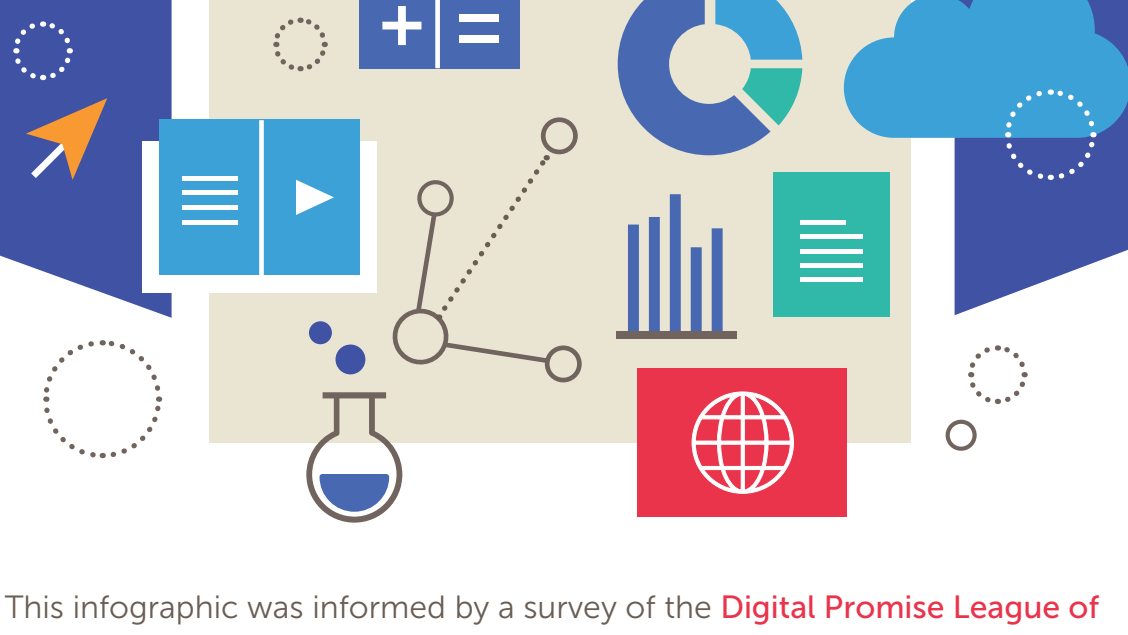


Data Interoperability IN PUBLIC EDUCATION

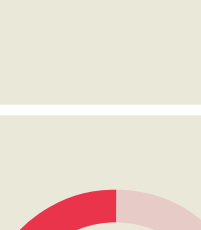


This infographic was informed by a survey of the **Digital Promise League of Innovative Schools' Data Interoperability Working Group**.

The 40 respondents hold leadership roles in district technology across 40 U.S. public school districts.

To forward-thinking districts in the country, data interoperability matters.

Why?



"It is impossible to achieve the goal of providing a personalized learning experience if data is not actionable, in real time and makes sense to teachers, staff, students and parents."

JAY MCPHAIL, Assistant Superintendent Innovation & Instructional Support, Fullerton School District



84% of respondents said data interoperability was **important or extremely important to their districts**.



74% of respondents said their districts were **familiar or extremely familiar** with data interoperability.



68% of respondents said data interoperability was **important or extremely important to them professionally**.



"Data interoperability has been a personal goal for myself for the last five years, especially the last 3-and-a-half years that I have spent in Cajon Valley. We have made this push over the last three years and have seen a huge return on the investment in education and time to make this work."

JONATHON GUERTIN, Chief Technology Officer, Cajon Valley Union School District

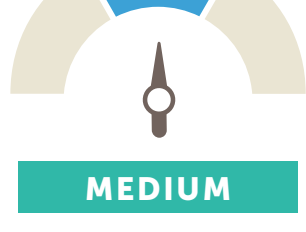
100% of respondents said they have **dedicated staff** for data management

However, data management and integration looks different in every district, and data integration has varying levels of implementation.



LOW

"It is very haphazard; we have added so many software programs and things that need our data."



MEDIUM

"We use products that support multiple platforms. Unfortunately, data syncing is often a manual process."

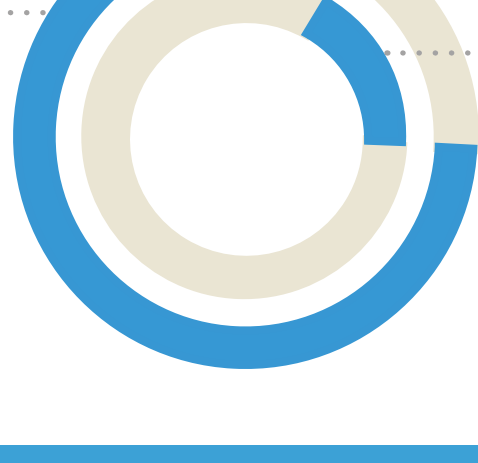


HIGH

"Integration with our systems is a mandatory purchasing requirement."

74%

of districts use **more than 26** different edtech or software tools/products

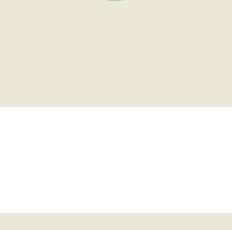


17%

of districts use **more than 100** different edtech or software tools/products

But only **33%** of districts report that they have gotten **more than 1/2** of their teaching and learning tools linked with their student information system.

THAT'S A PROBLEM.

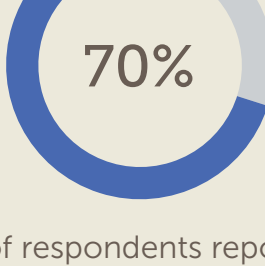


"Only approved software/tools are provided or mandated by the district or by buildings, though we do not prohibit the use of software or tools that a teacher attains access to on their own."

ADAM KURTH, Director of Technology and Innovation, Iowa City Community School District

Data Interoperability Can Help

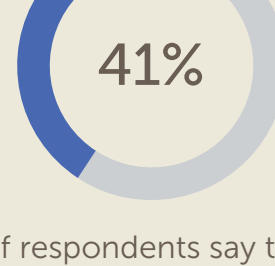
RESPONDENTS REPORT THAT DATA INTEROPERABILITY IS TOP-OF-MIND.



70% of respondents report having **taken steps** toward being more interoperable.



88% of respondents report data interoperability as having an **impact on decision making** or being a **primary consideration** in district-level purchasing of an ed-tech tool.



41% of respondents say their district's teachers report data interoperability as having an **impact on decisions** to **adopt an ed-tech tool** in the classroom.



"Gathering quantitative and qualitative data is crucial to personalized learning, but we must have proper systems in place to ensure the privacy and security for that data."

SHELBY WOMACK, Executive Director of Technology & Digital Learning, Stephenville Independent School District

In this journey toward becoming more interoperable, district technology leaders identified the following priorities and pain points.

DISTRICT TECHNOLOGY LEADERS CARE ABOUT:



Increasing Privacy and Security of Student Data



Promoting Learning



Saving Time for Teachers and Administrators



Improving Data Quality



Visualizing Data to Help Make Informed Decisions



Achieving Compliance with Federal and State Regulations

DISTRICT TECHNOLOGY LEADERS SAY THEIR TOP PAIN POINTS ARE:

- Ed-tech vendors who are unwilling or unable to integrate with existing SIS or LMS
- Multiple integrations in order to extract data from multiple sources
- Managing multiple logins and single sign-on capabilities
- Auto-population of roster data
- Securely connecting applications to ensure data privacy
- Regulating apps/freemium tools/web apps that are not officially adopted by the district

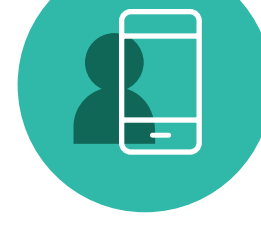
DISTRICTS ARE ADVANCING INTEROPERABILITY BY:



Creating a privacy policy



Reviewing each and every application for interoperability



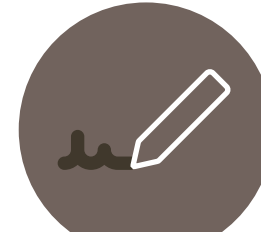
Relying on their IT department for all app decisions



Building a team to understand data governance



Participating in organizations such as Ed-Fi and IMS Global



Signing the Project Unicorn Data Interoperability Pledge



To learn more about data interoperability, please access these resources from the Michael and Susan Dell Foundation:

<https://www.msdf.org/blog/tag/interoperability-series/>

To learn more about the League of Innovative Schools, please visit:

<http://www.digitalpromise.org/league>