The Sequoia Project on a Mission:
Making Nationwide Health Data Sharing a Reality

Mariann Yeager, CEO

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Care Connectivity Consortium

The Sequoia Project's Role

The Sequoia Project is a trusted, independent convener of industry and government.

We work to address the challenges of secure, interoperable nationwide health data sharing.

SECURE

INTEROPERABLE

NATIONWIDE

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The Sequoia Project Initiatives

The Sequoia Project's independent initiatives each have their own:

- **Mission**
- **Governance**
- **Membership**
- **Structure**

The Sequoia Project is an ideal home for projects that require a collaborative environment where multiple parties with differing perspectives can work together.

Current Sequoia Project Initiatives

The **eHealth Exchange** is the largest health data sharing network in the US

Carequality facilitates consensus on a standardized, national-level interoperability framework to link all data sharing networks

RSNA Image Share Validation Program is an interoperability testing program to enable seamless sharing of medical images

eHealth Exchange Celebrates 7 Years!

In 2016, the eHealth Exchange connects:

All 50 states

Four federal agencies
(DoD, VA, CMS, SSA)

Almost 50% of U.S. hospitals

26,000 medical groups

3,400+ dialysis centers

8,300 pharmacies

Supporting more than 100 million patients

35 regional and state HIEs in production; 20 onboarding

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Carequality Connects Data Sharing Networks
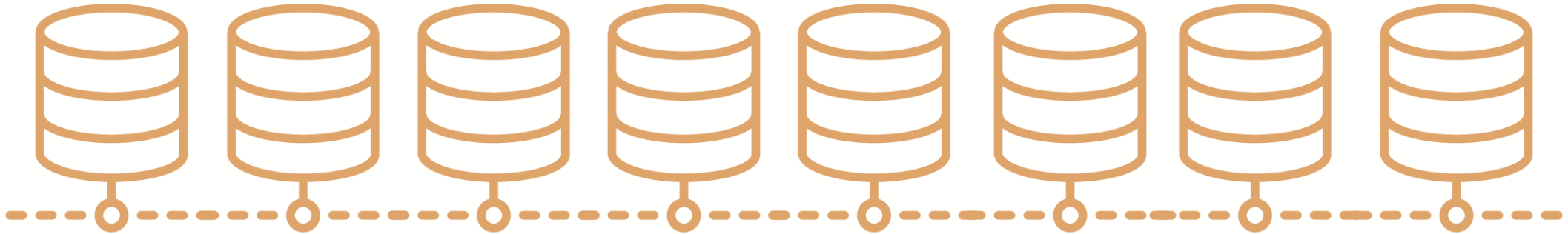
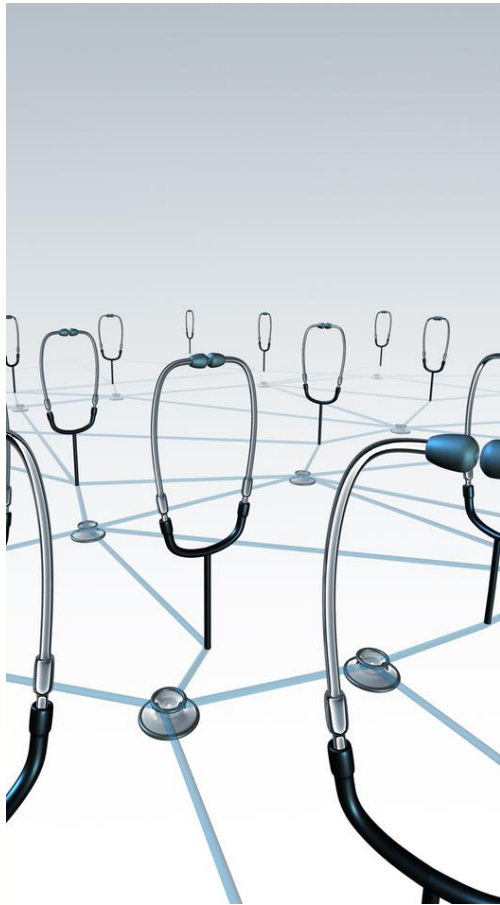**What is a data sharing network?**
Any organization that can bring significant sources of data to the table

- HIEs and other traditional networks
- EHR vendors
- Payers

- PHRs and other consumer-facing applications
- Lab networks
- Undoubtedly others

Current Implementers Adopting the Carequality Framework

Carequality Implementer Coverage

- ✓ Over 300,000 Physicians

- ✓ Over 1,800 Hospitals

- ✓ Over 40,000 Clinics

- ✓ More than 15 million patient records shared per month

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What's Next?

Carequality Directory:
Overcoming the industry-wide challenge of maintaining an accurate provider directory

Patient Authorization:
Patients are consumers that deserve to be in control of their healthcare information
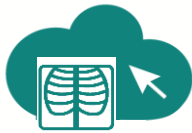
Imaging Content:
Supporting medical image sharing to patients and providers

Event Notification:
Providers need to be alerted when their patients are treated elsewhere *(phase 1)*

RSNA Image Share Validation

What is a Validation Program?

- Tests compliance of vendor systems
- Builds on successful RSNA Image Share program
- Encourages adoption of image sharing capabilities
- Standards-based interoperability spurs innovation

Benefits for Patient & Providers

- Improves patient – provider communication
- Engages patients in their care
- Improves efficiency
- Reduces costs
- Enhances quality of care

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Our Journey Towards an Interconnected Health IT Eco-System

Successes To-Date

- Growing pockets of interoperability
- Enhanced care coordination is saving lives and money
- Accountable care and customer demand will fuel data sharing

Challenges We're Tackling in 2016

- Still striving for a nationwide exchange
- Exchanges need to get faster
- Need to improve format and usefulness of data
- Difficulties in patient identity matching and accuracy

2016 Sequoia Priorities

Patient Matching

Specificity & Testing of CCD

Provider Directory

Consumer Access to Health Information

Improving Patient Identity Management

A Framework for Cross-Organizational Patient Identity Management

- Intermountain / CCC case study
- Patient matching maturity model
- Minimal acceptable patient matching practices

Program Timeline

November 2015
Draft Framework released
for public comment

February 2016
Call for Patient Identity
Management Workgroup

Q3 2016
Publication of Final Framework
for General Adoption

January 2016
Public comment period ends

March 2016
Collaborative, Public Comment
Disposition Period Begins

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Interoperability Testing to Improve Clinical Document Exchange

Content Testing Pilot

Goal: To improve implementation of health data sharing through more rigorous testing and guidance at the content level

Strategy:

- Build upon the C-CDA content requirements

- Leverage experiences from 7 years of production

- Add additional content requirements from the Transitions of Care Implementation guidance published by HL7®.

- Define the Continuity of Care Document (CCD)

- Detail testing methodology and scenarios to be required

eHealth Exchange supports the content requirements and specifications defined within the 2014 Edition Meaningful Use program

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Developing a National Provider Directory

Collaboration Key to Success

- A joint-effort with HL7 Argonaut Project to develop and maintain FHIR-based provider directory
- Intended to be interoperable with IHE HPD directories

A FHIR Pilot

- Content interoperability
- Security requirements
- Technical requirements
- Testing

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Consumer Access to Their Health Information

- Personal Heath Records (PHR)
- PHR systems capture health data entered by individuals and provide information related to the care of those individuals

- eHealth Exchange's PHR Pilot
- Breakthrough use of the eHealth Exchange for individual consumers
- PHR use case
- Policy requirements
- Technical requirements
- Functional requirements

Questions & Discussion