Going Longitudinal Stage 1: Sharing Data

Development of a Longitudinal Data System

KEY CONTACTS

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TODAY’S GOAL:
1. Why it was conceived
2. Target metrics
3. Legal and Student Privacy Hurdles
4. The Load Process
5. The Match Process
6. Next Steps
7. Phase II: Early Childhood and Grant Applications
Create a cross-sector de-identified research dataset of all Lane County students including data from:
• Early learning programs,
• K12,
• Lane Community College, and
• University of Oregon.

The data will be used to:
• Assess program and policy success by reporting data on identified achievement metrics by region, district, and school.
• Assess correlations between achievement metrics and other outcomes data to determine what is most important for student success.
### Outcomes Metrics

**Where the Needle Must Move**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Kindergarten Readiness Assessment (KRA)</td>
</tr>
<tr>
<td>2</td>
<td>First Grade Easy CBM</td>
</tr>
<tr>
<td>3</td>
<td>Third Grade Reading OAKS</td>
</tr>
<tr>
<td>4</td>
<td>Fifth Grade Math OAKS</td>
</tr>
<tr>
<td>5</td>
<td>Eighth Grade Math OAKS</td>
</tr>
<tr>
<td>6</td>
<td>Ninth Grade Algebra Completion</td>
</tr>
<tr>
<td>7</td>
<td>Ninth Grade Six-Plus Credits</td>
</tr>
<tr>
<td>8</td>
<td>Tenth Grade ACT PLAN/PSAT</td>
</tr>
<tr>
<td>9</td>
<td>Dual Enrollment and/or IB/AP Programs</td>
</tr>
<tr>
<td>10</td>
<td>Five-Year High School Completion Rate</td>
</tr>
<tr>
<td>11</td>
<td>Thirteenth Year – College Participation Rate</td>
</tr>
<tr>
<td>12</td>
<td>Retention to Second Year of College</td>
</tr>
<tr>
<td>13</td>
<td>Completed a College Degree in Four Years</td>
</tr>
</tbody>
</table>

These are primary metrics. We are in the process of identifying secondary metrics which we will also track but will not be part of regional status reports.
Connecting the Data

Pre-Kindergarten Programs

Program Participation
Dates of Participation
Assessments

Data not shared

Data matched between sectors

K-12 Data
(Lane County Schools)

Demographics
Socioeconomics
Enrollments

Grades
Assessments
Attendance
Diplomas
College Participation

Data not shared

Data matched between sectors

Postsecondary Data
(LCC and UO)

Demographics
Enrollments
Grades

Assessments
Degrees

Existing student privacy laws and policies have made it difficult for sectors to share data.

Connected Lane County has worked hard to allow the sharing of data legally and in line with the privacy policies at each sector.
§ 99.31 Under what conditions is prior consent not required to disclose information?

(a) An educational agency or institution may disclose personally identifiable information from an education record of a student without the consent required by § 99.30 if the disclosure meets one or more of the following conditions:

(6) (i) The disclosure is to organizations conducting studies for, or on behalf of, educational agencies or institutions to:

(C) Improve instruction.

We can share! But all that we do must target improving transitions and outcomes.
(6) (iii) An educational agency or institution may disclose personally identifiable information under paragraph (a)(6)(i) of this section, ... , only if—

(A) The study is conducted in a manner that does not permit personal identification of parents and students by individuals other than representatives of the organization that have legitimate interests in the information;

(B) The information is destroyed when no longer needed for the purposes for which the study was conducted; and

We do not have an educational interest in who the individual is. We have chosen to de-identify the data.
Legal Agreements

Researchers must sign a Data Use Agreement to access the data. Researchers must be approved by Lane CC and UO Registrars and Lane ESD Superintendent.

University of Oregon

Lane Community College

Willamette ESD Data Warehouse

Lane Education Service District

Eugene 4J School District

Springfield School District

14 Other Lane School Districts

Multi Purpose Agreement
- Allows Willamette ESD to store data for all parties
- Allows sharing of data between all parties
- Shares development cost between parties

Service Agreement
to Build the Data Warehouse and Maintain Data

Lane ESD will store and maintain data
Lane ESD can share data with partners

Researchers must be approved by Lane CC and UO Registrars and Lane ESD Superintendent.
The Research Dataset

**Higher Ed Student**
One record per term per student per institution

**Higher Ed Course**
One record per course per term per student per institution

**Higher Ed Award**
One record per student per award

**Program**
One record per student per program OR one record per student per program per time period

**K12 Student**
One record per year per student per institution

**K12 School Enrollment**
One record per student per institution per begin date

**K12 Attendance**
One record per student per day per institution

**K12 Program**
One record per student per institution per program

**K12 Courses**
One record per student per institution per course per begin date

**K12 Assessments**
One record per student per institution per assessment

Identifying information is stripped from this data.

All records are connected by the student’s CONNECTED_ID

Higher Ed data only appears for students who are in the K12 dataset

Not all K12 tables are listed
Load Process

1. Partner Prepares Data File
2. STAGING AREA
   temporary tables for load process
3. MATCH TABLE
   All Identifiers are stored here.
   Process is run to match new identifiers to existing students or create new students.
4. Research Dataset (matched by Connected ID):
   • Pre-Kindergarten Data
   • K-12 Data
   • Postsecondary Data
How We Match Data

1. K-12 Data (Lane County Schools)
   - K12 Oregon Secure Statewide ID (SSID)
     - Name/DOB/Address
   - K12 District ID
     - Name/Birthday/Address
   - Match Pre-K students against existing K12 and Pre-K students
   - Match new K12 students against existing K12 students (movement between schools)

2. Pre-Kindergarten Programs
   - K12 Oregon Secure Statewide ID (SSID)
     - Name/DOB/Address
   - Match Pre-K students against existing K12 and Pre-K students

3. Postsecondary Data (LCC and UO)
   - Higher Education Student ID
     - Name/Birthday/Address/High School
   - Match college students against existing K12 and college students
# The Match Process

<table>
<thead>
<tr>
<th>RESUBMIT</th>
<th>NEW SCHOOL Known ID</th>
<th>NEW SCHOOL No ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Same Institution</td>
<td>Institution</td>
<td>First Name (3A↑)</td>
</tr>
<tr>
<td>Oregon SSID</td>
<td>Oregon SSID</td>
<td>Last Name (6A↑)</td>
</tr>
<tr>
<td>District ID</td>
<td>District ID ID Type</td>
<td>Street Address (5A↑)</td>
</tr>
<tr>
<td>PIDM</td>
<td>PIDM ID Type</td>
<td>Birth date</td>
</tr>
<tr>
<td>Alternate ID</td>
<td>Alternate ID ID Type</td>
<td>Graduating High School</td>
</tr>
<tr>
<td>SSN</td>
<td>SSN</td>
<td></td>
</tr>
</tbody>
</table>

**NEW SCHOOL Known ID**
- First Name (3A↑)
- Last Name (6A↑)
- Street Address (5A↑)
- Birth date
- Graduating High School

**NEW SCHOOL No ID**
- First Name (3A↑)
- Last Name (6A↑)
- Street Address (5A↑)
- Birth date
- Graduating High School

(Audit?)
Phase 2: Adding Program Data

Data matched and loaded to a program table

Experimental Group

Control Group (optional)

Research Dataset (matched by Connected ID):
- K–12 Data
- Postsecondary Data

Track progress over time