



Public Schools of North Carolina

NC Common Education Data Analysis and Reporting System (CEDARS)

FBS Conference
July 30, 2009

Overview

CEDARS objectives, components, plan

Spotlight on UID

UID Pilot & Statewide Rollout

Questions/Next Steps



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CEDARS Objectives

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

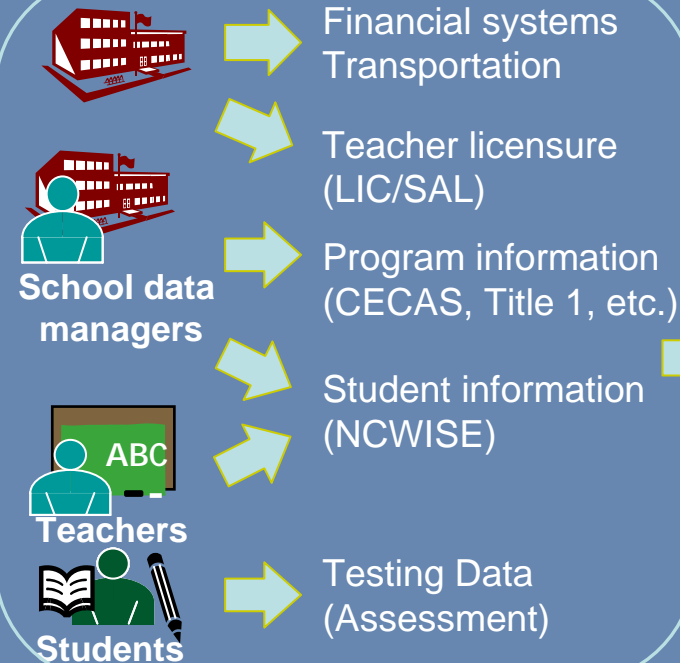


CEDARS Components

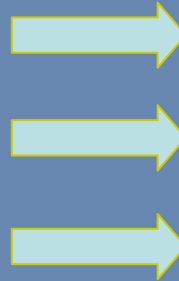
Unique ID System (UID)

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

Source Systems

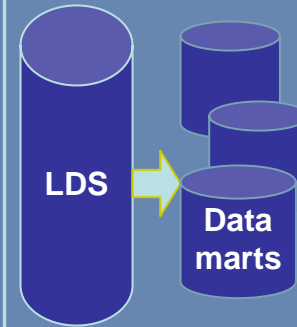


Data Transfer



- 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

Automated submission
e.g. EDEN



State, federal

Other access,
e.g. online portal

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

CEDARS: Meeting User Needs

User	Information needs	CEDARS Approach
DPI	<ul style="list-style-type: none">• Ensure compliance• Identify those who need support• Inform policy and program initiatives	<ul style="list-style-type: none">• Direct access to CEDARS<ul style="list-style-type: none">– Established reports– Ad-hoc queries/data extracts
Federal	<ul style="list-style-type: none">• Receive mandated information	<ul style="list-style-type: none">• Federal submission via EDEN
LEA central offices and principals	<ul style="list-style-type: none">• Ensure data accuracy• Review and compare performance and reports for their districts / schools	<ul style="list-style-type: none">• Direct access to CEDARS, but filtered for specific LEA or school
Researchers, higher ed, other State agencies	<ul style="list-style-type: none">• Analyze educational trends	<ul style="list-style-type: none">• Mediated data extracts<ul style="list-style-type: none">– Requests filtered through review process– Ensure appropriate user and usage
Teachers	<ul style="list-style-type: none">• Review performance of students• Compare performance to standards	<p>Current data on specific students will <u>NOT</u> be provided by CEDARS</p> <p>NC WISE will provide current year ad-hoc reporting capabilities for LEAs</p>
Students and parents	<ul style="list-style-type: none">• Understand performance of an individual student	



CEDARS: Data Sources

DPI Data System/Source

SNA	Homeless	Dropout
NCWISE	Immigrant	DBS Internal and External
LIC / SAL	LEP	AMTR
CECAS	Neglected and Delinquent	More at Four
Accountability	SES / Choice	PPAR
MIS2000	Title I / TAS	PMR Data
CTE	USDDC	MFR/AFR
Child Nutrition / FRL		

“Data/metadata dictionary” will provide clear definitions of all data elements in the repository



CEDARS Reporting

Priority reports

EDEN/EdFacts submission

Consolidated State Performance Report (CSPR)

ABCs of Public Education and Adequate Yearly Progress (AYP) reports

State Performance Plan/Annual Performance Report (SPP/APR)

Migrant Student Information Exchange (MSIX)

State Plan for Highly Qualified Teachers (HQT)

School Report Cards (SRC)

Report on Dropout Events and Rates

Report on School Crime and Violence

Study of Suspensions and Expulsions

Legislative More at Four (MAF) report

CEDARS will provide capability, training for re how to build/modify reports

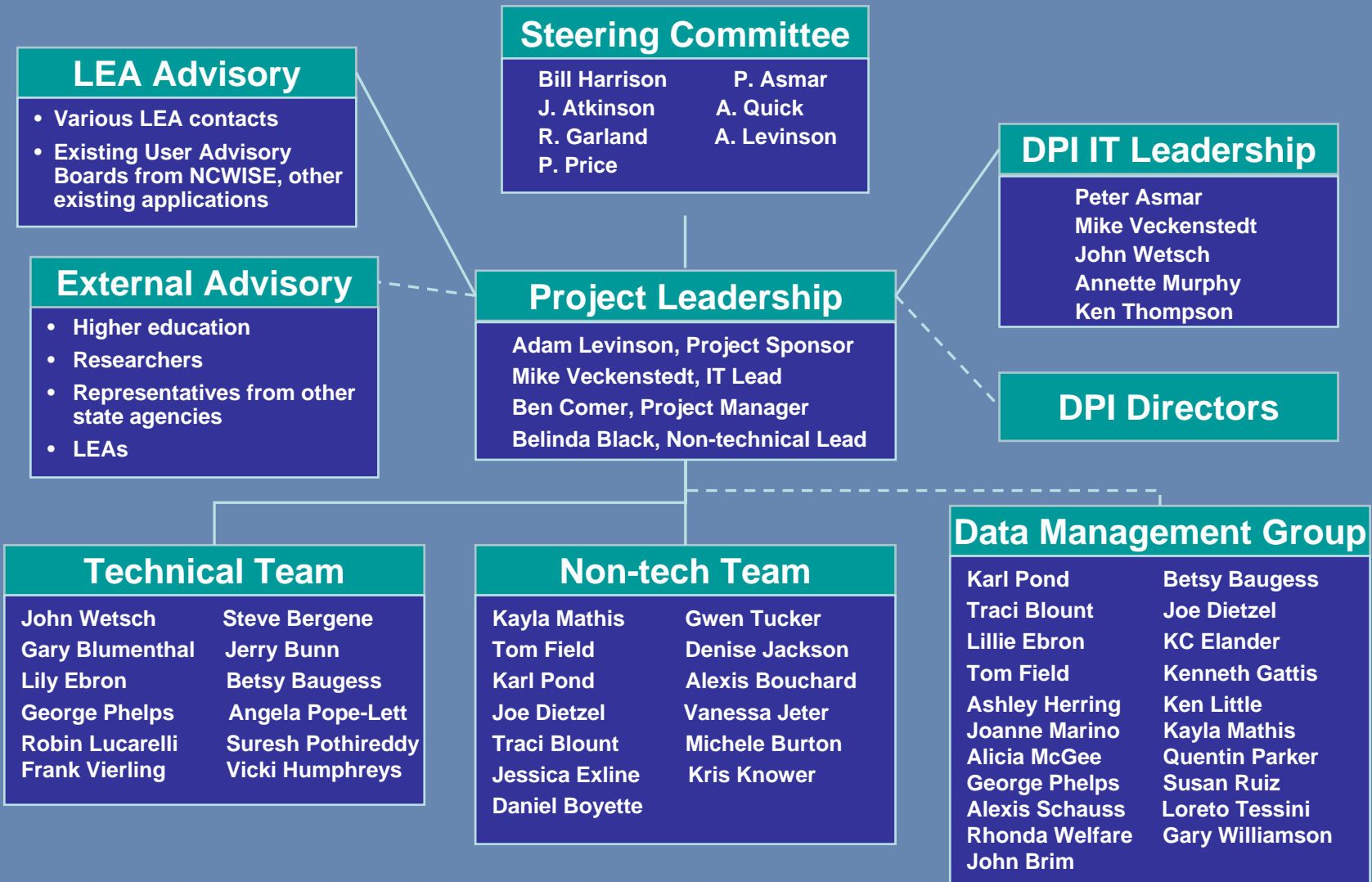


CEDARS: 6 Key Deliverables

	Deliverable	How addressed
Unique Student Identifier	<ul style="list-style-type: none"> Reliably match student level records over time and across DPI applications 	<ul style="list-style-type: none"> Deloitte / eScholar UID solution (on-track for completion 8/09)
Unique Staff Identifier	<ul style="list-style-type: none"> Reliably match staff level records over time and across DPI applications 	
Longitudinal Data Store (LDS)	<ul style="list-style-type: none"> Provide robust, secure warehouse of high quality P-13 longitudinal data 	<ul style="list-style-type: none"> Data Warehouse and Reporting (DWR) RFP - 8 bidders being evaluated (target completion 7/2010) Oracle Service Oriented Architecture (“Enterprise Services”); installed 12/09
Analysis & Reporting Tools	<ul style="list-style-type: none"> Provide user-friendly access and tools to enable longitudinal analysis and reporting 	
EDEN / EDFacts Reporting	<ul style="list-style-type: none"> Automate required annual Federal reporting 	
Transcript Service	<ul style="list-style-type: none"> Streamline and automate exchange of student transcripts among schools and with higher ed 	<ul style="list-style-type: none"> Proposal: Link to a <u>national</u> transcript exchange by 7/2010



CEDARS: Project Structure



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Goals of UID System

1. All students assigned an NCWISE UID at the first point of contact with the public education system

PreK - 13 • NCWISE

PreK {
• CECAS
• MIS2000
• LEP
• More at Four



Goals of UID System

2. All staff will be assigned a unique statewide ID

Note: new **Staff** file (provided by LEA/Charter payroll vendors) serves as source



eScholar Uniq-ID

Step:

1. Basic demographic information sent to Uniq-ID server via web interface or batch upload
2. System uses multiple matching techniques to determine if NCWISE or Staff UID already exists
3. System provides an NCWISE UID via file or web
 - If match, system will return existing UID
 - If no match, system can assign a UID or leave blank
 - If near match, system will initiate near-match resolution process



Human intervention!



Match Resolution

Nebraska Department of
EDUCATION



**Nebraska Student
and Staff Record System**

• 301 Centennial Mall South • Lincoln, Nebraska • 68509 •

Compare Student Information

Current Login: 0000supr Location: 0009-Allentown School District

State ID Home

Student Record being reviewed.

First Name:	AANYAE	Middle Name:		Last Name:	ABDULHAQI	Suffix:	
District:	0009aaaaAllentown School District	School:	0102aaaaFranklin Roosevelt Elementary School				
Gender:	MALE	Date Of Birth:	08/26/1981	Ethnicity:	WHITE, NOT OF HISPANIC ORIGIN	Sch. Yr:	2006
Res District:	0009	SSN:	Not Present	Local Student ID:	213888282132	Grade:	07
Created:	04/01/2008	Last Updated:	04/01/2008	Serial#:	10129	State ID:	
Comments:	4725584991;						

Near Match / Duplicate Student [State ID: 472-558-4991 - 88.0] [Add Note](#)

First Name:	AANYAE	Middle Name:		Last Name:	ABDULHAQQ	Suffix:	
District:	0009aaaaAllentown School District	School:	0102aaaaFranklin Roosevelt Elementary School				
Gender:	MALE	Date Of Birth:	08/26/1980	Ethnicity:	WHITE, NOT OF HISPANIC ORIGIN	Sch. Yr:	2006
Res District:	0009	SSN:	Not Present	Local Student ID:	213888282132	Grade:	07
Created:	03/28/2008	Last Updated:	03/28/2008	Serial#:	10114	State ID:	4725584991
Matching Note:							

Return to List of Near Matches



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UID Pilot: At-a-Glance

- July 14 – 28, 2009
- 10 LEAs, 2 Charters, More at Four
- Varying sizes, geographic regions, technology capabilities, and business processes
- Using all source systems



UID Pilot: LEA/Charter Activities

- Established contacts for student & staff
- Participated in training webinars and follow up conference calls
- Reviewed and resolved near-matches for students & staff
- Provided feedback to the DPI project team
- Will now act as a resource for other LEAs during statewide rollout



Statewide Rollout

- **Time Line: August 2009**
 - All LEAs/Charters* notified of training dates
 - Webinars & Follow-up Calls scheduled
- **Key Activities for LEAs/Charters**
 - Registration, Training, Follow-up (as needed)
 - Resolving near matches!!
 - Making changes to source data
 - Plan for “Cascading” the training (to schools?)
 - Providing **feedback** to DPI!



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Questions/Next Steps

CEDARS Webpage:

www.ncpublicschools.org/cedars

or

www.dpi.state.nc.us/cedars



Questions/Next Steps

Questions about UID or CEDARS in general?

Please contact us at:

cedars-info@dpi.state.nc.us

