The Connecticut State Department of Education

Building Longitudinal Data Systems to Improve Instruction

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Connecticut State Department of Education
State Assigned Student Identifier (SASID)

- Introduced to the Public School Information System (PSIS) in October 2005
- 10 Digit Unique SASID for Every Public School Student in Connecticut

Goals:
- To accurately identify which LEA is accountable for a student
- To track student movement through the state’s public school system
- To provide the foundation for a longitudinal data system
State Assigned Student Identifier (SASID)

- **District Accountability**
  - Districts responsible for the accuracy of their data
  - One record for each student enrolled in a CT public school

- **Improved Data Collection Processes**
  - Demographic data will be collected once
  - Demographic data will be shared with other SDE mandated collections in an effort to ease the data burden on LEA
  - A student will be reported by only one district for any given data collection
State Assigned Student Identifier (SASID)

- **New Analyses and Database Functionality**
  - Ability to link multiple databases to answer research questions
  - Ability to track each student and assess academic growth
  - The development of a platform to integrate formative assessments, curriculum and student work

- **Enhanced Data Dissemination Functionality**
  - Facilitate data-driven support at agency, LEA and/or student/parent levels
  - Query tools accessing de-identified, research data from multiple datasets
Longitudinal Data System

Data Dictionary
- Library of data elements collected by the Department
- Provides consistent definitions for all users of data contained within the warehouse
- Highest priority – dictionary is sole reference for all data collected by the agency

Security/Permissions
- Establishes an enterprise directory that identifies all potential users
- Manages what information a user can access
- Safeguards sensitive student data
Longitudinal Data System

Data Warehouse

- Development of RFP detailing warehouse specifications
- RFP the Building of the Warehouse
- Warehouse will initially be of limited scope:
  - Student and demographic data
  - Assessment data for NCLB analysis
  - Directory information
  - Released assessment items
  - Curriculum frameworks
Longitudinal Data System

How will a longitudinal data system improve instruction in Connecticut's public schools?

• Disaggregated data improving instruction
• Aggregated data and research driving policy decisions
The Answer for the Stakeholders

Graduated: Yes

Dominant Home Language = English
Proficient in English
Not Special Education
White
Eligible Free/Reduced Lunch

DRP Scores:
K = 40
Grade 1 = 50
Grade 2 = 55

SAT Performance:
Verbal: 660
Math: 600

Disaggregated Data Improving Instruction
Aggregated Data and Research Driving Policy Decisions

<table>
<thead>
<tr>
<th>Grade</th>
<th>Read</th>
<th>Math</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gr 6</td>
<td>BB</td>
<td>Basic</td>
</tr>
<tr>
<td>Gr 7</td>
<td>Basic</td>
<td>Prof</td>
</tr>
<tr>
<td>Gr 8</td>
<td>Prof</td>
<td>Prof</td>
</tr>
</tbody>
</table>

Suspension Record: None

CAPT Performance
Reading: Proficient
Math: Goal
Science: Goal

SAT Performance:
Verbal: 660
Math: 600

CMT | Read | Math |
---|------|------|
Gr 3 | Basic| Basic|
Gr 4 | Basic| Prof |
Gr 5 | Basic| Prof |

Teacher
Administrator
Parent
Student
Local Board
Policy Maker
State DOE
Researcher