

Missouri Department of Education  
R372A230014

Project Title: Improving DESE's SLDS Content and Accessibility

Project Description: The 2023 SLDS grant gives Missouri an opportunity to improve their Statewide Longitudinal Data System (SLDS) that was started in 2005 with the implementation of the MOSIS Student Identifier/ Missouri's goal is to create a comprehensive early learning through workforce (P- 20W) data system that permits the generation and use of accurate and timely data, support analysis and informed decision-making at all levels of the education system.

DESE is currently in the process of modernizing its SLDS solution by implementing an Ed-Fi Data standard utilizing a Common Education Data Standards data warehouse (CEDS DW). The current initiative is funded using ESSER II and ESSER III relief funds schedule to pilot with local education agencies in October of 2024. Due to time and funding constraints, access to the CEDS DW will remain static to researchers and State staff. Student data received outside of the State reporting solution will not be included and remains in the proprietary organization data store. The desired outcomes that DESE is striving for is tied to the following grant capability:

- DESE intends to use the grant funding to improve our current SLDS infrastructure. Improvement. Improvements would include linking our current Assessment, College and Career Readiness (CCR), and Growth data associated with the K-12 student-levels to our existing Common Education Data Standard warehouse. This will result in the consolidation of our Early Childhood and K-12 data in a CEDS infrastructure to allow interoperability and comparability of data among programs.
- Under the State Policy Questions priority, DESE intends to improve access to data by researchers through enhanced systems for providing restricted use data licenses and other mechanisms that facilitate research and answer agreed upon policy questions to improve education in the State while ensuring that the privacy and integrity of data is safeguarded.

The following components proposed in this grant application are aligned to this capability.

Data Access using a CEDS Data Warehouse using the Ed-Fi Data Standard

Purpose: To provide the ability for approved researchers and SEA staff to query the PK- 12 CEDS data warehouse. This component will provide licensing for online real time access to the States student level data. Users will be able to submit custom queries and extract the associated data. Data suppression and privacy will be at the forefront to ensure the data is protected and only made available to appropriate users.

CEDS - Data Warehouse PK-12 Consolidation

Purpose: To use CEDS to house a complete standard-based statewide longitudinal data warehouse for PK-12 data. Third party vendor data not provided by the existing MOSIS application will be ingested into the CEDS DW. This will facilitate the ability for users to query and extract Assessment, College and Career Readiness (CCR), and Growth data associated with the K-12 student levels. Currently Assessment, CCR, and Growth data is currently housed in a proprietary organizational data store.