

Inferno Tech Talk – May 2024

Robert Scanlon

MITRE Inferno Team

May 8, 2024

MITRE | SOLVING PROBLEMS
FOR A SAFER WORLD™

Inferno Tech Talk Introduction

- Purpose: to provide regularly scheduled updates on the Inferno tool and its implementation of the (g)(10) test procedure
- Typical agenda to include:
 - Announcements about upcoming releases
 - Training on new features
 - Highlight outstanding issues or known problems
 - Open discussion
- Monthly recurrence: 2nd Wednesday at 1PM ET
- [This call is being recorded and will be posted on https://inferno.healthit.gov/events/](https://inferno.healthit.gov/events/)

Content reflects Inferno's implementation of applicable Test Procedure
and does not necessarily reflect ONC policy.

Today's Agenda

- (g)(10) Standardized API Test Kit v5.4.0
- May 2024 HL7 FHIR Connectathon
- Discussions / Questions

ONC (g)(10) Standardized API Test Kit v5.4.0

- Test Update:
 - Changes that may result in new failure: 1
 - Changes that will not affect score of passing implementations: 2

(g)(10) Updates: Update FHIR Validator Version

- Incorporates version 1.0.52 of org.hl7.fhir.validator-wrapper
- Provides improved logging to help diagnose issues in deployed environment
- No changes to validation results of Inferno's reference data set, but changes to validation results is always possible after an update to the validator

(g)(10) Updates: Remove Practitioner Search tests in US Core 5+

(g)(10): US Core 4.0.0

- 5.31.01 Server returns correct Practitioner resource from Practitioner read interaction
- 5.31.02 Practitioner resources returned during previous tests conform to the US Core Practitioner Profile
- 5.31.03 All must support elements are provided in the Practitioner resources returned

(g)(10): US Core 6.1.0

- 10.41.01 Server returns correct Practitioner resource from Practitioner read interaction
- 10.41.04 Server returns valid results for Practitioner search by name
- 10.41.05 Server returns valid results for Practitioner search by identifier
- 10.41.02 Practitioner resources returned during previous tests conform to the US Core Practitioner Profile
- 10.41.03 All must support elements are provided in the Practitioner resources returned

- (g)(10) Test Kit v5.1.0 added Practitioner search in US Core 5+ tests based on CCG wording changes
- It appears this was not justified and tests were removed; Practitioner is not clearly in USCDI v3 and not in the patient compartment.

(g)(10) Updates: Multi-Patient API Must Support Issue

- US Core v6.1.0 Issue:
 - Systems that implement QuestionnaireResponse need to demonstrate support of all Must Support elements
 - Multi-Patient tests incorrectly did not register elements that are primitive extensions
 - Prevented systems that provided QuestionnaireResponse in Bulk Data tests from passing
- Issue has been fixed

May 2024 HL7 FHIR Connectathon

- Team will primarily participate in Da Vinci related tracks
 - Da Vinci Burden Reduction Track
 - Inferno PAS Test Kit
 - Inferno CRD Test Kit (preview, not yet public)
 - Inferno DTR Test Kit (preview, not yet public)
 - Da Vinci Payer Data Exchange
 - Inferno PDEX Plan Net Test Kit
 - Inferno PDEX US Drug Formulary Test Kit
 - Inferno PDEX Test Kit (preview, not yet public)
- Team will be available for discussion in other tracks that have Inferno Test Kits

Open Discussion / Feedback

Resources and Contact Information

- <https://inferno.healthit.gov/>
 - General materials & live demonstration server
- <https://inferno-framework.github.io>
 - Create your own Inferno Test Kits!
- <https://github.com/onc-healthit/onc-certification-g10-test-kit/>
 - ONC Certification tests repository, downloads, issues
 - “Watch” repository to receive alerts (new releases, etc)
 - Note: this repository is specific to ONC Certification testing
- inferno@groups.mitre.org (or rscanlon@mitre.org)
- FHIR Zulip Chat: <https://chat.fhir.org/#narrow/stream/179309-inferno>

Upcoming Meetings

- Next Inferno Tech Talk: **Wednesday June 12** at 1 PM ET
- Please reach out with questions & issues