

Illinois Department of Education  
R372A230010

Project Title: Illinois Data for Access, Literacy, and Linkage (Illinois Data for ALL)

Project Description: The Illinois Data for Access, Literacy, and Linkage (Illinois Data for ALL) Project consists of a variety of interrelated initiatives that will significantly increase access to data for stakeholders in Illinois' SLDS (educators, families, legislators, etc.), improve data literacy, system literacy, and consistency in the presentation of data from the Illinois State Board of Education (ISBE) across Illinois' SLDS, and ensure the maximum protection of ISBE records as their use expands with linkage into the introduction of the Illinois Longitudinal Data System (ILDS) 2.0. The ILDS 2.0 represents a major step in inter-agency data linkage in Illinois and is about to complete its first proof-of-concept project. The ISBE data warehouse and Illinois SLDS are almost 14 years old, and updates to the data warehouse are necessary for it to meet the demands of its increasing mandatory reporting obligations and the expanding demands of the Illinois SLDS. The project *is* expressing interest in participating in the CEDS initiative connected to this award if we are in an appropriate position to do so.

ISBE is responsible for the design, direction, and implementation of the Illinois Data for ALL Project, working with the ILDS management team and in consultaon with the Illinois Community College Board (ICCB) and Illinois Board of Higher Educaon (IBHE). ISBE will utilize the services of the Illinois Interactive Reports Cards team at Northern Illinois University (NIU) for project staffing. NIU is a strategic partner with the agency on data and reporting projects, and NIU is one of three ILDS-designated "portal partners" working with ILDS management and the Illinois Department of Innovaon and Technology (DoIT) on development of the new ILDS 2.0.

The Illinois Data for ALL project will accomplish its objectives by achieving eight outcomes:

ISBE Warehouse 3.0:

Outcome A1: Remediate technical debt within the ISBE data warehouse.

Outcome A2: Data availability will be expanded.

Outcome A3: Data documentation will be significantly enhanced.

Outcome A4: APIs and other event-driven mechanisms will automate the flow of data across the warehouse.

Outcome A5: Automation of data dictionaries and (to the extent possible) data through to a secure environment such as IBM's CloudPak for Data (CP4D).

Outcome A6: NIU will establish a secure data mart for the purpose of servicing multi-agency educational data for the ILDS. Comprehensive data sets (e.g., full statewide assessment records) will be transferred to the NIU data mart to be transformed for provision into secure environment such as CP4D.

ILDS 2.0:

Outcome B1: Investigation of development and implementation of a secure and permanent method for virtualizing data into secure environment such as CP4D for multiple agencies.

Outcome B2: Investigation of a secure method of extending the data sharing *through* a secure environment such as CP4D into externally connected reporting systems.