

Oregon Education Investment Board

Statewide Longitudinal Data System

May 27, 2015 –House Committee on Higher Education, Innovation, and Workforce Development

OEIB P-20 State Longitudinal Data System

Called for in statute that created OEIB

Student level data

Primary purpose is to better understand Oregon education, improve practices, and inform policy



Stage Gate Oversight – Functional Reference Model



Office of the Governor

Direction & Oversight

Chief Operating Office

Legislature

Direction & Oversight

Statewide Chief Financial Office Initiatives **Budget Development & Oversight**

Enterprise Leadership Team Unified Vision & Oversight

Enterprise Direction

Office of the State CIO

Improving Government Operational Streamlining & Effectiveness Chief Human Resource Office Resource Development & Oversight

Communications

Enterprise Enterprise Security Program Geospatial Program **Broadband Wireless** Public Safety Interoperability Portfolio Enterprise Strategy Asset Objectives & Oversight Objectives & Oversight Development & Oversight Development & Oversight Management Enterprise Business Intelligence Management □ Idea □ Core Team Plan □ OSCIO Review □ OSCIO Review □ OSCIO Review ■ Specifications □ OSCIO Review Operations Tied to Strategy Conditions Further Conditions "Go" for Execution Hardware / Comm. · Operate, Maintain, & Enhance Enterprise Executive Sponsor Timeframe Product Acceptance Problem Project Charter Activities • \$ for Bus. Case \$ for Detailed Plan Budget to Execute Executable Software Benefits Realization System Performs as Designed Services Periodically Assess Operations Developed & Tested Budget Concept High-level Scope Tech. Req. 50% Vision 90% Vision Acceptable Risk · Arch. Req. Quality Assurance Acceptable Quality Outcomes to Rea. Goals & Objectives Participants User Acceptance Communicate Utility & Stage Finance Customers Operational System Shared Standard Endorsement Stage Stage Architectura Stakeholders Stage Program Services Endorsement Endorsement Endorsement **Process** Assessment Business / IT Experts Outcome Continual Program Customer Doing the Work Measured Review & Metrics Leadership High-Level Benefits Utility Core Team Detailed Execution Realization Common roject Plan 8 Relationship Change Case (& IRR) Formation Plan **Boards** Vision Requirements Negotiated Refinement of Future Stage Gate Expectations Governance ☐ Financial Perspective ☐ Design Tradeoffs **Based on Unique Conditions** Outcome to Achieve COTS vs Custom Quality ntal vs Blo-Bani Value Captured Process / Schedule Reviews PMBOK Stages □Quality Reports ☐ Benefit Realization Report Measure of Value ORIGINATION INITIATION PLANNING EXECUTION MONITORING -----CLOSE-OUT □ Concept □ Project Charter □ Project Plan □ Business Case □ Detailed Project Plan ☐ Migration Plan ☐User acceptance ☐ Monitor Production □Development Request ☐ Module Configuration ☐ Implementation ☐ Functional Support Agency Request Budget Affected parties Charter □Integration Test Project Governance ☐ Technical Support Requirements Stakeholders Org Chart □Unit Test Plan ☐ Acceptance Test □User training Project Team ☐Status Report □User manual ☐ Follow-on Training Technology Assumptions Assumptions issue resolution Communication Plan ☐ Final Conversion Tie to Enterprise Strategy Training □Development Migration ☐ End User Training □Operations manual Constraints · Change Management Plan Tie to Agency Strategy Risk Management PMBOK Plans ☐ Securities Matrix ■ Migrate to Production · Tie to Agency Business Plan □ Customization □ Communications Plan Risk Assessment (QA) Asset Business Opportunity ☐Business Process Test Objectives / Goals Requirements Management Alternatives RFP (if needed) Infrastructure ----- Requirements Traceability Matrix ----- Staffing plan Refined Business Case Meeting/Rpt Schedule Executive sponsorship Implementation Packet Principles Goods & Detailed Estimates Website Services Roles / Responsibilities Change Management **Enterprise Technology Services** Business Process Analysis Framework Human Fit Analysis **Utility Computing & Networking** Organization Resource Prototype Design Issue management Functional Testing Readiness

Strategic Technology Office

Public Safety Human Services Natural Resources Education Transportation & Economic Development Administration & Business Services Architecture & Design Outcome Area Outcome Area Outcome Area Outcome Area Outcome Area Outcome Area Project Management Business Analysis System Architecture

Key Accomplishments

- Completion of Initial Business Case
- Completed Stage Gate Review Process #1
- Initial Independent Quality and Risk Assessment
- Decision to create a phased implementation plan
- Revised Business Case In Process
- A data governance structure
- The negotiated transfer of ODE Project ALDER hardware and software to the OEIB SLDS project, to be housed at the State Data Center
- A data dictionary for the OEIB SLDS and a "dry-run" of data gathering
- Co-convening of a student data privacy work group
- The development of research capacity, using existing longitudinal databases, among the OEIB Research staff members



Key Project Risks

Multi-agency Project Management

Data availability from ODE and HECC

Concerns about data security, privacy, and access

OEIB Capacity



Project Governance

Interagency Support and Progress Monitoring

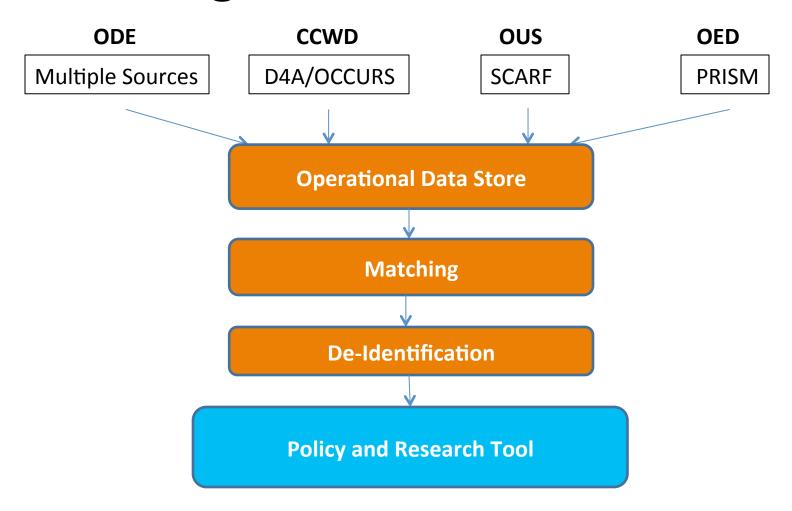
Data Governance Committee
Chief Education Officer, ODE Deputy Superintendent,
HECC Executive Director

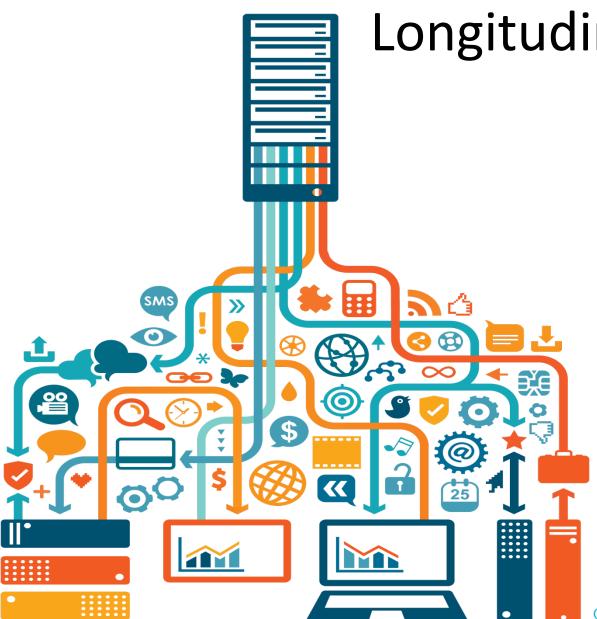
Steering Committee

Project Team



Longitudinal Data Detail





Longitudinal Databases

How are they currently used?



Oregon Department of Education 10+ Years

- Longitudinal database
 - Student Achievement and Characteristics
- Results
 - Quality Education Model
 - English Language Learner Study
 - 9th Grade On-Track as a predictor of high school graduation
 - 3rd Grade Reading as a predictor of high school graduation



Oregon University System 25+ Years

- Reporting
 - High School Feedback
 - Mandated Reports
 - Equity Diversity Reports
- Retention
- Evaluations
 - State audits
- Outcomes
 - First Year Freshmen
 - Graduation
 - Entry to workforce





Community Colleges & Workforce Development

5+ Years

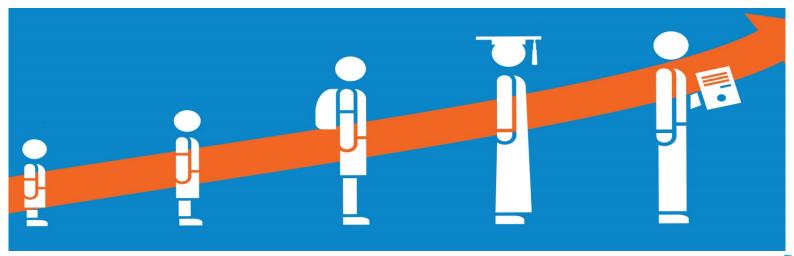


Oregon Employment Department 2+ Years

- Based on quarterly Unemployment Insurance administrative records:
 - Employment: did the person find a job?
 - Retention: did the person stay employed over a period of time?
 - Wages: what wages were earned during employment?
 - Wage Gain: did the person's wages increase or decrease over time?



 How is Oregon progressing towards its goal of 40/40/20? For each cohort of students, what are the student outcomes 5, 10 and 15 years after high school?

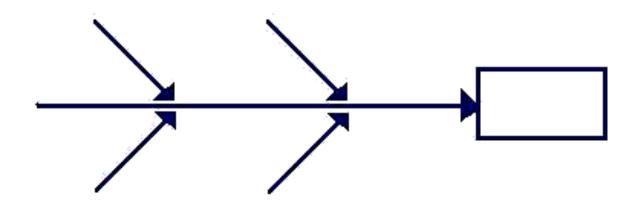


 How are institutions and regions progressing with respect to Achievement Compact metrics?

Achievement Compacts advanced degrees underrepresented degree awarded



 What far-downstream effects operate over the P-20 continuum? For example, how does Head Start participation affect college completion?



 What programs are successful? For example, what high school programs (like CTE/STEM/IB) are most determinant to college and career success?



 What student achievements are critical levers to future success. For example, how does bilingualism contribute to college and career success?



