



## OVERVIEW

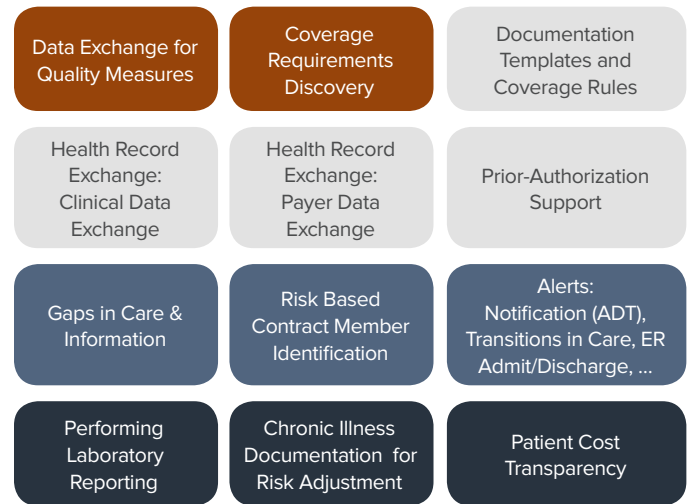
The Da Vinci Project's enables providers and payers to positively impact clinical quality, cost, and care management outcomes by demonstrating how HL7 © FHIR © can create scalable solutions to exchange critical data to fuel value-based care (VBC) models. Projects create Implementation Guides (IG) and Reference Implementations (RI) to power the industry to automate payer and provider collaboration.

Over 2018, the founding members of Da Vinci prioritized work on four initial use cases. With the combined power of program funded consultants and in-kind subject matter experts, the team brought real world inputs that shaped the design and content to create initial IGs and RIs for 30 Day Medication Reconciliation Post Discharge/Data Exchange for Quality Measures and Coverage Requirements Discovery through HL7 balloting process.

In 2019 members continue to commit time, knowledge and resources to support in flight use case development. Teams' focus is on efficient exchange of clinical data that is timely, appropriate and specific i.e., data available from a payer to inform provider about a new patient vs smaller data set required for a provider to attest to a quality measure during a routine workflow. Active use cases are transitioning into public meetings.

Da Vinci invites potential implementers to join the growing community around VBC to exercise IGs and RIs at Connectathons, provide feedback during public calls, or implement directly between trading partners. New 2019 use cases are selected, starting the next wave to define business and technical requirements to fuel IG development, build specific reference implementations, offer open sand box environments and test-focused development model to ensure requirements meet needs of larger community.

## 2019 USE CASE INVENTORY & STATUS



### PROJECT PROCESS

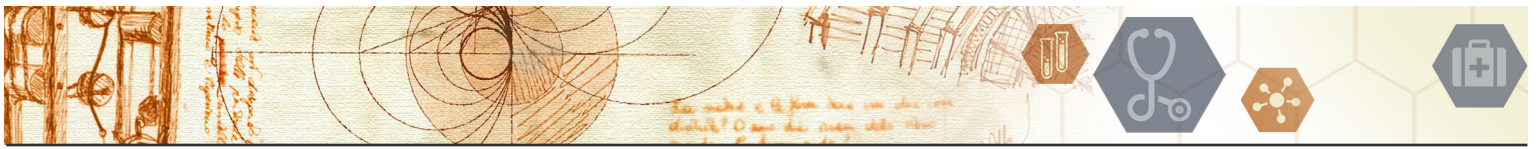
Define requirements (technical, business and testing)

- ➔ Create Implementation Guide
- ➔ Create and test Reference Implementation (prove the guide works)
- ➔ Pilot the solution
- ➔ Deploy the solution

- In HL7 ballot reconciliation as draft standard
- Under active development
- Planned 2019 Use Cases
- Future Use Case

## Where to Find Da Vinci at HIMSS19

Date/Time	Focus	Speakers	Room
Feb 12-14 9-5 daily	HIMSS Interoperability Vignette	Da Vinci members, Bob Dieterle point of contact	Interoperability Showcase Booth: 9100-49
Feb 12 1:30-2:30	Office Hours: Payers and Providers on FHIR®: Da Vinci Use Cases to Reduce Provider Burden: Office hours	Melanie Combs-Dyer, Director Provider Compliance Group, CMS Jocelyn Keegan, Da Vinci Program Manager, Point of Care Partners	CMS Booth: 701
Feb 13 9:30-10:30	Office Hours: Unlocking Quality Measures to Reduce Burden between Providers and Payers (Understand the New HL7® FHIR® Based Draft Standard "Data Exchange for Quality Measures Implementation Guide")	Viet Nguyen, MD	CMS Booth: 701
Feb 13 11:10-12:10	PANEL Da Vinci Project: Members Discuss Defining Payer/Provider Collaboration using HL7® FHIR®	Viet Nguyen, MD Da Vinci Technical Director, Stratametrics Jocelyn Keegan, Da Vinci Program Manager, Point of Care Partners Patrick Murta, Architect, Humana Mike Gould, Architect, Independence Blue Cross	HL7 Booth #4849
Feb 13 2:30-3:00	HIMSS Interoperability Showcase	Melanie Combs-Dyer, CMS FFS Dr. Tom Mason, ONC Dr. Steven Lane, Sutter Health Mike Funk, Humana	Hall F 9100  Interoperability Showcase   Theater
Feb 14 9:45-10:15	Da Vinci Project: FHIR® Driven Provider and Payer Data Exchange	Viet Nguyen, MD Jocelyn Keegan	HL7 Booth #4849
Feb 14 11-11:45	Da Vinci presentation	Jocelyn Keegan	Intersystems Booth #1559



# ARCHITECTURAL APPROACH

## 1. Adopt Standards

Adoption of existing and emerging standards with broad support to create viable solution for Da Vinci goals, particularly:

- FHIR® as the core
- NCQA® HEDIS®
- CDS Hooks®
- SMART on FHIR®—layering in OAuth security

Leverage the work of others:

- Support existing FHIR versions
- Adopt existing profiles where possible eg, Argonaut®, US-Core, QI-Core

## 2. Build Using the Best Tools

- Aegis® Touchstone for test environment
- HSPC® Sandbox environment to create and support reference implementations
- Lantana Trifolia® to create implementation guides

## 3. Design Frameworks

- Data Exchange for Quality Measures framework.
- Coverage Requirements Discovery
- Documentation Templates and Rules

## 4. Create Reproducible Processes

Collaborative use case discovery and development focused on payer/provider workflows and information requirements yielding:

- Quality, balloted implementation guides
- Reference implementations to support sandbox testing
- Test scripts and process
- Deliver balloted standards ready for testing and adoption

## 5. Build Using the Best People

Continue to use FHIR experts to design and build the standard implementation guide templates and processes.

### Get Involved!

Join Da Vinci to implement existing and emerging Implementation Guides

HL7 Connectathons:

- May: Montreal
- June: DevDays
- September: Atlanta

Follow our progress:

<https://confluence.hl7.org/display/DVP/Da+Vinci>

- Listserv sign up
- Track Progress
- Sign Up for Lists in HL7 workgroup calls give feedback on inflight use cases
- Use implementation guides and reference implementations

## MEMBERS



◆ Indicates a founding member of the Da Vinci Project.