



COLORADO
Department of Education

Overview: Data Available for Your Use

Title VI (formerly Title VII) Meeting

September 30, 2016

Purpose

- Introduction and overview of available data
- How to find data
- Statewide data
- Practice

Some Basic Ground Rules

- Pay attention to the year
- Pay attention to the entity selection (state, district, school)
- Pay attention to the inclusion and exclusion rules
- Use the most appropriate data source to answer your questions
- Use an iterative process to dive deeper
- Identify the best comparison group(s)
 - State? Other school or district? Schools in other districts? Grade levels?
- When possible, use multiple years of data and a BOE
- Document your process
- Validate analyses before drawing conclusions

What to Avoid

- Don't merge data across sources without the right level of understanding of the data included in each file
- Don't misinterpret the data ~ read into it more than what it says
- Don't forget any caveats provided on the data source
- Don't hesitate to ask for help

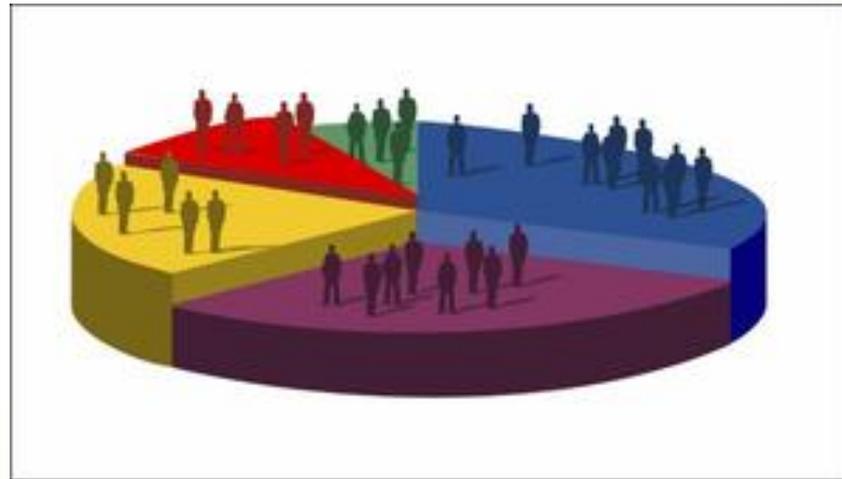
What Data?

Demographics



Demographic Data

- Data about characteristics of a population or subset of the population that can be used to describe, summarize or provide a deeper understanding/context



Colorado Demographics

- Student counts
- Race/ethnicity
- Course Placement
- Dropout Rates
- Graduation Rate

Ethnicity	13-14 %	14-15 %	15-16 %	13-14 #	14-15 #	15-16 #
American Indian or Alaska Native	0.75	0.74	0.71	6574	6537	6,424
Asian	3.07	3.07	3.08	26895	27297	27,733
Black	4.69	4.69	4.62	41107	41660	41,560
Hawaiian/Pacific Islander	0.23	0.23	0.23	1991	2065	2,077
Hispanic	32.77	33.12	33.38	287402	294435	300,107
Two or More Races	3.49	3.68	3.83	30625	32707	34,393
White	55.01	54.48	54.14	482405	484305	486,818

- Data Center [<http://www.cde.state.co.us/schoolview>]
- Demographics and other tables via CDE websites [<http://www.cde.state.co.us/fedprograms/data-sources>]

Your Guide to Colo Demo

Data Available on the CDE Website

Data Sources assembled by Nazanin Mohajeri-Nelson on August 26, 2014



COLORADO
Department of Education

Demographic and Descriptive Data

Data	Source
Advanced Placement Reports by Course and District <ul style="list-style-type: none"> By race/ethnicity 	http://www.cde.state.co.us/cdereval/advancedplacementlink
Truancy Data, School-by-School Truancy Rates	http://www.cde.state.co.us/cdereval/truancystatistics
Dropout Data <ul style="list-style-type: none"> By school and district, grade, gender, and race/ethnicity By school and district and instructional program type (e.g., ELs, students with disabilities, economically disadvantaged, migrant, Title I) 	Most Recent Year http://www.cde.state.co.us/cdereval/dropoutcurrent Previous Years http://www.cde.state.co.us/cdereval/rvprioryeardropoutdata
Graduation Data <ul style="list-style-type: none"> Graduates and completers by school and district and gender and race/ethnicity Graduates and completers by school and district and instructional services program type (e.g., ELs, students with disabilities, economically disadvantaged, migrant, Title I) 	Class of 2012-2013 http://www.cde.state.co.us/cdereval/gradcurrent Previous Years http://www.cde.state.co.us/cdereval/rvprioryeargraddata
Mobility / Stability Statistics <ul style="list-style-type: none"> By school and district, gender, and race/ethnicity By school and district instructional program/service type (e.g., ELs, students with 	Most Recent Year http://www.cde.state.co.us/cdereval/mobility-stabilitycurrent



SCHOOLview® Data Center



Statewide: Colorado



- Profile
- Accountability
- Performance
- Students
- Staff
- Finance
- Courses
- Health

Enrollment | Attendance & Truancy | Conduct

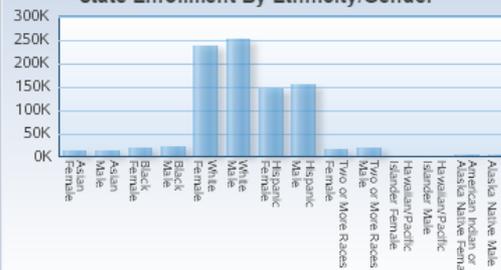
Overview | Related Links | Contact

Each fall local education agencies provide to the department October enrollment information about the students to whom educational services are being provided. The count of students is certified by the secretary of the local board of education according to the provisions of 22-54-112 C.R.S. Pupil counts data can be broken down into various categories such as grade, race/ethnicity, gender, economically disadvantaged, gifted and talented, English language learners, migrant and students with disabilities.

Data Center Enrollment counts exclude detention centers. Data Center Enrollment counts also exclude school code '0000', a code used when there is no building associated with a school, and school code '0001', a code used when students receive educational services in a non-district location in collaboration with a private, non-profit agency.

Enrollment

State Enrollment By Ethnicity/Gender



2015-16

by Ethnicity/Gender

Enrollment

State	Ethnicity	Gender	2013-14 %	2014-15 %	2015-16 %	2013-14 #	2014-15 #	2015-16 #
Colorado	Asian	Fem...	1.59%	1.6%	1.59%	13,975	14,185	14,390
Colorado	Asian	Male	1.47%	1.47%	1.49%	12,920	13,112	13,393
Colorado	Black	Fem...	2.27%	2.26%	2.24%	19,917	20,133	20,112
Colorado	Black	Male	2.42%	2.42%	2.39%	21,190	21,527	21,448
Colorado	White	Fem...	26.63%	26.33%	26.16%	233,583	234,100	235,204
Colorado	White	Male	28.37%	28.14%	27.98%	248,822	250,205	251,614
Colorado	Hispanic	Fem...	16.02%	16.2%	16.32%	140,538	143,987	146,724
Colorado	Hispanic	Male	16.75%	16.92%	17.06%	146,864	150,448	153,383
Colorado	Two or More Races	Fem...	1.72%	1.82%	1.88%	15,121	16,180	16,906
Colorado	Two or More Races	Male	1.77%	1.86%	1.94%	15,504	16,527	17,487
Colorado	Hawaiian/Pacific Islander	Fem...	0.11%	0.11%	0.11%	1,005	1,019	1,029
Colorado	Hawaiian/Pacific Islander	Male	0.11%	0.12%	0.12%	986	1,046	1,048
Colorado	American Indian or Alaska N...	Fem...	0.37%	0.36%	0.35%	3,224	3,190	3,157
Colorado	American Indian or Alaska N...	Male	0.38%	0.38%	0.36%	3,350	3,347	3,267

Download

Lookup by Name

Lookup

Browse

Click names to select. Click arrows to expand/collapse.

- Colorado
 - Academy 20
 - Adams 12 Five Star S
 - Adams County 14
 - Adams-Arapahoe 28j
 - Agate 300
 - Aguilar Reorganized t
 - Akron R-1
 - Alamosa Re-11j
 - Archuleta County 50
 - Arickaree R-2
 - Arriba-Flagler C-20
 - Aspen 1
 - Ault-Highland Re-9
 - Bayfield 10 Jt-R
 - Bennett 29j
 - Bethune R-5
 - Big Sandy 100j
 - Boulder Valley Re 2
 - Branson Reorganized
 - Briggsdale Re-10
 - Brush Re-2(j)
 - Buena Vista R-31
 - Buffalo Re-4j
 - Burlington Re-6j
 - Byers 32j
 - Calhan Rj-1
 - Campo Re-6
 - Canon City Re-1
 - Centennial Boces
 - Centennial R-1
 - Center 26 Jt
 - Charter School Instit

Any questions or comments on the organization or operation of this site? Please contact datacenter@cde.state.co.us

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[Title IX](#) [Accessibility](#) [Disclaimer](#) [Privacy](#)

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Practice

- **Using Your Guide to Colo Demo, “Data Available on the CDE Website” select a demographic file and answer the following questions**
 1. Does that data file contain data on American Indian or Alaska Native students? If not, what other student groups are represented in that file?
 - a. Write down your answers
 2. Does that data file contain data on Native Hawaiian or Other Pacific Islander students? If not, what other student groups are represented in that file?
 - a. Write down your answers
 3. How could you use demographic data from this file or other available data in your work?
 4. Partner share

State Assessments

PARCC/CMAS

English Language Arts and Math



State Assessments

- **While CMAS assessments are only one measure of student learning, having all Colorado students take this set of assessments provides parents with answers to these important questions:**
 - How well is my child doing on meeting state standards compared to other students?
 - Which schools and districts perform best in preparing students for success in meeting the state standards?
 - Which districts have the best performance on the state standards for children from various populations of students?
 - English learners, students from various races including but not limited to American Indian, Alaska Native, Hawaiian Native or Pacific Islanders, students with disabilities, migrant students, students who qualify for free or reduced meals
- **Additionally, state assessment results provide:**
 - information educators need to help improve instruction.
 - identification of districts and schools that have struggling students, so help can be provided.
 - recognition of high performing systems so others may learn from them.

Trainings Available

- **Understanding the New Score Reports – A Prezi presentation that walks viewers through the individual student reports**
- **Parent’s Guide to Understanding the New Score Reports – A two page document designed to help teachers, parents and students understand the individual student performance reports (also available in Spanish)**
- **Sample Individual Student Reports**

- **<http://www.cde.state.co.us/assessment/resources>**

Trainings Available

- **Resources for general information about the results:**
 - How to Use the Test Results to Support Your Student– A one page document that provides parents with basic background information and ideas for using test results to support their student’s academic success (also available in Spanish)
 - Key Messages – A document to help Colorado educators communicate accurate and consistent information
 - Drop-in Articles – Draft letters from superintendents or principals to educators and to parents
- <http://www.cde.state.co.us/assessment/resources>

PARCC Data

- <http://www.cde.state.co.us/assessment/cmas-englishmath-dataandresults>
 - Spring 2016 CMAS Results - PARCC English Language Arts/Literacy and Mathematics
 - *State Level*
 - *School and District Level*

PARCC Data

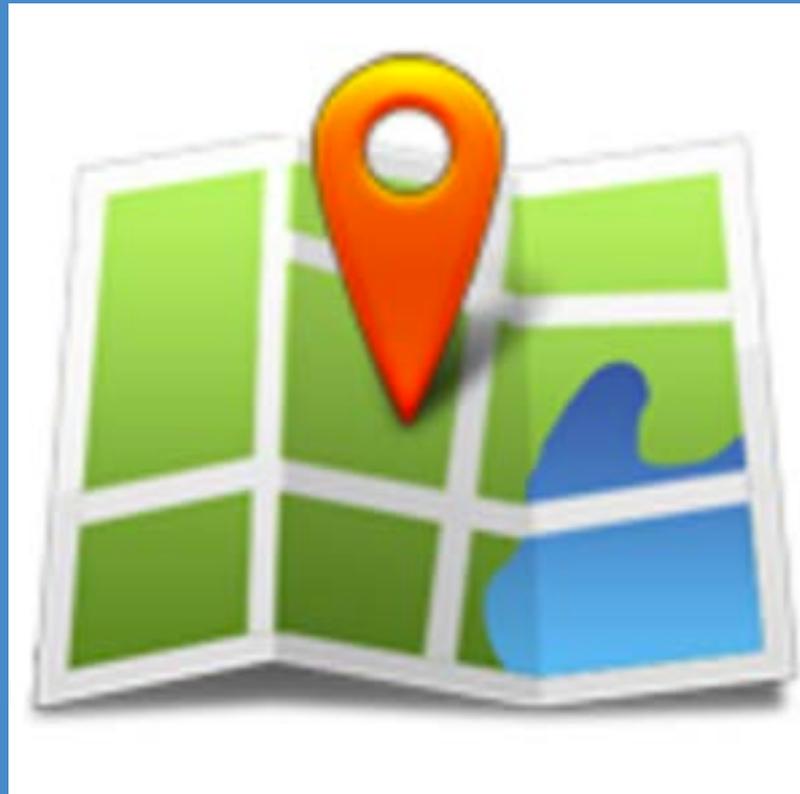
■ *State Level:*

- [CMAS: PARCC State Summary 2016](#) (PDF)
- [2016 CMAS: PARCC District Summative File Layout](#) (PDF)
- 2016 Colorado Spanish Language Arts (CSLA) Assessment Results (*coming soon*)

■ *School and District Level:*

- [CMAS: PARCC School and District Summary - English Language Arts and Math](#) (XLS)
- [2016 ELA and Math Score Report Interpretation Guide](#) (PDF)
 - [2016 ELA and Math Score Report Interpretation Guide for Parents English](#) (PDF)
 - [2016 ELA and math Score Report Interpretation Guide for Parents in Spanish](#) (PDF)
- [2016 CMAS: PARCC and CSLA District and School Summary File Layout](#) (DOC)
- [CMAS: PARCC 2016 School and District Summary - English Language Arts and Math](#) (XLS)

Finding Data



Data Sources from CDE

- Data Center [<http://www.cde.state.co.us/schoolview>]
- Data Lab (demonstration, if needed)
[<http://www.cde.state.co.us/schoolview>]
- School and District Dish (demonstration, if needed)
[http://www.cde.state.co.us/uiip/uiip_trainingandsupport_resources]
- Demographics and other tables via CDE websites
[<http://www.cde.state.co.us/fedprograms/data-sources>]
- EL Data Dig Tool and statewide comparison tables
[http://www.cde.state.co.us/cde_english/elau_pubsresources]

SchoolView Data Tools

(<http://www.cde.state.co.us/schoolview>)

Use Our Data Tools



Data Center

View profiles of individual schools and districts as well as state education data, including district and school performance frameworks, performance results, enrollment, disciplinary actions and more.



Colorado Growth Model

View growth data for Colorado's public schools, including individual school and district growth reports.



District and School Dashboard

View state data for district and school staff to support effective systems analysis and improvement planning.



Data Lab

Query the state's achievement and growth data to analyze results by school, district, state, and demographics.



Colorado Education Statistics

Download annual education statistics including graduation, dropout, suspension/expulsion and enrollment rates.





District Dashboard

- SUMMARY
- DEMOGRAPHICS
- SDRR: PERFORMANCE
- SDRR: PWR
- FISCAL
- LIKE-DISTRICT TOOL
- ACCOUNTABILITY
- PERFORMANCE
- TIME LAPSE

SUMMARY

SELECT A DISTRICT (Use the dropdown to select a district)

DURANGO 9-R

Hover over
circle for
instructions



LAST UPDATED: 12/2/2015

This dashboard has been designed to display state data for district staff to support effective systems analysis and improvement planning. It is organized by tabs across the top of the screen, beginning with SDRR (State Data Resource Report) that provides visualizations of state level data released in 2015. Typically, this data would be available through the performance frameworks. Because of the state assessment transition and the accountability clock pause, however, performance frameworks will not be released this year. For more information on the accountability system in 2015-16, see this fact sheet: http://www.cde.state.co.us/accountability/hb_15-1323_accountability_guidance. The demographics and fiscal tabs have also been updated with the most recent data. Subsequent tabs (e.g., Accountability, Performance) are available as a historical reference. Districts may use these tabs to get a visual representation of the historical trends to support improvement planning efforts. For additional support with planning, see resources found here: http://www.cde.state.co.us/uip/uip_trainingandsupport_resources. In addition to text provided on the screen, information related to the data can be found by hovering the cursor over the elements of the report.

Questions, please contact Hai Huynh at huynh_h@cde.state.co.us

District Profile

Setting

Outlying City

Superintendent

Daniel Snowberger

BOCES Affiliation

SAN JUAN BOCES (9050)

Student Profile Based on K-12 Count (2014-15)

Total_Enrollment	4,410
American Indian or Alaskan N..	5%
Asian	1%
Black	1%
FRL %	29%
Hawaiian/Pacific Islander	0%
Hispanic	19%
White	72%
ELL %	5%

Data Driving Demonstration

- Let's explore the Dish together
- Visit <http://www2.cde.state.co.us/schoolview/dish/dashboard.asp>
- Select a district or school to view
- Click on various tabs and let's see what we can find

SchoolView Data Tools

(<http://www.cde.state.co.us/schoolview>)

Use Our Data Tools



Data Center

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SchoolView Data Lab

SCHOOLview® Data Lab Report

Disclaimer : This online tool and the results that it gives are not to be considered official reporting of demographics, assessment or growth scores for Colorado's K-12 public education system. As far as has been determined in limited quality assurance testing, the tool's output matches that of official reporting from <http://www.cde.state.co.us>. However, because of the number and types of data aggregations available here, many results have not been verified. This beta tool has been set up primarily for investigative and research purposes. If you have questions about the output or find a discrepancy with official reporting, please write us a message at cedar@cde.state.co.us.

Please select at least one option from each box

Academic Year i	Exclusions i	Outcome Measures i
<ul style="list-style-type: none"><input type="checkbox"/> 2003-2004<input type="checkbox"/> 2004-2005<input type="checkbox"/> 2005-2006<input type="checkbox"/> 2006-2007<input type="checkbox"/> 2007-2008<input type="checkbox"/> 2008-2009<input type="checkbox"/> 2009-2010<input type="checkbox"/> 2010-2011<input type="checkbox"/> 2011-2012<input type="checkbox"/> 2012-2013<input type="checkbox"/> 2013-2014 <p style="text-align: right;">Select all Deselect all</p>	<ul style="list-style-type: none"><input checked="" type="radio"/> Included in state calculations (no exclusions)<input type="radio"/> Included in School Calculations<input type="radio"/> Included in District Calculations	<ul style="list-style-type: none"><input type="checkbox"/> Scale Scores Mean and SD<input type="checkbox"/> % Proficient and Advanced<input type="checkbox"/> Median Growth Percentile<input type="checkbox"/> Adequate Growth Percentile<input type="checkbox"/> Catch Up<input type="checkbox"/> Keep Up<input type="checkbox"/> Move Up<input type="checkbox"/> Achievement Level % <p style="text-align: right;">Select all Deselect all</p>

Reset All Variables

[View Frequently Asked Questions](#)



Optional Selections

Subjects i	Districts i	Schools i
<ul style="list-style-type: none"><input type="checkbox"/> Reading<input type="checkbox"/> Writing<input type="checkbox"/> Math <p style="text-align: right;">Select all Deselect all</p>	<ul style="list-style-type: none"><input type="checkbox"/> Academy 20 - 1040<input type="checkbox"/> Adams 12 Five Star Schools - 0020<input type="checkbox"/> Adams County 14 - 0030<input type="checkbox"/> Adams-Arapahoe 28j - 0180<input type="checkbox"/> Agate 300 - 0960<input type="checkbox"/> Aguilar Reorganized 6 - 1620<input type="checkbox"/> Akron R-1 - 3030<input type="checkbox"/> Alamosa Re-11j - 0100<input type="checkbox"/> Archuleta County 50 Jt - 0220<input type="checkbox"/> Arickaree R-2 - 3040<input type="checkbox"/> Arriba Elbert 200 - 1450 <p style="text-align: right;">Select all Deselect all</p>	<p style="text-align: center;">Show Schools</p>

Grouping Variables (Optional)

Variable #1 i	Variable #2	Variable #3	Variable #4	Variable #5
Level 1	Level 2	Level 3	Level 4	Level 5

SchoolView Data Lab, Required Selections

Select year(s) of data requested. Results will display in separate rows for each year selected.

Select outcome(s) of interest. Results will display in separate columns for each outcome selected.

Please select at least one option from each box

Academic Year 	Exclusions 	Outcome Measures 
<p> </p> <ul style="list-style-type: none"><input type="checkbox"/> 2003-2004<input type="checkbox"/> 2004-2005<input type="checkbox"/> 2005-2006<input type="checkbox"/> 2006-2007<input type="checkbox"/> 2007-2008<input type="checkbox"/> 2008-2009<input type="checkbox"/> 2009-2010<input type="checkbox"/> 2010-2011<input type="checkbox"/> 2011-2012<input type="checkbox"/> 2012-2013<input type="checkbox"/> 2013-2014 <p style="text-align: right;">Select all Deselect all</p>	<p></p> <ul style="list-style-type: none"><input checked="" type="radio"/> Included in state calculations (no exclusions)<input type="radio"/> Included in School Calculations<input type="radio"/> Included in District Calculations	<p> </p> <ul style="list-style-type: none"><input type="checkbox"/> Scale Scores Mean and SD<input type="checkbox"/> % Proficient and Advanced<input type="checkbox"/> Median Growth Percentile<input type="checkbox"/> Adequate Growth Percentile<input type="checkbox"/> Catch Up<input type="checkbox"/> Keep Up<input type="checkbox"/> Move Up<input type="checkbox"/> Achievement Level % <p style="text-align: right;">Select all Deselect all</p>

Hover over  for additional information.

Select exclusions to be applied, if any, based on whether you are focusing on the state, district, or school level.

SchoolView Data Lab, Optional Selections

Optional Selections

The screenshot shows the 'Optional Selections' interface with three main sections: 'Subjects', 'Districts', and 'Schools'. Each section has a green header with an information icon. The 'Subjects' section contains three checkboxes for 'Reading', 'Writing', and 'Math', with 'Select all' and 'Deselect all' links below. The 'Districts' section contains a scrollable list of district names and IDs, with 'Select all' and 'Deselect all' links at the bottom. The 'Schools' section is currently empty, with a 'Show Schools' button and a text box explaining that clicking the button will display a list of schools within the selected districts.

Select content area(s). If none are checked, results are presented for all three content areas.

Select district(s). If none are checked, state level results are displayed.

If districts are selected, you may click "Show Schools" to display a list of schools within those districts for selection.

This screenshot shows the 'Schools' section of the interface. It features a scrollable list of school names and their corresponding IDs, such as 'Abraham Lincoln High School - 0010' and 'Academia Ana Marie Sandoval - 6397'. At the bottom of the list, there are 'Select all' and 'Deselect all' links. A blue arrow points from the 'Show Schools' button in the previous screenshot to this list.



SchoolView Data Lab, Grouping Variables

Grouping Variables (Optional)

Variable #1 	Variable #2	Variable #3	Variable #4	Variable #5
Level 1 ▼	Level 2 ▼	Level 3 ▼	Level 4 ▼	Level 5 ▼

Cancel Finish

Select grouping variable(s) of interest.

Click "Finish" to run report.

Administration Unit
AECs
Charter
District
Elem/Middle/High
ELL (General)
ELL (Specific)
Free and Reduced
Gender
Gifted/Talented (General)
Gifted/Talented (Specific)
Grade
IEP (General)
IEP (Specific)
LEA
Magnet
Minority
Online
Race/Ethnicity
Region
School
Title 1

Displays results for each individual race/ethnicity subgroup, for which minimum n-sizes are met.

SchoolView Data Lab, Sample Report

Year(s): 2013-2014
 Subject(s): Reading, Math
 Filters: Included in state calculations (no exclusions)
 Measures: Scale Scores Mean and SD, % Proficient and Advanced
 Grouping Variable 1: Race/Ethnicity
 Grouping Variable 2: None
 Grouping Variable 3: None
 Grouping Variable 4: None
 Grouping Variable 5: None

[Export results to Excel 2007](#)

Click to export results as an Excel table.

Academic Year	Subject Name	Race/Ethnicity	Scale Score N Count	Avg Scale Score	Standard Deviation Scale Score	N Count Proficiency	Percent Proficient Advanced
2014	Math	American Indian or Alaska Native	3,838	506.41	89.04	3,891	37.55
2014	Math	Asian	15,979	572.89	91.62	16,083	73.41
2014	Math	Black	23,515	496.83	91.03	23,749	34.65
2014	Math	Hawaiian/Pacific Islander	1,154	531.51	87.42	1,162	51.89
2014	Math	Hispanic	164,571	506.02	85.57	165,641	39.56
2014	Math	Two or More Races	17,275	546.80	87.46	17,425	61.56
2014	Math	Unreported/ Not Applicable	22	505.41	113.10	22	31.82
2014	Math	White	277,145	560.42	81.47	279,293	67.12
2014	Reading	American Indian or Alaska Native	3,820	600.95	82.46	3,886	52.34
2014	Reading	Asian	15,948	640.48	77.64	16,077	76.97
2014	Reading	Black	23,477	598.74	80.47	23,743	51.65
2014	Reading	Hawaiian/Pacific Islander	1,150	624.62	69.67	1,161	66.75
2014	Reading	Hispanic	162,658	599.38	77.43	164,082	51.96
2014	Reading	Two or More Races	17,236	634.04	72.31	17,409	75.19
2014	Reading	Unreported/ Not Applicable	79	597.16	65.78	79	69.62
2014	Reading	White	276,717	643.01	67.72	279,258	79.82

Practice

- **What percent of American Indian/Alaska Native and Hawaiian/Pacific Islander students in the state were proficient or advanced on 2014 Reading TCAP? What was their median growth percentile (MGP)? Did they meet adequate growth percentiles (AGP)?**
 - How do these results compare to your district(s)?
 - Remember to apply appropriate exclusions based on state, district, or school level
- **How do these results change when EL status is added as a second grouping variable?**

Thank You!

Please call or email us with questions

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