

Welcome

Actionable Intelligence for Social Policy (AISP)

School of Social Policy & Practice

University of Pennsylvania



Chris Kingsley

Director of Data Tools and Measurement

Annie E. Casey Foundation

(No slides)



Plenary 2

Integrating data to evaluate policy experiments and drive economic mobility

Della Jenkins
Executive Director
Moderator



At any point, drop
questions into the chat.

Agenda

- Katy Collins, Allegheny County DHS
- Jennie Romich, University of Washington
- Amy Castro, University of Pennsylvania
- Cross-talk
- Q&A

Katy Collins

Allegheny County Department of Human Services





Allegheny County
Department of
Human Services

Integrating data for operations, policy design and evaluation

**Katy Collins, Chief Analytics Officer,
Allegheny County Department of Human Services**

June 22, 2022



Allegheny County Department of Human Services



- Provide publicly-funded human services to about 20% of the population of Allegheny County (~200,000 people)
- Actively case manage more than one-third of those individuals
- Manage a total budget over \$800 million (130 funding sources)
- Fund approximately 400 providers, for more than 1,600 distinct services
- Employ about 1,000 individuals



Allegheny County
Department of
Human Services

PRIORITIES

WHAT DHS IS HERE TO DO



DHS provides support and services so that people can thrive.

We support people during their most vulnerable times and help prevent crises.

We help children and youth grow up safer and healthier and help adults live more securely and independently.



OUR PLAN: THE GOALS

TO SERVE PEOPLE IN THE COUNTY, WE WILL WORK WITH OUR PARTNERS AND COMMUNITIES TO:



Create big, wide-open access to human services to make sure people get the right help when they need it.



Prevent harm and reduce the use of coercion, so individuals and families can avoid entering systems whenever possible.



Increase our investments in economic security.



Support people, their families and first responders during crises.

OUR PLAN: THE STRATEGIES

ACCESS

24/7 Front doors
Common database of services and help
People who know

PREVENT OVERUSE OF COERCIVE SERVICES

Child protective services
Juvenile justice
Criminal justice

PREVENT HARM

Homelessness
Overdose
Violence



CRISIS

Mobile response
Community response
Peer respite



Childcare
Public benefits
Transportation
Cash transfer

ECONOMIC SECURITY



Integrated Data Systems



Childhood & Education Services

Early Intervention
HeadStart
Homevisiting
Family Support Centers
Child Welfare
Family Court
Pittsburgh Public Schools + 16
additional School Districts
**Community College of Allegheny
County**



Basic Needs

Homeless
Housing Supports (+**Rental Assistance**)
Public Benefits
Public Housing
Employment/Unemployment
Transportation (for medically fragile)
Aging services & supports
United Way*



Physical & Behavioral Health

Mental Health Services (Medicaid & Uninsured)
Substance Use Services (Medicaid & Uninsured)
Physical Health Services (Medicaid)
UPMC Health Plan (Commercial)
Intellectual Disabilities



Juvenile & Criminal Justice

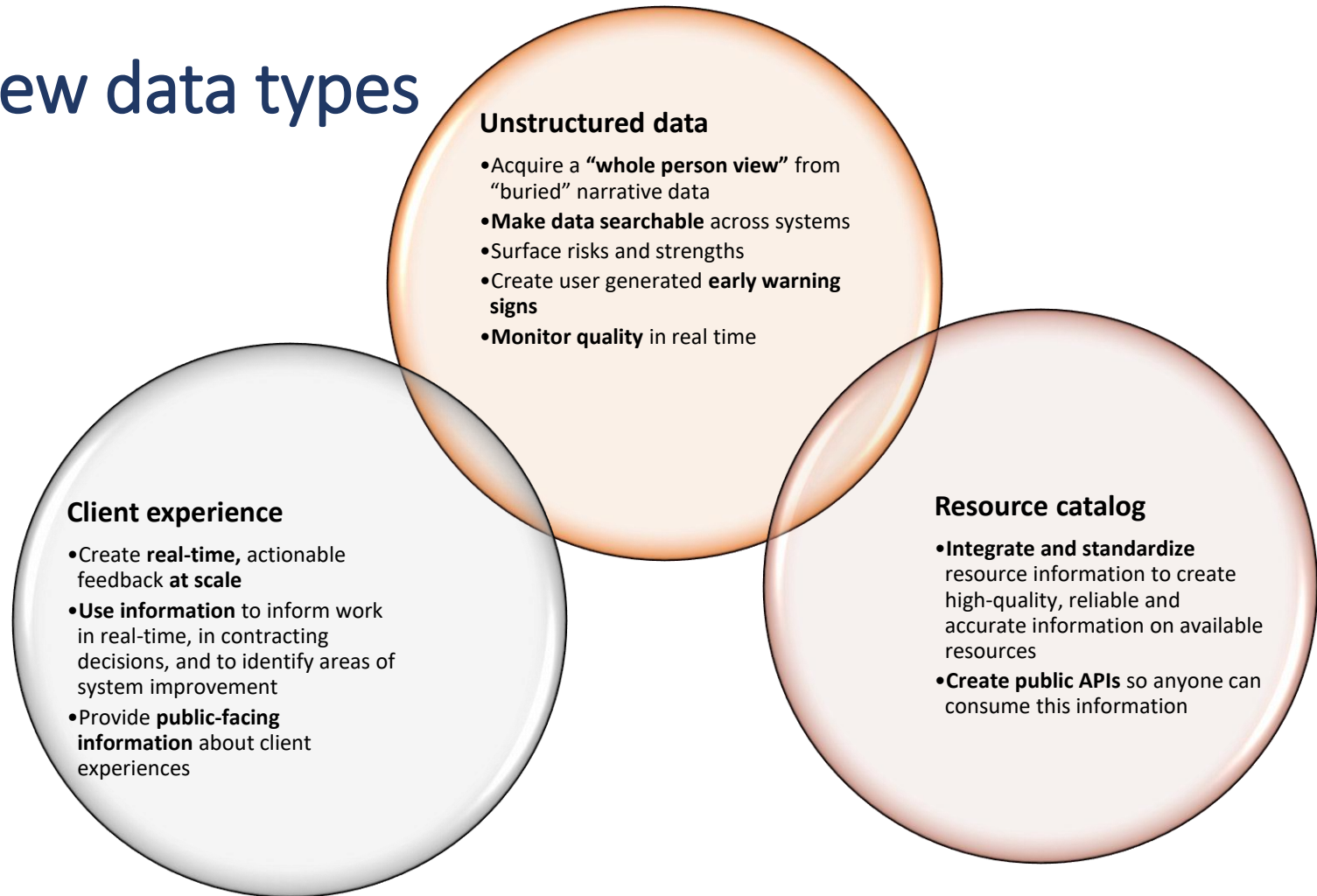
Juvenile Probation
Delinquency
Pittsburgh Bureau of Police
Criminal Court (inc. Adult Probation,
Pretrial Services)
Allegheny County Jail
911 Dispatches
Shuman Juvenile Detention Center



Vital Records

Birth Records
Autopsy Records

New data types



Using data in policy experiments



**Operational/
Outreach**



**Eligibility and
targeting**



**Community Use /
Open Data**



Research

Client View

CV

Allegheny County

Client View

About ClientView

New Search

Favorites 1

Client Portal

Contact Us

Jane Doe

View Client Workers 0

View Addresses/911 0

Basic Info

SOCIAL SECURITY #
###-##-9879
SHOW FULL NAME

DATE OF BIRTH
09/01/1982

COUNTY MCI #
234595958

STATE MCI #
98176378928

MA RECIPIENT #
010928374

AGE / GENDER
38 / Female

RACE
Black/African American

ETHNICITY
Not Hispanic

MARITAL STATUS
Single - Never Married

LIVING ASSIGNMENT
Living Alone

Contact

HOME ADDRESS
255 South 18th Street
#304,
Pittsburgh, PA 15203

CELL
+1 (412) 123-2934


HOME
+1 (412) 586-7194


EMAIL
JaneDoe25@gmail.com


Services & Documents


Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Morbi tristique senectus et netus et malesuada fames ac turpis. Ullamcorper dignissim cras tincidunt lobortis feugiat vivamus at augue eget. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.


Timeline View


All Services
14 Services



All Documents
8 Documents



Behavioral Health



Child Welfare
1 Case Worker
2 Services
2 Documents



Community & Employment Support



Criminal & Juvenile Justice



Developmental Support



Education Services & School Activity
1 Case Worker
3 Services


Housing & Shelter
2 Services


Life Events


Physical Health
4 Services
4 Documents


Seniors


State & County Public Benefits
3 Services
2 Documents




Allegheny County Department of Human Services

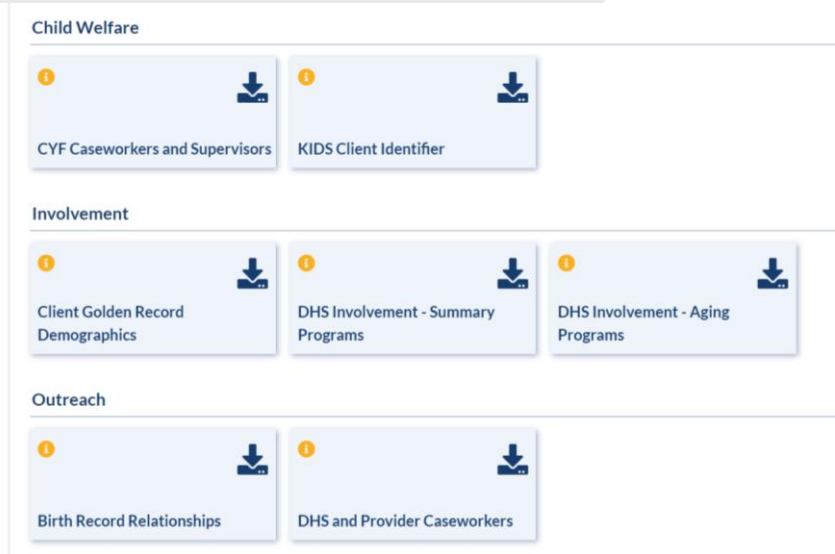
Rollout of the first phase of a redesigned social services record system (formerly Client View) designed to provide better, easier access to personal social services information for residents of Allegheny County, so that DHS clients (and/or the family members that care for them).

1. Can view and better understand the information collected about them and,
2. Better track and coordinate their own treatment and care.

Provider connect

Goals:

- Allow providers access to **self-service information** from the integrated data system
- Provide basic aggregations that are meaningful (**market share, outcomes by provider type**)



Provider Connect



This tool is available to contracted DHS providers and partners to obtain more information from the county data warehouse for individuals a provider is serving. It is offered to providers by DHS in an effort to improve business operations and enable more efficient service to clients being served across our provider network.

Using data in policy experiments



**Operational/
Outreach**



**Eligibility and
targeting**



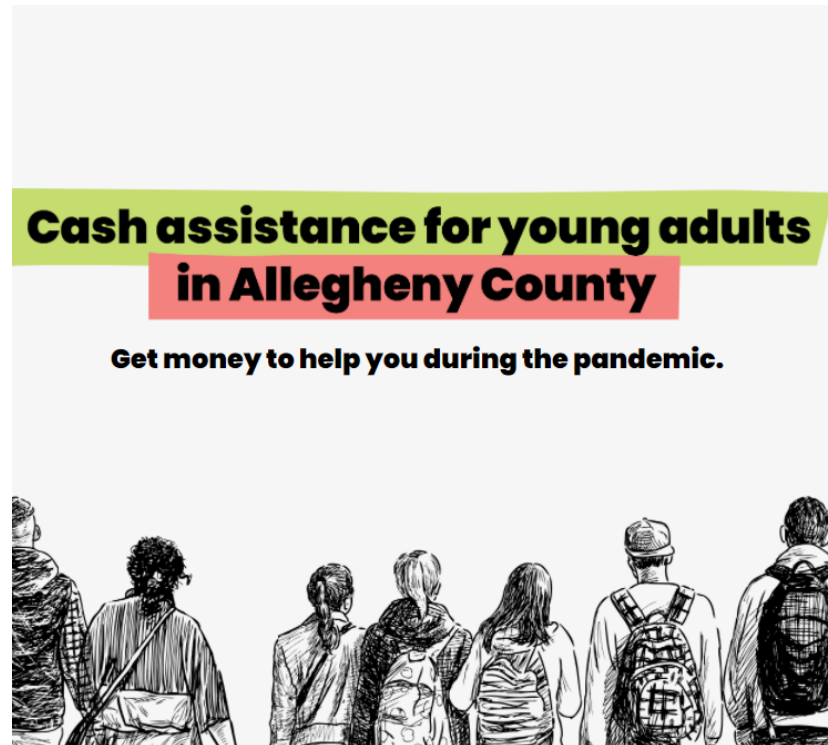
**Community Use /
Open Data**



Research

Outreach and evaluation

- Provided \$2,000 to about 1,900 eligible youth in 2 rounds of payments (\$3.7 million from Chafee funds)
- **Used integrated data to conduct outreach** via direct text, identification of workers who had relationships
- **Using integrated data to evaluate outcomes** in addition to survey data.
 - **UI data:** 48% of youth were working prior to receipt of money compared to 57% after the last payment.
 - Mirrors self-reported data



Using data to target interventions (and test efficacy)

- Use of integrated data to prioritize interventions
- Use of data to understand implementation fidelity
- Use of data to measure outcomes



AHA

Allegheny Housing Assessment

<https://analytics.alleghenycounty.us/2020/09/09/hello-baby-program-to-support-parents-of-new-babies-in-allegheny-county/>
<https://analytics.alleghenycounty.us/2020/09/03/improving-prioritization-of-housing-services-implementation-of-the-allegheny-housing-assessment/>

Using data in policy experiments



**Operational/
Outreach**



**Eligibility and
targeting**



**Community Use /
Open Data**



Research

Data and analysis for informed and equitable decision-making

An information hub to better understand
issues affecting Allegheny County residents.
[Learn more about our data sources.](#)

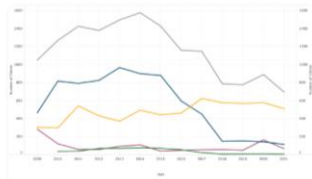
Enter a phrase or keyword

Search

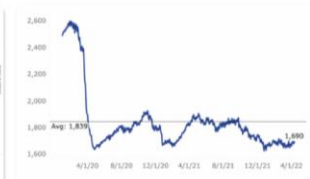
Examples: *foster care, housing, gun violence*



Featured Work



**Point-in-Time Count of People
Experiencing Homelessness:**



**Population of the Allegheny
County Jail: Interactive**

Data Tools



Quick Count

Access data about residents'
involvement with public systems,
and examine overlaps in services.
Filter by time frame, location and
demographics.

<https://analytics.alleghenycounty.us/>

Resources for public use



COVID-19 and Employment of Human Services Clients

FEBRUARY 18, 2022
REPORTS



Impacts of Housing Displacement on the Residents of Bethesda-Homewood Properties

NOVEMBER 8, 2021
REPORTS



Application Process and Payments

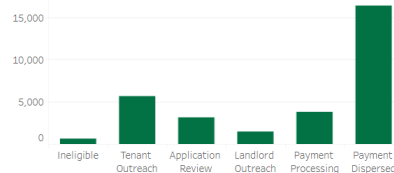
This page shows information about the number of applications submitted, where they are in the process and payment breakdowns for rent and utility assistance.

Use Submitted Date and Payment Date on the right to choose a time period.

Total Number of Applications Submitted

32,735

Application Status Overview



Average Daily Number of Submitted Applications

1

Rolling 7 Day Daily Average of Submitted Applications



Total Number of Applications with a Rent or Utility Payment

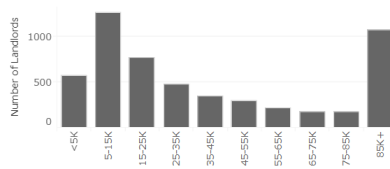
15,820

Total Amount Paid for Utility and Rental Assistance

\$104,063,470.73

Date Level Selector
Week

Distribution of Total Rental Amounts Paid to 5701 Landlords



Total Rent and Utility Payment Amount by Day and Running Total



Rental Assistance Payments

Use the **utility or rent filter on the right** to display information regarding rental or utility payments that have been distributed thus far.

Rent or Utility
Rent

Applications with Payments for Rent



Total Amount of Rental Assistance Paid

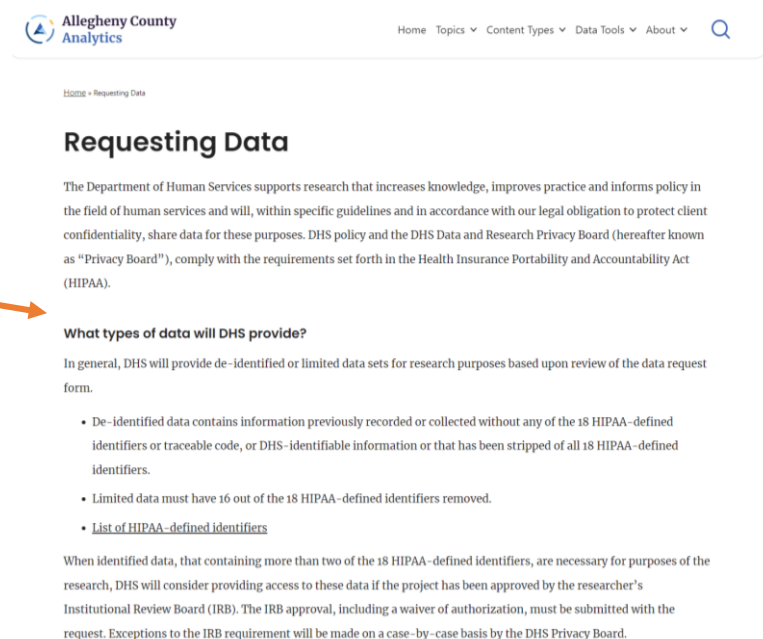
\$110,262,743.65

Average Amount Rental Assistance Paid Per Application

\$7,026.24

Partnerships and data

- **University partnership initiative** – RFQ in 2018
 - Encourage collaboration amongst partners
 - Partner on common interests
 - Seek out partners on key projects (e.g., evaluations, planning initiatives)
- **Share our data** through formal process
<https://analytics.alleghenycounty.us/requesting-data/>
- **Open data** – synthetic data projects



The screenshot shows the 'Requesting Data' page on the Allegheny County Analytics website. The page header includes the Allegheny County Analytics logo and navigation links: Home, Topics, Content Types, Data Tools, and About. A search icon is also present. The main heading is 'Requesting Data'. Below it, a paragraph states: 'The Department of Human Services supports research that increases knowledge, improves practice and informs policy in the field of human services and will, within specific guidelines and in accordance with our legal obligation to protect client confidentiality, share data for these purposes. DHS policy and the DHS Data and Research Privacy Board (hereafter known as "Privacy Board"), comply with the requirements set forth in the Health Insurance Portability and Accountability Act (HIPAA).' The section 'What types of data will DHS provide?' follows, with a subtext: 'In general, DHS will provide de-identified or limited data sets for research purposes based upon review of the data request form.' A bulleted list specifies: 'De-identified data contains information previously recorded or collected without any of the 18 HIPAA-defined identifiers or traceable code, or DHS-identifiable information or that has been stripped of all 18 HIPAA-defined identifiers.', 'Limited data must have 16 out of the 18 HIPAA-defined identifiers removed.', and a link to 'List of HIPAA-defined identifiers'. A final paragraph explains that when identified data is necessary for research, DHS will consider providing access if approved by the researcher's Institutional Review Board (IRB), with a waiver of authorization submitted with the request. Exceptions to the IRB requirement will be made on a case-by-case basis by the DHS Privacy Board.



<https://analytics.alleghenycounty.us/>



Kathryn.Collins@alleghenycounty.us

Jennie Romich

University of Washington

Washington Merged Longitudinal Administrative Data



Researcher-developed state-wide integrated administrative data



Jennie Romich

University of Washington

AISP Network Meeting, June 22, 2022



Team science! Thank you to...

Supporters & funders: Arnold Ventures, Center for Equitable Growth, JPB Foundation/Institute for Poverty Research, City of Seattle, WorkRise
UW Center for Studies in Demography & Ecology
UW eScience Institute

Colleagues along the way: Tess Abramson-Richards, Scott Allard, Anne Althausen, Sara Curran, Callie Freitag, Heather Hill, Mark Long, Jennifer Otten, Elizabeth Pelletier, Bob Plotnick, Anita Rocha, Jake Vigdor

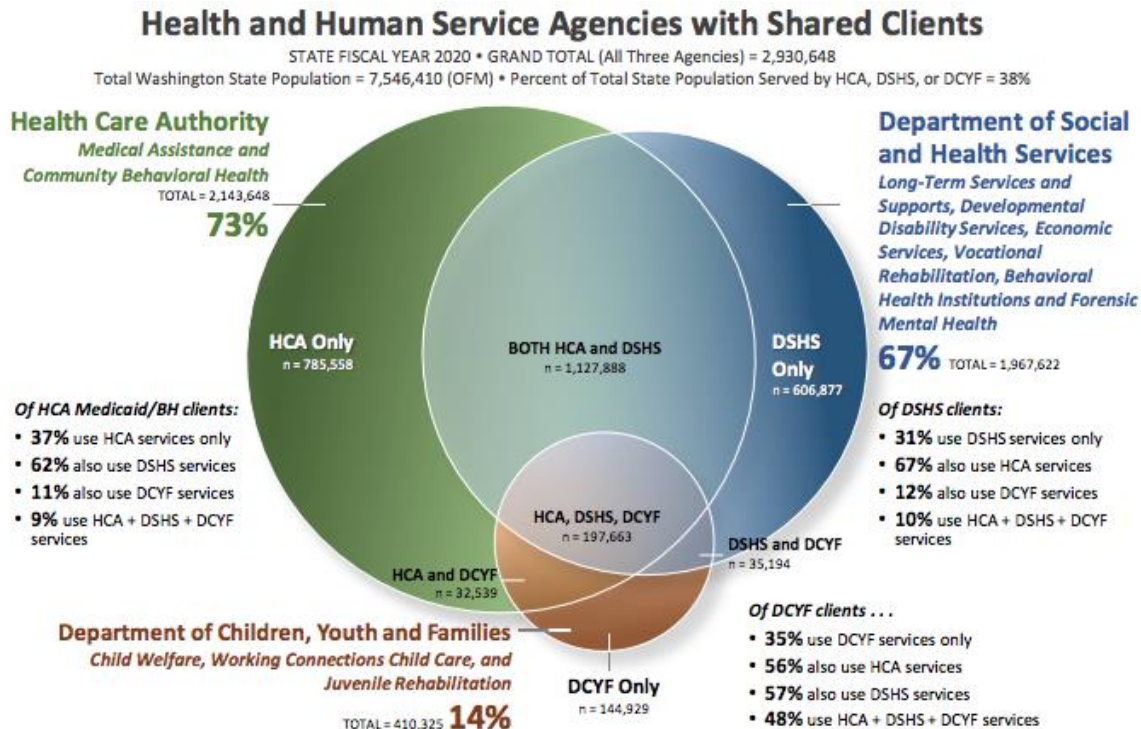
State of Washington collaborators, especially Jim Mayfield and David Mancuso at DSHS-RDA, Shane Riddle at DSHS-ESA, and more.



how it started



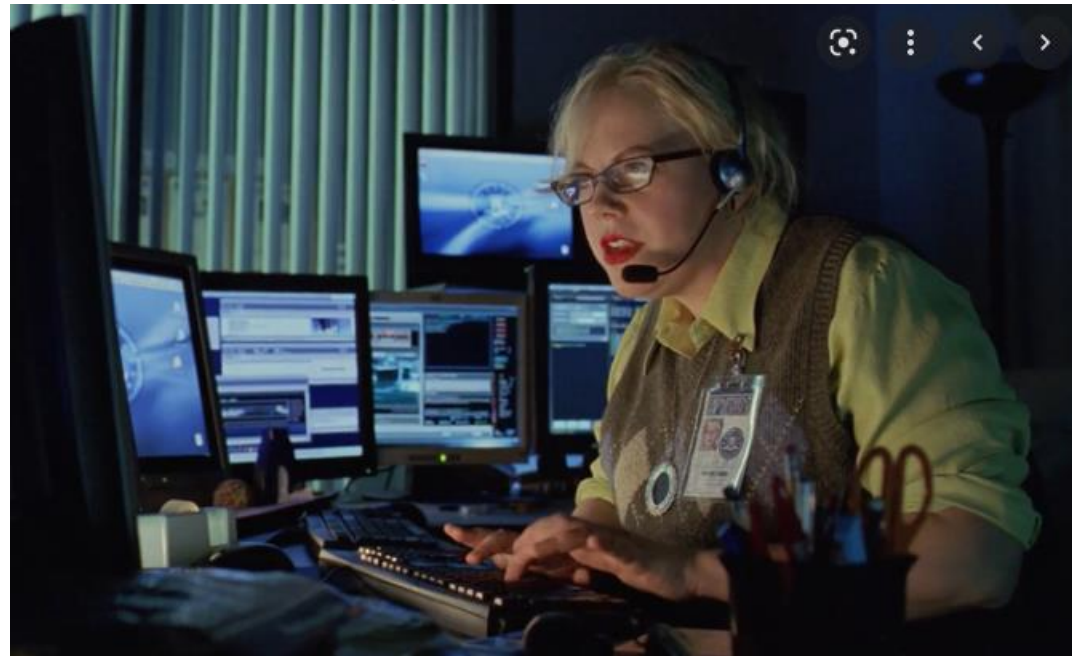
Washington State Already Does This... For Some



The Research and Data Analysis (RDA) division at the Department of Social and Health Services (DSHS) maintains the Integrated Client Database (ICDB)

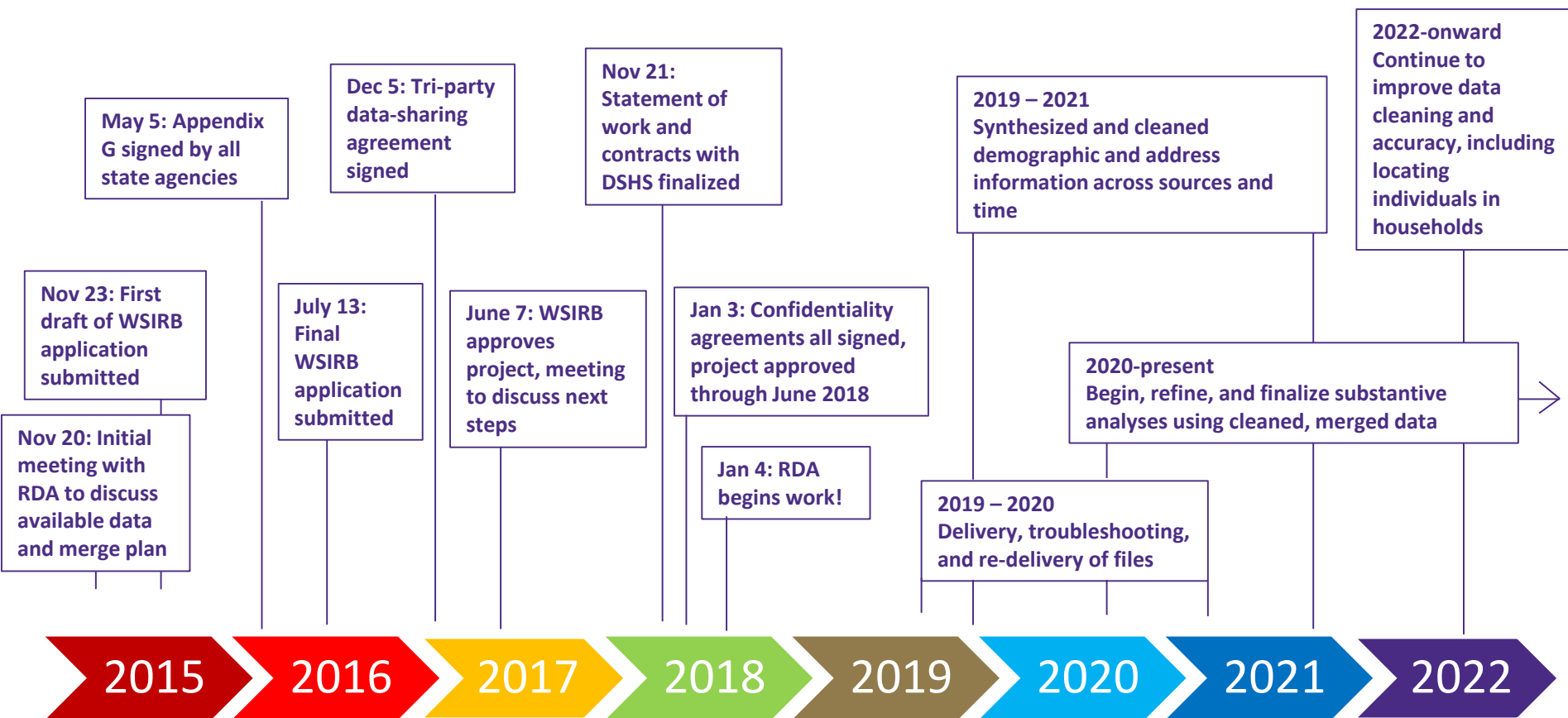
Vision: Augment Unemployment Insurance (UI) records to capture geography, household status, transfer income, race and ethnicity, and other measures.

Vision: Augment Unemployment Insurance (UI) records to capture geography, household status, transfer income, race and ethnicity, and other measures.



how it started how it was going





The Washington Merged Longitudinal Administrative Data



- > **Records from seven state agencies**
- ✓ **Linked** with unique person identifier
- ✓ **Longitudinal** – all sources cover at least 2010-2016
- ✓ Residential address location at **Census block level**
- ✓ Race/ethnicity categories **include Asian-American and Native American/Indigenous peoples**



The Washington Merged Longitudinal Administrative Data



AGENCY	RECORD TYPE
Employment Security Department	Employment records to administer Unemployment Insurance
Department of Social and Health Services; Health Care Authority	Program participation and benefit receipt
Department of Health	Birth certificate records
Secretary of State	Voter records
Department of Licensing	Drivers license records
Washington State Patrol	Arrest records



Post-merge work

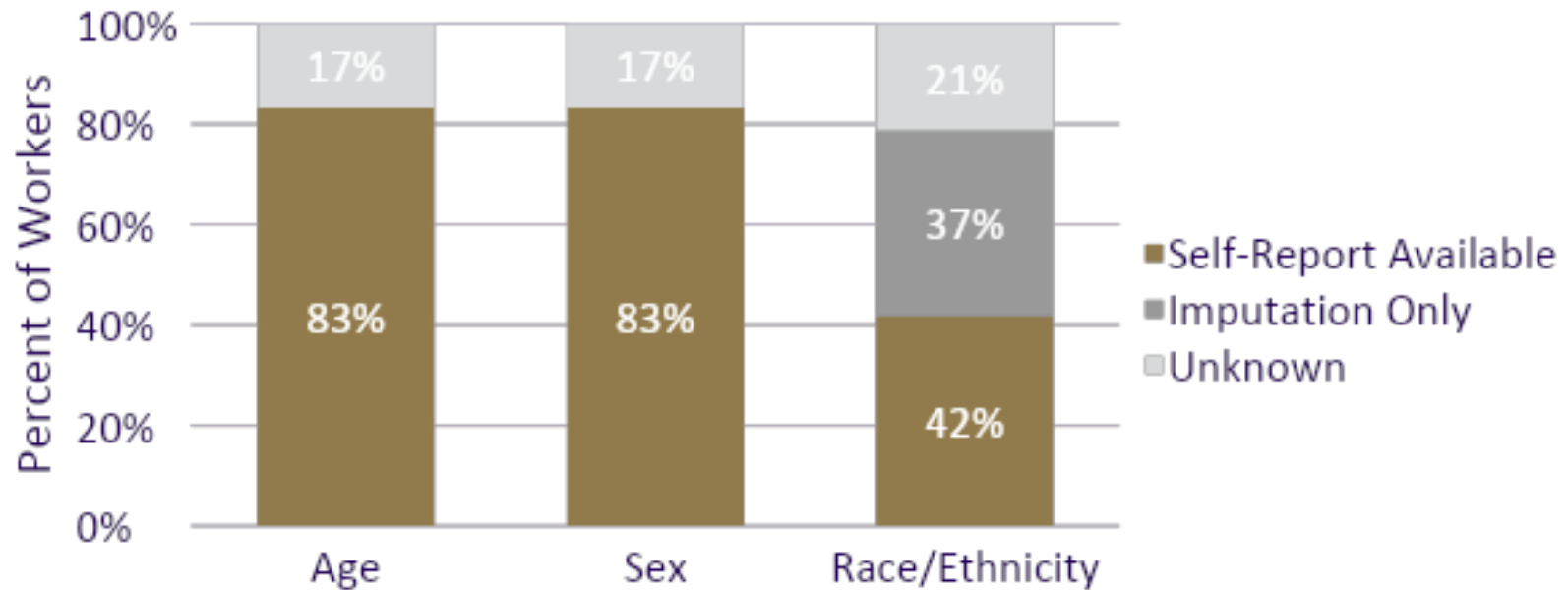


Individual demographics	✓
Residential histories	✓
Household construction	in process

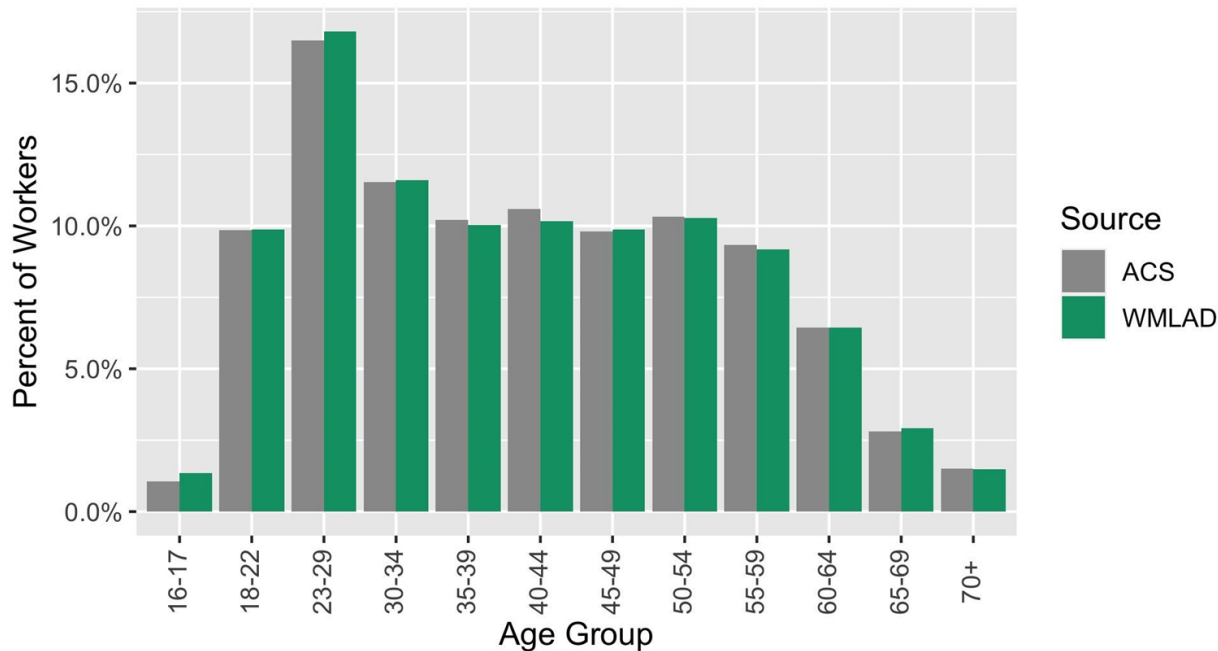
W

Overlap: Demographic data & UI records

Of all workers in UI-eligible jobs, 2010-2016



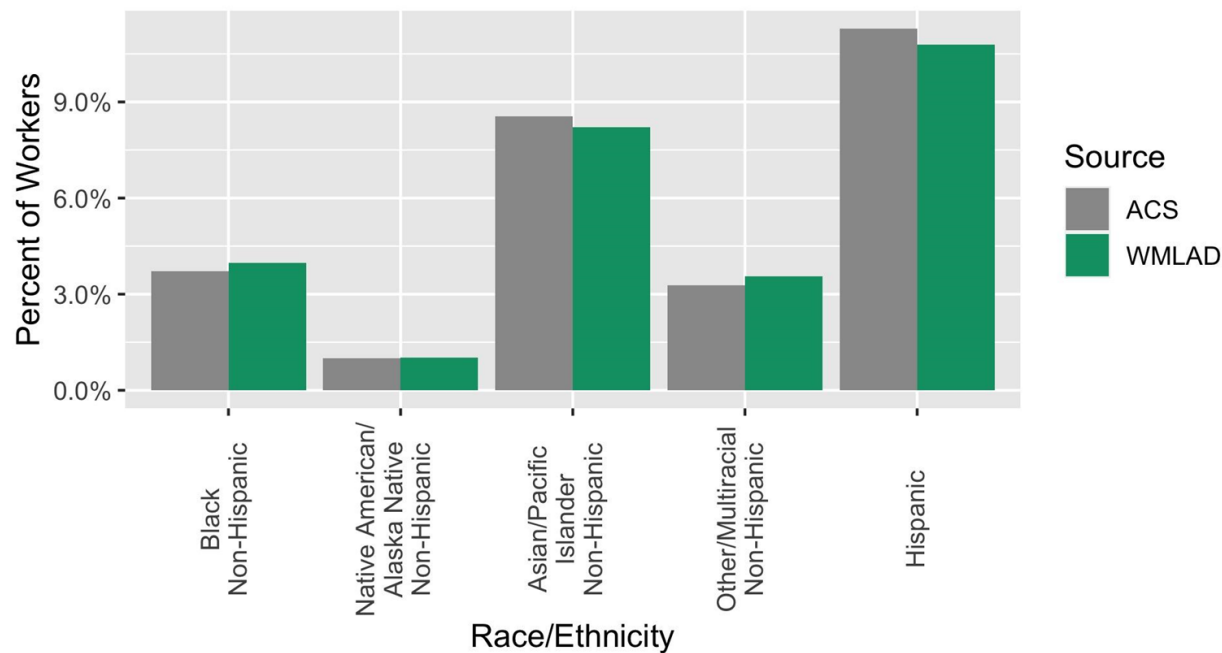
How Accurate is WMLAD?



Composition of Employed Population by Annual Earnings, WMLAD vs. ACS, 2013



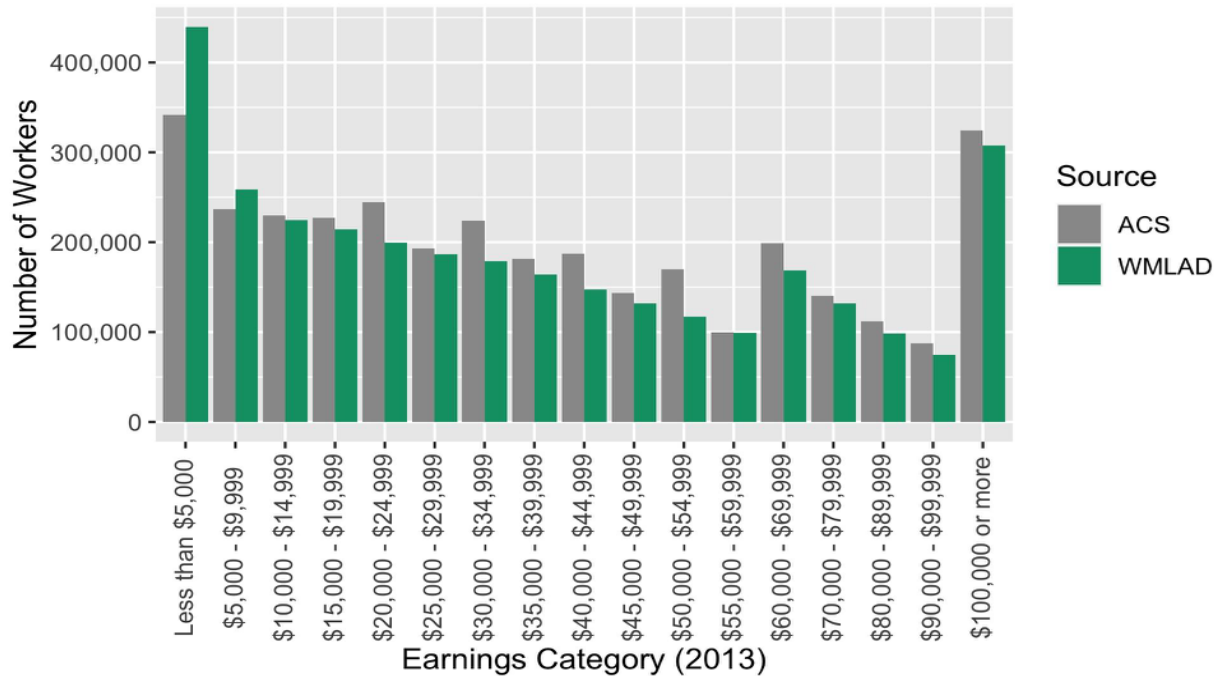
How Accurate is WMLAD?



Composition of Employed Population by Annual Earnings, WMLAD vs. ACS, 2013

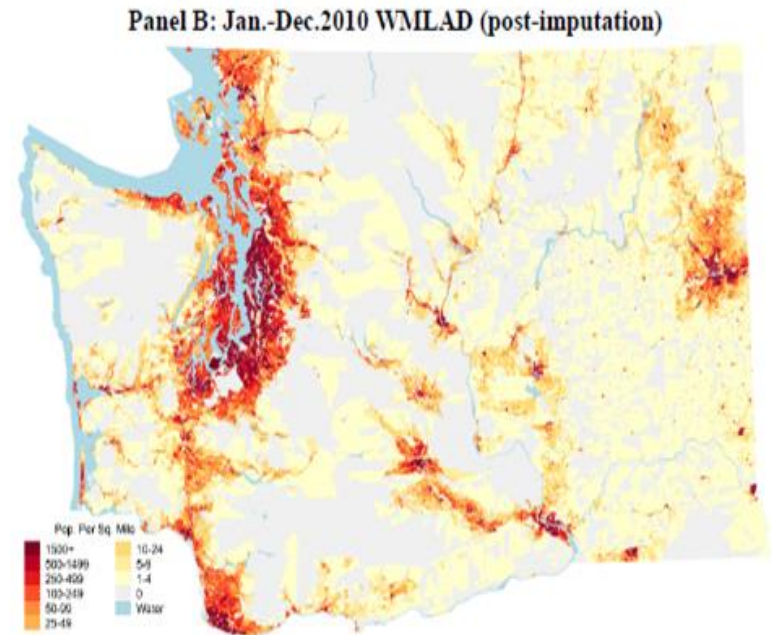
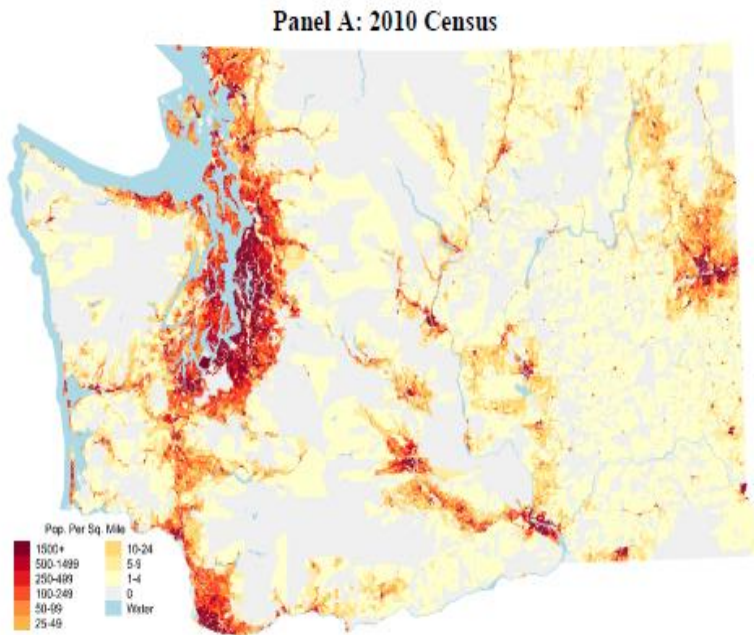


How Accurate is WMLAD?



Composition of Employed Population by Annual Earnings, WMLAD vs. ACS, 2013





Population density for each Census block in the state of Washington based on the 2010 Census (Panel A) and the average population January through December 2010 in WMLAD with observed addresses extended to months with missing addresses (Panel B).

Figure 4 from Long, Mark C., Elizabeth Pelletier, and Jennifer Romich. In press. Constructing Monthly Residential Locations of Adults Using Merged State Administrative Data. *Population Studies*.

how it started



how it's going



Thanks!



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@JennieRomich

<https://wmlad.github.io/>



Amy Castro

University of Pennsylvania

School of Social Policy & Practice

Center for Guaranteed Income Research

(No slides)



Q&A

Thank You
