



*Using Data
to Improve
Student
Achievement*

Safeguarding Data to Ensure Effective Data Use

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The Value of Data

Why Data Matters to Everyone with a Stake in Education

Parents:

“Is my child on track to graduate college and career ready?”

Teachers:

“How do I know if my students are learning the material?
How can I improve my teaching?”

**School/district
administrator:**

“Are more of our students prepared for college and careers
than last year?”

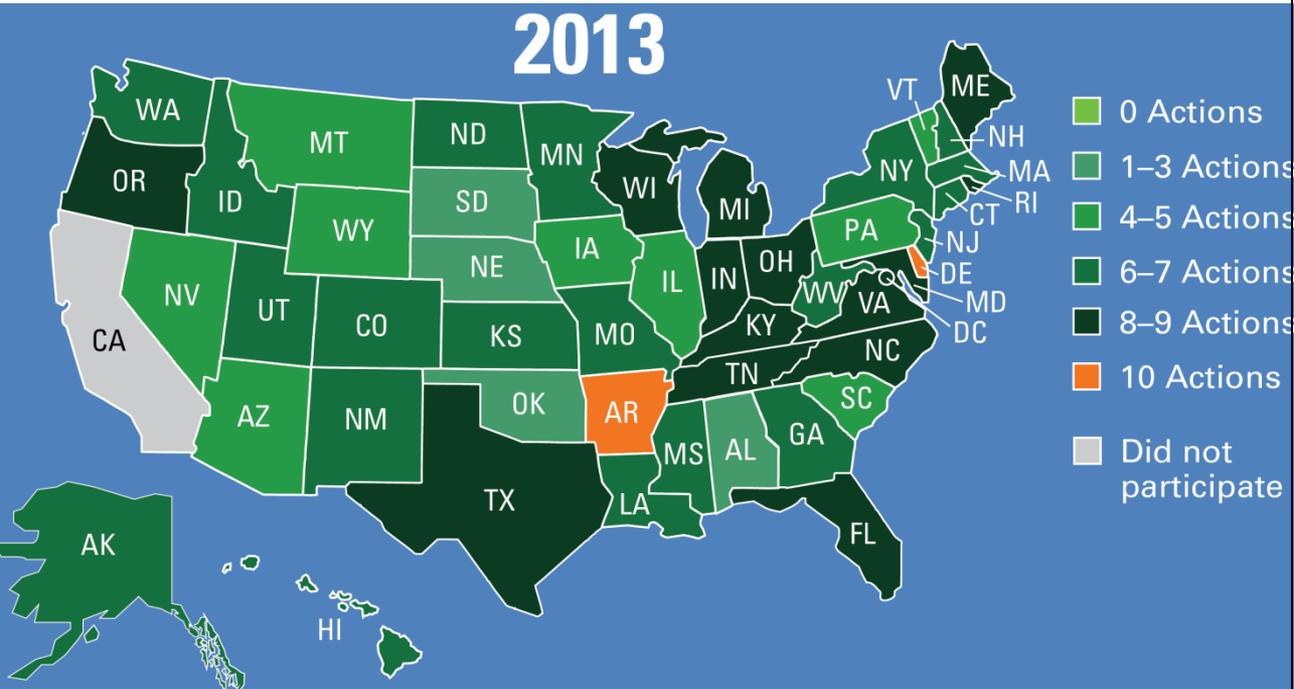
Policymakers:

“Are the state’s colleges and universities producing enough
graduates with the right degrees or skillsets to meet the
workforce needs of the state’s employers?”

The public:

“How are the schools in my community and my state
performing?”

Changing Culture is *Harder* than Building Systems



10 State Actions

1. Link P-20/W Data Systems (18 states)
2. *Create stable, sustained support (41)*
3. *Develop governance structures (43)*
4. *Build data repositories (48)*
5. *Provide timely data access (9)*
6. *Create individual student progress reports (38)*
7. *Create longitudinal reports (46)*
8. *Develop research agenda (41)*
9. Build educator capacity (12)
10. *Raise awareness of available data (34)*



The Privacy Conversation

Landscape of Privacy Concerns

School-reported student data

- The scope and type of student data schools collect and the privacy of those data
- Who is collecting and accessing student data/education records
- The role of 3rd party service providers
- The role of the Assessment Consortia

Self-reported student data

- Protections and use of data collected when teachers and schools use free cloud based tools
- Protections and use of data collected through school-sanctioned social networking or communication tools



Barriers to Addressing Privacy Concerns

Lack of communication with parents and the public around the value of data and the systems in place to protect privacy.

Information needs and technology are evolving faster than our state policies.

We are not well-versed in *talking* (i.e., too much legal jargon) about privacy, security, and confidentiality.

Lack of understanding how to address the personal nature of privacy and build trust.



Education Data Collection

Student Education Data Collected by States

10 Essential Elements

- ELEMENT 1**..... Statewide student identifier
- ELEMENT 2**..... Student-level enrollment data
- ELEMENT 3**..... Student-level test data
- ELEMENT 4**..... Information on untested students
- ELEMENT 5**..... Statewide teacher identifier with a teacher-student match
- ELEMENT 6**..... Student-level course completion (transcript) data
- ELEMENT 7**..... Student-level SAT, ACT, and Advanced Placement exam data
- ELEMENT 8**..... Student-level graduation and dropout data
- ELEMENT 9**..... Ability to match student-level P–12 and higher education data
- ELEMENT 10**..... State data audit system

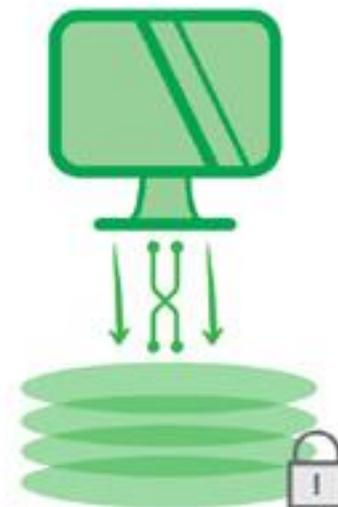
An Evolution: Collecting, Storing, & Securing Student Data



Back in the Day



1990's

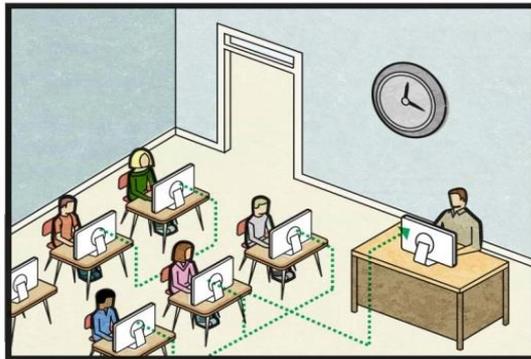
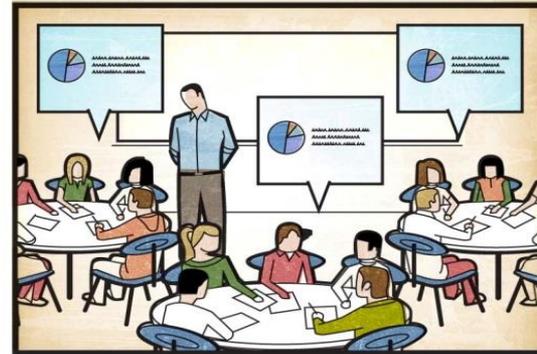


Today

Image Source: *Louisiana State Board of Elementary and Secondary Education*

Not All Student Data Are Created Equal

Data collected by districts



Data collected by vendors through online services

State policymakers need to govern **all** types of data, but **differently**.



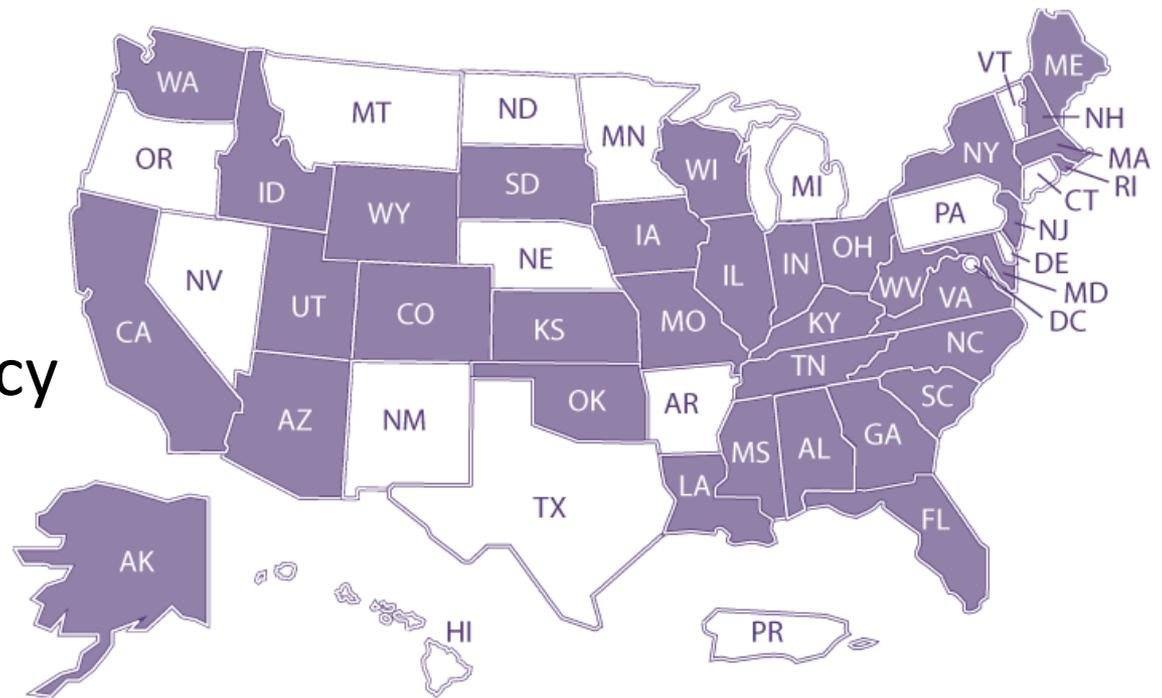
Addressing Privacy Concerns

Activity in the States: 2014

110

bills related to
student data privacy
in

36 states



The State Role

- » Provide **transparency** to ensure parents understand the “who, what, where, how” of data collection/use
- » Deliver **services** to demonstrate the value of data: trust is based on relationship and services are the key (e.g., student data backpacks)
- » Shift the **culture** around data use by communicating that data is used for continuous improvement; not just accountability/compliance
- » Support your **districts** with resources, model policies, tech assistance, guidance, training
- » Establish 21st century privacy/security **policies** that don't unnecessarily prohibit data from being used in support of student achievement.



Questions?

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