HCPCS	G0010
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Childhood Immunization Status (CIS-E) (cont.)

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

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

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, 1116000, 13265006, 26206000, 38662009, 50167007, 53425008, 60498001, 61977001, 66071002, 76795007, 111891008, 165806002, 186624004 186626002, 186639003, 235864009, 235865005, 235869004, 235871004, 271511000, 313234004, 406117000, 424099008, 424340000, 442134007, 442374005, 446698005, 838380002, 1230342001

Anaphylaxis due to the hepatitis B vaccine

SNOMED

1428321000124101

HiB 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 hybrid specifications

CPT®/CPT II

90644, 90647, 90648, 90697, 90698, 90748

CVX codes

17, 46, 47, 48, 49, 50, 51, 120, 146, 148, 198

Childhood Immunization Status (CIS-E) (cont.)

Anaphylaxis due to the haemophilus B vaccine

SNOMED	433621000124101
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Influenza vaccine

Number of doses: 2

Special circumstances

- 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
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CVX codes	88, 140, 141, 150, 153, 155, 158, 161, 171, 186
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SNOMED	86198006
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Anaphylaxis due to the influenza vaccine on or before the child's second birthday

SNOMED	471361000124100
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Live attenuated influenza virus

Number of doses: 1

Special circumstances

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

CPT®/CPT II	90660, 90672
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CVX codes	111, 149
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SNOMED	787016008
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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
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CVX codes	10, 89, 110, 120, 146
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Childhood Immunization Status (CIS-E) (cont.)

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.

SNOMED

310306005, 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

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

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

SNOMED

471331000124109

History of measles

ICD-10 Diagnosis

B05.0, B05.1, B05.2, B05.3, B05.4, B05.81, B05.89, B05.9

SNOMED

14189004, 28463004, 38921001, 60013002, 74918002, 111873003, 161419000, 186561002, 186562009, 195900001, 240483006, 240484000, 359686005, 371111005, 406592004, 417145006, 424306000, 105841000119101

Childhood Immunization Status (CIS-E) (cont.)

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
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

History of rubella

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

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, 90671, 90677
CVX codes	109, 133, 152, 215, 216
HCPCS	G0009
SNOMED	12866006, 394678003, 871833000, 1119366009, 1119368005, 1296904008, 434751000124102

Anaphylaxis due to the pneumococcal conjugate vaccine

SNOMED	471141000124102
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Childhood Immunization Status (CIS-E) (cont.)

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
CVX codes	Rotavirus 2 dose: 119, Rotavirus 3 dose: 116, 122
SNOMED	Rotavirus 2 does: 434741000124104, Rotavirus 3 dose: 434731000124109

Anaphylaxis due to the rotavirus vaccine

SNOMED

428331000124103

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
CVX codes	21, 94
SNOMED	425897001, 428502009, 432636005, 433733003, 737081007, 871898007, 871899004, 871909005, 572511000119105

Anaphylaxis due to the varicella vaccine on or before the child's second birthday

SNOMED

471341000124104

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

Childhood Immunization Status (CIS-E) (cont.)

History of varicella zoster

SNOMED

4740000, 10698009, 21954000, 23737006, 24059009, 31920006, 36292003, 38907003, 42448002, 49183009, 55560002, 87513003, 111859007, 111861003, 161423008, 186524006, 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, 1087131000119100, 15678761000119100, 15678801000119100, 15678841000119100, 15680201000119100, 15680241000119100, 15681321000119100, 15681401000119100, 15685081000119100, 15685121000119100, 15685161000119100, 15936581000119100, 15936621000119100, 15989271000119100, 15989311000119100, 15989351000119100, 15991711000119100, 15991751000119100, 15991791000119100, 15992351000119100, 16000751000119100, 16000791000119100, 16000831000119100

Required exclusion(s)

Exclusion	Time frame
<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"> Members who have had a contraindication to a childhood vaccine Members who have had organ and bone marrow transplants 	Any time on or before a member's second birthday

Childhood Immunization Status (CIS-E) (cont.)



Important notes

Medical record detail including, but not limited to

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.

Documentation that a vaccine was given at birth or in the hospital will count as numerator compliance for any vaccines that don't have minimum age specifications.

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

Childhood Immunization Status (CIS-E) (cont.)

Tips and best practices to help close this care opportunity:

- **Please check your Patient Care Opportunity Report (PCOR) or Practice Assist often to see members with open care opportunities.**
If you have questions, your UnitedHealthcare representative can help.
- When documenting the rotavirus vaccine, always include RotarixR or 2-dose, or RotaTeqR 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 vaccines 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 hep B 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 in the evening, weekend appointments, walk-in vaccination clinics or block scheduling for families to help accommodate working parents/caregivers and school hours to alleviate the burden of managing multiple appointments and competing time commitments
- 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
 - Partner with your UnitedHealthcare representative to see if there are options to assist those families who frequently have to cancel due to transportation issues or other barriers to care, social determinants of health, etc.
- If applicable, please consider participating in your state's immunization registry
- Consider creating a flag in your electronic medical record to track children who are due for immunizations:
 - Data analysis has shown that delays in well-child visits tend to push required immunizations beyond age 2. Targeted outreach could be done to these groups of children to ensure they receive the required number of vaccines by age 2:
 - Missing only 1 influenza, DtaP or PCV vaccine and have enough time to complete those before their second birthday
 - > 6 months old with no history of an influenza vaccine
 - > 18 months old and missing 1 DtaP, PCV or both

Childhood Immunization Status (CIS-E) (cont.)

If parents have questions about immunizations, information is available at **Vaccinate with Confidence | CDC** or your state's public health department website. The American Academy of Pediatrics immunization schedule can be found at **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.