Developing and Supporting P-20 Education Data Systems: A State of the States

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Aimee R. Guidera
Executive Director, DQC
The Ten Essential Elements

1. Unique statewide student identifier (48 states, up from 36 in 2005)
2. Student-level enrollment, demographic and program participation information (49, up from 38 in 2005)
3. Ability to match individual students’ test records from year to year to measure growth (48, up from 32 in 2005)
4. Information on untested students (41, up from 25 in 2005)
5. Teacher identifier system with ability to match teachers to students (21, up from 13 in 2005)
6. Student-level transcript information, including information on courses completed and grades earned (17, up from 7 in 2005)
7. Student-level college readiness test scores (29, up from 7 in 2005)
8. Student-level graduation and dropout data (50, up from 34 in 2005)
9. Ability to match student records between the Pre-K-12 and post-secondary systems (28, up from 12 in 2005)
10. State data audit system assessing data quality, validity, and reliability (45, up from 19 in 2005)
DQC Managing Partners

Achieve, Inc

Alliance for Excellent Education

Council of Chief State School Officers

Education Commission of the States

The Education Trust

National Association of State Boards of Education

National Association of System Heads

National Center for Educational Accountability*

National Center for Higher Education Mgt Systems

National Governors Assoc. Center for Best Practices

Schools Interoperability Framework Association

Standard & Poor’s School Evaluation Services

State Educational Technology Directors Association

State Higher Education Executive Officers

*The campaign is supported by The Bill & Melinda Gates Foundation and managed by the National Center for Educational Achievement.
DQC Endorsing Partners

ACT
Alliance for Quality Teaching
American Association of Colleges for Teacher Education
American Association of State Colleges and Universities
American Board for Certification of Teacher Excellence
American Productivity & Quality Center
American Society for Quality
American Youth Policy Forum
Business-Higher Education Forum
Center for Teaching Quality
College Summit
Consortium for School Networking
Educational Policy Institute
ETS
GreatSchools
Institute for a Competitive Workforce
Institute for Educational Leadership
James B. Hunt Institute for Educational Leadership and Policy
Jobs for the Future
Knowledge Alliance
League of Education Voters Foundation
Learning Point Associates
Midwestern Higher Education Compact
National Alliance for Public Charter Schools
National Association of Secondary School Principals
National Association of State Directors of Teacher Education and Certification
National Center for Public Policy and Higher Education
National Council for Accreditation of Teacher Certification
National Student Clearinghouse
New England Board of Higher Education
Pathways to College Network
Postsecondary Electronic Standards Council
Pre-K Now
Roads to Success
Southern Regional Education Board
Western Interstate Commission for Higher Education
State of the Nation: Matching Student Records between K-12 and Postsecondary Systems

[Map showing states with matching records]
Element 9: 2005-2008

Ability to Match Student Records between P-12 and Postsecondary Systems

- 2005: 12
- 2006: 18
- 2007: 22
- 2008: 28

12/17/2008
States Sharing Student Records: Past, Present, and Future

Number of States (n=46) Sharing Data between K-12 and Postsecondary (by year data first shared or plan to share)
State of the Nation: Survey Results on Matching Student Records between K-12 and Postsecondary Systems

- Capacity to share records (DQC, 2008): 28 Plan, 20 Yes
- Link SUR data with high school records (NCHEMS, 2006): 11 Plan, 16 Yes
- Develop a P-20 longitudinal data system (Achieve, 2008): 9 Plan, 38 Yes
States that Connect to Other Key State Agencies
States that Connect to Other Key Agencies

- Labor: 8
- Corrections: 11
- Health: 11
- Human Svcs: 27
- Child Prot Svc: 4
- Foster Care: 6
- Police: 3
- Court: 5
- Other: 7

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Survey of State Higher Education SUR Database Capabilities

47 SUR Databases

40 States have at least 1 SUR Database system

- 33 have 1 SUR system
- 5 have 2 SUR systems
- 1 has 3 SUR systems
- 1 has SUR system but did not complete the survey

36 SUR Databases use SSN as key link
Linking SUR Data to HS and Employment Records (n=46)

**Question 1:** Link SUR Data with HS Records?
- Yes: 11
- No: 19
- In Process: 16

**Question 2:** Link SUR Data with Employment Records?
- Yes: 23
- No: 20
- In Process: 3

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Recommendations

- Establish a common core of data elements
- Identify and share best practices in data analysis and reporting
- Create a third-party data matching utility
- Better align K-12 and higher education data resources
- Clarify and re-regulate FERPA
Barriers and Solutions to P-12 and Postsecondary Data Alignment

**BARRIERS**

![Pie chart showing common barriers reported by P-12 data directors to matching student records between P-12 and postsecondary data systems (n=34)].

- Incompatible systems (2 states)
- Lack of common identifiers (11 states)
- Lack of resources (11 states)
- Other (4 states)
- State law forbids coordination between P-12 and postsecondary systems (4 states)
- Lack of coordination between P-12 and postsecondary systems (4 states)

**SOLUTIONS**

**Technical**
- MN KY require HS to place unique # on transcripts
- SC IN LA use e-transcripts
- LA KY use feedback reports

**Political**
- 43 States have P-16/20 Council
- 36 States have a statewide group that discusses P-20 data systems
- VA made changes to state law to allow record sharing
- LA ability to share data based on culture of collaboration

Source: Data Quality Campaign, 2007 NCEA Survey of State P-12 Data Collection Issues Related to Longitudinal Analysis
FERPA and Record Sharing

• Postsecondary institutions may receive from SLDS personally identifiable information on students for admission, placement and related decisions.

• Postsecondary institutions may disclose to the SLDS data on enrolled students for evaluating education programs
  - Data can also be shared with schools for evaluation

• Review state privacy laws
  - 4 states prohibit sharing records (CT, NH, OH, WI)

**Figure 3. Means by Which States Match Student Records between P–12 and Postsecondary Systems (n=22)**

- State-assigned identifier (5 states)
- Social Security number (4 states)
- Demographic information (13 states)

Source: Data Quality Campaign, 2007 NCEA Survey of State P–12 Data Collection Issues Related to Longitudinal Analysis
Aligning P-20 Data Systems: Delaware

Governance
• P-20 Council established by executive order (2003) and legislatively enacted (2005)

Data Systems Alignment
• Data analysis cube
• Student ID #s on HS transcripts
• Data systems driven by policy discussions

Future Plans
• Increase access to and use of data analysis by instructional leaders
Aligning P-20 Data Systems: Kentucky

Data Systems Alignment
• Council on Postsecondary Education (CPE) manages and matches student demographic data

Benefits
• CPE HS feedback reports enable stakeholders to determine program and school success

Challenges
• Improve implementation of new unique student ID

Future Plans
• K-16 Council passed a resolution to support the development of a P-20 data warehouse
Aligning P-20 Data Systems:

**Louisiana**

**Governance**
- Strong culture of collaboration

**Benefits**
- First-Time College Freshman State Report provides feedback to HS
- Electronic Student Transcript System minimizes time and complexity
- Link student academic growth to teacher preparation programs

**Challenges**
- Keeping pace with data demands
Aligning P-20 Data Systems: Minnesota

Governance
• P-16 Education Partnership is a voluntary advisory group

Data Systems Alignment
• P-16 Student Identification System Working Group decided which data elements to collect
• Use K-12 student ID in postsecondary

Future Plans
• Focus on issues around student privacy (FERPA)
Action Steps

Develop and use a mechanism for sharing data between P-12 and Postsecondary systems

Ensure Stakeholder involvement in development of alignment process

Make investing in aligned data systems, especially P-20 councils, a priority on the agenda of state leaders

Address sustainability of funding for P-20 data systems and research

Update state privacy laws to ensure appropriate data sharing

Explicitly define policy questions on which information is needed

Create a single postsecondary repository of student-level data for all public postsecondary institutions

Explore linking apprenticeship, job training and workforce information to school performance for evaluation
DQC Phase II: Expanding the Focus

Align, Link, and Share Data Across the Pipeline

- Pre K and K-12 and Postsecondary
- P-20 with other critical data systems (health, labor, social services)
- Across districts and states

Focus on Using Longitudinal Data for Improving Student Achievement

12/17/2008
Phase II of Data Quality Campaign

DQC Partners have renewed their commitment to work together over the next 3 years to build support and political will to:

1. Grow and sustain longitudinal data systems that follow individuals through the P-20 Pipeline
2. Ensure broad, yet appropriate, access to these data
3. Increase capacity to understand & use these data to improve system performance and student achievement.
Contact the DQC:

Aimee R. Guidera
Data Quality Campaign Director

Aimee@DataQualityCampaign.org
952-476-0054
www.DataQualityCampaign.org