

HEDIS® Toolkit

Childhood Immunization Status (CIS-E) Combination 10 (CO10)
Lead Screening in Children (LSC-E)



Who is eligible?

Any child who turns 2 years of age during the measurement year.

Why does it matter?

The American Academy of Pediatrics strongly recommends immunizations as the safest and most cost-effective way of preventing disease, disability and death.¹ Childhood immunizations help prevent serious illnesses such as polio, tetanus and hepatitis. Vaccines are a proven way to help a child stay healthy and avoid the potentially harmful effects of childhood diseases like mumps and measles.²

In addition to immunizations, testing blood for lead exposure is an important part of preventative care. Screening for lead is an easy way to detect an abnormal blood lead level in children. There is no safe blood lead level. If not found early, exposure to lead and high blood lead levels can lead to irrevocable effects on a child's physical and mental health. Exposure to lead can cause damage to the brain and other vital organs, as well as intellectual and behavioral deficits.³

Measurement Description:

Childhood Immunization Status (CIS-E) Combination 10 (CO10)

The percentage of children who turn 2 years of age in the measurement year and receive the following vaccinations on or by their second birthday:

Vaccine	Dose(s) Required	HEDIS® Timeline
DTaP	4	Not before 42 days old, and by 2 nd birthday
IPV	3	Not before 42 days old, and by 2 nd birthday
MMR	1	On or between 1 st and 2 nd birthday
Hib	3	Not before 42 days old, and by 2 nd birthday
Hep B	3	By 2 nd birthday
VZV	1	On or between 1 st and 2 nd birthday
PCV	4	Not before 42 days old, and by 2 nd birthday
Hep A	1	On or between 1 st and 2 nd birthday
Rotavirus	*2 or 3	Full series completed by 8 months
Influenza	**2	By 2 nd birthday

* Give the correct number of doses based on manufacturer and code Rotavirus correctly.

- Rotarix® from GlaxoSmithKline is a two-dose formula, and the CPT code is 90681.
- RotaTeq® from Merck is a three-dose formula, and the CPT code is 90680.

** One of the two Influenza vaccinations can be an LAIV vaccine. However, the LAIV vaccine MUST be administered ON the second birthday.

Lead Screening in Children (LSC-E)

The percentage of children who turn 2 years of age in the measurement year and have one or more capillary or venous lead blood tests for lead poisoning by their second birthday.

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Best Practices

- Educate parents or caregivers on the importance of vaccinations and adhering to the recommended vaccine schedule. Address common misconceptions about vaccinations.
- Recommend immunizations to parents or caregivers, as they are more likely to agree to vaccinations when supported by their provider.
- Review the child's immunization status before every visit and administer needed vaccines during the visit. Offer catch-up immunizations whenever possible.
- Offer combination vaccinations to help decrease needle sticks and increase immunization compliance. *See claim codes table below.*
- Reconcile HER, pharmacy, and state registry records to avoid missing documentation.
- Perform lead screening at the 12-month visit (preferred) to allow time for follow-up.
- Include lead testing in 12-month well visit standing orders.
- Offer in-office capillary testing to reduce loss to follow-up. If sending to lab, ensure order completion tracking. Follow up promptly on abnormal results.

Vaccine Claim Codes:

NOTE: TCHP uses Inovalon, a HEDIS certified software, to calculate HEDIS rates and includes historic claims from ImmTrac, the state's immunization registry.

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Vaccine	Codes
DTaP	CPT: 90697, 90698, 90700, 90723 CVX: 20, 50, 106, 107, 110, 120, 146, 198 SNOMED CT (Anaphylaxis): 428281000124107, 428291000124105 SNOMED CT (Encephalitis): 192710009, 192711008, 192712001
IPV	CPT: 90697, 90698, 90713, 90723 CVX: 10, 89, 110, 120, 146 SNOMED CT (Anaphylaxis): 471321000124106
MMR	CPT: 90707, 90710 CVX: 03, 94 ICD-10-CM: *Measles: B05.0- B05.4, B05.81, B05.89, B05.9 *Mumps: B26.0- B26.3, B26.81- B26.85, B26.89, B26.9 *Rubella: B06.00- B06.02, B06.09, B06.81, B06.82, B06.89, B06.9 SNOMED CT (Anaphylaxis): 471331000124109

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Vaccine	Codes						
HiB	<p>CPT: 90644,90647, 90648, 90697, 90698, 90748</p> <p>CVX: 17, 46, 47, 48, 49, 50, 51, 120, 146, 148, 198</p> <p>SNOMED CT (Anaphylaxis): 433621000124101</p>						
Hep B	<p>CPT: 90697,90723, 90740, 90744, 90747, 90748</p> <p>CVX: 08, 44, 45, 51, 110, 146, 198</p> <p>HCPCS: G0010</p> <p>ICD-10-CM: B16.0, B16.1, B16.2, B16.9, B17.0, B18.0, B18.1, B19.10, B19.11</p> <p>SNOMED CT (Anaphylaxis): 428321000124101</p>						
VZV	<p>CPT: 90710, 90716</p> <p>CVX: 21, 94</p> <p>ICD-10-CM: B01.0, B01.11, B01.12, B01.2, B01.81, B01.89, B01.9, B02.0, B02.1, B02.21- B02.24, B02.29, B02.30- B02.34, B02.39, B02.7, B02.8, B02.9</p> <p>SNOMED CT (Anaphylaxis): 471341000124104</p>						
PCV	<p>CPT: 90670, 90671, 90677</p> <p>CVX: 109, 133, 152, 215, 216</p> <p>HCPCS: G0009</p> <p>SNOMED CT (Anaphylaxis): 471141000124102</p>						
Hep A	<p>CPT: 90633</p> <p>CVX: 31, 83, 85</p> <p>ICD-10-CM: B15.0, B15.9</p> <p>SNOMED CT (Anaphylaxis): 471311000124103</p>						
Rotavirus	<table border="0"> <tr> <td>Rotavirus (2 Dose)</td> <td>Rotavirus (3 Dose)</td> </tr> <tr> <td>CPT: 90681</td> <td>CPT: 90680</td> </tr> <tr> <td>CVX: 119</td> <td>CVX: 116, 122</td> </tr> </table> <p>SNOMED CT (Anaphylaxis): 428331000124103</p>	Rotavirus (2 Dose)	Rotavirus (3 Dose)	CPT: 90681	CPT: 90680	CVX: 119	CVX: 116, 122
Rotavirus (2 Dose)	Rotavirus (3 Dose)						
CPT: 90681	CPT: 90680						
CVX: 119	CVX: 116, 122						
Influenza	<p>CPT: 90655, 90657, 90661, 90674, 90685, 90686, 90687, 90688, 90689, 90756, 90656, 90658</p> <p>CVX: 88, 140, 141, 150, 153, 155, 158, 161, 171, 186, 320</p> <p>SNOMED CT (Anaphylaxis): 471361000124100</p>						
Influenza LAIV	<p>CPT: 90660, 90672</p> <p>CVX: 111, 149</p> <p>SNOMED CT (Anaphylaxis): 471361000124100</p>						

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Combination Vaccine Codes

Combination Vaccine	CPT Code
DTaP-HepB-IPV	90723
DTaP-HiB-IPV	90698
DTaP-IPV-HiB-HepB	90697

Combination Vaccine	CPT Code
HiB-HepB	90748
Measles-Mumps-Rubella	90707
Measles-Mumps-Rubella-VZV	90710

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CPT	83655
LOINC	10368-9, 10912-4, 14807-2, 17052-2, 25459-9, 27129-6, 32325-3, 5674-7, 77307-7

¹ Vaccination Recommendations by the AAP. Home, www.aap.org/en/patient-care/immunizations/vaccination-recommendations-by-the-aap/. Accessed 24 Apr. 2026.

² Childhood Immunization Status (Cis-e). NCQA, 9 Mar. 2026, www.ncqa.org/report-cards/health-plans/state-of-health-care-quality-report/childhood-immunization-status-cis-e/.

³ Lead Screening in Children (LSC-E). NCQA, 19 Sept. 2025, www.ncqa.org/report-cards/health-plans/state-of-health-care-quality-report/lead-screening-in-children-lsc-e/.