



Read On Arizona's MapLIT Mapping Tool User Guide

August 2015



Read On Arizona
1202 East Missouri Avenue
Phoenix, Arizona 85014



Maricopa Association of Governments
302 North 1st Avenue
Phoenix, Arizona 85003

©August 2015
v1.16

CONTENTS

Contents	i
About Read On Arizona’s MapLIT Mapping Tool.....	1
Purpose	1
Data Sources.....	1
Read On Arizona	1
Arizona Department of Education.....	1
First Things First	1
Primary Care Areas.....	1
Maricopa Association of Governments	1
Missing or Incomplete Data	1
Using MapLIT	Error! Bookmark not defined.
School Popups	3
Navigating the Map	4
Help Menus	4
Working with the Viewer Panels	4
Maps Panel.....	4
Choose a Map.....	4
Advanced Map Options	5
Legend Panel	7
Arizona Schools by Grade.....	8
Current Demographic Map.....	8
Layers Options	8
Reports Panel	8
Choose a Report	9
Selected Abbreviations and Terms.....	15
Links.....	16
Legal Disclaimer.....	17

ABOUT READ ON ARIZONA'S MAPLIT MAPPING TOOL

PURPOSE

Read On Arizona partners created MapLIT, an interactive mapping tool as a “one stop” resource to identify key data sets (census, school, health, family engagement) that impact early literacy outcomes in communities. Read On Arizona’s MapLIT provides communities with graphic views of select data for all Arizona public/charter elementary school and preschool site locations. MapLIT provides communities with graphic views of select data for all Arizona public and charter elementary schools offering 2nd and/or 3rd grade and preschool site locations. Find the map online at www.readonarizona.org/maplit

DATA SOURCES

Census data for the map demographics and census tract layers come from the U.S. Census Bureau’s 2010 decennial census and the American Community Survey (ACS). This data is updated annually with the release of the latest ACS five-year averages.

Street map and aerial imagery provided by Esri. <http://www.esri.com/>



Read On Arizona is a statewide, public/private partnership of agencies, philanthropic organizations, and community stakeholders committed to creating an effective continuum of services to improve language and literacy outcomes for Arizona’s children from birth through age eight over the next 10 years. Read On Arizona is committed to helping create an early literacy system that delivers the right program at the right time for every child. Visit the Read On Arizona website at readonarizona.org.



Elementary school and district information is provided by the Arizona Department of Education (ADE). School and district grades are assigned annually by the ADE. See the ADE website for details on how these grades are determined.

<http://www.azed.gov/> <https://azreportcards.com/>

FIRST THINGS FIRST # FIRST THINGS FIRST

First Things First (FTF) provided the results of a three-question survey on the availability of literature and reading engagement in the home. The surveys were conducted and tallied for each of the FTF Regional Partnership Councils throughout Arizona. Methodology and sample sizes were not provided. First Things First is a founding partner of Read On Arizona. See more details on First Things First at <http://www.azfff.gov>.



Health data used in the reports are collected by Primary Care Area Councils and provided to Read On Arizona by the Arizona Department of Health Services (ADHS). The ADHS Primary Care Area Statistical Profiles describe areas in Arizona where the local residents primarily obtain their health care. Statistical profiles on these areas are revised annually and provide detailed information on the demographics, resources, hospital utilization, and health status for each Primary Care Area (PCA). Selected data focusing on children are used in the Elementary School, County, and Primary Care Area Summary reports of the Read On Arizona map viewer. See more details about Primary Care Areas at the Arizona Department of Health Services website:

<http://www.azdhs.gov>.



The Maricopa Association of Governments (MAG) assembled the collective data and designed and maintains the interactive mapping and reporting tools that make up Read On Arizona’s MapLIT. MAG is a council of governments and metropolitan planning organization that serves as the regional agency for Maricopa County and portions of Pinal County. MAG provides a regional forum for analysis, discussion, and resolution of issues, including the areas of transportation, air quality/environment, economic development, and human services. Visit the MAG website at www.azmag.gov for more information.

MISSING OR INCOMPLETE DATA

Some data in the reports may be suppressed when sample sizes are small enough that individual privacy may be compromised. A message will appear on the report screen when this occurs. Some reports may appear incomplete due to no data in some areas of the Read On Arizona and U.S. Census datasets. On the census portion of the map, the Legend will denote areas with no data.

While every effort has been made to ensure the accuracy of the given information, the Maricopa Association of Governments makes no warranty, express or implied, as to its accuracy and expressly disclaims liability for the accuracy thereof.

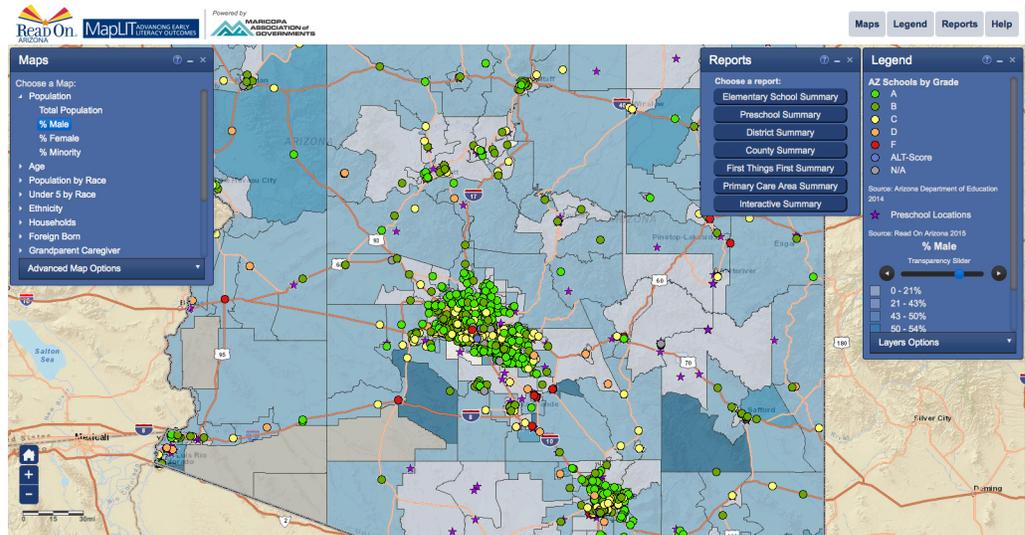
Feedback regarding the functionality of the site and data may be addressed to Jason Howard, GIS Program Manager, at jhoward@azmag.gov.

Questions regarding the map content may be addressed to Terri Clark, Arizona Literacy Director, at tclark@readonarizona.org.

USING MAPLIT

Read On Arizona’s MapLIT is composed of the map, which fills the entire window, and a series of panels which provide tools for interacting with the map and generating reports. Each panel can be toggled on and off by clicking on the panel’s name on the menu bar.

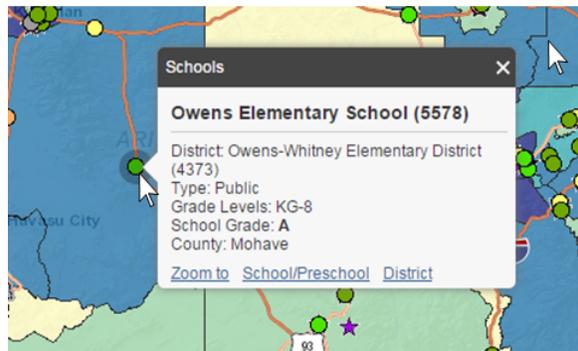
Figure 1:
Read On Arizona
MapLIT Home Page.



SCHOOL POPUPS

Clicking once on a colored dot or purple star on the map will create a gray halo around the dot or star and bring up a popup with general information about the school. At the bottom of the popup are three links. Clicking on **Zoom to** zooms in on the map to the area around the school. Clicking on **School/Preschool** brings up that school’s Elementary School Summary report or Preschool Summary report, respectively. This report includes information such as enrollment, demographics, and other benchmark information. Clicking on **District** brings up that school’s District Summary report.

Figure 2:
Clicking on a dot or star opens a popup with a description and links to related reports.



NOTE: The District link will not work for preschools not directly tied to a public school district.

NAVIGATING THE MAP

Navigate around the map using your mouse.

- To pan (move the map), simply left click and hold your mouse, then drag the map.
- To zoom in on a location, double click the location.
- Zoom in/out using the mouse scroll wheel.
- Select an area to zoom to by holding down the shift key while drawing a box.
- Click on a map feature to reveal further information.
- In the lower left side of the map are three symbols you can use for quick navigation.



- **[HOME]** Click the home icon to return the map to its original extent.
- **[PLUS SIGN]** Click the plus sign to zoom in.
- **[MINUS SIGN]** Click the minus sign to zoom out.

HELP MENUS

The Help button in the menu toolbar covers the basics of the Read On Arizona's MapLIT. Each panel also has detailed help about the given tool, which can be viewed by clicking on the panel's  button. Selected terms and their definitions applicable to that panel will also appear in each panel's Help dialog box. A general list of abbreviations and terms also appears near the end of this user guide.

WORKING WITH THE VIEWER PANELS

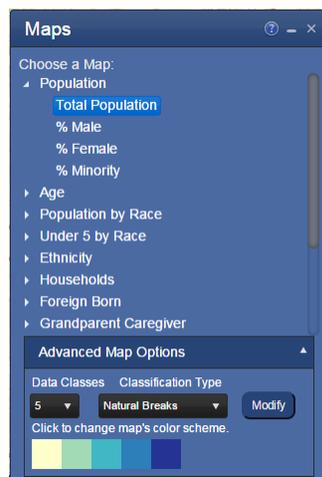
MAPS PANEL

The Maps panel shows the options available for customizing the map to display the types of demographic data you are interested in. The default is Total Population. The Advanced Map Options button provides ways to customize the way the data are grouped and displayed.

CHOOSE A MAP

Select from a menu of available thematic demographic maps. Click on the  to expand the selections and view the subcategories. (See the complete list of available maps in Table 1.) Note that changing the demographic map will change the text, values, and colors on the map and in the Legend panel.

Figure 3:
Scroll down and click on arrows to see all demographic data options.



Map Categories	Subcategories	Map Categories	Subcategories
Population	Total Population	Linguistic Isolation	Linguistically Isolated
	% Male	Families in Poverty	Total Families
	% Female		% Families Below Poverty
	% Minority		% White Below Poverty
Age	Median Age		% Black Below Poverty
	% Pop Under 5		% Asian Below Poverty
	% Male Pop Under 5		% Native American Below Poverty
	% Female Pop Under 5		% Pacific Islander Below Poverty
	% Minority Pop Under 5		% Two or More Races Below Poverty
	% Population 5-17		% Other Race Below Poverty
	% Minority Population 5-17		% Hispanic Below Poverty
Population by Race	% White		% Non-Hispanic Below Poverty
	% Black	Under 6 Below Poverty	% Under 6 Below Poverty
	% Asian		% Under 6 White Below Poverty
	% Native American		% Under 6 Black Below Poverty
	% Pacific Islander		% Under 6 Asian Below Poverty
	% Two Or More Races		% Under 6 Native American Below Poverty
	% Other Race		% Under 6 Pacific Islander Below Poverty
Under 5 by Race	% White		% Under 6 Two or More Races Below Poverty
	% Black		% Under 6 Other Race Below Poverty
	% Asian		% Under 6 Hispanic Below Poverty
	% Native American		% Under 6 Non-Hispanic Below Poverty
	% Pacific Islander	Household Employment	% Under 18 2 Parents 2 Working
	% Two Or More Races		% Under 18 2 Parents 1 Working
	% Other Race		% Under 18 2 Parents 0 Working
Ethnicity	% Hispanic		% Under 18 1 Parent 1 Working
	% Hispanic Under 5		% Under 18 1 Parent 0 Working
Households	Total Households		% Under 18 Household with Food Stamps
	% Households that Own Home	Age 15 & Over Employment	Total Population 15+
	% Families with Under 6		% Male Population 15+
Foreign Born	% Under 6 Native Born Parents		% Female Population 15+
	% Under 6 Foreign Born Parents		% Employed 15+
Grandparent Caregiver	% Under 6 with Grandparent		% Unemployed 15+
	% Under 18 with Grandparent		% Male Employed 15+
Income	Median Income		% Male Unemployed 15+
	Median Income Married with Under 18		% Female Employed 15+
	Median Income Male HH with Under 18		% Female Unemployed 15+
	Median Income Female HH with Under 18		

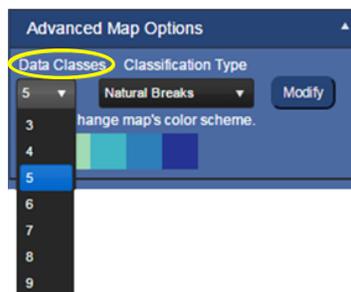
Figure 4: Demographic map categories and subcategories

ADVANCED MAP OPTIONS

DATA CLASSES

You can specify the number of groups the data are broken into, from three to nine different groups. The more groups that are selected, the more “information rich” the map becomes. However, a larger number of classes uses more colors, which may make the map harder to interpret. The Legend will change with the number of data classes chosen.

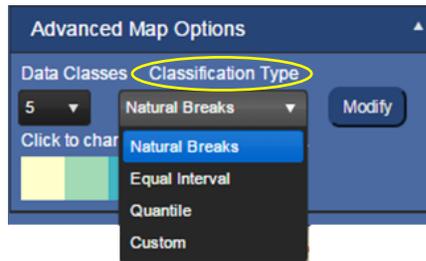
Figure 5: Choose the number of groupings into which you want the data divided.



CLASSIFICATION TYPES

Data may be classified to equalize or emphasize specific ranges of data. The classification method you choose depends on the nature of your data, and what you want to show about the data.

Figure 6:
Choose the manner in which the data are distributed.



- *Natural Breaks* – Divides data into classes based on natural groups, or breaks, in the data distribution. Natural breaks occur in the histogram at the low points of valleys.
- *Equal Interval* – Divides the set of attribute values into groups that contain an equal range of values.
- *Quantile* – Distributes the set of values into groups that contain an equal distribution.
- *Custom* – Change data classification breaks in the Custom Breaks panel by selecting a slider bar between ranges and adjusting its position left or right. You can also click on a slider bar and enter a starting value in the box that appears below it. The example to the right shows the value box that appears when you double click one of the slider bars. Enter the value to begin the following interval.

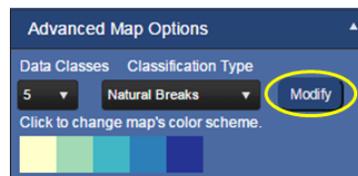
Figure 7:
After choosing a classification type, you can modify the distribution of data.



MODIFY

This button offers a direct way to bring up the Custom Breaks classification bar to adjust value distribution, even after choosing Natural Breaks, Equal Interval, or Quantile classification types.

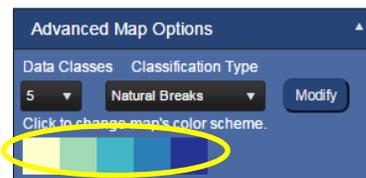
Figure 8:
The Modify button quickly lets you customize your data distribution.



COLOR SCHEME

The numbers of colors displayed is based on the number of data classes selected. Click on the color ramp to select a different color scheme for the current map.

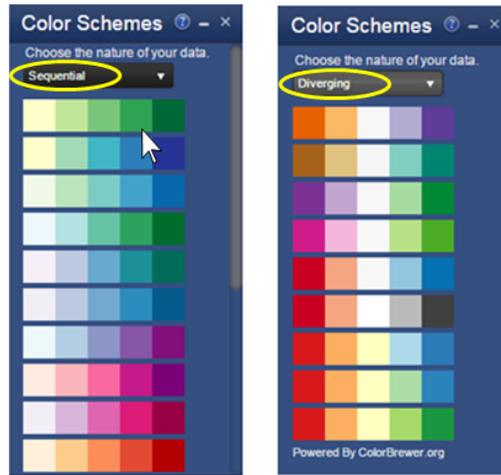
Figure 9:
The number of colors displayed is determined by the number of data



- *Sequential* – Monochromatic color ramps suited to ordered data that progress from low to high, light colors for low data values to dark colors for high data values.

- *Diverging* – Contrasting color ramps put equal emphasis on mid-range critical values and extremes at both ends of the data range. The critical class or break in the middle of the legend is emphasized with light colors and low and high extremes are emphasized with dark colors that have contrasting hues.

Figure 10:
Color schemes may enhance visual analysis.



LEGEND PANEL

The Legend panel has three primary components: a key to the school and preschool colored dots and stars, the name of the currently displayed demographic map with the data ranges associated with the chosen color scheme and range, and the list of optional layers that can be toggled on and off.

Figure 11:
Scroll down to see all the data class distribution ranges.



ARIZONA SCHOOLS BY GRADE

Each colored dot on the map represents a public or charter elementary school in Arizona. The color of the dot represents the current grade assigned to the school by the Arizona Department of Education, as shown in the top portion of the Legend. These colored dots remain the same regardless of the map demographics selected. However, they are tied to the Schools layer in the Layers Options, and that portion of the legend will disappear if the Schools layer is unchecked.

CURRENT DEMOGRAPHIC MAP

Below the grade portion of the legend is the description of the current demographic map, as selected in the Maps panel (“Total Population” in the example in Figure 10), followed by the classes chosen for this map. Each class is distinguished by a shade from the selected map color scheme and the range of values it represents. Note, the data source (located below the values) may change depending on the selected category or subcategory of the current map.

TRANSPARENCY SLIDER

The colors on the map represent the data values in each census tract. Moving the transparency slider to the left will increase the transparency of the census tract layer, revealing the underlying map (base map or aerial imagery, as selected in Layer Options), while moving the slider to the right will gradually conceal the underlying map.

Figure 12:
Reveal underlying map features by moving the slider to the left



LAYERS OPTIONS

Map layers can be toggled on and off under Layers Options. Map layer visibility is controlled with a check box, with visible layers being checked on. By default, the Schools layer is check marked to show the location and ADE grade of all the Arizona public or charter elementary schools offering a 2nd and/or 3rd grade. The Preschools and Roads are also shown by default.

Additional layers include Counties, depicting county boundary lines and names; Libraries; Census Tracts, depicting tract outlines as well as their tract numbers; School District boundaries; First Things First Council boundaries; Primary Care Area boundaries; Reading Proficiency by District; and Imagery, showing aerial imagery.

One map layer of special note is Reading Proficiency by District. Checking this layer on will turn off the census block group boundaries and show school districts symbolized by the level of reading proficiency at the 3rd grade level. Toggling the Reading Proficiency off will return the map to displaying the last demographic data selected. The color scheme cannot be changed for Reading Proficiency by District.

The Imagery layer displays satellite imagery under the tracts layer. You can adjust how much of this aerial imagery is seen by using the transparency slider.

REPORTS PANEL

The Reports panel allows you to view reports on the characteristics of all public and charter elementary schools, school districts, and counties in the state of Arizona, as well as generate reports on a specific area of your choosing using Interactive Summary. Reports summarizing data from First Things First and the Arizona Department of Health Services' Primary Care Areas are also available. Each report displays a summary of data in graphic and tabular form.

Figure 13:
The Reports panel provides several options for creating custom reports.

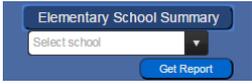
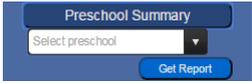


NOTE: When a summary report is generated, the map will also outline and highlight the selected geography in cyan (except in Elementary School Summary, in which case the selected school's dot will appear in the center of the map encircled with a small grey shadow). When using Interactive Summary, the geography will be defined by the selected census tracts. In the Selected Tracts tab of the summary, hovering over a row of data will cause the corresponding tract on the map to be highlighted in yellow.

CHOOSE A REPORT

The following report types are available:

Figure 14:
Summary report choices and the types of data in each.

	<h3>ELEMENTARY SCHOOL SUMMARY</h3> <p>Click Elementary School Summary then select a school from the drop-down menu and click the Get Report button to see summary data for selected school. The Elementary School Summary panel comprises the following data:</p> <table border="0"> <tbody> <tr> <td><i>Badges</i></td> <td><i>Data Tabs</i></td> </tr> <tr> <td>Grade</td> <td>Enrollment</td> </tr> <tr> <td>Title I</td> <td>Student Demographics</td> </tr> <tr> <td>Free and Reduced Lunch(FRL)</td> <td>SAT 10</td> </tr> <tr> <td>Attendance Rate</td> <td>AIMS Breakdown</td> </tr> <tr> <td>Reading Proficiency</td> <td>AIMS Passing</td> </tr> <tr> <td>Chronic Absence Rate</td> <td>Benchmark</td> </tr> <tr> <td></td> <td>Chronic Absence</td> </tr> <tr> <td></td> <td>First Things First</td> </tr> <tr> <td></td> <td>Health Data</td> </tr> </tbody> </table>	<i>Badges</i>	<i>Data Tabs</i>	Grade	Enrollment	Title I	Student Demographics	Free and Reduced Lunch(FRL)	SAT 10	Attendance Rate	AIMS Breakdown	Reading Proficiency	AIMS Passing	Chronic Absence Rate	Benchmark		Chronic Absence		First Things First		Health Data
<i>Badges</i>	<i>Data Tabs</i>																				
Grade	Enrollment																				
Title I	Student Demographics																				
Free and Reduced Lunch(FRL)	SAT 10																				
Attendance Rate	AIMS Breakdown																				
Reading Proficiency	AIMS Passing																				
Chronic Absence Rate	Benchmark																				
	Chronic Absence																				
	First Things First																				
	Health Data																				
	<h3>PRESCHOOL SUMMARY</h3> <p>Click Preschool Summary then select a preschool from the drop-down menu and click the Get Report button to see summary data for the selected preschool. Preschool Summary reports have a tab with Health Data for the Primary Care Areas within the county. The Preschool Summary panel comprises the following data:</p> <table border="0"> <tbody> <tr> <td><i>Badges</i></td> <td><i>Data Tabs</i></td> </tr> <tr> <td>Enrollment</td> <td>First Things First</td> </tr> <tr> <td>Head Start (and its variants)</td> <td>Health Data</td> </tr> <tr> <td>Quality First</td> <td></td> </tr> <tr> <td>Public</td> <td></td> </tr> </tbody> </table>	<i>Badges</i>	<i>Data Tabs</i>	Enrollment	First Things First	Head Start (and its variants)	Health Data	Quality First		Public											
<i>Badges</i>	<i>Data Tabs</i>																				
Enrollment	First Things First																				
Head Start (and its variants)	Health Data																				
Quality First																					
Public																					
	<h3>DISTRICT SUMMARY</h3> <p>Click District Summary then select a district from the drop-down menu and click the Get Report button to see summary data for selected district. The District Summary panel comprises the following data:</p> <table border="0"> <tbody> <tr> <td><i>Badges</i></td> <td><i>Data Tabs</i></td> </tr> <tr> <td>Grade</td> <td>Schools</td> </tr> <tr> <td>Attendance Rate</td> <td>Enrollment</td> </tr> <tr> <td>Reading Proficiency</td> <td>Student Demographics</td> </tr> <tr> <td>Chronic Absence</td> <td>SAT 10</td> </tr> <tr> <td></td> <td>AIMS Breakdown</td> </tr> <tr> <td></td> <td>AIMS Passing</td> </tr> <tr> <td></td> <td>Benchmark</td> </tr> <tr> <td></td> <td>Chronic Absence</td> </tr> </tbody> </table>	<i>Badges</i>	<i>Data Tabs</i>	Grade	Schools	Attendance Rate	Enrollment	Reading Proficiency	Student Demographics	Chronic Absence	SAT 10		AIMS Breakdown		AIMS Passing		Benchmark		Chronic Absence		
<i>Badges</i>	<i>Data Tabs</i>																				
Grade	Schools																				
Attendance Rate	Enrollment																				
Reading Proficiency	Student Demographics																				
Chronic Absence	SAT 10																				
	AIMS Breakdown																				
	AIMS Passing																				
	Benchmark																				
	Chronic Absence																				

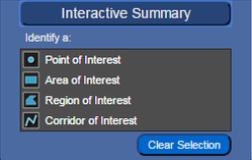
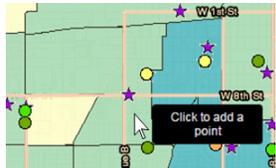
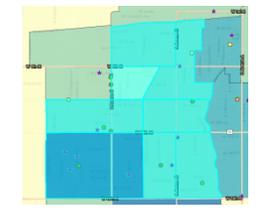
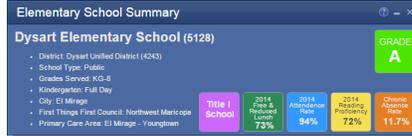
	<h3>COUNTY SUMMARY</h3> <p>Click County Summary then select a county from the drop-down menu and click the Get Report button to see summary data for selected county. The County Summary comprises the following data:</p> <table border="0"> <tr> <td><i>Badges</i></td> <td><i>Data Tabs</i></td> </tr> <tr> <td>Reading Proficiency</td> <td>Enrollment</td> </tr> <tr> <td></td> <td>Schools</td> </tr> <tr> <td></td> <td>Preschools</td> </tr> <tr> <td></td> <td>Student Demographics</td> </tr> <tr> <td></td> <td>SAT 10</td> </tr> <tr> <td></td> <td>AIMS Breakdown</td> </tr> <tr> <td></td> <td>AIMS Passing</td> </tr> <tr> <td></td> <td>Benchmark</td> </tr> <tr> <td></td> <td>Health Data</td> </tr> </table>	<i>Badges</i>	<i>Data Tabs</i>	Reading Proficiency	Enrollment		Schools		Preschools		Student Demographics		SAT 10		AIMS Breakdown		AIMS Passing		Benchmark		Health Data
<i>Badges</i>	<i>Data Tabs</i>																				
Reading Proficiency	Enrollment																				
	Schools																				
	Preschools																				
	Student Demographics																				
	SAT 10																				
	AIMS Breakdown																				
	AIMS Passing																				
	Benchmark																				
	Health Data																				
	<h3>FIRST THINGS FIRST SUMMARY</h3> <p>Click First Things First Summary then select a First Things First (FTF) Regional Partnership Council from the drop-down menu and click the Get Report button to see summary data for the selected council. The First Things First Summary comprises the following data:</p> <table border="0"> <tr> <td><i>Data Tabs</i></td> </tr> <tr> <td>Schools</td> </tr> <tr> <td>Preschools</td> </tr> <tr> <td>Survey Results</td> </tr> </table>	<i>Data Tabs</i>	Schools	Preschools	Survey Results																
<i>Data Tabs</i>																					
Schools																					
Preschools																					
Survey Results																					
	<h3>PRIMARY CARE AREA SUMMARY</h3> <p>Click Primary Care Area Summary then select a Primary Care Area (PCA) from the drop-down menu and click the Get Report button to see summary data for the selected PCA. The Primary Care Area Summary comprises the following data:</p> <table border="0"> <tr> <td><i>Data Tabs</i></td> </tr> <tr> <td>Schools</td> </tr> <tr> <td>Preschools</td> </tr> <tr> <td>Health Data</td> </tr> </table>	<i>Data Tabs</i>	Schools	Preschools	Health Data																
<i>Data Tabs</i>																					
Schools																					
Preschools																					
Health Data																					
	<h3>INTERACTIVE SUMMARY</h3> <p>Click Interactive Summary to select a customized area. After clicking, you will be provided with four options to identify geographical areas on which you may wish to generate reports. The area boundaries are defined by Census 2010 tract geographies. This means that not only will the tracts within the selected boundaries be shown, but also those that intersect with the boundary lines. The Interactive Summary comprises the following data:</p> <table border="0"> <tr> <td><i>Data Tabs</i></td> </tr> <tr> <td>Schools</td> </tr> <tr> <td>Preschools</td> </tr> <tr> <td>Summary Report</td> </tr> <tr> <td>Selected Tracts</td> </tr> </table>	<i>Data Tabs</i>	Schools	Preschools	Summary Report	Selected Tracts															
<i>Data Tabs</i>																					
Schools																					
Preschools																					
Summary Report																					
Selected Tracts																					

Figure 15:
The area boundaries
are defined by Census
2010 tract
geographies.

<i>Point or draw desired area</i>	<i>Interactive Summary Choices</i>	<i>Results include all tracts enclosed by or touching the drawn boundary</i>
	<p><i>Point of Interest</i></p> <p>Select a single census tract by left clicking once within a single tract on the map. A Summary panel will appear displaying data for the tract selected on the map.</p>	
	<p><i>Area of Interest</i></p> <p>Select multiple tracts within a general area by left clicking and dragging the mouse to draw a rectangle on the desired area on the map. A Summary panel will appear displaying data for all tracts that are within or intersect the rectangle.</p>	
	<p><i>Region of Interest</i></p> <p>Select tracts within a more precise area with a polygon. Left click and release on the map to create a starting point, then continue to left click and release at the end of each line segment. As you move the mouse the polygon will be dynamically displayed. When the desired polygon is shown, double click to finish the drawing. A Summary panel will appear displaying data for all tracts that are within or intersect the polygon.</p>	
	<p><i>Corridor of Interest</i></p> <p>Select tracts that follow linear features, such as roads or boundaries, by defining your area with straight lines. Left click and release on the map to create a starting point, then click and release at the end of each line segment (you may have more than one line segment, to allow for changing direction). Double click once the last segment has been drawn. A Summary panel will appear displaying data for all tracts that intersect the drawn corridor.</p>	

SUMMARY REPORT RESULTS EXAMPLES

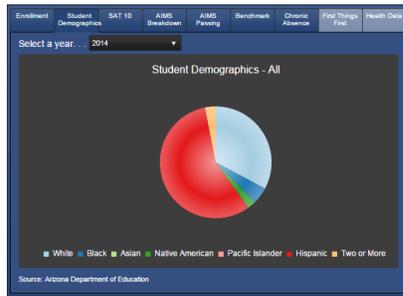
Figure 16:
Elementary School
Summary report
panels



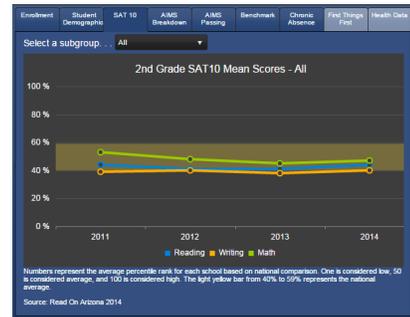
Elementary School Summary report header displays the school's district, school type, grades served, length of kindergarten day (if applicable), location, First Things First Council, and Primary Care Area. The colored badges display (if applicable) the school's current grade (as assigned by the Arizona Department of Education), Title I status, the percentages of students enrolled in the free and reduced lunch program, attendance rate, reading proficiency (3rd grade students who passed the reading portion of the preceding year's AIMS test), and the chronic absence rate (those students who were absent at least 18 days of the previous school year).



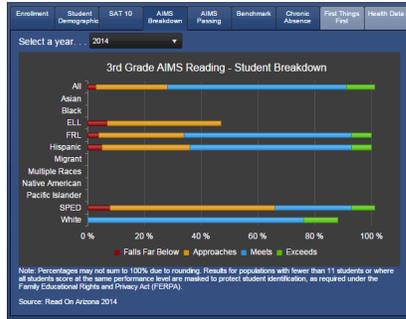
Student Enrollment: The blue vertical bars show the school's total enrollment; the green line shows the combined kindergarten through 3rd grade enrollment. Each enrollment display can be toggled off and on by clicking on their titles in the key at the bottom of the graph.



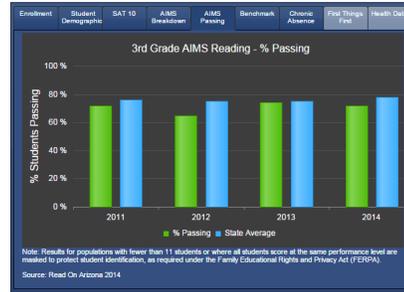
Student Demographics: Student enrollment broken down by Race. The drop down menu offers historical enrollment data for the years 2011-2014.



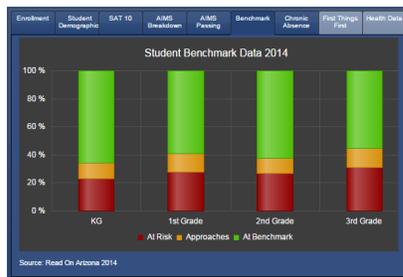
SAT 10: Mean reading, writing, and math scores of the Stanford Achievement Test administered to 2nd graders, if applicable. The drop down menu breaks down this data by student subgroups. Data is not shown for subgroups too small to mask individual identities or where there is insufficient data. Each test may be toggled off and on by clicking on its name in the key at the bottom of the graph.



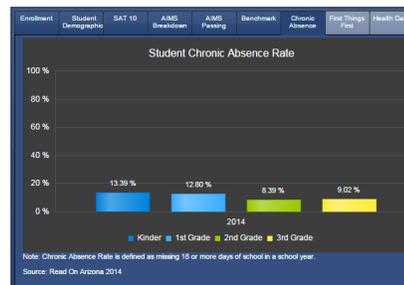
AIMS Breakdown: This graph breaks down the 3rd grade AIMS results (“FAME”) by subgroup. Data is not shown for subgroups too small to mask individual identities or where there is insufficient data. Each performance level may be toggled off and on by clicking on its name in the key at the bottom of the graph.



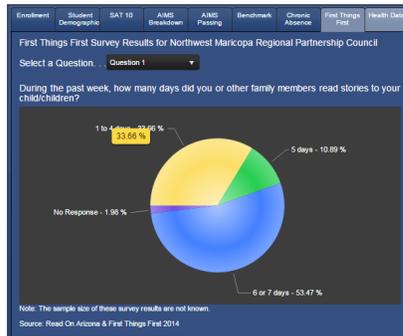
AIMS Passing: Percentage of 3rd graders who passed the reading portion of the AIMS test, compared with the state averages, since 2011. Percentage Passing and State Average may be toggled off and on by clicking on its name in the key at the bottom of the graph.



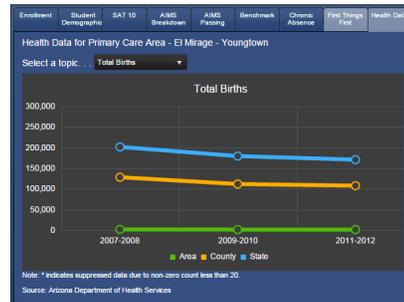
Benchmark: This stacked bar graph compares student performance by grade level to benchmark standards.



Chronic Absence: This graph breaks down the school’s chronic absence rate by grade level.



First Things First: The drop down shows the results of each of the three questions on the First Things First (FTF) 2014 survey administered throughout the given FTF council. The results shown are not specific to the school, but to the entire council.



Health Data: The drop down shows selected health data for the entire Primary Care Area (PCA), as collected by the Arizona Department of Health Services. Results are not specific to the selected school.

Figure 17:
Preschool, District,
and County Summary
examples.



Preschool Summary report header displays the preschool’s location, First Things First Council, and Primary Care Area. The colored badges display (if applicable) the school’s enrollment, Head Start affiliations, Quality First designation, and if a preschool is affiliated with a public school district. See more about the First Things First and Health Data in the First Things First Summary and Primary Care Area Summary, respectively.



District Summary report header displays the district’s type (public or charter, elementary or unified). The colored badges display (if applicable) the school’s current grade (as assigned by the Arizona Department of Education), attendance rate, reading proficiency (3rd grade students who passed the reading portion of the preceding year’s AIMS test), and the chronic absence rate (those students who were absent at least 18 days of the previous school year). The Schools tab lists the schools in the district. See example below. The remaining tabs are similar to those shown in the Elementary School Summary example.



County Summary Schools tab includes only the colored badge indicating the reading proficiency average of all qualifying schools in the county. The tabs are similar to those shown in the Elementary School Summary, and District Summary Schools tab examples.

ID	School	Type	Grades Served	Letter Grade	Enrollment
91188	Acacia Elementary School	Public	KG-5	A	717
78835	Civano Charter School	Public	KG-8	A	107
79719	Cottonwood Elementary School	Public	KG-6	A	655
5851	Desert Willow Elementary School	Public	KG-5	A	627
91169	Mesquite Elementary School	Public	KG-5	A	676
89575	Ocotillo Ridge Elementary	Public	PKD-5	A	875
89749	Senita Valley Elementary School	Public	PKD-8	A	612
80871	Sycamore Elementary School	Public	KG-5	A	947
10855	Vail Academy & High School	Public	KG-12	A	467
80845	Vail Digital Learning Program	Public	KG-12	P	174

District Summary Schools tab displays a list of all the schools in the district that offer at least 2nd or 3rd grade (qualifying them for inclusion on this map). The report includes the number of schools, school name and type, grades served, school grade assigned by the Arizona Department of Education, and school enrollment.

Figure 18:
First Things First
Summary and
Primary Care Area
Summary reports.

ID	Preschool	Head Start	Early Head Start	Migrant Head Start	American Indian Head Start	Public	Quality First	Enrollments
25	Denson Unified School District					x		N/A
26	Bisbee Unified District					x		N/A
99	Douglas Unified					x		N/A
103	Edith Elementary District					x		N/A
111	Fl Huachuca ADCS					x		N/A
156	Hiaco Elementary District					x		N/A
163	Palominas Elementary District					x		N/A
196	Sierra Vista Unified District					x		N/A
205	St David Unified District					x		N/A
215	Tombstone Unified District					x		N/A
226	Wink or Unified District					x		N/A

First Things First Summary, Preschools tab includes the preschool name, Head Start affiliation, type, Quality First designation, and enrollment numbers.



Primary Care Area banner shows the PCA number and in which county it is. Tabs are similar to those found in the Elementary School Summary and First Things First Summary.

SELECTED ABBREVIATIONS AND TERMS

ADE – Arizona Department of Education

ADHS – Arizona Department of Health Services

AIANHS – American Indian and Alaska Native Head Start

AIMS Breakdown – How 3rd grade students performed on the math and language arts areas of the AIMS test.

AIMS Passing – Percentage of 3rd graders who passed the reading portion of the AIMS test, compared with the state averages, since 2011.

ALT-Score – Students did not take the AIMS test, but rather an alternative test.

Attendance Rate – Attendance Rate: percentage of average daily attendance at this school.

Chronic Absence Rate – Percentage of students absent more than 18 days in a school year.

ELL – English Language Learner

Enrollment – In the reports, the graphic enrollment charts show kindergarten through 3rd grade enrollment compared to total enrollment. Clicking on the graphic will toggle between these two enrollment graphics. In the tabs with tabular data, enrollment is total enrollment.

First Things First – (FTF) Results of a FTF survey for the associated FTF council.

Free and Reduced Lunch – (FRL) Free & Reduced Lunch: percentage of students at the school who qualify for free or reduced lunch

FRL – Free and Reduced Lunch

FTF – First Things First

Grade – Each year, schools and districts are awarded a grade by the ADE using their A-F Letter Grade Accountability System; the color of the grade badge in the report matches the color of the school's dot on the map.

Head Start – Arizona Head Start Programs provide high quality early childhood education, nutrition, health, mental health, disabilities, and social services with a strong parent involvement focus.

Health Data – Selected data from the Primary Care Area's statistical profile.

K or KG – Kindergarten

NA – Not Available; no data

PCA – Primary Care Area, as defined by the Arizona Department of Health Services.

PSD – Preschool

Public – In the Preschool Summary, indicates that the preschool is part of a public school district.

Quality First – A signature program of First Things First; partners with child care and preschool providers to improve the quality of early learning across Arizona.

SAT 10 – Mean reading, writing, and math scores of the Stanford Achievement Test administered to 2nd graders, if applicable. The drop down menu breaks down this data by student subgroups. Data is not shown for subgroups too small to mask individual identities or where there is insufficient data.

SPED – Special Education

Student Demographics – Student enrollment broken down by Race. The drop down menu offers historical enrollment data for the years 2011-2014.

Title I – Title I schools have higher poverty rates (as indicated by higher percentages of students enrolled in the Free and Reduced Lunch program). Title I schools receive federal funding intended to help students who are at risk of falling behind academically by providing supplemental instruction for students who are economically disadvantaged or at risk for failing to meet state standards.

LINKS

Arizona Community Foundation: www.azfoundation.org

Arizona Department of Education: www.azed.gov

Arizona Department of Health Services: www.azdhs.gov

First Things First: www.azfff.gov

Helios Education Foundation: www.helios.org

MAG Data Center: datacenter.azmag.gov

MAG Mapping Site: ims.azmag.gov

Maricopa Association of Governments: www.azmag.gov

Read On Arizona: www.ReadOnArizona.org

Read On Arizona's MapLIT: www.ReadOnArizona.org/maplit

Virginia G. Piper Charitable Trust: www.pipertrust.org

LEGAL DISCLAIMER

Read On Arizona and the Maricopa Association of Governments (MAG) provide the data within these pages as a public resource of general information for use "as is." Read On Arizona and MAG provide this information with the understanding that it is not guaranteed to be accurate, correct or complete and any conclusions drawn from such information are the sole responsibility of the user. Further, Read On Arizona and MAG make no warranty, representation or guaranty as to the content, sequence, accuracy, timeliness or completeness of any of the spatial or database information provided herein. While every effort has been made to ensure the content, sequence, accuracy, timeliness or completeness of materials presented within these pages, Read On Arizona and MAG assume no responsibility for errors or omissions, and explicitly disclaims any representations and warranties, including, without limitation, the implied warranties of merchantability and fitness for a particular purpose. Read On Arizona and MAG shall assume no liability for:

Any errors, omissions, or inaccuracies in the information provided, regardless of how caused; or
Any decision made or action taken or not taken by viewer in reliance upon any information or data furnished hereunder.

Availability of map services and websites hosted by MAG is not guaranteed. Applications, servers, and network connections may be unavailable at any time for maintenance or unscheduled outages. Outages may be of long duration. Users are cautioned against creating dependencies on these services for critical needs.

THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE AND/OR ANY OTHER TYPE WHETHER EXPRESSED OR IMPLIED. In no event shall Read On Arizona or MAG become liable to users of these data, or any other party, for any loss or direct, indirect, special, incidental or consequential damages, including, but not limited to, time, money or goodwill, arising from the use or modification of the data.

Users are encouraged to assist in the maintenance and/or correction of the data by providing MAG with information concerning errors or discrepancies found in using the data.

Please acknowledge Read On Arizona's MapLIT and Maricopa Association of Governments as the source when MapLIT data is used in the preparation of reports, papers, publications, maps, or other products.

Feedback regarding the functionality of the site and data may be addressed to Jason Howard, GIS Program Manager, at jhoward@azmag.gov.

Questions regarding the map content may be addressed to Terri Clark, Arizona Literacy Director, tclark@readonarizona.org.