Childhood Immunizations Status (CMS117)

The following is for educational purposed only and is not intended to be clinical or legal advice. The information provided in the Measure Details section is based on specification published by CMS at https://ecqi.healthit.gov/ecqm/ec/2023/cms117v11

Measure Details

Description *

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 or four H influenza type B (Hib); three hepatitis B (Hep B); one chicken pox (VZV); four pneumococcal conjugate (PCV); one hepatitis A (Hep A); two or three rotavirus (RV); and two influenza (flu) vaccines by their second birthday

Initial Population

Children who turn 2 years of age during the measurement period and ~~who~~ have a visit during the measurement period

Denominator

Equals Initial Population

Numerator

Diphtheria, tetanus, and pertussis (DTaP) vaccination
Children with any of the following on or before the child's 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.

Poliovirus vaccination (IPV)
At least three IPV vaccinations, with different dates of service on or before the child's second birthday. Do not count a vaccination administered prior to 42 days after birth.

Measles, mumps, and rubella vaccination (MMR)
Children with either of the following meet criteria:
- At least one MMR vaccination on or between the child's first and second birthdays.
- All of the following anytime on or before the child's second birthday (on the same or different date of service)
  - History of measles
  - History of mumps
  - History of rubella

Haemophilus influenzae type b vaccination (HiB)
Children with either of the following meet criteria on or before the child's second birthday:
- 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.

Hepatitis B
Children with any of the following on or before the child's second birthday meet criteria:
- At least three hepatitis B vaccinations, with different dates of service.
  - One of the three vaccinations can be a newborn hepatitis B vaccination during the eight-day period that begins on the date of birth and ends seven 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.
- Anaphylaxis due to the hepatitis B vaccine.
- History of hepatitis B illness.

Varicella vaccination (VZV)

Children with either 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.

Pneumococcal Conjugate

At least four pneumococcal conjugate vaccinations, with different dates of service on or before the child's second birthday. Do not count a vaccination administered prior to 42 days after birth.

Hepatitis A

Children with either 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.

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 on or before the child's second birthday.

Influenza

At least two influenza vaccinations, with different dates of service on or before the child's second birthday. Do not count a vaccination administered prior to 6 months (180 days) after birth.

- One of the two vaccinations can be an LAIV vaccination administered on the child's second birthday. Do not count an LAIV vaccination administered before the child's second birthday.

Denominator Exclusion

Exclude ~~patients~~ children with any of the following on or before the child's second birthday:

- Severe combined immunodeficiency
- Immunodeficiency
- HIV
- Lymphoreticular cancer, multiple myeloma or leukemia
- Intussusception

Exclude children who are in hospice care for any part of the measurement period.

Overview

What is Documented	When is it Documented	Where in QMER
Qualifying Encounter	During Measurement Period (2023)	Coded SOAP Note
4 DTaP Vaccines (see Numerator for more)	On or Before Patients Second Birthday	Immunizations Module
3 IPV Vaccines (see Numerator for more)	On or Before Patients Second Birthday	Immunizations Module
1 MMR Vaccine (see Numerator for more)	On or Before Patients Second Birthday	Immunizations Module
3-4 Hib Vaccines (see Numerator for more)	On or Before Patients Second Birthday	Immunizations Module
3 Hep B Vaccines (see Numerator for more)	On or Before Patients Second Birthday	Immunizations Module
1 VZV Vaccine (see Numerator for more)	On or Before Patients Second Birthday	Immunizations Module
4 PCV Vaccines (see Numerator for more)	On or Before Patients Second Birthday	Immunizations Module
1 Hep A Vaccine (see Numerator for more)	On or Before Patients Second Birthday	Immunizations Module
2-3 RV Vaccine (see Numerator for more)	On or Before Patients Second Birthday	Immunizations Module
2 flu Vaccines (see Numerator for more)	On or Before Patients Second Birthday	Immunizations Module

Exclusions/Exceptions	Where in QEMR
Patients who are in hospice care for any part of the measurement period	History Module
Exclude children with any of the following on or before the child's second birthday: • Severe combined immunodeficiency • Immunodeficiency • HIV • Lymphoreticular cancer, multiple myeloma or leukemia • Intussusception	History Module or DxCpt

2022 to 2023 Changes

Review https://ecqi.healthit.gov/ecqm/ec/2023/cms117v11?sort_order=2022vs2023 for detailed list of additional items which can increment the numerator.

Set Up

All codification shown is an example for incrementation, for a full list of accepted codes please visit Value Set Authority Center.

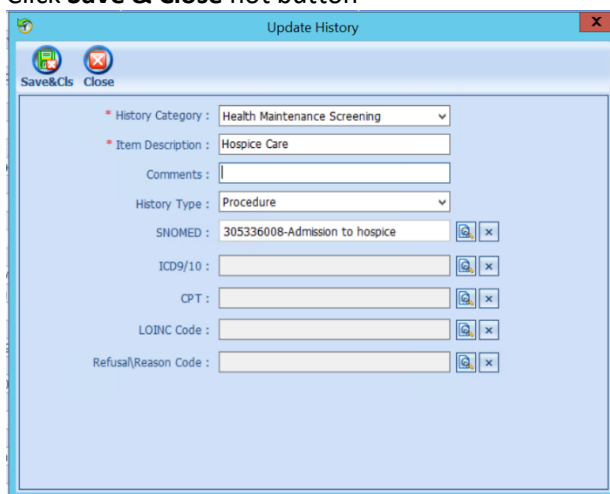## Qualifying Encounter

No set up required

Vaccinations

The above listed immunizations must be built into the IM Setup module via Go > Immunizations. For details see the user guide in **QEMR > Help > User Guide > Edit > IM Setup**

Building Hospice History Item

Build the history items below:

1. Log into **QEMR** > Navigate to **Edit** > **History**
2. Highlight *desired* **History Category** list on left side bar
3. Click **New** hot button
4. **Complete the Update History** Screen as seen below
5. Click **Save & Close** hot button

Workflow

Qualifying Encounter

Following standard office workflow, document patient visit(s) via SOAP notes and code with CPT and diagnosis codes using either DxCPT, SmartDx or Smart CPT modules.

Documenting Vaccines

Vaccines Received In-office

Vaccination documentation performed via **Go > Immunization**
1. Navigate to **Go** > **Immunization** > **New** hot button
2. Enter all appropriate information > Click **Save & Close** hot button

Vaccines Received Elsewhere

If the patient **received the vaccine elsewhere**
1. Indicate via **Reported** radio button
2. Enter all appropriate information > Click **Save & Close** hot button

Documenting Hospice Care if Applicable

To document Hospice Care, follow steps below:
1. Navigate to **History** Module > **Health Maintenance** category
   a. Double-click Hospice Care
   b. Enter **Occur Date**

Category	Item	Comments	Smoking Status	Active	Occur Date	Date Entered	Source
th Maintenance Screening							
	Hospice Care				01/19/2022	1/19/2022 9:21 AM	gloEMR

Incrementing Details

Occur Dates

To increment ANY measure using the History Module the Occur Dater MUST be documented using appropriate date based upon Measure Description.

Exam Coding

If exam notes (Past Exams) are not coded with Diagnosis Code and CPT code measures will not increment.

Measure Specific Codes

The codification shown in this document are examples of qualifying documentation. To see a full list please visit Value Set Authority Center.

CMS Guidance *

The measure allows a grace period by measuring compliance with these recommendations between birth and age two.