

Hawaii Department of Health
Adult Mental Health Division (AMHD) and the University of Hawaii

OD2A Hawaii Linkages to Care and Innovative Surveillance

Overdose Data to Action (OD2A) Hawaii

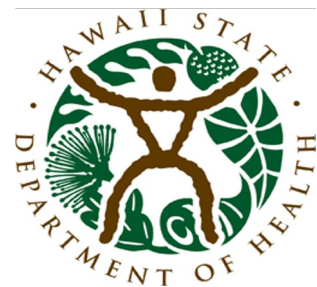
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Agenda

- State Department of Health's and the importance of collaborating with Judiciary partners
- Introduction to Avatar-ASUS Data Linkage
- Background research, preparation
- Data requests, data governance and partnership
- Data transfer
- Data cleaning and analysis
- Findings published in Journal of Public Health Practice and Management
- Future Directions
- Implications for Linkages to Care



Innovative collaborations

Partnerships that work and the leadership needed to make it happen.





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Pūpūkahi i holomua
Unite to move forward



AVATAR-ASUS Data Linkage

Partnership:

State of [Hawaii Interagency Council on Intermediate Sanctions \(ICIS\)](#), a statewide partnership between Hawaii State Judiciary, Department of Public Safety, and Department of Health (DOH).



Goal of Data Linkage:

To assist ICIS with surveillance of the substance use and mental health needs of adults involved in the criminal justice system and support efforts to reduce recidivism.



Data Sources

Avatar

An electronic health record system used by behavioral health facilities of the DOH Adult Mental Health Division.

Mental health assessment and treatment data.

Utilized data from persons admitted to the Hawaii State Hospital (HSH)

Cyzap

A data platform used by ICIS

Substance use assessment and mental health screening data among individuals in the criminal justice system.



Adult Substance Use Survey- (ASUS)

- Probation officers administer the [\(ASUS-R\)](#) at the start of the probation period and every six to twelve months (depending on level of need) to assess for alcohol and drug use and mental health
- Training with the creator of the ASUS tool, Dr. Kenneth Wanberg.
- Goal of the training was to help support use of the tool and data entry.



Background Research and Preparation

- Developed workflows of mental health screenings and substance use screenings used in ICIS systems.
- Collected copies of scales and codebooks.
- OD2A met with agency leadership and program staff responsible database systems at each agency.
- Took stock of data format, available identifiers and transferability.

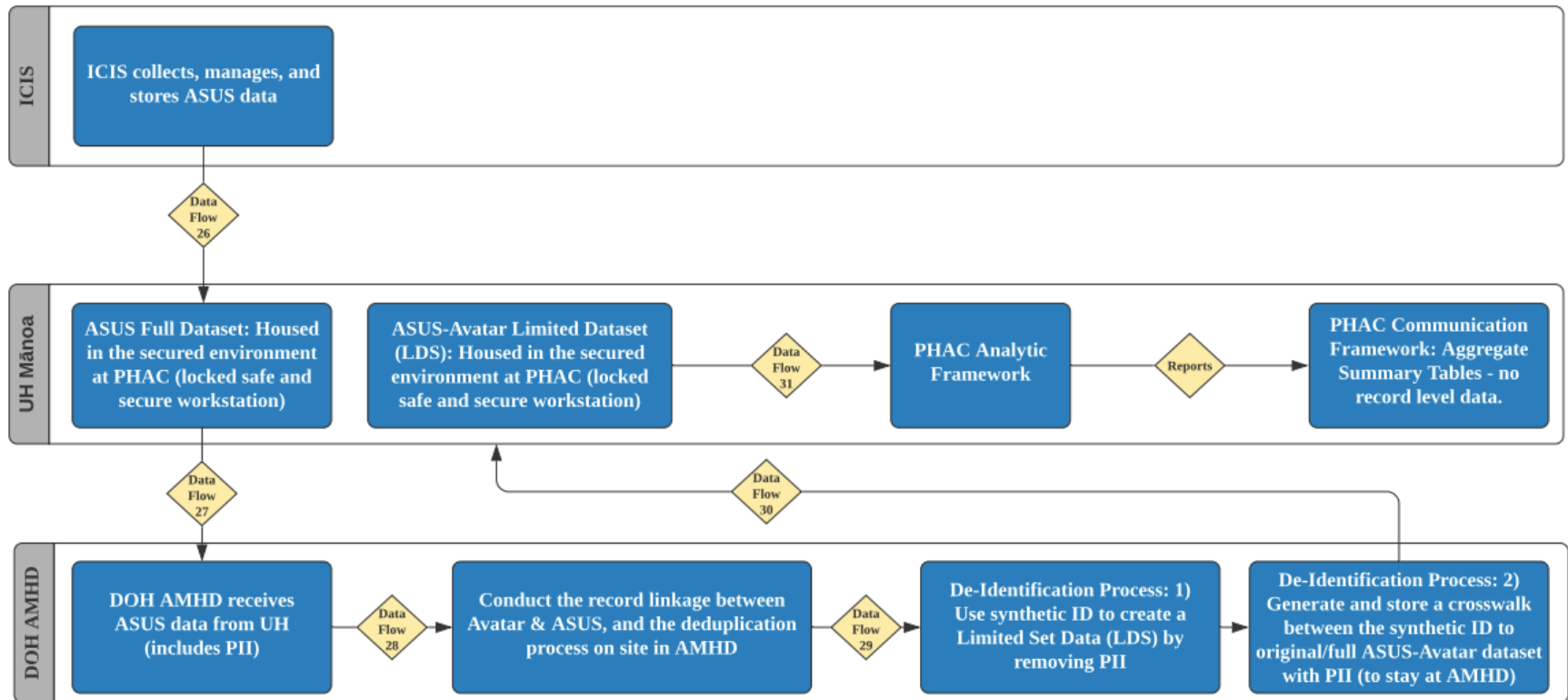


Data governance, Partnerships and Data Transfer

- Regular communication was established with and between partnering organizations and OD2A.
- Memorandums of Agreement between ICIS and DOH to outline expectations with respect to data sharing and data security.
- Completed data request and transfer agreement forms required by ICIS and AMHD.
- Data governance process forms as required by the university.
- UH OD2A facilitated movement of the datasets to a secure workstation at AMHD.



OD2A AVATAR-ASUS Data 2021-05-28



Personally Identifiable Information (PII) includes: Social Security Number, First/last name, Day/Month/Year of Birth, Date of Event, State Identification Number (SID)

Limited Dataset (LDS) includes: Month/Year of birth, Date of event, synthetic ID, gender, race

Department of Health (DOH), Adult Mental Health Division (AMHD), Interagency Council on Intermediate Sanctions (ICIS), Adult Substance Use Survey (ASUS)

Analysis and Linkage

- Records were linked using R record linkage package.
- Used first and last name, date of birth and gender, clientID, AgencyclientID

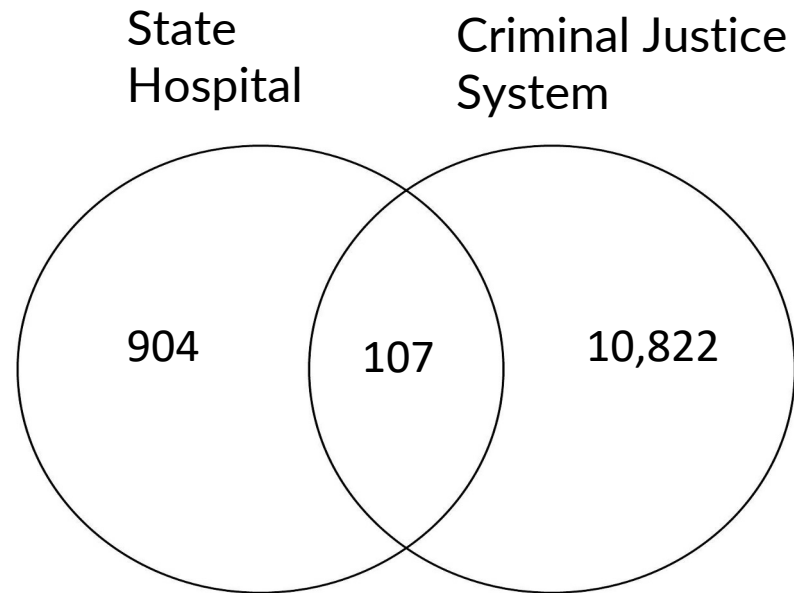


Findings in terms of highest needs

- 2017 - 2020

- 44 of which were observed to have an HSH encounter following initial ASUS assessment.

- Identified 107 individuals who were both HSH patients and involved with the criminal justice system.



Future Directions

- This linkage project was published in the Journal of Public Health Practice and Management as a Hawaii Practice Brief.
- Next, we aim to expand knowledge of substance use in Avatar-ASUS population overlap using substance use diagnosis data from MISA (Mental Illness and Substance Use) specialists.
- Include more AMHD forensic consumers from outside HSH / highest mental health or psychiatric needs.



Implications for Linkages to Care

- There may be fewer clients who need in-patient treatment and more need for treatment at other / lower service levels.
- One implication may be that more clients should be referred to community mental health centers and out-patient treatment.
- Survey results indicate that some respondents might not need intensive in-patient hospitalization.



AMHD Service Array

Least Intensive

Most Intensive

Outreach and Linkages	Recovery Services	Outpatient and Integrated Care	Group Home & Residential Services	Intensive Community-Based Support	Comprehensive Crisis Services	Inpatient Hospitalization
← Case Management (avail to all AMHD consumers; required for forensic consumers) →						
Homeless outreach Eligibility determination	Clubhouse Peer coaching Peer specialist Shelter+care (homeless) Supported employment Supported education Representative payee	Outpt psychotherapy Medication management Day treatment Intensive Outpt Hosp Living Well Hawai'i	Specialized residential services population Expanded adult res care home Therapeutic Living Program 24 hr group home 8-16 hr group home Semi-independent housing Supported housing	Intensive CM (ICM+): -High utilizers -Homeless	24/7 CARES line Crisis Mobile Outreach Crisis Support Mgmt Crisis Stabilization beds Licensed Crisis Res Ser ICM+ based model Disaster services Mental health emergency worker (MHEW)	Hawai'i State Hospital Community hospitals

Forensic Services:

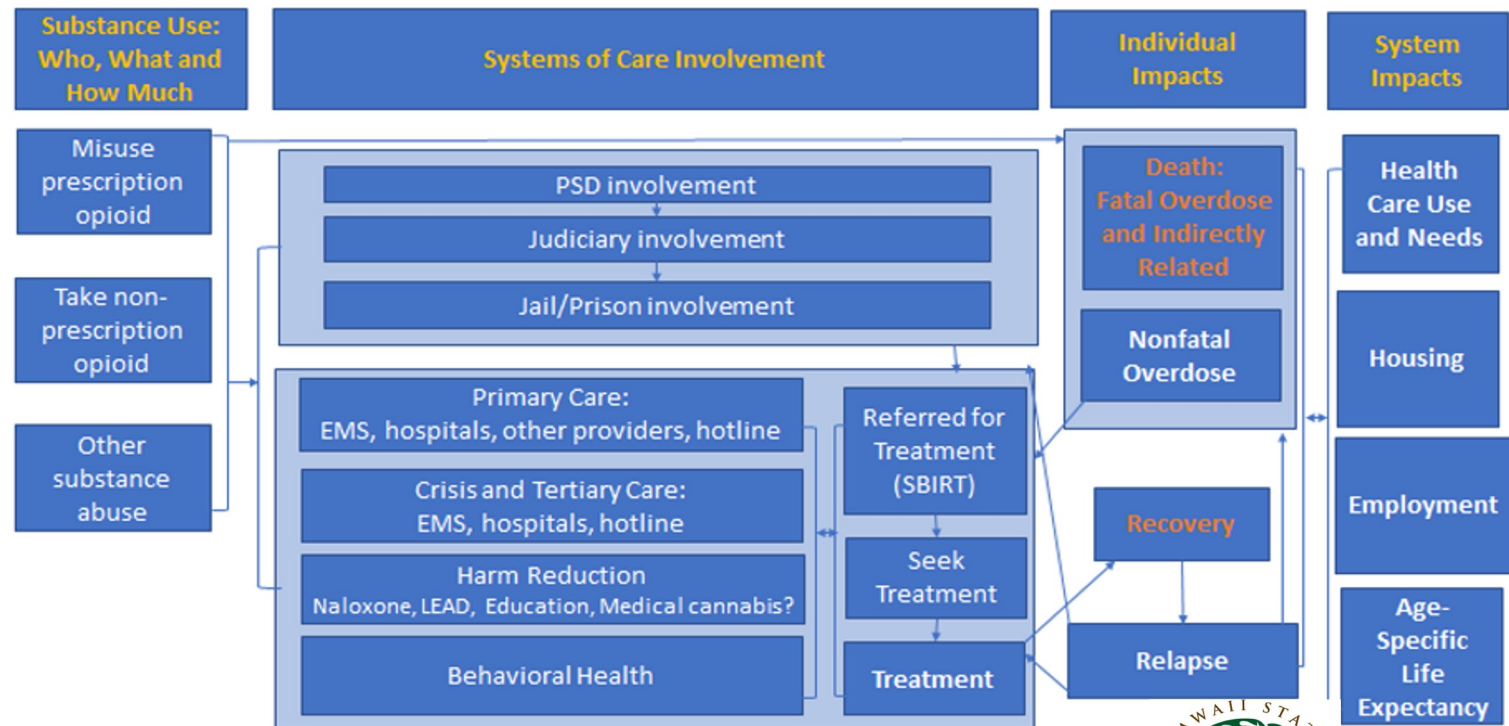
Jail-based clinical services • Court-ordered forensic evaluations • Jail diversion • Mental Health Court • Fitness restoration • Conditional Release Exit Support and Transition Program

ASUS Mental Health Survey Questions for Native Hawaiian, Asian and Pacific Islanders Who Are / Were Incarcerated

Mental Health Questions	Hardly at All	Yes, Sometimes	Yes, a Lot	Yes, All the Time
Have you felt like not wanting to live or like taking your life?	87%	11%	1%	1%
Have you felt down and depressed?	43%	44%	10%	3%
Have your moods been up and down from very happy to very depressed?	58%	33%	7%	2%
Have you had problems sleeping?	55%	32%	8%	4%



Individual and System Impacts of Opioid Epidemic: Logic Model



Q and A



Partnerships that support communities and promote data to action

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