



OeHI

Office of eHealth Innovation

EHEALTH COMMISSION MEETING

OCTOBER 12, 2016

Call to Order	
Roll Call and Introductions	1:00
Approval of September Minutes	
October Agenda and Objectives	
<i>Michelle Mills, Chair</i>	
Announcements	1:05
OeHI Updates	
SIM HIT Updates	
Grant Opportunities, Workgroup Updates, Announcements	
<i>Chris Underwood, OeHI Interim Director</i>	
<i>Carrie Paykoc, State Health IT Coordinator</i>	
<i>Commission Members</i>	
New Business	1:10
Colorado Health IT Roadmap Steering Committee	
<i>Laura Kolkman and Bob Brown, Mosaica Partners</i>	
Master Data Management Requirements Review	2:00
<i>Jim Younkin, CedarBridge Group</i>	
Patient-Centered Data Home and Admit, Discharge, and Transfer Message Exchange	2:20
<i>Morgan Honea, CORHIO</i>	
Public Comment Period	2:40
Closing Remarks	2:50
Open Discussion, November Agenda, Adjourn	
<i>Michelle Mills</i>	

WHAT ARE WE TRYING TO ACHIEVE TODAY?

- As the Steering Committee for the Colorado Health IT Roadmap, provide direction & feedback on the proposed Roadmap Objectives
- Understand the current requirements for Master Data Management in Colorado
- Understand the work being performed within the Patient Centered Data Home Project as it relates to ADT Messaging

- OeHI Updates
Chris Underwood, OeHI Interim Director
- SIM HIT Updates
Carrie Paykoc, State HIT Coordinator
- Grant Opportunities, Workgroup Updates, Announcements
Commission Members



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COLORADO HEALTH IT ROADMAP STEERING COMMITTEE

*LAURA KOLKMAN AND BOB BROWN,
MOSAICA PARTNERS*



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COLORADO HEALTH IT ROADMAP

STEERING COMMITTEE MEETING

OCTOBER 12, 2016

- Workshops: Follow-Up and Feedback
- Principles: Review
- Objectives: Discussion (handout)
- Survey: Distribution
- Next Steps

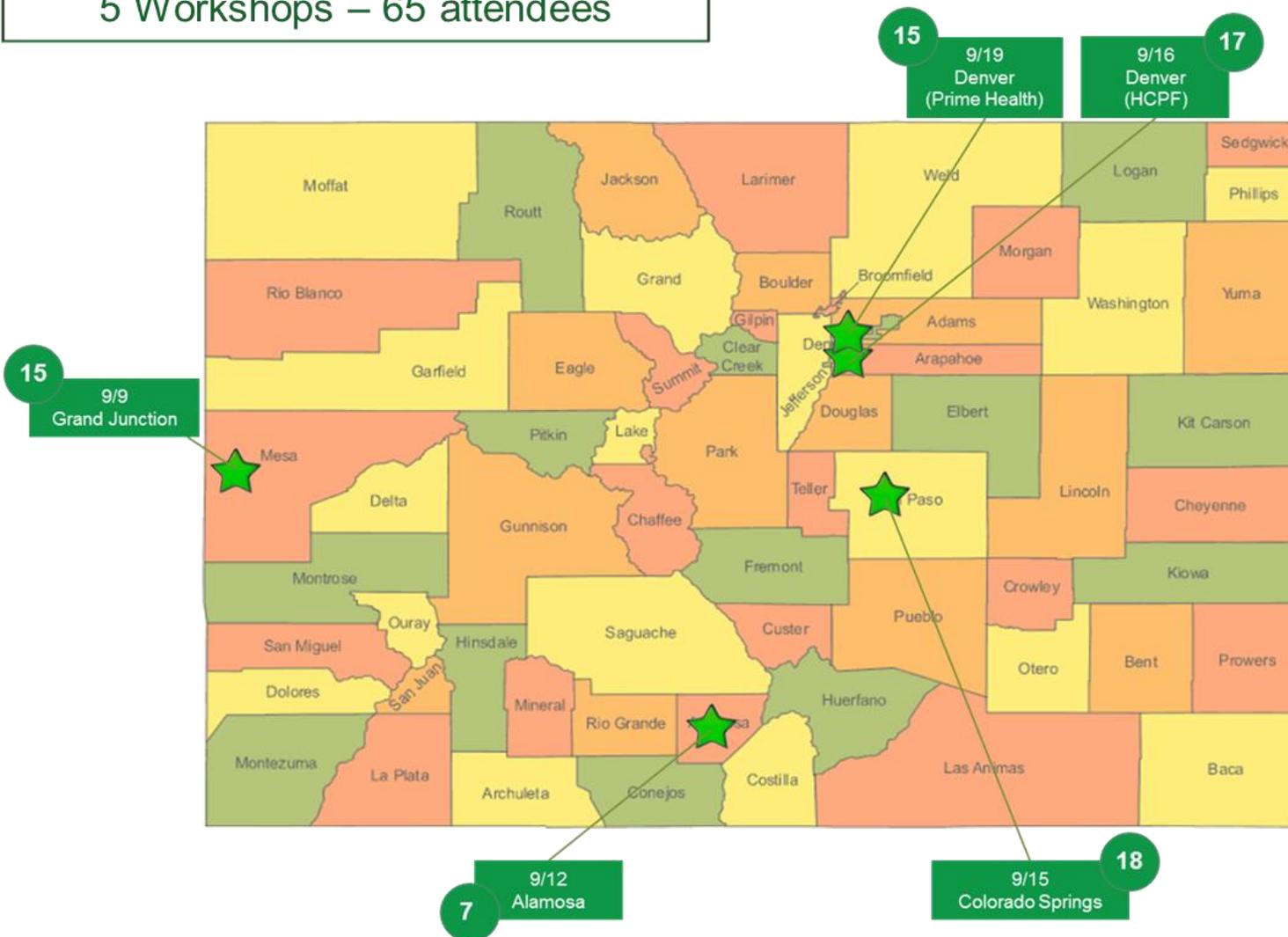


ENVISIONING WORKSHOPS

ENVISIONING WORKSHOP ATTENDANCE



5 Workshops – 65 attendees



FEEDBACK FROM WORKSHOPS



“Definitely worth my time,
... feel privileged to be
involved with the planning
process for our state”

“...good
brainstorming session
... IT infrastructure
means many things to
many people”

“...enjoyed the
conversation
very much”

“...the workshop was
visionary and
enjoyable, fun, yet
professional”

“...did a great job of
facilitating diverse
stakeholder engagement”

“...use of guided
facilitation, small
group discussion was
good”

“...useful ... look
forward to further
discussion”

VISION AND PRINCIPLES GUIDING THE DEVELOPMENT OF THE COLORADO HEALTH IT ROADMAP

“Our *VISION* is a future where health and well-being are as much a part of Colorado’s way of life as our mountains, clear skies, and pristine environment.”

Source:

“The State of Health”

Colorado’s Commitment to Become the Healthiest State

Office of the Governor, April 2013

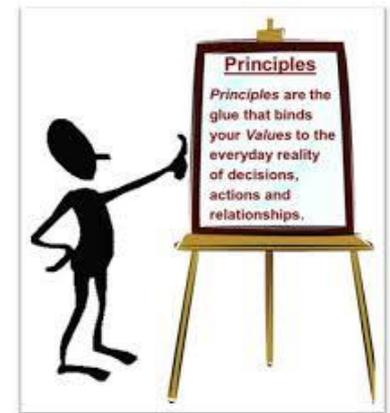


Previously
Discussed

- Supports Colorado's health care transformation efforts
- Use an open and transparent process
- Ensure broad stakeholder participation, support, and acceptance
- Broad geographic and demographic considerations
- Leverage existing capabilities, where possible
- Roadmap should be achievable, actionable, and practical

Proposed

- Health information technology supports the patients, persons, and providers in their pursuit of the Triple Aim
- The value of health IT and health information exchange is real and recognized
- Technology promotes patient/provider interaction
- Includes social determinates of health
- Focus on the “person” not the “patient”
- Provides guidance for priority setting



DISCUSSION OF PROPOSED OBJECTIVES

- Reviewed many relevant documents
- Conducted 25 key stakeholder interviews
- Met with other key stakeholders and organizations
- Facilitated 5 Envisioning Workshops
- Applied knowledge of national direction as well as what other states are doing
- Held Colorado Health IT Roadmap project team discussions



Colorado Health IT Roadmap

Objectives Discussion

Handout

SURVEY

- Purpose
 - Relative importance of objectives of Colorado's Health IT Roadmap
- Distribution process
 - Master Stakeholder List
 - Steering Committee
 - Colorado stakeholders - BROAD distribution
- Distribution channels
 - Steering Committee input



- Finalize Objectives
- Develop and conduct survey
- Publish prioritized objectives



PROJECT CALENDAR

Key Project Events	2016						2017										
	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov
Project Kick-Off July 2016	★																
Steering Committee Meetings	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	
Stakeholder Interviews August 2016		▬															
Envisioning Workshops Mid-September 2016			▬														
Stakeholder Survey October 2016				▬													
Capabilities Workshop January 2017							★										
Enablers Workshop February 2017								★									
Public/Stakeholder Updates March – April 2017									▬								
Develop Future State Description May – June 2017											▬						
Define Initiatives July – Aug 2017													▬				
Develop Roadmap Sept – Oct 2017															▬		
Deliver Roadmap to State Leadership Early Nov 2017																	★

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President

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MASTER DATA MANAGEMENT REQUIREMENTS REVIEW

JIM YOUNKIN, CEDARBRIDGE GROUP



Carol Robinson – *Project Oversight*



Kate Kiefert – *Senior Consultant*



Jim Younkin – *Subject Matter Expert*



Pam Russell – *Subject Matter Expert*



- Acknowledgements
- Background
- Business Requirements
- Use Cases
- Functional Requirements
- Data Sources
- Data Elements
- Glossary

ACKNOWLEDGEMENTS



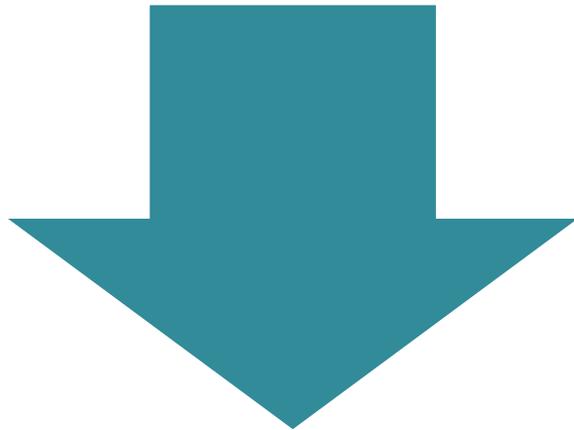
Governor’s Office of eHealth Innovation (OeHI)	Carrie Paykoc
Department of Public Health & Environment (CDPHE)	Steve Holloway
Office of Information Technology (OIT)	Bill Stevens
Department of Health Care Policy and Financing (HCPF)	Chris Underwood, Joel Dalzell, Micah Jones, Nathan Culkin
Colorado Regional Health Information Organization (CORHIO)	Morgan Honea, Kate Horle
Quality Health Networks (QHN)	Marc Lassaux
Colorado Community Managed Care Network (CCMCN)	Jason Greer, Chloe Bailey
Center for Improving Value in Health Care (CIVHC)	Dave Abernethy, Jonathan Mathieu, Tracey Campbell, Ana English

- Guiding Principles
- Phasing
- Objectives
- References



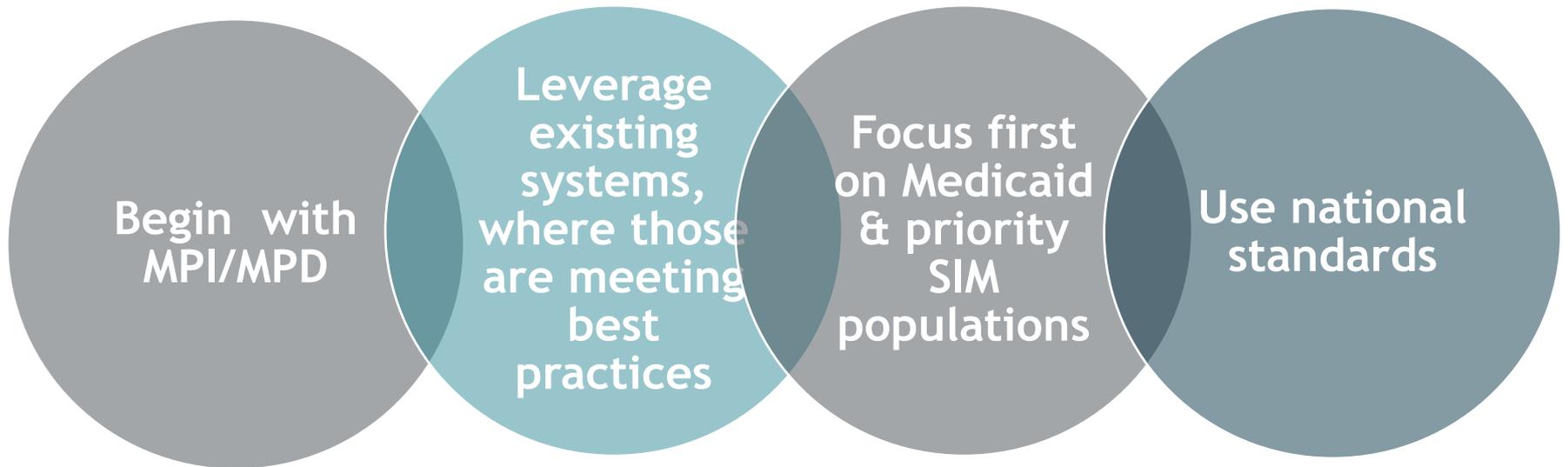
Increase/Improve:

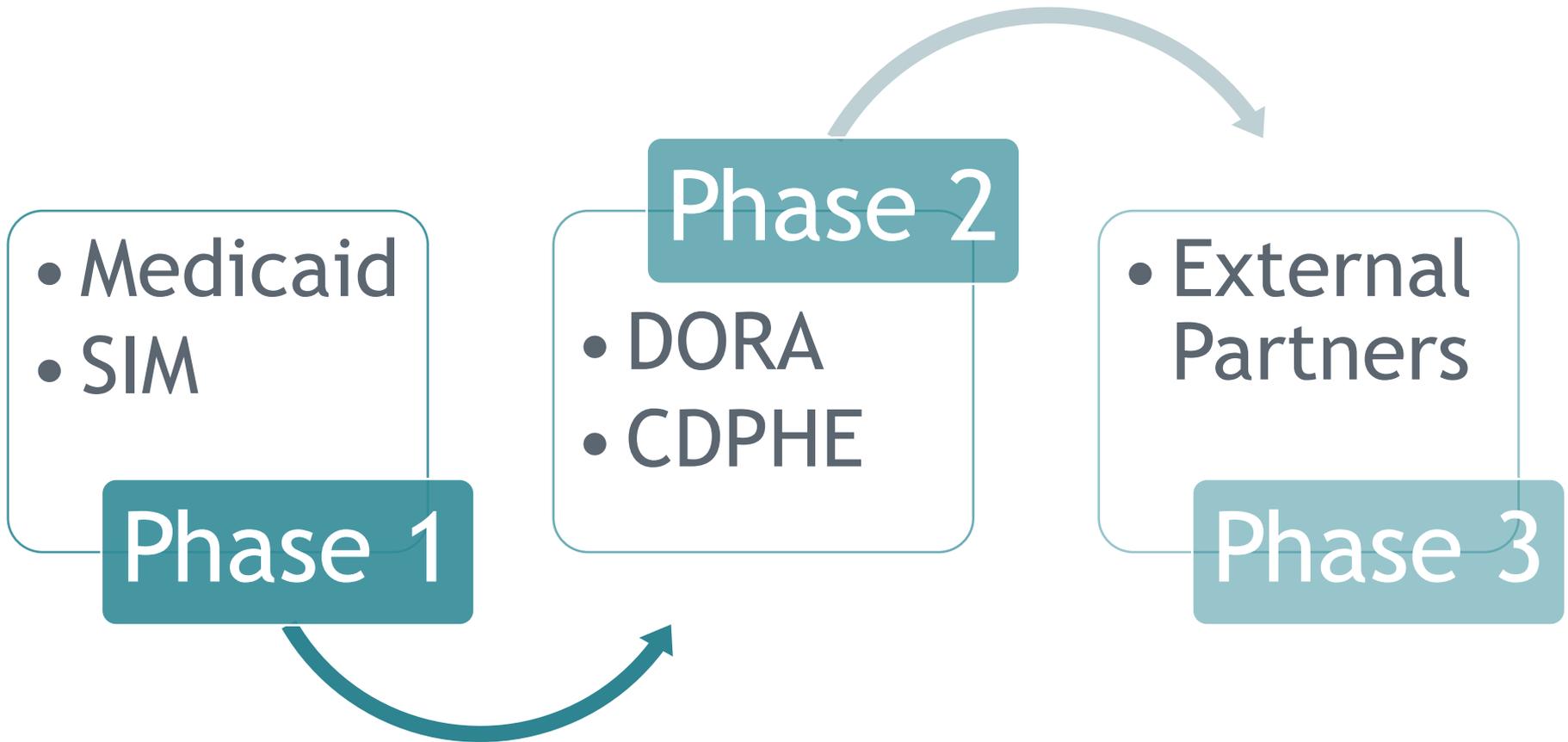
- information availability and interoperability within the State
- Information agility
- Information security



Decrease:

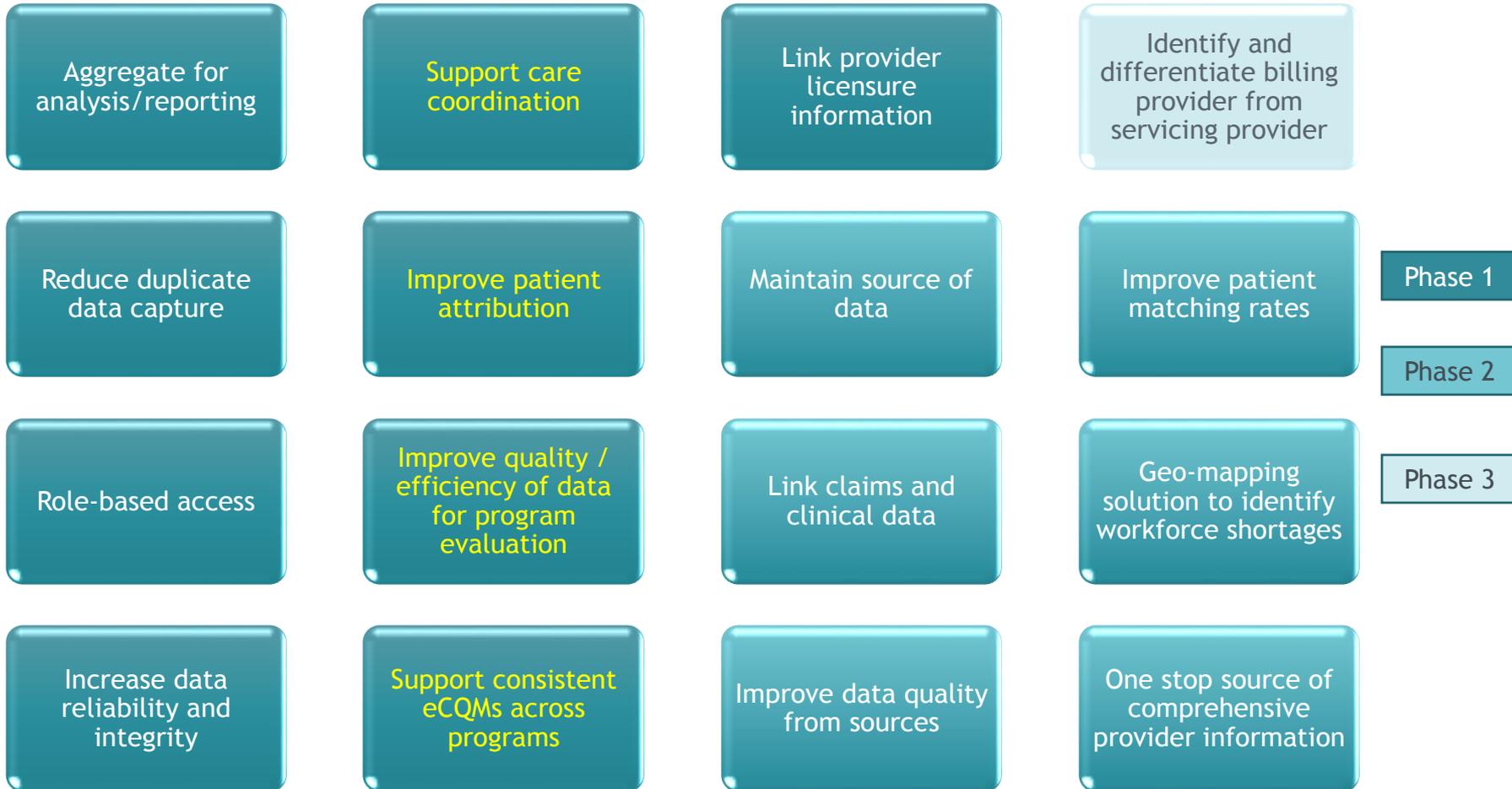
- Costs and redundancy



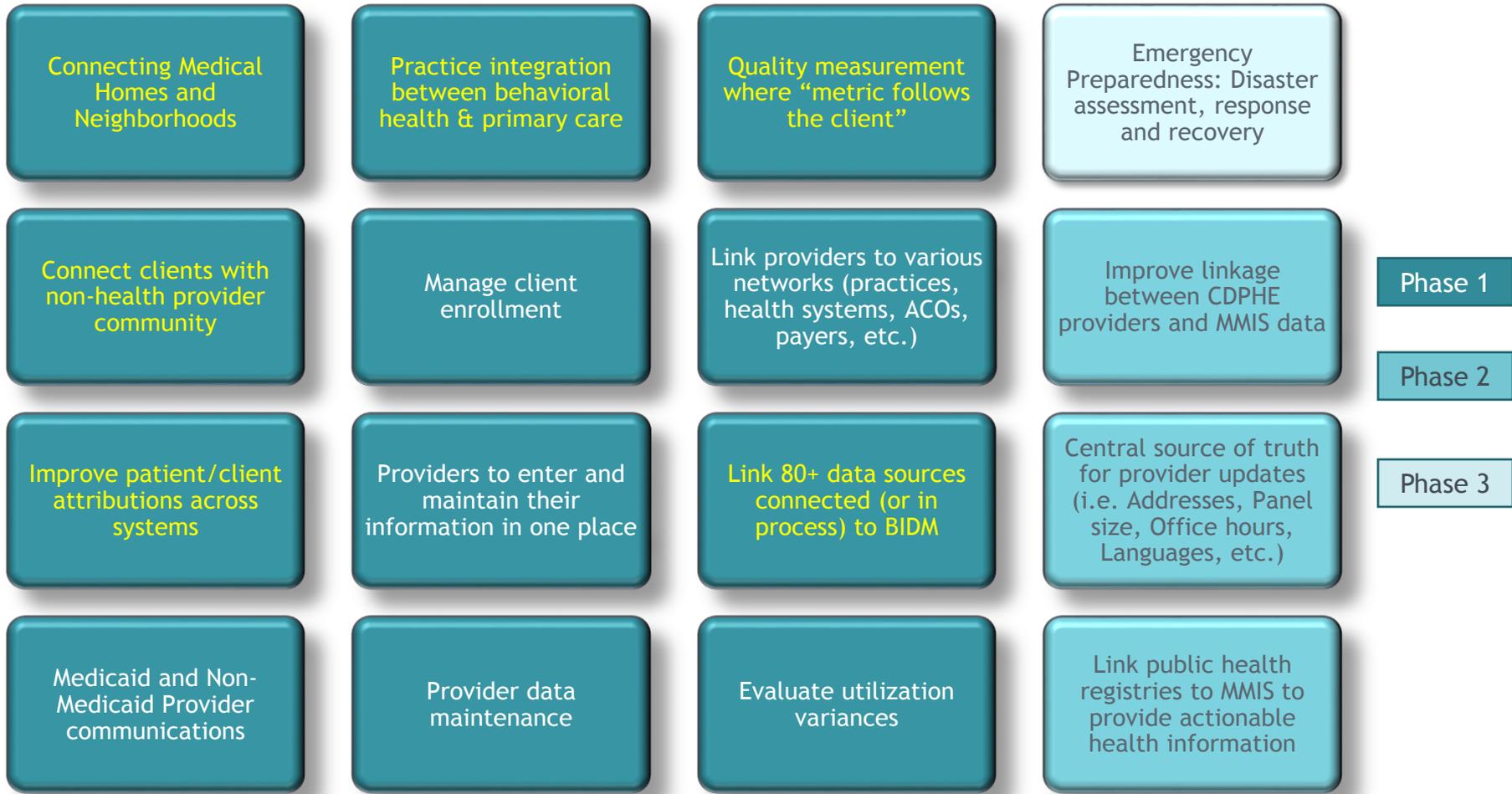


- Provider Directory Brief for the Colorado eHealth Commission
- Colorado Implementation Advanced Planning Document (IAPD) Update
- Master Patient Index Brief for the Colorado eHealth Commission
- Comprehensive State Health Information Management Strategy
- Provider directory work products of the Clinician Data Consortium

BUSINESS REQUIREMENTS SAMPLES



USE CASE SAMPLES



FUNCTIONAL REQUIREMENT SAMPLES



Data must be searchable, query-able, and integrate-able with other data sources

Unique identification information in the form of a “golden record”

Highly accurate, configurable matching engine to ensure matching accuracy

Entity Level and Individual Level Provider Directory

System must be secure, scalable, reliable and sustainable

MPD must support one-to-many linkages

Ability to interface with existing and future systems

Store individual encounter information at the MPI level

Record quality must be easy to review / verify against a generated reliability score

Systems should be agile and support a modular architecture

Capability to audit activity across entire system

Support an enterprise “common key” as well as separate, multiple MRNs

Ability to share MPI and store identifiers from other systems

Ability to accept data from disparate data sources

Digital certificate / public key discoverability

Ability to notify all systems when new patients are added

POTENTIAL DATA SOURCES

Phase One	Phase Two	Phase Three
<p>Medicaid Systems</p> <ul style="list-style-type: none"> • COMMIT: <ul style="list-style-type: none"> • MMIS, BIDM, PBMS, Online Provider Enrollment • Regional Care Collaborative Organizations (RCCOs) Systems <p>SIM: Potential Data Sources</p> <ul style="list-style-type: none"> • Primary Care Practice EHRs • Community Mental Health EHRs • Other provider systems • Hospital EHRs • HIEs and Other Data Sharing Networks • University of Colorado (QMRT) • Analytic Tools: Stratus, Prime, etc. • Claims data sources: CIVHC/APCD • Health Plans: Commercial, Medicaid, Medicare, State Employee Plans 	<p>Public Health Systems (CDPHE)</p> <ul style="list-style-type: none"> • Birth Registry (NEST) • Vital Information Systems (COVIS) • Immunization Information System (CIIS) • Colorado Electronic Disease Reporting System (CEDRS) • Cancer Registry • Performance of Routine Information System Management (PRISM) • AIDS Regional Information and Evaluation System (ARIES) • Public Health Lab System (LMIS) <p>National Plan and Provider Enumeration System (NPPES)</p> <p>State Systems (OIT/CDPHE/CDHS/HCPF):</p> <ul style="list-style-type: none"> • Colorado Benefit Management System (CBMS) • Child Protective Services System (CPS) <p>Dept. of Regulatory Agencies (DORA)</p> <ul style="list-style-type: none"> • Licensure Data 	<p>Additional Human Service Systems</p> <ul style="list-style-type: none"> • Colorado State Mental Health Institutes • Colorado TRAILS • Refugee Management System • Veterans' Nursing Homes • Others, as determined <p>Medicare Provider Enrollment, Chain, and Ownership (PECOS) System</p> <p>Dept. of Corrections</p> <ul style="list-style-type: none"> • Encounter EHR System • DOC e-Prescribing <p>Other Data Sources:</p> <ul style="list-style-type: none"> • Credentialing databases, local and national (e.g. CAQH) • AMA provider files • Commercial labs • Other multi-payer participants

- “Interoperability describes the extent to which systems and devices can exchange data, and interpret that shared data. For two systems to be interoperable, they must be able to exchange data and subsequently present that data such that it can be understood by a user.”*
- “Interoperability: Ability of a system or a product to work with other systems or products without special effort on the part of the customer. Interoperability is made possible by the implementation of standards.”**

* <http://www.himss.org/library/interoperability-standards/what-is-interoperability>

**http://www.ieee.org/education_careers/education/standards/standards_glossary.html



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QUESTIONS





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NEXT STEPS



WE LOOK FORWARD TO YOUR PUBLIC COMMENT!

- Visit <https://www.colorado.gov/pacific/hcpf/ehealth-commission>.
- Click on “Documents for Public Comment” near the bottom of the page.
- Click on the “Master Data Management Requirements” document and download a copy (Word and PDF versions available).
- Make comments within the Word document, or within an Excel document with reference to the requirement number.
- Submit your comments to RFPQuestions@state.co.us.



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**PATIENT-CENTERED DATA HOME AND
ADMIT, DISCHARGE, AND TRANSFER
MESSAGE EXCHANGE**

MORGAN HONEA, CORHIO



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PUBLIC COMMENT



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CLOSING REMARKS, NOVEMBER AGENDA, AND ADJOURN

MICHELLE MILLS

Call to Order

Roll Call and Introductions

1:00

Approval of October Minutes

November Agenda and Objectives

Announcements

OeHI Updates

SIM HIT Updates

Grant Opportunities, Workgroup Updates, Announcements

Proposed New Business

1:15

Colorado Health IT Roadmap Steering Committee

Laura Kolkman and Bob Brown, Mosaica

Other Items?

Public Comment Period

2:35

Open Discussion, December Agenda, Closing Remarks, and Adjourn

2:45

Topic	Presenter	Potential upcoming meeting date
ONC Standards	Kate Kiefert	11/9/2016
TeleHealth Initiatives	Spark Policy or CTN	TBD
Bandwidth in Rural Areas	Brian Shepherd (OIT)	TBD
CDPHE Provider Directory	Steve Holloway (CDPHE)	TBD