Longitudinal Data Systems Across the Nation

1st Annual Data Summit: Investing in Hawai‘i’s future

Kathy Gosa – Kansas State Department of Education

Hawai‘i vs Kansas

<table>
<thead>
<tr>
<th></th>
<th>Hawai‘i</th>
<th>Kansas</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area</td>
<td>10,931 mi²</td>
<td>81,759 mi²</td>
</tr>
<tr>
<td>Population</td>
<td>1,360,301</td>
<td>2,853,118</td>
</tr>
<tr>
<td>Density</td>
<td>124.4 pop/mi²</td>
<td>34.9 pop/mi²</td>
</tr>
<tr>
<td>Median Age</td>
<td>38.6</td>
<td>36.0</td>
</tr>
<tr>
<td>K-12 Students</td>
<td>183,251</td>
<td>477,857</td>
</tr>
</tbody>
</table>
Hawai’i vs Kansas

SLDS/Data: How this all began...
Better decisions require better information.

– SLDS grant program principle

2006-2009 Investment
Focus: Building K12 Data System

10 Essential Elements

- Statewide student identifier
- Student-level enrollment data
- Student-level test data
- Information on untested students
- Statewide teacher identifier with a teacher-student match
- Student-level course completion (transcript) data
- Student-level SAT, ACT, and Advanced Placement exam data
- Student-level graduation and dropout data
- Ability to match student-level P–12 and higher education data
- State data audit system
Focus: Connecting & Using Data

2011

Number of Elements Implemented

- 0
- 1-3
- 4-5
- 6-7
- 8-9
- 10

DQC DATA QUALITY CAMPAIGN

SLDS

Transition to Postsecondary

Transparency

P-20W

Early Childhood

Linking

Workforce

Interoperability
2010-2012 Investment

From Data Systems to Data Use

College & Career Ready students

Teacher Effectiveness
Better decisions require better information.
College and Career Ready?

K12Postsecondary
43 states

K12PostsecondaryWorkforce
17 states

K12Workforce
14 states

K12-PS-WF: Using the Data

High School Feedback Reports

• Which students are on track for graduation, and which may be at risk for failure?
• Which schools and districts are best preparing students for life after high school?
• Which students go on to college but still need remediation when they arrive?
K12-PS-WF: Using the Data

High School Feedback Reports
Education & Workforce

Kentucky Center for Education and Workforce Statistics
- Use employment data as outcomes for education and training programs
- Inform educators about program need, demand, and what students should expect about employment location, potential wages
- Indicator of the need for new academic programs
- Indicator of out-of-state migration
- Work toward understanding the alignment between education production and workforce needs

K12-PS-WF: Using the Data
High School Feedback Reports
Education & Workforce

Informing Teacher Prep Programs

Delaware & Massachusetts
The Early Learning Data Challenge

Linking – Filling Gaps – Connecting

The Early Childhood Coordinated Data System
K12 and Early Childhood

Inform Policy & Practice

**Policy Questions**

- **Children**
  - Are children, birth to age 5, on track to succeed in K-12?
  - Which children have access to high quality ECE programs?

- **Programs**
  - Is the quality of the state’s early care programs improving?
  - What are the characteristics of effective programs?

- **Workforce**
  - How prepared is the ECE workforce to provide effective education and care for all children?
  - What policies and investments lead to a skilled workforce?
Inform Policy & Practice

Policy Questions
Program Effectiveness

Reports and scorecards for providers with
• Quality Rating and Improvement information
• Classroom assessment score
• Workforce qualifications and retention metrics
• Child demographics, enrollment, and outcomes
Training to providers to use and understand the data.

Expanding Across Sectors

Behavioral Health Needs Among DSHS Youth
On-time and late (6-year) graduation rates for youth with and without behavioral health needs

Graduated from high school?
Yes. Graduated
On time 63%
Late 46%

No Known Behavioral Health Need
Yes. Graduated
On time 63%
Late 46%

Mental Health Only
Yes. Graduated
On time 13%
Late 5%

Substance Abuse Only
Yes. Graduated
On time 15%
Late 5%

Both Mental Health and Substance Abuse
On time 12%
Late 5%

Graduated?
No

Washington Education Research & Data Center
Cross-State Connections

**MEIC Inter-state ID Exchange**
- K12 students
- Pilot: finding false dropouts
- Vision is to enhance education experience for mobile students

**SEED**
- Exchange K12 Student Records
- Improve Continuity of services to students
- Enhance states’ efforts to ensure graduation
- Validate student mobility
- Improve accuracy and reliability of graduation rates

**WICHIE**
- P20W data exchange

Data Governance is the foundation for data sharing and data use.
Extending Data Governance

**Centralized**
- One body governs across the different organizations
- Has broad strategic overview and ensures consistency.

**Federated**
- Multiple bodies that each govern their own organizations; but have representation from other organization(s) when issues cross boundaries.
- Accommodates organizational differences while supporting collaboration.
Extending Data Governance

NCES Model for P-20W Data Governance
• Multiple bodies each govern their own organization body
• A separate centralized body with representatives from each organization governs P-20W issues.

(Thank you!)
kgosa@ksde.org