

# Data Governance Update

Presented to the Quality Education Council  
May 10, 2010



# Data Governance Update

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# Background

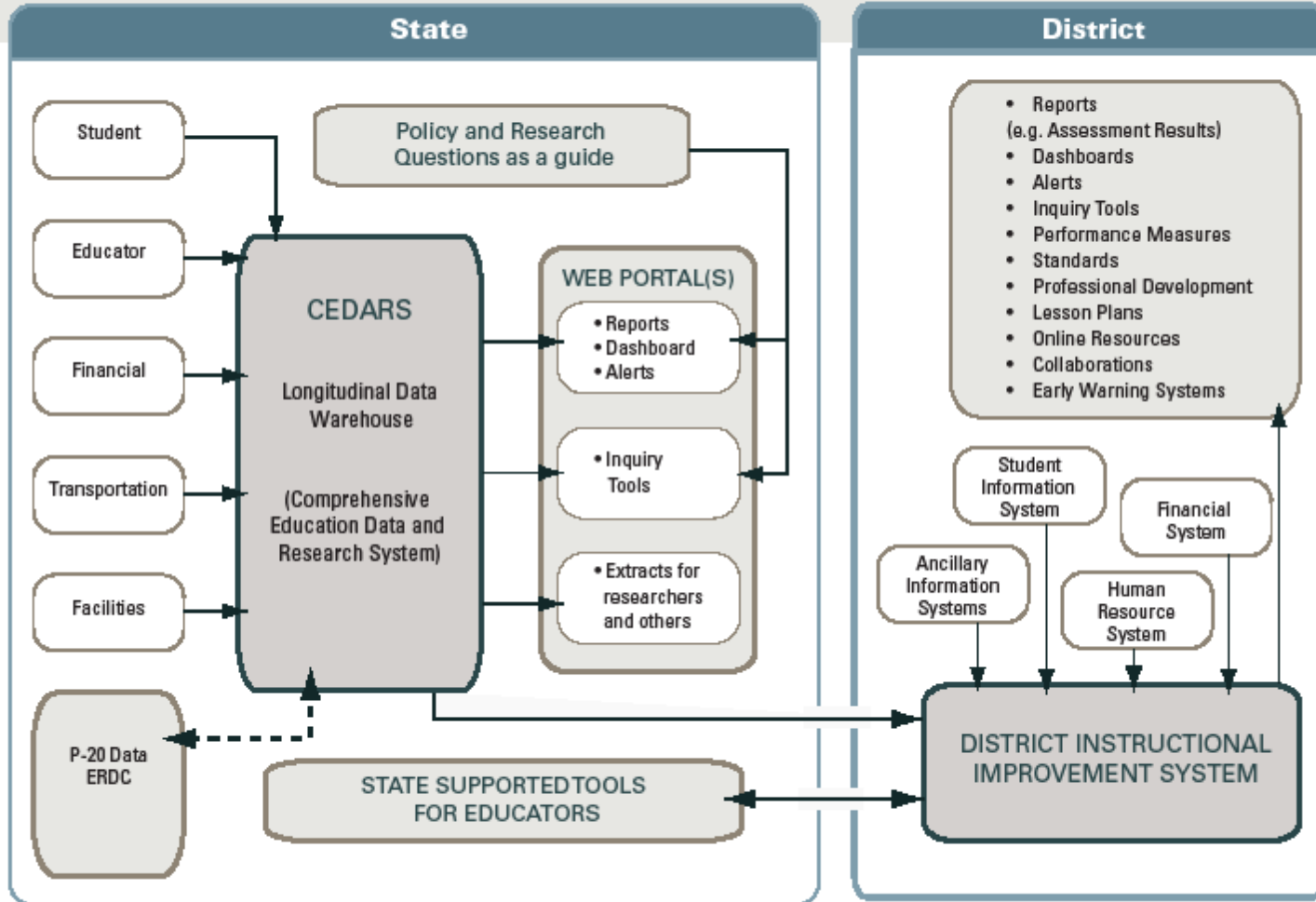
- ▶ ESHB 2261 (2009) required the establishment a comprehensive K–12 education data improvement system for **financial, student, and educator** data to:
  - Monitor student progress
  - Provide information on the quality of the educator workforce
  - Monitor and analyze the costs of programs
  - Provide for financial integrity/accountability
  - **Link** various data components by student, class, teacher, school, district, and statewide



# Vision

- ▶ Transition from an “allocation and compliance” data system to an “education improvement “ data system

## Washington's Statewide Proposed K-12 Longitudinal Education Data System



April 24th, 2010

# Data Governance Group

## ▶ Data Governance Group Members

- OFM Education Data and Research Center
- Legislative Evaluation and Accountability Program Committee
- OSPI
- State Board of Education
- Professional Educators Standards Boards
- School Districts
  - Fiscal
  - Student
  - Educator
- Center for School Effectiveness
- Washington Institute for Public Policy
- University of Washington
- Washington School Information Processing Cooperative

# Data Governance Group

- ▶ Held nine meetings since August 2009
  - Heard from teachers, principals, counselors, business officials, superintendents
    - What are your data needs?
    - How useful are current OSPI data systems
- ▶ Next meeting scheduled for May 18 at Puget Sound ESD
- ▶ During the December 16, 2009, meeting the members adopted Implementation Guidelines for the K-12 Data Governance System
  - Outlines the data management processes, policies and priorities for all K-12 data

# Data Governance Group

- ▶ With the assistance of a contractor, we identified the research and policy questions and are conducting the gap analysis
  - The research and policy questions report are available on the data governance web site at:  
<http://www.k12.wa.us/K12DataGovernance/Objectives.aspx> .
- ▶ In response to educator priorities, we are making it possible to move student data quickly when a student transfers from another district in Washington
  - Requirements documentation near completion and programming will begin soon

# Race to the Top Application

- ▶ The data governance team in the agency has completed the first draft of the “Data Systems to Support Instruction” section of the grant application
- ▶ This section is worth 47/500 total points in the overall application
- ▶ Three components:
  - Full implementation of our statewide longitudinal data system
  - Plans regarding access and use of state data
  - Plans for the increased use of local instructional improvement systems to support instruction
- ▶ Drafters feel confident that the plan in Washington compares favorably with the high scoring applications from Round 1
- ▶ The work and plans laid out in the grant application will form the basis for the report to the Legislature required in ESHB 2261

# K-12 Statewide Longitudinal Data System grant\project

- ▶ In September 2008, we applied for and were awarded \$5.9M for a National Center for Education Statistics K-12 Statewide Longitudinal Data System (K-12 SLDS) grant
  - The directives contained in ESHB 2261 and the work specified in the K-12 SLDS grant are complementary

# K-12 Statewide Longitudinal Data System grant\project

- ▶ Request for Proposal: Procure a technical infrastructure for the reporting framework
  - Must have been successfully implemented at another education agency
- ▶ Technical Infrastructure/Framework for Data Warehouse: A central data repository or warehouse to store the extensive data collected from Washington's 295 school districts and data from other internal and external sources
  - This warehouse will allow for the efficient delivery of the tools and reporting outlined below

# K-12 Statewide Longitudinal Data System grant\project

- ▶ Tools and Reporting: CEDARS warehouse will generate reports available through the web portal(s) that will provide feedback to educators, administrators, policy makers, researchers and the general public. These tools and reports will take the form of data dashboards, alerts, canned reports and extracts

# Reports Required in ESHB 2261

- ▶ See Handouts
  - Table breaking down the reports required in ESHB 2261
- ▶ Work on reports is a major component of the SLDS grant project

# Compliance Reports Documentation required in SB 5738

- ▶ Eighty-four compliance reports currently required of school districts
  - Four reports will be integrated into the K-12 longitudinal education data system
  - Three will be eliminated due legislative changes and the loss of federal funding
  - Seven reports, or 8.3 percent, will be eliminated or incorporated in the K-12 longitudinal education data system
- ▶ Report will be maintained by the Data Governance Coordinator and the Data Management Committee
- ▶ It is the goal of the OSPI to continue to reduce the burden of the data aggregation and reporting required of school districts

# New Data Requirements

- ▶ SB 6696 – Educator evaluation data
  - Rubric information\data from all districts
  - Student achievement data from pilot program
- ▶ Capital Budget – School Building Inventory
  - Data on regarding school districts' use of state funds to assist with maintenance
- ▶ HB 2776 – Student transportation
  - Data to support the new student transportation funding formula

# Issues to work on

- ▶ **Dropout Early Warning and Intervention System**
  - How is a statewide application built with multiple vendors at the local level?
  - How is a statewide system built that requires statewide and local data in different combinations in different districts?
- ▶ **Should the state collect student level suspension and expulsion data?**
  - Currently only aggregate level data on suspension and expulsions related to substance abuse and certain categories of violence are reported to the state.



# More Information?

- ▶ Bob Butts [bob.butts@k12.wa.us](mailto:bob.butts@k12.wa.us)
- ▶ Cal Brodie [cal.brodie@k12.wa.us](mailto:cal.brodie@k12.wa.us)
- ▶ Bill Huennekens [bill.huennekens@k12.wa.us](mailto:bill.huennekens@k12.wa.us)
- ▶ Allen Miedema [amiedema@nsd.org](mailto:amiedema@nsd.org)

## Reports in ESHB 2261, Section 203

To the extent data are available; OSPI shall make the following reports available on the internet:

Report	Status	Comment/Questions
<b>Data Compliance and Accuracy</b>		
<b>Compliance/Accuracy:</b> The percentage of:		
data compliance by school district	Working on reports for CEDARS with the goal of posting them on the internet by September 2010. Work on professional development to assist with compliance and accuracy is part of the SLDS grant	We are in the process of identifying measures to define compliance/accuracy. Currently two methods are being used and tested: 1) tracking that each district submits data on a monthly basis, and 2) did the district submit monthly enrollment counts +/- 5% as compared to last year.
data accuracy by school district		
<b>Fiscal</b>		
<b>Cost of K-12 basic education:</b>		Reports that list this information by district and average per student are available on the OSPI website at <a href="http://www.k12.wa.us/safs/">http://www.k12.wa.us/safs/</a> under the financial history reports link. Two subsidiary links provided different modes of displaying this information. 1) The Financial Reporting Summary presents a series of tables that present all districts by total expenditure and revenue amounts as well as an average per student. This series of reports is available on our website back 10+ years. 2) The Financial History Reports are a series of Excel workbooks that allows the user to target an individual school district of interest. Each workbook presents five years of information. Both of these report series are available in a PDF and also an Excel format that allows users employ this data locally for their own derivative analyses.
per student	Done	Average per student is included in report series above
by student		Accounting systems do not currently support this level of costing.
by school district	Done	Included in report series above
estimated by the algorithm: magnitude of spending per student		Accounting and data systems do not currently support this level of costing.
reported in the same manner as the magnitude of spending per student		Accounting and data systems do not currently support this level of costing.
<b>Special education services:</b> The cost of K-12 special education services:		Please refer to answer above
per student	Done	Average per student is included in report series above

Report	Status	Comment/Questions
<b>Fiscal</b>		
<p><b>Magnitude of spending per student:</b> The magnitude of spending per student, by student estimated by the following algorithm and reported as the detailed summation of the following components:</p>		<p>Education data systems do not capture individual student level expenditures. The data provided above contains the best available data. Upon implementation of the new funding formula district and building level account reports will be available.</p> <p>Sample reports based on what is available today are available</p>
<p>An approximate, prorated fraction of each teacher or human resource element that directly serves the student. Each human resource element must be listed or accessible through online tunneling in the report</p>		<p>See above.</p>
<p>An approximate, prorated fraction of classroom or building costs used by the student</p>		<p>See above.</p>
<p>An approximate, prorated fraction of transportation costs used by the student</p>		<p>See above.</p>
<p>An approximate, prorated fraction of all other resources within the district. District-wide components should be disaggregated to the extent that it is sensible and economical</p>		<p>See above.</p>
<p>by student receiving those services</p>		<p>This is not possible because of Federal Privacy Regulations and accounting systems do not currently support this level of costing</p>
<p>by school district</p>	<p>Done</p>	<p>Included in report series above: cost of K-12 basic education</p>
<p>estimated by the algorithm: magnitude of spending per student</p>		<p>See Above.</p>
<p>reported in the same manner as required above</p>		<p>See Above.</p>
<p><b>The cost of K-12 education per student by school district sorted by:</b></p>		<p>Included in report series above: cost of K-12 basic education</p>
<p>federal funds</p>	<p>Done</p>	<p>Included in report series above: cost of K-12 basic education</p>
<p>state funds</p>	<p>Done</p>	<p>Included in report series above: cost of K-12 basic education</p>
<p>local funds</p>	<p>Done</p>	<p>Included in report series above: cost of K-12 basic education</p>

Report	Status	Comment/Questions
<b>Statewide Assessment Results</b>		
<p><b>Statewide assessments:</b> Improvement in statewide assessment results computed as both a percentage change and absolute change on a scale score metric by:</p> <p>district</p> <p>by school</p> <p>by teacher</p> <p>that can also be filtered by a student's length of full-time enrollment within the school district</p>	<p>It is anticipated that a system similar to the Colorado Growth model will meet this requirement. OSPI plans on joining a consortium of other states that want to utilize and enhance the Colorado Growth model.</p>	<p>The Colorado Growth Model answers the following questions:</p> <ul style="list-style-type: none"> <li>• How much growth did a child make in one year?</li> <li>• How much growth is enough to reach proficient (or advanced)?</li> <li>• How much growth have similar students made, i.e., those with the same score history?</li> </ul> <p>Growth Model is built on the notion of growth percentiles:</p> <ul style="list-style-type: none"> <li>• Growth compared both to standards &amp; similar students</li> <li>• Growth is expressed as a percentile</li> <li>• Tells where a student is vs. those at same start place</li> <li>• Typical growth is equal to the 50th percentile</li> <li>• The concept is similar to pediatric growth charts</li> </ul>
<b>Class Size/Teacher Student Ratios</b>		
<p><b>Students per classroom teacher:</b> Number of K-12 students per classroom teacher on a per teacher basis</p>	<p>Draft report available by mid June from data in CEDARS.</p>	<p>Current information available regarding staff ratios per student are available as part of the annual Personnel Summary Report. These reports are based upon the October 1<sup>st</sup> snapshot of district staff used in the funding formulas. Tables 41 through 47 present a variety of staffing profiles by district. The 2008-09 data reporting is available at <a href="http://www.k12.wa.us/safs/PUB/PER/0809/ps.asp">http://www.k12.wa.us/safs/PUB/PER/0809/ps.asp</a></p>
<p><b>Classroom teachers per student:</b> Number of K-12 classroom teachers per student on a per student basis;</p>		<p>Need clarification on this item.</p>
<p><b>Percentage of a classroom teacher per student:</b> Percentage of a classroom teacher per student on a per student basis</p>		<p>Is this to be derived from above?</p>

# Washington's Statewide Proposed K-12 Longitudinal Education Data System

