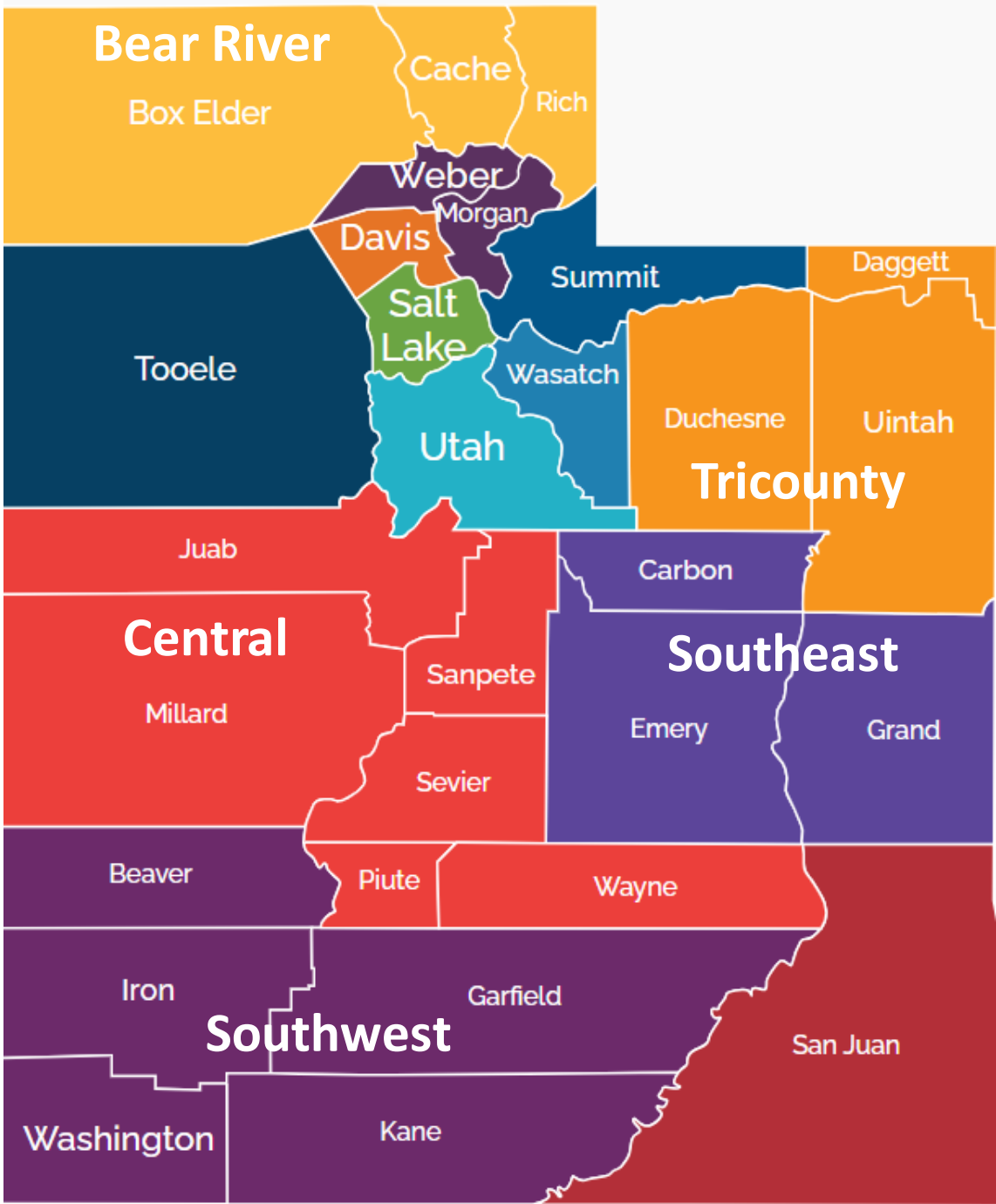

**UTAH PARTNERSHIPS
FOR TURNING DATA INTO
ACTION | A HEALTH DATA
INNOVATION SUMMIT**

Le Meridien Hotel | June 21-22, 2023



Angela C. Dunn, MD MPH
Salt Lake County Health Department, Utah

13
Independent
Local Health
Districts



The Local Health Department Shall

- **Establish programs or measures to promote and protect the health and general wellness of the people within their jurisdiction**
- **Investigate diseases of public health importance and implement measures to control the diseases**
- **Cooperate with Utah Department of Health and Human Services**
- **Cooperate with Utah Department of Environmental Quality**

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Public health agencies are like your organizations.



**Effective operations
lead to desired
outcomes**



**Good data is essential
for effective
operations**

Public health surveillance is our data source.

Data are:

- Systematic
- Ongoing
- Analyzed
- Interpreted

Data are used for:

- Planning
- Implementation
- Evaluation

5 Core Pillars of Public Health Data Gathering



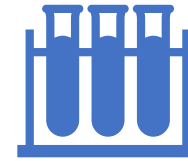
**Syndromic
Surveillance**



**Electronic
Case
Reporting**



**Notifiable
Diseases**



**Electronic
Laboratory
Reporting**



Vital Records



Data systems at Salt Lake County HD

- **WIC (USDA)**
- **Electronic medical record**
- **Billing system**
- **State immunization registry**
- **Environmental health inspection, permitting, complaint system**
- **Community-based surveys**
- **Spreadsheets, Smartsheet, Google Docs, REDCap**
- **Connect to other locals, state, national**
- **Administrative data systems (contracts & procurement, HR, etc...)**

Individual
Public
Health
Services

WIC

Nurse home visiting

Tuberculosis

STD/HIV

Immunization

Vital records

Population Public Health Services

- Infectious disease prevention, identification, control
- Non-infectious disease prevention
- Community-level health assessments
- Emergency preparedness and response
- Environmental health regulation
- Public communication & education
- Policy

**School attendance + COVID positive =
Prevented spread**

ELR led to improved surveillance

©2KUTV

CDC says Hep C outbreak in Utah has 16 cases, half of 7,200 still not tested

by Heidi Hatch | April 4th 2016, 6:52 PM MDT

Public Health Reports



CDC ASPPH

Enhancing Surveillance Protocols for Acute Hepatitis C Virus Infection, Utah, 2014-2019

[Nathaniel M. Lewis, PhD](#)  , [Jeff Eason, MPH](#), [...], and [Angela C. Dunn, MD](#)  [View all authors and affiliations](#)

[OnlineFirst](#) | <https://doi.org/10.1177/00333549221101381>

eCR proven to decrease provider burden and increase data timeliness and completeness

Piloting Electronic Case Reporting for Improved Surveillance of Sexually Transmitted Diseases in Utah

OJPHI

Piloting Electronic Case Reporting for Improved Surveillance of Sexually Transmitted Diseases in Utah

Amanda Whipple¹, Joseph Jackson^{1,*}, Joshua Ridderhoff², Allyn K. Nakashima¹

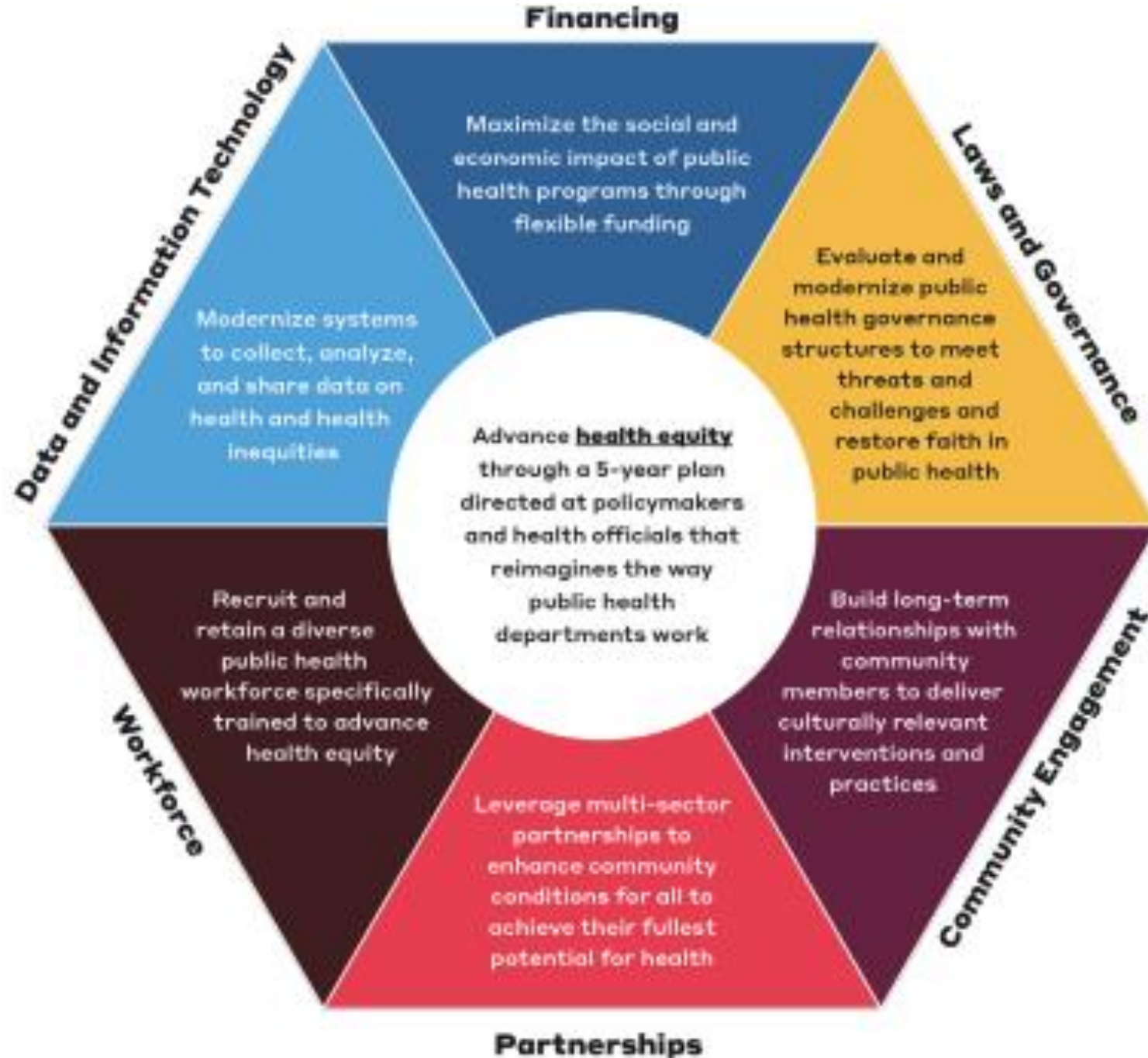
Vital Records + FHIR

Improved data quality and timeliness



We still have room for improvement

Modernizing the public health system requires action in 6 core areas



Leverage multi-sector partnerships to enhance community conditions for all to achieve their fullest potential for health

Partnerships

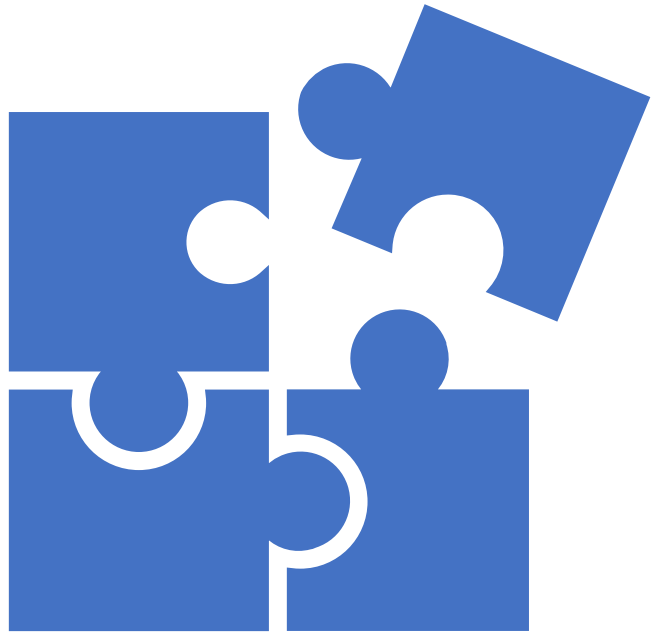
Data and Information Technology

Modernize system to collect, analyze and share data on health and health inequities

You are part of the solution. You are part of the public health system.

**Flexible
systems built
for public
health needs**

- **Individual and population health**
- **Interoperability**
- **Share data securely**
- **Clean data**
- **Link data**
- **Deidentify data**
- **AND do it quickly, accurately,
reliably**



Together, let's advance
public health.

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