

Commonwealth of Kentucky  
Cabinet for Health and Family Services  
Office of Health Policy (OHP)

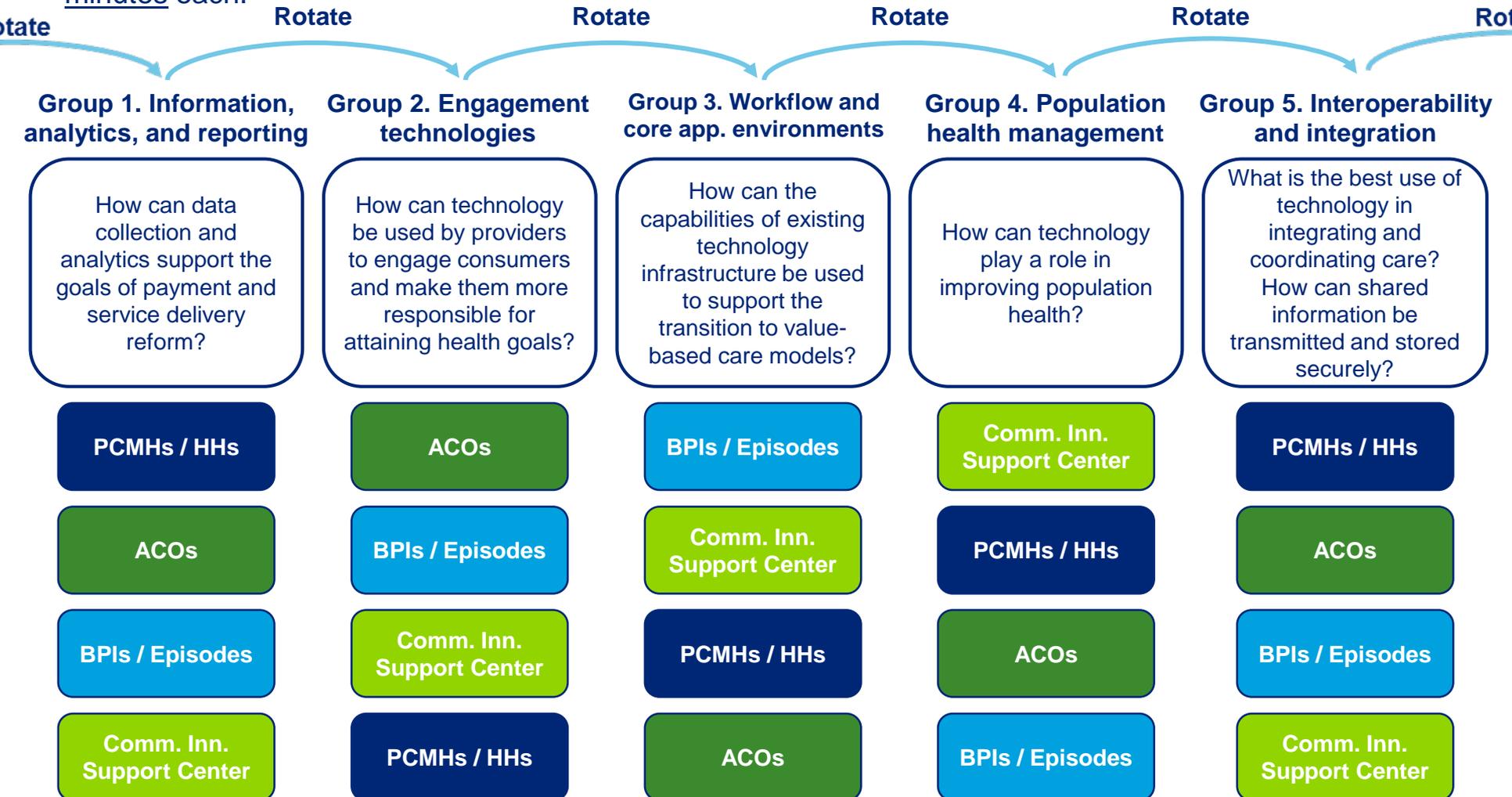


**State Innovation Model (SIM) Model Design**  
**July Workgroup(s) Output – HIT Infrastructure Breakout #4**

**July 2015**

# July HIT Infrastructure Breakout Activity

In the July HIT Infrastructure workgroup, members revisited the five components of the HIT Plan Strategy developed during the June workgroup in a breakout activity. They formed five groups and rotated to discuss these five components across the four key design elements of the KY SIM Straw Person for 20 minutes each.



# HIT Infrastructure Breakout #4 – Population Health Management

How can technology play a role in improving population health?

4. Population Health management

Definition

- \* distribution of health status / outcomes across a geography or defined population
- statistical modeling to identify opps. for specific improvements
  - available to all providers
  - consistent across populations
- connecting disparate data sources
  - statewide identification
- information across all provider types / settings
- PMH / practice-level
  - aggregation of complete patient record (social)
  - Shared care plan → individual
- apps to connect patients within a system
  - mobile, between providers, two-way
- data sharing between practices, not just systems
  - PMH query own data for patient engagement / prevention
- identify areas of emphasis (long-term prediction)

4. Population Health management

- customization of PMH based upon demographic / cultural data
- consumer role in pp. health (segmentation)
  - monitoring (clinical)
  - social determinants → communication
- access to specific information for providers
  - record-level
  - analytics
- education / decision support
- predictive modeling / analytics

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group #2

- providing information to consumers / data sharing
  - remote monitoring (confidentiality issue)
- setting population goals vs. oversight + patient engagement
  - accountability
  - personalization
  - role modeling
- data normalization → actionable

# HIT Infrastructure Breakout #4 – Population Health Management

How can technology play a role in improving population health?

4. Population Health management

- use of repositories/data by both providers & consumers
  - identify health improvement opps. in communities
- telehealth / telemedicine

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group #3

- real-time data
  - other sources beyond claims data
  - HIE, APCD
- continuous review of best practices
  - screening criteria
- ACO
  - access to data if only engaged in ACO
  - patient management to remain inside
  - use of HIE for TOC/alerting
- how to use statewide trend data at individual level

4. Population Health management

- balance between real-time data needs and cost/ROI
  - individual impact
  - population trends

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group #4

definition: ecosystem of interacting pieces

- public health
- policy
- consumer
- health system

Tech

terminology, patient centered, social determinants

- mobile health to rapidly scale behavior change across populations
- ability to compare payment models based upon data that is available
  - need infrastructure upfront
  - need ability to change over time
- genomic studies

## HIT Infrastructure Breakout #4 – Population Health Management

How can technology play a role in improving population health?

