

Tapping Into the Power of Data to Improve Student Achievement

The Data Quality Campaign (DQC) is a national, collaborative effort to encourage and support state policymakers to improve the collection, availability and use of high-quality education data and to implement state-wide longitudinal data systems to improve student achievement. Its goals are to have:

- Longitudinal education data systems in 50 states by 2009
- Increased understanding by policymakers and educators of how to use longitudinal and financial data in their efforts to improve student achievement
- Promotion of data standards and efficient data transfer and exchange

eScholar's suite of products provide all 10 of the Essential Elements and Fundamentals of a Longitudinal Data System recommended by the Data Quality Campaign.

eScholar's Approach

DQC 10 Essential Elements	eScholar Solutions
<p>1. Unique statewide student identifier that connects student data across key databases across years</p>	<p>eScholar Uniq-ID® for Students</p> <ul style="list-style-type: none"> • A comprehensive, proven software product to collect student identification data, match, de-duplicate and assign unique identifiers • Collects data from every student in a state from Pre-K through college and assigns a unique student identifier that can be used to track individual student records across time, geography, and the wide variety of systems in which student data are found

<p>2. Student-level enrollment, demographic & program participation information</p>	<p>eScholar Complete Data Warehouse®</p> <ul style="list-style-type: none"> • Includes more than 2,500 data elements such as: enrollment, program participation information, disabilities, LEP participation, weighted and un-weighted GPA, and demographics including gender, race/ethnicity, economic status, address, contact, guardian, primary language, etc. • Uses US Department of Education’s NCES data definitions where applicable • Allows storage of point-in-time snapshots of student demographics, changes over time or at timeframes that capture the composition of the student body at the administration of an assessment
<p>3. Ability to match individual students’ test records from year to year to measure growth</p>	<p>eScholar Complete Data Warehouse®</p> <ul style="list-style-type: none"> • Offers the proven ability to match millions of students and hundreds of different assessments, taking advantage of eScholar’s sophisticated structure for collecting, integrating, and analyzing assessment data • Enables virtually any type of assessment result data to be loaded (ACT, SAT, TerraNova, SAT9, state and district specific assessments, etc.) • Includes individual data elements such as proficiency level, raw score, scaled score, national percentile, stanine, grade equivalent, individual item response, and many others • Provides the capability for easy analysis across various assessments on any comparable measure, including subtest and skill levels, as well as over time, using eScholar’s integrated data model
<p>4. Information on untested students and the reasons they were not tested</p>	<p>eScholar Complete Data Warehouse®</p> <ul style="list-style-type: none"> • Retains a complete history of individual student enrollment records, which can be compared with assessment records in order to determine those students who have not been tested and, where available, stores the reasons why such as: absent, parent refusal, student refusal, etc.

<p>5. Teacher identifier system with ability to match teachers to students</p>	<p>eScholar Complete Data Warehouse® & eScholar Uniq-ID® for Staff</p> <ul style="list-style-type: none"> • Delivers a fully developed and broadly proven solution to collect staff identification data, match, de-duplicate and assign unique identifiers • Contains teacher data that tracks credentials, demographics, assignments, and staff development—information needed to determine Highly Qualified Teacher • Maintains all valid relationships between student and teacher, including course enrollment, home room, assessment administration, and more • Utilizes eScholar’s powerful matching system to maintain a consistent identifier for individuals that may be both a student and teacher over time
<p>6. Student-level transcript information, including information on courses completed and grades earned</p>	<p>eScholar Complete Data Warehouse®</p> <ul style="list-style-type: none"> • Tracks transcript information such as student course enrollment and student grades, using eScholar Integration Templates™ • Stores course grades at the student, section, and staff levels by marking period • Accommodates both numeric and alpha grades
<p>7. Student-level college readiness test scores</p>	<p>eScholar Complete Data Warehouse®</p> <ul style="list-style-type: none"> • Integrates student-level college readiness assessment scores, including ACT, SAT, and others • Provides pre-built structures that store assessment data and college readiness test results • Integrates college readiness assessments with all other Pre-K–12 assessments and puts this information in context with all other student performance data

<p>8. Student-level graduation and dropout data</p>	<p>eScholar Complete Data Warehouse® eScholar Uniq-ID® for Students</p> <ul style="list-style-type: none"> • Provides the capability to store graduation and dropout rates from K-12 through postsecondary education • Maintains underlying details used to calculate graduation and dropout rates, i.e., which students have graduated, when they graduated, and with what type of diploma • Permits further analysis of graduation and dropout rates by grade level, race/ethnicity, gender, and other student characteristics • Supports analysis of student mobility within and across districts
<p>9. Ability to match student records between the P–12 and higher education systems</p>	<p>eScholar Complete Data Warehouse® eScholar Uniq-ID® for Students</p> <ul style="list-style-type: none"> • Matches student longitudinal data spanning all domains from Pre-K through postsecondary education • Provides the capability to store limitless amounts of data from the detailed student-level data to aggregated levels of data
<p>10. State data audit system assessing data quality, validity, and reliability</p>	<p>eScholar Complete Data Warehouse®</p> <ul style="list-style-type: none"> • Provides a complete set of capabilities to integrate, validate and cleanse data, assuring higher quality, accurate, and reliable data at a state level • Ensures quality, validity, and reliability of data using verification reports, rule based data validation, and other reports to audit and assess data quality • Utilizes integrated data quality and data density reports • Discovers false drop-outs, simultaneously enrolled students and disappearing students

More about the Data Quality Campaign

The DQC was created in 2005, with support from The Bill & Melinda Gates Foundation, as a way for many organizations who were working on separate but similar campaigns regarding educational data systems to come together to ensure coordinated and unduplicated efforts towards reaching

their common goals. The mission is to provide support for and advocacy on behalf of organizations that create, collect, and use education data in an effort to improve student achievement. For more information, contact the National Center for Educational Achievement at (512) 320-1816.

Why eScholar?

- The leader in education data management, providing successful statewide solutions for 11 SEAs, supporting over 3,500 school districts and over 12 million students across the country.
- Focused exclusively on the education data management industry since 1997.
- Comprehensive services, training and support programs to ensure customer success.
- An established, active user community allowing access to best practices, experience, and support from peers nationwide

Today, our products have become the recognized standards in the student and staff identification and educational data warehousing markets. The eScholar Complete Data Warehouse® solution has become an indispensable solution to local and state education agencies for integrating and managing the vast quantity of information they collect on students, programs, teachers and much more. For more information, contact Sales at sales@escholar.com or (877) 328-2969

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