

Population Health Division

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May 17, 2022

Population Health Division

Epidemiology
Bureau

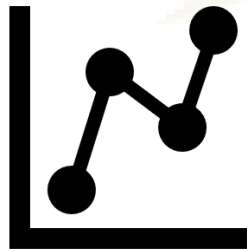
Health Equity
Bureau

Population
Health &
Informatics
Bureau

Emergency
Preparedness
Bureau

Population Health Division

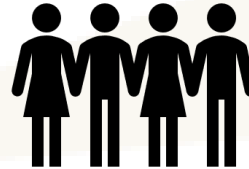
The Population Health Division provides timely and actionable data and plans to Department programs and partners to foundationally address health disparities and mitigate diseases that exist within our communities.



Actionable
Data



Planning &
Response



Advancing
Health Equity



Prevention &
Mitigation

Epidemiology Bureau

Prevent and Mitigate Disease



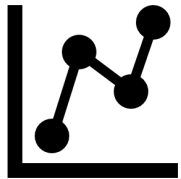
Investigation: identify risk factors, sources of illness and contacts



Outbreak Response: response teams, education and prevention



Mitigation: preventative measures in policy and practice



Surveillance: identify cases and outbreaks; understand commonalities; and confirm linkage, provide actionable data

Epidemiology Bureau

West Nile

- Epidemiology Bureau collaborates with 3 local Mosquito Abatement Districts, UDOH, local city leaders and community partners to track the spread of West Nile infected mosquitoes across the county each year
- 15 cases a year are investigated to assess severity of disease and identify potential sources of exposure
- Epidemiological data is used to guide abatement efforts and general public education
- Help provide DEET wipes to at-risk populations



Epidemiology Bureau

Foodborne Illness

- Enteric Epidemiologists investigate **675 cases of disease** and **47 outbreaks** each year
- Investigating cases of disease are critical to identifying the cause of outbreaks and removing the risk from the population
- Instrumental in identifying the causes of numerous state and national outbreaks
- Works closely with Environmental Health Division

27 ill with E. coli O103 in Utah - Second lawsuit filed against Jimmy John's restaurant.

By Bill Marler on April 15, 2020

POSTED IN [FOODBORNE ILLNESS OUTBREAKS](#)

FOOD

Salmonella outbreak linked to onions: Throw away onions if you don't know where they're from, CDC says



[Kelly Tyko](#)
USA TODAY

Published 8:14 p.m. ET Oct. 20, 2021 | Updated 4:51 p.m. ET Oct. 21, 2021

Epidemiology Bureau

Vital Records

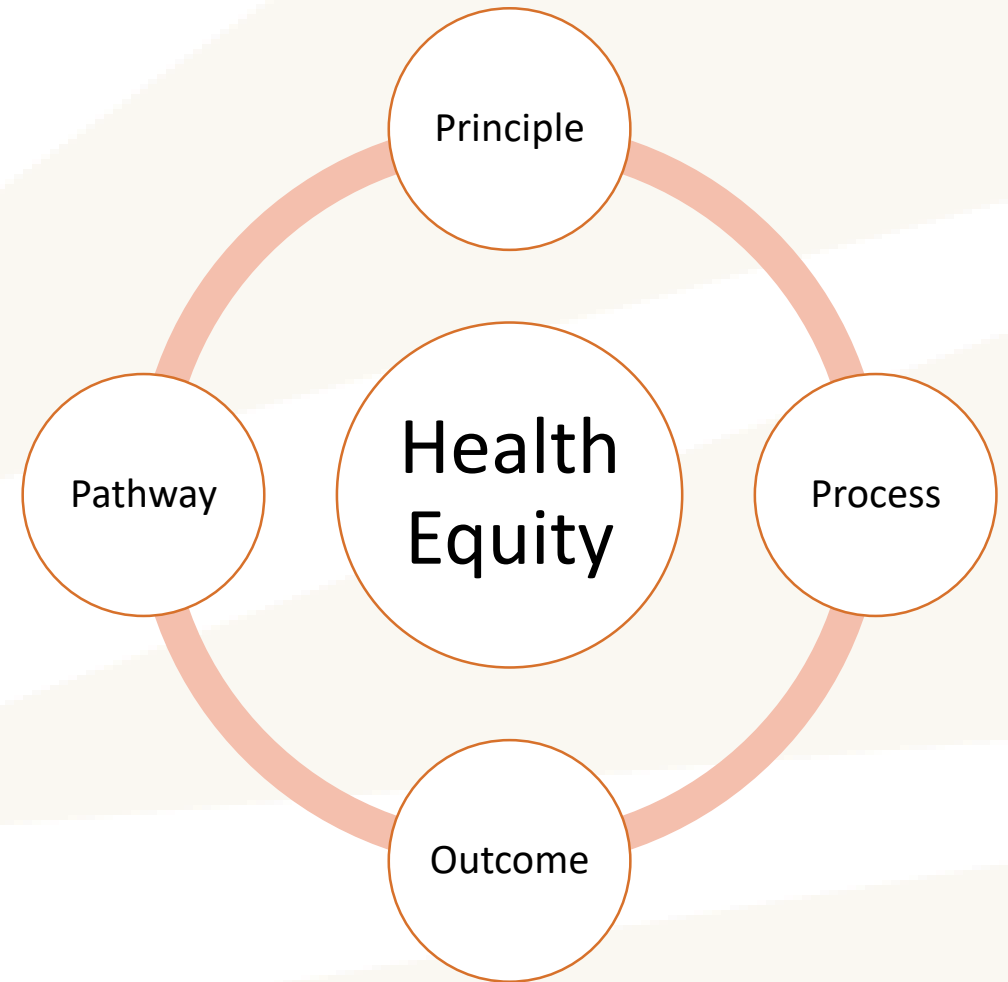
- **130,751** certificates issued-birth, death, marriage & divorce abstracts
- **1,045** amendments-changing or correcting information
- **9,141** death registration- final process for remains disposition & certificate creation
- **198** Indigent cases

PLACE OF BIRTH		NO.	
County of SALT LAKE		CERTIFICATE OF BIRTH, STATE OF UTAH.	
Precinct of			
Town or Village of		Street and No. 18 So. 2nd West.	
City of SALT LAKE		If in Hospital or other institution, give its name instead of Street and number.	
FULL NAME OF CHILD		Charles Richard Mitchell	
If child is not yet named, make supplemental report as directed.			
Sex of Child Male	Twin triplet or other?	and	Number in Order of Birth
		Legal name?	Yes
Date of Birth		Sept. 5, 1920	
(Month) (Day) (Year)			
FULL NAME FATHER		FULL MAIDEN NAME MOTHER	
John Richard Mitchell		Artense Hitegan	
RESIDENCE		RESIDENCE	
Salt Lake City, Utah		Salt Lake City, Utah	
COLOR White	AGE AT LAST BIRTHDAY 25	COLOR White	AGE AT LAST BIRTHDAY 22
(Years)	(Years)	(Years)	(Years)
BIRTHPLACE		BIRTHPLACE	
Lehi City, Utah		Mercur, Utah	
OCCUPATION		OCCUPATION	
Truck Driver, Swift & Co.		Housewife	
Number of Child of this Mother 4th		Number of children of this Mother now living 3	
CERTIFICATE OF ATTENDING PHYSICIAN OR MIDWIFE			
I hereby certify that I attended the birth of this child, and that it occurred on Sept. 5, 1920 at 7:10 A.M.			
Premature No or Still Birth? No (Yes or No)			
(*When there was an attending physician or midwife, then the father, householder, etc., should make this return.)		(Signature) C. M. Chandler,	
Date Sept. 27, 1920		M.D.	
		(Physician or Midwife)	
Given name added from supplemental report		Address of Physician or Midwife Salt Lake City, Utah	
19		Filed Sept. 28, 1920	
Registrar		W. Christopherson	
		Registered No. W-2480	

Health Equity Bureau

Advancing Health Equity

Guiding efforts to transform work internally, with communities and alongside other government agencies by fostering partnerships, developing a diverse workforce and prioritizing policies that facilitate upstream change to the social determinants of health (SDOH).



Health Equity Bureau

Community Health Workers (CHWs)

CHWs serve as a link between public health services and under-resourced communities, **increasing connectedness, facilitating relationship building and trust**, and comprehensively **addressing SDOH**.

- Diverse Workforce
 - 14 CHWs
 - 18 languages
 - 4 Certified Car Seat Tech
- Access to Services
 - 8,000+ referrals to wraparound services
 - 2,801 families received food boxes



Health Equity Bureau

Health Literacy Clinic Project

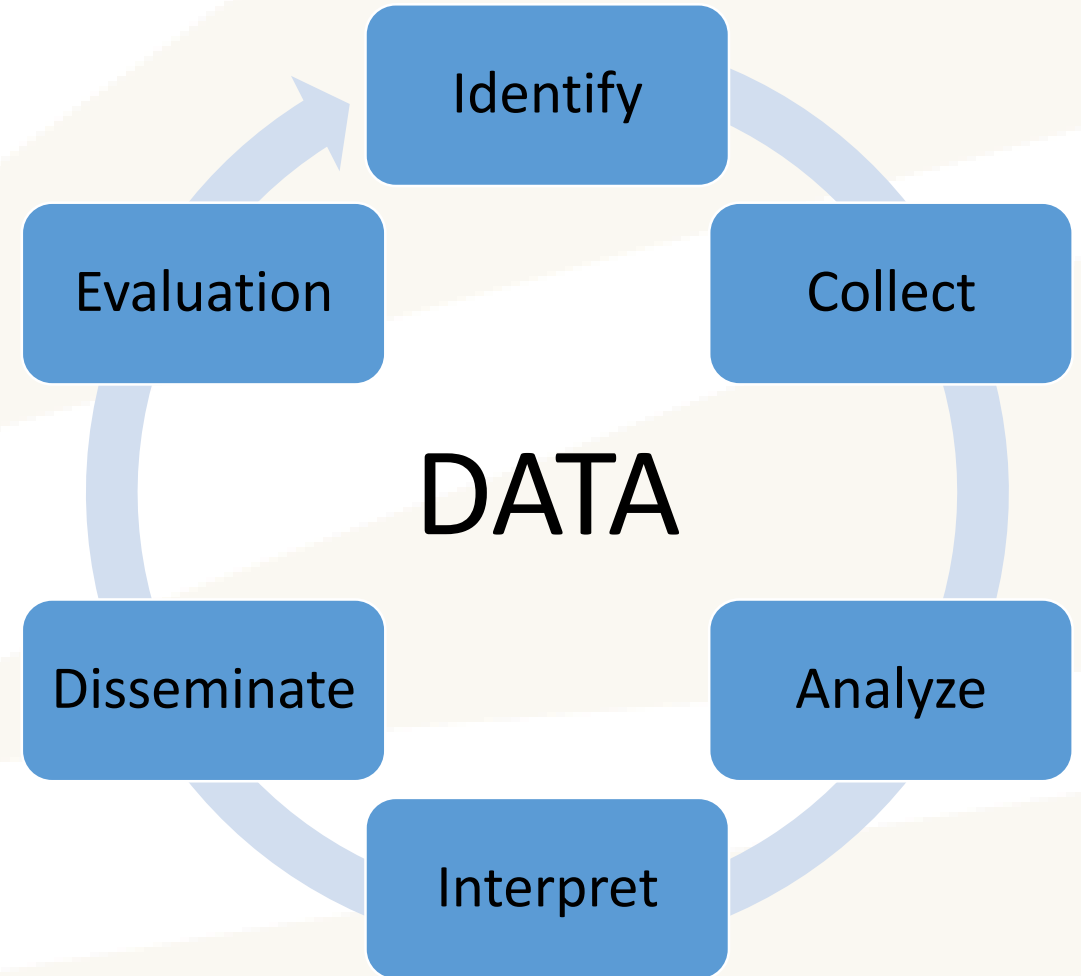
- Health communication is vital to health equity and reduction of health disparity
- Expands health literacy in healthcare settings through tailored QI projects
- Target of 8 clinics within priority zip codes
- Low cost and upstream approach that can impact hundreds of patients



Population Health & Informatics Bureau

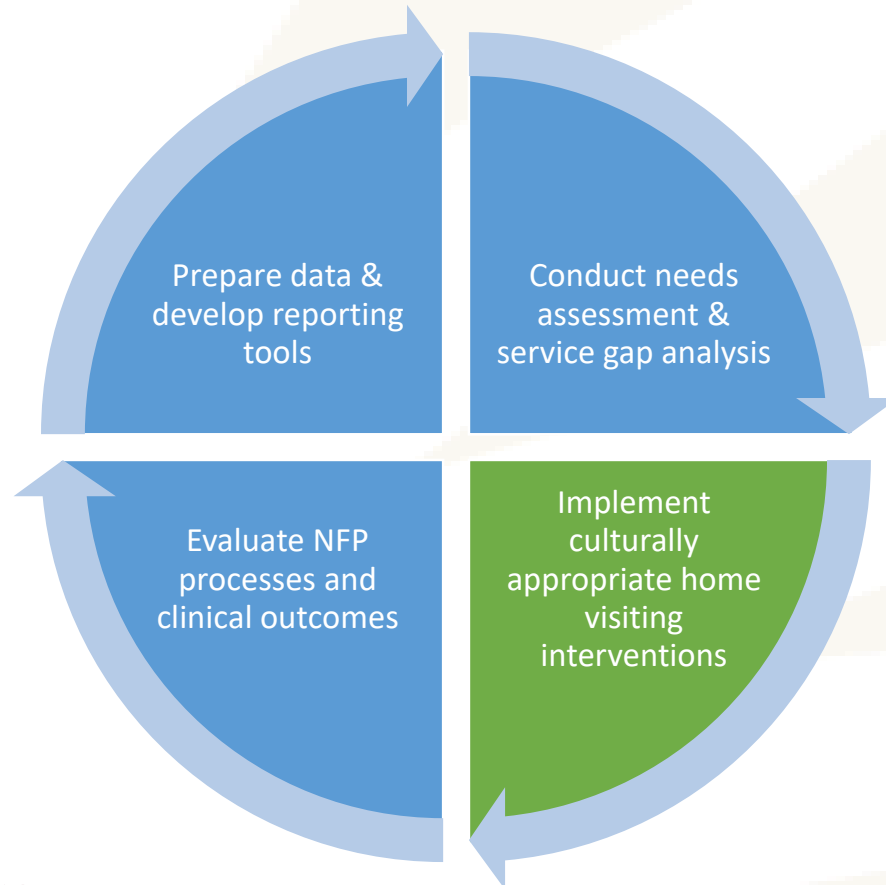
Actionable Data

- Development and implementation of informatics solutions to increase availability to data and improve efficiency
- Data analysis to increase understanding of populations and inform programming/ interventions
- Utilization of evaluation framework to support quality improvement

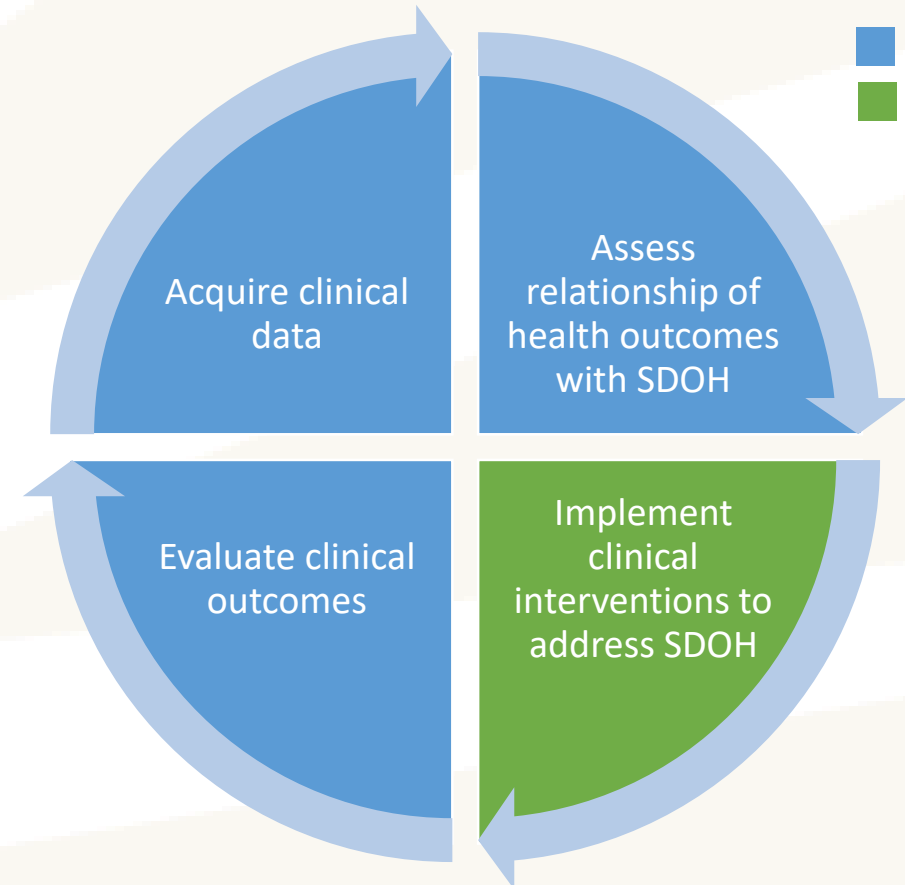


Population Health & Informatics Bureau

NFP*, IHC, CBO# collaboration to improve maternal and child health outcomes



Working with clinics to improve patient care through local SDOH^



■ PHIB
■ Health Dept programs & partners

*Nurse-Family Partnership
Community Based Organizations

^Social/structural Determinants Of Health

Population Health & Informatics Bureau

Opioid Databank & Dashboard

- Incorporates public health and public safety data sets
- Links records to understand the relationships between overdose and criminal justice → local opportunities for intervention & prevention
- Provide situational awareness for internal and external partners



Emergency Preparedness Bureau

Planning and Response

- Promote preparedness through collaborative planning, exercising and evaluation
- Facilitate community resiliency through preparedness



Emergency Preparedness Bureau

Medical Reserve Corps (MRC)

- Has grown to over 2,000 volunteers in past two years
- Supports community events (SL Marathon), as well contributing medical and nonmedical personnel in Health Department surge (Employee Flu Clinics, Back to School Vaccinations) and response (Hepatitis A, COVID)
- **Top MRC unit in FEMA Region 8 (CO, ND, SD, MT, UT, WY) for number of volunteers and hours committed**



Emergency Preparedness Bureau

Exercises

- Conducts 2-4 small- and large-scale exercises annually in partnership with hospitals and other healthcare facilities, first responders and community partners
- Integrates daily Health Department operations and logistics into planning and response functions
 - Use of HD warehouse to provide medical supplies to clinics
 - Use of Incident Command System (ICS) to manage large vaccination events (employee flu clinics, back to school vaccinations)

