An overview of the
Oregon Longitudinal Data Collaborative *program*

OLDC OREGON LONGITUDINAL DATA COLLABORATIVE

Senate Education Committee

Ben Tate, OLDC Director

May 18, 2023

Oregon Longitudinal Data Collaborative. Who we are

The **Oregon Longitudinal Data Collaborative (OLDC)** is a cross-agency governed program located in the Higher Education Coordinating Commission.

The program conducts cross-sector research ***examining the impact of education programs, policies, and investments*** to help individuals and communities in Oregon thrive.

The **Statewide Longitudinal Data System (SLDS)** is the data system that ***matches administrative data collected*** by state agencies in order to provide cross-sector, longitudinal data that can be used in research and reporting.

MISSION

The mission of the State Longitudinal Data System is to support objective analysis and reliable conclusions based on robust cross-sector*, longitudinal education data.

VISION

The State Longitudinal Data System provides actionable data to identify the impact of educational programs, policies, and investments to help individuals and communities in Oregon thrive.

* Longitudinal data from across the entire education continuum (K-12, Higher Ed, Workforce, etc).

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OLDC Research & Reporting

Future projects

Oregon's integrated data landscape

PROGRAM HISTORY

Key Milestones (pre-2020)

- ✓ 2015 – Chief Education Office established and SLDS identified as key program
- ✓ 2016 – Project receives funding from Legislature and contract established to build system
- ✓ 2018 – Project completed
- ✓ 2019 – OLDC Program launched

2020

Program runs with only **3 out of 9 positions filled** due to pandemic budget crisis
Incorporated new data from the National Student Clearinghouse and GED
Improved match rate with workforce to 75%

2021

Program **positions reduced** from 9 to 6 FTE
Incorporated new data from Teacher Standards and Practices Commission
Developed matched datasets for partner agency reports:

- ODE and TSPC for Educator Preparation Programs
- ODE, HECC and OED for federal reporting on K-12 CTE programs

2022

Current Status: **All 6 positions filled** and managing a portfolio of products

- Data provided for postsecondary Equity Briefs
- Data provided for ODE SB744 Report on postsecondary outcomes
- Data provided for ODE research study on 9th grade on track indicator
- 3 public reports: Education Pathway, SLDS Overview, Healthcare Shortage Study

PROGRAM OVERVIEW

The goal of the OLDC is to **provide actionable data-supported policy recommendations that impact student learning, training, and workforce opportunities**

Data partner agencies share data with the OLDC

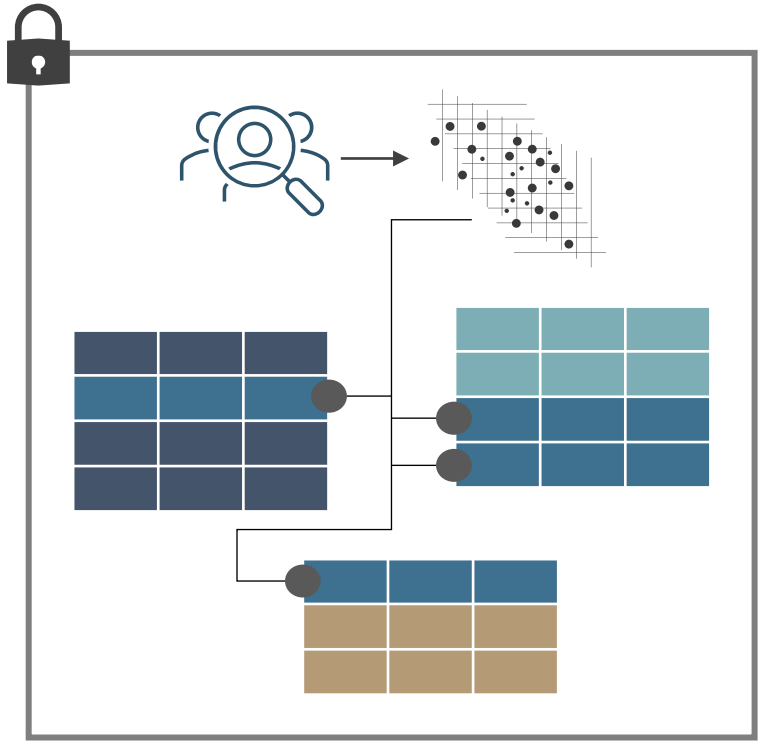
OREGON DEPARTMENT OF EDUCATION
Oregon achieves . . . together!

HIGHER EDUCATION COORDINATING COMMISSION

TSPC OF OREGON

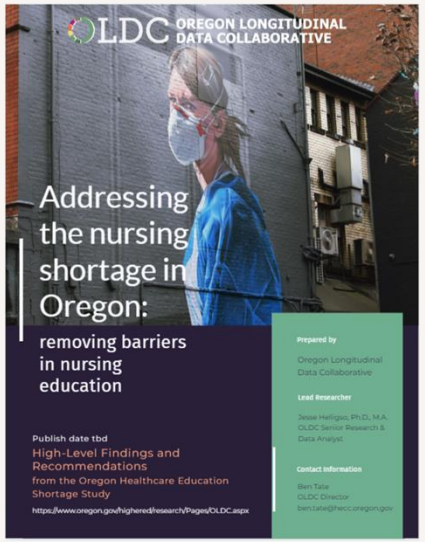
State of Oregon Employment Department

OLDC applies matching logic across data partner records



OLDC produces files, reports, and publishes research*

Recently published research on the nursing education shortage



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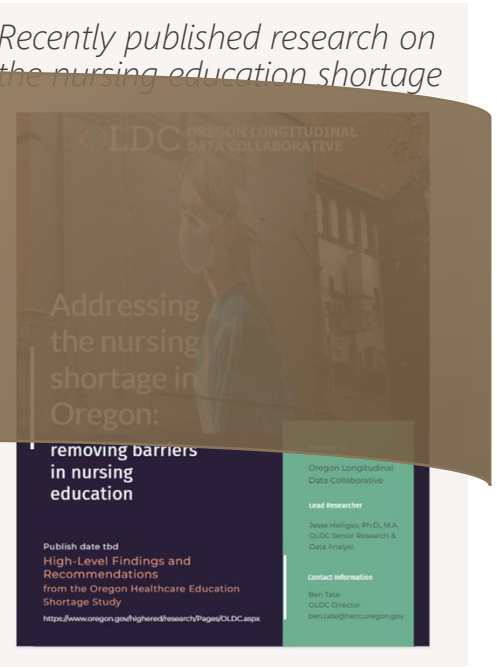
Cross Agency Governance



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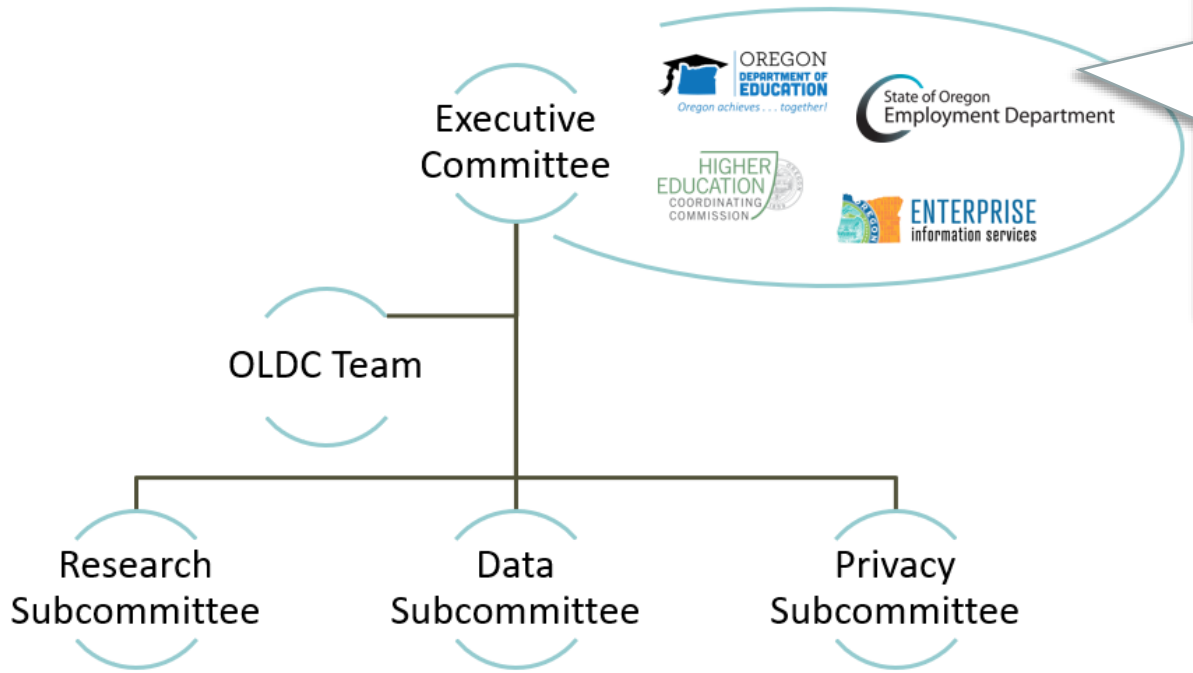
PROGRAM GOVERNANCE

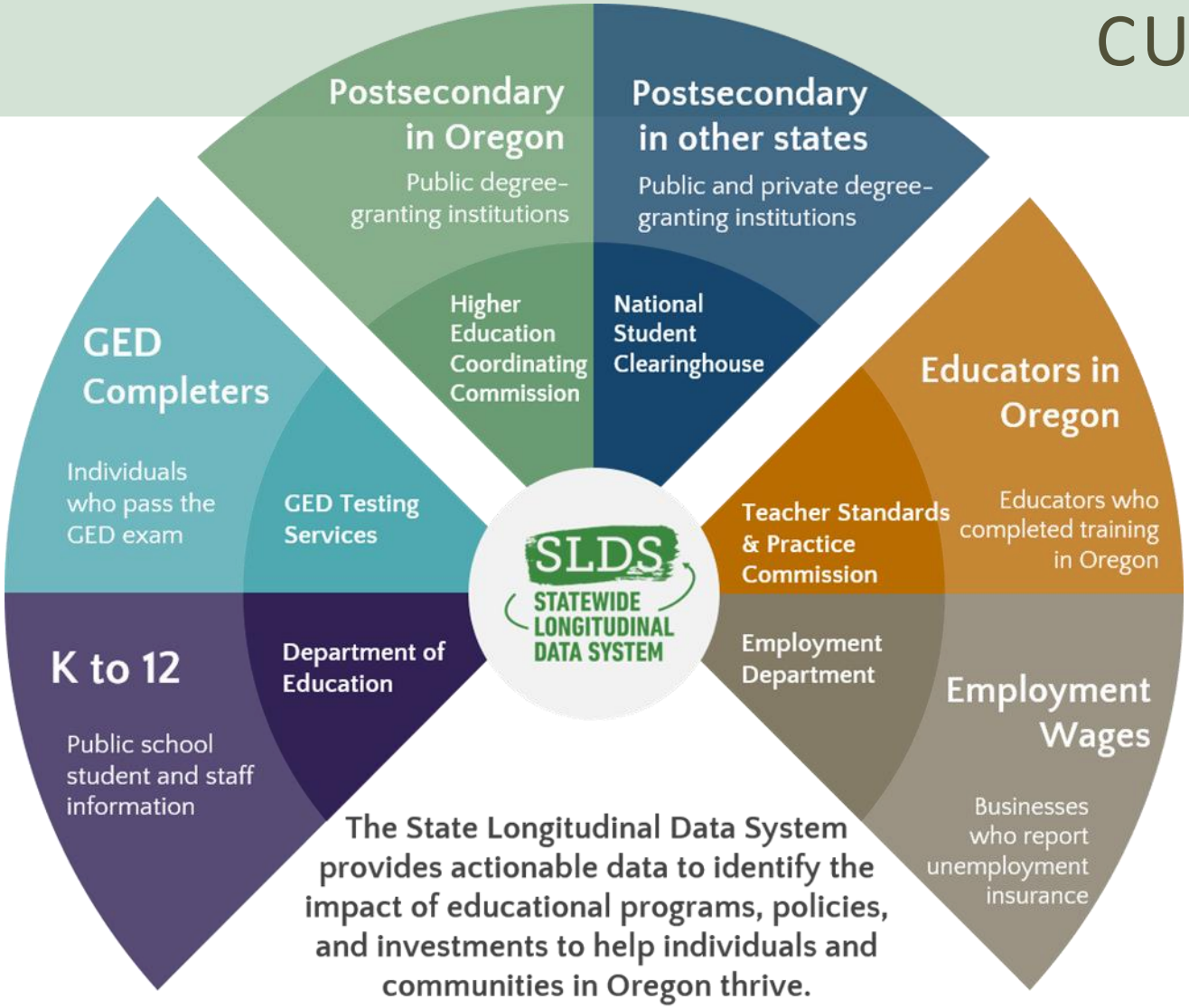
OLDC Governance Structure



Current membership includes Agency Directors from ODE, HECC, OED, and the State Chief Data Officer (EIS)

The OLDC is administratively housed within the HECC

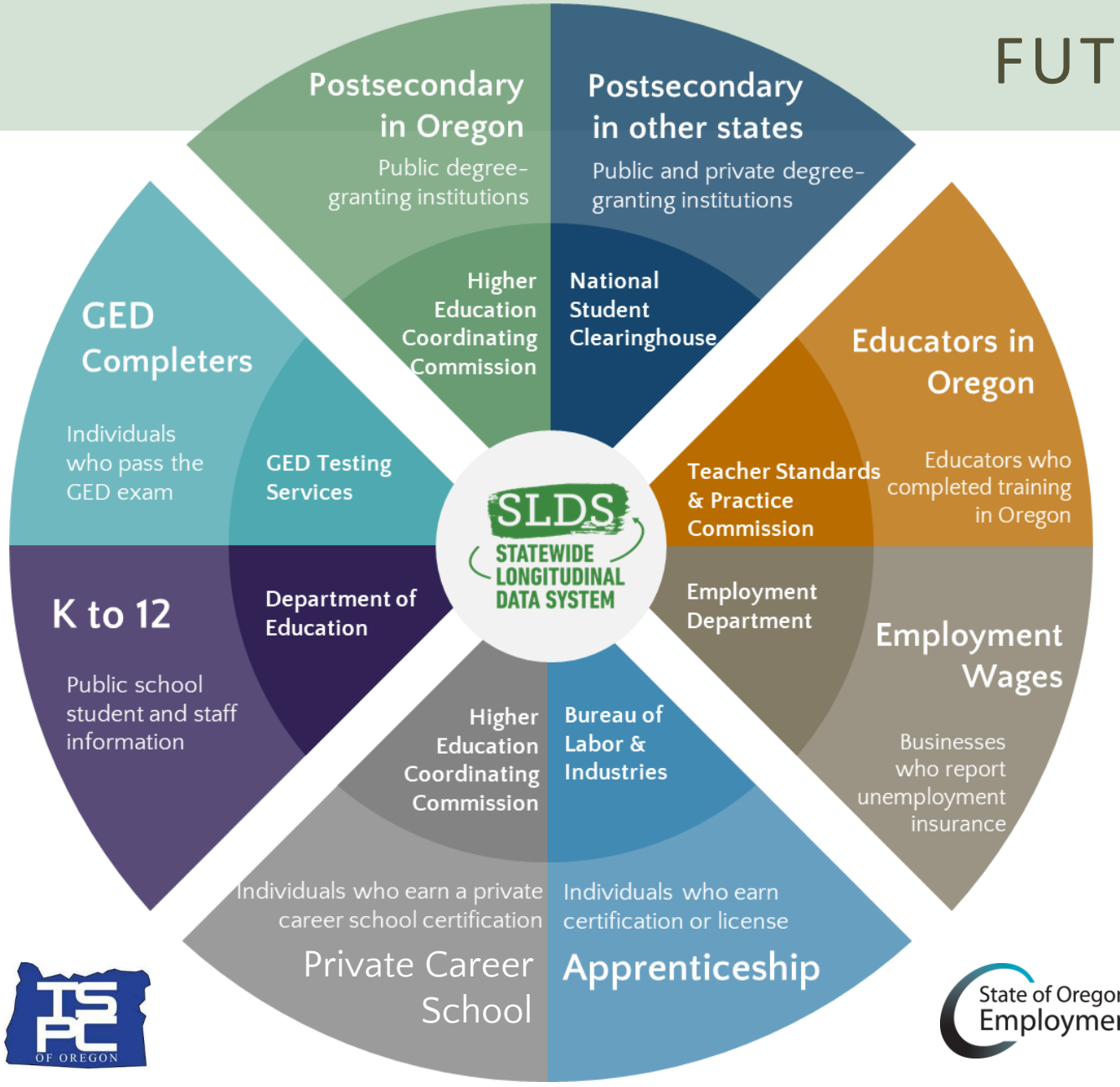
CURRENT DATA SOURCES



Changes since initial launch:

- **Employment Wages**, now matching 70-75%
- Added **GED** Completers
- Added **National Student Clearing House** data that provides National enrollment and degree data of Oregon K-12 students
- Added **TSPC** Educator Licensure Recommendation

FUTURE DATA SOURCES



Onboard two data partners:

- BOLI Apprenticeship
- HECC Private Career School

These next data sources will expand our research to include additional non-degree credentials reflecting the additional pathways students take outside of college or university

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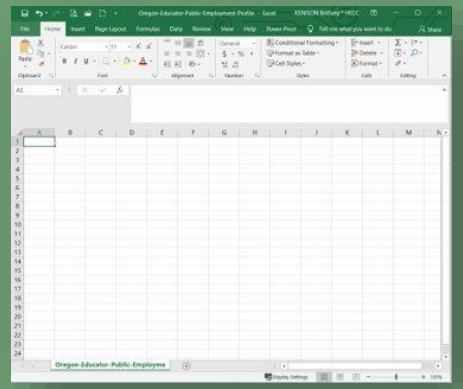
OLDC. Data products we provide

Raw Data File/ Curated Data File



Derived Data Report

Research Study

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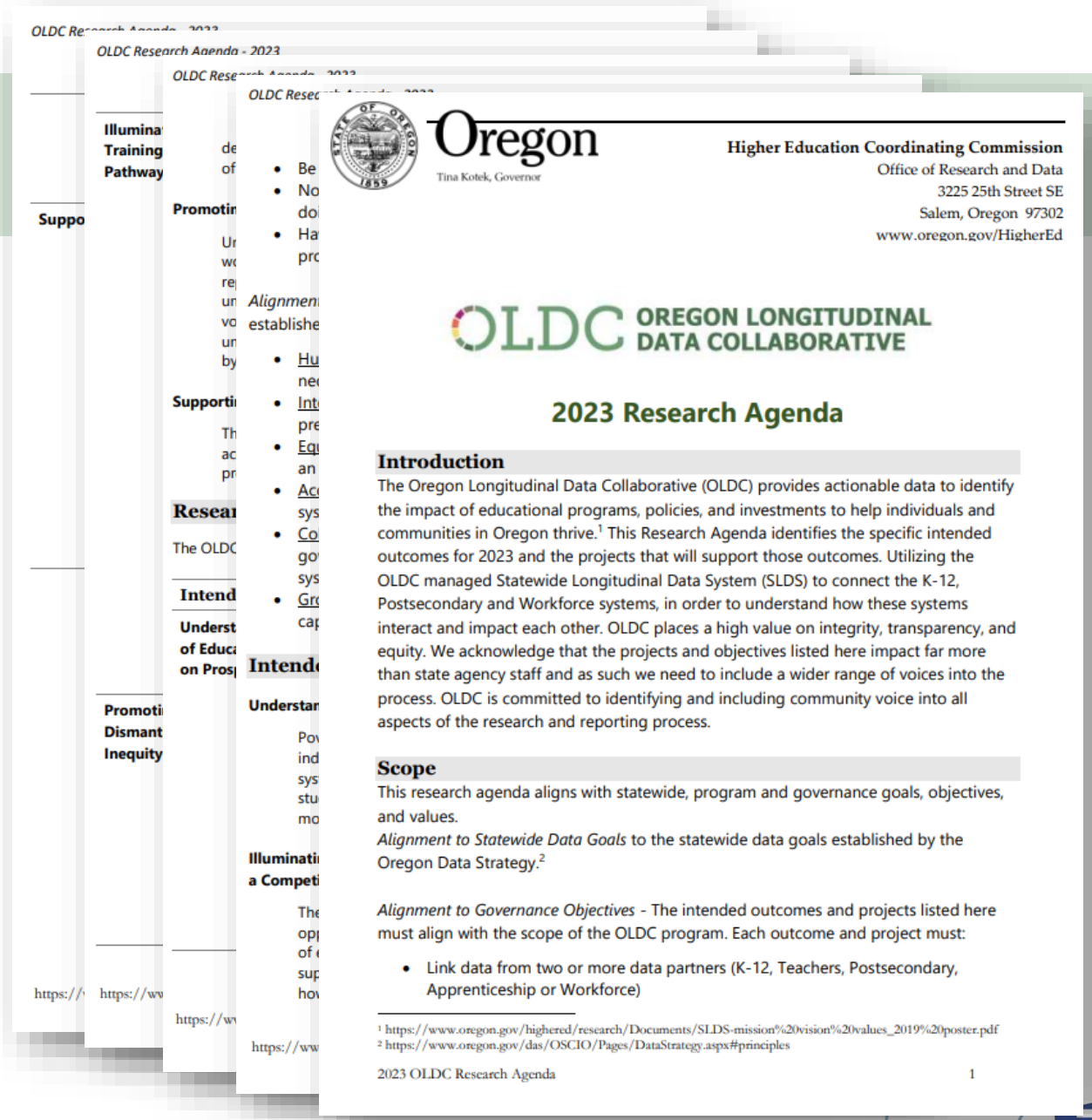
RESEARCH AGENDA



Oregon
Tina Kotek, Governor

Higher Education Coordinating Commission
Office of Research and Data
3225 25th Street SE
Salem, Oregon 97302
www.oregon.gov/HigherEd

OLDC OREGON LONGITUDINAL DATA COLLABORATIVE

2023 Research Agenda

Introduction

The Oregon Longitudinal Data Collaborative (OLDC) provides actionable data to identify the impact of educational programs, policies, and investments to help individuals and communities in Oregon thrive.[1] This Research Agenda identifies the specific intended outcomes for 2023 and the projects that will support those outcomes. Utilizing the OLDC managed Statewide Longitudinal Data System (SLDS) to connect the K-12, Postsecondary and Workforce systems, in order to understand how these systems interact and impact each other. OLDC places a high value on integrity, transparency, and equity. We acknowledge that the projects and objectives listed here impact far more than state agency staff and as such we need to include a wider range of voices into the process. OLDC is committed to identifying and including community voice into all aspects of the research and reporting process.

Scope

This research agenda aligns with statewide, program and governance goals, objectives, and values.

Alignment to Statewide Data Goals to the statewide data goals established by the Oregon Data Strategy.[2]

Alignment to Governance Objectives - The intended outcomes and projects listed here must align with the scope of the OLDC program. Each outcome and project must:

- Link data from two or more data partners (K-12, Teachers, Postsecondary, Apprenticeship or Workforce)

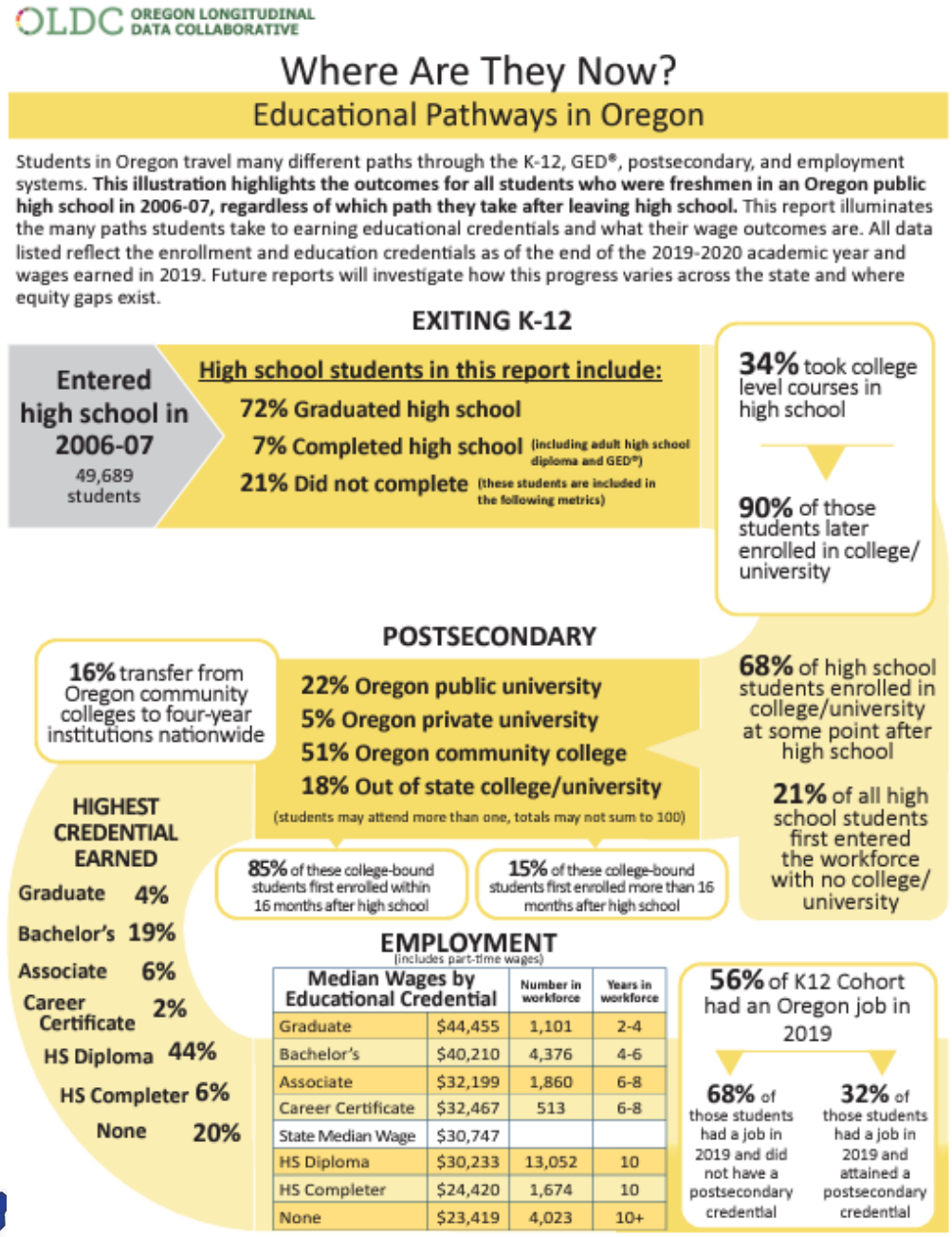
[1] https://www.oregon.gov/highered/research/Documents/SLDS-mission%20vision%20values_2019%20poster.pdf
[2] https://www.oregon.gov/das/OSCIO/Pages/DataStrategy.aspx#principles

2023 OLDC Research Agenda 1

- The agenda is developed and published annually
- Data products are approved by the Executive committee with input and recommendation from the Research and Data subcommittees as well as consultation with the Privacy subcommittee
- Ad-hoc data requests are reviewed by Research subcommittee

OLDC 2022 Research Agenda Included 9 Projects

Name	Type	Status
Educator Prep Program	Raw Data File	Complete
CTE Data File	Curated Data File	Complete
SB744 Data File	Raw Data File	Complete
HECC Equity Briefs	Raw Data File	Complete
ODE IES Grant	Raw Data File	Complete
Education Pathway	Data Report	Complete
SLDS Overview	Data Report	Complete
Educator Prep Program	Data Report	Complete
Healthcare Shortage Study	Research Study	Complete



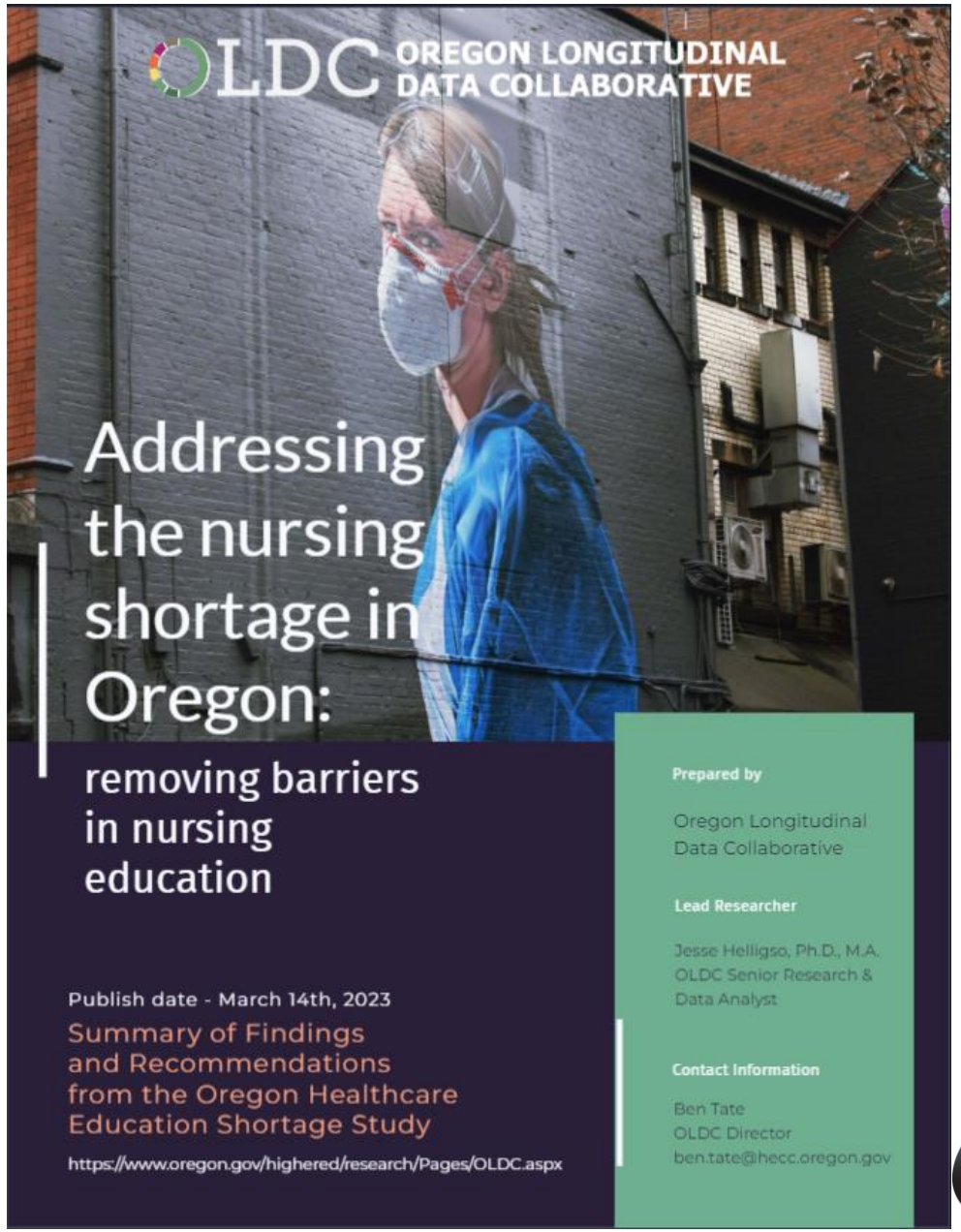
Education Pathway Report

Infographic depicting the education pathways of students in a single K-12 graduating cohort from cradle to career, identifying key entries and achievement in postsecondary and workforce.

Beyond results, project clarified unique contribution of longitudinal metrics, which differ from agency reporting.

These next versions of this report will be interactive and allow views of outcomes by gender, race/ethnicity and rural/urban.

OLDC. *Healthcare Shortage Study*



Healthcare Shortage Study

- Oregon **ranks last in the continental U.S for number of nursing graduates per capita** across public institutions.
- Plenty of qualified students apply to the nursing programs in Oregon – **about 6,800, but only 23% are accepted**.

This study delves into the factors causing this shortage and recommends a series of steps to address these issues.

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2023 RESEARCH AGENDA: *INTENDED OUTCOMES*

1. Understanding the Impact of Educational Attainment on Prosperity
2. Illuminating Pathways between Education/Training and Labor Force to Meet the Needs of a Competitive and Dynamic Market
3. Promoting Action to Dismantle Systems of Inequity
4. Supporting Agency Reporting Needs

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2023 RESEARCH AGENDA: *PROJECTS*

Underway Now:

1.) Educator Pipeline Report – A report looking at Educators from program enrollment, through graduation, licensure and employment in the public school system. These data points will be disaggregated by race/ethnicity, gender and region (rural/urban).

2.) Poverty and Economic Mobility Study – A research study looking at students in poverty and what education programs are correlated with them breaking the cycle of poverty.

Up Next:

1.) Data Refresh – SLDS Overview Report, HECC Equity Briefs, CTE Data Report, and Oregon Educator Public Employment Data.

2.) Educator Pipeline Study – Based on the data from the Educator Pipeline report, a look into where potential issues are in the pipeline that may keep people from teaching.

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REQUEST PROCESS

Data Requests - Now

Currently, only accepting research requests from State Government (i.e. Executive Branch Agencies and Legislature).

Research subcommittee reviews and approves requests. Executive Committee sets priority of requests.

OLDC Researcher engages with agency SMEs to learn about how data is collected, validates, applicable policy and regulations

Data Requests - Future

Accept requests from any research or government entity (University, city, county, etc).

Research Subcommittee, and Institutional Review Board (IRB) reviews and approves requests. Executive Committee sets priority of requests.

Determine if request can be answered by existing dashboard.

OLDC Researcher engages with agency SMEs to learn about how data is collected, validates, applicable policy and regulations

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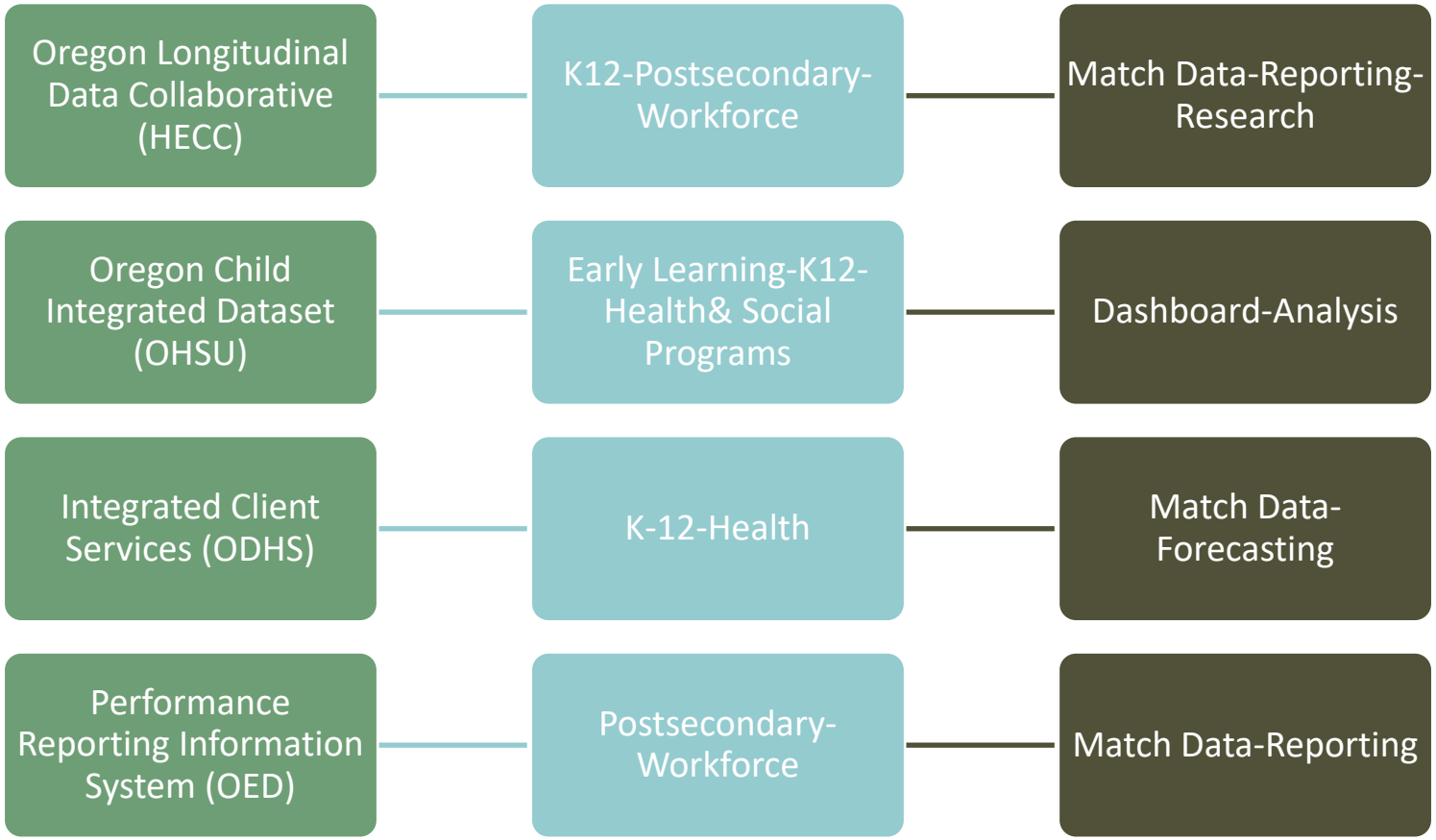
OREGON'S INTEGRATED DATA LANDSCAPE*



OLDC maintains connections with other programs by:

- Meet with OCID Director and CDO monthly and part of OCID Data Analyst Forum
- Work with ICS on matching support
- Attend PRISM Steering Committee on an as-needed basis
- Meet with all groups and CDO to discuss IDS needs for state

*For more information on data sharing among state agencies, see the report submitted by the Chief Data Officer to JLCIMT in March

Thank you!

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LABOR &
INDUSTRIES

OF OREGON

State of Oregon
Employment Department

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