

Childhood Immunization Status (CIS) Lead Screening in Children (LSC)

Patient Profile

MVP members two years of age during the current calendar year and who have received the recommended immunizations and lead screenings on or before their second birthday.

One—MMR (Measles, Mumps, Rubella)

Three—Hep B (Hepatitis B)

One—Hep A (Hepatitis A)

Three—IPV (Polio)

One—VZV (Varicella)

Three—HiB (Haemophilus Influenza Type B)

One (or more)—Capillary or venous lead blood test(s)

Four—DTaP (Diphtheria, Tetanus, Acellular Pertussis)

Two—Influenza (Flu)

Four—PCV (Pneumococcal)

Two or Three—RV (Rotavirus)

Exclusions

Members with a contraindication for a specific vaccine can be excluded from both measures. Examples include but are not limited to:

- Members with immunodeficiency may be excluded from MMR, VZV, and influenza
- Members with anaphylactic reaction to a vaccine or its components can be excluded from that vaccine
- Members in hospice care



How to Implement Best Practices and Improve Performance

- Childhood immunizations and lead blood tests can be completed by the child's 15th month birthdate; check all members' immunization/lead screening status report at 12 months of age to allow time to catch up by their second birthday.
- Provide Immunization tracking booklets to parents/guardians to help visually reinforce and promote active participation in their child's immunization schedule
- Assess immunization needs at every clinical encounter including sick visits, follow-up visits, well child visits, annual physicals, weight checks, etc.
- Ensure that immunization records include all vaccine doses that were ever given at any location, such as hospitals or county health departments; also include in documentation:
 - All former providers
 - Refusals including date
 - Contraindications including date
 - Allergies
 - Immune status (documented disease hx/+titres) for an at-a-glance concise source of information
- Establish office procedures to help eliminate missed opportunities to vaccinate:
 - Enter all administered vaccine doses into your regional Immunization Information System and review the list of delinquent vaccines prior to each visit
 - Develop electronic medical record alerts for staff to address delinquent vaccines
 - Elect an office "champion" to track missed vaccines and evaluate practice immunization rates

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- Send appointment confirmations to parents/guardians with postcards, phone calls, texts, emails, or patient portal notifications
- Incorporate periods of extended morning, evening, and weekend hours to conduct vaccine clinics to accommodate parents/guardians who work or are in school
- Reschedule appointments for those who were no-shows for a vaccine visit
- Schedule the child's next vaccine appointment before parent/guardian leaves any visit to your office
- For new patients to the practice, ask parents/guardian to bring immunization records from all former providers to their initial visit
- Consider tracking the on-time fourth DTaP dose as an endpoint vaccine and administer all the remaining recommended vaccines at that visit.
- Avoid documenting records as “up-to-date” on vaccines unless all HEDIS required immunizations have been given by the second birthday including Hep A, Rotavirus, and Influenza vaccines.
- Establish a Flu Prevention Program and offer clinics several times during the flu season.
- Hold free educational sessions to address immunization and blood lead screening education in groups where peer support may help drive the decision to vaccinate, such as childcare facilities, elementary schools, or during parent's meetings.
- Establish a culture of vaccine communication with all other disciplines such as WIC, PT, ST, OT, CPS, LCSWs, and other specialists involved in the health care of the child.
- Document all parent/guardian vaccine refusals in the immunization record; continue to educate and discuss the importance of childhood immunizations at every encounter with parents/guardians who have previously refused vaccines.
- Work with county public health departments to identify barriers to immunize and offer resources to address these barriers.
- For additional tools and resources for best practices and CEUs, visit cdc.gov, select Healthy Living, then Vaccines & Immunizations:
 - Catch-Up Vaccine Schedule
 - You Call the Shots
 - Talking with Parents about Vaccines for Infants
 - If You Choose Not to Vaccinate Your Child; Understand the Risks and Responsibilities

Information related to all 2021 HEDIS measures has been extracted from the NCQA 2021 HEDIS Technical Specifications Volume 2.

2021 Coding for Childhood Immunization Status (CIS)

Codes for CIS	Use of these codes will make the member a pass for CIS
DTap Immunization	CVX: 20, 50, 106-107, 110, 120
DTap Vaccine Procedure	CPT: 90698, 90700, 90723 SNOMED CT US: Multiple codes including but not limited to 170395004, 170396003, 313383003, 390846000, 412764001, 414001002, 770618004, 787436003, 428251000124104, 571571000119105, 16298561000119108
Haemophilus Influenzae Type B (HIB) Vaccine Administered	CVX: 17, 46-51, 120, 148
HiB Vaccine Procedure	CPT: 90698, 90748, 90644-48 SNOMED CT US: Multiple codes including but not limited to 127787002, 170343007, 310308006, 312869001, 414259000, 415507003, 770618004, 786846001, 787436003
Hepatitis A	ICD-10 CM: B15.0, B15.9 SNOMED CT US: 16060001, 18917003, 25102003, 40468003, 43634002, 79031007, 111879004, 165997004, 206373002, 278971009, 310875001, 424758008, 428030001, 105801000119103
Hepatitis A Immunization	CVX: 31, 83, 85

2021 Coding for Childhood Immunization Status (CIS)

Hepatitis A Vaccine Procedure	CPT: 90633 SNOMED CT US: Multiple codes including but not limited to 90633, 170378007, 170437009, 243789007, 312868009, 313188000, 394691002, 412742005, 571511000119102
Hepatitis B	ICD-10 CM: B16.0-B16.2, B16.9, B17.0, B18.0-B18.1, B19.10-B19.11, Z22.51 SNOMED CT US: Multiple codes including but not limited to 1116000, 13265006, 26206000, 38662009, 53425008, 66071002, 76795007, 165806002, 186624004, 271511000, 313234004, 446698005, 153091000119109
Hepatitis B Immunization	CVX: 08, 44-45, 51, 110
Hepatitis B Vaccine Procedure	CPT: 90723, 90740, 90744, 90747-8 HCPCS: G0010 SNOMED CT US: Multiple codes including but not limited to 16584000, 170370000, 170372008, 170373003, 170435001, 170436000, 312868009, 396456003, 770608009, 770617009, 770618004, 787438002, 572561000119108
Inactivated Polio Vaccine (IPV) Immunization	CVX: 10, 89, 110, 120
IPV Procedure	CPT: 90698, 90713, 90723 SNOMED CT US: 396456003, 414001002, 414259000, 414619005, 414620004, 415507003, 415712004, 416144004, 416591003, 417211006, 417384007, 417615007
Influenza Immunization	CVX: 88, 135, 140, 141, 150, 153, 155, 158, 161
Influenza Vaccine Procedure	CPT: 90655, 90657, 90673, 90661, 90685-9 HCPCS: G0008 SNOMED CT US: 86198006, 786847005, 787016008
Influenza Virus LAIV Immunization	CVX: 111, 149
Influenza Virus LAIV Vaccine Procedure	CPT: 90660, 90672
Measles	ICD-10 CM: B05.0-B05.4, B05.81, B05.89, B05.9 SNOMED CT US: 14189004, 28463004, 38921001, 60013002, 74918002, 111873003, 161419000, 186561002, 186562009, 195900001, 240483006, 240484000, 371111005, 406592004, 417145006, 105841000119101
Measles Immunization	CVX: 05
Measles Rubella Immunization	CVX: 04
Measles Rubella Vaccine Procedure	CPT: 90708
Measles Vaccine Procedure	CPT: 90705 SNOMED CT US: 47435007, 170364006, 572481000119103
Measles, Mumps and Rubella (MMR) Immunization	CVX: 03, 94
MMR Vaccine Procedure	CPT: 90707, 90710 SNOMED CT US: 38598009, 170433008, 432636005, 433733003, 150971000119104, 571591000119106, 572511000119105
Mumps	ICD-10 CM: B26.0-B26.3, B26.81-B26.85, B26.89, B26.9 SNOMED CT US: Multiple codes including but not limited to 10665004, 17121006, 36989005, 44201003, 63462008, 75548002, 89231008, 161420006, 235123001, 237443002, 240526004, 240529006, 371112003, 105821000119107
Mumps Immunization	CVX: 07
Mumps Vaccine Procedure	CPT: 90704 SNOMED CT US: 50583002
Newborn Hepatitis B Vaccine Administered	ICD-10 PCS: 3E0234Z SNOMED CT US: 170370000, 426980004
Pneumococcal Conjugate Immunization	CVX: 133, 152

2021 Coding for Childhood Immunization Status (CIS)

Pneumococcal Conjugate Vaccine Procedure	CPT: 90670
	HCPCS: G0009
	SNOMED CT US: 434751000124102
Rotavirus (2 Dose Schedule) Immunization	CVX: 119
Rotavirus (3 Dose Schedule) Immunization	CVX: 116, 122
Rotavirus Vaccine (2 Dose Schedule) Procedure	CPT: 90681
	SNOMED CT US: 434741000124104
Rotavirus Vaccine (3 Dose Schedule) Procedure	CPT: 90680
	SNOMED CT US: 434731000124109
Rubella	ICD-10 CM: B06.00-.02, B06.09, B06.81-.82, B06.89, B06.9
	SNOMED CT US: Multiple codes including but not limited to 10082001, 36653000, 51490003, 79303006, 84611003, 128191000, 161421005, 186567003, 231985001, 253227001, 406112006, 1092361000119109,
Rubella Immunization	CVX: 06
Rubella Vaccine Procedure	CPT: 90706
	SNOMED CT US: 82314000
Varicella Zoster	ICD-10 CM: B01.0, B01.11, B01.12, B01.2, B01.81, B01.89, B01.9, B02.0, B02.1, B02.21, B02.22-B02.24, B02.29, B02.30, B02.31, B02.32, B02.33, B02.34, B02.39, B02.7-B02.9
	SNOMED CT US: Multiple codes including but not limited to 4740000, 10698009, 24059009, 38907003, 55560002, 87513003, 161423008, 186525007, 230198004, 230262004, 235059009, 240470005, 240473007, 240474001, 397573005, 402897003, 410500004, 410509003, 422446008, 422666006, 424353002, 424435009, 425356002, 428633000, 713964006, 715223009, 12561000132105, 331071000119101, 15678801000119102, 15680201000119106, 15685121000119100, 15685281000119108, 15989271000119107, 15989311000119107, 15991791000119104
Varicella Zoster (VZV) Immunization	CVX: 21, 94
VZV Vaccine Procedure	CPT: 90710, 90716
	SNOMED CT US: 425897001, 428502009, 473164004, 571611000119101
Exclusion from CIS	The following codes excludes members from passing this measure.
Anaphylactic Reaction Due to Vaccination	ICD-10 CM: T80.52XA, T80.52XD, T80.52XS
	SNOMED CT US: 428241000124101, 428281000124107, 428291000124105, 428301000124106, 428321000124101, 428331000124103, 433621000124101
Disorders of the Immune System	ICD-10 CM: D80.1-D80.9, D81.0-D81.4, D81.6, D81.7, D81.89, D81.9, D82.0-D82.4, D82.8, D82.9, D83.0-D83.2, D83.8, D83.9, D84.0, D84.1, D84.8, D84.9, D89.3, D89.810-D89.813, D89.82, D89.89, D89.9
	SNOMED CT US: Multiple codes including but not limited to 18827005, 23238000, 36070007, 39674000, 82966003, 88714009, 190996002, 190997006, 234416002, 263661007, 402355000, 414029004, 426202004, 722067005, 763623001, 789777007, 121121000119106
Encephalopathy Due to Vaccination	ICD-10 CM: G04.32
	SNOMED CT US: 192704009, 192705005, 192706006, 192707002, 192708007, 192709004, 192710009, 192711008, 192712001, 192713006, 192714000, 192715004, 192716003, 192717007, 192718002, 192719005, 192720004, 192721000, 192722007, 192723002, 192724008
HIV	ICD-10 CM: B20, Z21
	SNOMED CT US: Multiple codes including but not limited to 40780007, 86406008, 91948008, 186707002, 235009000, 276666007, 315019000, 398329009, 402901009, 445945000, 697904001, 700053002, 713260006, 735528007, 771119002, 81000119104, 90691000119105, 10746341000119109

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HIV Type 2	<p>ICD-10 CM: B97.35</p> <p>SNOMED CT US: 79019005, 72621000119104</p>
Hospice Encounter	<p>HCPCS: G9474-79, Q5003-8, Q5010, S9126, T2042-46</p> <p>SNOMED CT US: 183919006, 183920000, 183921001, 305336008, 305911006</p> <p>UB Rev: 0115, 0125, 0135, 0145, 0155, 0235, 0650-52, 0655-59</p>
Hospice Intervention	<p>CPT: 99377-78</p> <p>HCPCS: G08182</p> <p>SNOMED CT US: 170935008, 170936009, 385763009</p>
Intussusception	<p>ICD-10 CM: K56.1</p> <p>SNOMED CT US: Multiple codes including but not limited to 11578004, 27673007, 38397000, 49723003, 64976006, 91446004, 111361008, 197054001, 313326008, 405558008, 721651002</p>
Malignant Neoplasm of Lymphatic Tissue	<p>Multiple ICD-10 CM Codes: Ranging from C81.00-C96.Z</p> <p>SNOMED CT US: Multiple codes including but not limited to 13048006, 31047003, 58961005, 91854005, 92516002, 92811003, 93199007, 93200005, 93555009, 94071006, 94719007, 95186006, 109962001, 110004001, 118618005, 127070008, 188506004, 236513009, 397011009</p>
Severe Combined Immunodeficiency	<p>ICD-10 CM: D81.0-D81.2, D81.9</p> <p>SNOMED CT US: Multiple codes including but not limited to 3439009, 22406001, 36980009, 44940001, 55602000, 71904008, 111584000, 203592006 234570002, 362993009, 715982006, 724361001, 725135004, 789777007</p>
Vaccine Causing Adverse Effect	<p>ICD-10 CM: T50.A15A, T50.A15D, T50A15S</p> <p>SNOMED CT US: Multiple codes including but not limited to 219084006, 219085007, 287180004, 288309006, 293104008, 293107001, 293109003, 293110008, 293113005, 293114004, 293117006, 293119009, 293126009, 420113004, 429301000124101, 429521000124101, 15920121000119103</p>

2021 Coding for Lead Screening in Children (LSC)

Codes for LSC	Use of these codes will make the member a pass for LSC
Lead Tests	<p>CPT: 83655</p> <p>LOINC: 10368-9, 10912-4, 14807-2, 17052-2, 25459-9, 27129-6, 32325-3, 5671-3, 5674-7, 77307-7</p> <p>SNOMED CT US: 8655006, 35833009</p>
Exclusion from LSC	The following codes excludes members from passing this measure.
Hospice Encounter	<p>HCPCS: G9474-79, Q5003-8, Q5010, S9126, T2042-46</p> <p>SNOMED CT US: 183919006, 183920000, 183921001, 305336008, 305911006</p> <p>UB Rev: 0115, 0125, 0135, 0145, 0155, 0235, 0650-52, 0655-59</p>
Hospice Intervention	<p>CPT: 99377-78</p> <p>HCPCS: G08182</p> <p>SNOMED CT US: 170935008, 170936009, 385763009</p>