Health Data, Technology, and Interoperability:
Certification Program Updates, Algorithm Transparency, and Information Sharing
(HTI-1) Proposed Rule

ONC Health IT Certification Program Insights Condition
Updated April 2023

Measure ID and Version: Interop_Standards_2_v1

Measure Title: Use of FHIR in Apps Supported by Certified API Technology

Measure Description

- *Regulatory Reference*: 42 CFR § 170.407(a)(5)
- *Associated Certification Criteria*: 42 CFR § 170.315(g)(10)
- This measure captures the volume of FHIR resources transferred in response to API calls from apps connected to certified API technology by FHIR resource type.

Denominator(s)

1. Number of distinct certified API technology deployments (across clients).

Numerator(s)

1. Number of FHIR resources returned/transferred in response to a call to a certified API technology by resource type.
2. Number of distinct certified API technology deployments (across clients) associated with at least one FHIR resource returned/transferred in response to a call.

Stratifications

- *Denominator 1 and Numerators 1 & 2*:
  - Type of endpoint (see Definitions)
    - Patient-facing
    - Non-patient-facing
  - FHIR version
  - U.S. Core Implementation Guide version

Definitions

- **Patient-Facing Endpoints:** Endpoints that are for patients accessing their electronic health information (EHI) via certified API technology
- **Non-Patient-Facing Endpoints:** Endpoints that are for other types of users to access EHI via certified API technology

Supplemental Reporting Information

- **Required:** Measures shall be aggregated at the product level (across versions).
- **Required:** Documentation shall be provided related to the data sources and methodology used to generate these measures.
- **Optional:** Developers may also submit descriptive or qualitative information to provide context.

Notes

- None

Exclusions

- Products that are not certified to 42 CFR § 170.315(g)(10) are excluded from this measure.
- Non-FHIR and data represented with propriety standards are excluded from this measure.

Measure Characteristics

- *Measure Scoring*: Proportion
- *Measure Area*: Standards Adoption and Conformance
- *Measure Category:* Interoperability

Expected Metrics

- Percent of data transferred by type of FHIR resource for non-patient-facing APIs overall, by FHIR resource version and by U.S. Core implementation guide.
- Percent of data transferred by type of FHIR resource for patient-facing APIs overall, by FHIR resource version and by U.S. Core implementation guide.
- Percent of certified API technology deployments where data was transferred for non-patient-facing APIs overall and by FHIR resource version and by U.S. Core implementation guide.
- Percent of certified API technology deployments where data was transferred for patient-facing APIs overall and by FHIR resource version and by U.S. Core implementation guide.
- Percent of certified API technology deployments by FHIR resource version and by U.S. Core implementation guide.