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

Area: Hawai’i: 10,931 mi², Kansas: 81,759 mi²

Population: Hawai’i: 1,360,301, Kansas: 2,853,118

Density: Hawai’i: 124.4 pop/mi², Kansas: 34.9 pop/mi²

Median Age: Hawai’i: 38.6, Kansas: 36.0

K-12 Students: Hawai’i: 183,251, Kansas: 477,857
SLDS/Data: How this all began...
Better decisions require better information.

– SLDS grant program principle
2006-2009 Investment

Awards

- FY06
- FY07
- FY09

States color-coded according to their investment levels for the fiscal years 2006 to 2009.
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

Transition to Postsecondary

Early Childhood

Transparency

P-20W

Interoperability

Workforce

Linking
From Data Systems to Data Use

College & Career Ready students

Teacher Effectiveness
10 State Actions

Number of States with Each State Action: 2011 and 2012

- Action 1: P–20W linkages
  - 2011: 11
  - 2012: 14

- Action 2: Sustainability
  - 2011: 27
  - 2012: 35

- Action 3: Governance
  - 2011: 36
  - 2012: 40

- Action 4: Data repository
  - 2011: 44
  - 2012: 45

- Action 5: Stakeholder access
  - 2011: 2
  - 2012: 5

- Action 6: Reports on students
  - 2011: 29
  - 2012: 36

- Action 7: Reports on schools or groups of students
  - 2011: 36
  - 2012: 42

- Action 8: Research agenda
  - 2011: 31
  - 2012: 38

- Action 9: Educator capacity
  - 2011: 3
  - 2012: 6

- Action 10: Data awareness
  - 2011: 23
  - 2012: 26
Better decisions require better information.
College and Career Ready?

- 43 states K12 → Postsecondary
- 17 states K12 → Postsecondary → Workforce
- 14 states K12 → Workforce

9 states

22 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
Linking – Filling Gaps – Connecting
The Early Childhood Coordinated Data System
K12 and Early Childhood

*Not every state administers state pre-K or state-funded Head Start/Early Head Start programs
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

<table>
<thead>
<tr>
<th>Graduated from high school?</th>
<th>No Known Behavioral Health Need</th>
<th>Mental Health Only</th>
<th>Substance Abuse Only</th>
<th>Both Mental Health and Substance Abuse</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes. Graduated</td>
<td>On time 56%</td>
<td>Late 7%</td>
<td>On time 36%</td>
<td>On time 12%</td>
</tr>
<tr>
<td></td>
<td>Late 10%</td>
<td></td>
<td>Late 6%</td>
<td>Late 5%</td>
</tr>
<tr>
<td>Graduated</td>
<td>63%</td>
<td></td>
<td>46%</td>
<td>17%</td>
</tr>
</tbody>
</table>

Washington Education Research & Data Center

TOTAL = 28,922
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.
Data Governance
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.