

**Data Pipeline:** a streamlined approach to efficiently move required education information from school districts to the Colorado Department of Education. Data Pipeline replaces the Automated Data Exchange (ADE) process.

## Data Pipeline offers enhanced functionality

### Features of the new system include:

- Online error correction
- Web services that reduce manual data transmission
- Additional user roles within Data Pipeline allows differentiated access to data
- Notifications when students transfer to another district, resulting in more accurate drop-out rates
- The Record Integration Tracking System and the Educator Identifier System provide matching capability within the Data Pipeline

For more information and answers to Frequently Asked Questions, visit:  
[www.cde.state.co.us/rise/ADEReplacement.asp](http://www.cde.state.co.us/rise/ADEReplacement.asp)

## Strategic Objectives

### 1. Reduce data redundancy

**Centralized set of student demographics.** The Data Pipeline maintains a central set of student demographics used across all collections. By keeping that data current, the Data Pipeline will significantly increase the accuracy of data pulls such as the pre-coded labels for standardized testing. With the new system, these can be pulled from the student profile at the last possible hour to ensure greater accuracy. The Data Pipeline will streamline the data submission process from 19 point-in-time data submissions (by program) to seven transactional interchanges and two periodic collections (based on student).

### 2. Move closer to real-time data

**Reduced data submission burden.** Districts that choose to use web services for data submission to the Data Pipeline will see a reduction in the data that is manually transmitted to the state. Districts can make data corrections in their student information system as errors are reported to them. Thus, the constant feedback from the state could significantly increase data quality.

### 3. Streamline the data collection process

**Transactional vs. periodic data collection.** The new method of data collection and storage will be better aligned with the transactional collection and storage used by student information systems. As a result, data can be manipulated and grouped in different ways to satisfy changing reporting requirements.

### 4. Provide more benefits for districts

**Additional data available to districts.** As students transfer from one district to another, receiving districts have immediate access to more data on the student such as state assessment information, growth scores, and more. This allows districts to better determine the instructional needs of incoming students.

## Who benefits from the Data Pipeline?

### Districts/Data Coordinators

Reducing data collection complexity means data coordinators spend less time gathering and sending information to the district office and the state department of education. It also means there's more time to dedicate to better use data to support student instruction.

### CDE Data Customers

Having more timely data submissions allows data to be provided through audience-specific information portals. In addition, the Data Pipeline application requires less programmer maintenance for school districts.