Leading the Nation in Education Data Management

> "AEM has been an invaluable partner to our education data management efforts through their work on CEDS, PTAC, SLDS, and EDFacts."
>
> Peter Tamayo, CIO WA Office of Superintendent of Public Instruction

AEM data management helps to shape education for students of all levels.

OVERVIEW

Data management is an essential tool for civilian government agencies to drive policy decisions and provide the foundation for evidence-based practices that shape the educational future of our children.

Education leaders at the federal, state, and local levels turn to AEM to achieve break-through performance for their organizations through our data management processes and best practices in the areas of data definition, privacy, collection, storage, validation, quality, and use. Our in-depth knowledge, experience, and success across all aspects of data management enable us to deliver innovative solutions and specialized expertise to meet our client's unique data management challenges and objectives.

EDUCATION DATA STANDARDS LEADERSHIP

AEM is leading the effort to establish and implement common data definitions and data models for education data. Our work on the Common Education Data Standards (CEDS) project has enabled us to collaborate with thousands of education stakeholders from early childhood to the workforce. To date, 49 states and 3 territories are using the CEDS standards in their efforts to model and/or map their disparate data systems and to communicate and collaborate with relevant partners in order to to meet their broader education data objectives. This includes more than 500 data systems mappings to CEDS and over 400 data use efforts.

DATA PRIVACY AND SECURITY EXPERTISE

Our nationally recognized experts in privacy and security help states and local educational agencies achieve privacy and data security excellence. We examine federal and state laws such as the Family Educational Rights and Privacy Act (FERPA) and the Health Insurance Portability and Accountability Act (HIPPA) and then assist agencies to surpass the minimum standards through use of industry best practices.

On behalf of the Department, we have orchestrated in-person training sessions for thousands of education data stakeholders from all 50 states and nearly every U.S. territory. More than 60,000 data, legal, and education professionals have completed our online coursework, viewed our training videos, and accessed our rich privacy and data security resources. Our onsite privacy help desk has provided assistance on more than 10,000 inquires.

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aem EDUCATION SERVICES

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AEM supports all facets of the
data management lifecycle.

AEM helps thousands of end users to analyze and access
data from its collections.

DATA SYSTEM AND USE SUPPORT

AEM technical assistance experts have worked closely with the U.S. Department of Education's State Longitudinal Data Systems (SLDS) program to promote the successful design, development, implementation, and use of SLDS in nearly every state and territory. Our experts have an in-depth understanding of data systems, governance structures, technical approaches and relationships required to successfully implement multi-agency systems. They provide continuity and enhance both the Department's ability to monitor progress and the grantee's ability to build high-quality sustainable systems. Combined with the use of innovative tools such as GRADS360° and COMMUNITIES360°, we provide unparalleled supports to federal program officers and grantees.

DATA COLLECTION SUPPORT

Among a dozen such engagements, AEM also supports two of the nation's largest education data collections. These include data elements collected from every state and district in the U.S.

Civil Rights Data

For the Civil Rights Data Collection (CRDC), a biennial survey on education access and equity, AEM supports data providers and data users. For data providers, we manage a Resource Center website to provide technical assistance and program updates, and disseminate CRDC-related materials to the user community of more than 17,600 of the nation's public schools and school districts. For data users, we support the Office for Civil Rights reporting website, where users can analyze and access data presented in tables, charts, graphs, special reports, and downloadable databases from recent collections.

EDFacts

For EDFacts, a U.S. Department of Education initiative to collect, analyze, report on, and promote the use of high-quality pre-kindergarten through grade 12 performance data, AEM supports all facets of the data management life cycle. This ranges from supporting States' data submissions to reviewing the quality of the data with the Program Office data stewards to preparing data files and documentation for publication. As part of this work, we are responsible for the Common Core of Data (CCD) non-Fiscal data collection, where we work with states to resolve data questions and then prepare public release files and supporting documentation.

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EDUCATION
SERVICES