



American Indian Student Achievement Dashboard



Summary

The American Indian Student Achievement (AISA) unit is fully committed to closing the opportunity gap that exists between American Indian (AI) students and their non-Native peers. The AISA unit recognizes the historical factors that contributed to this opportunity gap and will continue to seek out and remove any policies, procedures, or practices that perpetuate institutional inequity. Performance indicators alone inadequately tell the data story of AI student achievement. However, this dashboard plays an important role in presenting AI student participation, achievement, and completion data in Montana while simultaneously illuminating differences in experience compared to their non-Native peers. Various data within this dashboard include AI student counts compared to their non-Native peers based on unique school systems for enrollment, attendance, and behavior, as well as graduation and college and career readiness measure. Assessment data is also provided for each of the major Montana summatives: SBAC, CRT, and ACT. Lastly, student mobility measures are provided based on enrollment counts and unique systems attended for each student.

Central Navigation and Knowledge

	Page Contents	Page Navigation
Map Button	<ul style="list-style-type: none"> -for the selected school year and location, total count of AI students and non-Native students are provided in highlight boxes to the left -interactive map of Montana organizes counts by school system location -hovering over a school system provides student counts by race and school counts for on and off reservation 	<ul style="list-style-type: none"> -slicer menu options: filter by school year and county/district -hovering over the map will populate a Tool Tip for student and school counts -to view counts of students by race over time for a school system, hover over it, right click, hover over 'drill through,' and select 'student counts over time'
Overview Button	<ul style="list-style-type: none"> -bar graph displaying enrollment count for AI and non-Native students by schools with varying rates of AI student population including 0-24, 25-49, 50-74 and 75-100 percent -bar graph comparing non-Native and AI student attendance rates for the selected year(s) -combination graph for behavior event data where the bar graph portion compares behavior count data for AI and non-Native students and the line graph compares total percentage of AI students for the selected location(s) with the percent of AI behavior events 	<ul style="list-style-type: none"> -slicer menu options: filter by year, county/district, location as on or off reservation, AI student population by 0-24, 25-49, 50-74 and 75-100 percent -the enrollment bar graph has a y-axis scale slider; select either end of the adjustable slider to zoom in or out on the scale -all three of the visualizations are interactive and connected, so selecting an element on one will automatically filter the other two to that item -the combination graph for behavior events provides the option to drill down to view each year by on and off reservation data; hover over the graph and select the drill down icon: 

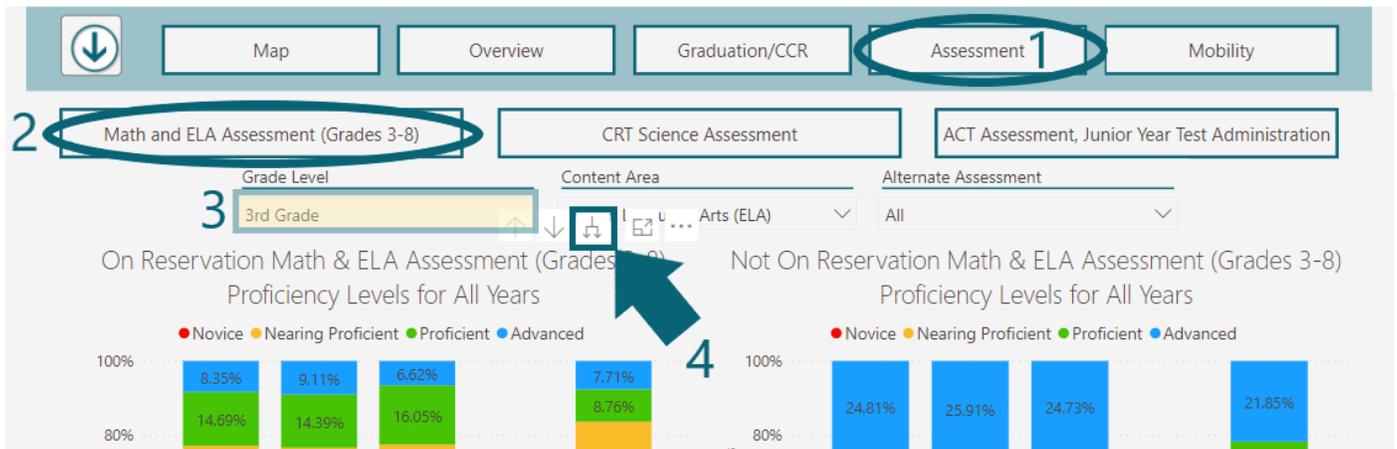
<p>Graduation/CCR Button</p>	<ul style="list-style-type: none"> -bar graph of cohort graduation rates for AI and non-Native students -two bar graphs for college and career ready student counts where one graph displays for AI students and the other for their non-Native peers -the non-Native CCR graph has the ability to drill down to view CCR counts between AI and non-Native students side-by-side 	<ul style="list-style-type: none"> -slicer menu options: filter by year range, county/district, cohort type, location on or off reservation, and AI student population -the default of this dashboard is to view by four year cohort, but fifth year cohort in the menu slicer can be selected to view their graduation data as well -to view AI and non-Native students' CCR counts side-by-side, select the drill down icon on the non-Native CCR bar graph
<p>Assessment Button</p>	<ul style="list-style-type: none"> -three buttons to select assessment type including math and ELA SBAC (grades 3-8), science CRT (grades 4, 8 & 10), and ACT (grade 11) -dropdown to further narrow down the graphs include filters for grade level, content area, and to view the alternative assessment -three bar graphs displaying the proficiency rates for the selected assessment: one for student on-reservation, one graph for students off-reservation, and one for students participating in an ILIP program 	<ul style="list-style-type: none"> -slicer menu options: filter by year range, county/district, location on or off reservation, and by AI student population -each of the graphs can be drilled down further to view by race and AI population; select the drill down icon once to view a graph by AI and non-Native students, select the drill down icon a second time to view a graph by AI population by 0-24, 25-49, 50-74 and 75-100 percent -each of the graphs can also drill down by one level in the hierarchy using the double arrow icon:  this provides averages for each drill down filter for all years selected in the year range
<p>Mobility Button</p>	<ul style="list-style-type: none"> -four donut graphs displaying mobility data of AI and non-Native students for the selected school year - the donut graphs on the left-hand side of the page display counts for AI students, while donut graphs on the right display counts for non-Native students - the two top graphs provide total enrollment counts for the selected year, while the two graphs on the bottom half of the page display counts for unique school systems attended for the selected school year 	<ul style="list-style-type: none"> -slicer menu options: filter by school year, county/district, location on or off reservation, AI student population -an enrollment count refers to any enrollment action including those at the same school (e.g. student drops out and reenrolls in the same school) -a school system attended counts only unique enrollments (e.g. student transfers to another high school in Montana) -to better access the raw mobility counts and rates, transform a donut chart into a table by hovering over the visualization, selecting the ellipses icon, and select 'show as table'

Where to Start

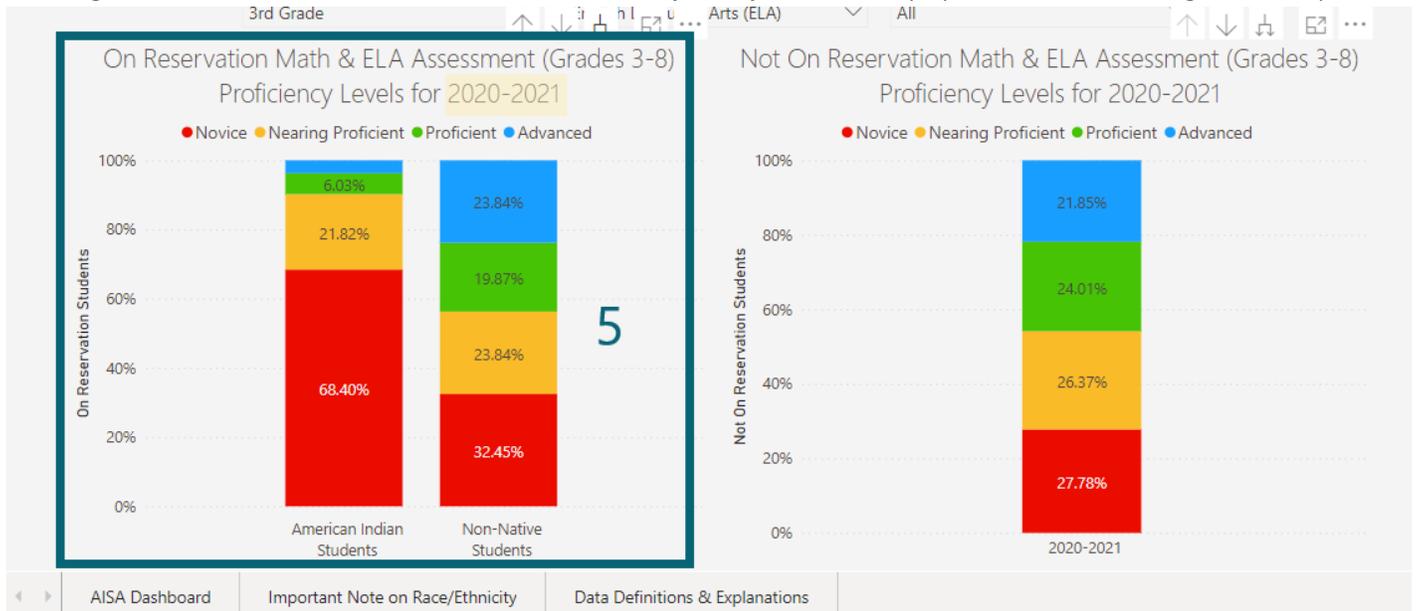
Below you will find two guided walk-throughs for accessing specific data to answer a question. These tutorials are provided based on frequently requested data or commonly asked questions on how to drill down on the Assessment page bar graphs to view the different hierarchies of data.

To drill down on the assessment page proficiency graphs:

Begin by clicking on the Assessment button (1) bringing you to the bar graphs for the various assessment options including SBAC, CRT and ACT. Select the summative assessment of interest and apply any other filters relevant to your inquiry. For this example, the ELA SBAC assessment (2) is selected for 3rd grade students (3) statewide.



The graphs that populate each contain the drill down feature. For example, if you wanted to compare proficiency rates between AI and non-Native students who attend school off reservation, hover over the center graph and then select the drill down icon (4). This displays each year's ELA SBAC data for 3rd grade by the two race groups. Selecting drill down a second time will break out each year by AI student population in four ranges, 0-100 percent.



Or, left-clicking on a bar for a specific year and selecting "drill down" will bring the data to the race comparison for the selected bar's school year (5).

Tips and Tricks

- Hovering over a data point on the map will populate with additional information called a Tool Tip; AI and non-Native student count as well as school count by on and off reservation location is provided. Right clicking a school system and selecting 'drill through' to 'student counts over time' gives longitudinal perspective.
- Several graphs in this dashboard utilize the drill down function; hover over a graph and if the multiple icons appear in the right hand corner,  allows you to compare the data by race and further by AI population, and  provides the same disaggregation but via averages from the years selected.
- "*" or blank graphs indicate that the count of students is 5 or less and has been masked.