• Vulcan Accelerator

• Introductory Presentation

• Last Updated: August 13 2020
Contents

- Background
- FHIR Accelerator
- Organizational Structure
- Use Case Development
- Vulcan Status
• Thank you for your interest in joining Vulcan!

• This document provides an overview of the history and goals of Vulcan.
The growing digitalization in healthcare brings along modernized electronic health record standards such as HL7 FHIR.

Maturity in this space varies across the markets; however, the transition to a more digital environment is happening.

Several Accelerators exist already to spur development of digital solutions for healthcare:

- **Project Argonaut** (providers to providers)
- **Project DaVinci** (providers to payers)

**Experts Blazing the Path Forward for Research**

The September 2019 HL7 FHIR® Conference in Atlanta included a half-day forum drawing participation across government, academia and industry.

The goal of the forum was to help the research community align toward leveraging HL7 FHIR® for more effective acquisition, exchange and use of data for clinical research.
- Vulcan HL7 FHIR: Who Are We?
- Members of the Clinical and Translational Clinical Research Communities
• Convening Members of Vulcan

Amy Cramer
Steering Committee
Co-Chair

Anita Walden
Operations Committee
NCATS-CTSA Site

Boris Brodsky
Operations Committee
R&G

Chris Chute
Steering Committee
NCATS-CTSA Site

Christi Denney
Operations Committee
TransCelerate

Chuck Jaffe
Steering Committee
HL7

Clem McDonald
Steering Committee
NLM

Davera Gabriel
Operations Committee
NCATS-CTSA Site

Debi Willis
Steering Committee
HL7 Patient Advocate

Ed Hammond
Steering Committee
NCATS-CTSA Site

Jesper Kjaer
Operations Committee
Danish Medicines Agency

Jose Galvez
Steering Committee
FDA

Hugh Glover
Operations Committee
HL7 R&G

Karen Van Hentenryck
Steering Committee
HL7

Ken Gersing
Steering Committee
NCATS

Linda King
Steering Committee
SCDM

Mary Ann Slack
Steering Committee
FDA

Meredith Zozus
Steering Committee
NCATS-CTSA Site

Mika Ogasawara
Operations Committee
TransCelerate

Mike Buckley
Operations Committee
SCDM

Rakesh Maniar
Steering Committee
Co-Chair, TransCelerate

Rob Goodwin
Steering Committee
TransCelerate

Teresa Zayas Caban
Steering Committee
NLM

Viet Nguyen
Steering Committee
FHIR SME

Wayne Kubick
Operations Committee
HL7
• The Goals of Vulcan

1. Bridge Existing Gaps: Work to close gap between clinical care and clinical research to improve patient lives, decrease costs and improve efficiency

2. Strategically Connect Industry Collaborations: Coordinate strategy between stakeholders and leverage existing work within HL7 and other groups including FDA, Danish Medical Agency, NCATS, NLM, SCDM, TransCelerate, and global research sites

3. Maximize Collective Resources: Leverage shared community and resources to be able to communicate the return on investment and return on value that a unified network could realize to various parties, and provide comprehensive recommendations to global regulators

4. Deliver Integrated Tools and Solutions: Develop necessary FHIR Research Resources to maturity. Vulcan will handle identified and prioritized use cases for secondary use of EHR data that meet interested parties needs and goals
What is an HL7 Accelerator?

- HL7 Accelerator Program

- HL7 created the FHIR Accelerator Program to motivate and support market collaborations seeking to accelerate the availability of FHIR to tackle important interoperability needs.

- FHIR (Fast Healthcare Interoperability Resources) is an HL7 standard that enables secure exchange of healthcare information.

- Industry adoption of FHIR is advancing rapidly as witnessed not only by availability of FHIR in EHRs, but also in smart phone and platform company solutions.

About

- The Vulcan accelerator is focused on data mapping and standards for particular use cases that connect healthcare with clinical and translational research.

- It is a collaborative membership-based project group with defined membership operated under HL7.

- It is modeled after success of other accelerators (DaVinci, Argonaut, etc.), but it is also groundbreaking in many respects.

- Key organizations initiating this accelerator include FDA, NCATS, NLM, SCDM, TransCelerate, and academic research sites.
Vulcan Organizational Structure

Advisory Council
Thought leaders nominated by the Steering Committee who serves as a voice for their area of expertise and/or the health sector they represent and not their own organization.

Steering Committee
Set strategic direction; prioritize activities and approve use cases projects, make financial decisions. Founding members represented.

Operations Committee
Develop and recommend use case proposals, oversee operation and delivery of use case projects. All members represented.

Project Teams
Formed to carry out use case projects. All members have the opportunity to participate in the project teams they chose.
• **Vulcan Use Case Assessment Prioritization**

• The Operations Committee will identify and develop potential use cases, scoring them on several measures. The Steering Committee will identify prioritization to drive project initiation. The initial assessment resulted in many potential use cases with three primary areas identified.
• Vulcan Status

January 2020
First Vulcan Steering Committee meeting is held

February 2020
Vulcan Operations Committee begins work on developing potential use cases for Vulcan

May 2020
Preliminary voting on use case prioritization

July 2020
Legal documents (SOUs) signed by Steering Committee members

August 2020 and on...
Formal kick off and press release, onboarding of new members, finalization of project scoping statements, recruiting for project teams, and more!

September 2019
Invested parties meet at HL7 Plenary & WG Meeting to discuss the need for accelerating further development, refinement, and use of standards toward optimizing the design, conduct and reporting of clinical studies