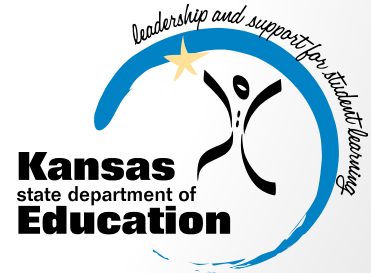


Kansas State Department of Education data collection and security

February 2015





KIDS: Kansas Individual Data on Students



- **KIDS is the Statewide Longitudinal Data System and the core student data collection system.**
- **KIDS assigns unique IDs which follow students as they move between programs, schools, and districts.**
 - Note that we do not collect or use SSNs in KIDS.
- **Eliminates duplication and supports management of longitudinal records for state and federal reporting and program monitoring.**
- http://ksde.org/Portals/0/Communications/Publications/Fact%20Sheets/FACT_SHEET_Data_Coll_1214.pdf



KSDE Data Collection



- **Demographic**
 - Name, Birthdate, Race/Ethnicity, Gender
- **Transportation**
 - Miles transported, Round Trip, Address, Non-resident
- **Enrollment and Attendance**
 - School (Attendance/Accountability/Funding), Residence District
 - Days in Membership & Attendance, Truancy
 - Minutes Enrolled, Concurrent Enrollment
 - Exit Withdrawal Date / Type, Special Circumstances Transfer
 - Post Graduation Plans



KSDE Data Collection

- **Program Participation**

- Free/Reduced Lunch, Virtual Education, Child of Military Family
- SPED: Primary Disability / Gifted / 504
- Homeless Residence / Neglected/ Title I Participation
- English for Speakers of Other Languages : Entry Date (Program/US) / First Language / Bilingual Contact Minutes
- Career and Technical Ed Contact Minutes
- State Assessments: Subject / Test Options
- Immigrant Status/Birth Country/Refugee Status

- **Course Outcomes**

- Course Identifier, Completion status /Educator ID
- Letter Grade / Percent Grade / Pass-Fail



Why we collect the data



- **State and federal reporting**
- **Calculations for state funding**
- **Public reporting**
- **Administering state assessments**
- **School accountability**
- **Authenticated reports back to school staff to inform instruction and to monitor and improve programs**



Why we collect the data



- **Direct Certification**

- Data received from DCF are combined with KIDS data to certify children for free and reduced meals, eliminating a massive paperwork requirement for schools and parents.

- **Virtual Education**

- KIDS collects data on students participating in Virtual Education programs in order to calculate state funding for virtual weighting.

- **KBI Reports**

- KIDS is used to locate “missing” students reported by the KBI, and to notify district administrators for follow-up.



Why we collect the data

- **College Readiness Dashboards**

- Available to all schools & districts via the authenticated System for Education Enterprise in Kansas (SEEK).

- **High School Feedback Reports (Post K-12 Data)**

- ACT with comparative values for district, state, and national averages.
 - Postsecondary Enrollment Rates, locations and retention.
 - Postsecondary remedial coursework requirements
 - Advanced Placement course enrollment and exam data.
 - SAT Data- shows the average SAT scores by building with comparative values for district, state, and national averages.



- **Saves districts approximately \$175,500 yearly as well as costs for resources to analyze National Student Clearinghouse data.**



Data Security

Technology and Systems

People:

Policy

Procedures

Programs



Data Security

Enterprise level technologies

KANWIN Edge Firewalls

KANWIN Intrusion Protection Systems

External scanning

KSDE Specific Technologies

Firewalls and Anti-virus

Web Filtering

Email scanning and filtering

Vulnerability scanning

Subscription Software patch management

Database and Mobile device encryption

Subscribe to State and Federal Cyber Security Advisories



Data Security / Network Design

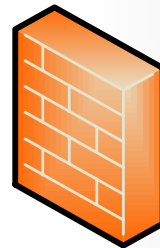
KSDE DMZ

No student level data is directly accessible from the public internet.

Publicly accessible web servers are housed in a segregated DMZ network.

Data servers are on a protected internal server network.

Client pcs/laptops are on another separate protected internal client network.



Data Security

Authentication

Each user having a unique set of criteria for gaining access. (unique user id and password)

Authorization

The process of enforcing policies determining what types of resources or services a user is permitted. (role based access)

Accounting

Logging of user activity. (who, what, when)



Policies, Procedures, Programs

Security Policies

Formal Data Governance Program

Training



KSDE Security Policies

State of Kansas IT Security Policies ITEC 7230A

Student Data Privacy Act (SB367)

Family Educational Rights and Privacy Act (FERPA)

Data Sharing agreements

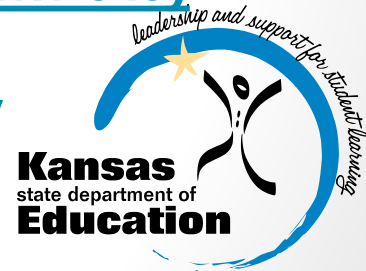
Ex; KBOR Data

Department of Agriculture



KSDE Security Policies

Organizational Roles & Responsibilities Account Management
Policy Administrator Access Policy Backup Security Policy
Email Policy Incident Management Policy
Information Systems Privacy Policy Anti-virus Policy
Network Access Policy Password & Authentication Policy
Physical Security Policy Portable Computing Security Policy
Data Protection & Access Policy Security Awareness Training Policy
Data Center Access Policy Wireless Local Area Network Policy
Remote Access Policy Internet Acceptable Use Policy
Media Sanitization & Disposal Policy Encryption Policy
Social Media Policy Personnel Security Policy



Data Governance Program

The KSDE Data Governance program began in 2008

Model data governance program for the National Education Community

Organizations have long had processes in place for managing financial and physical assets including equipment, money, land, personnel, etc. Recognizing the importance of managing data and information as an asset. KSDE has implemented this Data Governance Program in recognition of the critical nature that data plays in the business of education and the importance of providing safeguards for our information resources.

Link to the KSDE Data Governance program:

<http://www.ksde.org/Portals/0/Data%20Media%20Reports/KSDE%20Data%20Governance%20Program%20Ver%205.0.pdf>



Data Governance Program

Data Governance Board

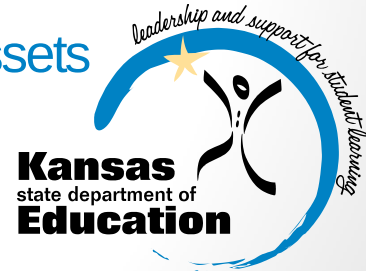
Made up of Agency Data Owners, IT staff and General Counsel

Safeguard the confidentiality, privacy, and security of any information that has been entrusted to his/her team for business purposes.

Judge the value of the data assets and identify the data classification.

Define and approve all access to information and computing assets under his or her responsibility.

Regularly review each application's data access and classification.



Data Governance Program

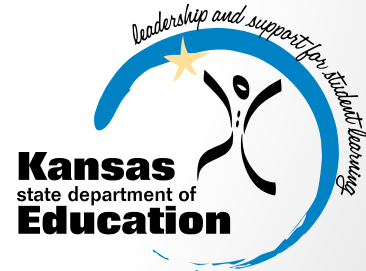
Data Request and Review Board

Established to support the flow of data and information requests for all data which has been collected or calculated by KSDE.

Establishing, encouraging, and enforcing policies and procedures for responding to data and information requests.

Providing and continually improving standard procedures for entering, prioritizing, and responding to data requests.

Note: KSDE Office of General Counsel determines the legality of data requests.



Staff Training

KSDE Data Quality Certification Program

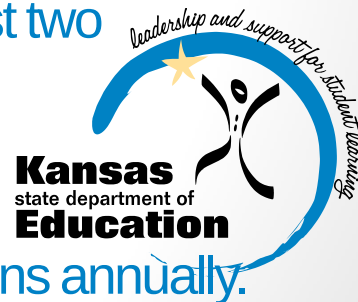
Instruction on general data quality practices and techniques, as well as intensive role-based training with the KSDE web-based applications, including the Kansas Individual Data on Students (KIDS) system, and their support resources.

KSDE Security Awareness Metric (SAM)

KSDE employees and contractors are required to complete the Security Awareness Metric (SAM) within the first two days of employment.

Security Awareness and Data Security Training

All KSDE users are required to attend these sessions annually.



Questions????

