



Virginia's Longitudinal Data System

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Lan Neugent

Assistant Superintendent for Technology and Adult Education

Bethann Canada

Director of Educational Information Management

Virginia Department of Education



Overview

- **Built to meet 2001 Elementary and Secondary Education Act (ESEA) Requirements**
- **Unique Student Identifier**
- **Data Warehouse – Decision Support Tools for Schools**
- **State-funded Base System**
- **Federal Grants (2007 and 2010) Funding Expansion and State Fiscal Stabilization Fund (SFSF) Reporting Requirements**



Accomplishments

- **Unique Identifier for All Students**
- **True Longitudinal Graduation and Dropout Rates**
- **ESEA Requirements Met**
- **11 Years of Student-level State Assessment Data**
(Available Sunday as of scoring the previous Thursday)
- **Student-level College Readiness, Graduation, Literacy Screening, and Postsecondary Enrollment Data**
- **Schools Interoperability Framework in 122 School Divisions**
- **Over 30 Divisions Using Electronic Transcripts**
- **Investing in Data Quality Program**



Research and Evaluation Activities

- **Individual Student Growth Percentiles**
- **Study of Dropouts and Graduates**
- **Postsecondary Enrollment and Persistence**
- **First-year Postsecondary Outcomes**
- **Indicators of Risk for Dropping Out**



Longitudinal Reporting*

- **Growth** – Is this student growing as fast than as typical students with the same prior achievement?
- **Early Warning** – Which students are at the greatest risk and need the most urgent personal attention?
- **Diagnostic** – Have students mastered the knowledge and skills needed to be prepared for what they are going to be taught next?
- **Predictive** – What percentage of students are on track for college and career readiness?
- **Feedback** – How many students in my high school went on to do well in postsecondary or the workforce?



2010 LDS Grant

Builds on Base System - Meets SFSF Reporting Requirements

- **Develop electronic transcript capability in Higher Education**
- **Build and contribute to a multi-agency federated longitudinal data system**
- **Develop the ability to match teachers to their preparation programs**
- **Provide data systems grants to school divisions**
- **Develop a model for student growth**
- **Develop cross-agency data policy**
- **Develop a web portal for public access to data**



Proposed Outcomes

Create an integrated K-12 student-teacher information system

- **Link students to teachers – course enrollment and completion**
- **Enhance growth model**
- **Enhance the Teacher Licensure system**
- **Conduct a needs-based competitive grants program for school divisions**



Proposed Outcomes

Create a longitudinal data linking and reporting system

- **A federated data system**
- **Includes DOE, SCHEV, and VEC**
- **Extensible to include other agencies**



Proposed Outcomes

Develop a web-based portal to access the data

- Public and non-public access
- Custom data tools for ad-hoc reports
- Data in tables, charts, and graphs
- Maps – GIS data
- “Apps for Virginia” Program – develop data tools and make them widely available



Proposed Outcomes

Establish a Cross-agency Data Governance Program

- **Develop a cross-agency lexicon of data language**
- **Develop policies, practices, and standards for data exchange**
- **Establish a quality control program**
- **Establish protocols for data access**
- **Establish rules for system security**



Proposed Outcomes

Develop a mechanism for post-secondary institutions to receive high school transcripts in the form of data

- **Builds on the current LDS grant**
- **All 23 community colleges**
- **GMU, JMU, and Norfolk State**

Questions?

Lan Neugent lan.neugent@doe.virginia.gov

(804) 225-2757

Bethann Canada bethann.canada@doe.virginia.gov

(804) 225-2951