System Overview

Digital Student Data Depositories
Worldwide Founding Seminar
Groningen, Netherlands
April 16, 2012
Quick Facts

- National Student Clearinghouse founded in 1993
  - 501(c)(6) non-profit organization
  - 15 member Board of Directors comprised of leaders in postsecondary education, K-12 education, research and education finance

- National Student Clearinghouse Research Center created in 2010
  - 501(c)(3) non-profit organization
  - 11 member Board of Directors comprised of research experts from postsecondary education, K-12 education, and multistate organizations

- Advisory Committees
  - Data Access Advisory Committee
    • Provides guidance on use of data and research
  - Clearinghouse Advisory Committee
    • Provides guidance on institutional burdens and how NSC can help
## Enrollment Reporting Participation : 3,350 Institutions

<table>
<thead>
<tr>
<th>Institution Type</th>
<th>U.S. Enrollment by Sector per IPEDS (in millions)</th>
<th>% with NSC Contracts*</th>
<th>% NSC Active*</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Year Public</td>
<td>7.1</td>
<td>99.0%</td>
<td>97.1%</td>
</tr>
<tr>
<td>4 Year Public</td>
<td>7.8</td>
<td>99.6%</td>
<td>98.8%</td>
</tr>
<tr>
<td><strong>Total Public</strong></td>
<td><strong>14.9</strong></td>
<td><strong>99.3%</strong></td>
<td><strong>98.1%</strong></td>
</tr>
<tr>
<td>2 Year Private</td>
<td>0.05</td>
<td>42.2%</td>
<td>28.8%</td>
</tr>
<tr>
<td>4 Year Private</td>
<td>3.9</td>
<td>96.0%</td>
<td>92.0%</td>
</tr>
<tr>
<td><strong>Total Private</strong></td>
<td><strong>3.9</strong></td>
<td><strong>95.4%</strong></td>
<td><strong>91.2%</strong></td>
</tr>
<tr>
<td><strong>Total Private and Public</strong></td>
<td><strong>18.8</strong></td>
<td><strong>98.6%</strong></td>
<td><strong>96.7%</strong></td>
</tr>
<tr>
<td>4 Year For-Profit</td>
<td>1.5</td>
<td>85.9%</td>
<td>70.3%</td>
</tr>
<tr>
<td>2 Year For-Profit</td>
<td>0.3</td>
<td>38.5%</td>
<td>18.6%</td>
</tr>
<tr>
<td><strong>Total For-Profit</strong></td>
<td><strong>1.8</strong></td>
<td><strong>77.4%</strong></td>
<td><strong>61.0%</strong></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>20.7</strong></td>
<td><strong>96.7%</strong></td>
<td><strong>93.6%</strong></td>
</tr>
</tbody>
</table>

*Percentages based upon % of enrolled students, not number of institutions*
## Clearinghouse Data

### The data is

<table>
<thead>
<tr>
<th><strong>Complete</strong></th>
<th>All enrolled students</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Current</strong></td>
<td>Data is received at least 4 times each enrollment period, (multiple times/term)</td>
</tr>
<tr>
<td><strong>Comprehensive</strong></td>
<td>Not bound by state boundaries or institutional sponsorship</td>
</tr>
<tr>
<td><strong>Conclusive</strong></td>
<td>Authentic, not survey or anecdotal</td>
</tr>
</tbody>
</table>
Overview of NSC integrated data collection, authentication and reporting system

- Cover critical aspect of US implementation
- Cover major benefits

- All services are offered free of charge to the schools
- Major source of income: verification services
- 700MM verifications performed annually
Clearinghouse Enrollment and Credential system

1. NSC establishes agency relationship with schools

Agency relationship allows for:

1. NSC to perform service on schools behalf
2. Submit compliance information to DoE
3. Serve as an authorized intermediary
4. Trusted relationship
Clearinghouse Enrollment and Credential system

2. Schools send enrollment and completion data to NSC

Data collection philosophy: Reflect both school and student behavioral nuances

1. At most 50 understood data elements
2. Varying frequencies reflecting rolling matriculation terms AND completion dates
3. Student activity driven
4. Data sent via SFTP mailboxes and pipes
5. NSC validates data prior to loading

Example: Univ of Phoenix sends 500K students weekly
Clearinghouse Enrollment and Credential system

Verification Services: Built into system
1. Ongoing enrollment verification to support student services (i.e.: student discounts, student loans/grants status reporting)
2. Ongoing diploma/cert verification services (i.e.: employment, admissions, faculty)
3. Linkage of enrollment and degree student information = strong fraud prevention
4. Average verification takes 1 second

Example:
- 20% of schools add a degree verification surcharge
- Academic superstore verifies enrollment status for student discounts
- Schools link enrollment and degree to validate prospective students
Clearinghouse Enrollment and Credential system

3B. Services performed on schools behalf

Academic authentication services supporting student mobility:

1. School to school transcript transmission (pdf, edi, xml)
2. All transcripts go though SFTP mailboxes and pipes managed by NSC
3. Built into the system

Example:
- States uses NSC platform to exchange transcripts among schools
- NSC now working on setting up international network
Academic administrative support services:
1. Enrollment management services (tracking transfers, admitted but non-enrolled students and graduates)
2. Completion statistics
3. Accreditation data support
4. HS graduate success rate reporting
5. Canned reports

Example:
- Government reporting on success rates
- 43 States use NSC to track high school graduates
4. Public Policy analysis

Enabling public policy trend analysis:
1. Student educational pathway perspective
2. Institutional view
3. Real time
4. Track school and sector performance
5. Maintain student and school privacy
6. Canned reports

Example:
- US Dept of Education
- Multi state education and workforce analysis
Clearinghouse Enrollment and Credential System

5. Summary of utilization and benefits

- NSC System

Saves US Higher education over $300M /yr:
1. 3,350 Higher education/97% of enrollment
2. Over 700M transactions/yr
3. NO CHARGE TO SCHOOLS
4. Trusted network by all schools
5. Transparency
6. Driven by school and student behavior
7. Public policy data based discussions
8. Does not compromise student or school privacy
Can this system be implemented in another country?

- Yes, because it is a canned system, developed over 18 years
- Rough cost to implement $5MM in software and implementation. Connectivity with higher education is variable to the country.
- Benefits of student academic transparency:
  - Students: faster portability and transitions
  - Schools: easing administrative burdens related to student and institutional performance at NO cost.
  - Industry: Better background data on hires and employees (current education fraud rates are as high as 50%) Transparency will foster greater attraction of implementing country as a global industrial player for multi-nationals
  - Government: Better background on employees and better data driven public policy decision making
- A trusted system will help enable any country’s higher education growth goals by providing a clear way to measure and authenticate progress while providing all of the aforementioned benefits
- The system can be modified to meet the needs of a country’s Higher Education system as well as any Ministry of Education requirements
Clearinghouse Services

Electronic Transcript Exchange (ETX)
ETX example: University of Birmingham via ETX

- 3350 Schools
  - Usual schools
  - AAU
  - Ivy plus
  - 98% of US Enrollment
High level view of Strategic idea 2: U21 DegreeVerify
Web Access only to Degree/Diploma Databases

- Instant free verification of degree/diploma awards for schools
  - Students
  - Faculty
- Ability to streamline authentication process for student transfers outside of the network
- Ability to streamline authentication process for employment
  - NSC degree verification platform allows for surcharges to be charged by institutions for verifications (NSC verifies 2.5MM diplomas p.a.)
- No data leaves the schools database, it is web access ping only to the institutional system via a secure connection to an authorized requestor.
- All degree/diploma requestor records are kept on file and can be provided upon request by the student or institution
Thank you!

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