Open@Epic CONFERENCE

Bulk FHIR

Lessons Learned

Presenter



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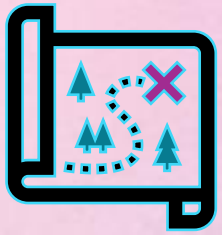
FHIR 101

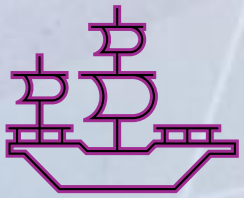
Once Upon a Time ...













Learning and Progress are in the Doing

"The Bulk FHIR Access API is new in 2023 and this exploratory work sought to test these early implementations to understand current state and then possibilities as implementations are iterated on over time."

"While testing came with its challenges, the learnings from this effort will allow continued, strong partnerships with certified health information technology vendors as key interested parties work to transform clinical and public health informatics. The experience of our collaborative network reinforces the Bulk FHIR API has as a transformative tool."

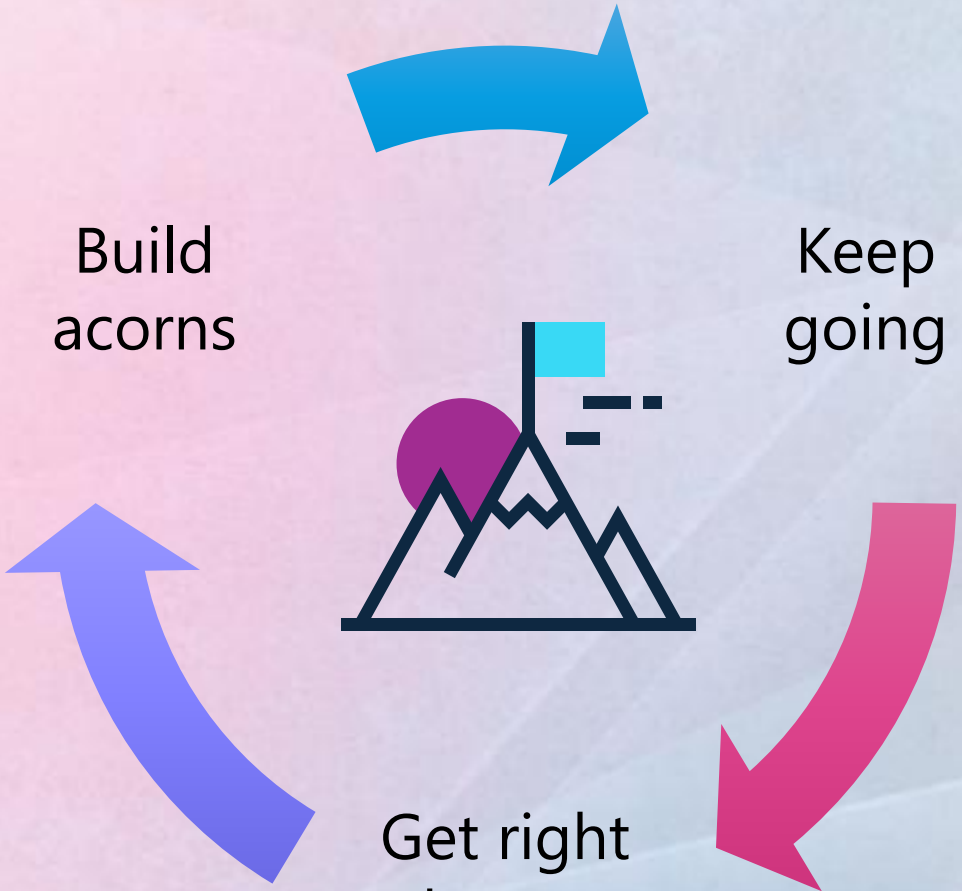
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An Ode to Integration Engineers

Continuing to work with Bulk FHIR

- Cumulus in healthcare
- Georgia Emerging Infections Program
- Population health workflows

New Tech Follows a Hero's Journey



Learning Objectives

1. Identify use cases well-suited for Bulk FHIR
2. Design Bulk FHIR workflows that meet the needs of healthcare leaders, analysts, security teams and technical interested parties
3. Demonstrate the value of Bulk FHIR for clinical, research, population health and public health workflows

Set the Stage

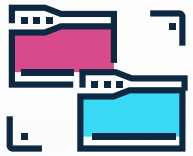
When might you want to export data across populations?



Asking population-based questions



Case ascertainment



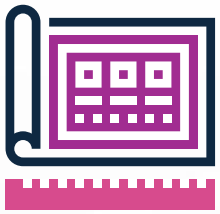
Sharing data with a partner organization

It's early days

80 out of ~500

Epic customers have used Bulk FHIR at least once in production
as of 8/11/2026

Your Two Responsibilities



Careful Solution Design

on the vendor side

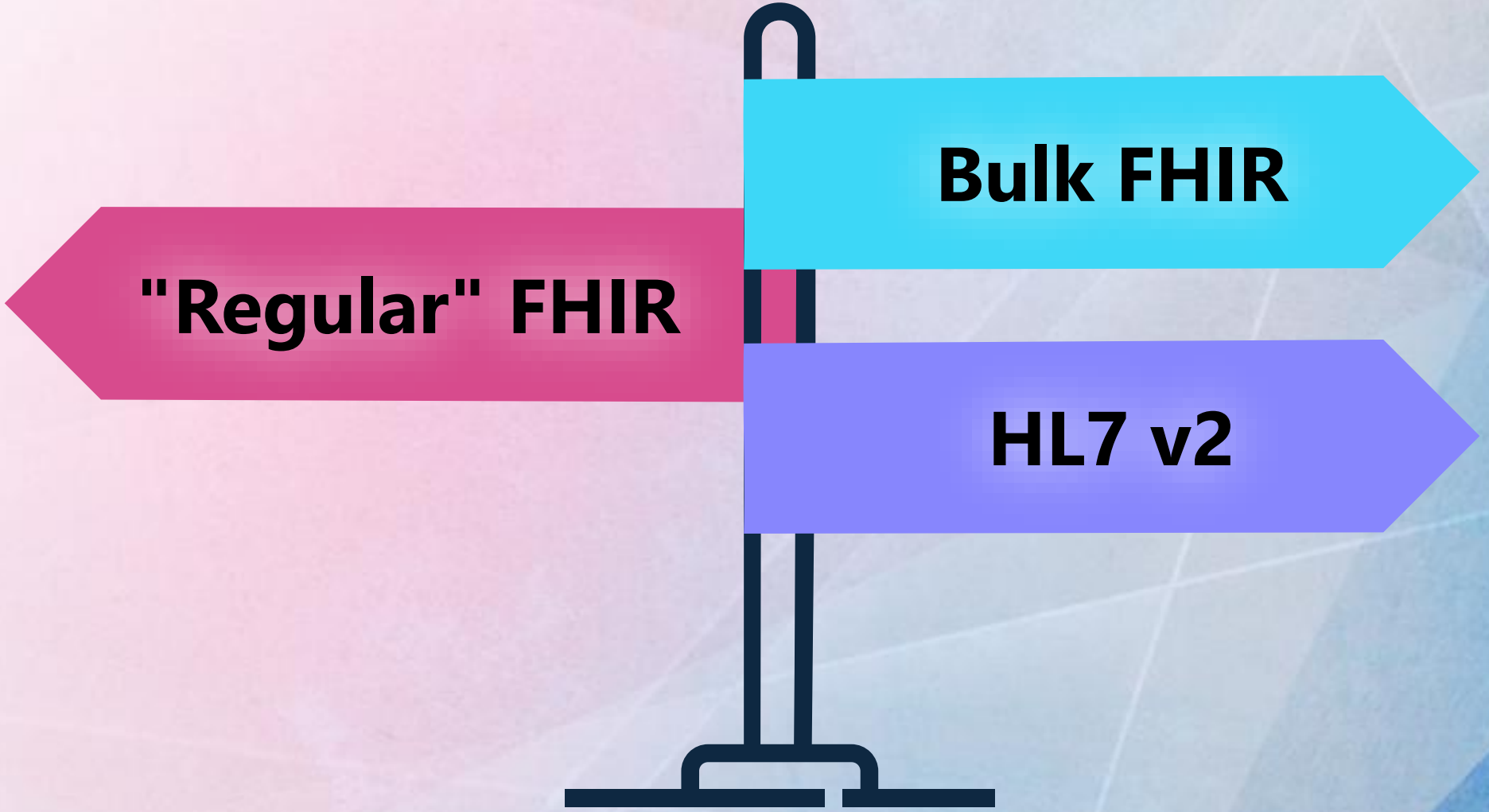


Support of Your Partners

to streamline implementation

What is Bulk FHIR?

Which Path Do You Choose



Use Cases

SURE

Case ascertainment, identifying cohorts, light-weight research, population health workflows

POSSIBLE

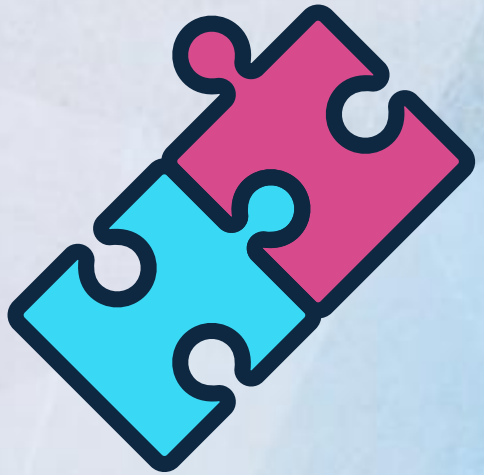
Digital quality measures, cohorts with patients with highly complex medical records

SUSPECT

Super small groups, vast groups where you are aiming to replace a data warehouse

To Get Started





HL7 Implementation Guide

https://build.fhir.org/ig/HL7/bulk-data/en/

Get Involved

with HL7's Standards Advancement Process

Design Strategies



Be efficient and nimble.



Be a good steward.



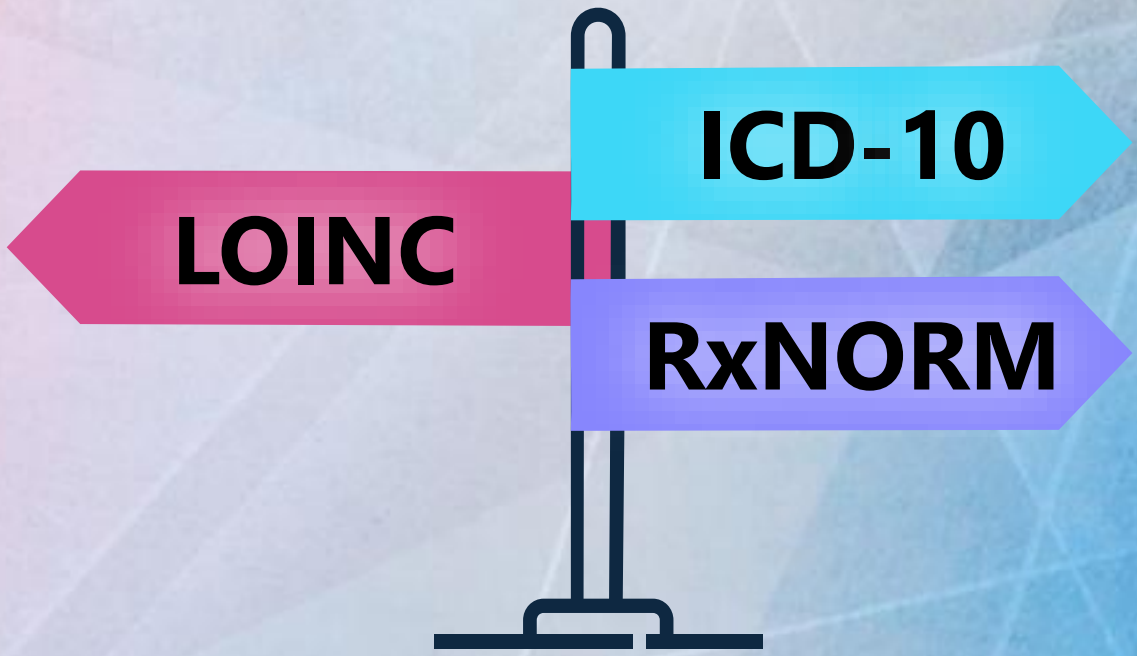
Be data responsible.

Implementation Know-How

Group Creation

Ask your customers early:

- Who manages group build at their organization?
- Who is responsible for FHIR-related build?



Check out the Value Set Authority Center - https://vsac.nlm.nih.gov/

Background User

Ask your customers early:

- Who manages the creation of a background user?
- Who assigns security to a user?
- How involved will Health Information Management need to be?

Testing

Help your customers by:

- Having documentation available of all test patient details you will need
- Develop a detailed end-to-end testing plan
- Ask what test scripts they already have

Scenario	<Process being tested>					
Step #	Step	Expected Outcome	Pass/Fail	Notes	Tester	Date
1						
2						
3						
4						
5						
6						

Identify good use case for Bulk FHIR

- Case ascertainment
- Identifying cohorts
- Light-weight research
- Population health workflows

Design Bulk FHIR solutions that are acceptable to healthcare leaders

- Minimum necessary
- Start with USCDI
- Be creative with _typeFilter, registry creation
- Be a data steward

Demonstrate the value of Bulk FHIR

- Secure, efficient population-based exports
- A great example of the power of interoperability

Upcoming Sessions

OEC21

FHIRstarting (Without Burning Anything Down)

Today, Oct 21

3:30-4:10 PM

Interested in developing a FHIR app? In this session, learn about FHIR's general capabilities, an overview of Epic's resource support, good use cases for FHIR, and tips & tricks for connecting through FHIR-based technologies.

OEC22

Bulking Up Your Data Extracts for Population and Analytics

Today, Oct 21

3:30-4:10 PM

Presenters take you through several paths for using Epic's robust analytics functionality in conjunction with your own solutions. Learn more about Bulk FHIR, Kit, and Clarity, as well as which technology might best meet your user's needs.

Q&A

Wrap Up

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