# Nevada P-20W Research Data System (NPWR)

# 2024 Research Grant Opportunity

November 3, 2023

Kristen Dwyer, NPWR Manager
Governor's Office of Workforce Innovation

# Agenda

- Overview of NPWR
- Current Data
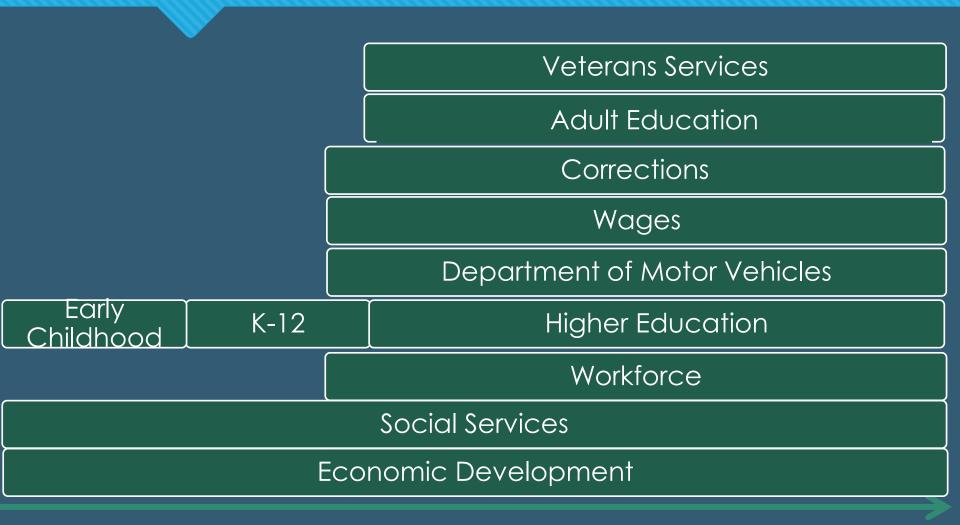- Research Projects
- Portal
- Next Steps

# Overview

- About
  - Implemented to link data from K-12 and post secondary education into the workforce
- Security
  - NPWR is not a centralized data warehouse, partner agencies host and control their data (federated architecture)
  - Data delivered in the Research Portal is removed after 10 days
  - Data delivered through the system is de-identified
  - Data in the system does not contain PII
  - Access to the system requires Authentication and Authorization
  - Agency governance and oversight

# Why NPWR

- Academic, Government and Industry Partnerships to move Nevada forward through data

- Create better outcomes for Nevadans

- Today represents the opportunity to help build and drive the Nevada Research Agenda
  - Holistic approach across education, workforce, social services domains
  - Longitudinal data solution to drive data driven policies solutions for Nevada

# Partners

Veterans Services

Adult Education

Corrections

Wages

Department of Motor Vehicles

Early Childhood

K-12

Higher Education

Workforce

Social Services

Economic Development
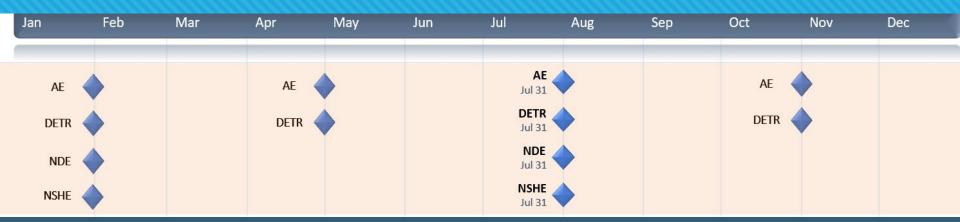
# Current Data

- Department of Education
  - Demographics
  - Early Childhood
  - Graduate & Non-Graduate
  - Career and Technical Education
  - Assessment
  - Foster Care
  - FRL & Direct Certification: SNAP, TANF, Medicaid, Homeless, Military Status
  - Courses
  - IEP
  - Migrant Status
  - *Teacher (road mapped)*
  - *Zip code (onboarding)*
- Adult Education
  - Adult Education & Family Literacy Act Performance Data

# Current Data

- System of Higher Education
  - Student Enrollment
  - Outcomes
  - Demographics
- Department of Employment, Training and Rehabilitation
  - Wage Data
- Department of Motor Vehicles
  - Data for matching only
- Division of Welfare and Supportive Services
  - Early Childhood
  - Demographics
  - First Language
  - Home Language

# Data Schedule

| Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|

AE (Feb) ◆

AE (Apr) ◆

AE — Jul 31 ◆

AE (Oct) ◆

DETR (Feb) ◆

DETR (Apr) ◆

DETR — Jul 31 ◆

DETR (Oct) ◆

NDE (Feb) ◆

NDE — Jul 31 ◆

NSHE (Feb) ◆

NSHE — Jul 31 ◆

## Data Update

- Adult Education: Quarterly
- DETR: Quarterly
- NDE + DWSS: Semi-annual
- NSHE: Biannual
- Future Partners: TBD

## Data Latency

- Adult Education: 1 Quarter
- DETR: 1 Quarter
- NDE + DWSS: 1 School Year
- NSHE: 1 Semester latent
- Future Partners: TBD

# Onboarding Data

- Department of Employment, Training and Rehabilitation
  - *Title I (onboarding) – expect to be available for researchers in Spring 2024*
  - *Title III (onboarding) – expect to be available for researchers in Spring 2024*
- Department of Veteran Services
  - *Demographics*
  - *Service-Related Attributes*
    - *Branch of Service*
    - *Specialty (MOS)*
    - *Type of Separation*
    - *HHS related attributes*
- Department of Corrections

# NPWR Research Grants

- To support research studying Nevada's most challenging policy problems in the areas of workforce development, economic diversification, and education

- Data Dictionary: https://mynpwr.slds.solutions/NPWR/DataDictionary

- Due as one PDF to Kristen Dwyer by 5 pm on Monday, November 27, 2023.

# NPWR Research Grants

○ Eligible applicants are researchers, scholars and/or academics located in and residing in the State of Nevada or working directly for a State of Nevada department; such applicants may represent or be a part of public and private organizations, institutions, and entities interested in asking research questions that address policy problems facing Nevada using NPWR as the evidence-based data-driven research tool.

○ Timeline: December 2023-June 2024

○ The maximum amount funded will be: up to $50,000 for a group/consortium project with multiple researchers and/or students (preference given to include students in the project); up to $4,000 for an individual faculty member with no students, just as self; up to $3,000 for an individual student at the Master/PhD level.

# Inaugural 2023 NPWR Research Grants:

- **Workforce and Economic Development**
  - The Brookings Mountain West's project, The Gender Cap in Nevada: A K-12, Higher Education, and Workforce Study will explore the gender gap in Nevada and propose public policy interventions to improve educational and workforce outcomes;
  - The Kenny Guinn Center for Policy Priorities and the University of Nevada, Las Vegas (UNLV) Center for Business and Economic (CBER) Research's project An Analysis of Nevada's Pre- and Post-Pandemic Labor Force Participation Rate will identify and evaluate factors contributing to Nevada having the 3rd largest decrease in labor force participation following the pandemic;
  - The University of Nevada, Reno's (UNR) University Center for Economic Development's (UCED) project Examination of the Relationship between Workforce Development and Housing, Education and Childcare Services, and Healthcare Services will explore how labor force barriers impact workforce and economic development and business creation, retention, and expansion abilities.

- **Education**
  - The Lincy Institute's project Nevada K-12 Performance and Implications for Economic Diversification will evaluate the differentiating factors between Nevada's highest and lowest performing schools and districts in terms of on-time graduation rates, performance on standardized tests, and college-going rates;
  - UNLV's Center for Research, Evaluation, and Assessment's (CREA) project Piloting School Funding Equity: How the Enactment of Senate Bill 178 Impacted Student Outcomes After Graduation explores how Nevada's student funding pilot program impacted students post-secondary and vocational outcomes;
  - Dr. Megan Rauch Griffard from UNLV's Department of Educational Psychology and Higher Education's project Dissecting the Educator Talent Pipeline and Educators' ROI in Nevada will focus on whether CTE certificates in education concentrations lead to eventual employment in education, seek to understand how long NSHE education majors take to earn their desired degree by educational attainment level, and how the wages of educators compare to other workers with comparable education and experience in Nevada by educational attainment level.
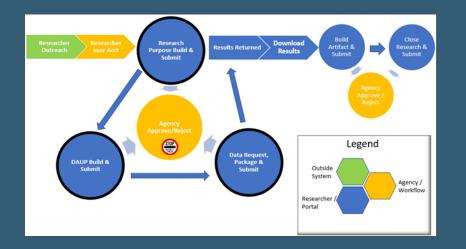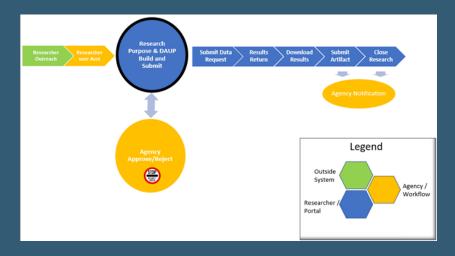
- **Students**
  - Anna Dreibelbis, a UNLV law and doctorate student, for her project Assessing Career Readiness Gaps in Nevada to understand what the gaps are in soft skill development in CTE programs across Nevada.
  - Curtis L. Cobbins, a doctorate student, for his project Causes of Innovation Engineering Management Failure in Workforce Development Within the Nevada System of Higher Education to understand how strong the correlation is, if any, between employee analysis of skills gap alignment and the role of innovation engineering management.

# NPWR Portal

- Contact Kristen to receive login to portal

- https://npwr.nv.gov/Research and https://mynpwr.nv.gov/

- Governance Structure

# NPWR Research Portal

# NPWR Research Portal

# NPWR Research Portal

# Next Steps

- Due Date
  - Application due on Monday, November 27, 2023 at 5:00 pm to Kristen
- NPWR Research Forums
  - December 5 at UNR
  - December 7 at UNLV
- Contact
  - Kristen Dwyer, kdwyer@detr.nv.gov
  - Visit https://npwr.nv.gov/