



MARYLAND
Health Care
Commission

CIVITAS
Networks for Health

AHITSL
ASSOCIATION FOR HEALTH IT STATE LEADERS

HIE as a Health Data Utility to Advance Clinical and Public Health Use Cases

HIE Roundtable in partnership with the Maryland Health Care Commission and the Association for State Health IT Leaders

February 28, 2022

Housekeeping Reminders

- This is a Zoom meeting.
- Please **mute** yourself when you are not actively speaking.
- Please use the **raise hand** function to chime in with questions or comments and/or use the **chat** to share.
- Please share video if you are able.
- We will be using **breakout rooms**. You will be randomly assigned to a breakout room once we move to that part of the meeting. Before the breakout room session ends, you will receive a reminder that the session is ending. After, you will be brought back to the main room.

Agenda

- **Welcome** – Jolie Ritzo, Civitas Networks for Health
- **Framing Remarks and Review of the Health Data Utility Model** – Lisa Bari, Civitas Networks for Health
- **State Feature** - Being a Public Health Data Utility, CRISP, Maryland
- **Breakout Room Discussion:** What technical infrastructure, policies, and trust requirements must be addressed to implement use cases foundational to a health data utility (HDU) model?
- **Group Report Out** - All / Breakout Lead
- **Closing Announcements** - David Sharp, Maryland Health Care Commission
- **Next Steps** - Alana Sutherland, Maryland Health Care Commission

HIE Roundtable Series Objectives

Convene HIE and state leaders to learn, share and advise on HIE governance and oversight models, HIE as a data utility, funding and sustainability and privacy and consent.

Develop best practices and guidance for HIEs and States to advance HIE for clinical and public health purposes.

The Health Data Utility Model

Civitas Networks for Health

The largest network of its kind in the country, Civitas Networks for Health represents local health innovators sharing and using data to improve outcomes.

Our Guiding Principles

- ✓ We believe the best solutions come from data informed, multi-stakeholder input.
- ✓ We strive for win-win solutions recognizing that change is required by all.
- ✓ The status quo of our health care system is not acceptable in terms of its quality, safety or cost.
- ✓ We commit to advancing health equity for all.



Health Data

Utilities

Civitas' Emerging Definition

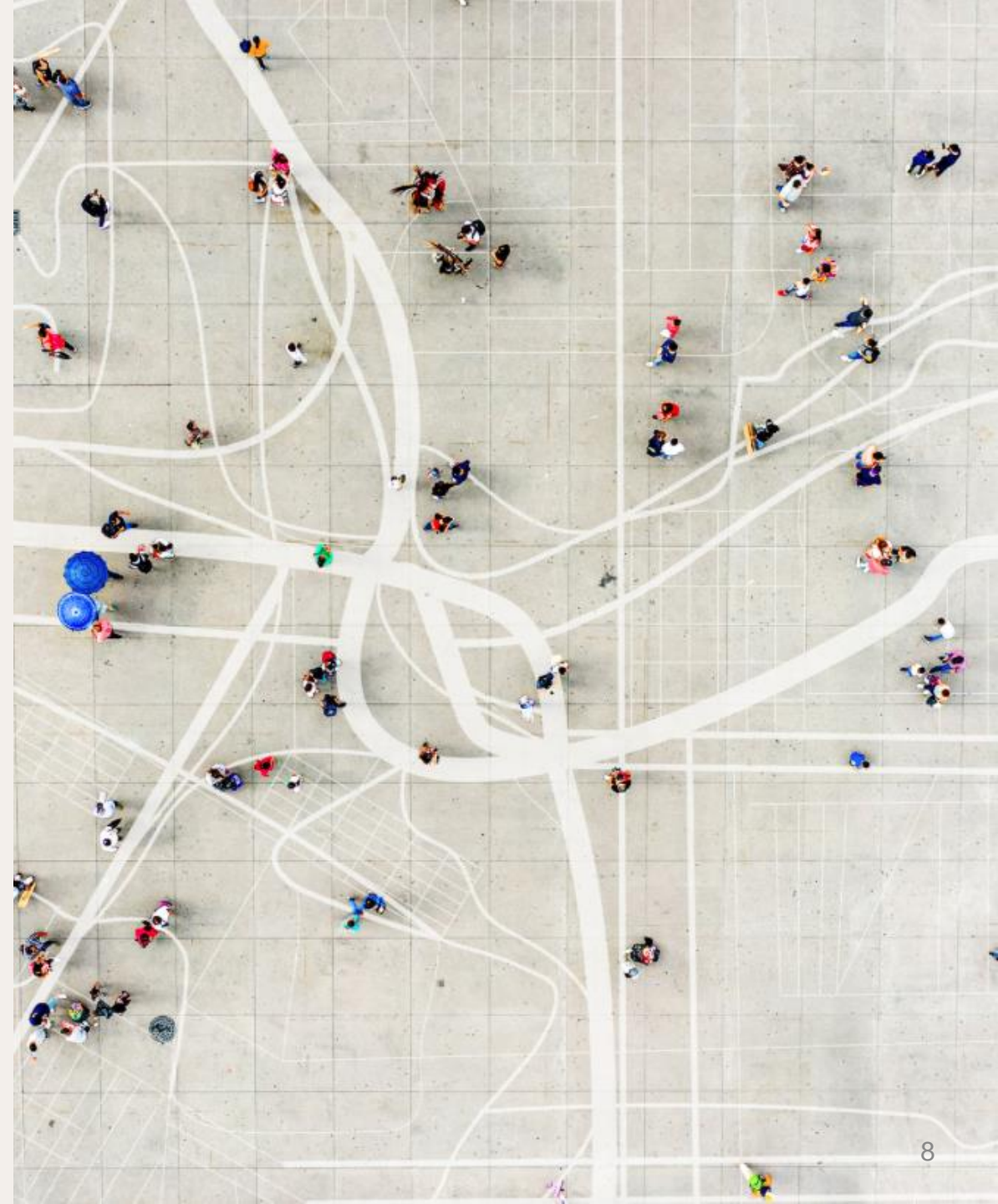
Health Data Utilities (HDUs) are statewide entities that **combine, enhance, and exchange electronic health data** across care and services settings for treatment, care coordination, quality improvement, and public and community health purposes through specific, defined use cases in accordance with applicable state and federal laws protecting patient privacy.



Health Data Utilities

How are HDUs different?

HDUs emphasize **multi-stakeholder** organizational, use case, and data **governance** and most will be designated non-profit organizations or independent state agencies. In all cases, state and stakeholder governance, oversight, and accountability is paramount. **HDUs are flexible and capable of meeting state-specific health data needs.**



Necessary Conditions for HDUs

- **State policy levers** including incentives and/or mandates
- **Broad stakeholder participation**, connectivity, exchange, and community-level engagement
- Mature use cases in place for **Medicaid and public health**
- **Multistakeholder**, transparent corporate and data/network **governance**
- **High standards for data privacy and security** in line with state and federal laws

HDUs Should Build on Existing Infrastructure

- Most states have **existing infrastructure** in place for clinical data exchange, including regional and statewide HIEs. This **technical and relationship infrastructure should be strengthened**.
- **States** without an organization or organizations capable of meeting HDU requirements **should be eligible to apply for a planning grant** to build these capabilities.
- Most states do not yet have interoperable infrastructure in place for collecting and sharing social care data. States should be eligible to apply for funding to **include social care data infrastructure and multi-sector data aggregation**.

Sample Use Cases

Access

Query health records based on permitted purposes

Care Delivery

ADT/event notifications, alerting, lab results, prescription drug monitoring, imaging

Social Care

Referral management, resource directories, social determinants of health referrals

Public Health

Reporting to immunization registries and other disease registries, notifiable conditions, heat maps

Consumer

Patient education, individual access, patient-generated data

Quality

Reporting, analytics, benchmarks, provider dashboards

In Summary: What Can HDUs Do?

- HDUs **break down data silos**; they **combine data to enhance data**.
- HDUs **deliver data back to clinicians and other providers in the field**, engaged in care delivery, care coordination, and public health activities.
- They create **comprehensive data sets** that can enable communities to prepare, respond and make critical improvements in health, health care, public and community health.
- They **foster whole-person care** and **reduce provider burden** of additional reporting requirements.
- They **leverage existing infrastructure**, displaying the critical application and responsible use of federal funds.

State Feature



CRISP

Our Approach to Being a Public Health Data Utility

February 28, 2022

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www.crisphealth.org

Why is interoperability important?

“Leveraged correctly, health information technology can help automate efforts, increase transparency, and reduce miscommunication between health plans, providers, and healthcare organizations.”



Source: <https://www.healthit.gov/topic/health-it-basics/health-information-exchange>
<https://journal.ahima.org/2018/09/01/the-future-of-healthcare-data-exchange>



4 Things CRISP Will Do

- Be Pragmatic
- Be Diplomatic
- Be Incremental
- Accelerate





HIE as a Health Data Utility

- Leverage existing data feeds for multiple use cases
 - Hospital HL7 can be aggregated for public health dashboards
 - Medicaid claims can be shared at the point of care
- Support collaborative governing bodies to share ideas, best practices, and recommendations
 - Groups that don't routinely interact get the opportunity
 - Diverse stakeholders can make the case to share – or withhold! – information
- Launch pilots by leveraging existing infrastructure and staff; expand or stop based on real-world results
 - Push suspected overdose events to a local health department to try new outreach programs
 - Try sending referrals from primary care practices to community-based organizations
- Don't start from scratch!



Draft Legislation (MD House Bill 1127)

1 **(3) “STATE DESIGNATED EXCHANGE” HAS THE MEANING STATED IN §**
2 **4-302.3 OF THIS ARTICLE.**

3 **(B) THE STATE DESIGNATED EXCHANGE SHALL OPERATE AS A HEALTH**
4 **DATA UTILITY FOR THE STATE.**

5 **(C) THE PURPOSES OF THE HEALTH DATA UTILITY INCLUDE THE:**

6 **(1) THE COLLECTION, AGGREGATION, AND ANALYSIS OF CLINICAL**
7 **INFORMATION, PUBLIC HEALTH DATA, AND HEALTH ADMINISTRATIVE AND**
8 **OPERATIONS DATA TO ASSIST HEALTH CARE AND PUBLIC HEALTH LEADERS IN THE**
9 **EVALUATION OF PUBLIC HEALTH INTERVENTIONS AND HEALTH EQUITY;**

10 **(2) THE COMMUNICATION OF DATA FROM PUBLIC HEALTH OFFICIALS**
11 **AND HEALTH CARE PROVIDERS TO ADVANCE DISEASE CONTROL AND HEALTH**
12 **EQUITY; AND**

13 **(3) THE ENHANCEMENT AND ACCELERATION OF THE**
14 **INTEROPERABILITY OF HEALTH INFORMATION THROUGHOUT THE STATE.**



Challenges and Opportunities

- Statewide coordination of feeds and pipelines
 - Increasing complexity
- Securing critical assets and maintaining 99.99% uptime
 - Truly becoming critical infrastructure
- Traditional interoperability challenges
 - Standardization, data quality, etc.
- Ensuring consistency in reporting and algorithms across stakeholders
 - Major focus on equity and appropriate use of data
- Regional collaboration
 - States can solve problems together through local coordination

Breakout Rooms

What technical infrastructure, policies, and trust requirements must be addressed to implement use cases foundational for a health data utility (HDU) model?



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Closing Remarks

Zoom Survey Question

Did you make a new connection, learn something new and/or find today's session to be valuable?

Next Steps

- Roundtable feedback survey

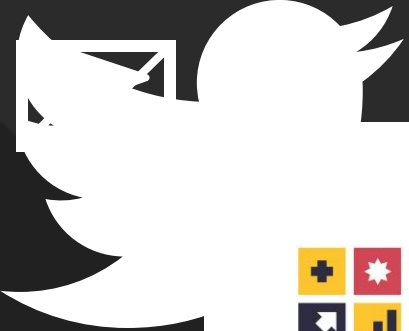
www.surveymonkey.com/r/FebHIERoundtable

- Further Roundtables



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