2019
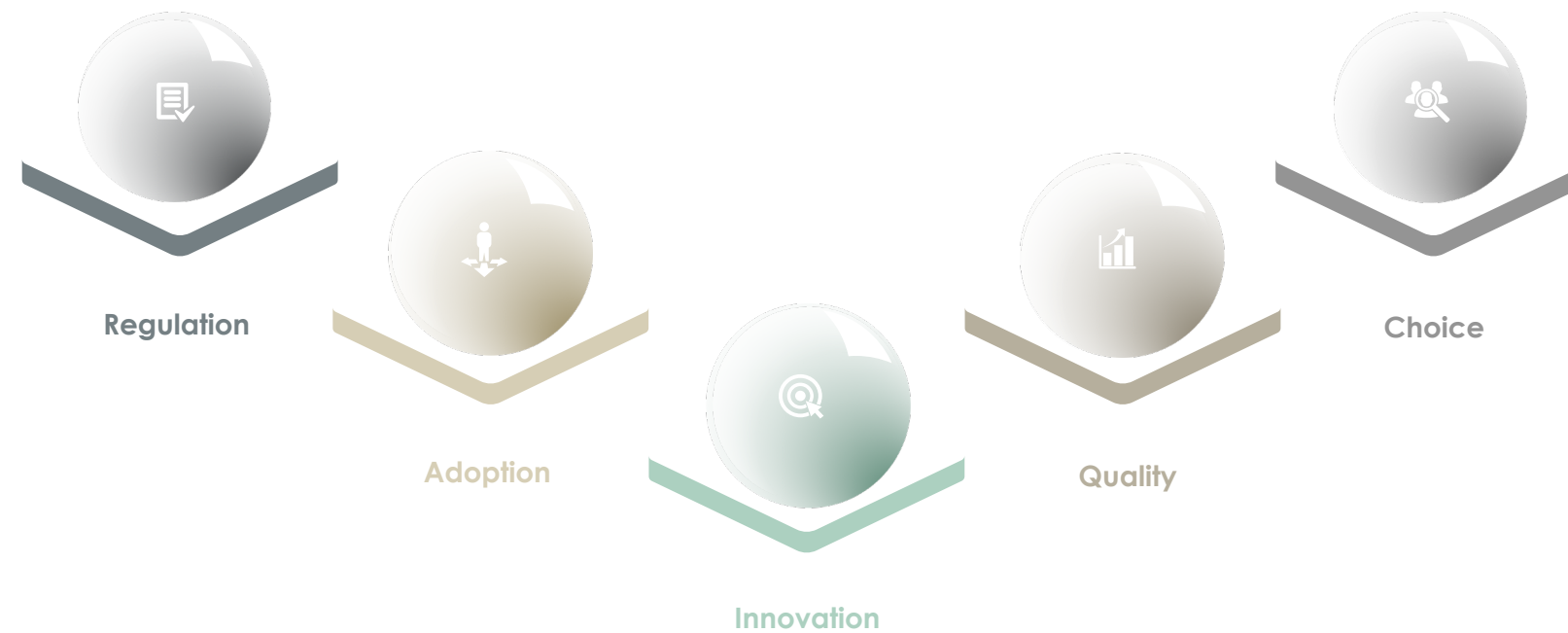# ANNUAL MEETING

December 5 | Gaylord National Harbor, MD

Jay Nakashima

eHealth Exchange™

Industry Perspective

Regulation

Adoption

Innovation

Quality

Choice

We're different

eHealth Exchange™

Incubated by the U.S. Department of Health and Human Services as an ONC initiative in 2006

Diverse Use Cases

The longest-standing nationwide network supporting diverse use cases

Vendor Agnostic

The only vendor-independent nationwide network

The eHealth Exchange is a non-profit Health Information Network (HIN) dedicated to the public good

Federal Connectivity

The only network enabling providers & regional networks direct exchange with federal agencies
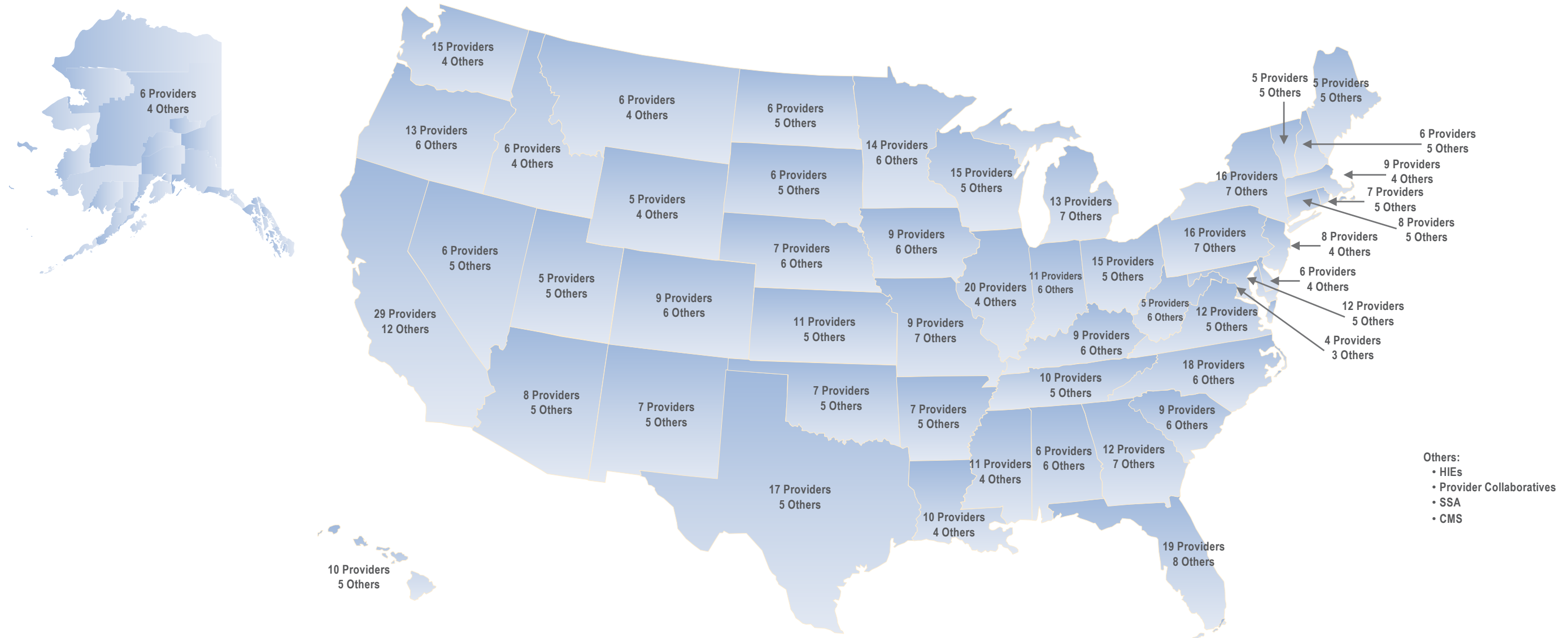
Out of Network Exchange

Provides exchange not only among eHealth Exchange Participants, but also with Carequality*-enabled networks

February* connectivity with **car**equality -enabled HINs

Growth

eHealth Exchange™

Active Participants/Contracts

Year	Value
2013	41
2014	81
2015	112
2016	134
2017	186
2018	249
2019	272

272 Active Participants

eHealth Exchange™

15 Providers
4 Others

6 Providers
4 Others

13 Providers
6 Others

6 Providers
4 Others

6 Providers
4 Others

6 Providers
5 Others

14 Providers
6 Others

15 Providers
5 Others

13 Providers
7 Others

5 Providers
5 Others

5 Providers
5 Others

6 Providers
5 Others

5 Providers
4 Others

6 Providers
5 Others

9 Providers
6 Others

16 Providers
7 Others

6 Providers
5 Others

9 Providers
4 Others

6 Providers
5 Others

5 Providers
4 Others

9 Providers
6 Others

7 Providers
6 Others

15 Providers
5 Others

11 Providers
6 Others

16 Providers
7 Others

7 Providers
5 Others

8 Providers
5 Others

29 Providers
12 Others

5 Providers
5 Others

9 Providers
6 Others

11 Providers
5 Others

9 Providers
7 Others

20 Providers
4 Others

5 Providers
6 Others

12 Providers
5 Others

8 Providers
4 Others

6 Providers
4 Others

12 Providers
5 Others

4 Providers
3 Others

8 Providers
5 Others

7 Providers
5 Others

7 Providers
5 Others

7 Providers
5 Others

9 Providers
6 Others

10 Providers
5 Others

18 Providers
6 Others

9 Providers
6 Others

17 Providers
5 Others

11 Providers
4 Others

6 Providers
6 Others

12 Providers
7 Others

10 Providers
4 Others

19 Providers
8 Others

10 Providers
5 Others

Others:
• HIEs
• Provider Collaboratives
• SSA
• CMS

62 State & Regional HIEs

eHealth Exchange

healtheConnect Alaska

Reliance eHealth

InterCommunity Health Network

North Dakota HIN

Koble

South Country Health Alliance

Wisconsin State HIN

Great Lakes Health Connect

HealthInfo Net

VITL

Western NY HealtheLink

HealtheConnections RHIO

HealthIX

Rhode Island Quality Institute

Manifest MedEx

SacValley MedShare

HealthHIE Nevada

SD HealthLink

Iowa HIN

MiHIN

Santa Cruz HIO

Utah HIN

Nebraska HIE

Health Ventures of Central Iowa

Michiana HIN

Clinisync

ClinicalConnect HIE

Keystone HIE

HealthShare Exchange

Quality Health Network

Colorado Regional Health Info

Kansas HIN

Tiger Institute

Indiana HIN

Kentucky HIE

West Virginia HIN

MedVirginia

CRISP

Connect Virginia

San Diego Health Connect

Health Current

New Mexico HIE

Missouri Health Connection

LACIE

East Tennessee HIN

NCHealth Connex

AR SHARE

SC HIE

Coastal Connect HIE

PHIX

Alabama's One Health Record

Patient Bridge

My Medical Neighborhood

Georgia HIN

GRACIE

Hawai'i HIE

Strategic Health Alliance

Guardian Health Services

Florida HIE

Sample 2019 Accomplishments

eHealth Exchange™

DURSA Amended

Governance

The Coordinating Committee and Participants amended the DURSA for:
- Network to network connectivity
- Expanded Permitted Purposes
- Different Adverse Security Event notification timeframe for exchange with non-Federal Partners

3 New Policies & Procedures

Governance

The Coordinating Committee and Participants approved and later amended new OPPs & Validation Plan to:
- Safeguard Controlled Unclassified Information (CUI)
- Govern Carequality exchange
- Reset content quality requirements

Specifications

Community Engagement

Task Groups:
- NIST 800-171 (Adopted as new spec)
- Broadcast Queries
- Hub Implementation Guide
- CUI Marking in CDAs

Expanded Connectivity

Hub Implementation & New Participants

- Created eHx FHIR directory
- Implemented Hub
- Created exchange transparency via Hub Dashboard
- Dramatically expanded connectivity with network
- Electronic Care Reporting use case

Carequality Pilot

Network to Network Exchange

- Hub with Athena network
- Hub with CommonWell network
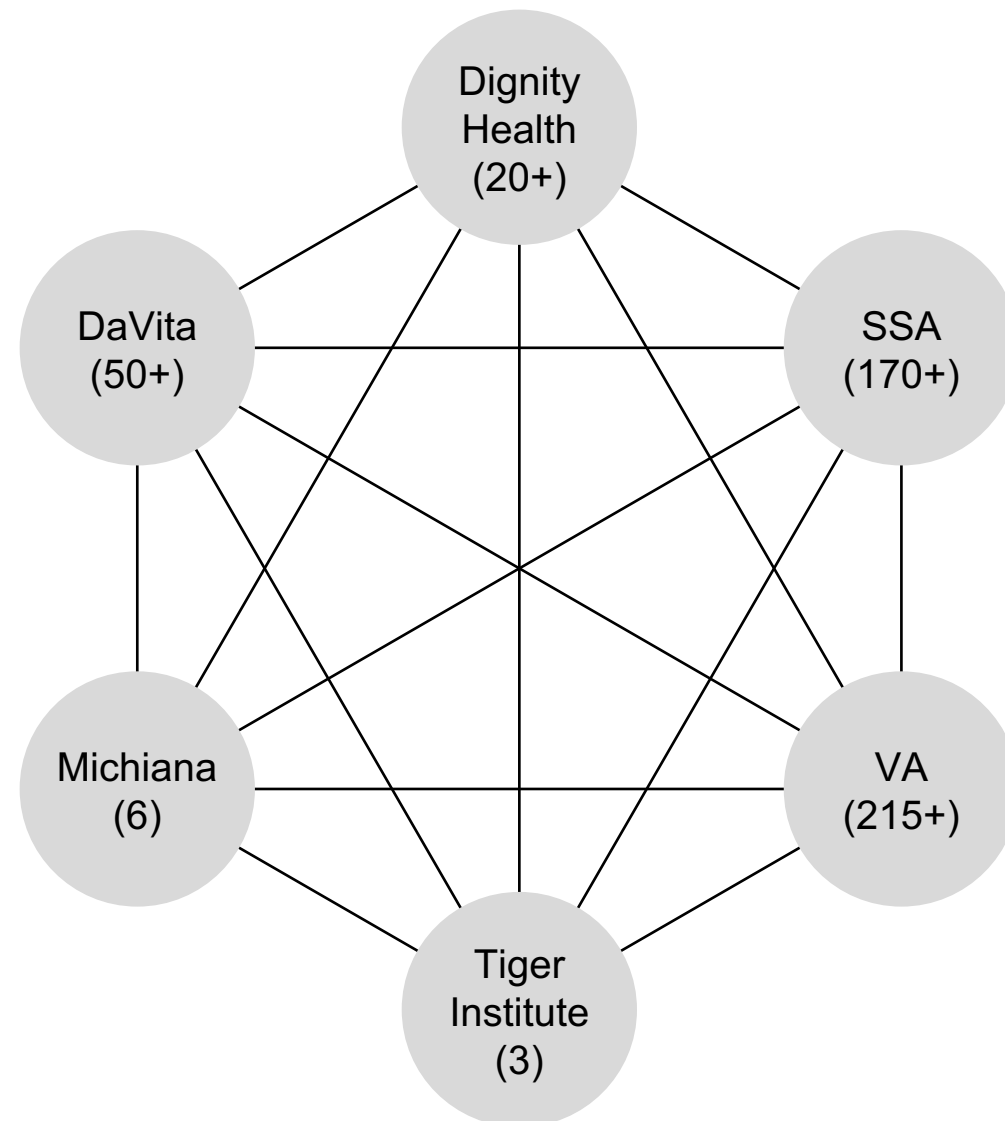- SSA with Epic CareEverywhere network

Content Quality Validation

All Participants' Content Evaluated

- All 272 active Participants tested content quality
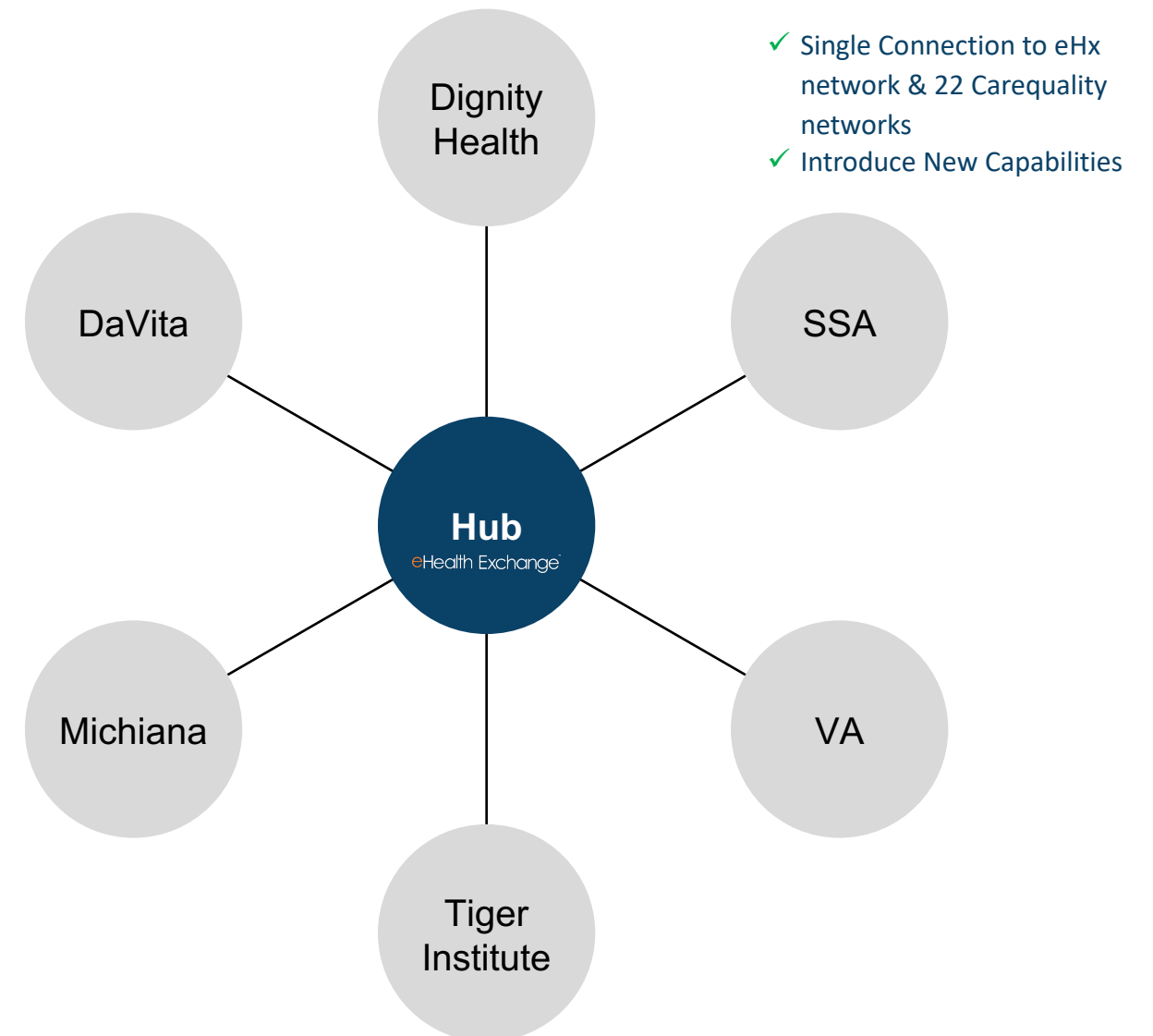- All errors must be remediated by 4/30/2021 (sooner requested)

Amended Participation Agreement
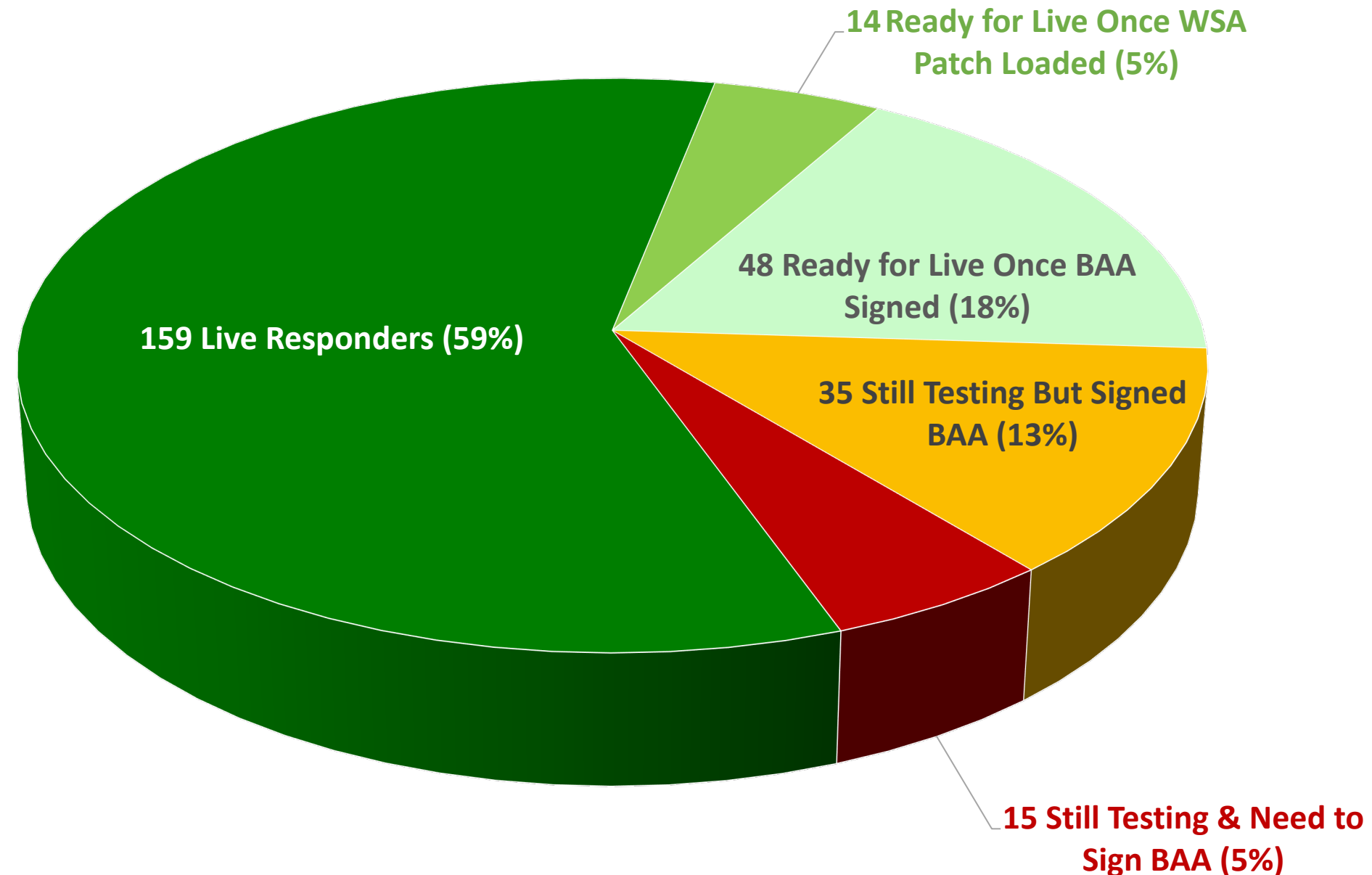
Hub Implementation

Previous Connectivity Approach

Hub Connectivity Approach

✓ Single Connection to eHx network & 22 Carequality networks
✓ Introduce New Capabilities

Hub Implementation
82% Responding to Hub or Technically Ready

14 **Ready for Live Once WSA Patch Loaded (5%)**

48 Ready for Live Once BAA Signed (18%)

159 Live Responders (59%)

35 Still Testing But Signed BAA (13%)

15 Still Testing & Need to Sign BAA (5%)

What's Next?

- Facilitate electronic exchange of patients' medical information

- Improve the speed, quality, safety, and cost of patient care

- Inform clinical decisions **when seconds and minutes matter**
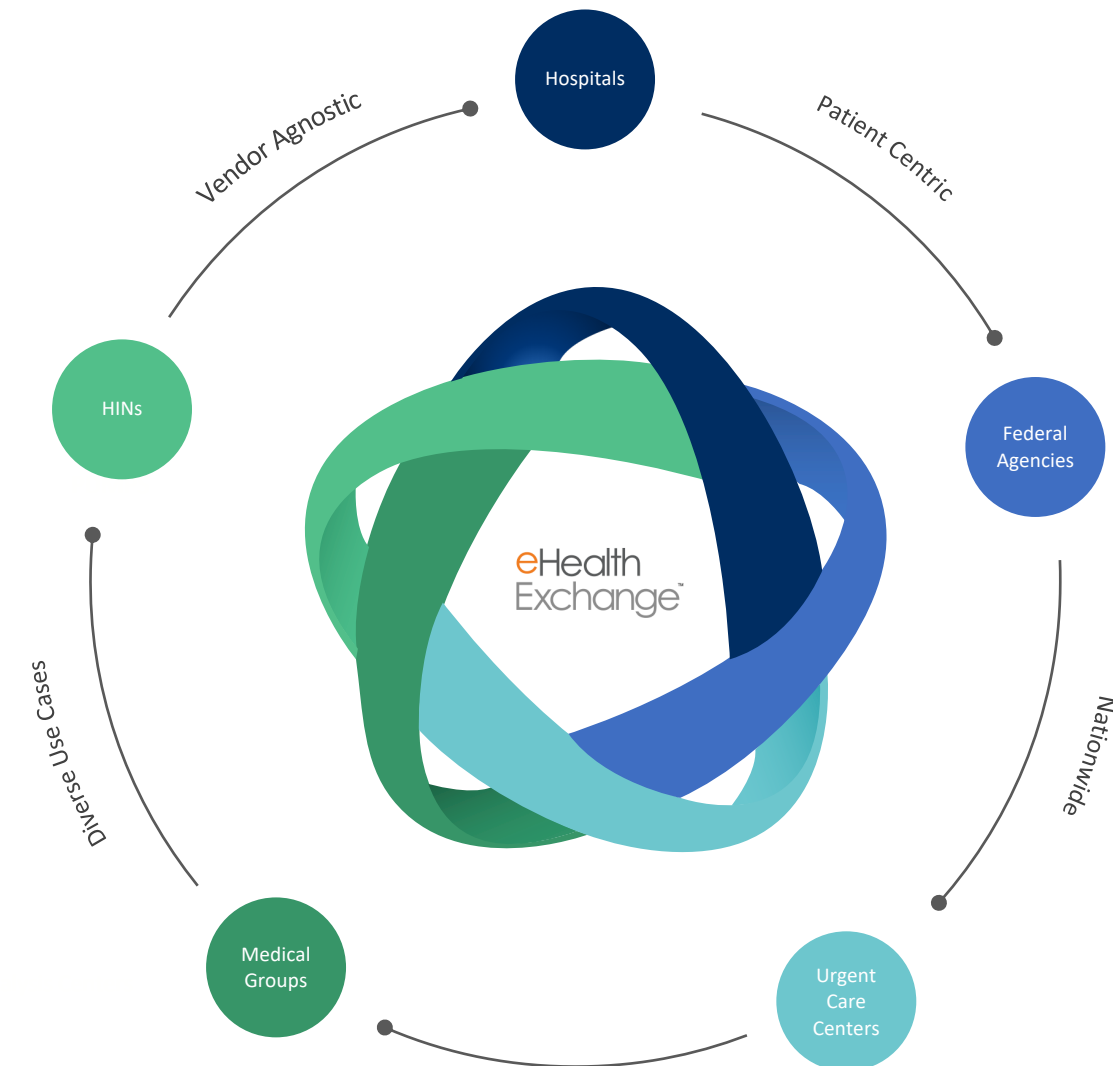
Key Issues to Solve

eHealth Exchange™

Opportunities

Complexity & Expense
Broad connectivity must be cheaper and easier

Centralization

Purposes of Use

Reach
Participants need access to additional networks

Network to Network Exchange

State PDMP Repositories

Electronic Case Reporting (eCR)

Timeliness
- Need to coordinate care sooner
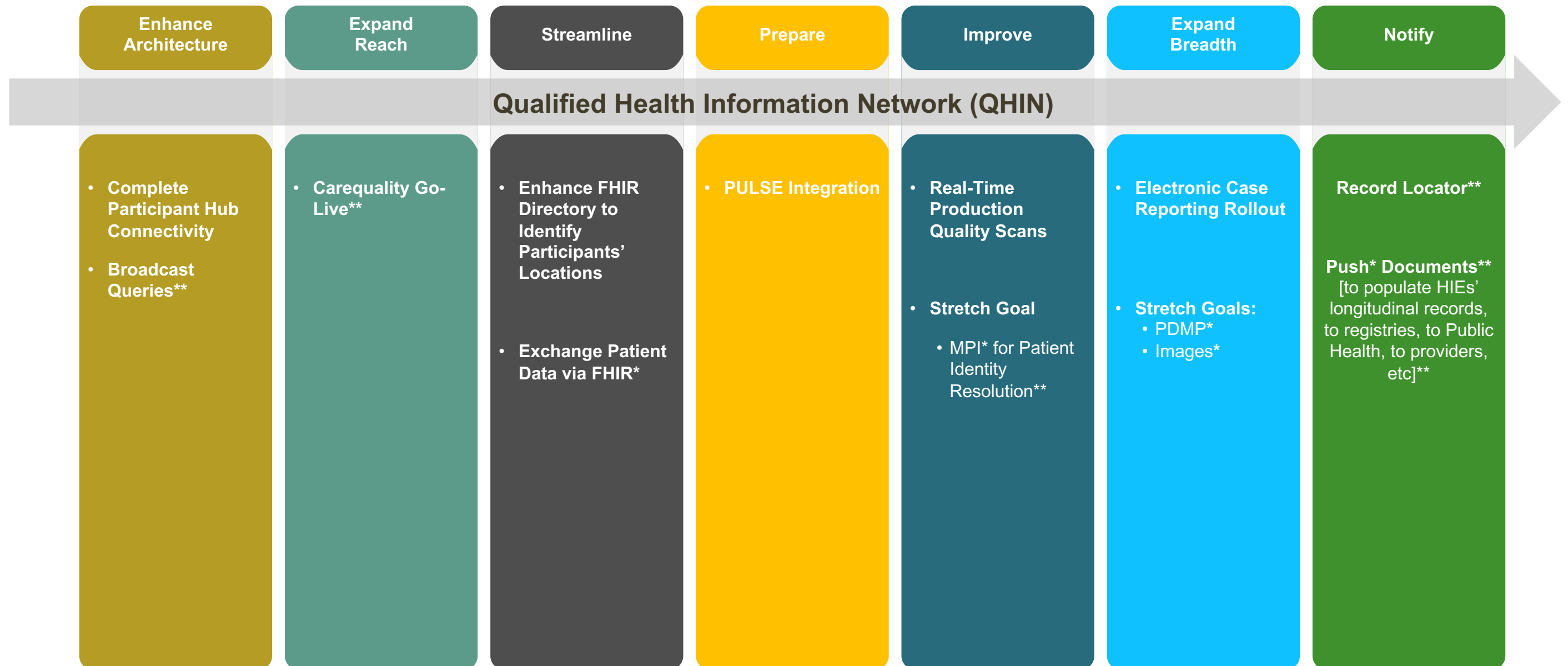- Must complement reactive searches

Push CDAs & Discrete Data

Where to Search (RLS)

PULSE

Content
- Discrete - Participants often need to focus specifically on medications, lab results, etc
- Quality – Data must be consumable by EHRs and other solutions

FHIR

Content Quality

Roadmap

eHealth Exchange™

Qualified Health Information Network (QHIN)

Enhance Architecture	Expand Reach	Streamline	Prepare	Improve	Expand Breadth	Notify

• Complete Participant Hub Connectivity
 	
• Broadcast Queries**
	• Carequality Go-Live**	• Enhance FHIR Directory to Identify Participants' Locations
		
		• Exchange Patient Data via FHIR*
			• PULSE Integration	• Real-Time Production Quality Scans
				
				• Stretch Goal
				  • MPI* for Patient Identity Resolution**
					• Electronic Case Reporting Rollout
					
					• Stretch Goals:
					  • PDMP*
					  • Images*
						Record Locator**
						
						Push* Documents** [to populate HIEs' longitudinal records, to registries, to Public Health, to providers, etc]**

*Dependent upon Participants volunteering to serve as early adopters
**Draft QHIN Requirement

eHealth Exchange™

Thank you!