



## ONC Health IT Certification Program Insights Condition

Updated April 2023

### Measure ID and Version: Interop\_Public Health\_2\_v1

**Measure Title:** Immunization History and Forecasts Measure

#### Measure Description

- *Regulatory Reference:* 42 CFR § 170.407(a)(9)
- *Associated Certification Criteria:* 42 CFR § 170.315(f)(1)
- This measure captures the use of certified health IT to query information from an immunization information system (IIS).

#### Denominator(s)

1. The number of immunization queries sent during the reported period.
2. The number of encounters (see Definitions) during the reporting period.

#### Numerator(s)

1. The number of query responses received successfully (see Definitions) from an IIS during the reporting period.

#### Stratifications

- *Denominator 1 and Numerator 1:*
  - IIS
  - Age Group
    - Adults = 18 years and over
    - Adolescents/infants = 17 years and under

#### Definitions

- **Successful Response:** A successful response from an IIS should be the total number of messages submitted minus acknowledgements with errors (2.5.1, severity level of E)
- **Encounter:** The definition of encounter codes follows HITAC recommendations:
  - Outpatient encounter codes = NCQA's Outpatient Value Set
  - Inpatient encounter codes = SNOMED codes 4525004, 183452005, 32485007, 8175000, and 48951000124107

#### Supplemental Reporting Information

- **Required:** Reports shall include counts and be aggregated at the product level (across versions).
- **Required:** Reports shall include the percent proportion overall and by stratification and should include the numerator and denominator counts overall and by stratification.
- **Required:** Developers shall submit documentation on the data sources and methodology used to generate these measures.
- **Optional:** Developers may also submit descriptive or qualitative information to provide context.

## Notes

- Not every encounter would necessarily have a query. Some queries may also be performed outside the concept of an encounter.
- Not all providers sites may be able to query, depending on the bidirectional connectivity status and vendor interoperability architecture.
- This measure would not capture immunization data that is pushed to EHRs.

## Exclusions

- Products that are not certified to 42 CFR § 170.315(f)(1) are excluded from this measure.

## Measure Characteristics

- *Measure Scoring:* Proportion
- *Measure Area:* Public Health Information Exchange
- *Measure Category:* Interoperability

## Expected Metrics

- Percent of immunization forecast queries responses from an IIS electronically received among all queries sent.
- Percent of immunization forecast queries responses from an IIS electronically received among all patient encounters.