ONC Health IT Certification Program Insights Condition
Updated January 17,2025

Measure ID and Version: Interop_Public Health_2_v4

Measure Title: Immunization History and Forecasts Through Certified Health IT

Measure Description

- *Regulatory Reference*: § 170.407(a)(3)(vii)
- *Associated Certification Criteria*: § 170.315(f)(1)
- This measure provides insights into the use of certified health IT to query immunization history and forecast information from an immunization information system (IIS), including stratifying responses based on IIS.

Metric(s) and Repotting Timeline

Metric	Program Year
The number of immunization queries sent to IISs overall	Year 2
The number of query responses received successfully from IISs overall	Year 2
The number of query responses received from IISs with acknowledgement with the error of severity level E overall	Year 2
The number of immunization queries sent to IISs overall by IIS	Year 3
The number of query responses received successfully from IISs overall and by IIS	Year 3
The number of query responses received from IISs with acknowledgement with the error of severity level E overall by IIS.	Year 3

Note: "Program Year" refers to the implementation year of the Insights Condition. "Year 1" measures start data collection in calendar year (CY) 2026 (January 1st, 2026-December 31st, 2026), with responses due in July 2027 (and annually thereafter). "Year 2" measures start data collection in CY 2027, with responses due in July 2028 (and annually thereafter). "Year 3" measures start data collection in CY 2028, with responses due in July 2029 (and annually thereafter).

Definitions

- **Queries Sent:** The total number of messages sent to IISs
- **Successful Response:** The total number of messages received from IISs that returned a complete immunization history, an evaluated history, or an evaluated forecast.

Supplemental Reporting Information

- **Required:** Measures and related metrics are due annually. The reporting period is one calendar year.
- **Required:** Measures and related metrics must be aggregated at the product level (across versions).
  - Note that health IT developers with integrated certified health IT products will only have to report one response for each metric for those products (rather than two or more individual responses).

- **Required**: Developers must provide percentage of total customers (e.g., hospital, individual clinician users) represented in the provided data for each metric response.
- **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.
- **Optional:** Developers may submit instances where a complete bidirectional loop is not possible for users of certified health IT.
- **Optional:** Developers may provide separate counts for query responses returned, by their acknowledgement code (by IIS) and counts of the descriptive context levels in acknowledgements.

Implementation Information

- ONC will provide templates that will list the jurisdiction for each IIS to facilitate consistent reporting in a structured, electronic format.
- Not every encounter necessarily has a query, and some queries may also be performed outside an encounter.
- Not all providers sites may be able to query and receive data from an IIS where a complete bidirectional loop is not possible.
- The metrics focus on use of certified health IT and does not distinguish between health care providers who administer and who do not administer immunizations.
- Query Sent to IIS:
    - The metrics should count queries to increment for history, forecast, or history and forecast.
    - The initial query and each refined query should individually increment the total number of immunization queries sent to an IIS.
- Successful Response Received from IIS:
    - The metrics should increment for each successful message received from IISs.
    - The metrics should count messages to increment for history, forecast, or history and forecast.
    - The metrics include Z42 and Z32 messages.

Exclusions

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

Measure Characteristics

- Measure Area: Public Health Information Exchange
- Measure Category: Interoperability

Specification Sheet Version History

- Version 1 released April 14, 2023
- Version 2 released December 13, 2023
- Version 3 released July 10, 2024
- Version 4 released January 17, 2025