

Cancer Electronic Pathology Reporting Track Kick-off

HL7 FHIR Connectathon 32

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Cancer Pathology

- HL7 Workgroup Sponsor: Orders & Observations Work Group
- Cancer Pathology
 - <https://jira.hl7.org/browse/PSS-1688>
 - <http://build.fhir.org/ig/HL7/cancer-reporting/>
- IHE SDC on FHIR
 - <https://jira.hl7.org/browse/PSS-1683>
 - <http://build.fhir.org/ig/HL7/ihe-sdc-ecc-on-fhir/>
- MedMorph Central Cancer Registry Reporting
 - <https://build.fhir.org/ig/HL7/fhir-central-cancer-registry-reporting-ig/index.html>
 - <https://build.fhir.org/ig/HL7/fhir-medmorph/>



Before the Connectathon

- Review the Connectathon 32 Confluence Page
 - <https://confluence.hl7.org/display/FHIR/2023-01+Cancer+Electronic+Pathology+Reporting>
or just Google FHIR Connectathon 32
- Fill out the survey
 - Go to the main Connectathon page and look for “Pre-Connectathon Survey” under Quick Links
- Set your goals
 - What do you want to accomplish?
 - Do you have a plan for getting there?
 - Do your goals align with the track description?
 - Does the track lead know your goals?



During the Connectathon

- Follow the group chat
 - <https://chat.fhir.org> (aka Zulip)
 - <https://chat.fhir.org/#narrow/stream/179207-connectathon-mgmt/topic/Connectathon.2027.20Cancer.20Pathology.20Exchange>
 - <https://chat.fhir.org/#narrow/stream/179234-Cancer-Interoperability>
 - Tips, scenario/track changes, etc.
- Be patient and flexible
 - Technical difficulties, changes to track materials, etc.
- Challenge FHIR itself
 - Push FHIR to its limits, find bugs, suggest changes, etc.
 - Especially important as we approach FHIR R5.



Agenda

Day 1: EHR Exchange & Registry Reporting	Day 2: Registry Reporting
Introductions: 9:00 am ET	Summary of Day 1: 9:00 am ET
IG Walkthrough	Testing Goals for Day 2
Relationship to IHE SDC on FHIR and MedMorph	EHR Bundle creation and send to an EHR FHIR sever
Testing Goals	Open Testing
Bundle Generation with Specimen collection, pathology result, and send data to EHR or central cancer registry - No PlanDefinition (retest with complex example)	Lunch Break: 12:00 – 1:00 pm ET
Lunch Break: 12:00 – 1:00 pm ET	Check-in: Ask questions, demo successes or failures
Check-in: Ask questions, demo successes or failures	Open Testing
Bundle Generation Testing - With PlanDefinition: Alignment with MedMorph	Create final report out to HL7 with successes, challenges, lessons learned, and next steps
Wrap up: 4:00 pm ET	Adjourn



Purpose & Exchange Scenarios

- This track aims to test the following:
 - Order of the collection of the specimen
 - Collection of the specimen itself (process and procedure)
 - Order of the path lab analysis.
 - A lab system produces the results of the analysis and sends it outbound to either an EHR or a central registry.
 - Using an automated report trigger mechanism using MedMorph Reference Architecture's PlanDefinition and Health Data Exchange App (HDEA)
 - Creating the bundle according to the Profile (without PlanDefinition or HDEA)



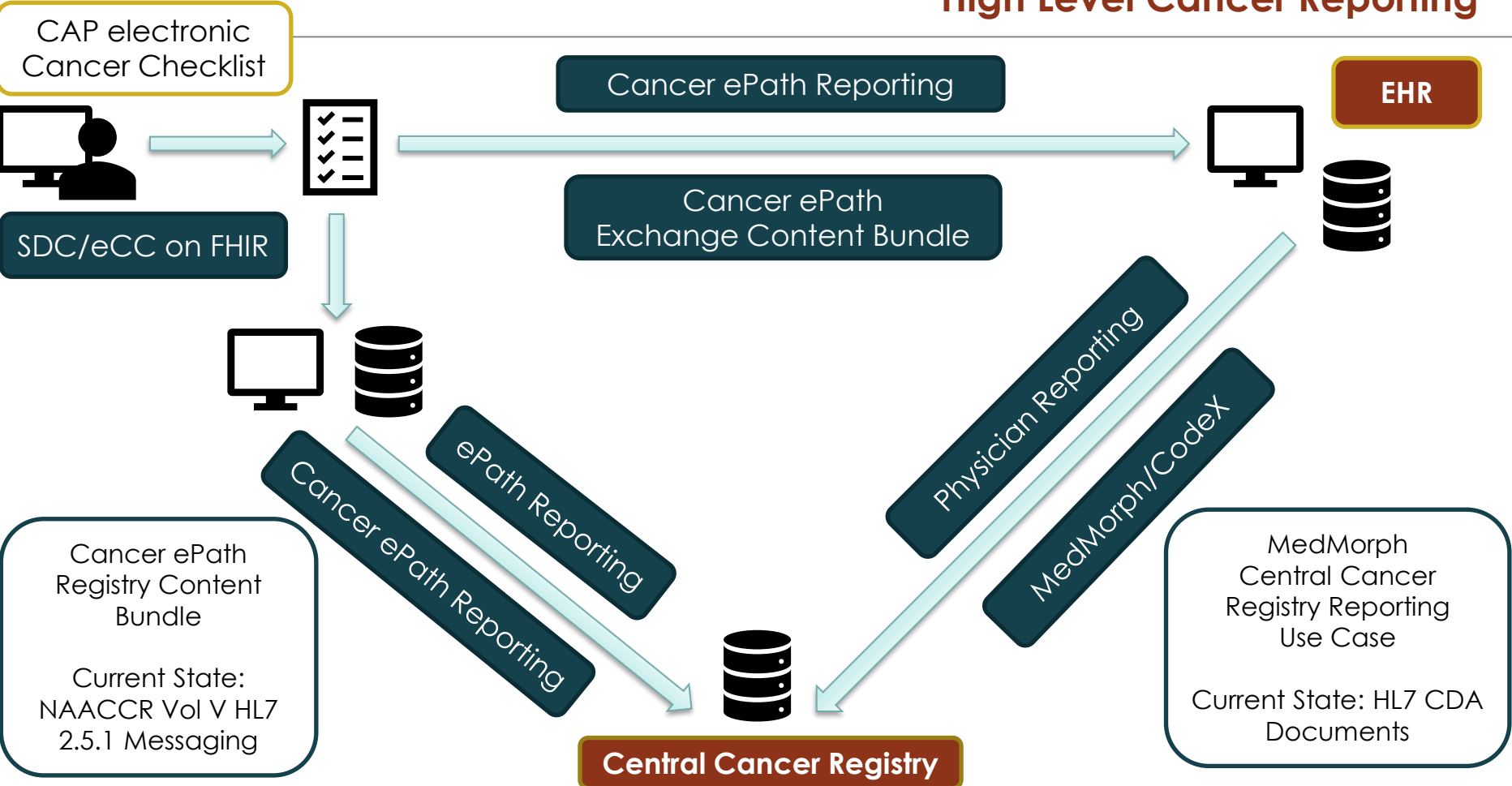
Test Cases

Test Case	Description
PlanDefinition Trigger Based reporting	Test a PlanDefinition containing trigger codes relevant to reportable pathology results and load this into an instance of eCR-Now application running in an environment receiving pathology results/reports.
Bundle Registry Reporting	Report using a Registry Reporting Bundle to a Cancer Registry actor
Exchange Bundle	Send a Transaction Bundle between 2 EHR/AP-LIS Actors
Order Specimen	Create a Specimen resource and POST/PUT it to a FHIR Server

More information: <http://conman.clinfhir.com/connectathon.html?event=con30>



High Level Cancer Reporting



Goals

- Our Goal: Understand the challenges to obtaining FHIR data from data sources related to cancer pathology
- Testing scenarios:
 - Further refining of previous testing scenarios using a more complex example of Specimen collection, resulting pathology data, and sending to EHR or central cancer registry
 - Re-test the use of a MedMorph HDEA to receive a trigger code (PlanDefinition), query an LIS, compile a pathology report via our Bundle, and send to EHR or central cancer registry
 - EHR to compile Bundle and send (POST) to a 3rd party EHR FHIR server.



Prep

- Review [Cancer Pathology Data Sharing IG](#)
- Review [IHE SDC on FHIR IG](#)
- Review [Central Cancer Registry Reporting IG](#)

- Connectathon Track Page: <https://confluence.hl7.org/display/FHIR/2022-05+Cancer+Electronic+Pathology+Reporting>
- Cancer ePath Overview: <https://confluence.hl7.org/display/OO/Cancer+ePathology+Reporting+Overview>
- Zulip Chat – Track: <https://chat.fhir.org/#narrow/stream/179207-connectathon-mgmt/topic/Connectathon.2027.20Cancer.20Pathology.20Exchange>
- May 2022 Connectathon: <https://chat.fhir.org/#narrow/stream/179220-cql/topic/May.202022.20Connectathon>
- ConMan - Testing Scenarios & Server: <http://conman.clinfhir.com/connectathon.html?event=con30>
- Lantana Server: <https://connectathon.lantanagroup.com/>



Questions?

- Questions?

See you on January 14 at 9:00 am in Henderson, Nevada!

Connectathon Session Main Page:

<https://confluence.hl7.org/display/FHIR/2023+-+01+Connectathon+32>

