



# 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

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# 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

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# 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

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# 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

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# 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– 1<sup>st</sup> 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...*



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