



Public Schools of North Carolina

# **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](http://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):

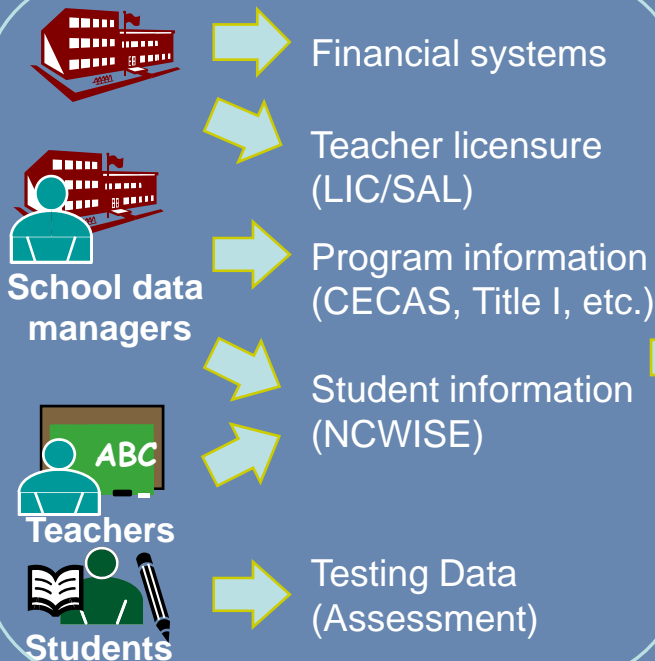
- A **data governance** mechanism that ensures enterprise-wide coordination (including master data management) of data collection, management, and use

# CEDARS Components

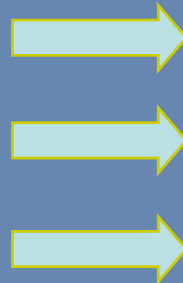
## Unique ID System (UID)

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

### Source Systems

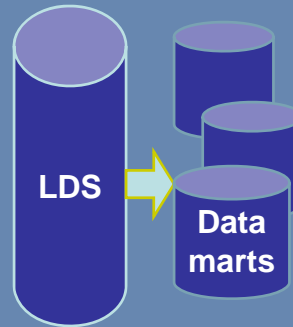


## Data Transfer



- 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



LEAs, schools

Query tools

Federal submissions (e.g. EDEN)



State, federal

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
<b>Unique Student Identifier</b>	<ul style="list-style-type: none"> <li>• Enable reliable matching of student level records over time and across DPI applications</li> </ul>	<b>UID System rolled out Statewide:</b> <ul style="list-style-type: none"> <li>• All LEAs &amp; Charters trained</li> <li>• All students and staff assigned UIDs</li> </ul>
<b>Unique Staff Identifier</b>	<ul style="list-style-type: none"> <li>• Enable reliable matching of staff level records over time and across DPI applications</li> </ul>	
<b>Longitudinal Data Store (LDS)</b>	<ul style="list-style-type: none"> <li>• Provide robust, secure warehouse of high quality P-13 longitudinal data</li> </ul>	<b>Data Warehouse and Reporting tools in development (target completion by October 2010)</b>  <b>Middleware (for passing data between sources data systems and to warehouse) operational</b>
<b>Analysis &amp; Reporting Tools</b>	<ul style="list-style-type: none"> <li>• Provide user-friendly access and tools to enable longitudinal analysis and reporting</li> </ul>	
<b>EDEN / EDFacts Reporting</b>	<ul style="list-style-type: none"> <li>• Automate required annual Federal reporting</li> </ul>	
<b>Transcript Service</b>	<ul style="list-style-type: none"> <li>• Streamline and automate exchange of student transcripts among schools and with higher ed</li> </ul>	<b>Considering options for upgrading current system by summer 2011</b>





# CEDARS: Project Structure



# CEDARS: Data Governance

[www.ncpublicschools.org/data/management](http://www.ncpublicschools.org/data/management)



# CEDARS Communications

CEDARS Webpage:

[www.ncpublicschools.org/cedars](http://www.ncpublicschools.org/cedars)



# CEDARS Communications

Questions about UID or CEDARS in general?

**Please contact us at:**  
**[cedars-info@dpi.state.nc.us](mailto:cedars-info@dpi.state.nc.us)**

