Enhance student success by turning data into actionable information and insight.

Education Data Management (EDM) for K-12

Key benefits:
- Make decisions in real time
  Create a relevant, real-time analysis of education data
- Enhance education performance
  Offer faster interactional information flow
- Unlock new insights
  Remove constraints on analyzing large volumes of data
- Increase education productivity
  Manage critical data objects that exist throughout multiple systems, applications and processes across the education system
- Improve IT efficiency
  Use existing IT assets to create added value while minimizing costs and risks

“We’ve armed our teachers with a tool that’s going to allow them to make the most informed decisions for their students each and every day, based upon all the information that’s available. Our teachers and principals are seeing what real-time data can do to prepare our students. Education data management will soon be an imperative for school districts across the country.”

Dr. Jamie Wilson
Superintendent, Denton ISD

Optimize student data to identify at-risk students and enable educators to intervene before it’s too late

Many elementary students are at risk of falling behind the standard reading level for their grade, and those struggles are compounded as they progress to high school. Each year, hundreds of thousands of students drop out before receiving a high school diploma, limiting their options for the future. The right interventions, at the right time, might turn things around for some students, but the reasons many struggle are often elusive until it’s too late. An effective Education Data Management (EDM) system is key in intervening at the most crucial point, as it allows schools to optimize technology and student data to enhance teaching, boost student performance and improve operations.

Most schools collect an abundance of information electronically, but it can be challenging to cleanse, integrate, identify, consume and analyze that data to improve educational outcomes. The Dell EDM solution isolates the right information to compile meaningful reports. It ensures high-quality data and helps turn that data into improved student and teacher performance and a manageable document workflow. EDM provides dashboards for teachers to evaluate classroom effectiveness and individual student needs to improve learning outcomes. As a result, schools can decrease dropout rates and increase school performance ratings.

Education Data Management for K-12

The Dell EDM solution is a decision support system designed to meet and exceed organizational goals while addressing federal, state and local mandates. Once deployed, your EDM strategies and technologies can not only boost student achievement, but they can also track and optimize information flow relating to HR, finances, facilities and other enterprise operations, all of which affect your ability to educate students. Dell ensures your data is secure and compliant with the Family Educational Rights and Privacy Act (FERPA), the Children’s Online Privacy Protection Act (COPPA), the Health Insurance Portability and Accountability Act (HIPAA), and the Federal Information Security Management Act (FISMA).
Our EDM solution allows educators to track student education and behavior from kindergarten to graduation. This enables school systems to improve performing strategies, predictive analytics, fiscal management, compliance, reporting and student retention.

### Empowering educators, inspiring students: Denton ISD

Denton ISD, in North Texas, recognized that schools affect not only students and their futures, but the future of the entire community. They understand that early intervention is key to helping struggling students reach graduation, so they set the goal of achieving a 100 percent graduation rate.

In order to improve graduation rates, Denton ISD chose to implement the Dell EDM solution to aggregate student data for more than 25,000 students from disparate software systems. Gathering information on student performance, discipline patterns and mobility between schools armed teachers and administrators with the data needed to improve instruction, identify appropriate intervention opportunities and increase retention.

As a result, the district can now continually assess student performance, and teachers can access rich real-time data to provide students the help they need faster. The actionable information provided by EDM is allowing Denton ISD to reclaim more than 146,000 hours of teacher time a year. Because they are tracking patterns early, Denton ISD believes early detection and intervention will keep students on track and help the district reach their goal of a 100 percent graduation rate.

### Core components of the Dell EDM solution

- **Master data management (MDM) and data governance (DG):**
  School systems collect countless data points — such as emergency contact information, immunization records, test scores and behavior records — for each student over their K-12 career. As students change schools, it can be difficult to aggregate the appropriate information from multiple sources. MDM and DG are a set of processes and technologies that define, identify and manage critical data that exist throughout multiple systems, applications and processes across the organization.

- **Data warehousing:**
  School districts need student data to flow securely throughout the district. Data warehousing provides the architecture that allows data flows to be standardized for optimum data flow to increase productivity throughout a school district.

- **Education intelligence with learning and predictive analytics:**
  Once data is aggregated, cleansed and secured, it is analyzed and paired with correlated data points to give multiple views of student education data. Data is turned into actionable information to improve decision-making and educational performance.

- **Education data visualization:**
  Parents, students, teachers and administrators can access a visual representation of actionable education data through a portal. Students and teachers can receive alerts when students are struggling, and students can directly access additional resources to encourage improvement.

### Getting started with our EDM solution

Contact your Dell representative to set up an EDM Readiness Assessment and an EDM Workshop, which is the first step to preparing for a robust, efficient EDM program that establishes an effective longitudinal data system to improve student and institutional success. If your district is serious about exploring and executing successful EDM strategies, we provide this half-day fact-finding and information-exchanging workshop at no cost.

Contact your Dell representative to discuss how we can help meet your EDM goals. We stand ready to help you advance to the head of the class in innovation and results. Visit Dell.com/edm for more information.

For more information about any of our service offerings, please visit Dell.com/services or contact your Dell representative.