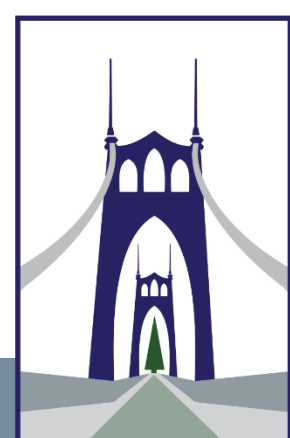




# Oklahoma's 10-Year Roadmap for Connected Health

Summary presentation of DRAFT 10-Year Roadmap  
for the purpose of soliciting stakeholder feedback

August 30, 2018



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Oklahoma's Ten-Year Roadmap for Connected Health

# Introductions and Opening Comments

Bo Reese

State CIO and State HIT Coordinator  
Office of Management and Enterprise Services



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# Purpose of the Roadmap

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The Roadmap has been developed for the State of Oklahoma, directed to the people who receive, provide, and pay for healthcare services, and those organizations that measure and strive to improve the healthcare delivery system of Oklahoma

# Summary of Environmental Scan Findings

Jason Goldwater, Senior Director  
CedarBridge Group



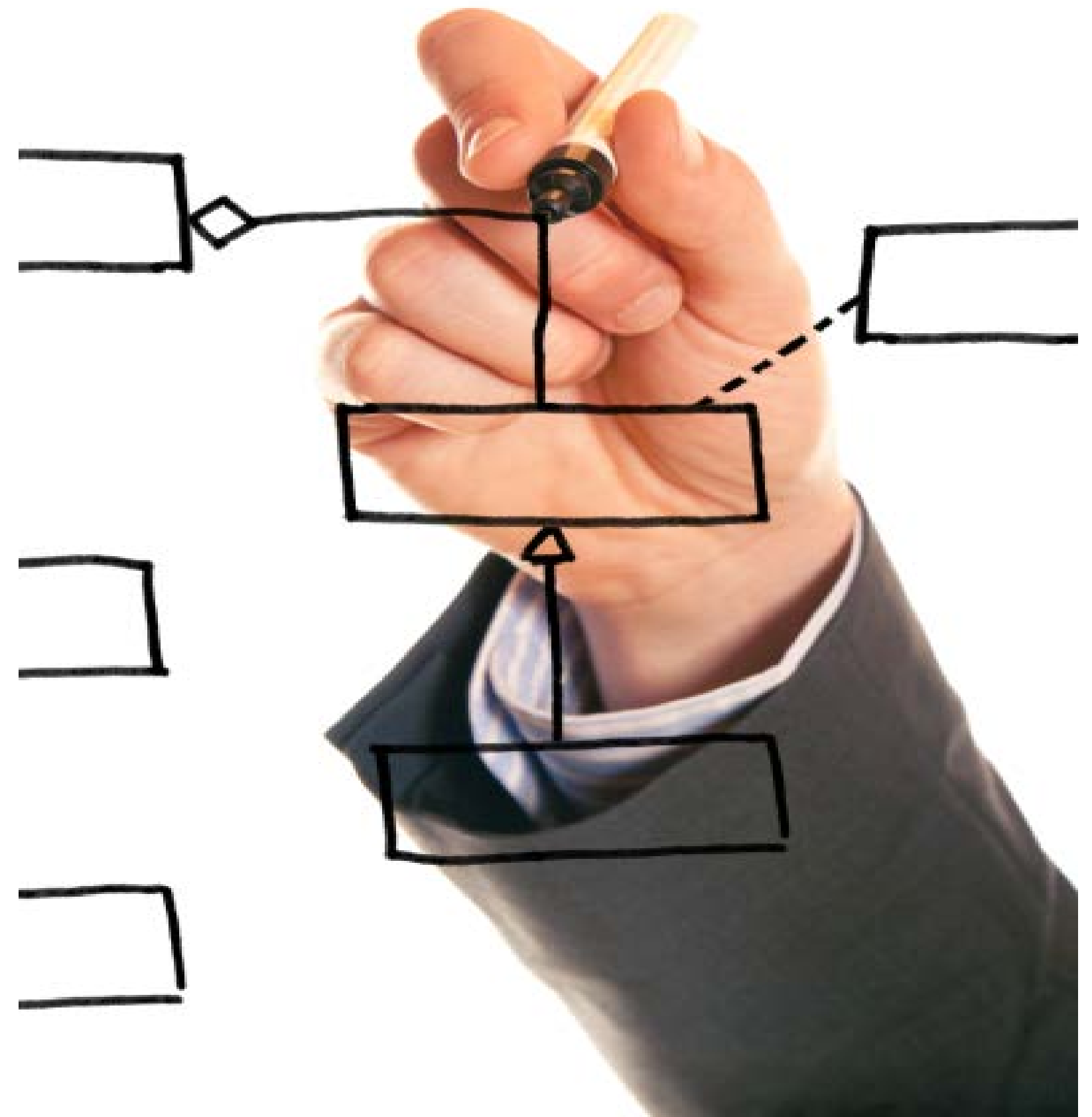
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# Methodology

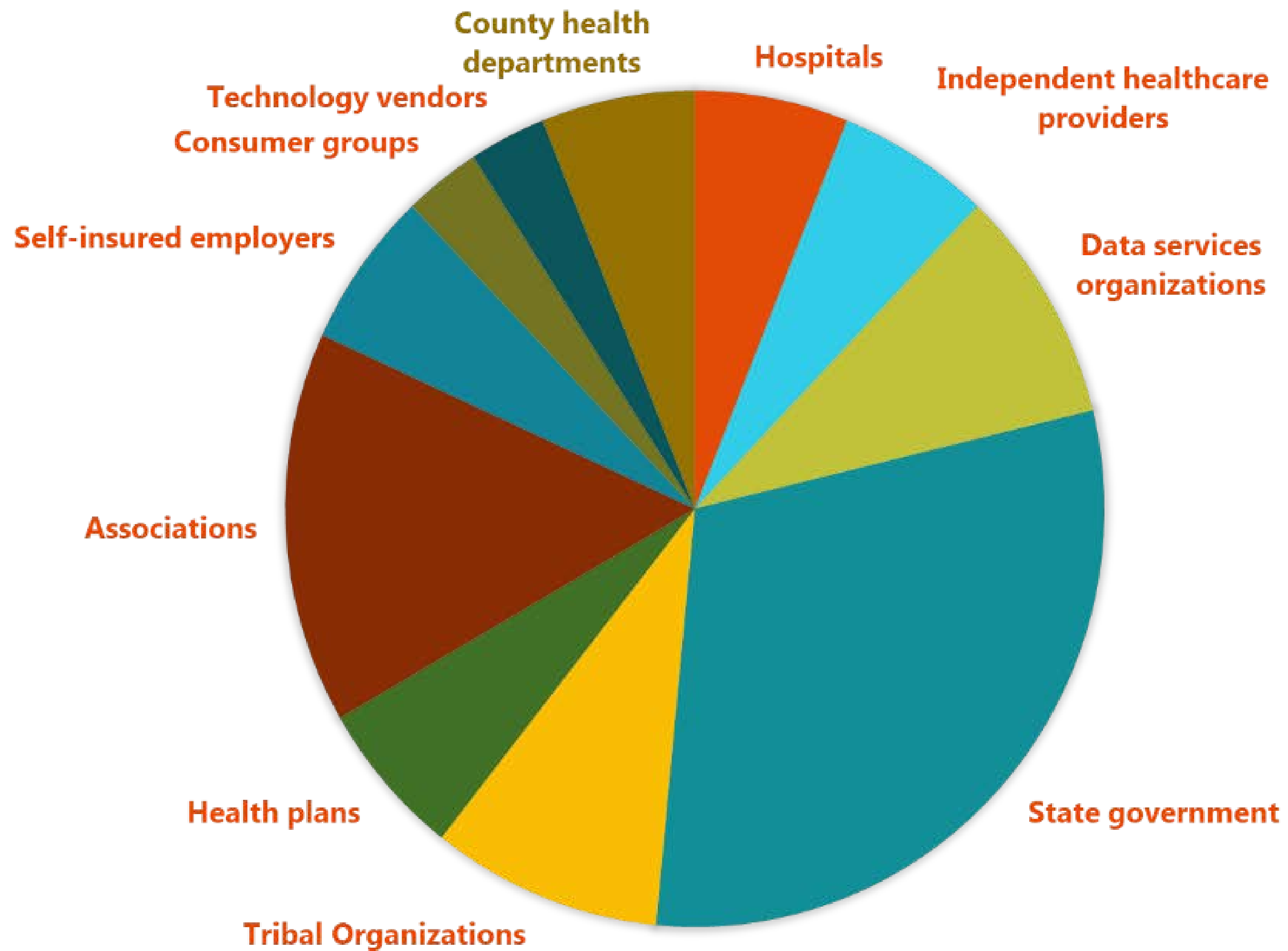
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- Literature review of documents pertaining to previous work on Oklahoma Health Information Exchange
- Stakeholder interviews: in-person and telephonic
- Group discussions
- Electronic surveys of long-term/post-acute care providers and behavioral health providers
- Data analysis, then targeted follow-up discussions for additional information



# Categories of Stakeholder Interviews

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# Summary of Environmental Scan Findings

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## Current-State Environment

- Three HIEs: MyHealth Access, Coordinated Care Health Network (CCHN), and Oklahoma's internal data exchange network
- The state must develop a coordinated and consistent strategy that utilizes the existing infrastructure and capabilities of MyHealth Access and CCHN to support use cases such as making longitudinal patient records available to providers at the point-of-care

## Governance Findings

- Strong need for shared governance among public and private entities
- Concerns around the amount of resources required of providers to join and connect to HIEs

## Technology Findings

- High adoption rate of electronic health records (77%) within the state
- Existing data exchange services within the current HIEs, although some hospitals systems prefer to use internal or vendor-based data exchange networks

# Ten-Year Roadmap for Connected Health

DRAFT  
for Stakeholder Feedback



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Oklahoma's Ten-Year Roadmap for Connected Health



# Document Layout

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Four sections of the Roadmap:

- *Oklahoma's Ten-Year Vision*
- *Recommendations to Realize Oklahoma's Ten-Year Vision*
- *Summary of Environmental Scan Findings*
- *Appendices*



# Guiding Principles

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- ❖ The needs of the patient/consumer should be kept at the center of any exchange, where data is protected with the appropriate safeguards for security and privacy;
- ❖ Establish credibility, build trust, and cultivate cooperation among stakeholders and organizations participating in the exchange of health information;
- ❖ Advance efforts through incrementalism: start small with achievable goals, then expand scope gradually
- ❖ Leverage existing health information exchange (HIE) infrastructure, such as Coordinated Care Health Network (CCHN) (now owned and operated by LightBeam Health Solutions) and MyHealth Access Network, and adhere to national standards where possible;
- ❖ Establish interoperability among disparate information systems, such as a Prescription Drug Monitoring Program (PDMP)

# Guiding Principles (continued)

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- ❖ Leverage existing state investments, such as the Health-e Oklahoma Master Person Index (MPI) and Provider Directory
- ❖ Support health information exchange in the most rural parts of the state as well as with the multiple Native American tribes within Oklahoma
- ❖ Provide training, education, and support to those providers who face barriers in accessing and consistently using an HIE
- ❖ Include existing health IT investments, such as those used by telehealth providers and long-term/post-acute care providers within the state

# Aims and Objectives

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- Increased use and adoption of both health IT and HIE within the State of Oklahoma
- Improved ability to capture, produce and use interoperable standards-based data in formats structured to be integrated, reused, and developed into meaningful reports providing value to a diverse set of providers
- Improved access to and sharing of meaningful patient information across both organizational and vendor boundaries





## Aims and Objectives (continued)

- Reliable protection of personal health information and safeguards to ensure that health information is shared with patient consent to providers with permission to view the individual's information
- Improved provider and patient experience, reduced burden, and increased workforce capacity
- Improved care coordination and reduction in duplicate services
- Increased use of aggregated data and quality measures, including clinical data for quality improvement, population management, and to support alternative payment models
- Alignment of standards to promote interoperability and exchange of health data

# Recommendations to Achieve the Ten-Year Vision



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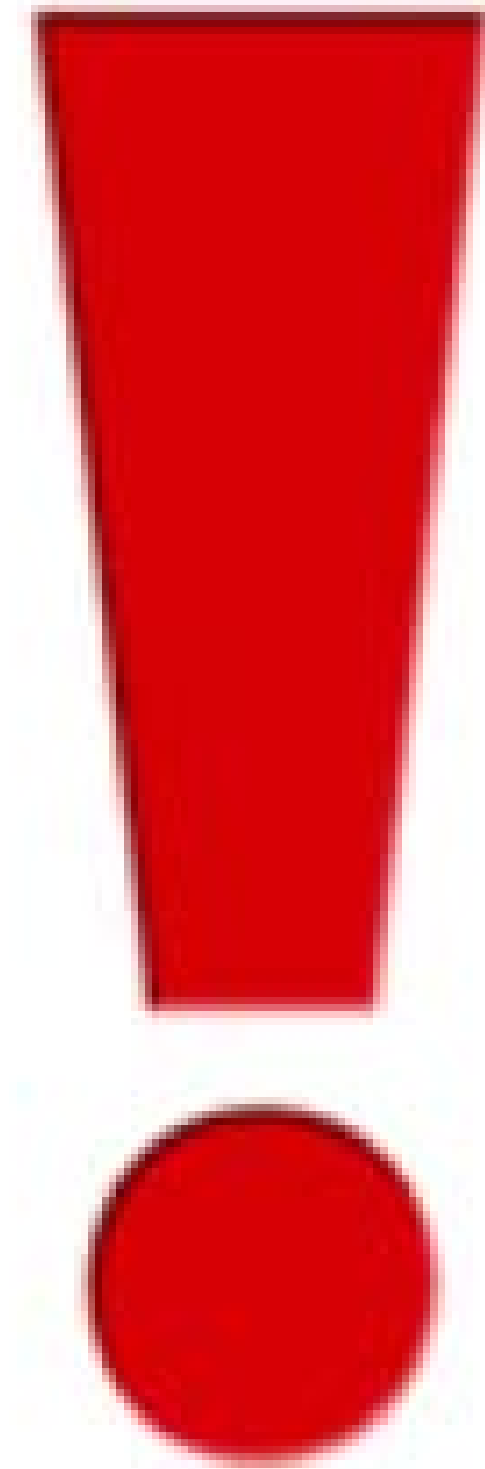
Oklahoma's Ten-Year Roadmap for Connected Health

# Anchor Recommendation: Statewide Governance

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Coordinated governance between HIE efforts is essential to ensure providers and patients/ consumers have unified access to records, regardless of which HIE services are utilized

- Launch the Health Information Technology Advisory Board (HITAB) per Statute 62-34.201; support transition to HITB, with new governance authorities and accountabilities through amended legislation
- Secure federal funds and required state matching funds for initial investments in planning, infrastructure, and onboarding activities
- Develop and initiate repeatable process to prioritize use cases and engage stakeholders to build trust





# Anchor Recommendation: Shared Services (OKHIN)

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- OKHIN's role is to provide, implement, and support the statewide shared services infrastructure for HIE entities and State agencies
- The State's plan is for the Public/Private entity to leverage a number of technologies to support the overall goals and objectives of OKHIN
- One strategy is to implement the state-purchased statewide master patient index (eMPI), vended by NextGate, with an evaluation of the technology commencing after the first year of operation to ensure it is fulfilling the needs to OKHIN
- Another is a provider/organization directory that tracks which providers/organizations are contributing data as well as who can access/receive data.
- A Record Locator Service (RLS) is a key infrastructure component that provides pointers to the location of patient information across the extended network of HIEs, enabling users to access and integrate healthcare data from distributed sources.



# HITB: A Public/Private Governance Entity

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- Certify HIEs to ensure minimum security, sustainability, and functional abilities
- Participating HIEs will be required to share information openly for required/authorized purposes of use
- Create provider onboarding program to help connect Medicaid providers to certified HIEs
- Develop shared services layer to ensure seamless statewide health information exchange

# Proposed State-Led Efforts (Near and Long-Term)

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- ❖ Launch the Health Information Technology Advisory Board (HITAB) per Statute 62-34.201; support transition to HITB, with new governance authorities and accountabilities
- ❖ Seek federal funding and develop public health gateway technology to ease provider burden
- ❖ Seek federal funding for health IT/HIE technology and technical assistance, as supported by the HITB and its workgroups; work with HITB to identify matching funds
- ❖ Expand access to public health data through a single-entry point for providers
- ❖ Consider baseline services to fill gaps/white space, if needed

# Proposed HITB-Led Efforts (Near and Long-Term)

- ❖ Develop new shared services entity
- ❖ Certify and connect HIEs
- ❖ Develop and oversee provider onboarding services
- ❖ Evaluate new use cases for additional HIE services
- ❖ Develop policies for community-wide data governance and data sharing agreements among participants across HIE service providers
- ❖ Support efforts to identify matching funds and develop financial strategies for long-term sustainability
- ❖ Expand provider onboarding
- ❖ Continue to evaluate new use cases for additional HIE services
- ❖ Expand focus on consumer engagement and patient access to data

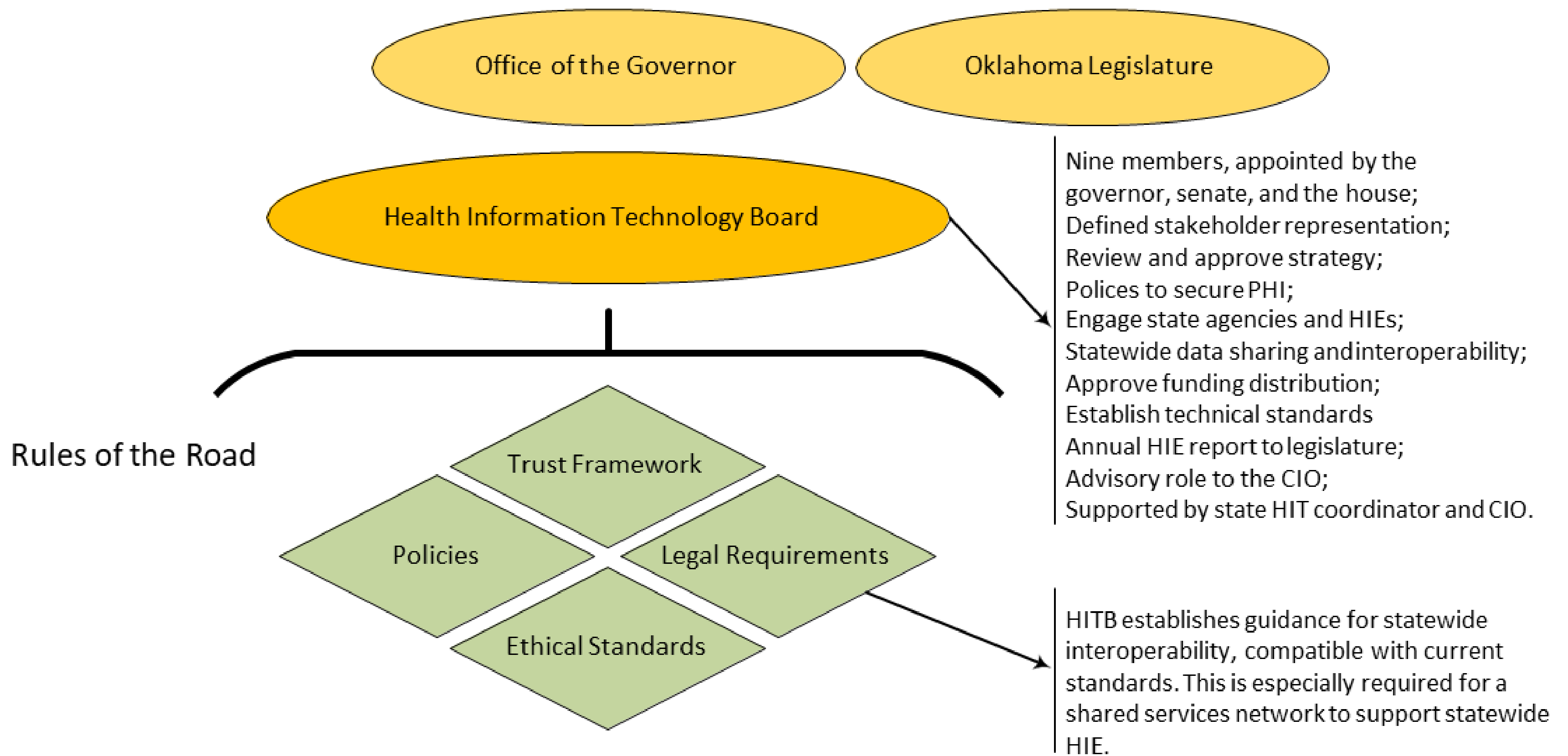
# Proposed Private Sector Efforts

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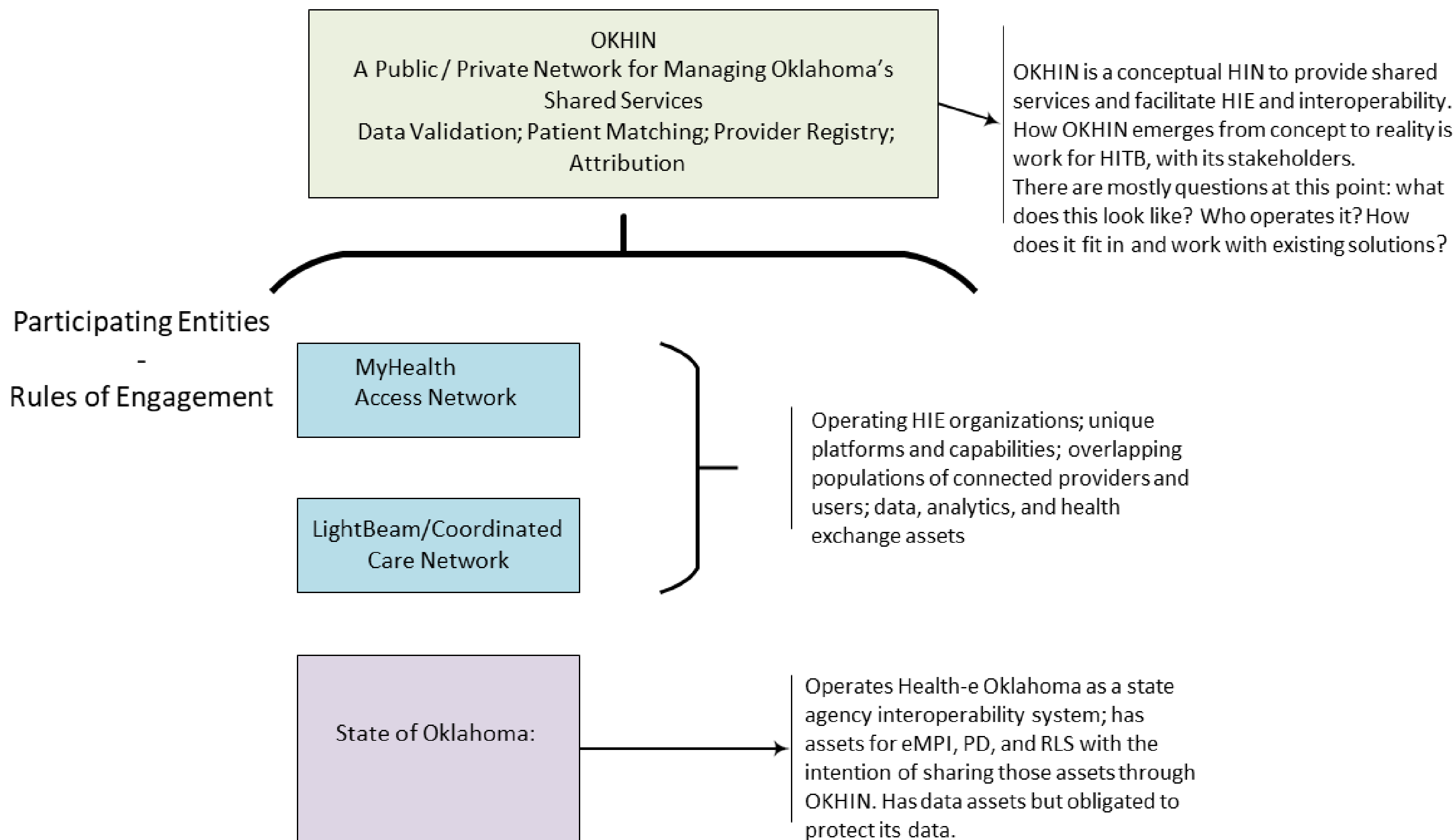
- Adopt and use health IT
- Participate in HIE
- Engage in governance activities

# Proposed Future-State Governance (Slide 1 of 2)

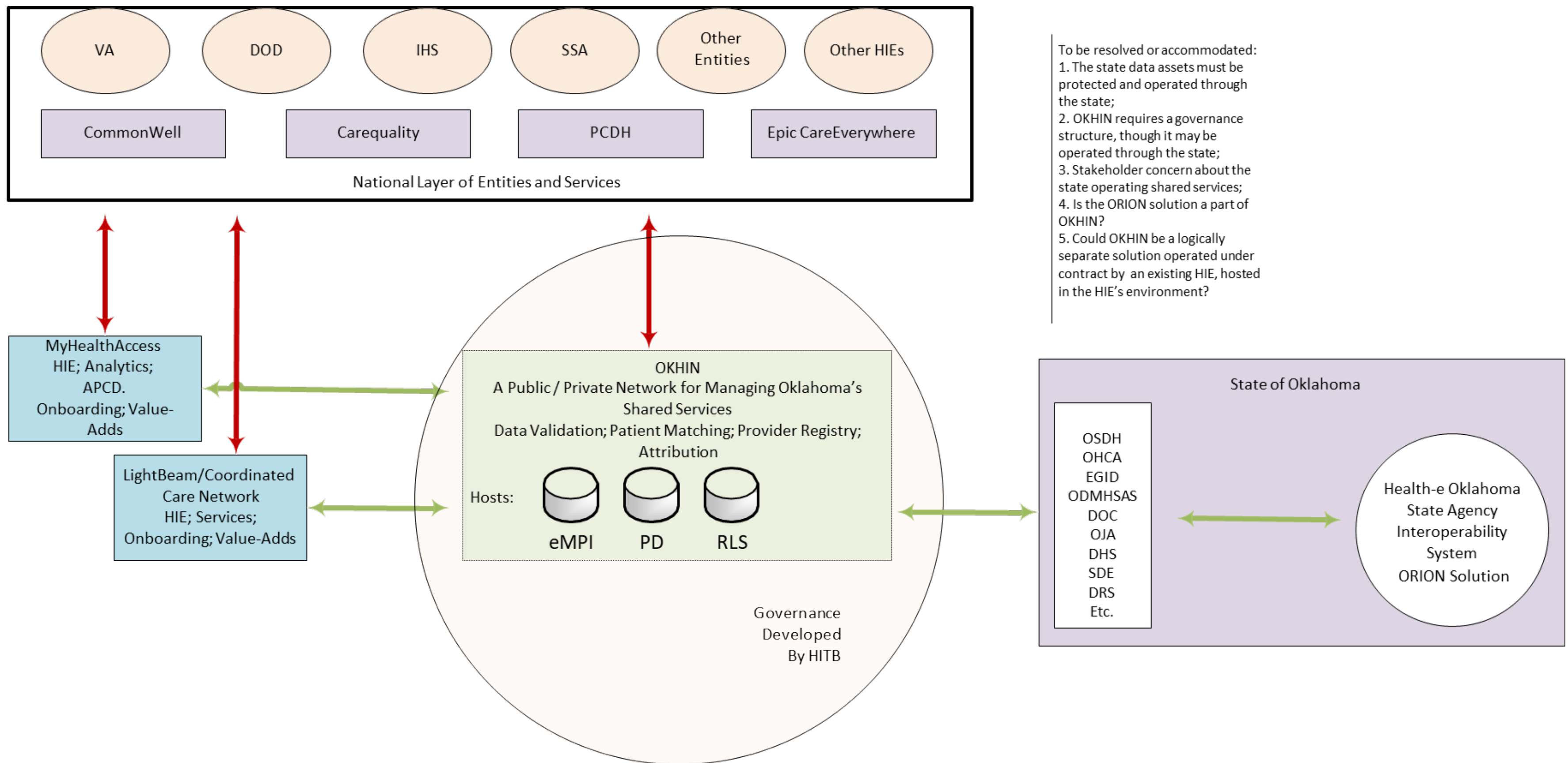
## Proposed Future-State Governance: Oklahoma Roadmap for Connected Health



# Proposed Future-State Governance (Slide 2 of 2)



# Potential Future-State Architecture



# Near-Term Approaches

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## **Supporting the Shared Services Infrastructure**

- Patient and provider identity management, care team attribution, and delivery preferences
- Single sign-on
- Patient consent and authorization preferences

## **Right Information at the Right Time**

- Make clinical information available at the point of care
- Use an HIE portal with single-sign on functionality to retrieve information from sources other than an electronic health record (EHR)
- Leverage vendor/API services and national networks such as Carequality where feasible

## **Onboarding Support**

- Develop an onboarding grant program to offset the costs of connecting providers
- Potentially support the adoption and spread of national exchange efforts, with HIE-enhanced connections to national networks



# Near-Term Approaches (continued)

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## **Public Health Gateway**

- Automated laboratory reporting
- Population-level quality and alert reporting
- Electronic case reporting

## **Convening and Coordination Role**

- There is a significant opportunity to support the adoption, use, and spread of health data exchange
- Convene stakeholders, share best practices, sponsor learning collaboratives, and identify common barriers and community-led solutions

## **Support for Multi-Payer and Value-Based Care Efforts**

- Establishing data-sharing relationships with community organizations
- Facilitate querying and accessing data from disparate sources through OKHIN

## **Recommendations to Guide Private Efforts**

- Participation of private stakeholders will be essential to success
- Regional HIEs should collaborate; form a “network of networks”

# Long-Term Approaches

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## **Oversight of OKHIN**

- Development of oversight or certification practices for participating HIEs
- Uniform legal agreement for data sharing
- Enforcement of privacy and security procedures for data exchange

## **State Led Efforts**

- Expand access to health care providers and organizations
- Advance connections, update data systems, and facilitate exchange

## **Governance Efforts**

- Prioritize and guide investments in modern shared services and modular technology
- Collaborate, convene and share common solutions
- Community-wide data initiatives should continue to be explored to improve population-level data quality

# Long-Term Approaches (continued)

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## **Economic Analysis**

- Collect and use data to conduct return-on-investment and cost-benefit analysis
- Examine where OKHIN has provided efficiencies in care
- Help the state move towards greater sustainability

## **Expansion of Public Health Activities**

- Clinical care in public health clinics
- Disaster-related events



# Risks and Mitigation Strategies

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## **Lack of state support / funding**

- Build stakeholder consensus
- Demonstrate value in using leveraged funds (90/10)
- Align HIE activities with state-level drivers such as public health efforts, cost containment, and health workforce development.

## **Lack of stakeholder support / buy-in**

- Start small and build momentum
- Engage often and early
- Seek feedback and adjust as needed

## **Concerns over privacy and security of the data within OKHIN**

- Ensure that OKHIN relies on the best and safest technology for information exchange
- Monitor and assess implications that new technology may have on privacy and security
- Seek accreditation from a nationally recognized organization, such as the Electronic Health Network Accreditation Commission (EHNAC)



# Risks and Mitigation Strategies (continued)

## **Initiative fatigue**

- Focus on the critical few to build momentum and trust
- Demonstrate value early and often
- Linking HIE activities with other business drivers should improve care, operations efficiency, and provider satisfaction

## **OKHIN participants will not maximize the amount of data to share**

- Set standards outlining both the type of information exchanged and the expected breadth of information for each exchange partner
- Work with CMS around Medicare reimbursement strategies

## **Competition between HIEs**

- Build trust in the process for fair and neutral governance of HIE marketplace
- Establish clear rules of the road
- Prioritize lowest effort/highest impact use cases initially
- Leverage available funding (e.g., onboarding) to provide incentives

# Other Components

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- Communications strategy developed through a Public Information Office (PIO)
- Economic assessment
- Continued planning and evaluation activities



## Next Steps

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- CedarBridge will incorporate any feedback from stakeholders during this meeting
- The draft Roadmap will be posted for public comment on September 4, 2018, with the period ending on September 10, 2018.
- CedarBridge will synthesize comments and will facilitate a process for any components of the plan that do not align with stakeholder consensus
- The Roadmap will be presented to the HITB for final approval sometime in mid-September.

# Thank you!

For more information, please contact

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