

The image features a blue and green gradient background with abstract geometric patterns, including circles, lines, and the word "data" repeated in a faint, stylized font. A large, stylized white hash symbol (#) is positioned behind the text. The text "carequality" is written in a white, lowercase, sans-serif font, with a slight shadow effect.

carequality

Carequality Monthly Information Call

October 31, 2019

Agenda

- October in Review
- Update on Carequality Steering Committee & Carequality Advisory Council
- Carequality Connected Agreement Reminder
- Project Updates
 - FHIR Policy and Technical Workgroups
 - Push Notifications
 - Query-Based Document Exchange Enhancements
 - Image Exchange
- Production Operations Update
- Your Questions



October in Review

A Busy Month!

- We welcomed four new CCA signatories
- Preparations kicked into high gear for our Annual Meeting
- The Implementation Guide Updates workgroup nears completion
- Lots of hard work and progress on our other projects
- Significant growth in exchange volume

Update on Carequality Steering Committee & Carequality Advisory Council

Carequality Steering Committee Update

- Welcome to seven new Steering Committee Members who have seats through September 2021:
 - Steve Bounds, SSA
 - Dr. David Camitta, CommonSpirit Health
 - Kedar Ganta, athenahealth
 - Dr. Michael Hodgkins, AMA
 - Ryan Howells, CARIN Alliance
 - Leslie Kelly Hall, Engaging Patient Strategy/Lifewire
 - Rob Klootwyk, Epic

Carequality Advisory Council Update

- Thank you to all who applied for a seat on the Council!
- Applications will be reviewed by the Carequality Steering Committee and decisions will be communicated by early December

Carequality Connected Agreement

Carequality Connected Agreement Amendment

- The updated version 2.0 has now been adopted by the Steering Committee, and will go into effect on **Monday, November 4, 2019**

Project Updates

FHIR Workgroups Update

- In the Fall of 2018, the Carequality Steering Community gave its blessing for us to create another clinical transaction based ecosystem, much like the one that exists today for our Implementers around Query Based Document Exchange
- The difference being, we'd be leveraging a new & more flexible standard, known as FHIR
- This new HL7 standard will allow Implementers to transact using very similar message/document based architecture that they are accustomed to. But FHIR also allows for transactions to be at the data element level (such as medications or allergies, for example) by leveraging something known as a FHIR Resource
- In Nov of 2018, two workgroups were commissioned for this project:
 - Technical Workgroup: focused on creating an “implement once, connect universally” ecosystem
 - Policy Workgroup: focused on the “rules of the road” for the ecosystem
- A Draft Implementation Guide is being crafted by both workgroups that will be merged into one final document once the work is complete
- Progress for each workgroup are broken out on the next two slides

FHIR Technical Workgroup Update

- In 2019, we've had 2 successful Connectathons to date
 - For the 1st event (May), we had 80% of the participants write to the Carequality Directory
 - For the 2nd event (Sep), we successfully tested scalable ecosystem trust models for security and privacy, enabling cross-organization queries and reusable credentials. We also successfully tested dynamic client registration
- We'd like to host a 3rd event that coincides with our annual meeting @ The Gaylord National Harbor on Dec 4th. If you are interested in participating, please send an email to admin@Carequality.org
- As a next step, we'll be performing additional development of more specific Certificate and Dynamic Registration workflows into the Draft Implementation Guide, which can be found here:
 - <https://docs.google.com/document/d/1iOour1orfMpYS30L2AU2wajZRXl7p6YWLk5F61TcZ1M/edit>
 - Next week, the Technical WG is having a joint meeting with the Policy WG to go over two large issues that both groups are faced with: Patient Permissions and Granularity of Certificate issuance

Policy Workgroup Update

- The first 1st draft of Policy Implementation Guide Outline is available here:
 - <https://docs.google.com/document/d/1e-6sjXnze0kIndJ-ZRYQw0sY6LYa8KxIhPc1Ao71OpQ/edit>
- Our weekly meetings currently consist of working sessions whereby we are actively reviewing comments/feedback submitted by the group, and making any necessary updates to the document
- This will continue for approximately the next month
- After this, we will determine what the next steps are

Push Notifications Workgroups

- One of the major topics for the Workgroups, especially the Technical WG, has been evaluating transaction standards
- After consideration of a number of options, the WG determined that operationalizing specs from The Argonaut Project would be our best option
 - The Technical Work Group has spent a significant amount of it's time to-date discussing high-level technical goals for a Push Notification architecture that meets the goals outlined in the Use Case Proposal.
 - Most existing frameworks such as DIRECT or certain HL7v2-based solutions were either outmoded, missing key functional requirements, or not widely supported enough to warrant pursuing. Of the approaches assessed, the Argonaut and DaVinci draft implementations were two of the most influential industry groups available.
 - The Argonaut implementation of FHIR Push Notifications was the most compatible with our needs because it includes concepts surrounding a Subscription which is not currently modeled in the DaVinci approach.
 - Changes are inevitable given the state of development, however, we feel that these changes will be less burdensome than if we adopted an existing technology with the intent to migrate to a completely new technology at a later date, or if we developed our own FHIR-based approach.

Push Notifications Workgroups

- Current discussion topics
 - Technical Workgroup
 - Considering how we will adopt and adapt the work of Argonaut
 - Initiating collaboration with the Argonaut team
 - Policy Workgroup
 - Draft IG
 - Collaborative work on a rough draft Push Notifications Implementation Guide continues
 - The group has considered the roles of various actors within Push and how they relate to the greater Carequality ecosystem

Query-Based Document Exchange Enhancements

- A draft redline of the Query-Based Document Exchange IG is under final review by the workgroup
- We anticipate that a draft should be ready for the Advisory Council at their next meeting
- The core areas of focus were to create or update:
 - An operational approach for verifying compliance with any document content requirements
 - A method to process any accusations of noncompliance from other Implementers, including communications processes to provide awareness of the situation for affected organizations
 - Updates to the Query-Based Document Exchange Implementation Guide based on the recommendations of the Advancing Patient Queries Working Group
 - Additional policy specifications around patient queries that will facilitate adoption
- Additionally, we were authorized to examine:
 - Evaluation of the current required reporting measures to determine if any changes should be made in the form of policy updates
 - Policy updates in support of Operations, Coverage, and potentially Payment queries.

Summary of Key Updates

- **Document Content:** We are proposing requirements for content, starting with technical capabilities and their availability to providers
- **Reporting Measures:** We propose refining the metrics collected from Implementers, and ongoing connectivity validation processes
- **Non-Treatment Permitted Purposes:** We are proposing requirements on Implementers – NOT each individual Carequality Connection – to support the Patient Request, Payment, and Operations permitted purposes
- **Patient Requests:** We are proposing additional requirements on query initiating systems supporting the Patient Request permitted purpose, including identity proofing and adherence to the CARIN Code of Conduct

Image Exchange

- Work continues, in conjunction with RSNA, on developing an image exchange supplement to the Query-Based Doc Exchange IG
- Image exchange under Carequality governance will rely heavily on the policies and technical infrastructure that already exists for document exchange, with some new technical transactions specific to imaging
- We are moving into a new phase of the project, recruiting organizations who are willing to sign the CCA and work with us to finalize the requirements
 - Early adopters will be given discounted initial Implementer fees
- If you are interested in learning more, please contact imaging@carequality.org

Production Operations Update

Live Implementers & Their Clients



October Highlights

- Welcome to four new CCA signees!
 - Allscripts
 - Central PA Connect HIE
 - iPatientCare
 - Manifest MedEx
- The Carequality community exchanged over 80 million patient documents in September 2019

Your Questions

Thank You!