

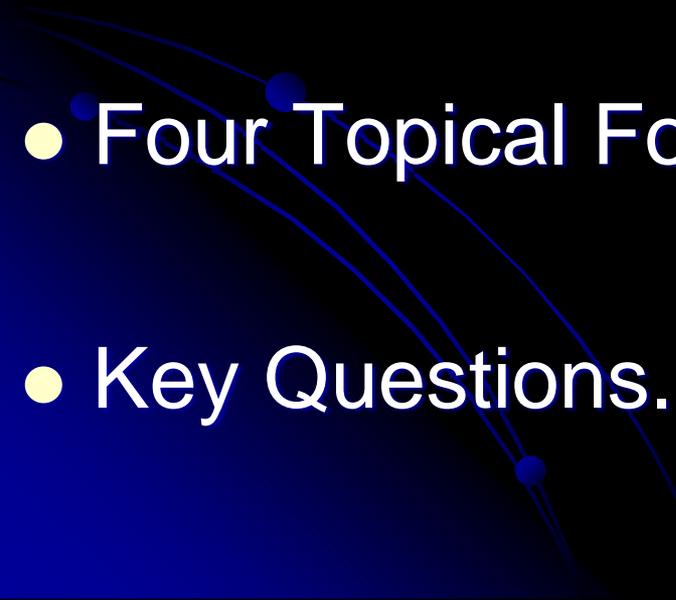
Illinois Longitudinal Data System

Some Assembly Required

- Mike Baumgartner, Executive Deputy Director
Illinois Board of Higher Education
- John Evans, Executive Director, Information Systems & IR
University of Illinois – Central Administration
- Marilyn Marshall, Director, Academic Programs & Services
University of Illinois – Central Administration
- Gerry McLaughlin, Associate Vice President Institutional
Planning & Research, DePaul University
- Scott Parke, Senior Director, Research & Planning
Illinois Community College Board
- Liz Sanders, Associate Vice President Enrollment & Marketing
Research DePaul University
- Larry Schilling, Director, Institutional Research
Southern Illinois University Carbondale & ISEG

Illinois Longitudinal Data System

Some Assembly Required

- Data Quality Campaign 10 Essential Elements.
 - Illinois Longitudinal Data System Legislation.
 - Four Topical Focus Areas for Input.
 - Key Questions.
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Data Quality Campaign

Top 10 List (Essential Elements)

- **Student-Level Graduation & Dropout Data** – Correctly distinguish between departing students who drop out or get a GED from students who transfer to another school (50).
- **Student-Level Enrollment Data** – Include enrollment, demographics, and program data (49).
- **Unique Statewide Student Identifier** – Connects student data across key databases across years (48).
- **Student-Level Test Data** – Measure academic growth by matching individual students' test records from year to year (48).
- **State Data Audit System** – Assess data quality, validity, and reliability (45).

Data Quality Campaign

Top 10 List (Essential Elements)

- **Information on Untested Students** – Untested students with reason(s) they were not tested (41).
- **Student-Level SAT/ACT & Advanced Placement Exam Data** – Student-level college readiness test scores (29).
- **Ability to Match Student-Level P-12 & Higher Education Data** (28).
- **Statewide Teacher Identifier with a Teacher-Student Match** – Attempt to understand the connections between teacher training and qualifications and student academic growth (21).
- **Student-Level Course Completion (Transcript) Data** – Include courses completed and grades earned (17).
- **<http://www.dataqualitycampaign.org/survey/elements>**

Illinois' Longitudinal Data System Legislation

- Public Act 096-0107 *96th General Assembly* (SB1828).
- July 20, 2009 -- Effective Date.
- <http://www.ilga.gov/legislation/publicacts/96/096-0107.htm>
- June 30, 2013 -- Full Functionality Promised -- Subject to availability of funding through appropriations made specifically for purposes of the Act.



Illinois' Longitudinal Data System Legislation

- (1) **Share Data**. Reduce data collection burden by using data submitted to the system for multiple reporting & analysis functions.
- (2) **Provide Student-level Data Access & Summary Reports**. Provide education officials with access to their own student-level data, summary reports, & data that can be integrated with additional data maintained outside of the system to inform education decision-making.
- (3) **Link Data to Instructional Management Tools** that support instruction & collaboration among teachers & postsecondary instructors.
- (4) **Enhance High School Feedback**. Enhance & expand existing high school-to-postsecondary reporting systems to inform school & school district officials, education policymakers, & the public about public school students' performance in postsecondary education.
- (5) **Productivity Reporting**. Provide data reporting, analysis, & planning tools that assist with financial oversight, human resource management, & other education support functions.



Illinois' Longitudinal Data System Legislation

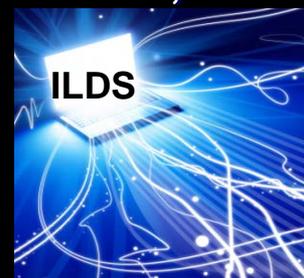
- (6) **Electronic Transcripts & FAFSA Components**. Link data to student college & career planning portals, facilitating the submission of electronic transcripts & scholarship & financial aid applications, & enabling the transfer of student records to schools & higher education institutions.
- (7) **Establish a Public Internet Site Reporting Down to School Level**. Provide non-confidential reports & permit queries so parents, media, & the public have access to information about state, district, & school performance.
- (8) **Provide Research & Reports to General Assembly** to help evaluate the effectiveness of specific programs & enable legislators to analyze educational performance within their legislative districts.
- (9) **Efficiency – Draw Reporting Data from Multiple State Systems**. Allow the State Education Authorities (ISBE, ICCB & IBHE) to efficiently meet reporting requirements by drawing data for required reports from multiple state data systems.



Illinois' Longitudinal Data System Legislation

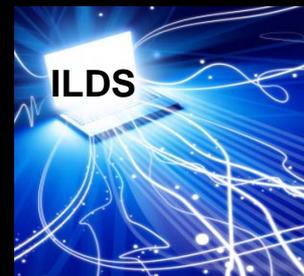
Establish Procedures & Systems to Evaluate Relationships

- 10) Evaluate Teacher & Administrator Preparation Programs using student academic growth as one component of evaluation outcomes & employment fields/employment locations/employment outcomes.
- (11) Conduct Need-based Financial Aid Analysis. Work with the Illinois Student Assistance Commission to evaluate the relationship between need-based financial aid & student enrollment & success in higher education.
- (12) Evaluate HHS Support Program Impacts. Work with health and human service agencies to evaluate the relationship between education & other student & family support systems.
- (13) Evaluate Employment Outcomes. Work with employment and workforce development agencies to evaluate the relationship between education programs & outcomes & employment fields, employment locations, & employment outcomes.



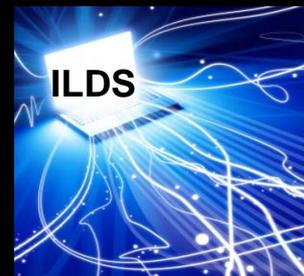
Participation by Illinois Non-public Higher Education Institutions

- **July 1, 2012 Non-public Start Up** –The Illinois Board of Higher Education (IBHE) is authorized to collect & maintain data from any non-public higher education institution enrolling 1+ students receiving Monetary Award Program grants beginning July 1, 2012.
- **Non-public Data Consortia** – IBHE may contract with one or more voluntary consortia of non-public higher education institutions to share data & conduct research/analysis.
- **Review Committee for Data Use** – A representative committee of participating institutions can evaluate the use of consortia data for a data sharing arrangement entered into with any party other than a State Education Authority (ISBE/ICCB/IBHE).
- **Contractual Opt Out Provisions** – Individual institutions can opt out of specific uses of their data or portions thereof for reasons specified in the contract.



Participation by Illinois Non-public Higher Education Institutions

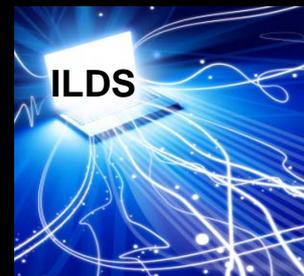
- **Institutions Retain Student-Level Data Ownership** – Institutional student-level data remains the property of that institution. Data must be used only for agreed-upon purposes, as stated in the terms of the contract between the consortia & IBHE.
- **Temporary Data Removal Possible** if there is a threat to the security of institution's data or its data is used in a manner that violates terms of the consortia/IBHE contract. Removed data must be returned to the consortium after the basis for removal has been corrected.
- **Consortia Data Submissions Instead of Submitting to IBHE Agreeable**
Non-public higher education institutions submitting student-level data to approved consortia are not required to submit student-level data to IBHE.



Illinois' Longitudinal Data System Legislation

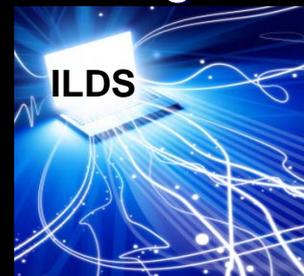
Additional Provisions

- Using data provided to and maintained by the longitudinal data system, the State Education Authorities (ISBE/ICCB/IBHE) may perform & undertake the following:
- **Research** for or on behalf of early learning programs, schools, school districts, or institutions of higher learning.
- **Audits or Evaluations** of federal or State-supported education programs & activities to enforce federal or State legal requirements with respect to those programs.
- **Convene stakeholders** & create opportunities for input & advice in the areas of data ownership, data use, research priorities, data management, confidentiality, data access, & reporting from the system.
- **Report to & advise** the Illinois P-20 Council on the implementation, operation, & expansion of the longitudinal data system.



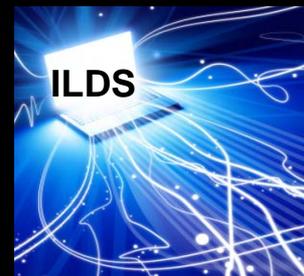
Foundation for Illinois' Longitudinal Data System

- ISBE Illinois Student Information System (ISIS) – Data about individual high school vocational and career students has been collected (Implemented 1998). All student data entry in ISIS possible. Replaced the Vocational Information Management System (VIMS) and Performance Management Information System (PMIS - Perkins II).
- ISBE Student Information System (SIS) – Individual unit record data for all students in Illinois public P-12 education (Centralized 2006).
- Illinois Community College System MIS – Data about community college student enrollment, graduation and performance (Centralized 1970s).
- ICCB collaborates with education and workforce partners via administrative data matching arrangements to track educational progress, outcomes, and employment to fulfill state and federal reporting requirements.
- Illinois Shared Enrollment and Graduation Files (ISEG) Consortium – Contains public community college and public university individual student record data (Implemented December 1991).
- More recently, Bradley University, DePaul University, & Blackburn College (FY2007) participated in the ISEG Consortium.
- <http://www.iccb.org/pdf/agendas/2009/agenbkjune09.pdf>



Foundation for Illinois' Longitudinal Data System Illinois Teacher Data Warehouse

- Data Provided by Postsecondary Institutions
 - Annual Data: contains demographic and term enrollment information (one record per student).
 - Program Data: contains program and educational objectives for students (can have multiple records per student).
- Data Provided by ISBE
 - TSR (Teacher Service Record): contains public school employment data.
 - TCIS (Teacher Certification Information System): contains Illinois certification information.



Topical Focus Areas

- Student Achievement – academic participation, progress, outcomes . . . admission, retention, transfer, completion, etc.
- Workforce Preparation – retraining, skills upgrading, placement in employment, employment retention, earnings, high skills\high wage\high demand, LMI, etc.
- Public Policy – public health, medical, teacher education, administrator preparation, students with disabilities, dual credit, etc.
- Other – P-12 data, out-of-state data, etc.



Key Questions

- What are the most important questions or research topics that need to be addressed?
- What types of data and data elements are needed to address these questions\topics?
- Identify populations or groups for targeted analysis?
- What external sources of data should be explored (In addition to institutional and ISEG data)?
- What summary reports and drill down queries will be needed?



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