



Nevada

State Innovation Model (SIM)

HIT Taskforce

June 24, 2015

Nevada Department of Health and Human Services
Division of Health Care Financing and Policy

Agenda

- Introductions
- CMS Technical Assistance Update
- Data Asset Inventory Questionnaire
- CMS SIM HIT Plan Guidance
- Example Measure Walk Through
- Possible Approach
- Discussion
- Wrap Up and Next Steps

CMS Technical Assistance Update

- Requested best practices and approach utilized by other states
 - Preliminary call with CMS
 - Offered Oregon, Oklahoma, and Colorado as noteworthy
 - Call scheduled with Oregon/others to follow
 - CMS reminded that the “solution” will take time and evolve

CMS HIT Plan Guidance

- State Health System Innovation Plan (SHSIP) must contain an HIT Plan
- HIT considered a fundamental infrastructure support transformation
- CMS released guidance June 3, 2015 for SIM HIT Plan Completion

CMS HIT Plan Guidance

- CMS defines “SIM HIT Needs” as health information technology:
 - Solutions
 - Processes
 - Architecture
 - Infrastructure

Necessary to develop and then execute the transformation activities described in the state’s innovation plan.

CMS HIT Plan Guidance

- Designed to:
 - *Support the development of the state's health IT components of the innovation plan*
 - *Assist the state in implementing and utilizing health IT to support the innovation plan*

CMS HIT Plan Guidance

- Health IT Components to Address
 - Overarching Information Needs
 - Overarching Data Needs
 - Overarching Health IT Needs
 - Governance
 - Policy
 - Infrastructure
 - Technical Assistance

Example Measure Walk Through

- Improve population health through improved control of diabetes
- Measure Description- The percentage of the population 18-75 years of age with diabetes (Type 1 and Type 2) who have Hemoglobin A1c (HbA1c) level at or below 7%

Information Needs

- Measure control of diabetes
 - State level
 - Provider level
 - Payer Level
- Identify disparities
 - Race, gender, age, geographic location, etc.
- Link outcomes to payment
- Population health analysis

Example Measure Walk Through

- Numerator: Count of patients with HbA1c test results $\leq 7\%$
- Denominator: Count of population ages 18-75 years of age as of December 31st of the measurement year who had a diagnosis of diabetes (type 1 or type 2) and Nevada resident for a minimum residency period within the measurement period

Example Measure Walk Through

- Numerator components:
 - Population Information- residents of NV for a minimum residency period within the measurement period
 - Demographics – age, gender, race, ethnicity, geographic area, payer type, household income, etc.
 - Lab value- Hemoglobin A1C

Example Measure Walk Through

- Numerator Data Sources
 - HbA1C Value
 - Health Information Exchange
 - Electronic Health Records
 - Laboratory Systems
 - Paper Charts
 - Personal Health Record?
 - Other?
 - Payer Eligibility
 - Eligibility Transaction?
 - Demographics
 - Payer Data? State Databases? Other?

Example Measure Walk Through

- Denominator
 - How do you identify a person with diabetes?
 - Claims data (CPT, UB, ICD-9CM)
 - Outpatient – hospital, physician, etc.
 - Non-acute Inpatient
 - Acute Inpatient
 - Emergency Department
 - Pharmacy claims (NDC or J-Code)
 - Exclusions (ICD9-CM)
 - Polycystic Ovarian Syndrome
 - Gestational Diabetes
 - Steroid Induced Diabetes
 - Various combinations of above

Summary Data Needs

- Residency data
- Demographic Data
- Income Data
- Payer Eligibility
- Medical claims data (CPT, UB, ICD-9CM)
- Pharmacy claims (NDC or J-Code)
- Health Information Exchange
- Other? (Personal Health Record, etc.)

Health IT Infrastructure Needs

- What health IT infrastructure is needed to support data at the source, transport, store, retain, analyze, disseminate, and use data?
 - Hardware, software, systems integration, connection, etc.

Health IT Needs

- What must be addressed?
 - Authority
 - Governance
 - Policy/legal agreements
 - Technical architecture
 - Business and technical operations
 - Financing
 - Sustainability

Possible Approach

Current through
November 2015

- Data Asset Inventory
- Definition of High Level Business Needs
- Develop Conceptual Model of Desired Solution
- Identify Ownership, Roles, Responsibilities, and Organizational and Governance Structure for Population Health Information System

February 2016
through October
2016

- Develop and Release Request for Information (RFI) Requesting Potential Vendor Feedback on Conceptual Model and Potential Solution
- Refine Model
- Identify Funding Sources and Sustainability
- Release Request for Proposals for SIM HIT Technical Solution

November 2016
through June 2017

- Evaluate Proposals and Negotiate Solution Contract with Vendor
- Design, Development, and Implementation

DHHS, DHCFP - Nevada State Innovation Model (SIM) Project

Prepared by Myers and Stauffer



Current through
November 2015

- Data Asset Inventory
- Definition of High Level Business Needs
- Develop Conceptual Model of Desired Solution
- Identify Ownership, Roles, Responsibilities, and Organizational and Governance Structure for Population Health Information System.



February 2016
through October
2016

- Develop and Release Request for Information (RFI) Requesting Potential Vendor Feedback on Conceptual Model and Potential Solution
- Refine Model
- Identify Funding Sources and Sustainability
- Release Request for Proposals for SIM HIT Technical Solution



November 2016
through June
2017

- Evaluate Proposals and Negotiate Solution Contract with Vendor
- Design, Development, and Implementation

Discussion