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**BENCHMARK **  
**ASSESSMENTS**  
**Early Literacy & Mathematics**

2017 Michigan  
**Guide to Reports**

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September 7, 2017

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## Section 1: Introduction

### What's in this Guide?

This guide is intended to help educators understand and use the results from the Spring 2017 Early Literacy and Mathematics Benchmark Assessments. Reports available for this assessment include student level and aggregate level data reports.

Student level reports provide individual student level performance data. The Individual Student Report, Student Roster Report and Domain Analysis Report provide data at the individual student level.

Aggregate level reports provide performance data based on groups of students—groups by grade, by school, by district, ISD, and state. The aggregate level reports are the Demographic Report, and Fall to Spring Change Report.

Detailed descriptions of each report can be found in Section 4 of this guide.

Also included in this guide are the following sections:

- **Section 2** provides information on item types and how scores are reported
- **Section 3** explains how to access reports
- **Section 4** provides detailed descriptions of each report
- **Section 5** includes additional resources, both for additional information regarding sources of assessment results as well as general information regarding assessments. Users are encouraged to review these additional resources for further information on statewide assessment reporting
- **Section 6** provides contact information

### Family Educational Rights and Privacy Act (FERPA)

Reports that provide student level data include federally protected student data. It is imperative that report users understand the sensitive and confidential nature of the data presented on Early Literacy and Mathematics Benchmark reports and comply with all [Family Educational Rights and Privacy Act](https://www2.ed.gov/policy/gen/guid/fpco/ferpa/index.html) (https://www2.ed.gov/policy/gen/guid/fpco/ferpa/index.html) regulations.

### Invalid and Warning Tests

Invalid	Warning
Tests may be flagged as invalid for the following reasons:	Test may be flagged as warning for the following reasons:
Prohibited Behavior	Not Tested in Enrolled Grade
Nonstandard accommodation administered	Missing MSDS Data
Misadministration	

**Note about fall data:** The fall Early Literacy and Mathematics Benchmark Assessment occurs before the official collection of MSDS data. This means that the demographic data such as English Learner (EL), Students with Disabilities (SWD) and Grade level will not display a student's current status if the data has not been entered in MSDS or their status has changed since last year.



## Report Descriptions

Report	Description	Aggregation
Individual Student Report (ISR)	Separated by content area, the ISR provides detailed information on individual students in the Content Summary section, which displays Points Earned out of Points Possible for each Domain in a content area. It also provides Content Details which displays Points Earned out of Points Possible for each assessment category within a content area.	<ul style="list-style-type: none"> <li>• Individual Student</li> </ul>
Student Roster	Separated by content area, the student roster provides a list of students by Points Earned out of Points Possible (Max Points) by grade, content, domains and categories.	<ul style="list-style-type: none"> <li>• Individual Student</li> </ul>
Domain Analysis Report	Separated by content area, the domain report provides a list of selected students divided into three groups based on the number of Points Earned in each domain and content area for the spring test. An additional student list is displayed from the fall test for students who also tested in fall.	<ul style="list-style-type: none"> <li>• Individual Student</li> </ul>
Demographic Report	Provides aggregated raw score data, which displays the average points earned and the percentage of students by percentage of points earned for selected demographic subgroups of students by grade and content.	<ul style="list-style-type: none"> <li>• School</li> <li>• District</li> <li>• ISD</li> <li>• State</li> </ul>
Fall to Spring Change Report	Fall to Spring Change Report provides aggregated raw score data, which displays fall assessment average points earned and spring assessment average points earned. It also displays the percentage of students who had a Decrease, No Change, Increase, and No Change – Earned All Points in points earned on the assessment from fall to spring for demographic subgroups of students by grade and content.	<ul style="list-style-type: none"> <li>• School</li> <li>• District</li> <li>• ISD</li> <li>• State</li> </ul>

## Section 2: Scoring

### Scoring by Item Type

All the processes employed to assess overall student performance begin at the item level. There are two types of items on the Early Literacy and Mathematics Benchmark Assessments: Multiple Choice (MC) items and Technology Enhanced (TE) items.

#### **Technology Enhanced Item Scores**

Technology Enhanced (TE) items are computer-delivered test questions which include specialized interactions that allow students to respond to tasks that go beyond what can be covered in traditional Multiple Choice. TE items usually require students to produce information, as opposed to simply selecting a choice from answer options. The scoring for all Early Literacy and Mathematics Benchmark Assessment TE items is automated like Multiple Choice items, eliminating the need for human scorers. TE item types include the following:

**Drag and Drop**—students can drag pictures or words into boxes or “drop zones” to indicate an answer.

**Choice Interaction**—similar to a multiple-choice items, but the item can have more than four options, and any number of the options can be correct or incorrect.

**Hotspot (Count or Selection)**—graphics are selectable; for Count, students can choose a particular number of hotspots to show their answer; for Selection, students select a specific hotspot to choose their answer.

**Matching Interaction**—an interaction grid that allows the students to select areas of matching between an option in the row with an option in the column.

**Hot Text Highlight (List and Paragraph)**—text is selectable, and once selected, will highlight for the students; for Line, the students can select one or more lines of text to answer the question; Hot text paragraph involves answers embedded within a paragraph(s).

Students select word(s), phrase(s), sentence(s), and/or paragraph(s) according to the instructions in the stem or question.

**Order**—a list of items or sentences that can be arranged by the students in the correct order.





### How Scores are Reported

#### **Raw Scores**

In the fall, the pre-test measures student knowledge of what they will be learning during the whole year. In the spring, data demonstrates what students learned through the school year, based on Michigan Academic Standards, in English language arts (ELA) and mathematics.

In spring, the report will show raw score (Points Earned out of Points Possible) for all students taking the assessment in the spring. If the student also took the assessment in the fall, then reports will display raw scores (Point Earned out of Points Possible) and the Fall to Spring Change columns will be populated.

On the **Individual Student Report**, The Fall to Spring Change column will display one of the following symbols:

-  dark orange downward facing triangle indicating the student has a decrease in points earned from fall to spring
-  light orange circle indicating no change in points earned from fall to spring
-  blue upward facing triangle indicating the student has an increase in points earned
-  a green circle with dot in the center indicating a student has earned all points possible in both fall and spring



## Section 3: The Dynamic Score Reporting System

Early Literacy and Mathematics reports are available to school and district users through the Dynamic Score Reports site which is accessible through the Secure Site. Detailed directions for accessing the Early Literacy and Mathematics reports are documented in the [How to Access and Navigate Michigan's Dynamic Score Reporting Site](#) document, which is located on the [Early Literacy and Mathematics Benchmark Assessments](#) web page ([www.michigan.gov/earlylitandmath](http://www.michigan.gov/earlylitandmath)).

### The Secure Site

The screenshot shows the 'Secure Site' interface for the Michigan Department of Education. At the top, there is a dark blue header with the Michigan state logo and the text 'Secure Site Michigan Department of Education'. Below the header is a navigation bar with tabs for 'Home', 'Security', 'Assessment Registration', 'Student Assessments', 'Reports', 'Accountability', and 'Review Requests'. The main content area is titled 'Secure Site' and includes a message: 'Check the Home page often for updated information and announcements.' with a link to 'Page Instructions'. A 'Search Filter' section contains a 'Due Date' field (with a calendar icon), a 'Test Period' dropdown menu (with 'Select a Test Period' as the current selection), and a 'Test Cycle' dropdown menu (with 'Select a Test Cycle' as the current selection). There are 'Filter' and 'Reset' buttons to the right of the filters. Below the search filters is a 'General Announcements' section with the heading 'Secure Site Documentation and Support' and a 'General Announcement' box containing the text: 'Secure Site documentation and support can be found at [www.michigan.gov/securesitetraining](http://www.michigan.gov/securesitetraining). Watch for new updates to the page!'

Early Literacy and Mathematics reports are available through the [Secure Site](https://baa.state.mi.us/BAASecure) (<https://baa.state.mi.us/BAASecure>). Secure Site access is only available to district and school employees with authorized user roles and permissions granted by their district. You must have a MEIS login in order to access the Secure Site. For instructions on how to obtain a MEIS login, go to [Secure Site Training](#) ([www.michigan.gov/mde/0,4615,7-140-22709\\_57003---,00.html](http://www.michigan.gov/mde/0,4615,7-140-22709_57003---,00.html)) and click "How do I get access to the Secure Site?"

## Features and Functionality

Michigan’s Dynamic Score Reporting Site provides data for a variety of reports. Regardless of the selected report, users will encounter the following components:

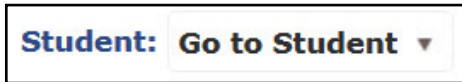
1. **Welcome Page:** Provides detailed directions for accessing the reports based on user role.

**Welcome to Michigan’s Dynamic Score Reporting Site!**

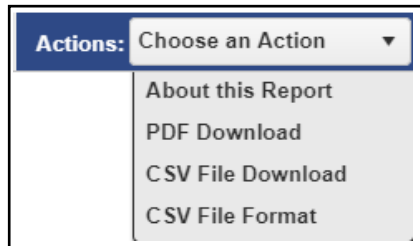
**To access your reports:**

- a) Select a report from the Report dropdown menu above.  
(Note: The page will refresh with available filters in the left margin.)
- b) District users may need to select the desired school to display the report.
- c) Select from the filters on the left margin.
- d) Select the blue Generate Reports button to generate and open the requested report.  
(Note: your filter selections will remain in place until you select different filter options.)

2. **Go to Student Quick Link:** Allows user to jump to a student selected in the Filter Pane.



3. **The Actions button menu:** These options vary depending on the report.



Options in this menu include:

- About This Report - About This Report (ATR) is accessed from the actions menu. This action opens a popup window that displays the information provided by MDE for this report.

- PDF Download - To view a PDF of the report, select “PDF Download”. This will open a PDF document of the reports, according to your selections in the filter area. You can print individual or small groups of reports from this option.

- CSV File Download - Users will have the ability to download the data for the reports that have been generated in a CSV format. The formats of these files can be found by selecting the CSV File Format from the Action menu. Any filters applied by the user will also be applied to data in the CSV file.

- CSV File Format - The CSV File Format (comma-separated values) provides the format the CSV File Download will contain. It will show the excel column, field name, description, field type, and format.

4. **Filtering:** The selected report body contains results of the filtered input.

**Individual Student Report**  
Year: Spring 2017 | Assessment: Early Literacy and Mathematics Benchmark | ISD Code: 00000 | ISD Name: ABC ISD | District Code: 00000 | District Name: ABC Public Schools | School Code: 00000 | School Name: ABC School | Reporting Code: None

**DOE, JOHN A | Grade 01 | Mathematics**

UIC: 0000000000 Student ID: Gender: M DOB: 00/00/0000 Ethnicity: White Student with Disability: N English Learner: N Formerly LEP: N Designated Supports: N

**Mathematics Summary**

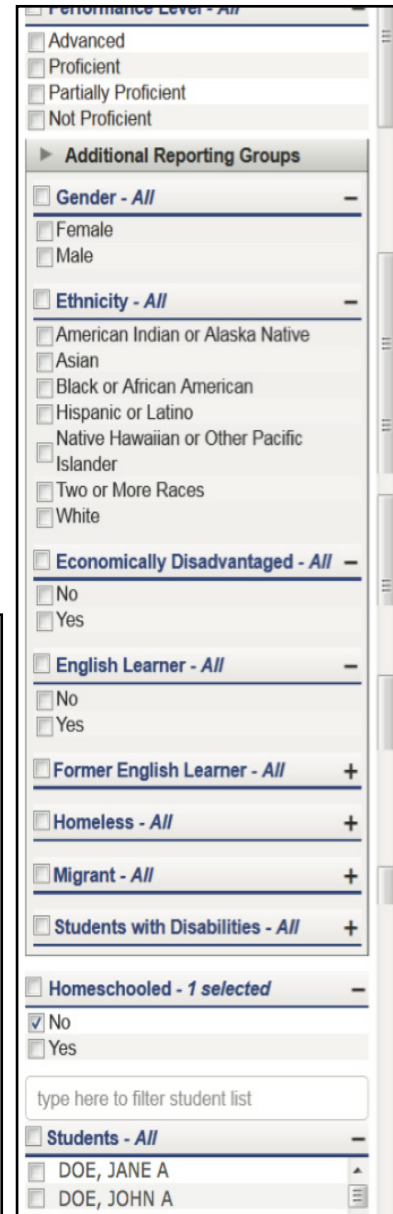
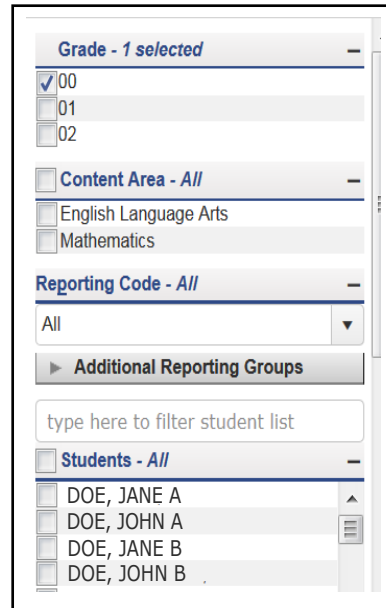
Domains	Fall 2016	Spring 2017	Fall 2016 to Spring 2017 Change
	Points Earned / Points Possible	Points Earned / Points Possible	
Operations and Algebraic Thinking	7/13	12/13	▲
Number and Operations in Base Ten	3/9	9/9	▲
Measurement and Data	6/7	5/7	▼
Geometry	3/5	4/5	▲
<b>Total</b>	<b>19/34</b>	<b>30/34</b>	▲

▼ Points Earned Decrease    ● No Change in Points Earned    ▲ Points Earned Increase    ● Earned All Points Possible on Fall 2016 & Spring 2017 Tests



**Filter Pane:** This section allows the user to filter by grade, content area, reporting code, and individual students. This pane also allows the user to generate reports. The Student filter has a predictive search feature. Users type student name(s) into the search bar to filter. The options available in the Filter Pane vary depending on the report. Filter options may include:

- Student Population
- Grade
- Content
- Reporting Code
- Additional Reporting Groups Area:
  - Gender
  - Ethnicity
  - Economically Disadvantaged
  - English Learner
  - Former English Learner
  - Homeless
  - Migrant
  - Students with Disabilities
  - Homeschooled
- Students



## What's New!

**New features have been added to the Dynamic Score Reports for 2017:**

**Drill Down:** Users can drill-down from the School Demographic Report to open a Student Roster report which includes students from the selected group, and from the Student Roster to the Individual Student Report for the selected student. The Drill Down feature is discussed in more detail in the Demographic and Student Roster Report descriptions.

**Actions Button:** The Actions Button is a drop-down menu that includes all of the options for each report. The options appear after a report is generated, and are based on the selected report. See each report section for information about which options are available for each report.

**Cover Page:** Individual-level student reports now include a cover page. The cover page includes entity information, a list of filters that were applied when the reports were printed, the total number of pages, and the date and time the report was generated. Each page also includes page numbers

**New Filters:** Many new filters are available in the 2017 reports. See each report section for the filters available in each report.

**CSV Files:** CSV files are available for the aggregate reports and the Student Roster Report. They are found under the Actions Button on each report. More information is available about the CSV files in the report sections, and in the CSV File section of this document.





## Section 4: Reports

### Student Level Data Reports

#### Individual Student Report

The Individual Student Report (ISR) (right) provides information about student performance by content area. Each student will have a separate ISR for each content assessed. The report is divided into three main sections:

- 1 Student demographic information
- 2 Content Summary — the Content Summary section displays Points Earned out of Points Possible for each domain in a content area
- 3 Content Details — the Content Details section displays Points Earned out of Points Possible for each assessment category within a content area

Individual Student Report			
Year: Spring 2017   Assessment: Early Literacy and Mathematics Benchmark   ISD Code: 00000   ISD Name: ABC ISD   District Code: 00000   District Name: ABC Public Schools   School Code: 00000   School Name: ABC School   Reporting Code: None			
DOE, JOHN A   Grade 01   Mathematics			
UIC: 0000000000 Student ID: Gender: M DOB: 00/00/0000 Ethnicity: White Student with Disability: N English Learner: N Formerly LEP: N Designated Supports: N			
Mathematics Summary			
Domains	Fall 2016	Spring 2017	Fall 2016 to Spring 2017 Change
	Points Earned / Points Possible	Points Earned / Points Possible	
Operations and Algebraic Thinking	7/13	12/13	▲
Number and Operations in Base Ten	3/9	9/9	▲
Measurement and Data	6/7	5/7	▼
Geometry	3/5	4/5	▲
<b>Total</b>	<b>19/34</b>	<b>30/34</b>	▲

▼ Points Earned Decrease    ● No Change in Points Earned    ▲ Points Earned Increase    ● Earned All Points Possible on Fall 2016 & Spring 2017 Tests

English Language Arts Details			
Assessment Categories	Brief Descriptions of Academic Standards	Fall 2016	Spring 2017
		Score	Score
Reading Literary Text		4/6	4/6
Key Ideas and Details	Understand key details; retell stories (inc. central message); describe characters/setting/events.	4/5	3/4
Craft and Structure	Identify sensory words/phrases and narrator of a literary text; identify literary text types.	0/0	1/1
Integration of Knowledge and Ideas	Use graphics to describe story elements; compare/contrast character experiences in literary text.	0/1	0/1
Reading Informational Text		3/6	5/6
Key Ideas and Details	Understand key details; retell text (inc. central message); describe connections in informational text.	1/2	2/3
Craft and Structure	Determine word/phrase meaning; know/use text features; distinguish between text/graphic information.	2/2	1/1
Integration of Knowledge and Ideas	Use graphics to describe ideas; identify text support; identify similarities/diff. between texts.	0/2	2/2
Reading Foundational Skills		9/9	9/9
Print Concepts	Demonstrate understanding of the organization/features of print. Recognize features of a sentence.	2/2	2/2
Phonological Awareness	Demonstrate understanding of spoken words, syllables, and sounds	3/3	3/3
Phonics and Word Recognition	Know and apply gradelevel phonics and word analysis skills in decoding words.	4/4	4/4
Writing		3/6	6/6
Text Types and Purposes	Know and use elements of writing opinion, informative, and narrative texts.	2/4	4/4
Production and Distribution of Writing	Use revision process to improve writing (focus on topic and add details).	1/2	2/2
Language		8/9	8/9
Conventions of Standard English	Demonstrate command of the conventions of standard English grammar and usage when writing.	7/8	7/8







## Student Demographic Information

This section provides identifying information about the student including name, grade, Unique Identification Code (UIC), and, if provided by the school, the district student ID, gender, date of birth, and race/ethnicity. The report will indicate if the student has been marked as a Student with Disability, English learner, and Former English Learner in the Michigan Student Data System (MSDS). Additionally, the report will indicate if the student has been assigned designated supports.

**Note about fall data:** The fall Early Literacy and Mathematics Benchmark Assessment occurs before the official collection of MSDS data.

## Content Summary

In spring, the report will show Spring Points Earned out of Points Possible for all students taking the assessment in the spring. If the student also took the assessment in the fall, then the Fall Points Earned/Points Possible and the Fall to Spring Change will be populated. If the student did not take the assessment in the fall these columns will be blank. The Fall to Spring Change will display one of the following symbols:

-  a blue upward facing triangle indicating the student has an increase in points earned
-  an orange downward facing triangle indicating the student has a decrease in points earned from fall to spring
-  a yellow circle indicating no change in points earned from fall to spring
-  a green circle indicating a student has earned all points possible in both fall and spring

## Content Details

Raw scores—that is points earned out of total points possible—are reported for each category in the spring assessment. In the spring report, if a student has results from both fall and spring, results from both tests will be displayed.

**Please note:** Many of the categories have a small number of items.

## Functionality

### Filters

The list of students displayed for the Individual Student Report can be customized using the following filters:

- Grade
- Content Area - The content filter defaults to all
- Reporting Code - If the school has chosen to assign reporting codes to students, then students may be filtered on the available reporting codes
- Additional Reporting Groups - Additional Reporting Groups default to all. The Additional Reporting Groups filters dynamically update based on other filters selected. The available filters displayed in the Additional Reporting Groups may include:
  - Gender
  - Ethnicity
  - Economically Disadvantaged
  - English Learner
  - Former English Learner
  - Homeless
  - Migrant
  - Students with Disabilities
  - Homeschooled
- Students

### Actions Menu

The “Actions” button appears after the report is generated, and contains the following options for the Individual Student Report:

- About This Report
- PDF Download

**About the Data**

- Raw scores (Points Earned/Points Possible) are reported for each domain and assessed content category in ELA and math.
- Individual Student Reports marked as “Invalid” will display student scores and will provide the reason it is considered invalid.

**Data Definitions**

- Domains: used to organize assessment categories
- Assessment Categories: a grouping of related standards
- Raw Score: Points Earned/Points Possible
- Brief Description of Academic Standards: provide an abbreviated description of the content standards
- Tested in Enrolled Grade: student is tested in the grade level that is reported in MSDS.



## Student Roster

The Early Literacy and Mathematics Benchmark Assessment Student Roster allows users to view student Points Earned out of Points Possible (Max Points) by grade, content, domains and categories.

### Report Layout

The report is divided into two main sections:

- 1** An alphabetical listing of the selected students
- 2** Points Earned by domain and assessment category in a table format

## Selected Students

The total of students (total) selected is displayed. Students are displayed in ascending alphabetical order by last name, then first name based on the selected filters. The sort sequence may be changed to sort in descending alphabetical order. The following data is displayed in the hover icon **i**:

1. Date of Birth (DOB)
2. Unique Identification Code (UIC)
3. The hover icon will display as, **R** indicating there was an issue that flagged this student's test as warning or invalid. Review these scores carefully. The hover will display the reason such as Prohibited Behavior, Misadministration, and Not Tested in Enrolled Grade. The scores for the student will still be displayed.

Year: 2017 | Assessment: Early Literacy and Mathematics Benchmark Spring 2017 | ISD Code: 00000 | ISD Name: ABC ISD | District Code: 00000 | District Name: ABC Public Schools | School Code: 00000 | School Name: ABC School | Reporting Code: All

### Early Literacy and Mathematics Benchmark Spring 2017

#### Student Roster | ABC School | Grade 01 English Language Arts

	Reading Literary Text				Reading Informational Text				Reading Foundational Skills				Writing			Language			
	Key Ideas and Details	Craft and Structure	Integration of Knowledge and Ideas	Subtotal	Key Ideas and Details	Craft and Structure	Integration of Knowledge and Ideas	Subtotal	Print Concepts	Phonological Awareness	Phonics and Word Recognition	Subtotal	Text Types and Purposes	Production and Distribution of Writing	Subtotal	Conventions of Standard English	Vocabulary Acquisition and Use	Subtotal	Total
<b>1</b> Students ▼ (Total = 21)																			
<b>Max Points</b>	4	1	1	6	3	1	2	6	2	3	4	9	4	2	6	8	1	9	36
DOE, JANE A <b>i</b>	4	1	1	6	2	1	1	4	1	1	4	6	1	1	2	6	1	7	25
DOE, JOHN A <b>R</b>	2	1	1	4	2	1	2	5	2	2	4	8	4	0	4	7	1	8	29
DOE, JANE B <b>i</b>	4	1	1	6	3	1	2	6	2	3	4	9	4	2	6	8	1	9	36

## Overall Content Performance (Table Format)

For each displayed student, Points Earned by assessment category, domain subtotal and overall content total are displayed. Points Earned by domain subtotal and overall content total are sortable. The table below shows the domains for each content.

## Functionality

### Sorting

The default for this report displays students in ascending alphabetical order by last name, then first name. The sort sequence may be changed to sort in descending alphabetical order. Domain subtotals and overall content total are also sortable in either ascending or descending of the raw score.

### Drill Down

The drill-down feature enables the user to select the student name on the Student Roster Report to open an Individual Student Report. After a user has selected a student name to drill down into the Individual Student Report and the Individual Student Report displays, a breadcrumb area appears below the ISD/District/School entity information that displays 'Student Roster Report – Individual Student Report'. Each report name in the breadcrumb is an active link. To return to the Student Roster Report, the user selects 'Student Roster Report'.

### Filters

The list of students displayed on the Student Roster Report can be customized using the following filters:

- Grade - Only one grade can be selected at a time
- Content Area - The content filter defaults to all
- Reporting Code - If the school has chosen to assign reporting codes to students, then students may be filtered on the available reporting codes
- Additional Reporting Groups - Additional Reporting Groups default to all. The available filters in the Additional Reporting Groups include:
  - Gender
  - Ethnicity

- Economically Disadvantaged
- English Learner
- Former English Learner
- Homeless
- Migrant
- Students with Disabilities
- Tested in Enrolled Grade
- Designated Supports
- Students

### Action Menu

The "Actions" button appears after the report is generated, and contains the following options for the Student Roster:

- About this Report
- PDF Download
- CSV File Download
- CSV File Format

### About the Data

- The Student Roster is a list of students with Points Earned represented for selected students by grade and content.
- The Student Roster report excludes homeschooled students.
- All "Invalid" student scores will be displayed on the Student Roster. Since this test is not used for accountability, any invalid student scores will be displayed with a note providing the reason it is considered invalid in the hover icon.

### Data Definitions

- Domains: used to organize assessment categories
- Assessment Categories: a grouping of related standards
- Raw Score: Points Earned/Points Possible
- Brief Description of Academic Standards: provide an abbreviated description of the content standards
- Tested in Enrolled Grade: student is tested in the grade level that is reported in MSDS.



## Domain Analysis Report

The Early Literacy and Mathematics Benchmark Assessment Domain Analysis Report allows users to view a list of selected students divided into three groups based on the number of Points Earned in each domain and content area for the spring test. An additional student list is displayed from the fall test for students in grades one and two who also tested in the fall. The heading shows Points Earned (out of X Points Possible). Below the heading, the report shows the range of Points Earned for the three groups. Users can select data by overall content area (English Language Arts or Mathematics) and/or by selected content domains.

### Report Layout

The report is divided into two main sections:

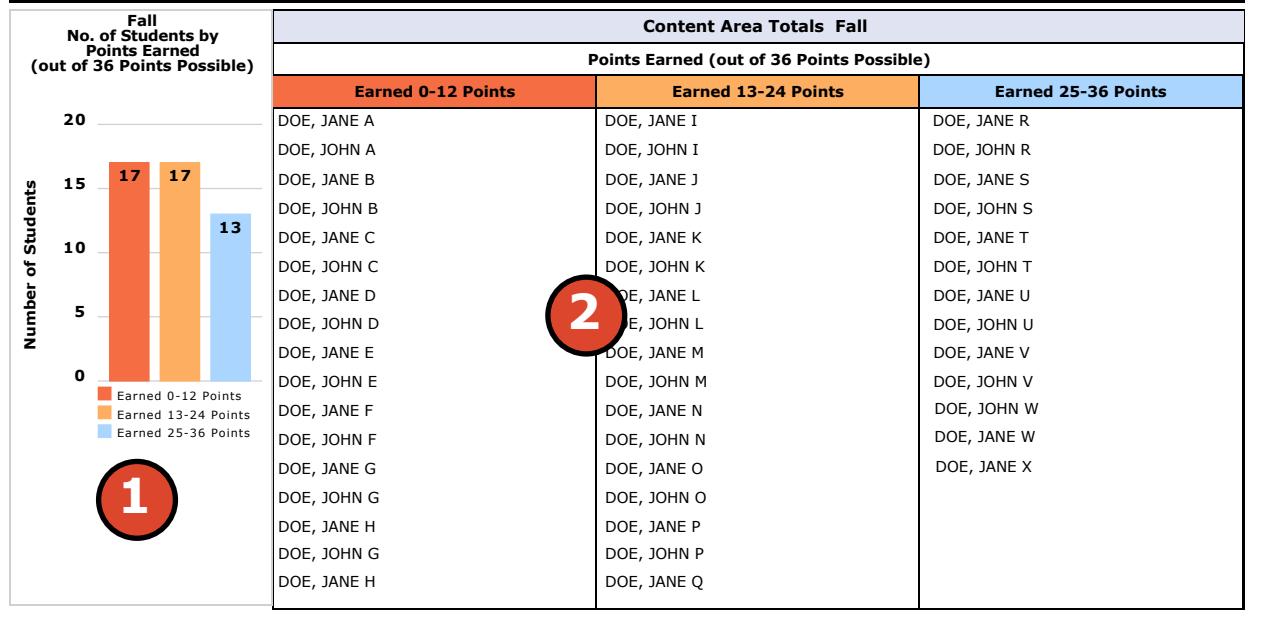
- 1** Domain performance graph showing the number of students in each of the three groups.
- 2** Domain performance table providing a list of students divided into three groups based on Points Earned in each domain or content area total.

### Domain Performance Graph

The title of the graph displays the test period (fall/spring) and the number of students in each of the three groups based on points earned out of points possible for the domain or content area total. The key shows how the groups are divided.

## Domain Analysis Report

Year: Fall 2017 | Assessment: Early Literacy and Mathematics Benchmark | ISD Code: 00000 | ISD Name: ABC ISD | District Code: 00000 | District Name: ABC Public Schools District | School Code: 00000 | School Name: ABC School | Reporting Code: All  
**Grade 01 | English Language Arts | Fall 2017**



### Domain Performance (Table Format)

The first column of the Domain Performance table displays the domain or content area total information for the report followed by "Fall" or "Spring." The list of students is divided into three groups based on points earned for the domain or content area. For students who tested in both fall and spring, the report displays a panel that lists students according to points earned in the fall, and another panel below that lists students according to points earned in the spring.

**Functionality  
Highlighting**

Each student name is selectable. When a student name is selected, the name is highlighted.

- Names are highlighted in gray if the student has valid scores in one test cycle (fall or spring).
- Names are highlighted in yellow if the student has valid scores in both fall and spring. Users can view the student’s score in both fall and spring panels for the selected domain or content area to view points earned for the student in both test cycles.

**Filtering**

The list of students displayed on the Domain Analysis Report can be customized using the following filters:

- Grade - Only one grade can be selected at a time
- Content Area - Only one content area can be selected at a time
- Domain- Defaults to all domains in the selected content area, however users can select any combination of domains

English Language Arts Domains	Mathematics Domains
Reading — Literary Text	Counting and Cardinality (Kindergarten only)
Reading — Informational Text	Operations and Algebraic Thinking
Reading — Foundational Skills	Number and Operations in Base Ten
Writing	Measurement and Data
Language	Geometry
Content Area Total	Content Area Total

- Additional Reporting Groups- Additional Reporting Groups default to all. The available filters in the Additional Reporting Groups include:
  - Gender
  - Ethnicity
  - Economically Disadvantaged
  - English Learner
  - Former English Learner
  - Homeless
  - Migrant
  - Students with Disabilities
  - Designated Supports
- Students- The students filter has a predictive search feature: As user enters letters the list of students shortens

**Action Menu**

The “Actions” button appears after the report is generated, and contains the following options for the Student Roster:

- About this Report
- PDF Download
- CSV File Download
- CSV File Format

**About the Data**

- The Domain Analysis report displays a student list divided into three groups based on Points Earned out of Points Possible for a domain or content area for the selected students.
- The Domain Analysis report excludes homeschooled students.
- The Domain Analysis report does not display students whose tests are marked Prohibited Behavior or Misadministration.

**Data Definitions**

- Domains: used to organize assessment categories
- Assessment Categories: a grouping of related standards
- Raw Score: Points Earned/Points Possible



- **Brief Description of Academic Standards:** provide an abbreviated description of the content standards
- **Tested in Enrolled Grade:** student is tested in the grade level reported in MSDS.
- **Designated Support:** an assessment support made available to a student based on individual student need (Text-to-Speech for grade 2 is currently the only embedded designated support available)

After the user selects a grade to view, all tested content for that grade is displayed sequentially in alphabetical order. The report is divided into two main sections:

- 1 Graphical display of the Percentage of Students by Percentage of Points Earned for all students in the requested Student Population compared to a selected subgroup
- 2 Performance data for each demographic subgroup in table format

## Aggregate Data Reports

### Demographic Report

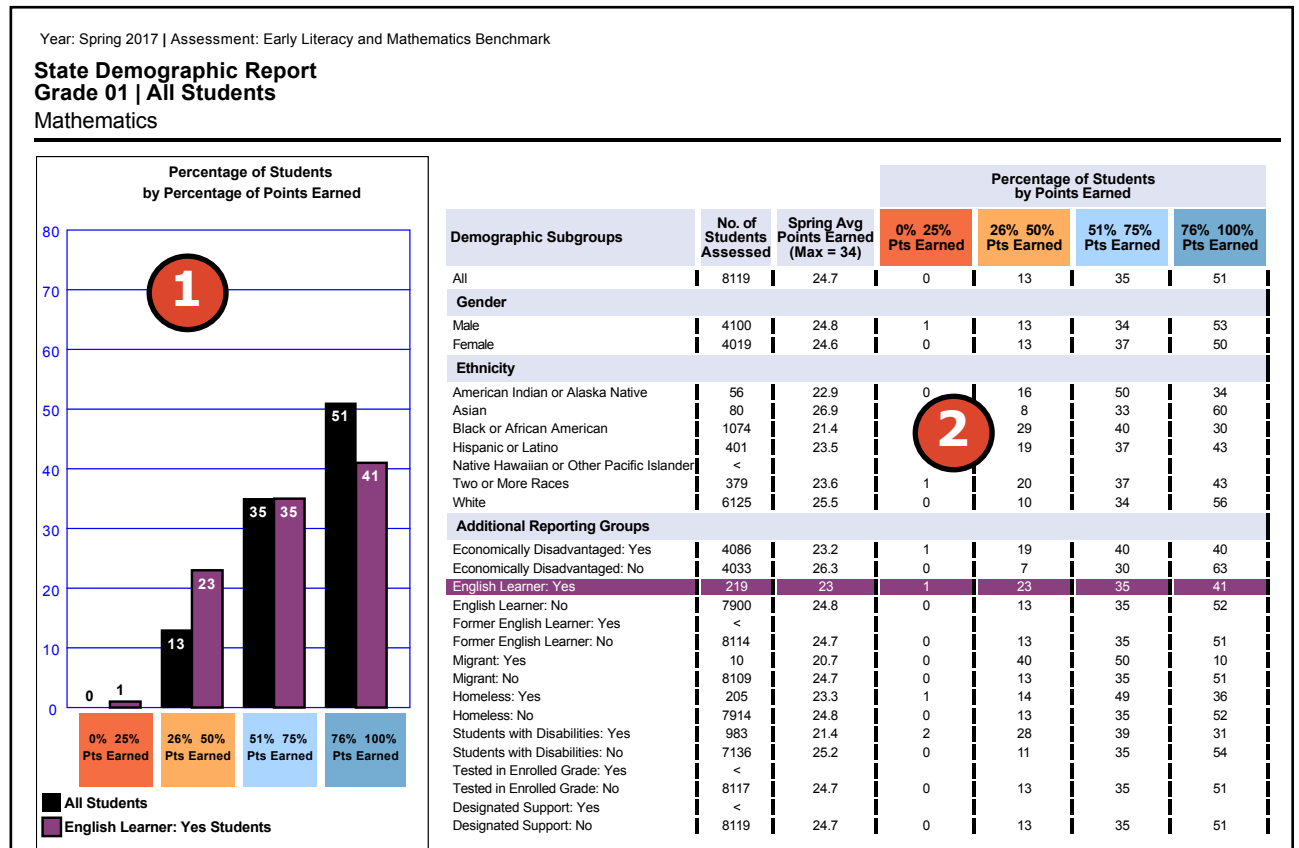
The Demographic Report (next page) provides a comparison of students by grade and content, aggregated across selected demographic groups, showing the average points earned and the percentage of students by percentage of points earned. The Demographic Report is available at the School, District, ISD, and State levels.

The population of students to be displayed may be selected by the user. Users may select from the following student populations:

**All Students**—this is the default

**All Except Students with Disabilities**—students who are not marked Special Education in the Michigan Student Data System (MSDS) at the time of testing

**Students with Disabilities**—students who are marked Special Education in MSDS at the time of testing





**Graphical Display**

- **All students** in the selected student population, grade, and content area are displayed in a bar graph based on the percentage of points earned. The legend beneath the graph provides percentage of points earned ranges.
- **Demographic subgroup**- The user may select a demographic subgroup in the demographic table to compare against the overall student population. The selected demographic subgroup will be highlighted and a double bar graph of the performance level percentages will display next to the overall student population.

**Performance Data Table**

Performance data, including the number of students assessed, average points earned, and percentages of students in ranges – based on percentage of points earned – are displayed for demographic subgroups in a table. The demographic subgroups reported are:

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>• Gender                     <ul style="list-style-type: none"> <li>- Male</li> <li>- Female</li> </ul> </li> <li>• Ethnicity                     <ul style="list-style-type: none"> <li>- American Indian or Alaska Native</li> <li>- Asian</li> <li>- Black or African American</li> <li>- Hispanic or Latino</li> <li>- Native Hawaiian or Other Pacific Islander</li> <li>- Two or More Races</li> <li>- White</li> </ul> </li> </ul> | <ul style="list-style-type: none"> <li>• Additional Reporting Groups                     <ul style="list-style-type: none"> <li>- Economically Disadvantaged: Yes</li> <li>- Economically Disadvantaged: No</li> <li>- English Learner: Yes</li> <li>- English Learner: No</li> <li>- Former English Learner: Yes</li> <li>- Former English Learner: No</li> <li>- Migrant: Yes</li> <li>- Migrant: No</li> <li>- Homeless: Yes</li> <li>- Homeless: No</li> <li>- Students with Disabilities: Yes</li> <li>- Students with Disabilities: No</li> <li>- Tested in Enrolled Grade: Yes</li> <li>- Tested in Enrolled Grade: No</li> <li>- Designated Support: Yes</li> <li>- Designated Support: No</li> </ul> </li> </ul> |
|--|---|

**Functionality**

**Drill Down**

The drill-down feature that enables the user to select the link in the Number of Students Assessed column to open a Student Roster Report which includes the students represented in the aggregated group. When the Number of Students Assessed is zero, the '<' sign is not an active link. Note: In some instances, the number of students displayed may differ between the School Demographic Report and the generated Student Roster Report. This is because the Demographic Report does not include invalid tests, while the Student Roster Report does include invalid tests.

After a user has selected the link to drill down into the represented aggregate group, a breadcrumb area appears below the ISD/District/School entity information, that displays 'Demographic Report – School > Student Roster'. Each report name in the breadcrumb is an active link. To return to the School Demographic Report, the user selects 'Demographic Report – School'.

The Drill Down feature is not available on the State, ISD, or District level Demographic Reports.

**Action Menu**

The "Actions" button appears after the report is generated, and contains the following options for the Student Roster:

- About this Report
- PDF Download
- CSV File Download
- CSV File Format



## Fall to Spring Change Report

The Early Literacy and Mathematics Benchmark Assessment Fall to Spring Change Report provides aggregated raw score data, which displays fall assessment average points earned and spring assessment average points earned. It also displays the percentage of students who had a Decrease, No Change, Increase, and No Change – Earned All Points from fall to spring for demographic subgroups of students by grade and content. The Fall to Spring Change Report is available at the School, District, ISD, and State levels.

The **Student Population** to be displayed may be selected by the user. Users may select from the following student populations:

**All Students** – this is the default

**All Except Students with Disabilities** – students who are not identified as Special Education in the Michigan Student Data System (MSDS) at the time of testing

**Students with Disabilities** – students who are identified as Special Education in MSDS at the time of testing

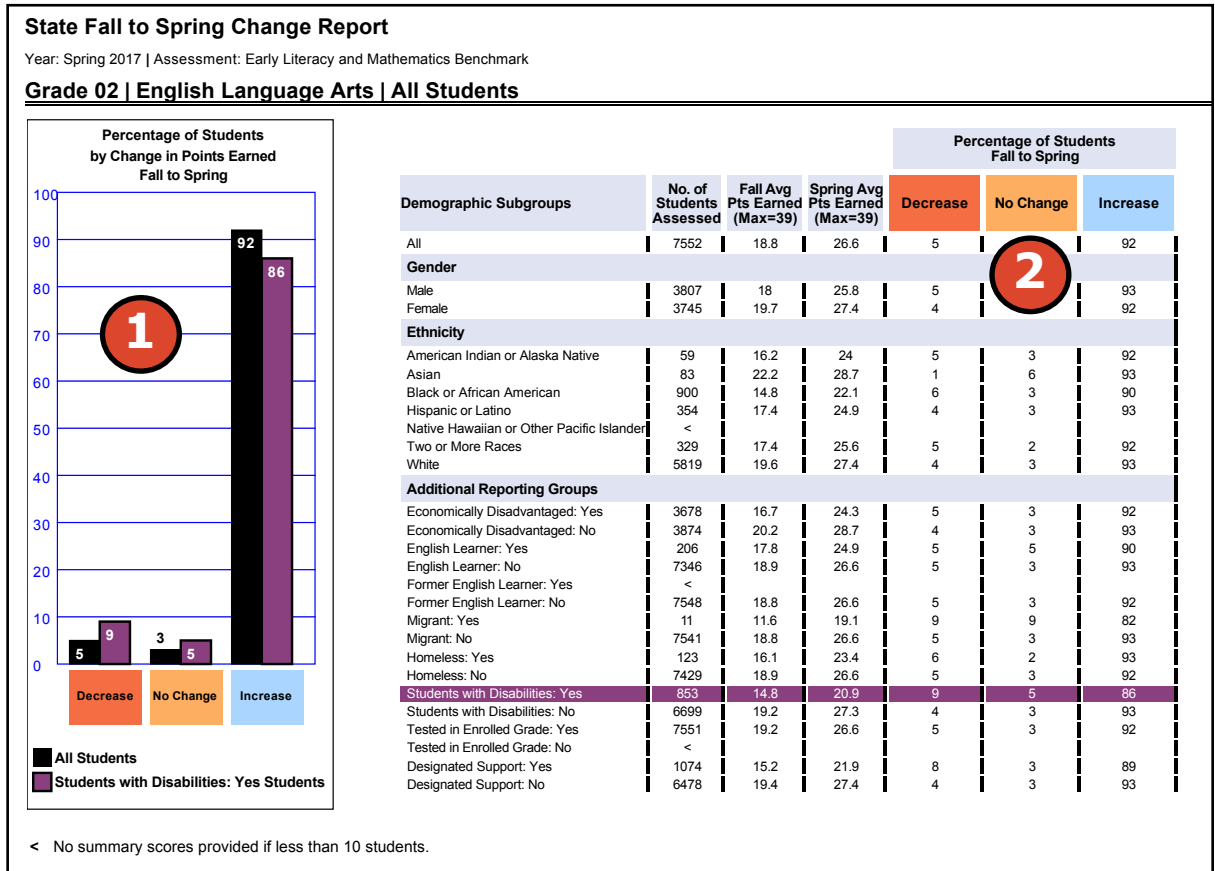
The **Grade** of students to be displayed must be selected by the user. The grade defaults to the lowest grade. Only one grade may be selected at a time.

The **Content Area** defaults to all. The user can change the content area to either English Language Arts or Mathematics.

## Report Layout

The report is divided into two main sections:

- 1 Graphical display of the Percentage of Students by Percentage of Points Earned for all students in the requested Student Population compared to a selected subgroup
- 2 A table that displays the percentage of students who had a Decrease, No Change, Increase, and No Change – Earned All Points from fall to spring



## Graphical Display

All students in the selected student population, grade, and content area are displayed in a bar graph based the change in points earned from fall to spring. The legend beneath the graph indicates a Decrease, No Change, Increase, and No Change – Earned All Points from fall and spring tests.

- **All students** in the selected student population, grade, and content area are displayed in a bar graph based the change in points earned from fall to spring. The legend beneath the graph indicates a Decrease, No Change, Increase, and No Change – Earned All Points of the Points Possible, from fall and spring tests.
- **Demographic Subgroup** - The user may select a demographic subgroup in the Fall to Spring Change table to compare against the overall student population. The selected demographic subgroup will be highlighted, and a double bar graph displaying the percentages of students with a Decrease, No Change, Increase, and No Change – Earned All Points displays next to the overall student population.

## Data Table

Performance data table, including the number of students assessed, fall average points earned, spring average points earned, and percentages of students with a Decrease, No Change, Increase, and No Change – Earned All Points from fall and spring are displayed for demographic subgroups in a table. The demographic subgroups reported are:

- Gender
  - Male
  - Female

- Ethnicity
  - American Indian or Alaska Native
  - Asian
  - Black or African American
  - Hispanic or Latino
  - Native Hawaiian or Other Pacific Islander
  - Two or More Races
  - White
- Additional Reporting Groups
  - Economically Disadvantaged: Yes
  - Economically Disadvantaged: No
  - English Learner: Yes
  - English Learner: No
  - Former English Learner: Yes
  - Former English Learner: No
  - Migrant: Yes
  - Migrant: No
  - Homeless: Yes
  - Homeless: No
  - Students with Disabilities: Yes
  - Students with Disabilities: No
  - Tested in Enrolled Grade: Yes
  - Tested in Enrolled Grade: No
  - Designated Support: Yes
  - Designated Support: No



## Student Data File

The Student Data File contains detailed individual student data in an excel file. This data includes school information, student demographic data, test administration data, and student performance data. Student Data Files are available on the [MDE Secure Site](http://www.michigan.gov/baa-secure) (www.michigan.gov/baa-secure).

The student data file information includes:

**School information**—student ISD, District, and School Code

**Student Demographic Data**—Includes grade, name, gender, ethnicity, UIC, Date of Birth. Also includes subgroup information including Economically disadvantaged, Special Education, Limited English Proficiency, Migrant status and Homeschooled information.

**Test Administration Data**—Includes valid or invalid test, if invalid, includes reason for invalidation of the test, also includes whether student received accommodations.

**Student Performance Data**—Includes Raw score data for ELA and Math.

The Student Data File is provided for schools to use as a data resource for school or district level data reviews. Schools or districts can use the Student Data File to manipulate and evaluate data in ways that support School Improvement goals or other data-based-decision making purposes.

Excel Column	Field	Descriptor	Field Type (length)	Format
A	TestCycle	Early Literacy and Mathematics test period and fiscal year	text(20)	
B	ISDCode	ISD code number	varchar(5)	99999
C	DistrictCode	District code number	varchar(5)	99999
D	SchoolCode	School code number	varchar(5)	99999
E	FeederSchoolCode	Prior school number that student attended	varchar(5)	99999
F	Grade	Student grade	varchar(2)	
G	LastName	Student last name	varchar(25)	
H	FirstName	Student first name	varchar(25)	
I	MiddleInitial	Student middle initial	char(1)	
J	Gender	Student's gender M = Male, F = Female	char(1)	

## Section 5: Additional Resources

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### **Additional Sources of Assessment Results**

#### ***BAA Secure Site Data files***

Data files are available for download from the BAA Secure Site Student Test Scores window for authorized school and district users. The [BAA Secure Site](#) can be accessed by authorized users at [www.michigan.gov/baa-secure](http://www.michigan.gov/baa-secure).

- Student Data File—includes individual student test results and performance
- Aggregate Data File—includes aggregated school, district, or ISD assessment results

#### ***General Resources***

General additional resources are available on the [Early Literacy and Mathematics web page](#) ([www.michigan.gov/earlylitandmath](http://www.michigan.gov/earlylitandmath)):

- For instructions on how to obtain access to the Dynamic Reporting Site, go to [Secure Site Training](#) ([www.michigan.gov/mde/0,4615,7-140-22709\\_57003---,00.html](http://www.michigan.gov/mde/0,4615,7-140-22709_57003---,00.html)) and click How do I get access to the Secure Site?
- 2017 Early Literacy and Mathematics Benchmark Test Administration Manual (TAM)
- 2017 Early Literacy and Mathematics Benchmark Student Data File Format
- Spring 2017-2019 Statewide Summative Assessments Calendar
- Online Practice for English Language Arts and Mathematics

Also, be sure to sign up for the Office of Student Assessments' [Spotlight Newsletter](#) ([http://www.michigan.gov/mde/0,4615,7-140-22709\\_70117-280911--,00.html](http://www.michigan.gov/mde/0,4615,7-140-22709_70117-280911--,00.html)) for weekly up-to-date information about Statewide Summative Assessments



## Section 6: Contact Information

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School administrators, teachers, and counselors should become familiar with the report layouts and information contained in this document. If you have questions after reviewing this Guide to reports, or need additional information about Early Literacy and Mathematics Benchmark Assessment administration procedures, content, scheduling, appropriate assessment of or accommodations for students with disabilities or English Learners (ELs), please contact the Michigan Department of Education Office of Educational Assessment and Accountability, using the contact information listed below:

**Division of Educator, Student, and School Supports**

**Andrew Middlestead**, Director, Office of Educational Assessments and Accountability

**Katherine Cermak**, Manager, Test Administration and Reporting

**Tim Tahaney**, Test Administration and Reporting

**Linda Howley**, Manager, Test Development

**Suzanne Hindman**, ELA Consultant

**Kyle Ward**, Mathematics Consultant

**Julie Murphy**, Consultant

**John Jaquith**, Assessment Consultant for Students with Disabilities

**Jennifer Paul**, Assessment Consultant for English Learners

**Ji Zeng, Ph.D.**, Lead Psychometrician, Psychometrics

**Phone:** 1-877-560-8378, option 3

**Fax:** 517-335-1186

**Website:** [www.michigan.gov/earlylitandmath](http://www.michigan.gov/earlylitandmath)

**E-mail:** [BAA@michigan.gov](mailto:BAA@michigan.gov)