



**Using Elementary/Secondary Information System (EISi) to Access CCD
Data**

Module Objectives

- Describe the Elementary/Secondary Information System (EISi) data tool
- Discuss the advantages and disadvantages of using EISi
- Demonstrate how to use EISi

Elementary/Secondary Information System (EISi)

- Allows users to
 - View public and private school data
 - Create custom tables and charts
- From two data sources
 - [Common Core of Data \(CCD\)](#)
 - [Private School Universe Survey \(PSS\)](#)
- EISi is the primary tool researchers can use to access CCD or PSS data

Accessing EISi

There are several ways to access EISi

1. [Elementary/Secondary Information System \(EISi\)](#)
2. [National Center for Education Statistics \(NCES\)](#)
3. [Common Core of Data \(CCD\)](#)

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Advantages of Using EISi

- EISi can aggregate data from a lower level and display it at a higher level
 - Example: EISi can display free lunch eligibility counts at the district level by aggregating the school level data
- EISi displays the symbols for missing and not applicable to make data easier to manage
- The ability to select data from multiple years and multiple files
 - Example: universe, fiscal, and completer data on one table

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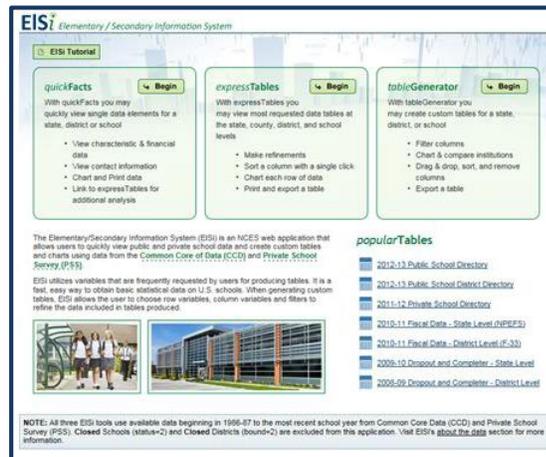
Disadvantages of EISi

- Closed schools and districts are not included
- Not all of the levels of detail from the data files are included
- Does not include information from the directory files
- Does not include Restricted-use data files

EISi Homepage and Components

EISi consists of three components

- [quickFacts](#)
- [expressTables](#)
- [tableGenerator](#)



[quickFacts](#)

quickFacts allows researchers to

- View single data elements for a state, district, or school
- View characteristic and financial data
- View contact information
- Chart and print data
- Link to *expressTables* for additional analysis

quickFacts: Example

- Select the level
- Select the characteristic
- Select the entity



The screenshot shows the EISi quickFacts interface. At the top left is the logo 'EISi quickFacts'. To the right are links for 'Help/Tutorial' and 'About the Data', and a dropdown menu labeled 'EISi Options'. Below this is a large light blue box containing the text 'Select a Level' followed by a dropdown menu.

[expressTables](#)

expressTables allows users to view created tables for a group of entities (all schools in a state, all states in the nation, etc.) by

- Level
- Table
- Group

expressTables: Example with Race Data

The screenshot shows the EISi expressTables interface. At the top, there are links for 'Help/Tutorial', 'About the Data', and 'EISi Options'. Below this, the user has selected 'District' as the level and 'School District Enrollments by Race/Ethnicity' as the table. The filter selections are set to State: Maryland, Zip Code: (empty), Distance: 0 miles, and Year: 2012-13. A 'View Table' button is visible, along with 'Clear Filters' and 'Help with filters' options.

The main data table is titled 'School District Enrollments by Race/Ethnicity 2012-13 (25 records)'. It includes a link to 'View glossary of your expressTable data columns' and 'Print' and 'Export' buttons. The table columns are: Agency Name, American Indian/Alaska Native Students, Asian or Asian/Pacific Islander Students, Hispanic Students, Black Students, White Students, Hawaiian Nat./Pacific Isl. Students, and Two or More Races Students.

Agency Name	American Indian/Alaska Native Students	Asian or Asian/Pacific Islander Students	Hispanic Students	Black Students	White Students	Hawaiian Nat./Pacific Isl. Students	Two or More Races Students
ALLEGANY COUNTY PUBLIC SCHOOLS	27	69	112	304	8,062	2	353
ANNE ARUNDEL COUNTY PUBLIC SCHOOLS	238	2,739	7,830	15,822	46,877	234	4,030
BALTIMORE CITY PUBLIC SCHOOLS	313	885	4,542	71,762	6,749	170	326
BALTIMORE COUNTY PUBLIC SCHOOLS	396	6,766	7,057	41,253	47,490	92	3,871

expressTables: Example with Student and Staff Counts

The screenshot shows the EISi expressTables interface. At the top, there are links for 'Help/Tutorial', 'About the Data', and 'EISi Options'. Below this, the user has selected 'District' as the level and 'School District Enrollment / Teacher Counts' as the table. The filter selections are set to State: Maryland, Zip Code: (empty), Distance: 0 miles, and Year: 2012-13. A 'View Table' button is visible, along with 'Clear Filters' and 'Help with filters' options.

The main data table is titled 'School District Enrollment / Teacher Counts 2012-13 (25 records)'. It includes a link to 'View glossary of your expressTable data columns' and 'Print' and 'Export' buttons. The table columns are: Agency Name, Total Students (UG, PK-12), Full-Time Equivalent (FTE) Teachers, and Pupil/Teacher Ratio.

Agency Name	Total Students (UG, PK-12)	Full-Time Equivalent (FTE) Teachers	Pupil/Teacher Ratio
ALLEGANY COUNTY PUBLIC SCHOOLS	8,929	646.01	13.82
ANNE ARUNDEL COUNTY PUBLIC SCHOOLS	77,770	5,269.13	14.76
BALTIMORE CITY PUBLIC SCHOOLS	84,747	5,380.30	15.75
BALTIMORE COUNTY PUBLIC SCHOOLS	106,927	7,262.40	14.72
CALVERT COUNTY PUBLIC SCHOOLS	16,323	1,026.42	15.90
CAROLINE COUNTY PUBLIC SCHOOLS	6,555	400.60	13.93

[tableGenerator](#)

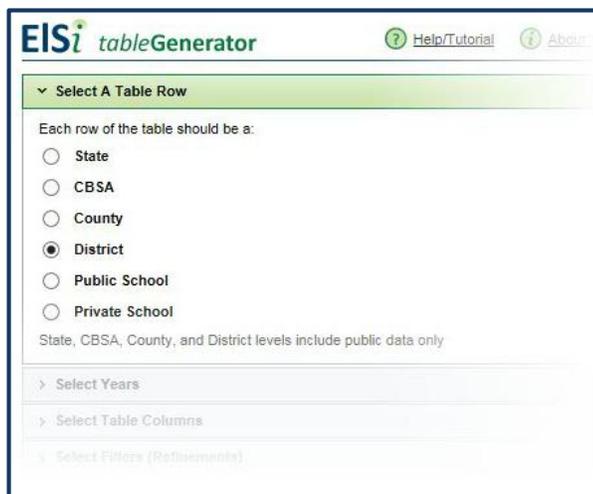
tableGenerator allows for the creation of tables that

- Include **every** school or district in the nation
- Can be exported into Excel or CSV
- Can save settings to be retrieved at a later time

tableGenerator: Steps

Step 1 – Select Unit(s) for Rows

- State
- Core Based Statistical Area (CBSA)
- County
- District
- Public School
- Private School



tableGenerator: Steps (Continued)

Step 2 – Select Years of Data

The screenshot shows the 'tableGenerator' web interface. At the top, there is a header with the logo 'EISi tableGenerator', a 'Help/Tutorial' link, an 'About the Data' link, a 'Table ID' input field, a 'Go' button, and an 'EISi Options' dropdown menu. Below the header, there is a navigation bar with a dropdown arrow and the text 'Select A Table Row'. The main content area is titled 'Select Years' and contains a section 'Select school years of data:' with a grid of checkboxes for school years from 2012-13 to 1986-87. The years 2012-13, 2011-12, and 2010-11 are selected. Below the grid is a 'Select Table Columns' section.

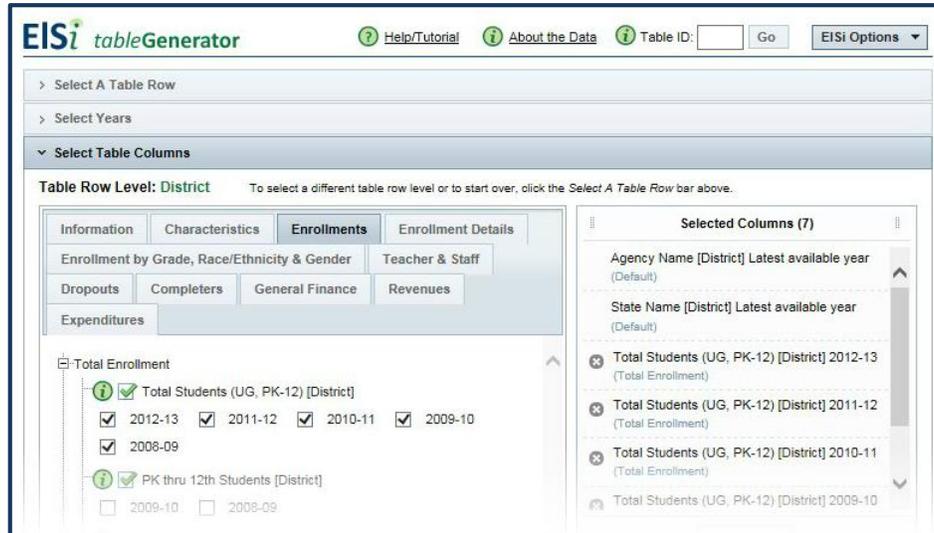
tableGenerator: Steps (Continued)

Step 3 – Select Variables

- Depending on the years selected, various tabs of variable groups are available to select as the columns of the table
 - Information
 - Characteristics
 - Enrollment
 - Teacher and staff
 - General Finance
 - Dropout and Completers
- Keep in mind that not all data files are available at the same time, the year selected directly relates to which variable groups are available in the data tool
 - For example, fiscal data are typically released after nonfiscal data. Therefore, if you select the most recent school year, fiscal data may not be available

tableGenerator: Steps (Continued)

Step 3 – Select Variables (Continued)



tableGenerator: Steps (Continued)

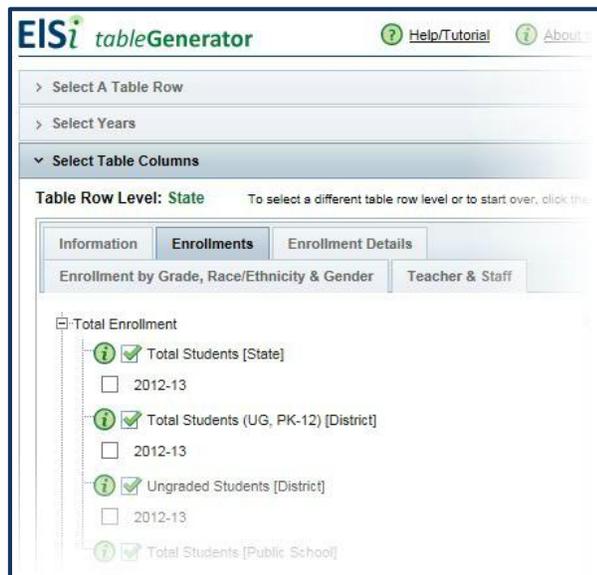
Step 3 – Select Variables (Continued)

- Aggregate data from multiple levels
 - The higher the level, the more options for the variables available
- Example, enrollment is collected at the state, district and school levels so to create a state-level table, select the following
 - Enrollment from the state-level file
 - Aggregate data from the district-level file
 - Aggregate data from the school-level file

tableGenerator: Steps (Continued)

Step 3 – Select Variables (Continued)

- Data source is included in the variable name



tableGenerator: Steps (Continued)

Step 4 – Choosing Filters

- After selecting the variables, filters (if any) can also be added
- Click on “Select Filters” below the variable list to add variable filters



tableGenerator: Steps (Continued)

Step 5 – Create Table

- Once filters are selected, click on Create Table
 - The table should take less than two minutes to run
 - If it times out, select fewer variables

The screenshot shows the EISi tableGenerator interface. At the top, there is a header with the logo, navigation links for 'Help/Tutorial' and 'About the Data', a 'Table ID' input field with a 'Go' button, and an 'EISi Options' dropdown menu. Below the header, it displays 'Table Generator Results' with a 'Total result count: 51 (Displaying 1 - 51)'. Action buttons for 'Modify', 'Save', 'Export Excel', and 'Export CSV' are visible. A link to 'Show Filters Applied To This Table' and a 'View glossary of your selected data columns' link are also present. A 'Group Table Results By:' dropdown is set to 'State Name'. The main table has the following columns: State Name, Total Students [State] 2012-13, Total Students (UG, PK-12) [District] 2012-13, Ungraded Students [District] 2012-13, and Total [Public] 2012-13. The first row of data is for ALABAMA, showing 744,637 total students, 744,548 ungraded students, and 199 total public students.

State Name	Total Students [State] 2012-13	Total Students (UG, PK-12) [District] 2012-13	Ungraded Students [District] 2012-13	Total [Public] 2012-13
ALABAMA	744,637	744,548		199
ALASKA	131,489	131,489		
ARIZONA	1,089,384	1,089,337		199
ARKANSAS	486,157	486,157		335
CALIFORNIA	6,299,451	6,224,066	6,839	

tableGenerator: Tips

- If changes to the table are needed, click the Modify button above the table
- Click the Save button to create a table ID
 - The table ID can be entered at the top of the tool to pull up the specific table to be created
- The table can be exported into Excel or CSV using the buttons above the table

The screenshot shows the EISi tableGenerator interface with a different table. The header is similar to the previous slide. It shows 'Table Generator Results' with a 'Total result count: 18414 (Displaying 1 - 100)'. The 'Modify' button is highlighted with a red box. Below the header, there is a 'Go To Page: 1 of 185' and a 'Next Page' button. A link to 'Show Filters Applied To This Table' and a 'View glossary of your selected data columns' link are also present. The table has the following columns: Agency Name, State Name [District] Latest available year, Total Students (UG, PK-12) [District] 2012-13, and Total Stude [UG, PK-1] [District] 2012-13. The first row of data is for 100 LEGACY ACADEMY CHARTER SCHOOL in New Jersey, with 355 total students.

Agency Name	State Name [District] Latest available year	Total Students (UG, PK-12) [District] 2012-13	Total Stude [UG, PK-1] [District] 2012-13
100 LEGACY ACADEMY CHARTER SCHOOL	New Jersey		355

Summary and Resources

Summary

- Described the EISi data tool
- Discussed the advantages and disadvantages for using EISi
- Demonstrated how to use EISi

Resources

- [Elementary/Secondary Information System \(EISi\)](#)
- [National Center for Education Statistics \(NCES\)](#)
- [Common Core of Data \(CCD\)](#)
- [quickFacts](#)
- [expressTables](#)
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