



**DATA**QUALITY  
CAMPAIGN  
Using Data To Improve Student Achievement

## Opportunities in the ARRA to Build & Support the Use of State Longitudinal Data Systems

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# The Ten Essential Elements

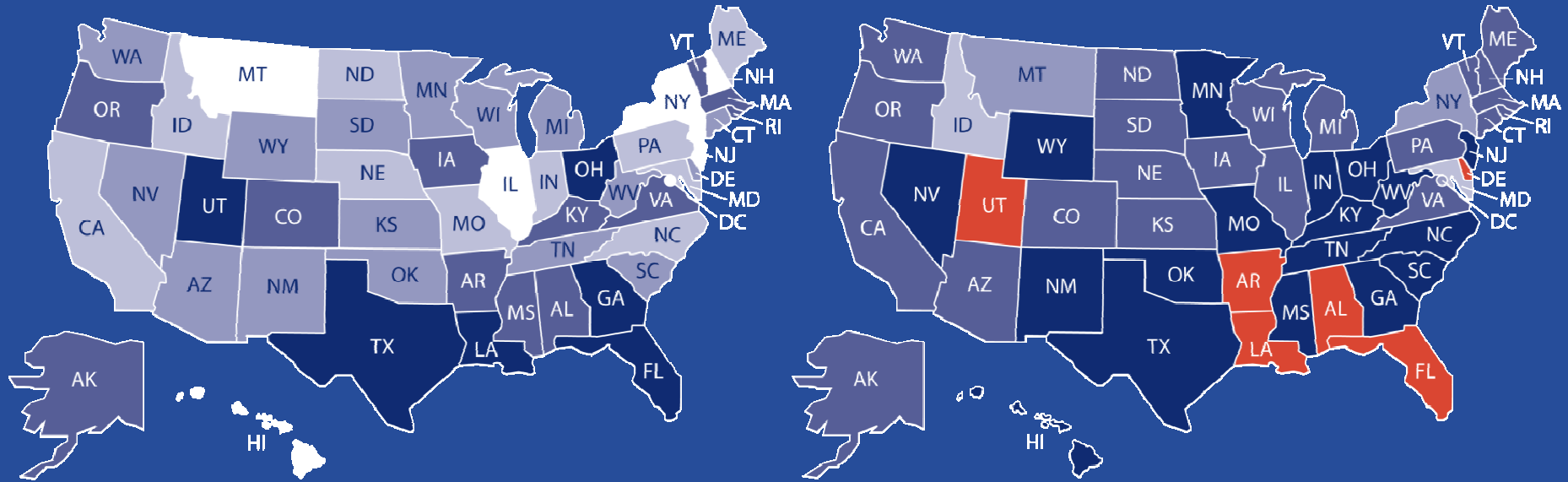
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<b>10 Essential Elements of a Longitudinal Data System</b>	<b># States</b>
1. Unique statewide student identifier	36 -- 48
2. Student-level enrollment, demographic and program participation information	38--49
3. Ability to match individual students' test records from year to year to measure growth	32--48
4. Information on untested students	25--41
5. Teacher identifier system with ability to match teachers to students	13--21
6. Student-level transcript information, including information on courses completed and grades earned	7--17
7. Student-level college readiness test scores	7--29
8. Student-level graduation and dropout data	34--50
9. Ability to match student records between the P-12 and postsecondary systems	12--28
10. State data audit system assessing data quality, validity, and reliability	19--45

# DQC Progress: 2005-2008

2005

2008



■ 0 elements/not part of 2005 survey   ■ 4-5 elements   ■ 8-9 elements  
■ 1-3 elements   ■ 6-7 elements   ■ 10 elements

# Data Opportunities in ARRA

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## \$250 Million for State Longitudinal Data Systems

- Competitive Grant managed by Institute of Education Sciences
- Help states implement and use state longitudinal data systems (based on DQC ten elements, but also postsecondary and workforce data)
- Since 2005 50 states have applied for these grants in 3 rounds of funding; 27 states have received in first 2; last round will be announced in near future

# Data Opportunities in ARRA

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## \$53.6 Billion in Stabilization Funds

- \$48.6 B to assist education budgets (formula)

To tap into these funds, states must meet 4 Assurances:

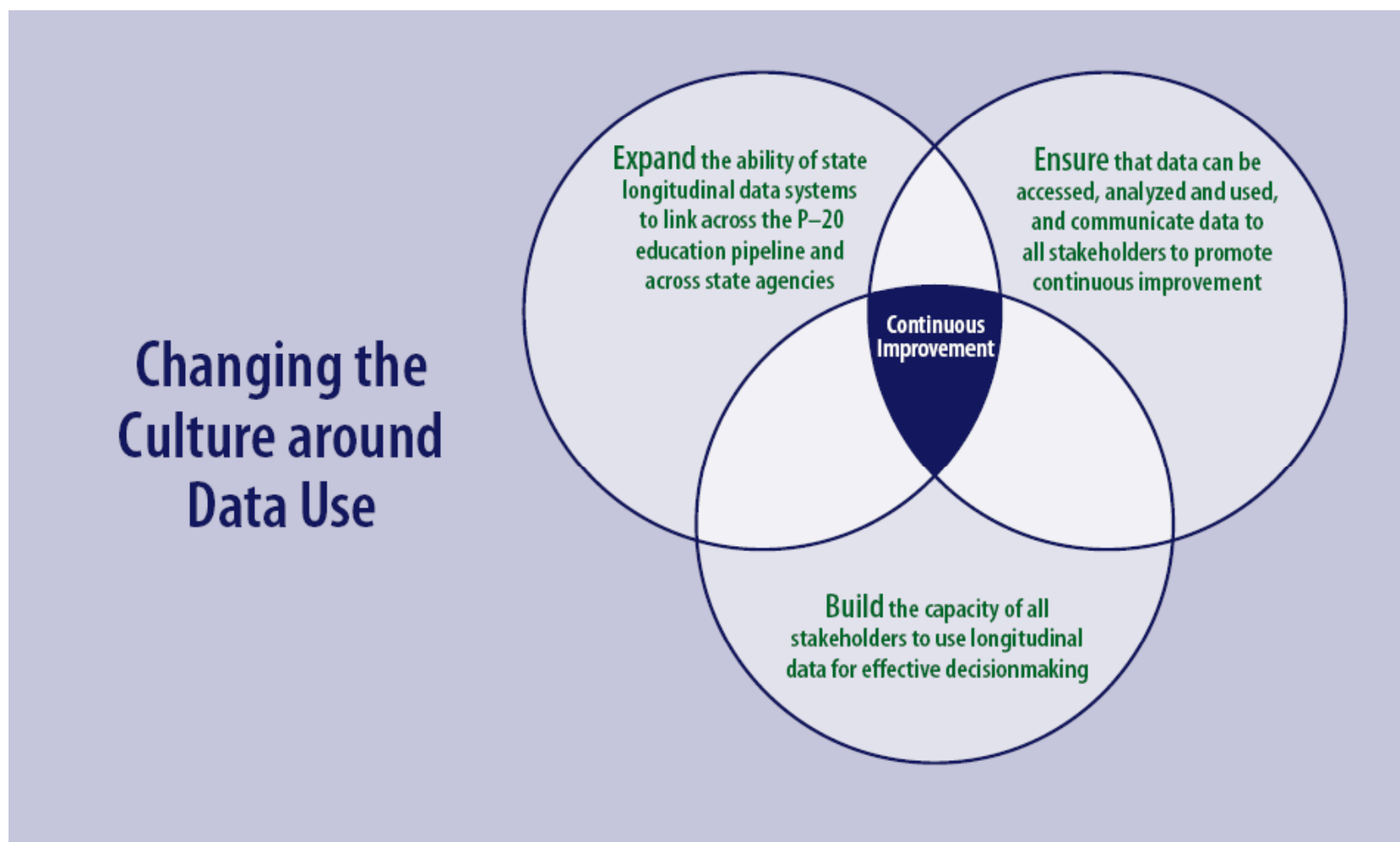
1. Equalize Teacher Distribution
2. Enhance Quality & Alignment of Assessments
3. Support Struggling Schools
4. **IMPROVE THE COLLECTION & USE OF LONGITUDINAL DATA**

- \$5B State Incentive Grants—Race to the Top

Distributed by Secretary by competitive grant to help states fully meet the assurances goals

## Phase II of the DQC: Changing the Culture around data use and maximizing states' investments in longitudinal data systems.

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# 10 State Actions To Ensure Effective Data Use

**Expand** the ability of state longitudinal data systems to link across the P–20 education pipeline and across state agencies.

1

Link state K–12 data systems with early learning, postsecondary education, workforce, social services and other critical state agency data systems.

2

Create stable, sustained support for robust state longitudinal data systems.

3

Develop governance structures to guide data collection, sharing and use.

4

Build state data repositories (e.g., data warehouses) that integrate student, staff, financial and facility data.

# 10 State Actions To Ensure Effective Data Use

**Ensure** that data can be accessed, analyzed and used, and communicate data to all stakeholders to promote continuous improvement.

5

Implement systems to provide all stakeholders timely access to the information they need while protecting student privacy.

6

Create progress reports with individual student data that provide information educators, parents and students can use to improve student performance.

7

Create reports that include longitudinal statistics on school systems and groups of students to guide school-, district- and state-level improvement efforts.

# 10 State Actions To Ensure Effective Data Use

**Build** the capacity of all stakeholders to use longitudinal data for effective decisionmaking.

8

Develop a purposeful research agenda and collaborate with universities, researchers and intermediary groups to explore the data for useful information.

9

Implement policies and promote practices, including professional development and credentialing, to ensure that educators know how to access, analyze and use data appropriately.

10

Promote strategies to raise awareness of available data and ensure that all key stakeholders, including state policymakers, know how to access, analyze and use the information.

# Strategic Stimulus Investments to Promote the Use of Data

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States should consider using ARRA funds to:

- Fully implement the DQC 10 Essential Elements
- Embark on the new 10 State Actions to Ensure Effective Data Use
- Work collaboratively with districts to ensure state systems are built to serve district needs
- Address data architecture issues (and work to develop common data models) to promote interoperability of data systems