



HAWAII STATE HEALTH PLANNING AND DEVELOPMENT AGENCY
 1177 Alakea Street, Suite 402 • Honolulu, HI 96813 • Phone: (808) 587-0788 • www.shpda.org
 Data Advisory Council - Plan Development Committee

Meeting Minutes

December 5, 2023 | 1:00 PM Hawaii Time
 Virtually via Zoom and Physical Meeting Location at
 The Keoni Ana Building, 1177 Alakea Street, Suite 402

MEMBERS: Rebecca Cai, Francis Chan, Alfred Herrera, Robert Hirokawa, Haley Hsieh, James Lin, Ranjani Starr, Deborah Taira, Derek Vale, Cristina Vocalan, Kelley Withy

MEMBERS ABSENT: Lance Ching

GUESTS:

SHPPDA: John Lewin, Wendy Nihoa

ATTENDANCE RECORD OF MEMBERS

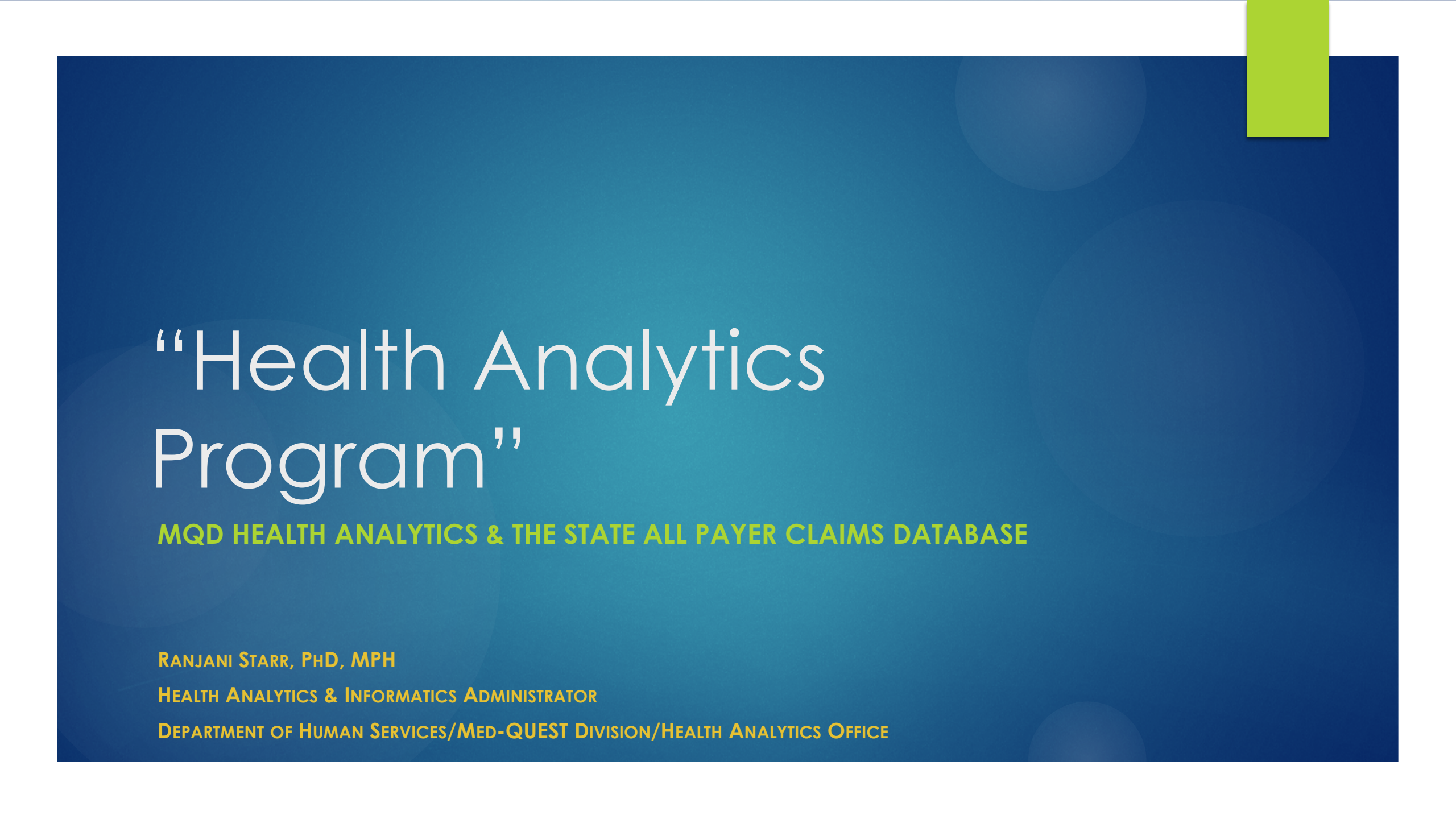
Date	10/19/23	12/5/23	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Rebecca Cai	/	X							
Francis Chan	X	X							
Lance Ching	X	O							
Alfred Herrera	X	X							
Robert Hirokawa*	X	X							
Haley Hsieh	O	X							
James Lin	/	X							
Ranjani Starr	X	X							
Deborah Taira	X	X							
Derek Vale	X	X							
Cristina Vocalan	X	X							
Kelley Withy	X	X							

Legend: X=Present; O=Absent; /=Not a Member

*-Chair, **-Vice Chair

TOPIC	DISCUSSION	ACTION
Call to Order	A quorum was established. The meeting was called to order at 1:02 p.m. by R. Hirokawa, Chairperson, Data Advisory Council presiding.	
Roll Call	Member roll call.	
Welcome	R. Hirokawa welcomed members. Followed by member and staff introductions. New member James Lin welcomed, and guest Jeannette Koiwane acknowledged.	
Minutes	<p>Motion to accept the minutes from the meeting on October 19, 2023.</p> <p>Vote: Unanimous. Motion carried.</p> <p>Public testimony – none.</p>	
Data Repository Updates	<p>Presentations were made for Hawaii All Payer Claims Database by Ranjani Starr, Administrator, Health Analytics and Informatics; Hawaii Health Information Exchange, Francis Chan, Chief Executive Officer; and Laulima Data Alliance, Haley Hsieh, Executive Director. A copy of the presentations is hereby attached as Attachment A, B, C respectively.</p> <p>Each presentation was followed by a discussion.</p>	
AHEAD Grant	<p>J. Lewin shared SHPDA’s plan to apply for the Centers for Medicare & Medicaid Services (CMS)- States Advancing All-Payer Health Equity Approaches and Development (AHEAD) Model Grant in collaboration the Hawaii Department of Human Services, MedQUEST program. The grant application is due in March 2024. Details available at https://www.cms.gov/priorities/innovation/innovation-models/ahead</p> <p>A discussion followed.</p> <p>Public testimony – none.</p>	
Hawaii the Health State 2025	Item deferred.	
Data Advisory Council Membership	Item deferred.	
Meeting Logistics	Unable to secure recurring meeting date and time. May need to meet more frequent in light of AHEAD grant application.	

Announcements	None.
Next Meeting	W. Nihoa to poll members to determine January 2024 meeting date and time.
Adjournment	The meeting was adjourned at 2:32 p.m.



“Health Analytics Program”

MQD HEALTH ANALYTICS & THE STATE ALL PAYER CLAIMS DATABASE

RANJANI STARR, PHD, MPH

HEALTH ANALYTICS & INFORMATICS ADMINISTRATOR

DEPARTMENT OF HUMAN SERVICES/MED-QUEST DIVISION/HEALTH ANALYTICS OFFICE

History

- ▶ Federal Grant to form the state's All Payer Claims Database (APCD)
- ▶ Act 139 (2016)
 - ▶ The State Health Planning and Development Agency (SHPDA), affiliated with the Hawaii Department of Health, became the lead agency
 - ▶ The University of Hawaii became SHPDA's designee in receiving data (but other designees may be identified)
 - ▶ The state was authorized to collect data from health insurance plans, including:
 - ▶ Medicaid
 - ▶ Medicare (Parts A, B, and D) [Medicare Part C added in 2019]
 - ▶ State government employee health insurance plans (i.e. the Employee Union Trust Fund)
 - ▶ Private insurers (voluntarily)
 - ▶ Historic data back to 2009
 - ▶ No funding/positions

History

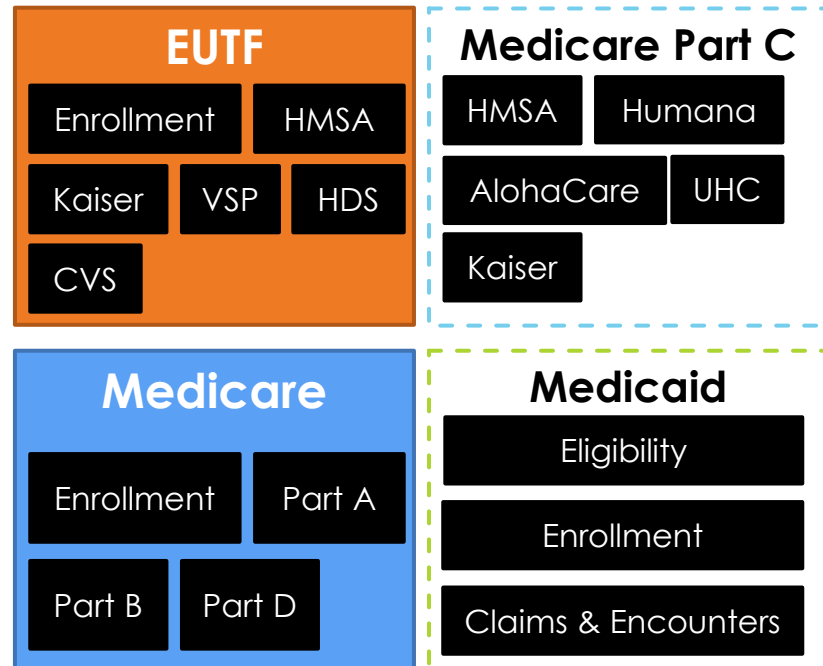
- ▶ Act 55 (2018)
 - ▶ Passed with the intent of finding a stable source of funding for the APCD (now Hawaii Health Data Center)
 - ▶ Act went into effect on July 1, 2018 and gave DHS the authority to establish an APCD.
 - ▶ Room for interpretation to treat the SHPDA APCD and DHS APCD as the same or different
 - ▶ Intent to leverage matching funds from CMS
 - ▶ A decision was made to create a Health Analytics Program within the Department of Human Services (DHS) Med-QUEST Division
 - ▶ The Act also created the vehicle to establish four positions
 - ▶ Health Analytics & Informatics Administrator
 - ▶ Healthcare Statistician
 - ▶ Senior Healthcare Analytics & Research Coordinator
 - ▶ Program and Contracts Financial Coordinator
 - ▶ Provided funding for 1 year for these tasks (funded ending June 30, 2019)

Health Analytics Office

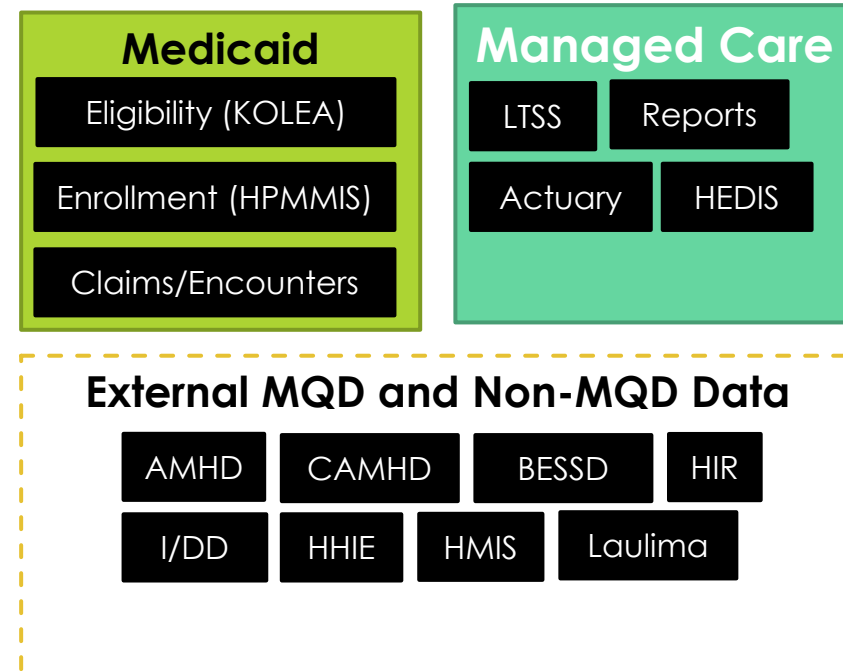
- ▶ Established in July 2019 with 7 positions (3 vacancies)
- ▶ Permanently funded in beginning SFY 2020 for the 4 positions
- ▶ Collaborated with SHPDA to support the intent of both laws
 - ▶ Provided staffing and funds to support the SHPDA portions of the work
 - ▶ Funded a contract to strategize the build of a new analytics module and write/secure funds from CMS
 - ▶ Received funding from CMS to fund/support the work of both laws
 - ▶ Partner and equal shareholder with SHPDA in the work.

CURRENT Disparate Data

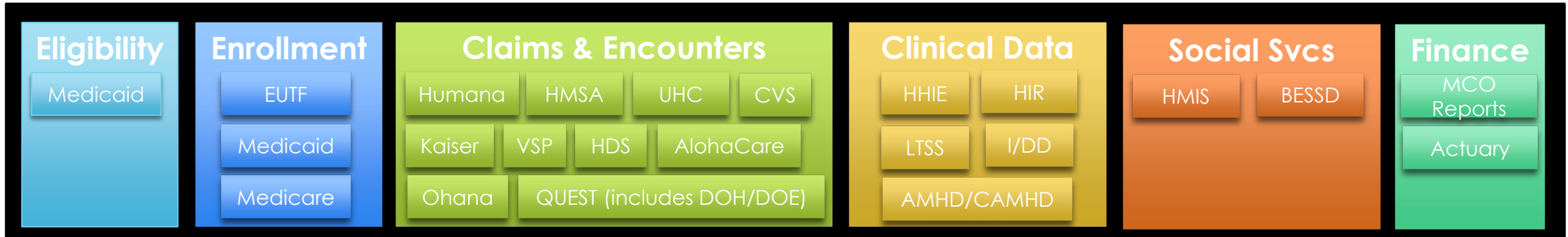
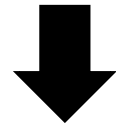
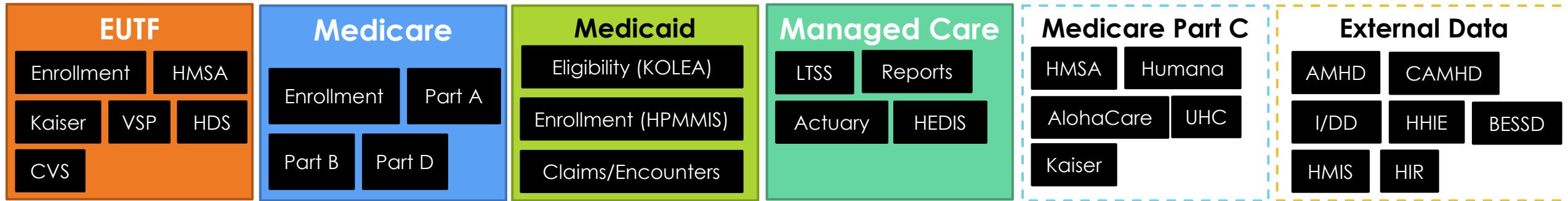
▶ APCD



▶ MQD



NEW Integrated Data



Co-Located, Integrated and Normalized Data Assets

NEW Data Enrichment

DATA PRIMED FOR INSIGHT



Hawaii specific race, geographic/community, language groupings

Disease/condition groupers, therapeutic groupers, episode groupers, inpatient/outpatient groupers, risk scoring, cost of care grouper

Supports for complex members w/social risk factors; advanced payment model assignments



Eligibility

Medicaid

Enrollment

EUTF

Medicaid

Medicare

Claims & Encounters

Humana

HMSA

UHC

CVS

Kaiser

VSP

HDS

AlohaCare

Ohana

QUEST (includes DOH/DOE)

Clinical Data

HHIE

HIR

LTSS

I/DD

AMHD/CAMHD

Social Svcs

HMIS

BESSD

Finance

MCO Reports

Actuary

NEW Enterprise Tools

Advanced Data Governance

Quality Measure Rules Engine

Health Waste Estimator

HHIE Master Patient Index

Machine Learning

Predictive Analytics Tool

Fraud and Abuse Detectors

Data Masking, Tokenization

Statistical Modeling

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Supports for complex members w/social risk factors; advanced payment model assignments

Eligibility

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HMSA

UHC

CVS

Kaiser

VSP

HDS

AlohaCare

Ohana

QUEST (includes DOH/DOE)

Clinical Data

HHIE

HIR

LTSS

I/DD

AMHD/CAMHD

Social Svcs

HMIS

BESSD

Reports

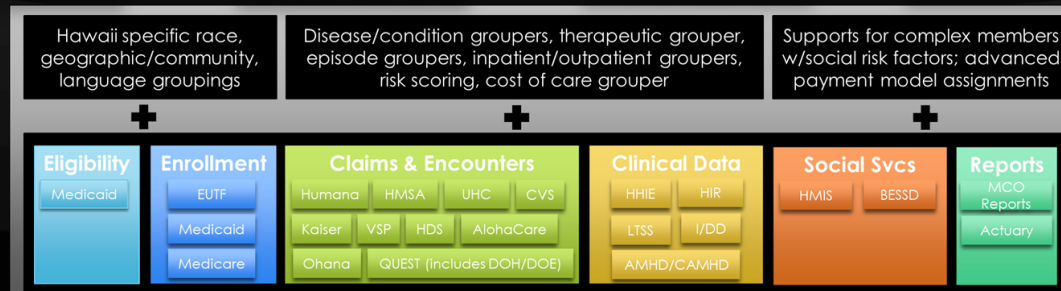
MCO Reports

Actuary

NEW Data Governance Framework

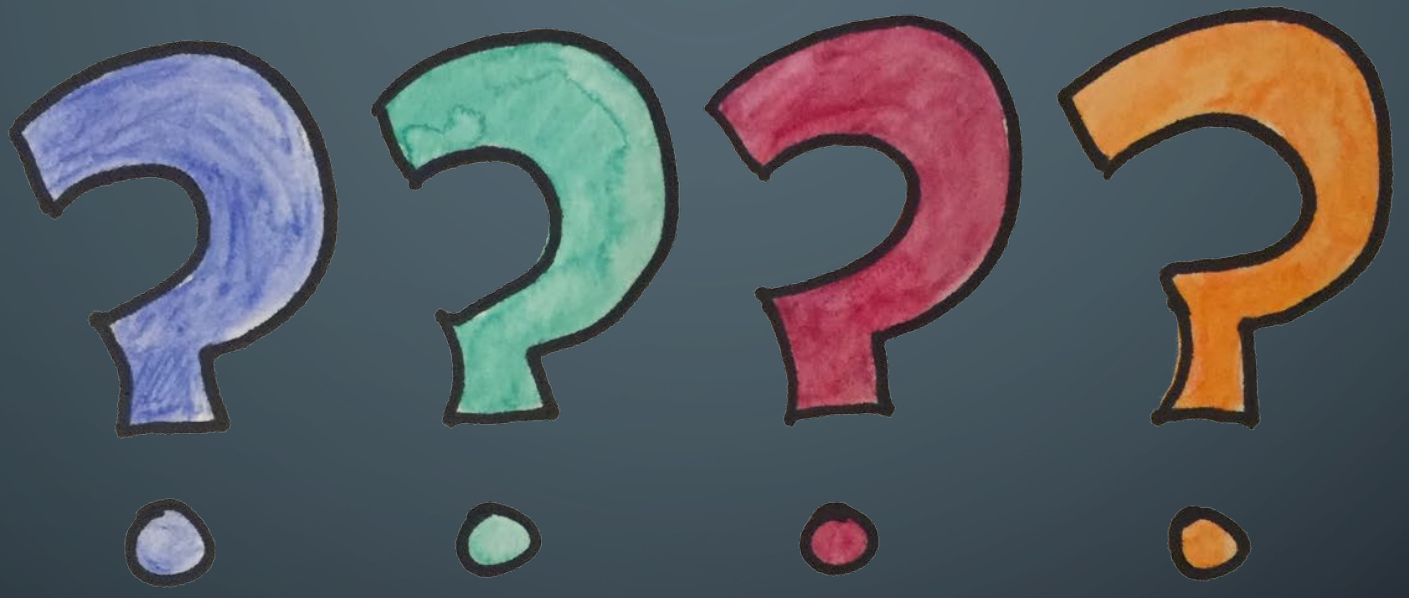
The Five Rs

Support the **R**ight use of the **R**ight amount of data by the **R**ight users with the **R**ight permissions for the **R**ight amount of time.



Timeline

- ▶ Research structure, function, placement, vendor market, etc. (2019-2020)
- ▶ Funding request for analytics platform submitted December 2020
- ▶ Implementation Advanced Planning Document approved February 2021
 - ▶ 2021: Data governance
 - ▶ 2022: Program Management Office, PMO, IDIQ Technical Platform Vendors
 - ▶ 2023: Task Order 1 Vendor
 - ▶ 2024: Data Services Vendors
- ▶ DDI continues at least through the end of 2024
 - ▶ Go live at the end of Phase I
 - ▶ Phase II will begin post go-live



Presentation to the Data Advisory Council

December 5, 2023

*Improving the quality of care, increasing efficiency, and reducing costs
through effective use of electronic health records and electronic exchange
of clinical & health data*

Hawai'i Health Information Exchange Mission Statement

Hawai'i HIE is the State Designated Entity for health data exchange. We provide the technology, technical expertise, and governance that enables health care providers and stakeholders to share and access complete health data, resulting in an improved quality of life for Hawai'i's people and lower health care cost for all.

*HHIE Community Health Record **SAVES LIVES***



Hawai'i HIE Participants and Stakeholders

501(c)3 Non-Profit Est. 2006

Hawai'i HIE has been the State-designated HIE since 2009



U.S. Department of Veterans Affairs



HAWAII Independent Physicians ASSOCIATION



CLINICAL LABS OF HAWAII

HAWAII PACIFIC HEALTH

KAPI'OLANI PALI MOMI STRAUB WILCOX



An Independent Licensee of the Blue Cross and Blue Shield Association



Castle Medical Center
Adventist Health
Exceptional Medicine by Exceptional People



Major Participating Facility	Demographics	Admission/Discharge/Transfer	Laboratory	Pathology	Radiology Reports	Transcribed Reports	Medication History
Castle Medical Center							
Clinical Laboratories of Hawaii & PPPL							
Department of Defense*							
Diagnostic Laboratory Services & HPL							
Hawaii Health Systems Corporation - East Hawaii - Hale Ho'ola Hamakua - Hilo Medical Center - Ka'u Hospital							
Hawaii Health Systems Corporation - West Hawaii - Kohala Hospital - Kona Community Hospital							
Hawaii Health Systems Corporation - Kauai County** - Kauai Veterans Memorial Hospital - Samuel Mahelona Memorial Hospital							
Hawaii Pacific Health* - Kapiolani Medical Center - Kapiolani Medical Center for Woman & Children - Pali Momi Medical Center - Straub Clinic and Hospital - Wilcox Memorial Medical Center							
Health Care Systems - Ambulatory medication history filled across USA.							
Kahuku Medical Center*							
The Queens Health System - Molokai General Hospital - North Hawaii Community Hospital - The Queens Medical Center - The Queens Medical Center West							
Kaiser - Maui Health Systems* - Maui Outpatient Clinic - Lanai Community Hospital - Kula Hospital - Maui Health System							
Kaiser Permanente Medical Center*							
Kuakini Medical Center							
Veterans Administration *							
Wahiawa General Hospital							

*Documents Tab

** Documents Tab & Results Tab

Additional Quick Facts on Data and Service

➤ Data Sources and Types:

- All 23 Acute Care hospitals are sharing ADT and/or clinical data with Hawai'i HIE
- Over 2,000 providers share clinical and data either directly or through Health Systems or independent labs
- Some SDoH data are shared through the interfaces
- Medication-filled histories can be retrieved, covering previously 12 months anywhere in the US

➤ Participants –Active users:

- Over 1,350 providers, including independent practices and those participating in ACOs and QPPs
 - Include over 150 APRNs and Pharmacists
- Over 2,000 non-provider users, including public health and staff at community resources (e.g., diabetes counselors) use HHIE portal to look up records

➤ Record Count and Uses:

- Total over 30 million records on over 2.3M patients (including visitors to the state who received care)
- Universal MPI tying patient IDs from different sources back to unique individual in use to support data routing and notifications
- Access Policy and processes established since 2016 to support different use cases e.g., Public Health access

➤ Challenges:

- Gaps exist on current data shared through different standards, based on capabilities and preference of data sources
- Long-term care and independent providers lack resource to build connections to share data
- Started process to replace current platform (in use since 2014) to support new use cases and population analyses



Interoperability Workgroup Update

Update on Workgroup Activities: Provider Interoperability Survey Results

- Joint effort with HAH, Health Systems with support from HPCA, POs and Health Plans
- 96 completed surveys, majority from physician groups, solo physician practices, or long-term care facilities
- 92% have an EHR or plan to implement in next two years
- 80% of those with EHR said its system is interoperable
- 60% of respondents were familiar with HHIE, and 39% use HHIE products and services
- 73% of HHIE users said HHIE was helpful in addressing interoperability needs
- **Cost** is the largest barrier to participation with HHIE

Looking to the Future

Platform Migration and Upgrade

- History: as one of the initiatives to Improve Data and Services
 - HHIE has been evaluating KPI-Ninja as a “technology platform for the future”
 - KPI-Ninja offers key new features that the HHIE community is look for
 - Health Catalyst (HC) acquired KPI-Ninja in February 2022
 - KPI Ninja is now a unit of Health Catalyst, sister company of HCI (current HHIE platform)
 - HC formally notified HHIE in October that HCI-based CHR will be sun-setting in two years
- The flexible Ninja Universe centralized platform offers a range of functionality that can be adapted to support use-cases
- Users can easily enable or disable applications based on preference—creating an individualize experience for anyone who logs in
- Funding to support Upgrade
 - Med-QUEST agreed to support HHIE and apply for CMS funding through IAPD (for infrastructure building)
 - Submitted proposal for \$2.9M for HHIE platform and technology upgrade
 - Expecting to learn about CMS questions and concerns and possibly decision in about 60 to 90 days
 - Implementation may take about 10 to 14 months

Ninja Universe™ Platform

Services Expertise: SMEs to facilitate and accelerate measurable improvement

Clinical, Financial, and Operational Domain Experts

Analyst, Data Scientists, Data Engineers, and Population Health Advisor

Strategic Consulting | DAV Readiness Assessment | Opportunity Analysis | HIE Governance | Quality Outcomes Improvement | Population Health | Technical Support | Training

Applications: Offering the most comprehensive end-to-end solution to help HIE's smoothly transition from being transactional data intermediaries to population health enablers.

Foundational Applications

- Community Health Record
- Data Quality Explorer
- Orders and Results Delivery
- Direct Secure Messaging
- Operational Reports
- Message Viewer
- eHealth Exchange

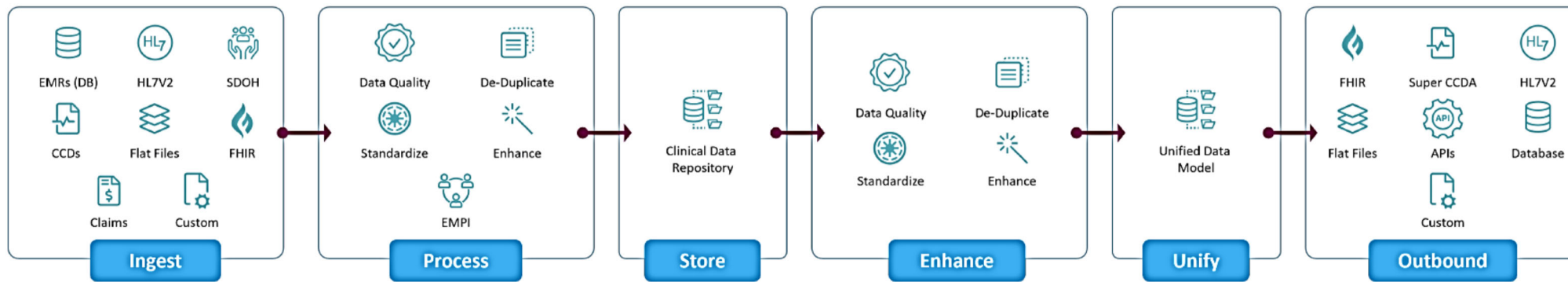
Domain-Specific Applications

- Population Health Analytics
- Disease Management
- Quality Measures and Reports
- Utilization (*Readmissions, ED High Utilizers, etc.*)
- Cost of Care
- Care Coordination
- Alerts and Notifications
- Risk Stratification and Predictive Analytics

Tailored Applications

- Customized Business Intelligence (*example COVID dashboard*)
- Self-Service Analytics

Health Catalyst Platform for HIEs: A healthcare-specific, open, scalable platform for analytics, application development, and interoperability



Factors that can Facilitate Collaboration

- Leadership from the Governor and Legislature to convey Clear Vision and Goals on “Final Outcome”
- Buy-in from Stakeholders
 - Continued dialog with all parties and be sensitive to their questions and concerns, especially for “data sources”
 - Address “What’s in it for me?”
- Focus on achievable goals in the near- and long-term:
 - Maximize available resources i.e., funding and subject-matter expertise to achieve outcomes and goals

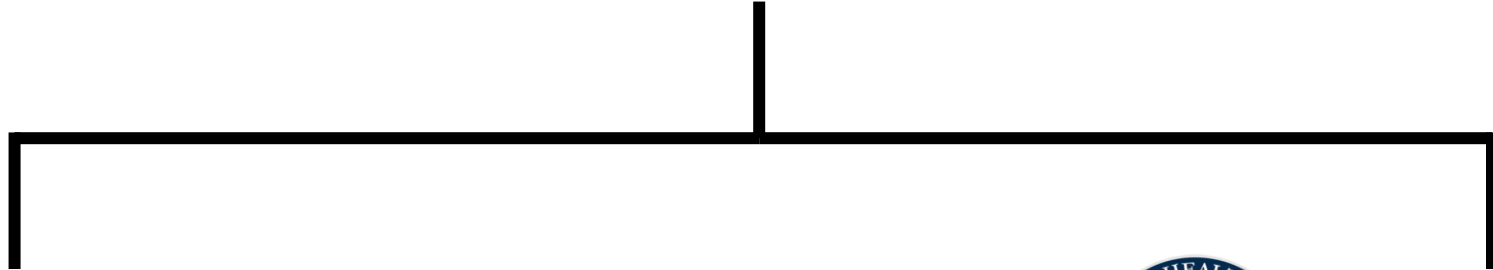


Questions and Comments?

Mahalo!



Healthcare Association
of Hawaii



Laulima Data Alliance



HAWAII HEALTHCARE
EMERGENCY MANAGEMENT

Question 1: What are you currently doing, what is envisioned, timelines, and next steps.

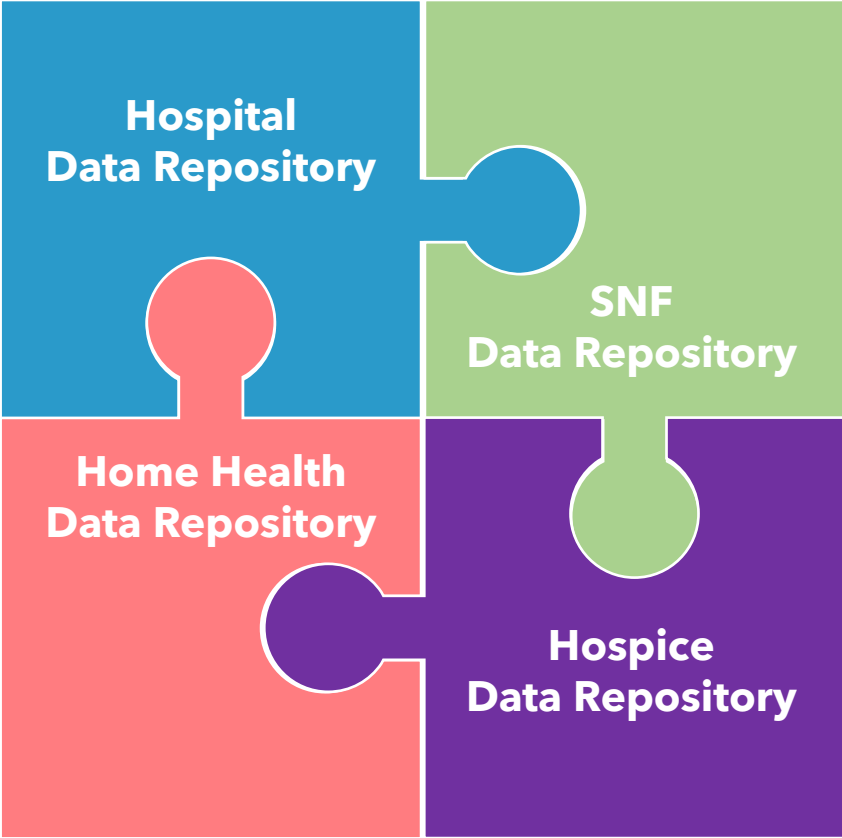
New Dashboards:
**Social Determinants
of Health**

New Expansion:
**Skilled Nursing Facility
Data Repository**

New Venture:
**Hawaii
Capacity System**

Question 2: What is your wish list for your data system over the next 5 years?

Laulima Data Alliance



Question 3: What factors could facilitate collaboration on data sharing and analytics amongst Hawaii's Health and the State Department of Health data repositories?

