# NEBRASKA EDUCATION DATA SYSTEMS

NEBRASKA DEPARTMENT OF EDUCATION

Nebraska Council of School Administrators

NEBRASKA esu Coordinating Council

NSEA Nebraska State Education Association

## LEGISLATIVE STUDY

## WHAT WE DID:

**INPUT FROM DISTRICTS:** focus groups, surveys, and interviews
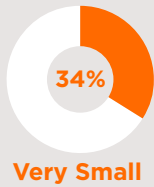
represents **80%** of the students in Nebraska

0  20  40  60  80  100

**655,200** staff hours are spent on accountability submissions
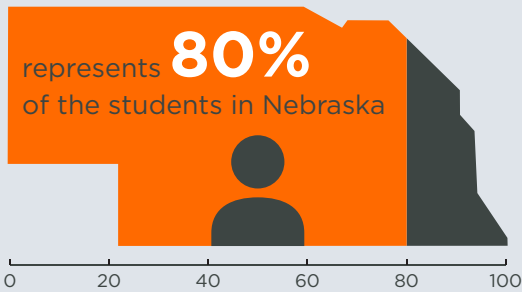
## WHAT WE FOUND:

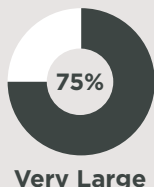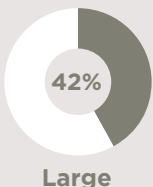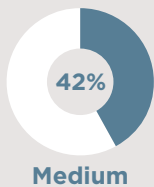Nebraska districts are **SPENDING** **$100M** on data and systems

$246/student on systems = **$75M** **ON DIGITAL SYSTEMS**

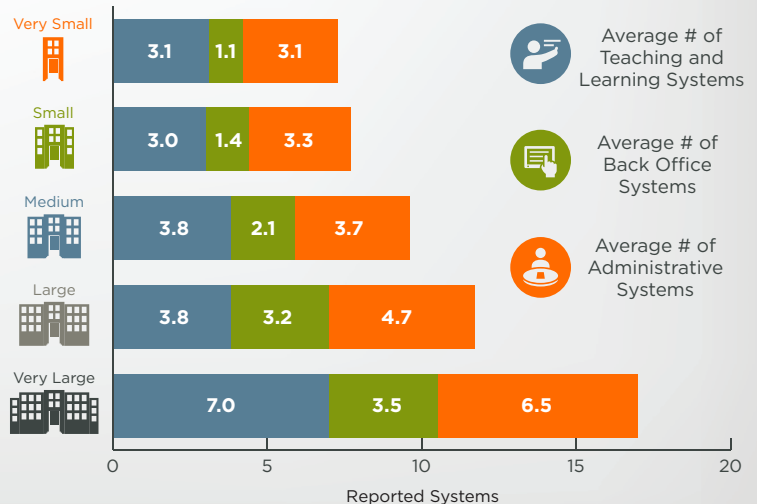455 FTE's = **$25M** **ON ACCOUNTABILITY SUBMISSIONS**

Districts have **LESS ACCESS** to Teaching and Learning systems than they need

Smaller districts have only about **1/3** of the systems for teaching and learning than they might need

**34%** Very Small

**33%** Small

**42%** Medium

**42%** Large

**75%** Very Large

## Districts have **UNEQUAL ACCESS** to all systems

| | Teaching and Learning | Back Office | Administrative |
|---|---|---|---|
| Very Small | 3.1 | 1.1 | 3.1 |
| Small | 3.0 | 1.4 | 3.3 |
| Medium | 3.8 | 2.1 | 3.7 |
| Large | 3.8 | 3.2 | 4.7 |
| Very Large | 7.0 | 3.5 | 6.5 |

0  5  10  15  20
Reported Systems

Average # of Teaching and Learning Systems

Average # of Back Office Systems

Average # of Administrative Systems

# NEBRASKA EDUCATION DATA SYSTEMS

NEBRASKA DEPARTMENT OF EDUCATION
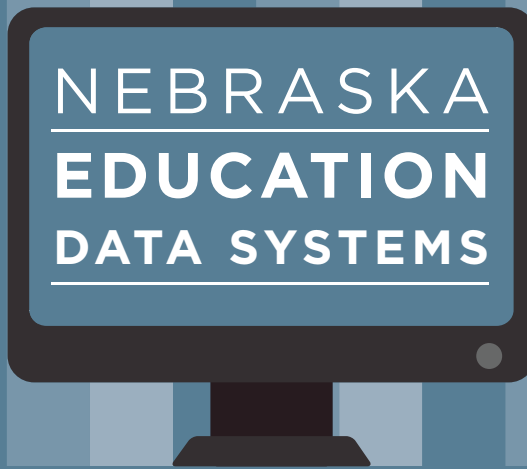
## LEVERAGED CAPACITY

**Leverage an open-source education data standard** along with accompanying technical assets – **student-level dashboards for teachers** and secure data warehouses for reporting. Developing the **Nebraska Education Data Standard** – will mean a set of data standards for interoperability of systems. This work will also include the infrastructure to support a major data system, including a **single sign on** offering from the ESUCC.

## AUTOMATED COLLECTIONS

**Reduce reporting burden** by providing efficiency and automation for data submissions through the leveraged secure data infrastructure and support.

## ACTIONABLE INSIGHT

**Targeted resources**, once expended on data submission, can be directed to **effectively using Nebraska's data system and ensuring privacy and security** of the data. The **educational insight** will include the ADVISER Dashboard, data warehouse, and other longitudinal analysis that would **inform both policy and practice**.

## SUSTAINED SUPPORT

Collaborate to include **Training and Help Desk support around the systems—statewide**. The cooperative support would provide opportunities for NDE, ESUCC and others to coordinate assistance using a tiered ticketing system, knowledge transfer, and professional development for data use.

## INSTRUCTIONAL SYSTEMS

Leverage the interoperability of the data standard and the state "buying power" to **support an Instructional Improvement System**. The creation of an "app store" would provide **low cost or free options for school districts to choose applications** that support digital system access and data integration—for all districts in Nebraska.