



# Interpretive Guide to M-STEP Preliminary Reports

Spring 2019

March 2019



# Preliminary Student Roster

The Michigan Student Test of Educational Progress (M-STEP) Preliminary Student Roster allows users to view student preliminary scale scores and subscores (claim and/or discipline scores) by content area and grade.

## **NOTE ABOUT PRELIMINARY SCORES and WHY THEY MAY CHANGE FOR FINAL REPORTING**

Scores presented in this report are preliminary and are subject to change. Preliminary scores are calculated using only machine-scored items available at the time the test is submitted. Scale scores and performance data presented in this report should not be taken as a final evaluation of a student's performance. Preliminary scores do not include constructed response (short answer or essay) items.

Each year, MDE creates conversion tables to establish the relations between raw score points and scale scores. For each grade/content combination, the scale scores are comparable across forms and years. Note, however, it is not comparable across grade levels, even for the same content area. For reporting preliminary scale scores, the prior year's final conversion tables are used.

After the testing window closes, MDE calibrates all submitted data (by using valid cases only) to establish the relations between raw score points and scale scores to build the final conversion tables.

In this process, it is possible to find the same raw score points being associated with different scale scores (i.e., when the final conversion table is compared to the corresponding preliminary tables), which may or may not impact performance level cut scores.

The Preliminary Student Roster Report is for school use only and may not be shared with the public. This data should not be used for any high-stakes decisions (e.g. grade or course placement, curricular evaluations, teacher evaluations, etc.).

## **NOTE ABOUT PRELIMINARY MATH SCORES**

Math claims 2 and 4 are combined for final reporting. The combined score is not available for preliminary reporting.

## **NOTE ABOUT THE SCIENCE FIELD TEST**

Science Field Test results are not included on Preliminary reports. Field tests are administered for the purpose of checking out testing procedures and the statistical characteristics of new test items and test forms. They do not provide information on student achievement.

## NOTE ABOUT SCORES MARKED “NOT CURRENTLY REPORTABLE”

There are several reasons why a test may not be reportable at the time of preliminary reporting. In order to ensure that as many tests are scored as possible, please consider the following:

1. A student with incomplete, incorrect, or missing enrollment data in the Michigan Student Data System (MSDS) may not be reportable. Please ensure that the student a) has a UIC; b) is enrolled correctly in MSDS; and c) is enrolled in the correct grade in MSDS.
2. A student whose test is incomplete will not be reportable. In a small number of cases, this may be because a part of the test has not been correctly registered by the testing software yet, in which case the score will appear later. In other cases, the student’s entire test was not completed. For the most meaningful test results, it is suggested that assessment administrators encourage students to attempt to complete the entire test.
3. A student’s test is not reportable if the student a) engaged in prohibited behavior or b) used a nonstandard accommodation.

If reasons for unreportable scores can be resolved, then the score will appear.

## Student Population

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

1. All Students – this is the default
2. All Except Students with Disabilities – students who are not marked Special Education in MSDS at the time of testing
3. Students with Disabilities – students who are marked Special Education in the Michigan Student Data System (MSDS) at the time of testing

## Report Layout

The report is divided into four main sections (example on following page):

- A. An alphabetical listing of the selected students
- B. Overall content performance in a table format
- C. Overall content performance in a graphical format
- D. Subscore performance (claim or discipline scores) in a graphical or table format

The screenshot shows a user interface for selecting student populations. At the top, there are three links: "Expand All", "Collapse All", and "Reset All", followed by a "Generate Reports" button. Below this is a section titled "Student Population" with a plus sign. Underneath, there are three main categories: "All Students" (highlighted in orange), "All Except Students with Disabilities", and "Students with Disabilities". Below these are three sub-sections: "Grade - 1 selected" (with a minus sign), "Content Area - All" (with a minus sign), and "Students - All" (with a plus sign). The "Grade - 1 selected" section has three radio buttons for grades 03, 04, and 05, with 03 selected. The "Content Area - All" section has two radio buttons for "English Language Arts" and "Mathematics". A text input field with the placeholder "Type here to filter student list" is located between the grade and content area sections.

### Preliminary Student Roster Report

Year: 2019 | Assessment: M-STEP | ISD Code: 00000 | ISD Name: Demo ISD | District Code: 00000 | District Name: Demo | School Code: 00000 | School Name: Demo | Report Code: All

Grade 05 | English Language Arts | All Students

[Gray] = Preliminary margin of Error    Most at risk of falling behind    Attention may be indicated    Adequate Progress    \* = Insufficient Data to Report

A Students (Total = 67)	B Preliminary Scale Score ▲	Preliminary Margin of Error	C Preliminary Scale Score		D			
			1203-1299 Below Benchmark	1300-1357 Above Benchmark	Reading	Writing	Listening	Research
Student, Demo A	1307	±5			Attention	Attention	Adequate	Adequate
Student, Demo B	1307	±5			Adequate	Adequate	Adequate	Adequate
Student, Demo C	1307	±5			Adequate	Adequate	Adequate	Attention
Student, Demo D	1307	±5			At Risk	Attention	Attention	Adequate
Student, Demo E	1306	±5			At Risk	Adequate	Attention	Attention
Student, Demo F	1306	±5			Adequate	Adequate	Adequate	Adequate

### Selected Students:

Students in the selected population are displayed in ascending alphabetical order by last name, then first name. The sort sequence may be changed to sort in descending alphabetical order. The following data is displayed in this section:

1. Number of students displayed in the student roster. This represents all students who tested in the selected student population including students with invalid tests.
2. Student Name as last name, first name, middle initial.

The following additional information may be obtained by clicking on the information icon **i**:

1. Unique Identification Code (UIC)
2. Date of Birth (DOB)

**UIC 0000000000 | DOB 11/24/20XX**

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

- Student Population
- Grade
- Content Area
- Students

## Overall Content Performance (Table Format)

For each selected student the following is displayed:

1. Preliminary Scale Score. The scale score is sortable. Sorting by scale score will result in a list of the selected students in order of scale score (ascending or descending depending on sort selection).
2. Preliminary Margin of Error

## Overall Content Performance (Graphical Format)

The performance data for each selected student is also displayed in a graphical format. Color-coded lines indicate the range of scores for above and below the score benchmark. The preliminary scale score is indicated by a vertical line, surrounded by an oval that shows the that shows the preliminary margin of error. In addition, the ranges for above and below the benchmark are provided in the legend.

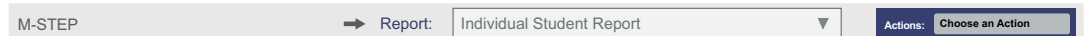
## Content Subscore (Claim or Discipline) Performance

Each claim (for Math and ELA) or discipline (for Social Studies) has one column to the right of the overall content performance area.

- Claim performance indicator will show either:
  1. **Adequate** indicates the student is making adequate progresss
  2. **Attention** indicates attention may be indicated
  3. **At Risk** indicates the student is most at risk of falling behind

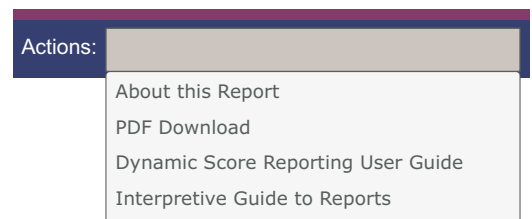
The subscore columns are sortable. Sorting by a subscore will result in a list of the selected students by their preliminary performance status (claims) or by proportion of points earned (disciplines).

## Actions



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

- About this Report
- PDF Download
- Dynamic Score Reporting User Guide
- Interpretive Guide to Reports



## About the Data:

- The Preliminary Student Roster is a list of students with preliminary scale scores represented for a selected student population by grade and content.
- The Preliminary Student Roster includes online test takers only.
- The Preliminary Student Roster does not include Homeschooled students.
- Overall performance is marked on the graphic to indicate the student's preliminary overall performance and preliminary margin of error.
- Each color band of the graphic indicates performance above or below the score benchmark.
- Preliminary Scale Scores have been adjusted to be comparable with scores across different forms of the test.
- Preliminary claim and discipline data provides performance information for claims or disciplines within each subject.
- Grade 8 math and ELA scores are provided by the PSAT 8/9 assessment. These scores are not available for preliminary reporting.
- Grade 11 math and ELA scores are provided by the SAT component of the Michigan Merit Exam (MME). These scores are not available for preliminary reporting.

## Data Definitions:

- **Claim:** Claims are used as a means to organize assessment targets. Claims apply to English language arts and mathematics. Within the claims, assessment targets are used to organize the standards.
- **Claim Performance Indicator:** The claim level symbol is an indicator of a student's performance on an English language arts or mathematics claim. **Adequate** indicates the student is making adequate progress, **Attention** indicates attention may be indicated, and **At Risk** indicates the student is most at risk of falling behind.
- **Discipline:** Disciplines are used as a means to organize content standards and expectations. Disciplines apply to social studies.
- **Margin of Error:** Educational measurements are attempts to capture a student's true score, or ability, in the area being assessed. The margin of error around the student score is an estimate of the range of scores one would expect if the student was to be measured repeatedly with parallel assessments. Because the preliminary score is based on a limited set of items, the margin of error is larger than it would be for final score reporting.

- **Raw Score:** Points earned/points possible. Raw scores are not comparable across different forms of the test.
- **Preliminary Scale Score:** Preliminary scale scores are test scores that have been statistically adjusted to a common scale that allows scores to be compared across different forms of the test.

**Privacy Notice: The Preliminary Student Roster Report contains federally protected student information. This report must be used in accordance with the Family Educational Rights and Privacy Act (FERPA).**