



Implementing California's K-12 Education Data System

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Session Overview

- California's "Non-Data System"
- The System:
CALPADS and CALTIDES
- Data Linkages, Data Access,
Research Potentials
- What Can You Expect By When?



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Current CDE Data “System”

- Numerous aggregate collections
- Redundant reporting
- Aggregate data may not be of high quality
- No longitudinal capacity
- Non-responsive to changing reporting requirements



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How Can We “fix” the System?

- Collect student-level and teacher-level data once
- Maintain the data in a longitudinal database
- Allow LEAs to update data
- Extract reports as needed



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This “fix” authorized in Senate Bill 1453

- SB 1453 authorizes the implementation of such a longitudinal database:

**California Longitudinal Pupil
Achievement Data System
(CALPADS)**



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And Senate Bill 1614

- SB 1614 authorizes a companion longitudinal database for teacher data:

**California Teacher Integrated
Data Education System
(CALTIDES)**



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A National Direction

The National Data Quality Campaign identifies 10 essential elements critical to a longitudinal data system:

1. Statewide Student Identifier
2. Student-level enrollment, demographic and program participation data



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A National Direction

3. Longitudinal student assessment records
4. Information on untested students
5. Student level graduation and dropout data
6. Teacher ID system matching teachers to students



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7. Course completion and grades
8. Student level college readiness test scores
9. Ability to match student records
10. State data audit system



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Where Are We Now?

- CDE and the California School Information Services (CSIS) are working together to:
 - Build an Education Data System for California – with CALPADS as the foundation
 - Support LEAs to collect, submit and use high-quality data



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Who is CSIS?

CSIS is administered out of the Kern County Office of Education. CSIS:

- Supports assignment and maintenance of the Statewide Student Identifier (SSID)
- Assists with electronic state reporting
- Enables electronic records transfer
- Builds local capacity



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CALPADS

Authorized by SB 1453:

- Requires all LEAs (including charter schools) to acquire and maintain a Statewide Student Identifier (SSID) for each student
- Requires the creation of a longitudinal student data system that includes demographic, program participation, and assessment data



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CALPADS

Statutory Goals:

- Provide LEAs and the CDE access to data necessary to comply with federal NCLB reporting requirements:
 - Pupil achievement data from all statewide assessments
 - Student demographic data
 - Program participation data
 - Highly qualified teacher data



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CALPADS

Statutory Goals:

- Provide a better means of evaluating educational progress and investments over time
- Provide LEAs information that can be used to improve pupil achievement



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CALPADS

Statutory Goals:

- Provide an efficient, flexible, and secure means of maintaining longitudinal statewide pupil level data



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CALTIDES

Authorized by SB 1614:

- Requires CDE and the California Commission on Teacher Credentialing (CCTC) to implement a longitudinal teacher data system using data from existing databases
- Authorizes CCTC to assign statewide teacher identifiers



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CALTIDES

Statutory Goals:

- Provide data to evaluate:
 - Investments in teacher programs
 - Teacher workforce issues
- Streamline and enhance assignment monitoring, including Williams and NCLB monitoring



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How CALPADS/CALTIDES Will “Work”

- LEAs submit demographic, program participation, course, and staff data at least once a year to CALPADS
- LEAs able to update CALPADS on an ongoing basis
- Test vendors submit test data to CALPADS
- Data linked longitudinally by SSID¹⁸



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How CALPADS/CALTIDES Will “Work”

- CCTC assigns and maintains Statewide Teacher ID
- Credential information loaded into CALTIDES from CCTC
- Salary data loaded into CALTIDES from the Employment Development



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How CALPADS/CALTIDES Will “Work”

- CALPADS maintains longitudinal student data, and teacher assignment data; CALTIDES maintains all other longitudinal teacher data
- CALTIDES data linked to course assignment in CALPADS using Statewide Teacher ID to allow for assignment monitoring



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How CALPADS/CALTIDES Will “Work”

- Both systems provide data to researchers and back to LEAs per state and federal privacy laws
- Both systems support state and federal reporting requirements



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CALPADS/CALTIDES

Provides LEAs:

- Immediate provision of basic student information
- Ability to monitor teacher assignments on demand
- A central source for highly qualified teacher data
- Access to longitudinal data



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CALPADS/CALTIDES

Provides LEAs:

- Reduction in aggregate reporting to CDE and teacher data submissions to county offices of education
- Reduction in student level data supplied to test vendors
- Ability to update data on an ongoing basis



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CALPADS/CALTIDES Provides the State:

- A streamlined data collection and reporting system
- Rich data to aid evaluation, research, resource allocation, and decision making
- Capacity to produce new statewide reports and respond to requests for other reports



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CALPADS/CALTIDES Provides the State:

- More accurate drop out and graduation rates
- Longitudinal data for accountability
- More efficient, timely, and effective assignment monitoring required under state and federal law, and the Williams lawsuit settlement



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CALPADS

Implementation Schedule:

RFP Complete: Fall 2006

Vendor Selected: Summer 2007

System Complete: End of 2008

System Rollout: 2009-10



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CALTIDES

Implementation Schedule:

RFP Complete: Summer 2007

Vendor Selected: Summer 2008

System Complete: End of 2009

System Rollout: 2010-11



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Preparing for CALPADS

- Assign Statewide Student Identifiers (SSIDs) – virtually all have been assigned
- Maintain SSIDs – Annual SSID Maintenance Submission
- Build local capacity



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Fall 2006 Annual SSID Maintenance

This submission will:

- Provide official enrollment counts for funding
- Provide the baseline for official statewide dropout and graduation rates



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Annual SSID Maintenance Required Student Fields

First Name
Last Name
Local ID
SSID
Gender
Birth Date
Grade Level

Primary Language
Primary Ethnicity
English Proficiency
Enrollment Date
Parent Ed. Level
Special Program
Participation



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Which Students Are Included?

- All students enrolled on the CDE census date – first Wednesday in October
- All exited students **since previous** census date, include a reason why the student exited (withdrawal code)



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When will we have more accurate dropout rates?

- In order to calculate an accurate statewide dropout rate we need baseline data from 100% of LEAs
- In 2005 we did not receive 100% participation



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When will we have more accurate dropout rates?

- If 100% of LEAs (including charter schools) submit the Annual SSID Maintenance this fall we will be able to calculate a one-year rate from fall 2006 to fall 2007



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Data Linkages

- Linkages to other CDE student-level databases – special education, migrant
- Linkages to other state databases – food stamps, Medi-Cal.
- Populating postsecondary institutions with the SSID through the postsecondary application



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Data Access

Per state and federal law (FERPA):

- Educational researchers from “established research organizations”
- Evaluators of public school programs
- Local educational agencies conducting evaluations of programs

are eligible to receive data for research to meet a “legitimate educational interest”



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Data Access

“Draft” process:

- The CDE will establish/maintain a list of eligible research organizations
- Researchers will be required to submit an application for data that includes a description of the proposed research
- CDE will review research applications for “legitimate educational interest”



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Data Access

- CDE approves/denies application
- Denied applicants may appeal
- CALPADS will track requests as required by FERPA



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Data Access

- FERPA challenges



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Research Potentials

- Longitudinal pupil data:
demographic, program participation, course completion, grades(?), enrollment
- Longitudinal teacher data:
demographic, certification, course assignment



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Research Potentials

- Current reports will be produced—
e.g. DataQuest reports
- What other reports should be
produced? Suggestions?



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Research Challenges

- FERPA issues
- Prohibition of use of social security number
- Data collection limitations
- Non-alignment of state academic standards



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What to Expect 2006-07 Changes:

- CDE uses the Annual SSID Maintenance for official enrollment counts
- LEAs have access to limited data on new students
- LEAs can identify whether “dropouts” have enrolled in another California public LEA



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What to Expect 2007-08 Changes:

- The value of the “data transfer” function increases
- Continued use of the system to target dropout prevention efforts
- LEAs update CDE’s “School Database” electronically
- CCTC begins assigning statewide teacher ID



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What to Expect 2008-10 Changes:

- All LEAs are submitting data to CALPADS
- Selected current collections discontinued
- Reduced Pre-ID data collection
- Increased amount of readily available data



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What to Expect 2010 and beyond:

- **CALTIDES** assignment monitoring functionality kicks in; COEs receive reports on potential missassignments; LEAs can check missassignment status
- Additional collections are analyzed for transition to **CALPADS** resulting in the discontinuation of other data collections



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Where to Get More Information from CDE

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