NC Common Education Data Analysis and Reporting System (CEDARS)

NC's PreK-13 (P-13)
State Longitudinal Data System (SLDS)

Overview May 17, 2010

Overview

CEDARS objectives

CEDARS components, plan

CEDARS communications

www.ncpublicschools.org/cedars

CEDARS Objectives

Provide infrastructure to enable State, local, and federal policy makers and service providers to make data-driven decisions based on analysis of trends and relationships...

- across different types of data
- over time

CEDARS Objectives

Increase the quality and accessibility of PreK- grade 13 (P-13) educational data:

- student & teacher demographic
- > course, assessment
- program
- > financial

CEDARS Components

State Longitudinal Data System (SLDS):

- A statewide unique ID (UID) system for students and staff that enables linking of different types of data across collections and over time
- A longitudinal data store (LDS), along with analytical tools and reports, that enables analysis of trends and relationships

CEDARS Components

State Longitudinal Data System (SLDS):

 A data governance mechanism that ensures enterprise-wide coordination (including master data management) of data collection, management, and use

CEDARS Components

Unique ID System (UID)

Ensures that relevant source systems have properly matched students and staff with unique IDs

Source Systems



Financial systems



Teacher licensure (LIC/SAL)

Program information (CECAS, Title I, etc.)



Student information (NCWISE)



Teachers



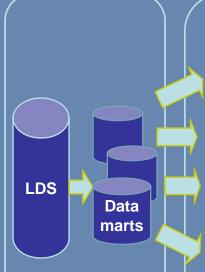
Testing Data (Assessment)

Data Transfer



- Matches based on UID
- Checks to ensure quality

Data Repositories



- Stores data over time
- Organized into domains based on type of data

Data Access

Standard reports



ABC

Query tools

Federal submissions (e.g. EDEN)



Other access, (e.g. online portal)

- Common location for data access ('info library')
- Different views based on type of user
- "Data Dictionary"



CEDARS: 6 Key Technology Deliverables

Deliverable

How addressed

Unique Student Identifier

Unique Staff Identifier

- Enable reliable matching of student level records over time and across DPI applications
- Enable reliable matching of staff level records over time and across DPI applications

UID System rolled out Statewide:

- All LEAs & Charters trained
- All students and staff assigned UIDs

Longitudinal Data Store (LDS)

Analysis & Reporting Tools

EDEN / EDFacts Reporting

Transcript Service

- Provide robust, secure warehouse of high quality P-13 longitudinal data
- Provide user-friendly access and tools to enable longitudinal analysis and reporting
- Automate required annual Federal reporting

 Streamline and automate exchange of student transcripts among schools and with higher ed Data Warehouse and Reporting tools in development (target completion by October 2010)

Middleware (for passing data between sources data systems and to warehouse) operational

Considering options for upgrading current system by summer 2011

CEDARS: Project Structure

LEA Advisory

- Various LEA contacts
- Existing User Advisory Boards from NCWISE, other existing applications

External Advisory

- Higher education
- Researchers
- Representatives from other state agencies
- LEAs

Steering Committee

Bill Harrison Peter Asmar June Atkinson Angela Quick Rebecca Garland Philip Price Adam Levinson

Project Leadership

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CEDARS: Data Governance

www.ncpublicschools.org/data/management

CEDARS Communications

CEDARS Webpage:

www.ncpublicschools.org/cedars

CEDARS Communications

Questions about UID or CEDARS in general?

Please contact us at: cedars-info@dpi.state.nc.us