Montana’s New Statewide Longitudinal Data System (SLDS)
Agenda

• Overview
• Demonstrations
• Secure Data Access
• Technology
• Future Plans
• Questions
Overview

Growth and Enhancement of Montana Students

A “Data Warehouse” project…
A “Statewide Longitudinal Data System”…
Origin and Rationale

... to help States, districts, schools, and teachers make data-driven decisions to improve student learning, as well as facilitate research to increase student achievement and close achievement gaps.
A statewide longitudinal data system (SLDS) is a data system capable of tracking student information over multiple years in multiple schools. Montana's SLDS will integrate existing, transformed data extracted from multiple source systems such as AIM, MAEFAIRS, and Assessment, to name a few.
The Data Warehouse and Business Intelligence Process

- **People →**
  - Data Owners (Program Staff)
  - Program Instructions
  - AIM MAEFAIRS GEMS

- **Documents →**
  - Data Collection or Interchange via file uploads or services into AIM

- **Tools →**
  - How-to Quick Reference Guides
  - File Layouts & Code Sets
  - Validation Reports and Notifications
  - Portal, Analysis Tools, Reports and Dashboards

- **Get the right data**
  - District and School Staff
  - Data Stewards OPI Data Analysts

- **Get the data in**
  - Educators
  - Researchers
  - Public

- **Get the data right**
  - Data Definitions & Online Training Modules

Data Quality
GEMS Project Scope

GEMS Public Web Portal Categories and Subcategories

- General District and School Information
  - School Facilities
  - Contact Information
  - District Profiles
  - Statewide Reports
  - Accreditation
  - NCLB Status

- Program and Course Offering
  - Career and Technical Ed
  - Adult and Basic Ed
  - Advanced Drivers Ed
  - Gifted and Talented
  - Learn & Serve
  - Indian Education
  - Special Education
  - Bilingual Education

- School Climate
  - Discipline Information
  - Youth Risk Behavior Survey
  - My Voice
  - School Health profiles

- Student Achievement
  - Graduation Rates
  - College Entrance Tests
  - GED
  - CRT and CRT-Alt
  - English Language Proficiency Assessment
  - NAEP
  - AYP
  - Gear Up

- Student Services
  - After School programs
  - Student Transportation
  - Child Nutrition
  - Drivers Ed
  - BYRD Scholarships

- School Finance
  - Financial Information
  - County Fiscal Information
  - Grant Information

- School Staffing and Teacher Characteristics
  - School Staff Information
  - Educator Licensure
  - Teacher and Principal Eval
  - Highly Qualified Teachers

- Student Characteristics
  - Enrollment
  - Homeless, Neglected, and Delinquent Students
  - Migrant Students
  - Limited English Proficient

- Student Engagement
  - Attendance
  - Extracurricular Activities

Montana Office of Public Instruction
Denise Juneau, State Superintendent
GEMS High Level Architecture

- Files (MontCAS)
- Files (GED)
- Databases (Central)
- Databases (AYP)
- Student & Staff Information Systems (AIM)
- GEMS Data Warehouse
- Reporting Services
- Report Builder
- Microsoft SharePoint and PerformancePoint technologies
- Cubes
- Excel
GEMS User Profiles

PARENTS

SCHOOL
ADMIN

ANALYSTS & RESEARCHERS

TEACHERS
Demonstrations