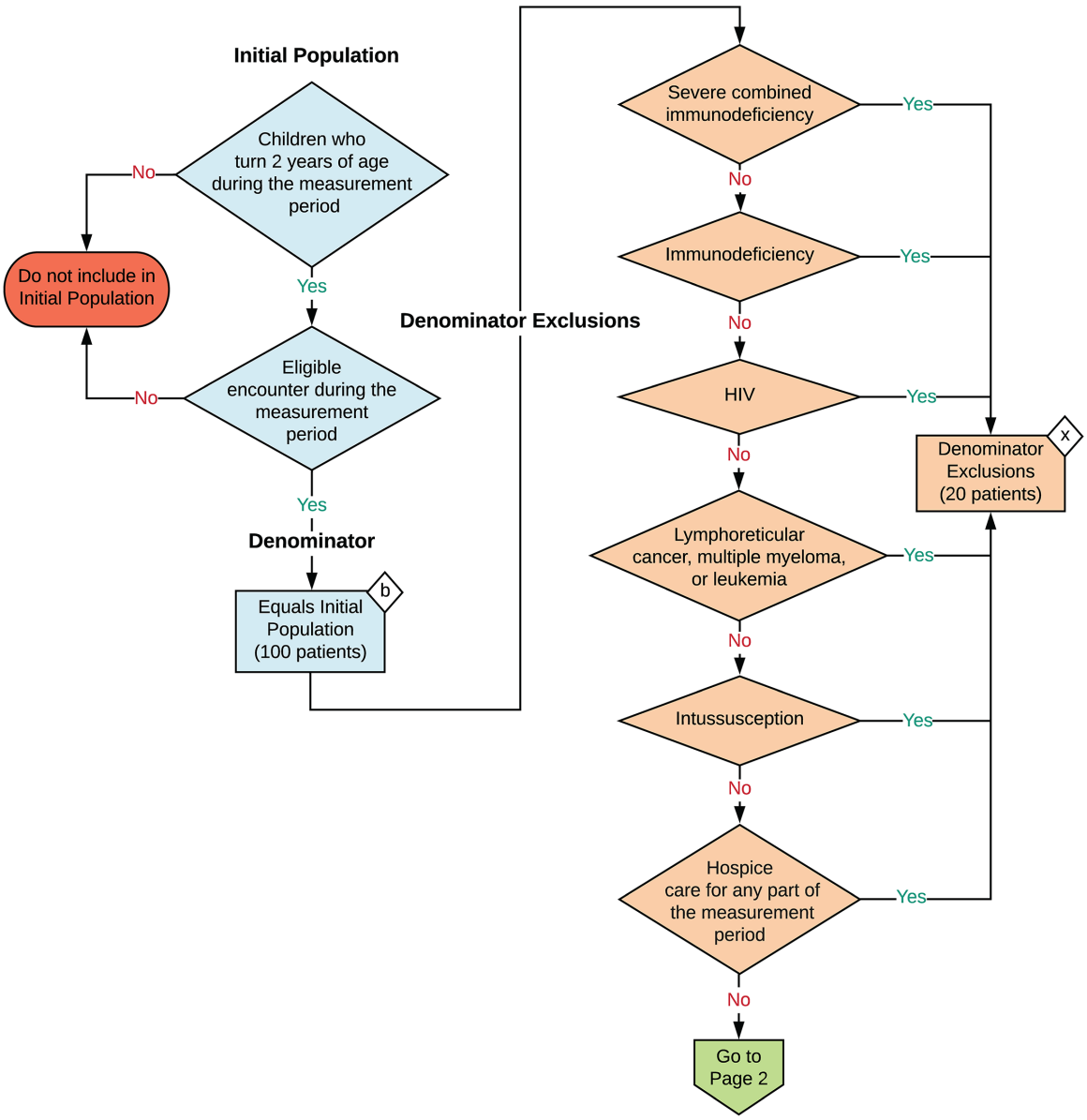
2024 eCQM Flow
eCQM Identifier: CMS117v12

NOTE: This flow diagram represents an overview of population criteria requirements. **Refer to the eCQM specification for a complete list of data elements included in this measure and required for submission.**

Childhood Immunization Status

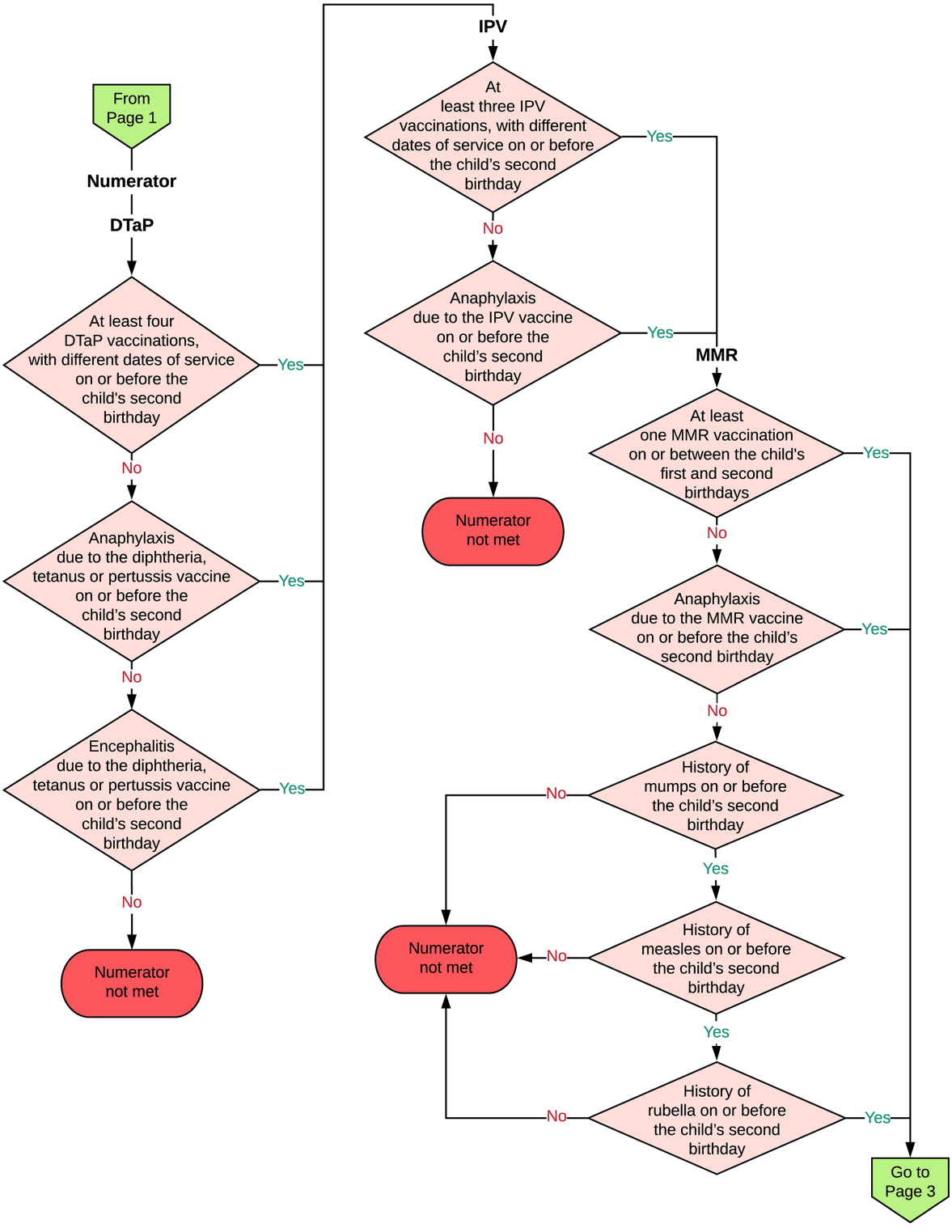
Percentage of children 2 years of age who had four diphtheria, tetanus and acellular pertussis (DTaP); three polio (IPV), one measles, mumps and rubella (MMR); three or four H influenza type B (HiB); three hepatitis B (Hep B); one chicken pox (VZV); four pneumococcal conjugate (PCV); one hepatitis A (Hep A); two or three rotavirus (RV); and two influenza (flu) vaccines by their second birthday

This eCQM is a patient-based measure



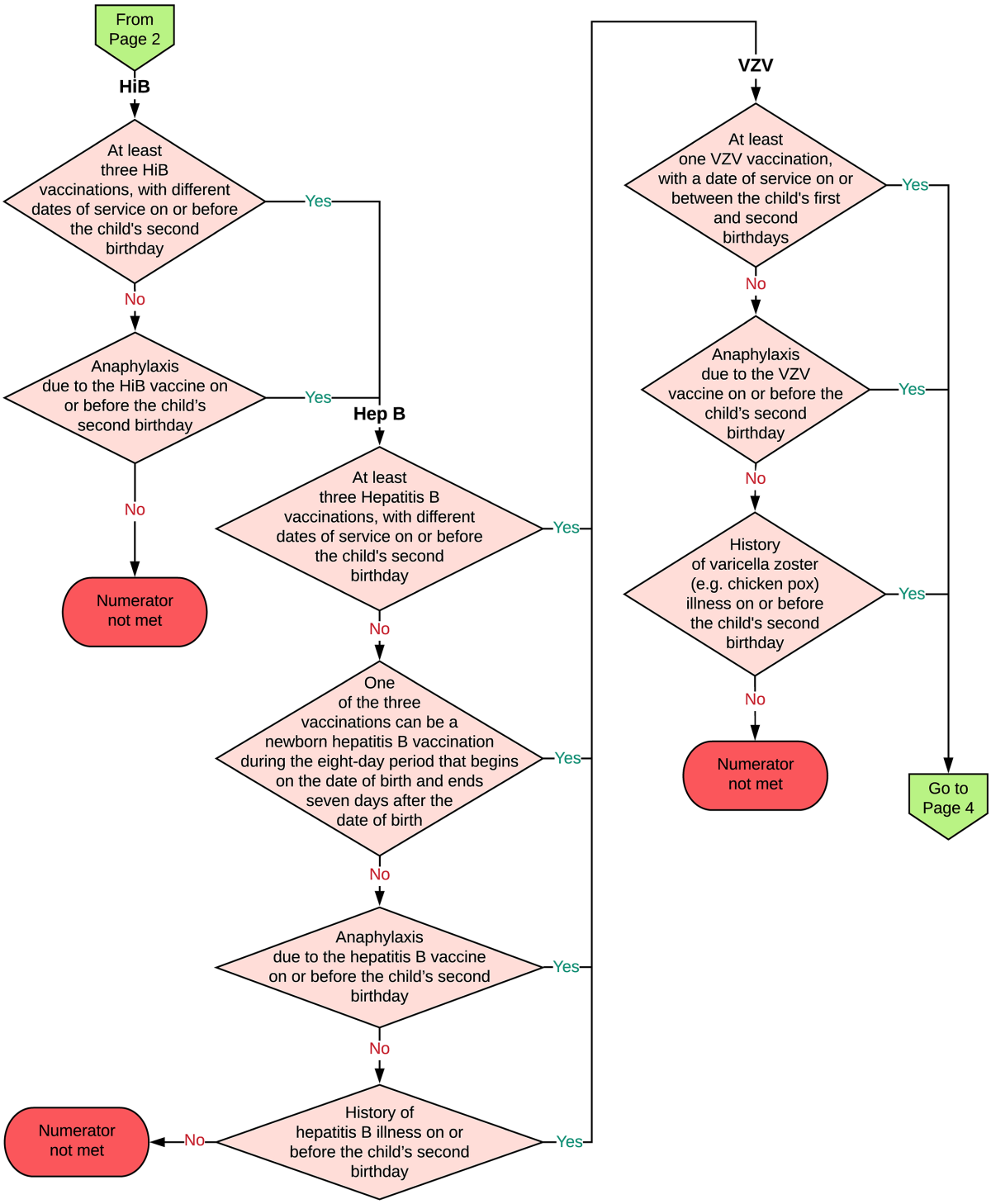
2024 eCQM Flow
eCQM Identifier: CMS117v12

Childhood Immunization Status



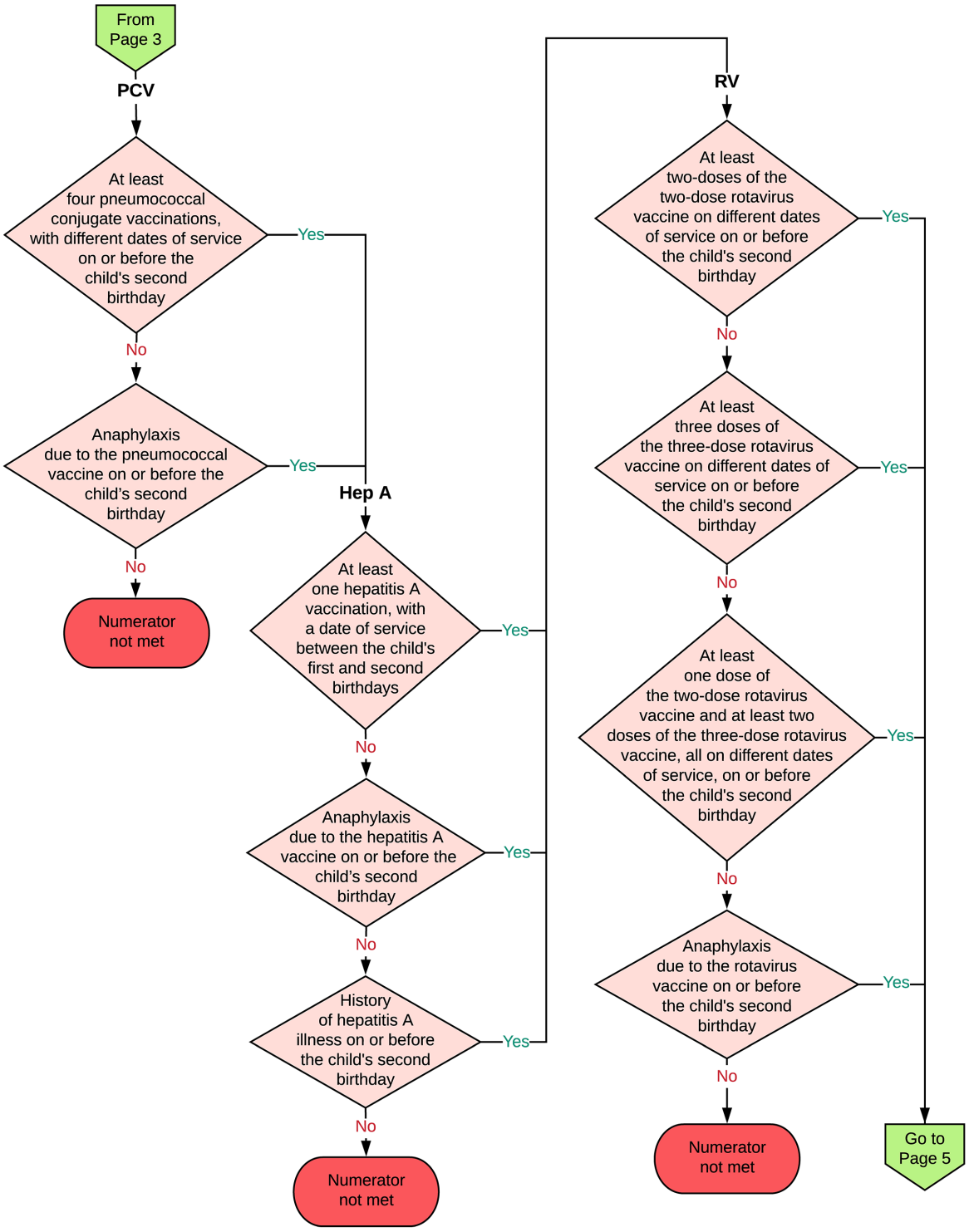
2024 eCQM Flow
eCQM Identifier: CMS117v12

Childhood Immunization Status



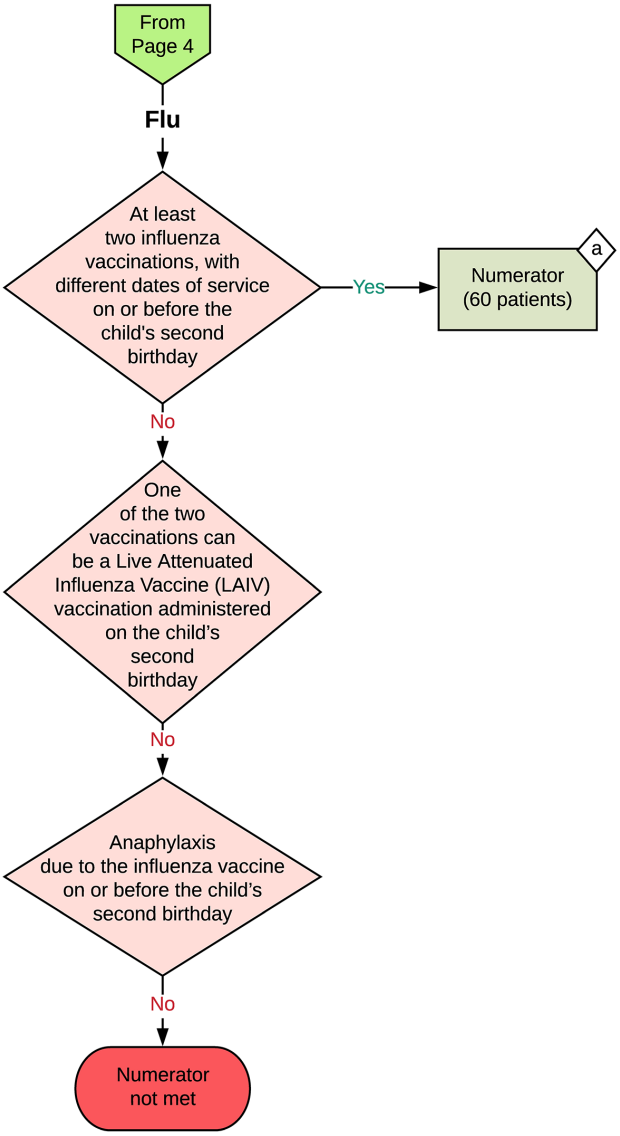
2024 eCQM Flow
eCQM Identifier: CMS117v12

Childhood Immunization Status



2024 eCQM Flow
eCQM Identifier: CMS117v12

Childhood Immunization Status



Sample Calculation

Performance Rate =

$$\frac{\text{Numerator (a = 60 patients)}}{\text{Denominator (b = 100 patients) - Denominator Exclusions (x = 20 patients)}} = \frac{60}{80} = 75\ \%$$

eCQM Identifier: CMS117v12
eCQM Title: Childhood Immunization Status

NOTE: This flow diagram represents an overview of population criteria requirements. Refer to the eCQM specification for a complete list of data elements included in this measure and required for submission.

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.

This eCQM is a patient-based measure.

eCQM Flow Narrative

Initial Population
Start by identifying the Initial Population, which includes children who turn 2 years of age during the measurement period and who have an eligible encounter during the measurement period.

Denominator
The Denominator equals the Initial Population. In the sample calculation provided at the end of the eCQM flow, the Denominator is equal to 100 patients.

Denominator Exclusions
The Denominator Exclusions criteria identify a subset of the Denominator population by excluding children with severe combined immunodeficiency on or before the child's second birthday, children with immunodeficiency on or before the child's second birthday, children with HIV on or before the child's second birthday, children with lymphoreticular cancer, multiple myeloma or leukemia on or before the child's second birthday, children with intussusception on or before the child's second birthday, and children who are in hospice care in any part of the measurement period. In the sample calculation provided at the end of the eCQM flow, the Denominator Exclusions are equal to 20 patients.

Numerator
The Numerator criteria identify a subset of the Denominator population (that did not meet the Denominator Exclusions criteria) by including children who have evidence showing they received recommended vaccines, had documented history of the illness, or had an allergic reaction to the vaccine by their second birthday. In the sample calculation provided at the end of the eCQM flow, the Numerator is equal to 60 patients.

Sample Calculation
A sample calculation is provided to help determine how the measure performance rate is derived. The measure performance rate is calculated by dividing the Numerator (total equals 60 patients) by the difference between the Denominator (total equals 100 patients) and the Denominator Exclusions (total equals 20 patients), which is equal to a score of 75 percent.