



Kansas Education Data System

November 16, 2022

Background





Background

- State Longitudinal Data System (SLDS)
 - Began in 2006 with an Institute of Education Sciences (IES) federal grant
 - Kansas Individual Data on Students (KIDS) Collection System
 - Many systems/applications use KIDS data
 - Current state of SLDS
 - SLDS Inefficiencies





Background

- Modernization Collaboration
 - Teacher's College of Columbia cost study
 - Personnel Exchange Network with Wisconsin, South Carolina and Montana
 - Extensive research of what other state education agencies (SEA's) are doing
 - Federal partner conversations
 - District staff conversations





Background

- 2019 Institute of Education Sciences (IES) State Longitudinal Data System (SLDS) Grant Opportunity
 - Purpose of grant
 - KSDE application— 5 overarching goals
 - Deployment of a Statewide Student Information Data Collection and Reporting System
 - Implementation of Common Education Data Standards (CEDS)
 - Data Quality Certification Program Augmentation
 - Improve P20W Data Sharing Capabilities
 - Customizations/Dashboards



Project Purpose





Project Purpose/Benefits

- Data element and collection standardization and modernization
- Automation of data processes
- A flexible, one true source for data
- Adhering to data standards will allow for easier and faster data exchange and understanding of SLDS data
- Provide tools to access reports in near-real-time to give districts and educators the potential to impact an existing program and its continuous improvement
- Increase the usability of the SLDS data to ensure it is used to inform decision making and instruction and student outcomes.



Project Costs/Savings



Estimated Costs

- Contractual: \$4M
 - Federal IES grant covers \$3.3M
- Internal Cost (salaries): \$1.3M

Estimated Cost Benefit

- **Quantitative Savings SFY2024– SFY2027 = \$23M**
 - Based upon cost benefit analysis study with the Teacher's College of Columbia
 - District and state savings is in time and resources allocated for the purpose of state and federal reporting requirements
- **Net Cost Benefit SFY2024– SFY2027 = \$18M**



Key Milestones/Timelines





Milestones/Timeline

- Fall 2020: Advisory group made up of superintendents and technology staff was convened to assist KSDE in constructing Request for Proposal (RFP)
- KSDE collaborates with other state education agencies and federal partners – Ongoing
- Spring 2021: Request for information (RFI) published to collect additional information
- Summer – Fall 2021: Draft and Publish RFP Information gathered utilized to draft final version of RFP – Summer 2021
- Winter 2022: Review RFP proposals





Milestones/Timeline - continued

- February 2022 – June 2022: award vendor and contract in-place
- July 2022– present:
 - Requirements gathering
 - Inventory of existing data systems
 - Data systems mapping discovery
 - Acceptance criteria
 - Functional design
 - Architecture and diagram
 - Data warehouse architecture





Milestones/Timeline - continued

- Fall/Winter 2022/2023:
 - Detailed project plan
 - District onboarding plan
 - Risk and issue management plan
 - Communication plan
 - Student information system (vendors) onboarding plan





Milestones/Timeline - continued

- Winter/Spring 2023:
 - Deploy Ed-Fi ODS and API
 - Map data elements to Ed-Fi standards
 - Integration of KIDS data
 - Common Education Data Standards (CEDS) implementation
 - Map data elements to CEDS standards
 - District/Vendor integration methodology determined
 - Each SIS
 - Pilot districts
 - Acceptance walkthrough with vendors/districts





Milestones/Timeline - continued

- Spring/Summer 2023
 - Successfully integrate with SIS vendors
 - Deploy CEDS data warehouse
 - Unit testing and testing with pilot districts
 - Successful student identity matching and linking
 - Historical migration of data
 - Comprehensive training plan, materials and curriculum
 - Complete end-user documentation
 - End-user support plan
 - Technical support plan
 - Security and data privacy policy/plan
 - Disaster Recovery plan complete
 - Load balancing





Milestones/Timeline - continued

- 2023-2024 School Year:
 - Onboard all districts/run KIDS Collection parallel
 - Comprehensive Training
 - Ongoing integration testing and user acceptance
 - Knowledge transfer plan
 - Final architectural design
 - Sign-off with vendor
 - Project closure
 - Project deliverables



Anticipated/Potential Risks





Risk Identification

- Vendor misjudges the work to be completed and dates for completing milestones may be outside the projected plan causing delays.
- A change in key project staff and/or staff roles and responsibilities could delay project deliverables
- KSDE staff are not subject matter experts on the chosen technical solution which could cause confusion and delays to the project.





Risk Identification - continued

- System testing and implementation identifies issues that delay the release of the new student information data collection solution.
- Vendor does not adequately transfer the knowledge necessary for KSDE staff to efficiently maintain the system once vendor work is complete.
- Districts lack the capacity/resources to onboard in a timely manner
- High rate of district staff turnover



Frequently Asked Questions





What does this mean? FAQ

- **This project does not violate student data privacy law**
 - We are NOT changing what we collect.
- KSDE will continue to collect data required to comply with state and federal reporting requirements
- KSDE **willnot** have access to all data in a Student Information System
- Student Information System contracts are district decisions
- KIDS Collection– 1st authenticated application onboarded
 - No Manual Uploads
- Data validations in place - similar timelines (ENRL = September 20 counts)
 - Districts will be required to sign -off on data used for funding calculations, graduation rates, attendance rates, etc.





Comments/Questions...



Kyle Lord
Assistant Director
Information Technology
(785) 296-6155
klord@ksde.org

Julie Cook
SLDS Information Systems Manager
Information Technology
(785) 296-3300
jvcook@ksde.org

Kathi Grossenbacher
Director
Information Technology
(785) 296-3399
kgrossenbacher@ksde.org

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