An overview of the Oregon Longitudinal Data Collaborative *program*

OLDC OREGON LONGITUDINAL DATA COLLABORATIVE

Education Subcommittee
Joint Emergency Board

Ben Tate, OLDC Director

September 21st, 2022

Oregon Longitudinal Data Collaborative. Who we are

The **Oregon Longitudinal Data Collaborative (OLDC)** is an inter-agency 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.

OLDC. Our history

Pre-2015 History

- The SLDS as a concept was discussed in state government as early as 2009.

- It was included in the initial statute that created the Oregon Education Investment Board in 2011.

- Review of pre-2015 documents shows many different concepts were presented and discussed but no definitive plan developed.

2015 Senate Bill 215 directs the Chief Education Office to develop an integrated, statewide data system that contains student-level outcomes from all public educational institutions

2016 The Legislature approves funding for the IT Project

2018 IT Project completes in June; transition from project to program begins

2019 **Transition reveals significant limitations in design and student coverage that prevent initial goals from being realized**

Key issues identified include:
- Existing project governance structure insufficient for partner agencies' oversight
- Data in system was matched but tracked only some students' outcomes
- Data presentation system was very narrow and not adaptable

OLDC. Recent history, data and design limitations overcome

2020

External contractor **brought in and confirmed limitations**

Solution: Limited team overcame data limitations & increased flexibility (see 'Four Foundational Changes' on the right). Progress steady but slow due to small team size (pandemic budget crisis meant only 3 of 9 positions filled).

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

Four foundational changes stabilized the data and design for use

✓ Establishment of robust, cross-agency governance structure

✓ Complete picture of all Oregon students by adding necessary data sources

✓ Expanded ability to match between sources

✓ Updated design to allow flexible access to matched data by research staff

OREGON BUREAU OF LABOR & INDUSTRIES

TSPC OF OREGON

State of Oregon Employment Department

OREGON DEPARTMENT OF EDUCATION — Oregon achieves . . . together!

HIGHER EDUCATION COORDINATING COMMISSION

OLDC. *Initial* data and data partners limited and insufficient
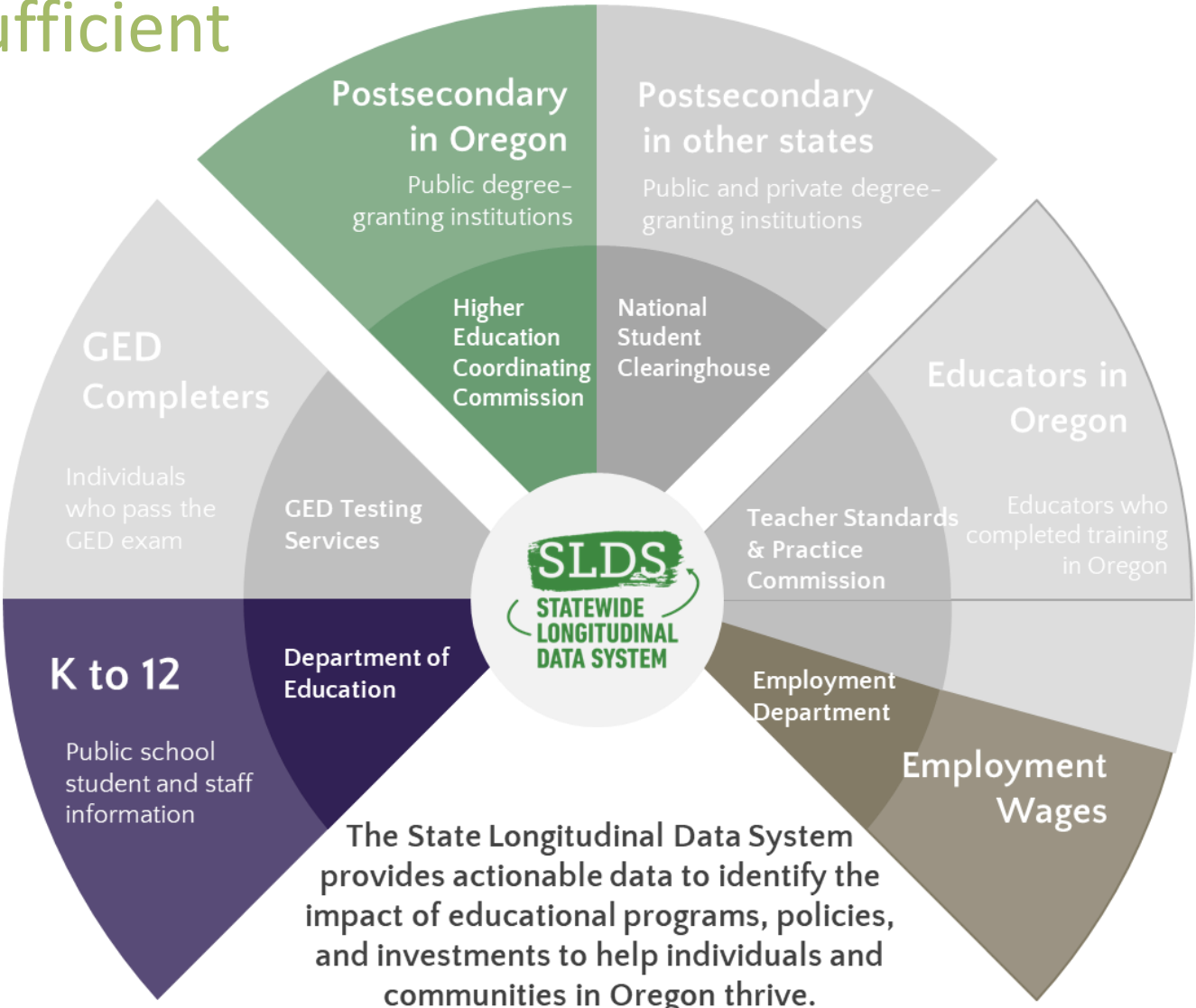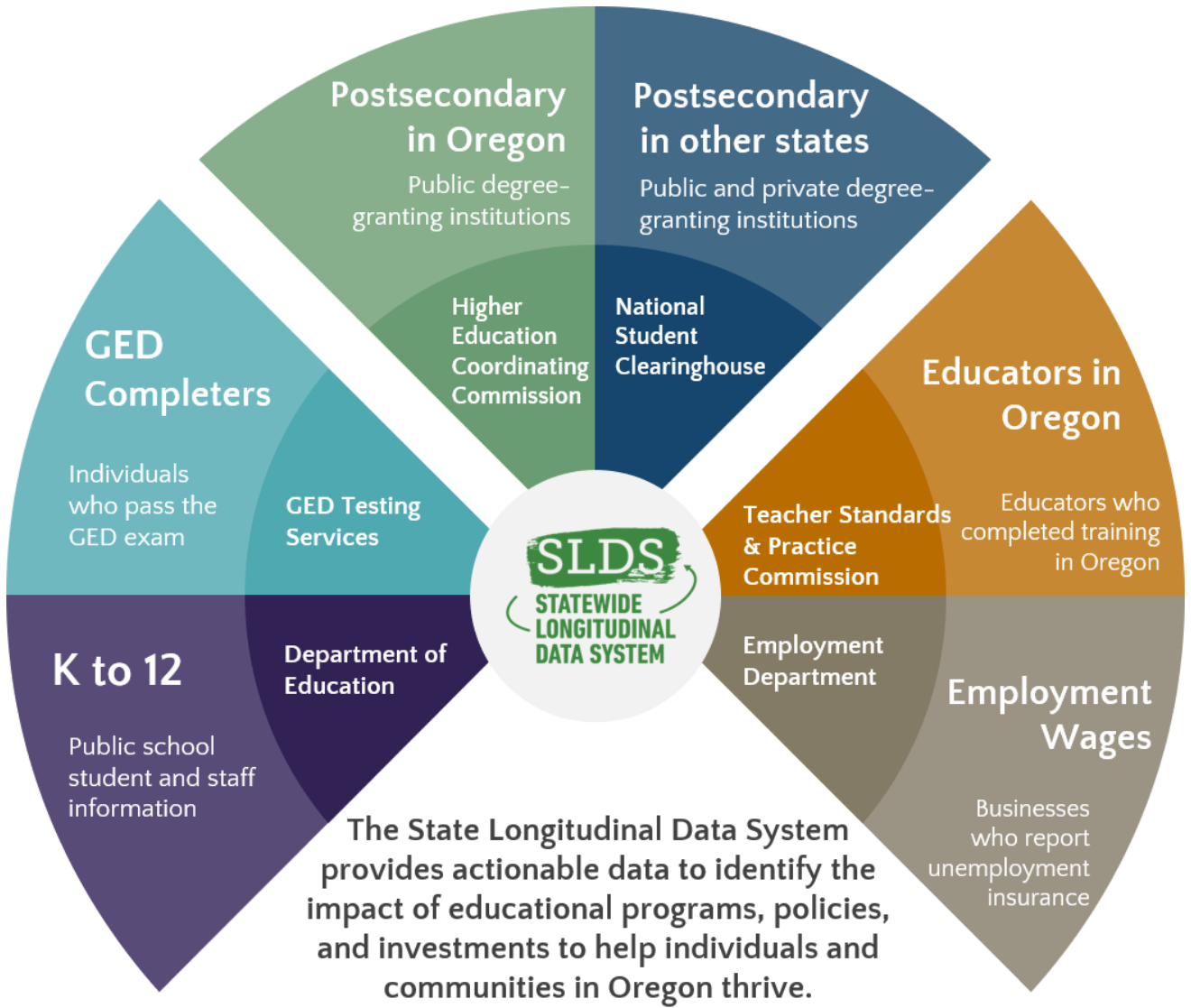

Initial Partnerships

ODE
K-12 student and staff data collections

HECC
Community colleges and public universities

OED
Wages, matching only 10-15%

OLDC. *Current* data and data partners

Current Partnerships

ODE

K-12 student and staff data collections

HECC

Community colleges and public universities

OED

Wages, now matching 70-75%

GED

GED Completers

NSC

National enrollment and degree data

TSPC

Teacher Licensure Recommendation

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.

OLDC. *Future* data and data partners
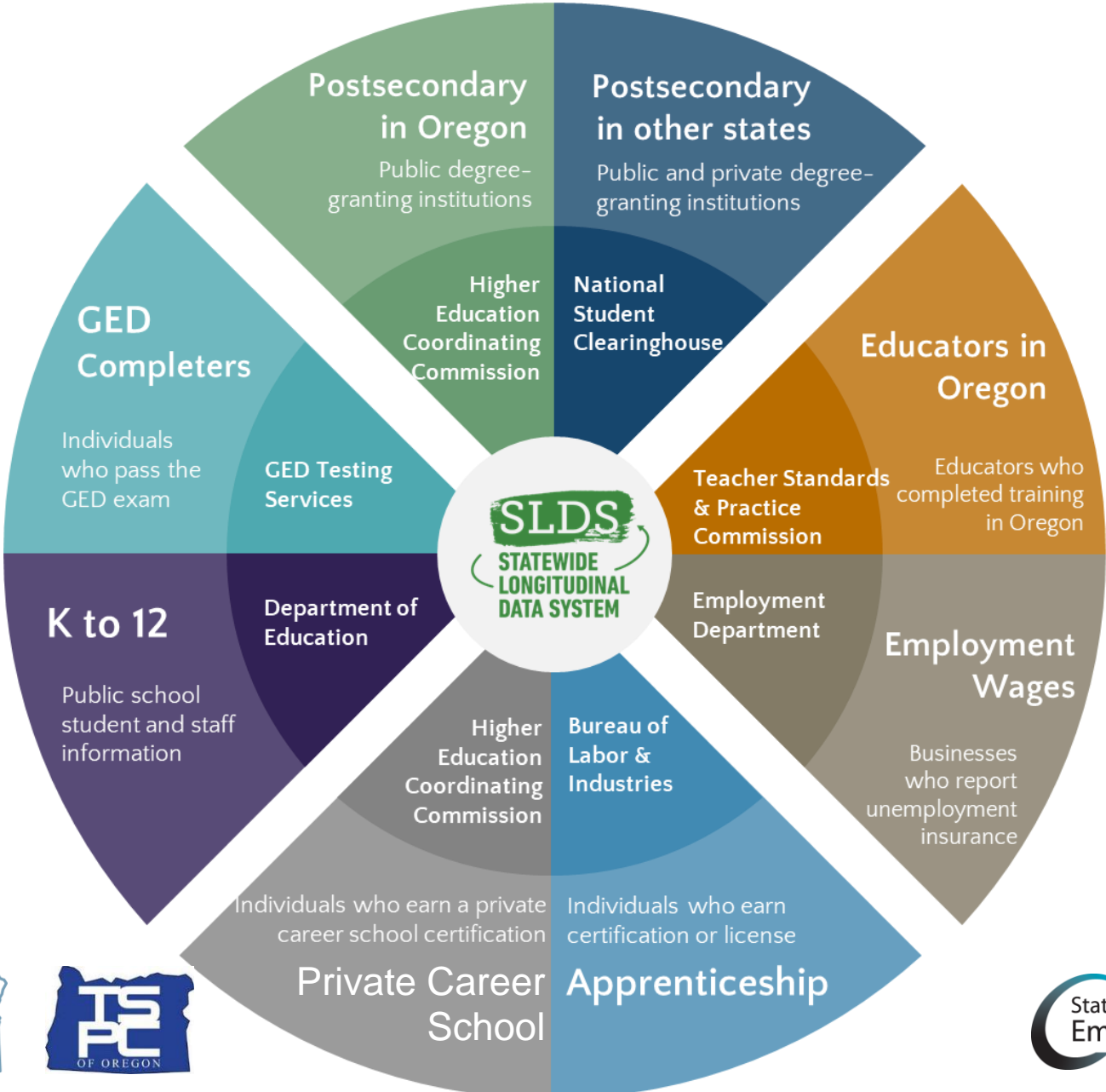
Future Partnerships

<u>BOLI</u>
Apprenticeship data

<u>HECC</u>
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

OLDC. Program governance structure ensures agency trust

Executive Committee

OLDC Team

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

Research Subcommittee

Data Subcommittee

Privacy Subcommittee
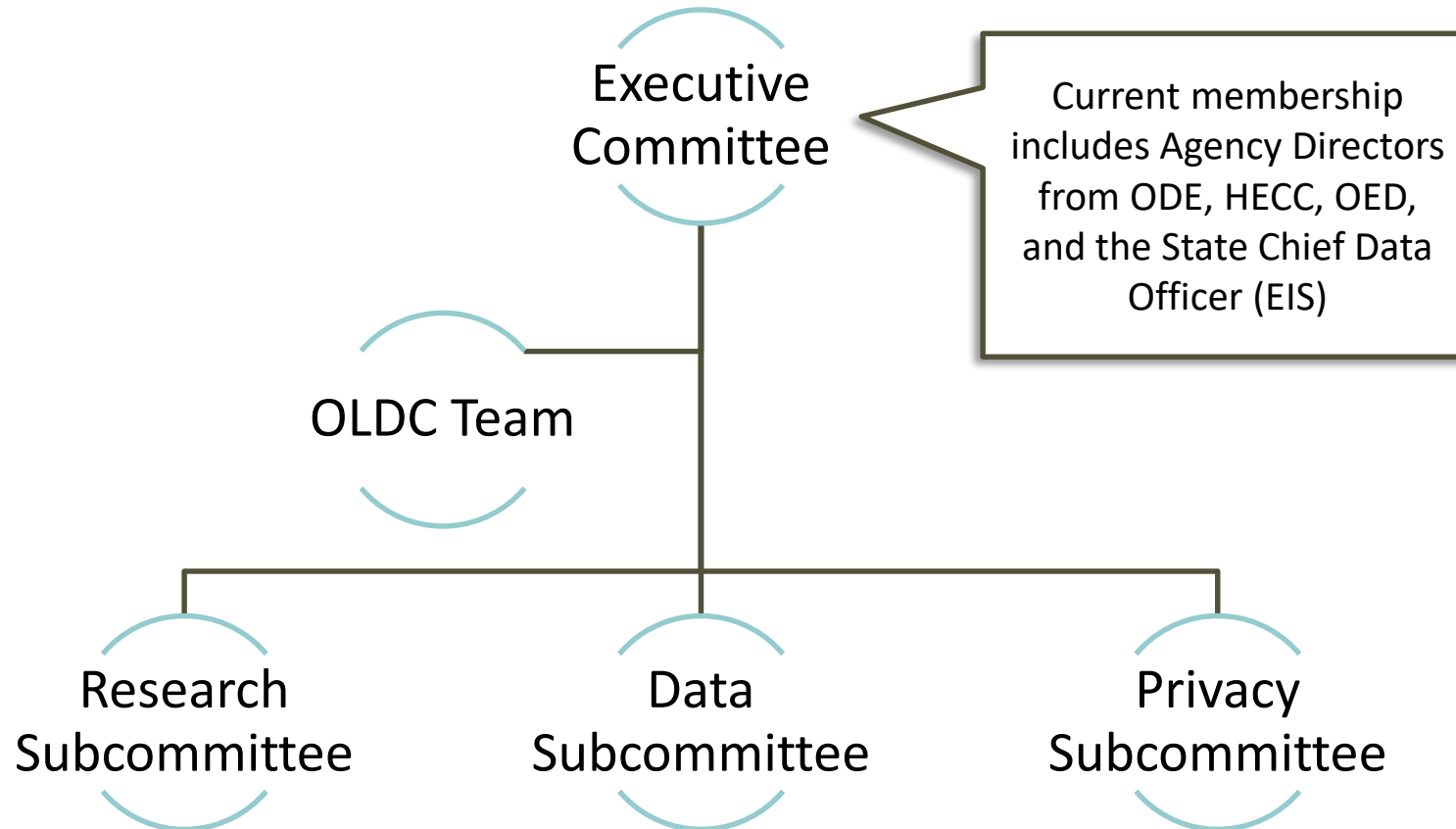
OLDC. Initial data flow design limited quality and reporting ability
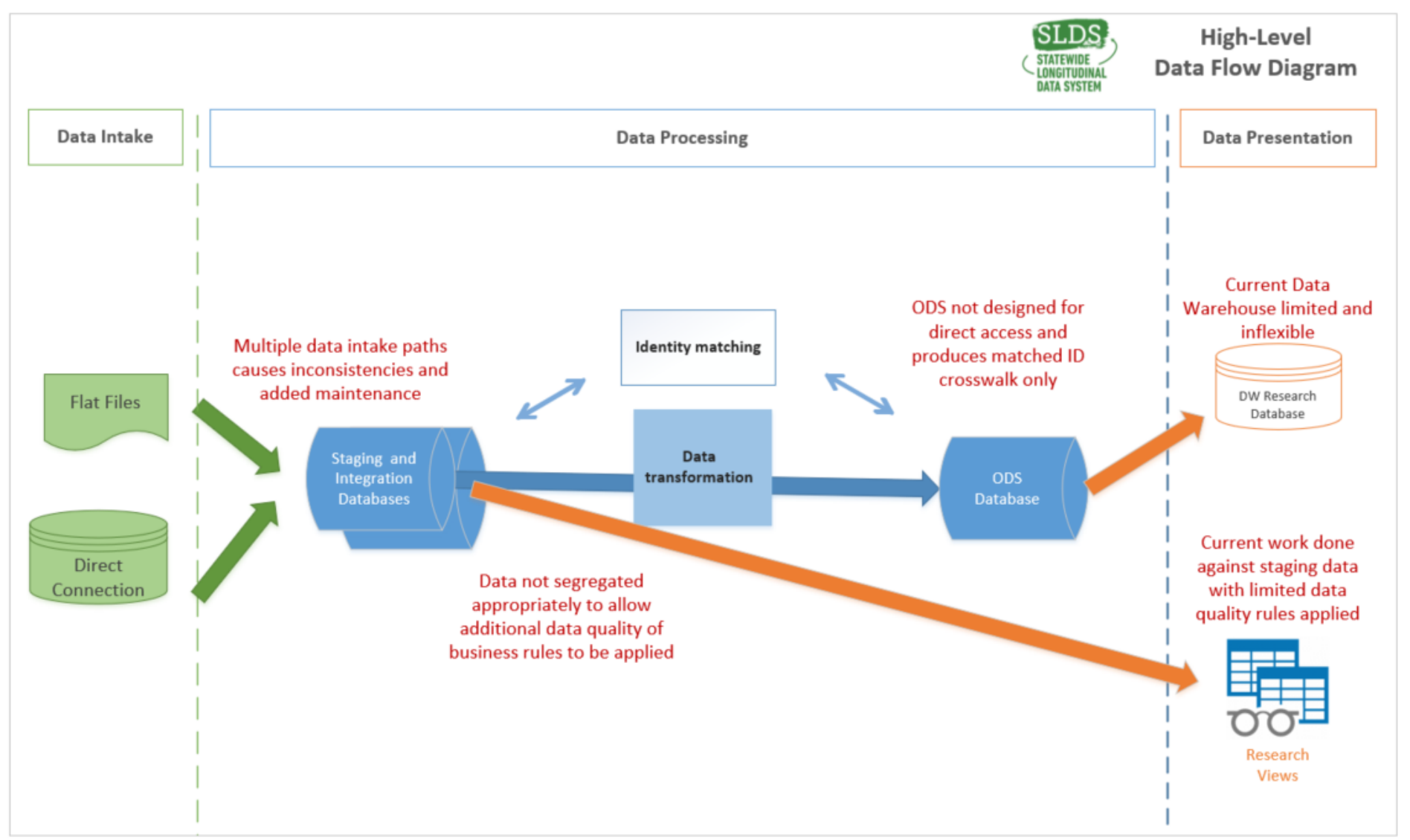
OLDC. Current data flow design enables range of reports
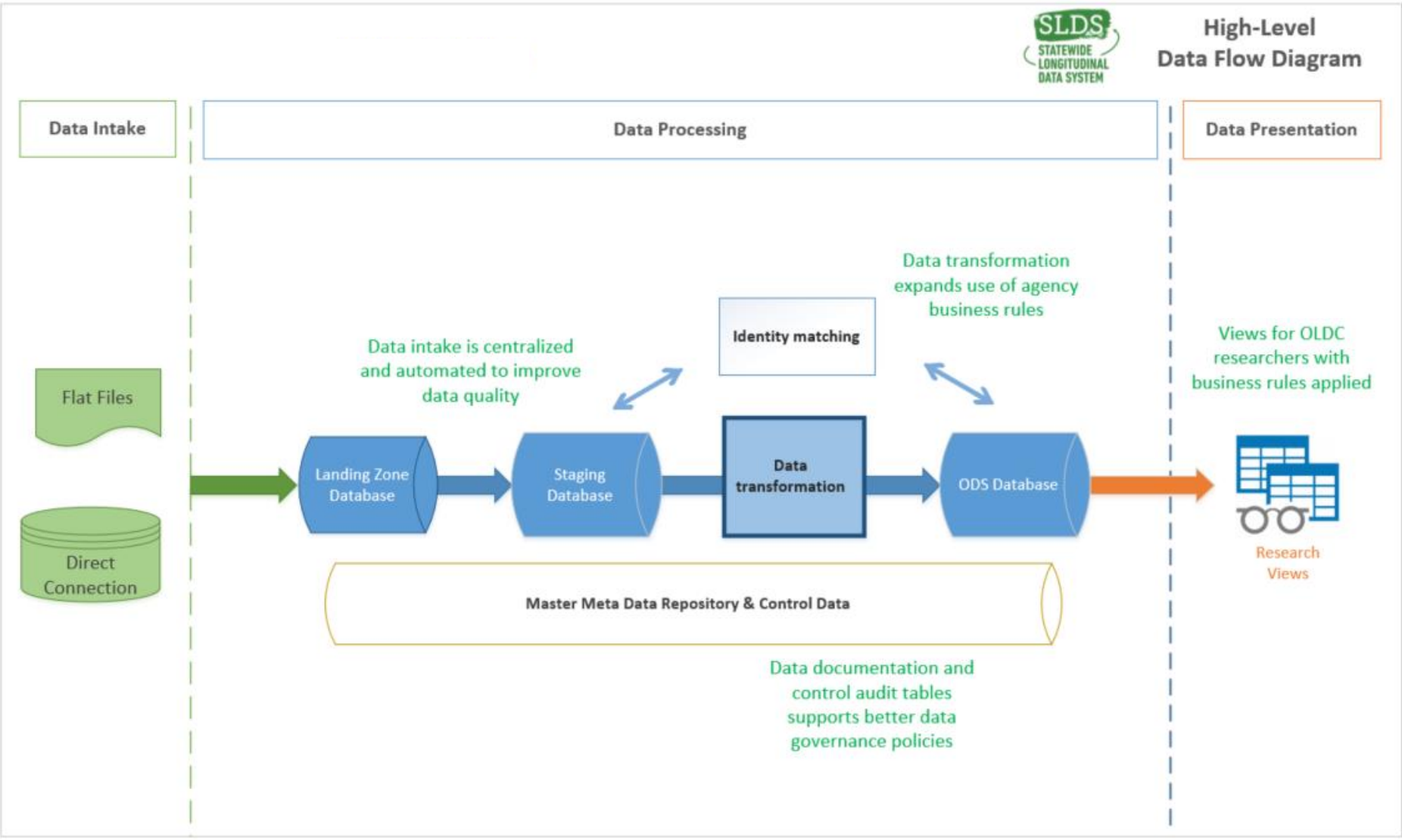
OLDC. Data products we provide

Raw Data File/
Curated Data File
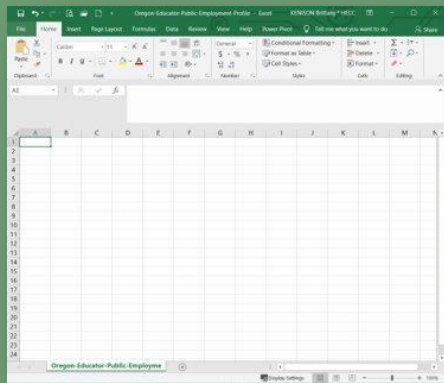
Derived Data Report

Research Study

OLDC. The Research Agenda

- The agenda is developed and published annually *(September to August)*

- 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 2021-22 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**

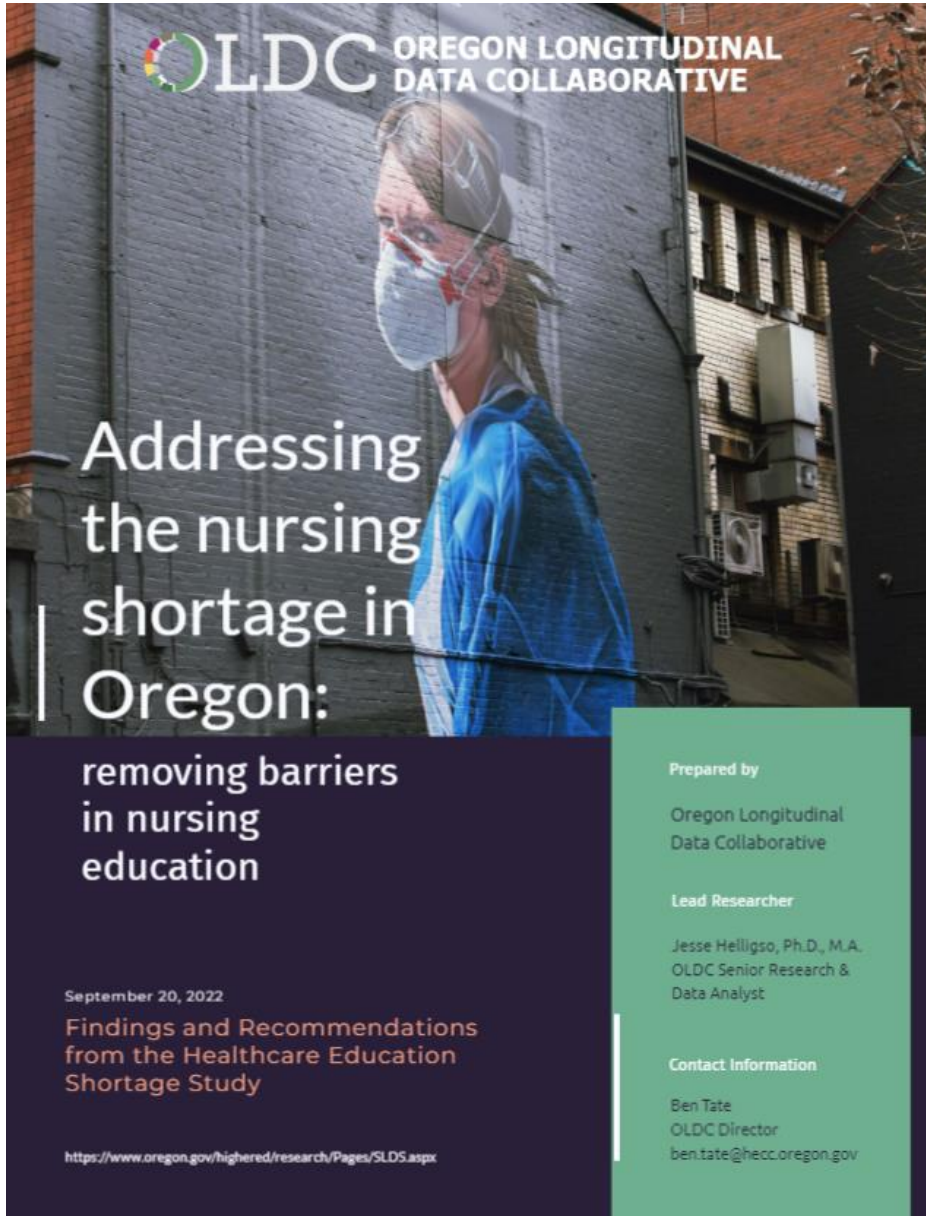# OLDC. *Product Example – Education Pathway*

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. *Product Example – 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 5,400, but only 19% are accepted**.

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

OLDC New Research Agenda for 2022-23 Includes Another 10 Projects

Name	Type
Educator Shortage Study	Research Study
Interactive Student Pathways	Data Report
Higher Education Equity Report	Data Report
Economic Mobility Study	Research Study
CTE Impact Study	Research Study
K-12 to Postsecondary Report (HB2147)	Raw Data File
Workforce Outcomes Report	Data Report
Oregon Educator Public Employment Report	Annual Refresh
CTE Federal Reporting	Annual Refresh
SLDS Overview Report	Annual Refresh

Thank you!