Utah Health Information Technology Strategic Plan
2016-2020

A Collaborative Planning Document

By

Utah Digital Health Service Commission (UDHSC)
Comagine Health – Utah
Utah Health Information Network (UHIN)
Utah Partnership for Value-driven Health Care (UPV)
Utah Department of Health (UDOH)

August 2016
Updated July 2018
Updated July 2019
Health and Health Information Technology (IT) Visions

Our statewide health vision is for Utah to be a place where all people can enjoy the best health possible, where all can live and thrive in healthy and safe communities. [https://health.utah.gov/](https://health.utah.gov/)

Our statewide vision for health IT is for Utah to be a place where the secure and efficient use and exchange of electronic health information will result in improved health status, better health care, lower cost and healthier communities.

Health IT Guiding Principles

Utah has made significant progress in adoption electronic health records (EHR) and clinical health information exchanges (HIE) since 2005. In 2016-2020, Utah will move forward under following guiding principles:

- Continue to foster statewide collaboration with all partners
- Leverage the market and existing HIT infrastructures
- Encourage interoperability and portability across care settings through multi-level or modular advancements
- Protect privacy and security in all aspects of IT and its uses
- Enhance consumer engagement
- Share meaningful health information among learning health systems to ensure innovation, quality, safety and value in health care.
- Using health IT to strengthen health of individuals, families, communities and add value to Utah’s economy.

State HIT Plan History

- 2013 – State Innovation Model Grant funded planning for statewide IT initiatives. Commission’s chair co-chaired these efforts
- 2015 – Commission updated the Utah Health IT Vision, Principles and Priorities
- 2016 – the Commission led the developed and oversight of the first Utah’s Health IT Strategic Plan (2016-2020) as well as Performance measures
- 2017 – Updated State HIT plan to align with ONC National HIT Strategic Plan
- 2018 – Updated plan with current and potential projects and established goal review and measurement dashboard cycle.
  - January - Goal deep dive
  - March – Review dashboard and plan changes
  - May – Goal deep dive
  - July - Vote on plan changes, Goal deep dive
  - August – UDOH presents HIT plan to Medicaid for inclusion in Medicaid updates
  - September – Review dashboard
  - November - Goal deep dive
- 2019-Reviewed each goal, objective, and project
Priority Framework for Health IT

Utah health IT priority is to improve system interoperability and portability to support integration of physical and behavioral health care and improve population health for all Utahans.

The Priority Framework of Health IT for Population Health and a Statewide Learning Health System in Utah (See Figure 1) describes the relationship of various health IT components, health data uses and statewide initiatives as follows:

- The left pyramid includes core IT applications that were identified in our statewide IT architecture design for 2009-2014 efforts.
- The Health IT systems provide information services for multi-level information uses ranging from care provided in medical home, neighborhood and communities to patient registries, value-based health systems, as well as public transparency reporting (the right pyramid).
- Interoperability and portability are key functions among all IT applications and infrastructure, services, and connections to health data users.
- Health IT must support an integrated collaborative learning health system.
- Health IT must improve efficiency of health promotion and enhance health IT literacy and training.

Education

Members of the Digital Health Service Commission will consider a process to help inform and better prepare both the public and health care providers on how to more fully access and use these resources that result from the plan projects.
Utah Health IT Status:
Below is summary information on Utah statewide health IT performance in comparison with the national average. The data source for these indicators is from the web site of U.S. Department of Health and Human Service National Office of Coordinator for Health IT at http://healthit.gov.

Utah Health IT Status and Alignment with the Office of the National Coordinator in 2018
The national direction for Health Information Technology advances interoperability and encourages provider connectivity with others as a core metric in the 2018 CMS Quality Payment Program (QPP). “Promoting Interoperability (PI)” focuses on “interoperability, improving flexibility, relieving burden”. See https://qpp.cms.gov/mips/promoting-interoperability.

As of Summer 2018 the initial submissions to the QPP by providers for 2017 are final and we anticipate high-level if not state by state benchmarks on participation. This document will be updated as national benchmarks occur to further inform Utah’s participation and any gaps that may be addressed by the State HIT plan.
Utah Health IT Summary

This table shows how Utah compares to the national average on measures of HIT adoption and utilization that have been updated within the past two years. Data was obtained from the Office of the National Coordinator (https://dashboard.healthit.gov/apps/health-information-technology-data-summaries.php). While Utah appears to be performing well regarding hospital adoption of health IT, office physician adoption of health IT appears to be lagging.

<table>
<thead>
<tr>
<th>Domain</th>
<th>Setting</th>
<th>Measure</th>
<th>Year</th>
<th>Natl Avg</th>
<th>Utah</th>
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<td>65%</td>
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Utah Health IT Strategic Goals and Objectives in 2016 - 2020:

**GOAL 1: ADVANCE THE HEALTH AND WELL-BEING OF INDIVIDUALS AND COMMUNITIES THROUGH PERSON-CENTERED AND SELF-MANAGED HEALTH**

**OBJECTIVES:**
1A. Increase use of individual health information for engagement and shared decision making as part of the team – Enable individuals to understand and act upon available cost and quality information
1B. Advance individuals’ abilities to “access, control and amend” their health information
1C. Increase adoption and use of patient portals and consumer-focused HIT
1D. Promote patient education and use of HIT tools for wellness and self-care
1E. Increase effective patient/consumer-mediated and generated exchange
1F. Advance individual’s access to and appropriate sharing of public health data

**GOAL 2: STRENGTHEN HEALTH CARE DELIVERY TRANSFORMATION**

**OBJECTIVES:**
2A. Increase HIT functions to support transparency of and access to quality and cost information at the community and provider level to improve care
2B. Increase implementation of HIT functions to support innovative models of care that promote high-value health care – Medical Home, ACOs, Telehealth
2C. Increase use of electronic quality improvement tools and measurements that support provider adherence to evidence-based guidelines, improved outcomes and reduced waste
2D. Support the use of health IT to help providers and communities to better serve high-risk individuals and populations

**GOAL 3: ENHANCE UTAH’S INTEROPERABLE HEALTH IT INFRASTRUCTURE**

**OBJECTIVES:**
3A. Endorse basic guidelines for HIT standards that align with and strengthen national certification requirements, including interoperability, to increase effective health information exchange
3B. Protect privacy and security of electronic health information by increasing adherence to federal electronic health information security guidelines in independent facilities and practices
3C. Increase functionality and effectiveness of state-wide HIE (CHIE) and support increased connections with other data sources including integrated delivery systems (IDS), HIEs, and providers.
3D. Increase ability to exchange public health information with providers through various exchange methods to improve population health
3E. Develop governance, access, and support for health data to be made available for analysis and use
3F. Increase Utah’s influence on the national forums related to effective delivery of care through HIT
3G. DHSC will attend conferences to promote interoperability work.

**GOAL 4: SUPPORT INNOVATION AND APPLIED RESEARCH TO EFFICIENTLY IMPLEMENT STATEWIDE HEALTH IT INITIATIVES**

**OBJECTIVES:**
4A. Promote collaborative innovation and research to advance implementation, utilization and improvement of health IT in public, private and academic settings
4B. Broaden statewide partnership and engagement in implementing the Utah HIT strategic plan
4C. Disseminate evidence-based best practices to enhance statewide adoption of technology solutions
Definitions of ACTIONS:

**Expansion** - A project currently implemented but needing to expand to a larger audience or expand services.

**Gap** - No identified state level activities.

**Implementation** - A project that has designated resources and defined scope and is in progress.

**Needs resources** - A project that has been either planned and/or implemented but needs additional resources to move forward.

**Planning** - A project in concept development but lacks resources to advance to implementation or expansion status.

Descriptions of Projects/Strategies:

**PROJECTS FOCUSED ON PATIENT KNOWLEDGE AND INVOLVEMENT**

- **APCD (Price Transparency) & NRHI Total Cost of Care**
  
  **Action:** Implementation  
  **Primary:** UDOH- OHCS, Comagine Health  
  **Goals/Objectives Supported:** 1A, 2A  
  To increase transparency reporting on healthcare quality and cost using the All Payer Claims Data or Total Cost of Care Data. (Baseline online report = 2; Baseline online query tool = 2)

- **UtahHealthScape.org (Transparency for Consumers)**
  
  **Action:** Implementation  
  **Primary:** Comagine Health, UDOH- OHCS  
  **Goals/Objectives Supported:** 1A, 2A  
  UtahHealthScape.org provides health care consumers with resources to support informed decision-making. UtahHealthScape provides a directory of providers and clinics and quality ratings for hospitals, health plans, nursing homes, and home health agencies, along with other valuable information.

- **Comagine Health’s Patient & Family Advisory Council and state-wide PFAC Consortium**
  
  **Action:** Expansion  
  **Primary:** Comagine Health  
  **Goals/Objectives Supported:** 1A, 1C  
  Comagine Health’s Patient & Family Advisory Council (PFAC) helps us better understand the health care system from the patient’s viewpoint. Patients, families and caregivers participating in the PFAC share their personal stories and health care experiences. This patient input is important in influencing how we design our projects to make our health care system better. We believe that patient wisdom is a "must have" factor in improving health care. Comagine Health convenes patient and family advisories throughout the state and HIT is a topic of interest, specifically Open Notes and portal use, for engagement and efficiency of care.

- **ePOLST Analysis and Implementation**
  
  **Action:** Planning/Needs Resources  
  **Primary:** UDOH, UHIN  
  **Goals/Objectives Supported:** 1A, 1B, 1C  
  **Started:** 10/2017  
  Consensus built stakeholder recommendations on how to move forward in establishing an ePOLST registry, supporting the registry and implementing it throughout the state.

- **Planning project for 1D - Promote patient use of HIT**
  
  **Action:** Gap  
  **Primary:** UDOH
Goals/Objectives Supported: 1D
Recognize gap. No current activity at this time.

• Planning project for 1E - Consumer-mediated/generated exchange
  Action: Expansion  Primary: UHIN
  Goals/Objectives Supported: 1E
  Started: 11/2015
  CHIE has a limited pilot on the patient portal with planned expansion.

• CHIE Patient Portal
  Action: Expansion  Primary: UHIN
  Goals/Objectives Supported: 1A, 1B, 2C
  Started: 11/2015
  This is an ONC grant item that created a patient portal that has access to the CHIE and allows for patient to share information with their provider. Planning to add ePOLST and Pediatric Care Summary data for patient access. Future roadmap items include benefit information, immunizations and care plans.

• Open Notes Campaign
  Action: Expansion  Primary: UPV-Comagine Health, UHIN, UHIMSS
  Goals/Objectives Supported: 1A, 1B, 1C, 1E, 3C
  Started: 11/2017
  Open Notes is a movement that urges doctors, nurses, therapists, and others to invite patients to read the notes they write to describe a visit through sharing from an electronic health record portal. Utah has a number of systems using electronic health records that can make notes available. Initiatives to increase patient awareness and use can impact patient safety as well as trust between providers and patients. Goal is to increase participants in the Open Notes Initiative.

• Patient Consent
  Action: Planning  Primary: UHIN
  Goals/Objectives Supported: 1A, 1C, 1E, 2B, 3C
  Started: 9/2011
  Develop patient consent tools for consent designation for sharing information across HIPAA and non-HIPAA providers.

• Utah Department of Technology Services Digital Citizen Integration Project.
  Action: Planning  Primary: DTS
  Goals/Objectives Supported: 1A, 1C, 1F
  Develop single sign on for citizens to access state services and records related to them. Result of SB 137 (2019)

PROJECTS FOCUSES ON HEALTH CARE DELIVERY TRANSFORMATION

• Provide Support for Quality Reporting (PQRS, MU, MACRA)
  Action: Implementation  Primary: Comagine Health and UHIN
  Goals/Objectives Supported: 1C, 1A, 2B
  Started: 1/2009
Comagine Health gives quality improvement support to Utah physician offices and hospitals on reporting and improving quality measures. Specific emphasis on the Quality Payment Program (QPP), Accountable Care Organizations (ACOs), other Alternative Payment Models (APMs), behavioral health care and Ambulatory Surgical Center care are a focus for improvement efforts and improving outcomes. UHIN is working with providers to meet Promoting Interoperability (previously Meaningful Use) requirements and assist with criteria for QPP and is evaluating whether to assist members with reporting.

- **GetHealthyUtah.org (Population Health)**  
  **Action:** Implementation  
  **Primary:** Utah Leaders for Health  
  **Goals/Objectives Supported:** 2B, 2C, 2D  
  To improve the health of all Utahns by supporting healthy eating and active living in order to associated health consequences.

- **Death Notifications**  
  **Action:** Expansion  
  **Primary:** UDOH  
  **Goals/Objectives Supported:** 2B, 2D  
  To develop timely notifications of deceased patients or members to providers and payers for them to improve their population health data.

- **Long-Term/Post-Acute Care Summary Exchange**  
  **Action:** Expansion  
  **Primary:** UHIN  
  **Goals/Objectives Supported:** 2B, 3C  
  **Started:** 11/2015  
  This is an ONC project intended to exchange CCD documents between hospital and long term care providers. The pilot effort included Avalon and Intermountain Healthcare. The expansion effort is to include all LTCs and Hospitals.

- **Dashboards (HIT, NQF, Monarch) for Geographic Quality Analysis**  
  **Action:** Expansion  
  **Primary:** UHIN, UDOH  
  **Goals/Objectives Supported:** 2C, 2D  
  **Started:** 12/2015  
  This project intends to provide hot spotting to providers for their patient panels and for public health reporting. There are currently 36 measures contained in the system.

- **Adult Immunizations - increase rates (flu, pneumonia)**  
  **Action:** Implementation  
  **Primary:** Comagine Health, UDOH-USIIS  
  **Goals/Objectives Supported:** 2C  
  Working with organizations to help improve the assessment and documentation of Medicare beneficiaries’ immunization status, increase overall immunization rates and reduce immunization disparities.

- **Comagine Health's Quality Awards Program**  
  **Action:** Expansion  
  **Primary:** Comagine Health  
  **Goals/Objectives Supported:** 2B, 2C  
  The Comagine Health Quality Award Program was launched in 2004 to promote high quality and transparency in health care. Yearly awards are given to Utah health care provider organizations based on standardized criteria (including Health IT) in the following areas:
  - Home Health
• Hospital
• Nursing Home
• Physician Office

• ADT Alerts for reducing admissions and readmission
  Action: Expansion  Primary: UHIN
  Goals/Objectives Supported: 2B, 2D, 3C
  Started: 9/2013
  Encounter Notification Services for the community and pushing those to different endpoints to rural and out of state providers.

• Clinical information exchange among public health, EHRs, and HIE
  Action: Expansion  Primary: UDOH-DCP, UHIN
  Goals/Objectives Supported: 2A, 2C, 3D
  Started: 1/2009
  To expand clinical data exchanges between HIE, EHRs and public health programs to support population health improvements (Baseline on operational use cases = 3, Immunization, EHR, and Syndromic Surveillance). Expanding to Newborn Screening and planning for cancer registry.

• Obesity & Diabetes Population Health
  Action: Implementation  Primary: UDOH, UHIN
  Goals/Objectives Supported: 2B, 2C, 2D
  Started: 12/2015
  Baseline measures of obesity and diabetes using clinical data stream are obtained from the CHIE.

• COB Database - Payer coordination
  Action: Planning  Primary: UHIN
  Goals/Objectives Supported: 2Ac
  Started: 1/2014
  Working with community payers to improve the Coordination of Benefits. Updating Process with new APCD Vendor

• Fall Prevention Initiative
  Action: Planning/Needs Resources  Primary: UDOH, UHIN
  Goals/Objectives Supported: 2B, 2D, 3C
  Started: 9/2017
  This initiative is based on legislative interest. It is to explore using EMS data to identify and alert providers/Aging Services on patients with the potential for falls so that they can follow up. This project also entails exploring ability to share information with social services agencies.

• Shared Care Plan
  Action: Planning  Primary: UDOH, UHIN, UHPP
  Goals/Objectives Supported: 2B, 2D, 3C
  Started: 10/2017

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This project is to enable sharing of care plans across disparate providers to enhance care coordination. This includes behavioral health care plans and referrals for vulnerable populations.

- **Home Health Hub**  
  Action: Planning/Needs Resources  
  Primary: UDOH, UHIN  
  Goals/Objectives Supported: 2B, 2D, 3C  
  Started: 2/2018  
  Using HIT for Home Health Orders to increase timeliness of care. Would allow for electronic signatures on orders.

- **Social Service Referrals – Addressing social determinants in healthcare**  
  Action: Planning  
  Primary: UDOH, UHIN, United Way  
  Goals/Objectives Supported: 2B, 2D, 3C  
  Started: 9/2018  
  Have assessments in primary care and developing the ability of primary care to refer to 211 and then having the referral report back to the provider through the CHIE.

- **Pharmacy integration medication reconciliation**  
  Action: Planning  
  Primary: UHIN, Comagine Health  
  Goals/Objectives Supported: 2B, 2D, 3C  
  Started: 1/2009  
  Integrating pharmacy data into the CHIE for medication reconciliation of non-controlled substance medication.

- **State telehealth capacity for primary care and public health service delivery**  
  Action: planning  
  Primary: UDOH EPICC and MCH  
  Goals/Objectives Supported: 2D  
  Assess capacity and needed development for delivery of health care services via telehealth, focused on primary care at this time. UDOH EPICC’s workplan activities include working towards establishing and expanding the use of telehealth technology to increase access to DSMES programs. Additionally staff are working with LHDs to conduct an inventory of current providers using telehealth mechanisms to provide DSMES and/or diabetes education services and explore systems/software and equipment necessary for providing DSMES telehealth services. UDOH MCH  
  Has a telemental health pilot contract with the University of Utah that will be extended with some legislative funding. UDOH also has a statewide safety bundle initiative that is being implemented through Project ECHO

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**PROJECTS FOCUSED ON ENHANCING UTAH’S INTEROPERABLE HEALTH IT INFRASTRUCTURE**

- **Rural Community Connectivity to CHIE**  
  Action: Implementation  
  Primary: UHIN  
  Goals/Objectives Supported: 2B, 2D, 3C  
  Started: 1/2009  
  Increase usage and participation in the CHIE. There has been much progress on this. There are four rural hospitals that still need to connect.
• Bi-directional Immunization Query through CHIE
  Action: Implementation  Primary: UHIN, UDOH-USIIS
  Goals/Objectives Supported: 3C, 3D
  Started: 1/2009
  CHIE and the Utah Statewide Immunization Information System (USIIS) will develop a bi-
  directional immunization query through CHIE for CHIE providers to query USIIS for patient
  immunization histories.

• EMS Integration exchange with CHIE
  Action: Implementation  Primary: UHIN
  Goals/Objectives Supported: 3C
  Started: 11/2015
  Create an interface for EMS providers to query for information from their patients.

• Patient Centered Data Home - Multi-HIE Connections
  Action: Implementation  Primary: UHIN
  Goals/Objectives Supported: 3C
  Started: 1/2016
  In production with 16 states including Alabama, Arizona, Arkansas, California, Colorado, Idaho, Indiana, Kentucky, Michigan, Nebraska, Nevada, Ohio, Oklahoma, Oregon, Tennessee, and Washington. In process with 5 additional states including Alaska, Iowa, Louisiana, North Dakota, and Texas.

• Poison Control Center Data Integration
  Action: Implementation  Primary: UHIN, UDOH
  Goals/Objectives Supported: 3C
  Started: 11/2015
  This is to get records in the hands of poison control to facilitate continuity of care. This project
  will work towards all referred hospitals receiving intake information gathered from the Poison
  Control center as well as follow up information sent back to the Poison Control Center for
  training and quality assessment. This is an expanded project from the initial work with St.
  Marks and Intermountain.

• The Shared Identity Services for Utahns (ThSisU) / Statewide MPI
  Action: Implementation  Primary: UDOH, Comagine Health, UHIN, Intermountain
  Goals/Objectives Supported: 1E, 3A, 3D, 3E
  Started: 7/2015
  To develop a statewide and community-based identity validation services for improving quality
  of health services and reducing abuse, misuses, and cost. (Baseline = 0)

• EHR, HIE connections to the Controlled Substance Database
  Action: Implementation  Primary: DOPL, UDOH, UHIN
  Goals/Objectives Supported: 3B, 3C, 3D
  Started: 11/2017
  To develop connectivity among the Utah Controlled Substance Database (CSD) with EHRs, the
  CHIE, pharmacies to increase and improve the uses of CSD for reducing the opioids overdoses
  prescriptions and deaths. (Baseline = 0)
- **UHIN HIT Conference**  
  **Action:** Implementation  
  **Primary:** UHIN  
  **Goals/Objectives Supported:** 2D, 3A, 3B, 3F, 4A  
  **Started:** 11/2017  
  Annual educational community-based conference.

- **CHIE Adoption**  
  **Action:** Expansion  
  **Primary:** UHIN  
  **Goals/Objectives Supported:** 2B, 3C  
  **Started:** 1/2009  
  Increase the usage and participation in the CHIE.

- **CHIE Connections**  
  **Action:** Expansion  
  **Primary:** UHIN, UDOH  
  **Goals/Objectives Supported:** 3C  
  **Started:** 11/2015  
  Improved CHIE with behavioral health providers, SNF Home Health and EMS.

- **Statewide Stroke and Cardiac Registries**  
  **Action:** Planning  
  **Primary:** UHIN, UDOH, Health Insight  
  **Goals/Objectives Supported:** 3C, 3D  
  **Started:** 1/2018  
  These new registries are required by recent legislation. UDOH is exploring utilizing UHIN to receive hospital reporting to the statewide stroke and cardiac registries through CHIE.

- **Statewide Standards for Data Quality**  
  **Action:** Planning  
  **Primary:** UHIN, UDOH, Health Insight, ThSisU  
  **Goals/Objectives Supported:** 2A, 3A, 3E, 4A  
  **Started:** 1/2009  
  Establish and implement standards for health data exchanges, building on ONC’s standards. Deploy tools to clean data for analytics.

- **HIE for Newborn Screenings and Follow up**  
  **Action:** Implementation  
  **Primary:** UDOH, UHIN  
  **Goals/Objectives Supported:** 1A, 2B  
  **Started:** 11/2015  
  To develop capacity to exchange newborn screening results and follow-up diagnostic reports between public health and providers via CHIE (Baseline = 0).

- **Physical and Behavioral Health Interoperability (electronic exchange - PCP to BH and BH to PCP)**  
  **Action:** Expansion  
  **Primary:** UHIN  
  **Goals/Objectives Supported:** 1A, 2B  
  **Started:** 8/2016  
  This project intends to exchange needed healthcare information between behavioral health and physical health providers. As of August 2016, UHIN is working with pediatric groups at Granger and the University Neuropsychiatric Institute. UHIN is piloting the updated SAMHSA consent with adult groups at Davis Behavioral Health.
Use of EHR and/or PCORnet data for chronic disease surveillance by public health
Action: Planning Primary: UDOH-DCP, CHDI, UHIN Intermountain, University of Utah
Goals/Objectives Supported: 2c, 3D, 3E
Started: 6/2018
The Bureau of Health Promotion within DCP has been evaluating the efficacy of EHR data for chronic disease surveillance and informing public health intervention and prevention efforts. The plan is to evaluate the PCORnet Common Data Model as a potential data model for statewide chronic disease surveillance, specifically hypertension and diabetes. UDOH collaborates with the Intermountain and the University of Utah's academic clinical databases (“PCORnet” Projects) to assist UHIN to develop a PCORnet compatible database and enable clinical information exchange among the three PCORnet’s nodes. Initial clinical information to be exchanged is related to hypertension and hypertension-related diseases. This initiative is to support the Utah Governor’s Legacy Project to reduce uncontrolled hypertension in Utah. Data sharing agreements have been completed and they are working on a one-time data transfer for the evaluation.

Development of system to implement Medical Cannabis, including inventory control system, pharmacy, and electronic verification
Action: Implementation Primary: UDOH-Center for Medical Cannabis
Goals/Objectives Supported: 2D, 3D
The Center for Medical Cannabis is working on an RFP that will address the multiple needs to implement Medical Cannabis through an interoperable system.

Development of Controlled Substance Database dashboards including a provider, patient, and public dashboard
Action: Implementation Primary: UDOH, DOPL
Goals/Objectives Supported: 2D, 3D
UDOH is working with DOPL to create dashboards to inform providers of patient history with opioids, opioid/benzodiazepine combinations, and their own prescribing practices. They are also creating a public dashboard to identify hotspot areas.

Utah Partnership for Value
Action: Expansion Primary: Comagine Health
Goals/Objectives Supported: 4A, 4B
The Utah Partnership for Value-driven Health Care (UPV) operates under a collaborative, member-driven process. Partners come to the table to identify needed changes to the health care system. The work of the UPV is accomplished through member-led workgroups related to topics and initiatives identified by the collaborative.

Provider Directory
Action: Implementation Primary: UHIN, UDOH-HIP
Goals/Objectives Supported: 4A
Started: 11/2015
To develop interoperable health professional directories among providers, payers, HIE and UDOH to support secured message exchanges, patient-provider mapping, clinic-level intervention, etc. (Baseline = 0)
• **Stakeholder Engagement (ie. Indian Health)**
  Action: Implementation Primary: UHIN, UDOH, Tribal Epidemiology Centers
  Goals/Objectives Supported: 4B
  Started: 9/2011
  Improved connections for Indian Health providers for information exchange and population health management.

• **Partnering for Better Health Research Conference**
  Action: Need Resources Primary: Comagine Health
  Goals/Objectives Supported: 4A
  Intermountain Healthcare, Comagine Health, University of Utah Center for Clinical and Translational Sciences, and Community Faces of Utah host an innovative conference to improve UT patient engagement and patient centered outcomes research. Participants will engage in breakout sessions to address health sciences research questions as well as provide community member input into research design, inquiry and ongoing participation.

• **Highlights of ongoing transparency, quality or research projects or All Payer Claims Database (APCD) use cases (e.g., UDRC)**
  Action: Implementation Primary: UDOH
  Goals/Objectives Supported: 4A
  Yearly showcase events, products or publications highlighting new transparency, quality, or research projects. The Office of Healthcare Statistics shares new or updated uses of APCD data.

**Measures**

The Digital Health Service Commission will establish measures and a reporting dashboard to review progress on the projects in this plan.
Appendix A – Acronym List
ACO – Accountable Care Organization
ADT – Admissions, Discharges, and Transfers electronic HL7 messages
APCD – All Payer Claims Database
CHIE – Clinical Health Information Exchange. Utah's HIE.
EHR – Electronic Health Records
ePOLST – Electronic Physician’s Orders for Life-Sustaining Treatment
HIE – Health Information Exchange
HIT – Health Information Technology
HITECH - Health Information Technology for Economic and Clinical Health
HL7 – Health Level-7 are international standards for transfer of clinical and administrative health data between software applications.
IT - Information Technology
MACRA – Medicare Access and CHIP Reauthorization Act
MU – Meaningful Use
NQF – National Quality Forum
OHCS – Office of Healthcare Statistics
OVRS – Office of Vital Records and Statistics
PCORI – Patient-Centered Outcomes Research Institute
PFAC - Comagine Health's Patient & Family Advisory Council
PQRS – Physician Quality Reporting System
UDOH – Utah Department of Health
UHIN - Utah Health Information Network
UPV – Utah Partnership for Value-driven Health Care
USIIS – Utah Statewide Immunization Information System
Appendix B – Completed Projects

- **Choosing Wisely Campaign (informed patient)**
  Action: COMPLETED  Primary: Comagine Health
  Related Goals/Objectives: 1A
  Choosing Wisely Utah is a statewide campaign focused on encouraging physicians, patients, and other health care stakeholders to think and talk about medical tests and procedures that may be unnecessary, and in some instances cause harm. Current efforts are using community navigators to improve newly-insured patient-understanding of how to use the health care system and avoiding unneeded care.

- **All Payer Claims Database (APCD) Showcase Event**
  Action: COMPLETED  Primary: Comagine Health, UDOH-OHCS
  Goals/Objectives Supported: 4A
  Yearly the Office of Healthcare Statistics and Comagine Health Partner to show the research abstracts that are coming from use of APCD data. Presenting and sharing success and barriers of the APCD data is a learning event for academic, public health, and healthcare improvement organizations.

- **Utah Regional Health Care Innovation Day**
  Action: COMPLETED  Primary: Comagine Health
  Goals/Objectives Supported: 2B, 3A, 3F, 4C
  The Utah Regional Health Care Innovation Day brings together health care professionals, payers, health care organizations, and state and federal government officials to discuss innovations to transform health care. During this event those working locally to improve health, provide care and lower costs through innovative strategies will share their vision, lessons learned and results. A one day planning session was held.

- **Indian Health Geographic Analysis**
  Action: COMPLETED  Primary: UDOH, UHIN
  Goals/Objectives Supported: 2D, 3C
  A state wide assessment of Indian health status using multiple state data bases for 3 use cases of Behavioral Health, Obesity Diabetes reduction, and End of Life care. This was completed by a student as part of the SIM Grant

- **EHR Guide for Quality Reporting**
  Action: COMPLETED  Primary: UDOH-EPICC, Comagine Health
  Goals/Objectives Supported: 2A, 2C
  Quality Data for Beginners: Using your Electronic Medical Record for Quality Reporting and Better Patient Care has been updated in 2017 to encompass cardiac measures and provides guidance for success in quality reporting for primary care practices. *(Subcontract to Comagine Health, under UDOH CDC 1422 funding)*