



The Office of the National Coordinator for  
Health Information Technology



# Aligning the National & State eHealth Agenda

Patricia MacTaggart

[Patricia.mactaggart@hhs.gov](mailto:Patricia.mactaggart@hhs.gov)

202-230-0987

Putting the **I** in Health**IT**  
[www.HealthIT.gov](http://www.HealthIT.gov)



# Connecting Health and Care for the Nation: A Shared Nationwide Interoperability Roadmap Draft

## VISION

High-quality care,  
lower costs, healthy population,  
and engaged people

## MISSION

Improve the health and  
well-being of individuals and  
communities through the  
use of technology and health  
information that is accessible  
when and where it matters most



### Core technical standards and functions

1. Consistent data formats and semantics
2. Consistent, secure transport technique(s)
3. Standard, secure services
4. Accurate identity matching
5. Reliable resource location

### Certification to support adoption and optimization of health IT products and services

6. Stakeholder assurance that health IT is interoperable

### Privacy and security protections for health information

7. Ubiquitous, secure network infrastructure
8. Verifiable identity and authentication of all participants
9. Consistent representation of permission to collect, share, and use identifiable health information
10. Consistent representation of authorization to access health information

### Supportive business, clinical, cultural, and regulatory environments

11. A supportive business and regulatory environment that encourages interoperability
12. Individuals are empowered to be active managers of their health
13. Care providers partner with individuals to deliver high value care

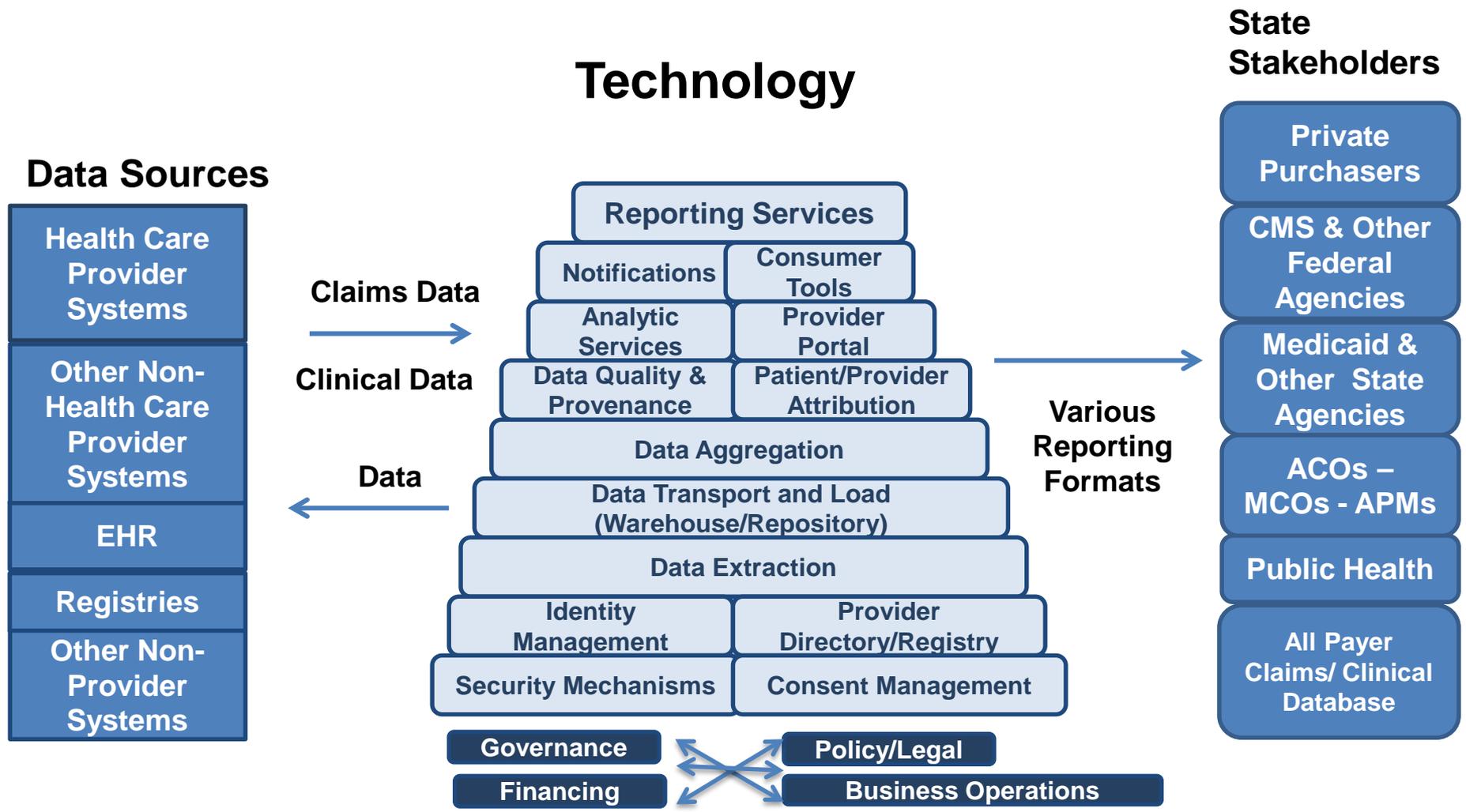
### Rules of engagement and governance

14. Shared governance of policy and standards that enable interoperability

- CMS is testing the ability of **state governments to utilize policy and regulatory levers** to accelerate health care transformation
- Primary objectives include
  - Improving the **quality of care** delivered
  - Improving **population health**
  - Increasing **cost efficiency** and expand **value-based payment**
- SIM must reach a preponderance of care in the state
- Primary goal: Over 80% of payments to providers from all payers in the state are in value-based purchasing and/or alternative payment models by end of performance period

Category 1	Category 2	Category 3	Category 4
Fee-for-service with no link of payment to quality	Payment Linked to Quality	Alternative Payment Models	Population-based Payment





- **Direct Infrastructure/Activity**
- **Statutory/ Regulatory Authority**
- **Private and Public Contractual Requirement**
  - **Participation**
  - **Payment**

# **KY SIM Model Design Overview**

# SIM Program Overview

The Centers for Medicare & Medicaid Services (CMS) State Innovation Model (SIM) initiative is focused on testing the ability of state governments to use available levers to *accelerate health transformation*.

- Provides financial and technical support to states for developing and testing state-led, multi-payer health care payment and service delivery models that will impact all residents
- The overall goals of the SIM initiative:
  - *Establish public and private collaboration with multi-payer and multi-stakeholder engagement*
  - *Improve population health*
  - *Transform health care payment and delivery systems*
  - *Decrease total per capita health care spending*

## Current

- Uncoordinated, fragmented delivery systems with highly variable quality
- Unsupportive of patients and physicians
- Unsustainable costs rising at twice the inflation rate

## Future

- Affordable
- Accessible to care and to information
- Seamless and coordinated
- High-quality – timely, equitable, and safe
- Person- and family-centered
- Supportive of clinicians

Source: CMS SIM Round Two Funding Opportunity Announcement Webinar

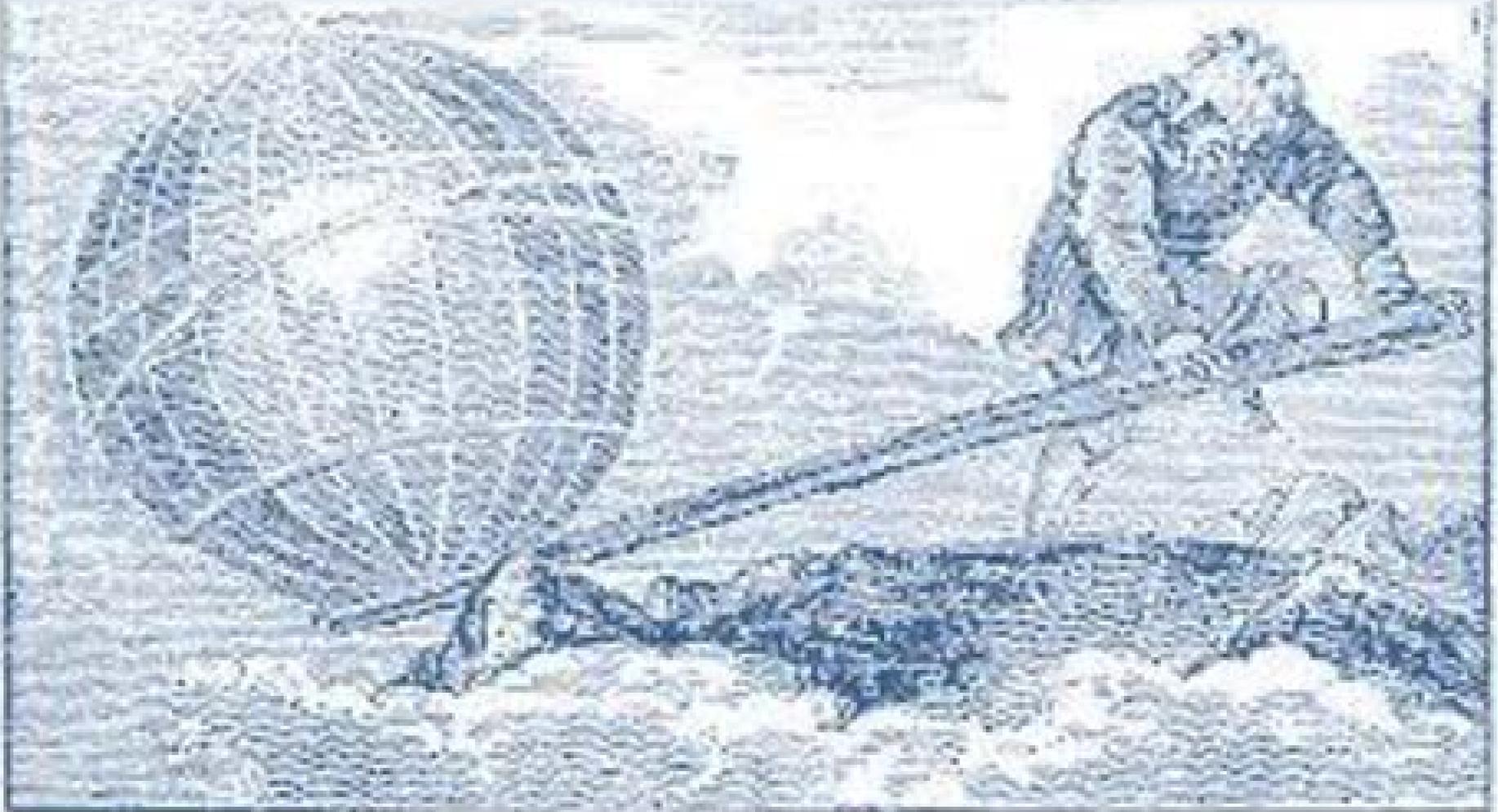
Improve health system performance

Increase quality of care

Decrease costs

# Levers

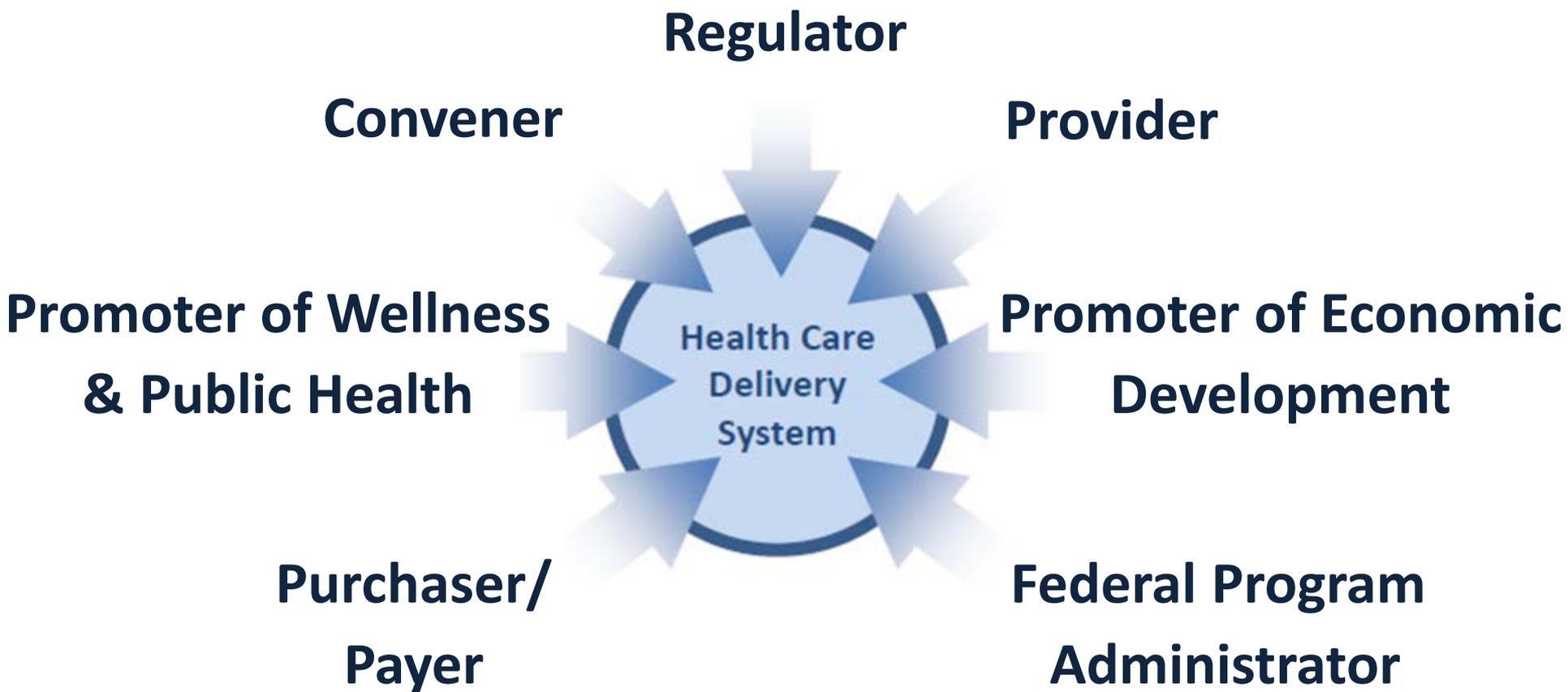
**"Give me a place to stand, and a lever long enough,  
and I will move the world"**



# Roles State Government May Play in Health Care

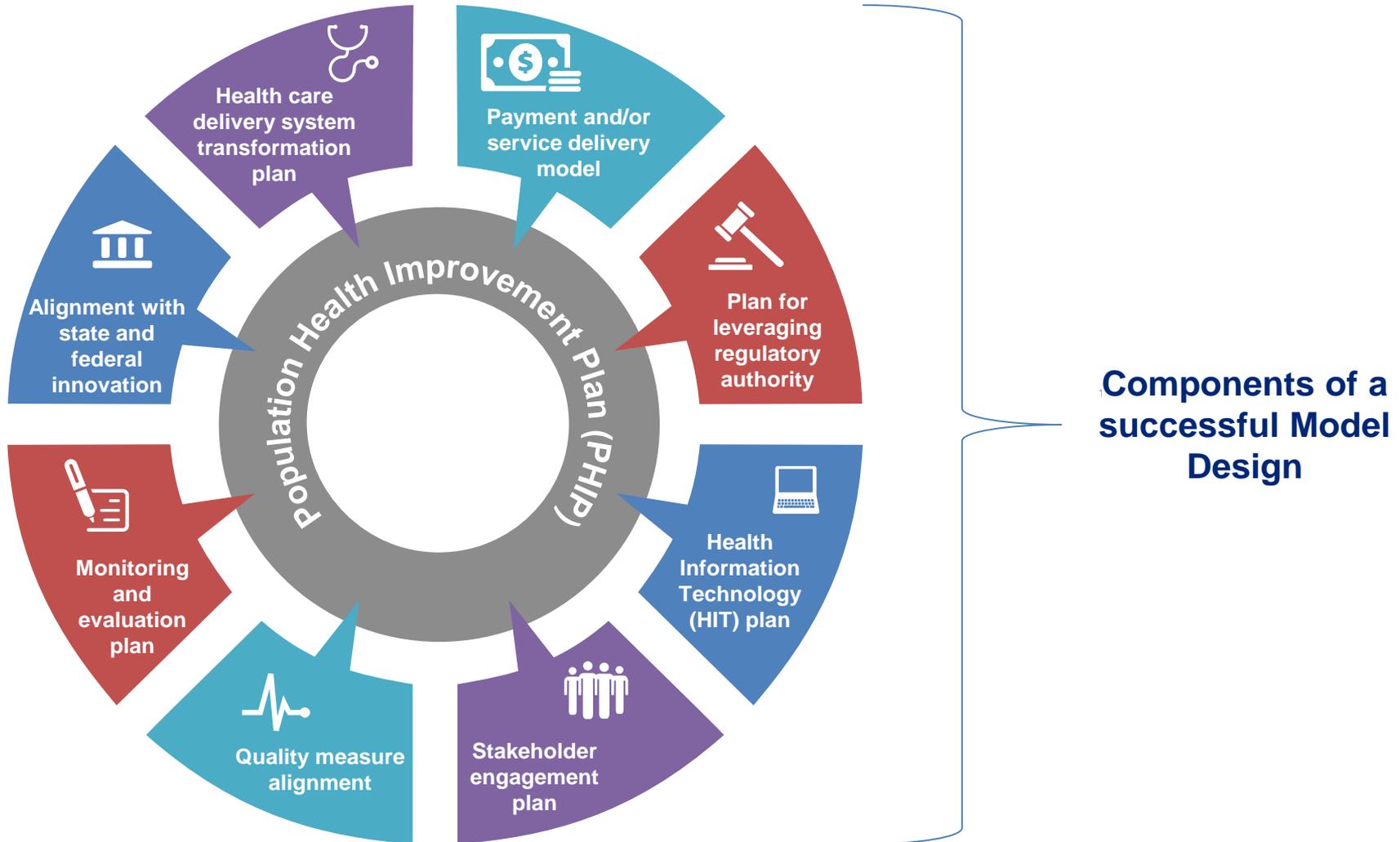
---

State governments play many overlapping roles in influencing the health and delivery of health care services for their population.



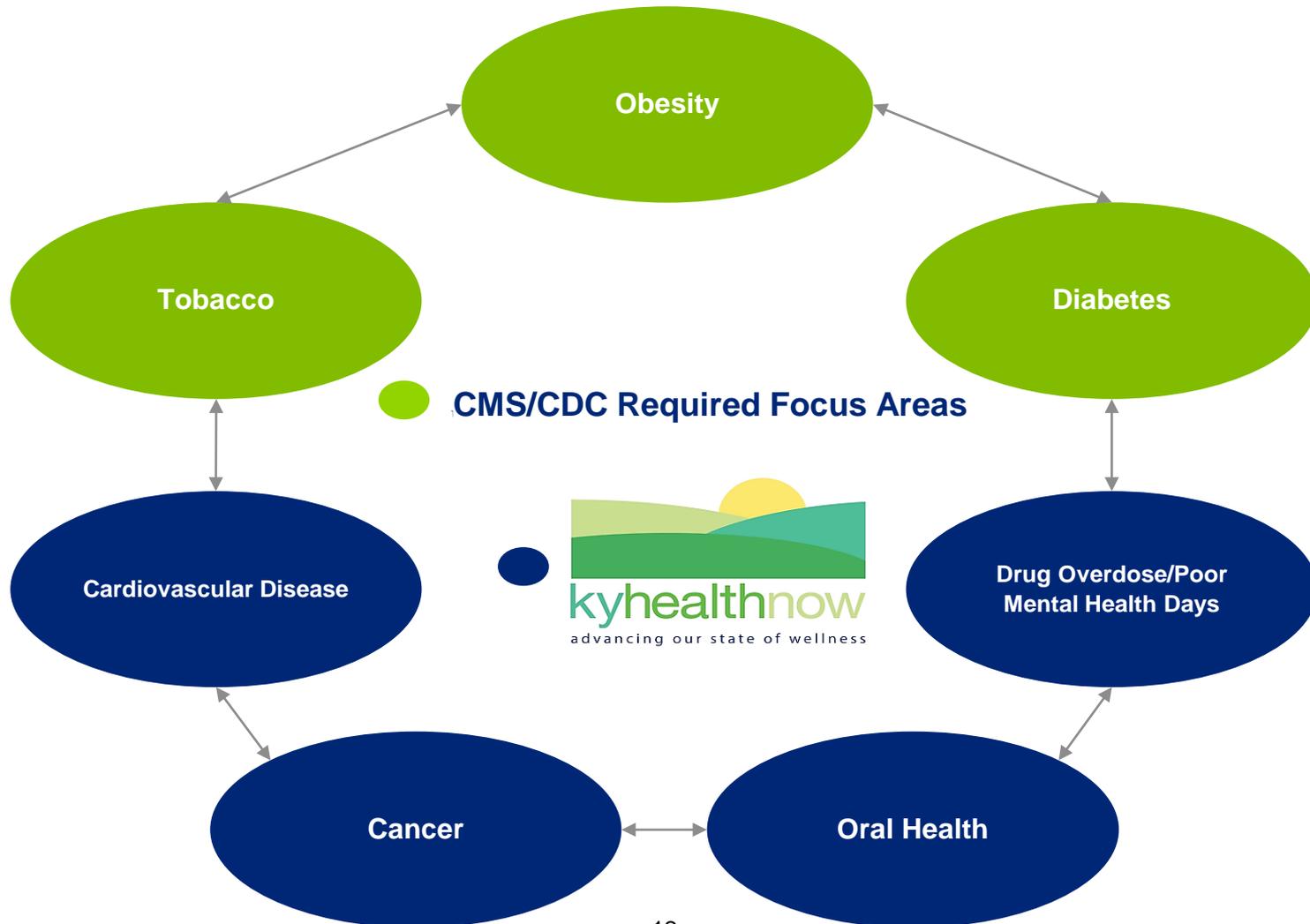
# Components of a SIM Model Design

State Health System Innovation Plan = “Model Design” is the final deliverable for a SIM grant.



# PHIP Harmonized With *kyhealthnow*

Kentucky will build upon existing health initiatives within the Commonwealth and at a national level in development of an integrated, comprehensive Population Health Improvement Plan (PHIP).





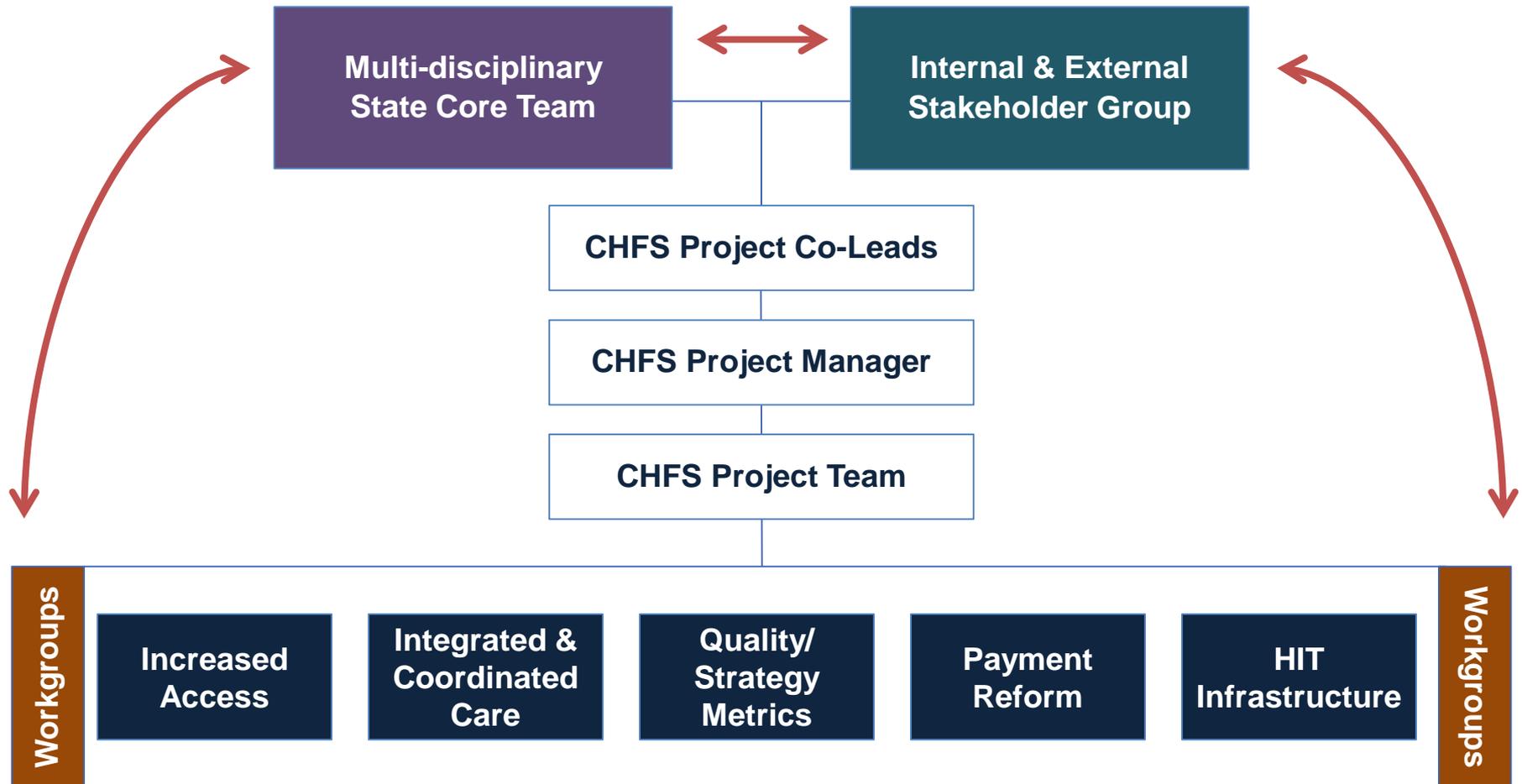
**Governor Says:  
“Let’s Accomplish  
before the end of this decade (2019)!”**

## Goals

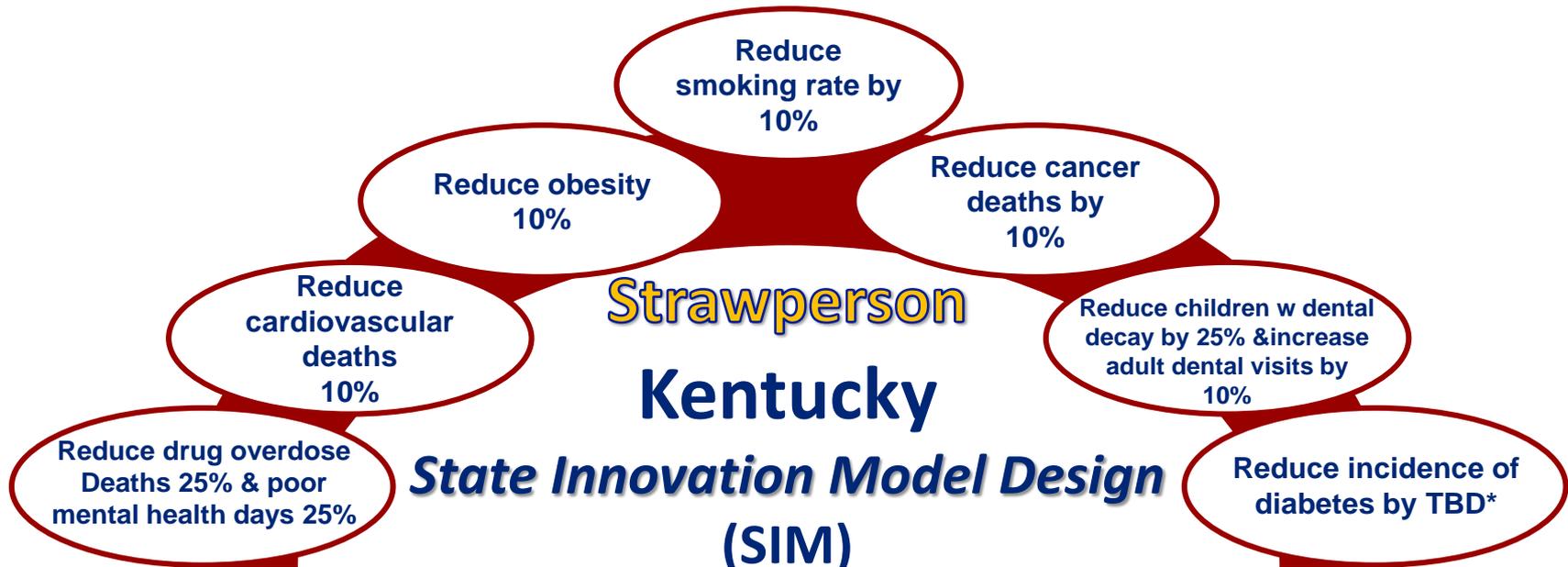
- ✓ Reduce Kentucky’s rate of **uninsured** individuals to **less than 5%**
- ✓ Reduce Kentucky’s **smoking** rate by **10%**
- ✓ Reduce the rate of **obesity** among Kentuckians by **10%**
- ✓ Reduce Kentucky **cancer deaths** by **10%**
- ✓ Reduce **cardiovascular deaths** by **10%**
- ✓ Reduce the % of **children with untreated dental decay** and increase **adult dental visits** by **10%**
- ✓ Reduce deaths from **drug overdose** by **25%** and reduce the average number of poor mental health days of Kentuckians

# Kentucky's SIM Project Structure

While the CHFS is the lead applicant agency for Kentucky's SIM Model Design, the process will rely on consistent input from and two-way communication among a multi-disciplinary state Core Team and internal and external stakeholders to develop, implement, and sustain the SIM initiatives.



# At a Glance: KY's "Plan"



*Potential Reform Initiatives (based on workgroup input and guiding principles to date)*

**Patient Centered  
Medical Homes  
(PCMH)**

**Accountable Care  
Organizations  
(ACO)**

**Episodes of Care  
(EOC)**

**Community Innovation Consortium**

*A program for providers and communities to develop new delivery model & payment reform pilots with multi-payer support*

**HIT Strategies**

**Quality Strategies**

**Consumer Strategies**

**Workforce Strategies**

**Increased Access Strategies**

**Other Supporting Strategies**

# **KY SIM HIT Infrastructure Workgroup Update**

# SIM Round Two Model Design HIT Plan Checklist

At its in-person convening of Round Two SIM states, CMS and ONC released a checklist to support the development of the HIT Plan as part of the overall State Health System Innovation Plan. The checklist provides a strategic set of questions to assure the HIT focus areas have been identified and addressed individually and within the context of the overall Model Design.



- How the specified health IT elements and/or programs, in combination, will achieve state-wide health transformation



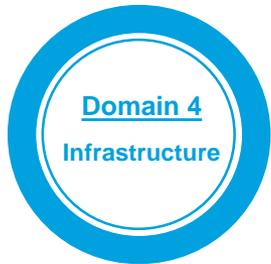
- Describe how state leadership will direct the planning and oversight of implementation
- Supply a comprehensive plan to implement infrastructure to support the Model Test that leverages existing assets and aligns with federally-funded programs and state enterprise IT systems
- Explain how the governance structure will incorporate and expand existing public/private health information exchanges, including those operated by ACOs



- Describe policy and regulatory levers that will be used to accelerate standards-based HIT adoption to improve care across the state
- Describe methods to improve transparency and encourage innovative uses of data; offer a plan for promotion of patient engagement and shared-decision making; and propose multi-payer strategies to enable and expand the use of health information technology

## SIM Round Two Model Design HIT Plan Checklist (Continued)

At its in-person convening of Round Two SIM states, CMS and ONC released a checklist to support the development of the HIT Plan as part of the overall State Health System Innovation Plan. The checklist provides a strategic set of questions to assure the HIT focus areas have been identified and addressed individually and within the context of the overall Model Design.



- Describe how the state will implement analytical tools and use data-driven, evidence-based approaches to coordinate and improve care across the state
- Plan to utilize telehealth and perform remote patient monitoring to increase access to care and the timeliness of care
- Plan to use standards-based health IT to enable electronic quality reporting
- Explain how public health IT systems (such as clinical registry systems) will be integrated; and describe how support of electronic data will drive quality improvement at the point of care



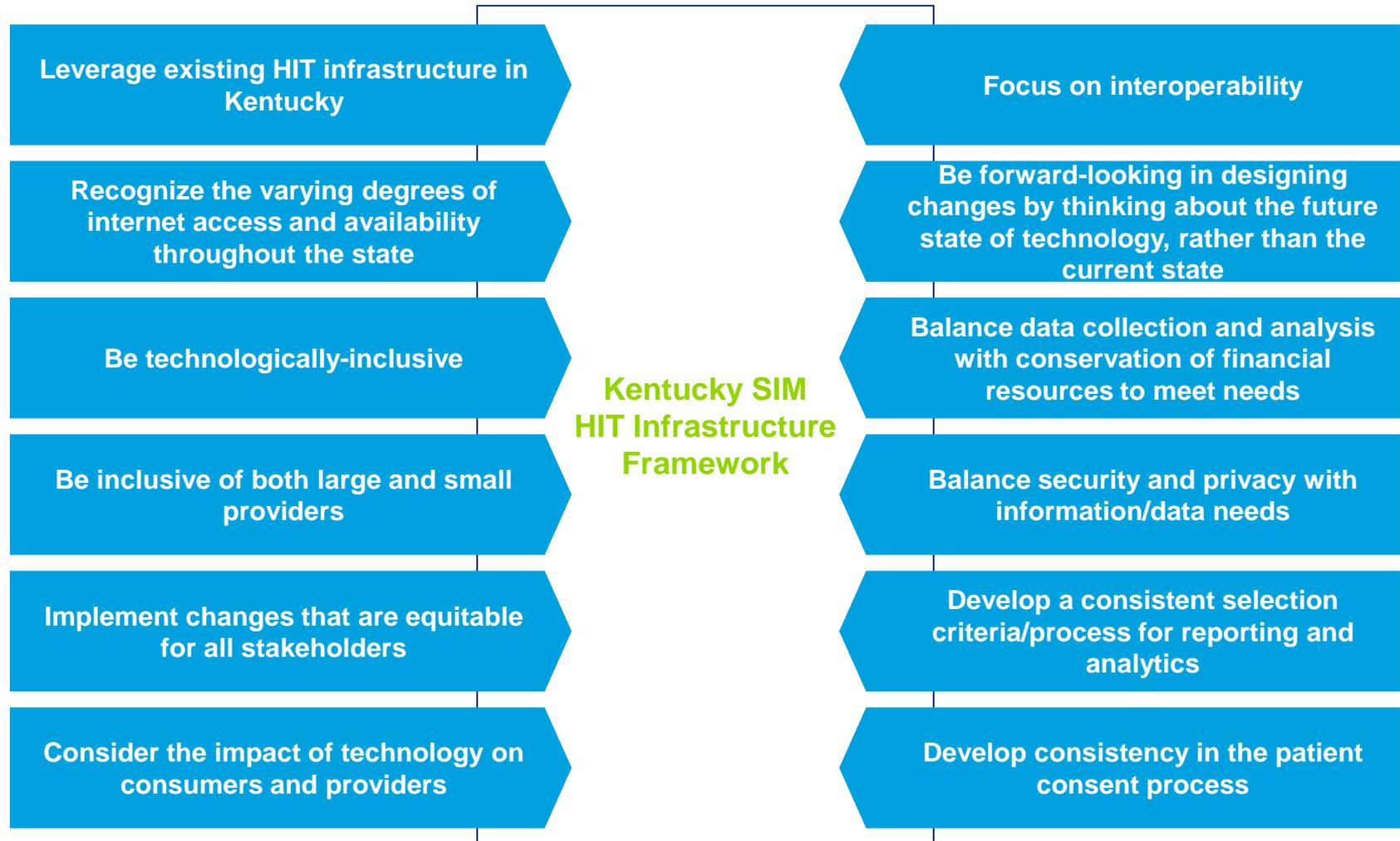
- Define how the state will provide technical assistance to providers and identify targeted provider groups that will receive assistance and what services will be delivered
- Identify how the state intends to extend resources to providers ineligible for Meaningful Use incentive payments, if applicable

# Guiding Principles in Expanding HIT Infrastructure

The following guiding principles were developed by the HIT Infrastructure workgroup in April to be used in the future development of an overall HIT strategy for Kentucky SIM.

## *Leveraging Existing Infrastructure*

## *Looking Forward*



# Draft HIT Plan Strategy

In June, the HIT Infrastructure workgroup began to think conceptually about the core areas that will need to be addressed in the HIT Plan, which is a final component of the State Health System Innovation Plan (SHSIP).

