# Using the Secure Data Center

New EMIS Coordinator Training · August, 2021

Letitia Linville

# Secure Data Center (SDC), 1

- Provides schools and districts with access to Local Report Card data and other Reports for Analysis
- Enables research into ODE's data, including drilling to individual student-level data
- Should be used in conjunction with other reports provided by the Department

# Secure Data Center (SDC), 2

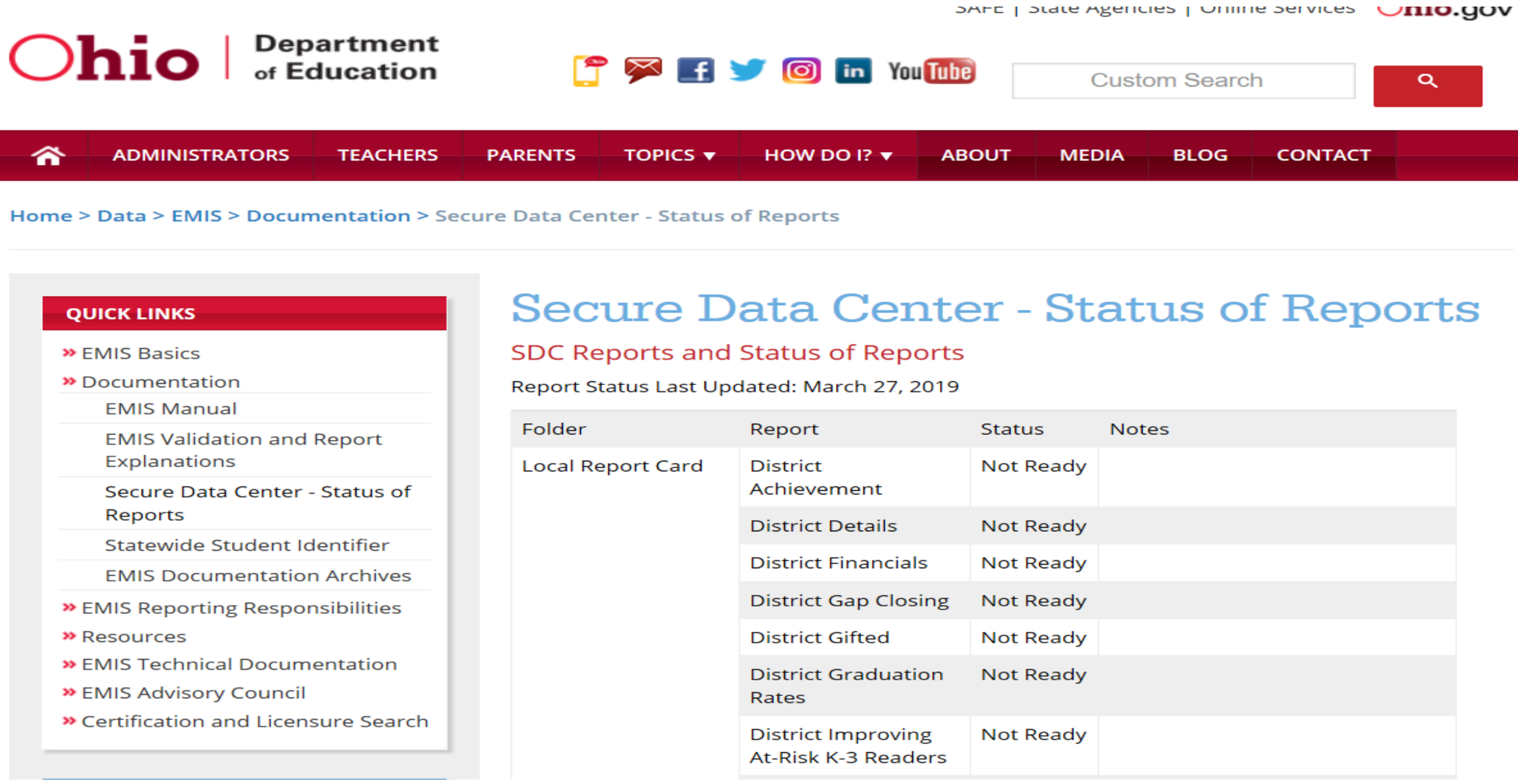
- The Department offers a variety of data reports for review. The Secure Data Center is only *one way* that districts/schools can review/validate their data.
  - Level 2 Reports
  - Files distributed through the Data Collector
  - ODDEX

# Data in the SDC

- Your district/school data as submitted to EMIS
  - Populated by ODE
    - Monday, Wednesday, and Friday
    - For example, data reported to ODE on Monday will appear in the SDC on Wednesday. Data reported on Thursday at 5pm will appear on Friday.
- SDC may be closed while data is being populated
- Other SDC closures, as needed
  - To resolve issues that need resolution before next scheduled release

# Status of Reports

http://education.ohio.gov/Topics/Data/EMIS/EMIS-Documentation/Secure-Data-Center-Status-of-Reports




| Folder | Report | Status | Notes |
|---|---|---|---|
| Local Report Card | District Achievement | Not Ready | |
| | District Details | Not Ready | |
| | District Financials | Not Ready | |
| | District Gap Closing | Not Ready | |
| | District Gifted | Not Ready | |
| | District Graduation Rates | Not Ready | |
| | District Improving At-Risk K-3 Readers | Not Ready | |

# SDC Migration Project

# Secure Data Center Migration

- In 2020 the Department convened an EMIS Advisory Council Secure Data Center Workgroup to review the current system and provide suggestions for the new system.
- Some of the recommendations for the new system have already been incorporated into the reports you will see today.
- Other recommendations will be incorporated in the future as we continue to refine our new system.

# Old vs. New SDC

## Old SDC

- Based in Microstrategy
- Allowed for aggregate and drillable reports
- Few visuals
- Local Report Card reports only available for a single year

## New SDC

- Based in Power BI
- Aggregate and drillable reports
- Variety of visual displays
- Local Report Card reports available for multiple years

# Implementation Timeline (Draft)

- Both the old and new SDC will run in tandem for the 2021 school year. The old SDC will be retired some time in late 2021.
- Many reports in the new SDC are already available.
- The Department hopes to have all reports that are currently available in the old SDC migrated to the new SDC by the end of this year.
- New reports will be added on an ongoing basis.
- New this year – Career Technical Education Reports

# Accessing the SDC

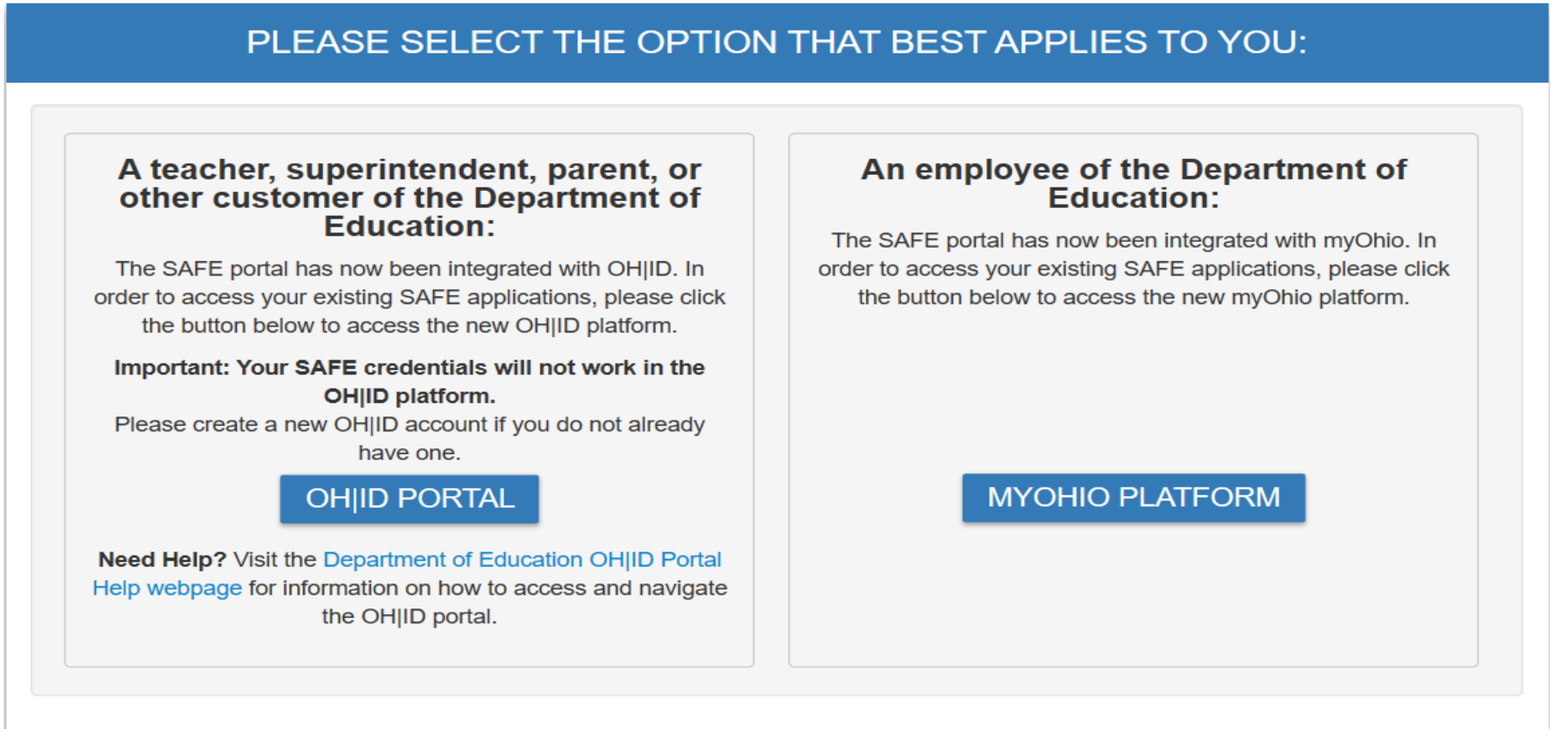
# SDC Access Requirements, 1

You must have an OH|ID account

- Register through LOGIN screen
- From ODE main webpage

# SDC Access Requirements, 2

Then select the OH|ID Portal option on the following screen to create or login to your account.



# SDC Access Requirements, 3

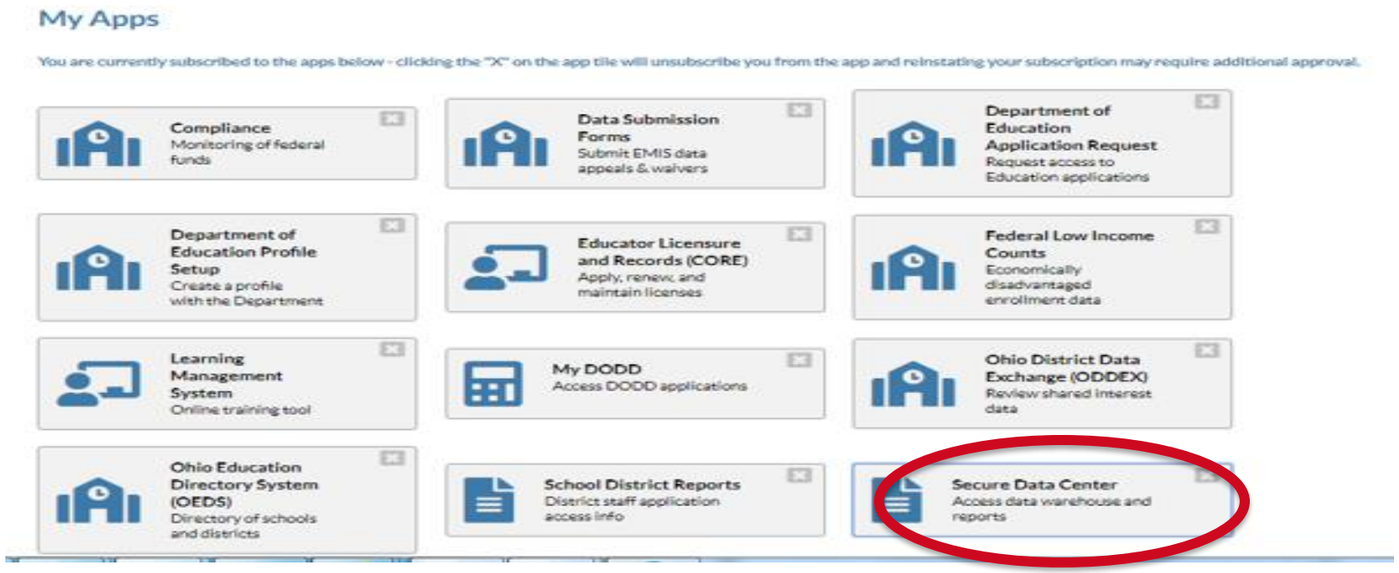
You must have an appropriate role in OEDS to access the SDC

- **SDC Standard Level Access**
  - Permits access to data at student subgroup level
- **SDC Student Level Access**
  - Permits access to individual student level data, including the SSID

# SDC Access – Old and New SDC

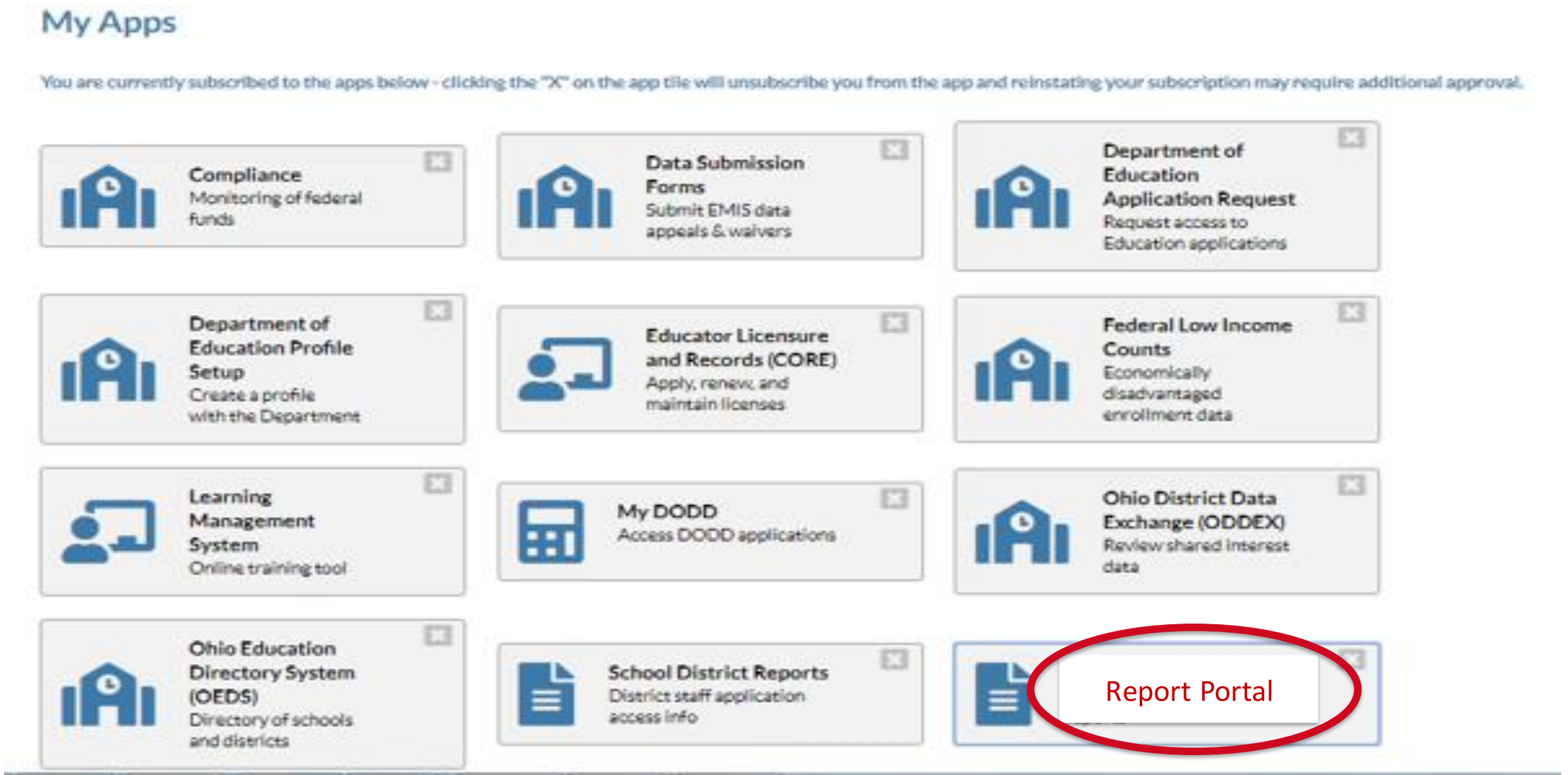
# Old SDC Access – OH|ID Portal, 1

- Log in to your OH|ID Account to view the list of Web Systems you can access
- If the SDC link is missing, contact your district/school OEDS Administrator




**Currently, this tile title is Secure Data Center. This tile takes you to the current SDC – referred to as "Old SDC" in this presentation**

# New SDC Access – OH|ID Portal, 2



# Folders vs. Tiles

- The old SDC used folders as a way to organize reports.
- The new SDC uses tiles as a way to organize reports.
- There is no significant difference between folders and tiles.
- We have tried to maintain a consistent organization structure as much as possible within the new SDC.
- Both folders and tiles provide an intuitive way to navigate to reports. For example, graduation reports were located within a Graduation folder in the old SDC, or by clicking on a Graduation tile in the new SDC.

# New SDC Access

## Ohio Department of Education Report Portal

**Welcome to the new Ohio Department of Education Report Portal!** ODE produces many reports providing information on a variety of topics. ODE is in the early stages of transitioning to a new reporting platform, and the Reports Portal currently contains reports for the following topics:

Select a report from the menu to run it. To help you zero in on the specific information you are looking for or to simply explore the data, most reports are interactive via dropdown lists, radio buttons, or check boxes.

### Public Data
Reports for public districts and schools using academic, attendance, enrollment and financial data.

### Teacher Reports
Reports about Principals, Teachers and Other Staff.

### Finance
Reports about School Foundation Payments and Five Year Forecast.

### Secure Data Center
Reports available to Districts and other LEAs depicting local report card measures.

# Navigating the SDC

# Old SDC Folders

## Local Report Card

Documents depicting preliminary Ohio Report Card results, based on the most current EMIS data.

## Reports for Analysis

This folder contains reports for research and analysis. They are generally grids of data that can be manipulated, including sorting, rearranging rows and columns, and drill-down operations.

## Documentation & Resources

Click for Secure Data Center resources, including a downloadable User's Guide and Quick Reference Guide.

# New SDC Tiles

**Secure Data Center**

### Career and Technical Education
Reports about Career Tech Education data.

### Teacher and Staff
Reports about Principals, Teachers and Other Staff.

### Enrollment
Reports about Student Enrollment.

### Test Results
Reports about Ohio's State Tests.

### Graduation
Reports about High School Graduation Rates.

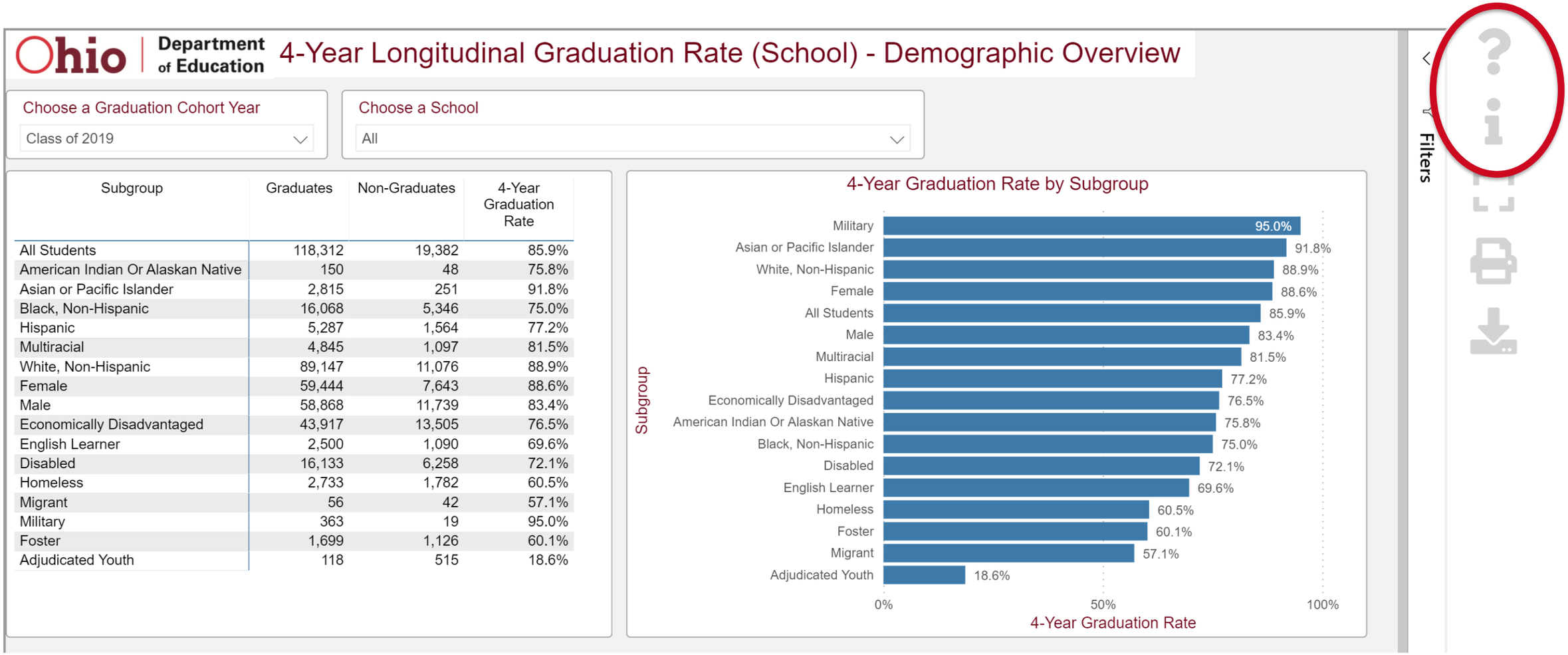
### Value Added
Reports about Value Added data.

### Improving At-Risk K-3 Readers
Reports about Diagnostic results, K-3 Literacy and Third Grade Reading Guarantee results.

### Local Report Card
Reports depicting local report card measures.

### Student Attendance
Reports about Absenteeism and Attendance.

# Documentation and Resources in the New SDC




| Subgroup | Graduates | Non-Graduates | 4-Year Graduation Rate |
|---|---|---|---|
| All Students | 118,312 | 19,382 | 85.9% |
| American Indian Or Alaskan Native | 150 | 48 | 75.8% |
| Asian or Pacific Islander | 2,815 | 251 | 91.8% |
| Black, Non-Hispanic | 16,068 | 5,346 | 75.0% |
| Hispanic | 5,287 | 1,564 | 77.2% |
| Multiracial | 4,845 | 1,097 | 81.5% |
| White, Non-Hispanic | 89,147 | 11,076 | 88.9% |
| Female | 59,444 | 7,643 | 88.6% |
| Male | 58,868 | 11,739 | 83.4% |
| Economically Disadvantaged | 43,917 | 13,505 | 76.5% |
| English Learner | 2,500 | 1,090 | 69.6% |
| Disabled | 16,133 | 6,258 | 72.1% |
| Homeless | 2,733 | 1,782 | 60.5% |
| Migrant | 56 | 42 | 57.1% |
| Military | 363 | 19 | 95.0% |
| Foster | 1,699 | 1,126 | 60.1% |
| Adjudicated Youth | 118 | 515 | 18.6% |

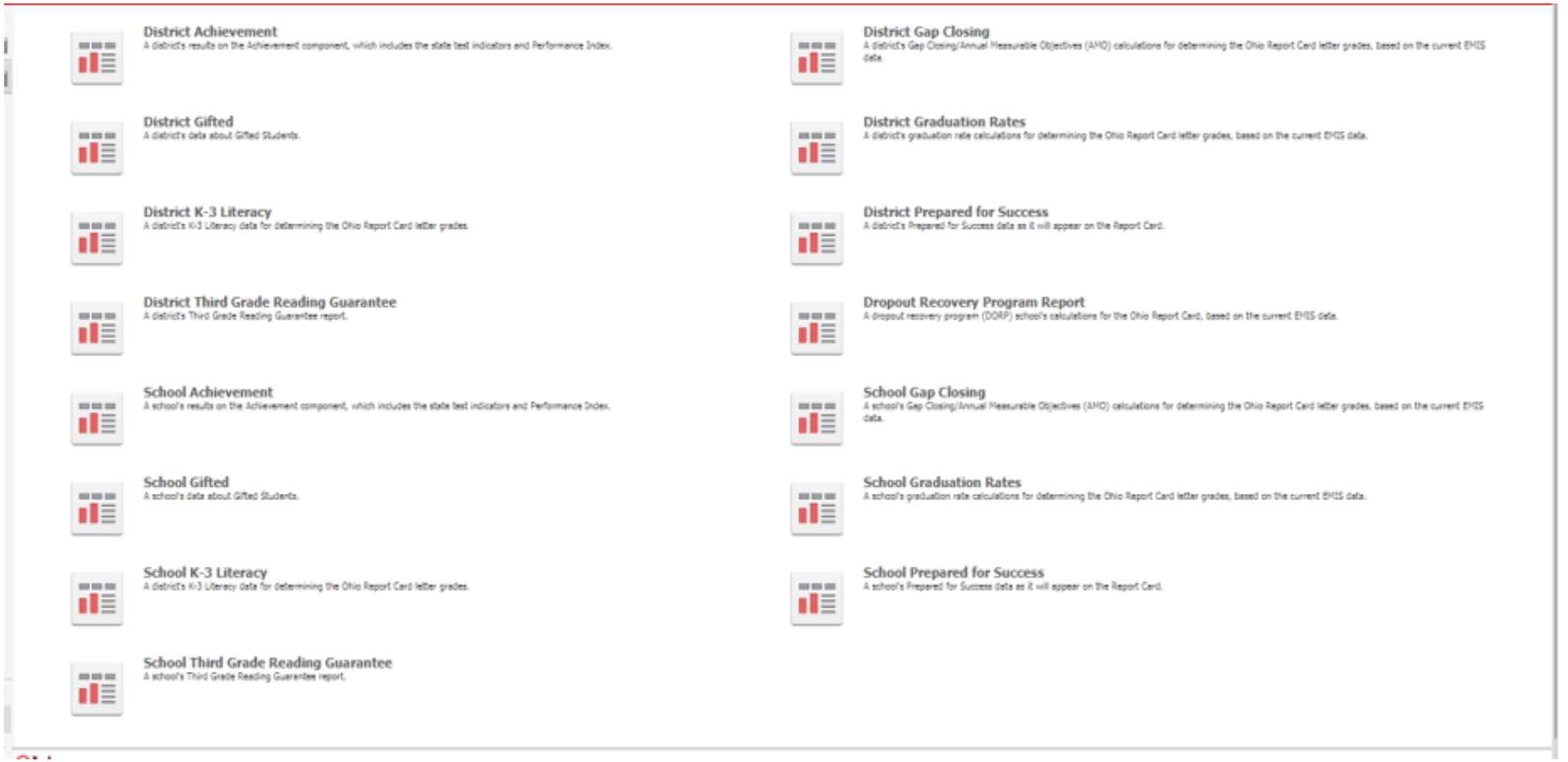
# Local Report Card vs. Reports for Analysis

- **Local Report Card folder**
  - High level reports focused on report card-specific measures
  - Useful for seeing what will appear on the upcoming Report Card
  - New SDC only – Useful for comparing Report Card results across multiple years. (Currently 2018-2021. We will build out to 5 years of data on a rolling basis.)
- **Reports for Analysis folder**
  - Detailed reports for a variety of report card and non report card-related data.
  - Ability to see individual student- or staff-level information
  - Some folders/reports updated with data from different/multiple reporting collections
  - Useful for data review/verification, comparing data across multiple years

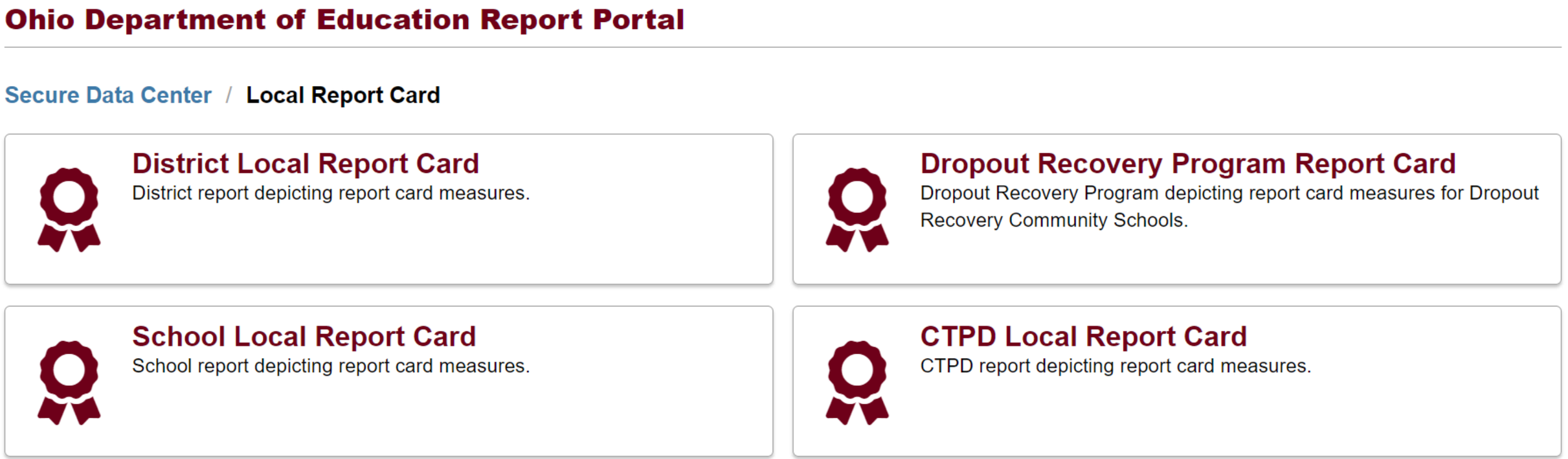
# Reports for Analysis

- **Current Data vs. Customizable – Old SDC Only**
  - Reports marked as “Current” are based on the current/last reporting year
  - Reports marked as “Custom” allow year selection
- **Teachers and Staff Reports**
  - Mostly from Initial Staff/Course (L) Collection
  - Not all reports Accountability related
- **New SDC Only**
  - “Current“ and “Custom” reports have been consolidated into a single report by subject area
  - Reports contain up to 5 years of data on a rolling basis
- **Teachers and Staff Reports**
  - Mostly from Initial Staff/Course (L) Collection
  - Not all reports Accountability related

# Local Report Card Folder – Old SDC

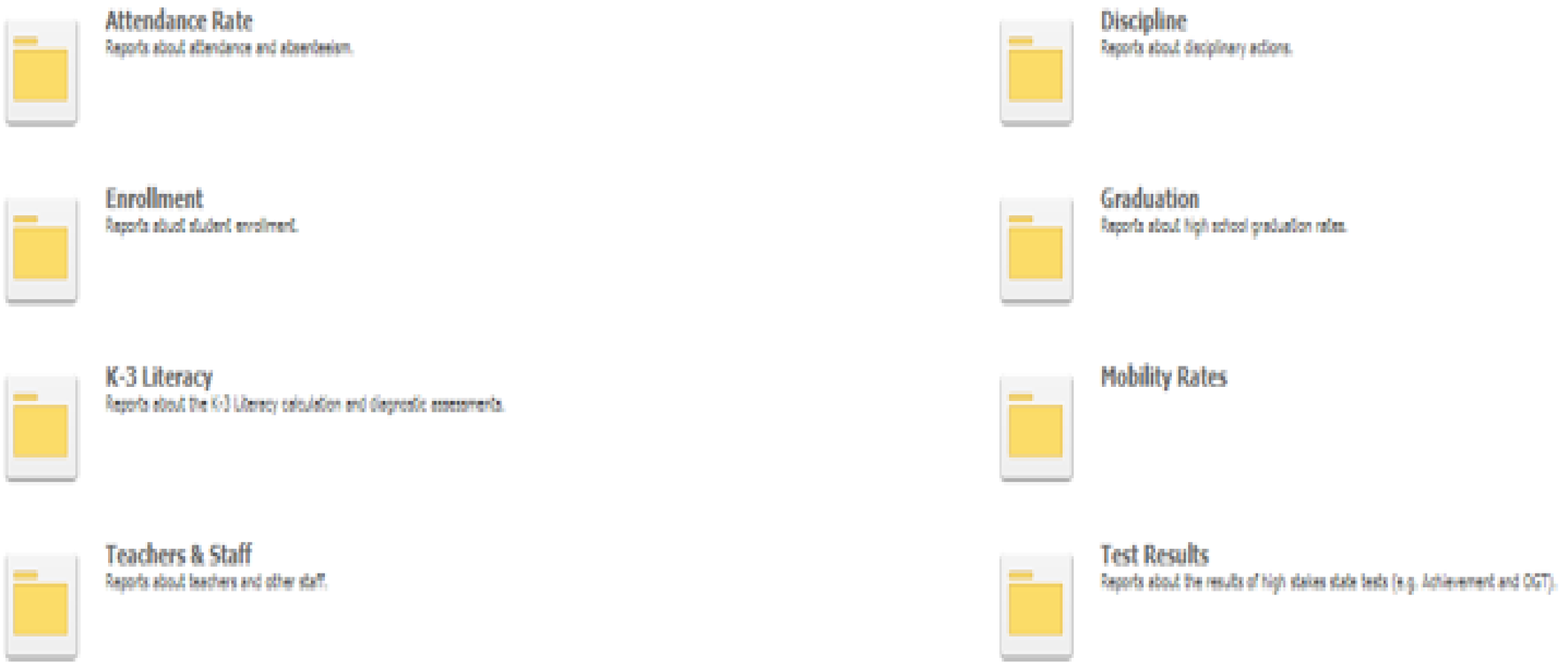


# Local Report Card Tile – New SDC




**Users may see a combination of district- and school-level reports depending upon their specific access levels. Various individual reports available within the old SDC have been consolidated into a single district, school, dropout prevention and recovery or CTPD local report card report.**

# Reports for Analysis Folders – Old SDC, 1




Ohio.gov | Mike DeWine, Governor | Paolo DeMaria, Superintendent of Public Instruction | State Board | ODE Home | Privacy | Contact ODE | Ohio Home

# Reports for Analysis Folders – Old SDC, 2

**District 4-Year Federal Graduation Rate - Current Data**
**Owner:** Administrator
**Modified:**
2/16/21 10:57:07 AM
Adjusted cohort (longitudinal) graduation rate for a district. The "current data" is actually lagged one year due to the timing of the EMIS data collection and the Local Report Card publication date.

**District 5-Year Graduation Rate - Current Data**
**Owner:** Administrator
**Modified:**
3/12/20 10:23:34 AM
Adjusted cohort (longitudinal) 5-year graduation rate for a district. "Current data" implies the graduating class of two years ago.

**School 4-Year Federal Graduation Rate - Current Data**
**Owner:** Administrator
**Modified:**
2/16/21 10:57:07 AM
Adjusted cohort (longitudinal) graduation rate for a district. The "current data" is actually lagged one year due to the timing of the EMIS data collection and the Local Report Card publication date.

**School 5-Year Graduation Rate - Current Data**
**Owner:** Administrator
**Modified:**
3/12/20 10:23:29 AM
Adjusted cohort (longitudinal) 5-year graduation rate for a school. "Current data" implies the graduating class of two years ago.

**School 7-Year Graduation Rate - Current Data**
**Owner:** Administrator
**Modified:**
3/12/20 10:23:45 AM
Adjusted cohort (longitudinal) 7-year graduation rate for a school. "Current data" implies the graduating class of four years ago. Note: Only Dropout Recovery schools have this data.

**School Graduation Rate - Customizable**
**Owner:** Administrator
**Modified:**
3/12/20 10:24:11 AM
Adjusted cohort (longitudinal) graduation rate for a school.

**District 4-Year Graduation Rate - Current Data**
**Owner:** Administrator
**Modified:**
3/12/20 10:24:18 AM
Adjusted cohort (longitudinal) graduation rate for a district. The "current data" is actually lagged one year due to the timing of the EMIS data collection and the Local Report Card publication date.

**District Graduation Rate - Customizable**
**Owner:** Administrator
**Modified:**
3/12/20 10:23:55 AM
Adjusted cohort (longitudinal) graduation rate for a district.

**School 4-Year Graduation Rate - Current Data**
**Owner:** Administrator
**Modified:**
3/12/20 10:24:23 AM
Adjusted cohort (longitudinal) graduation rate for a school. The "current data" is actually lagged one year due to the timing of the EMIS data collection and the Local Report Card publication date.

**School 6-Year Graduation Rate - Current Data**
**Owner:** Administrator
**Modified:**
3/12/20 10:23:51 AM
Adjusted cohort (longitudinal) 6-year graduation rate for a school. "Current data" implies the graduating class of three years ago. Note: Only Dropout Recovery schools have this data.

**School 8-Year Graduation Rate - Current Data**
**Owner:** Administrator
**Modified:**
3/12/20 10:24:15 AM
Adjusted cohort (longitudinal) 8-year graduation rate for a school. "Current data" implies the graduating class of five years ago. Note: Only Dropout Recovery schools have this data.

# Reports For Analysis Tiles – New SDC, 1

**Ohio Department of Education Report Portal**

**Secure Data Center**

**Career and Technical Education**
Reports about Career Tech Education data.

**Teacher and Staff**
Reports about Principals, Teachers and Other Staff.

**Enrollment**
Reports about Student Enrollment.

**Test Results**
Reports about Ohio's State Tests.

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**Local Report Card**
Reports depicting local report card measures.

**Student Attendance**
Reports about Absenteeism and Attendance.

# Reports for Analysis Tiles – New SDC, 2

Secure Data Center / **Graduation**

**District 4-Year Longitudinal Graduation Rate**
Graduation Rate results by district and demographics for students in the 4-year graduation rate.

**School 4-Year Longitudinal Graduation Rate**
Graduation Rate results by school and demographics for students in the 4-year graduation rate.

**District 4-Year Federal Longitudinal Graduation Rate**
Federal Graduation Rate results by district and demographics for students in the 4-year graduation rate.

**School 4-Year Federal Longitudinal Graduation Rate**
Federal Graduation Rate results by school and demographics for students in the 4-year graduation rate.

**District 5-Year Longitudinal Graduation Rate**
Graduation Rate results by district and demographics for students in the 5-year graduation rate.

**School 5-Year Longitudinal Graduation Rate**
Graduation Rate results by school and demographics for students in the 5-year graduation rate.

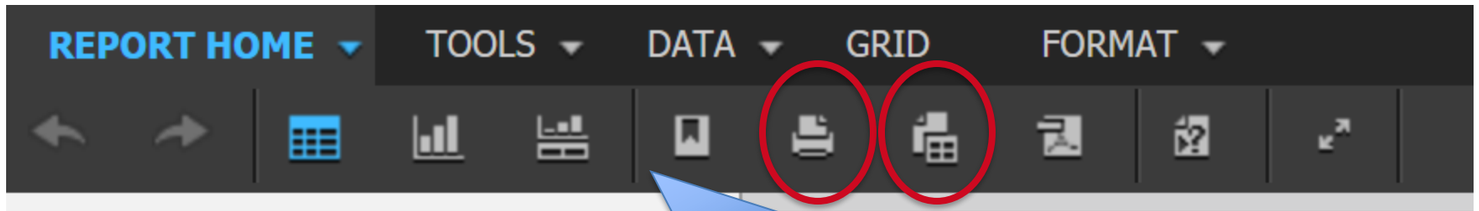
**School 6-Year Longitudinal Graduation Rate**
Graduation Rate results by school and demographics for students in the 6-year graduation rate. Extended cohrot graduation rate reports are calculated for Dropout Prevention and Recovery (DOPR) Community

**School 7-Year Longitudinal Graduation Rate**
Graduation Rate results by school and demographics for students in the 7-year graduation rate. Extended cohrot graduation rate reports are calculated for Dropout Prevention and Recovery (DOPR) Community

**School 8-Year Longitudinal Graduation Rate**
Graduation Rate results by school and demographics for students in the 8-year graduation rate. Extended cohrot graduation rate reports are calculated for Dropout Prevention and Recovery (DOPR) Community

# Exporting and Printing Data

Both the old and the new SDC allow the user to print the report and export data.




Old SDC Print Report

Old SDC Export Data

New SDC Print Report

New SDC Export Data

# Local Report Card Reports in the new SDC

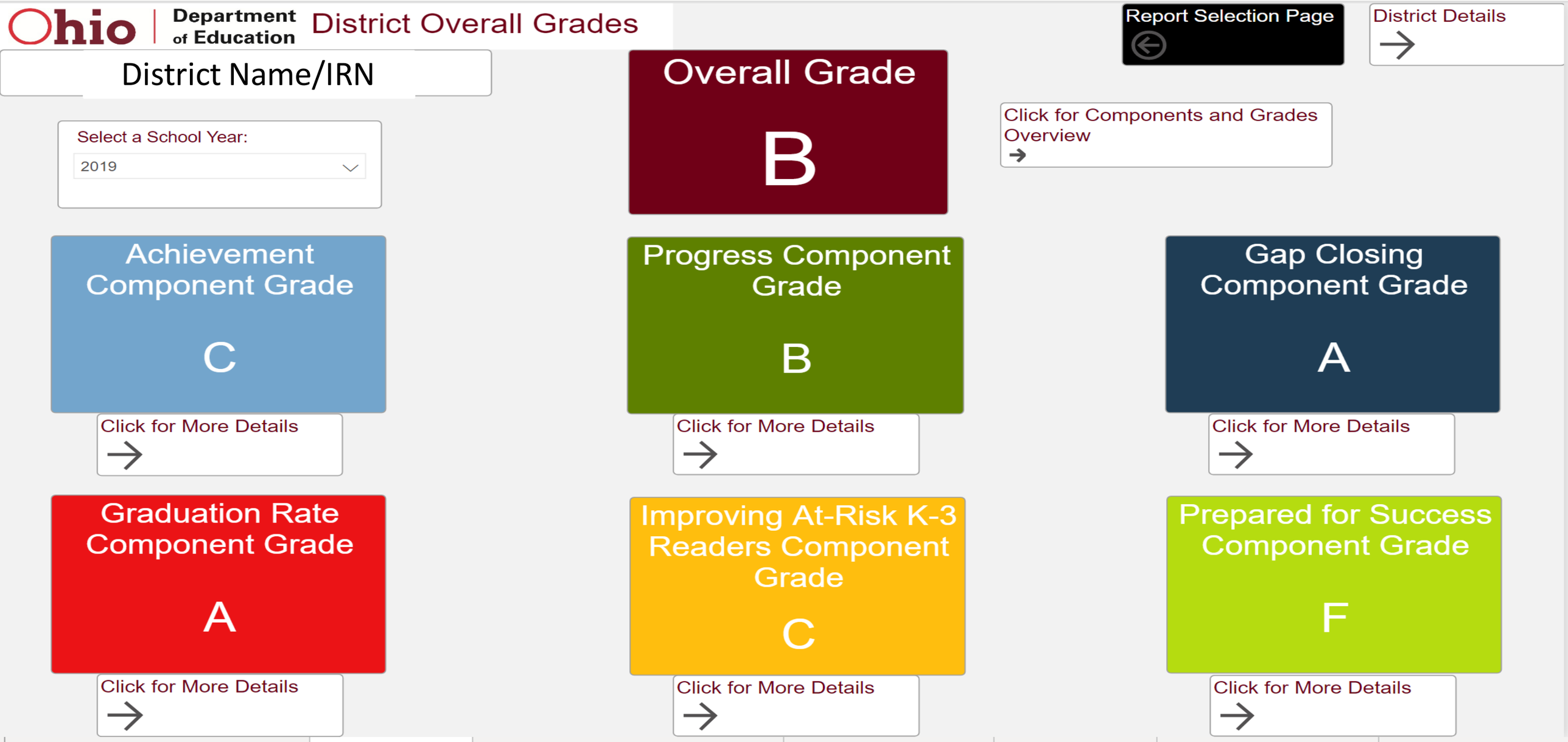
# Local Report Card Reports – New SDC

- Like in the old SDC, Local Report Card reports in the new SDC contain information that will be displayed on the report card, along with some additional data related to report card calculations.
- SSID-level data are **not** available in the Local Report Card reports.
- Data for the current school year are not final until all EMIS reporting/appeals windows are closed. **Graduation Rate data are an exception.*
- The new SDC contains data for multiple report card years to allow for easy comparison over time.
- The new Local Report Card reports are useful for data review/verification, but also for administrators who may have interest in using the reports for communication/planning purposes.

# New SDC – Local Report Card Landing Page

Four years of report card data will be available for selection in 2021, beginning with school year 2018.

# New SDC – District Overall Grades



# New SDC – District Component and Grades Overview

Ohio | Department of Education District Components and Grades Overview

Report Selection Page | Overall Grades | Overall Grade Details

District Name/IRN

Select a School Year: 2019

**Achievement Component Grade**: C

**Progress Component Grade**: B

**Gap Closing Component Grade**: A

**Performance Indicators**
F
41.70
Indicators Percent

**Performance Index**
C
78.90
Performance Index %

**Value-Added**
B Overall
C Gifted
B Lowest 20%
C Stdnts with Disabilities

**Gap Closing**
A
100.00
Gap Closing %

**Graduation Rate Component Grade**: A

**Improving At-Risk K-3 Readers Component Grade**: C

**Prepared for Success Component Grade**: F

**4-Year Graduation Rate**
A
95.10
4-Year Grad Rate %

**5-Year Graduation Rate**
B
93.20
5-Year Grad Rate %

**K-3 Literacy Improvement**
C
39.80
K-3 Improvement %

**Prepared for Success**
F
32.60
Prepared for Success %

# New SDC – District Details

Ohio | Department of Education District Details

District Name/IRN

Select a School Year: 2019

Report Selection Page

Overall Grades

School Choice Options

Address

County

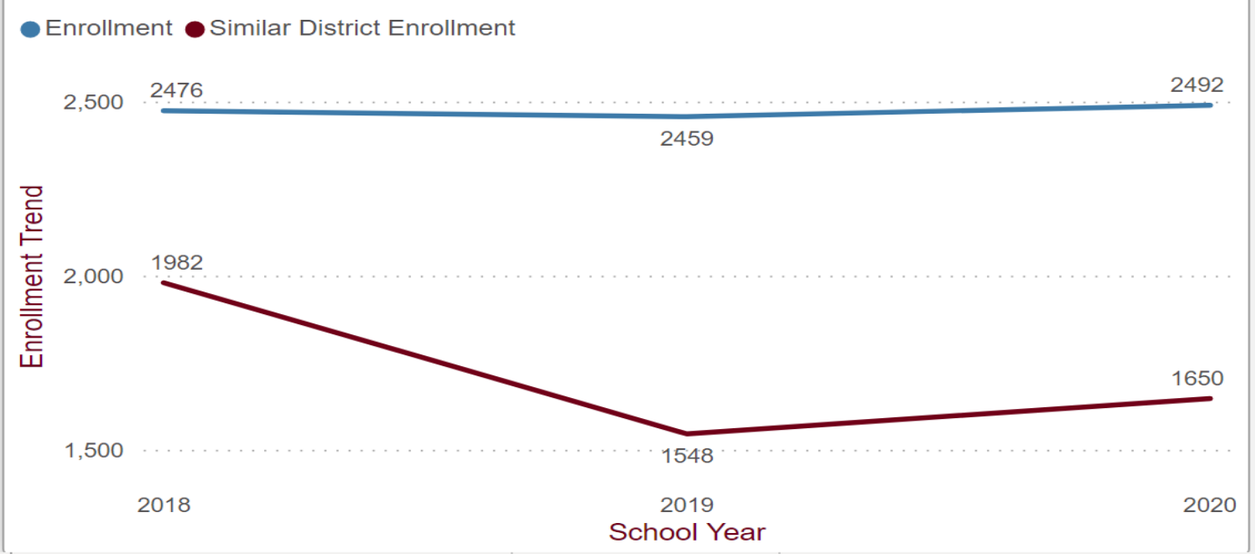
District Type

Superintendent

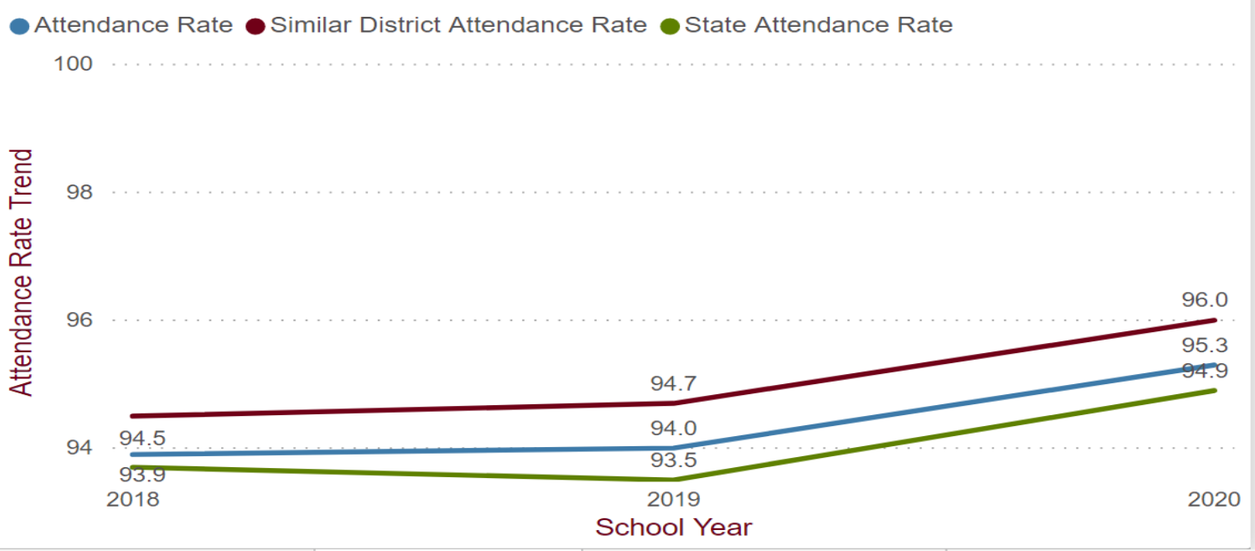
Phone Number

ITC

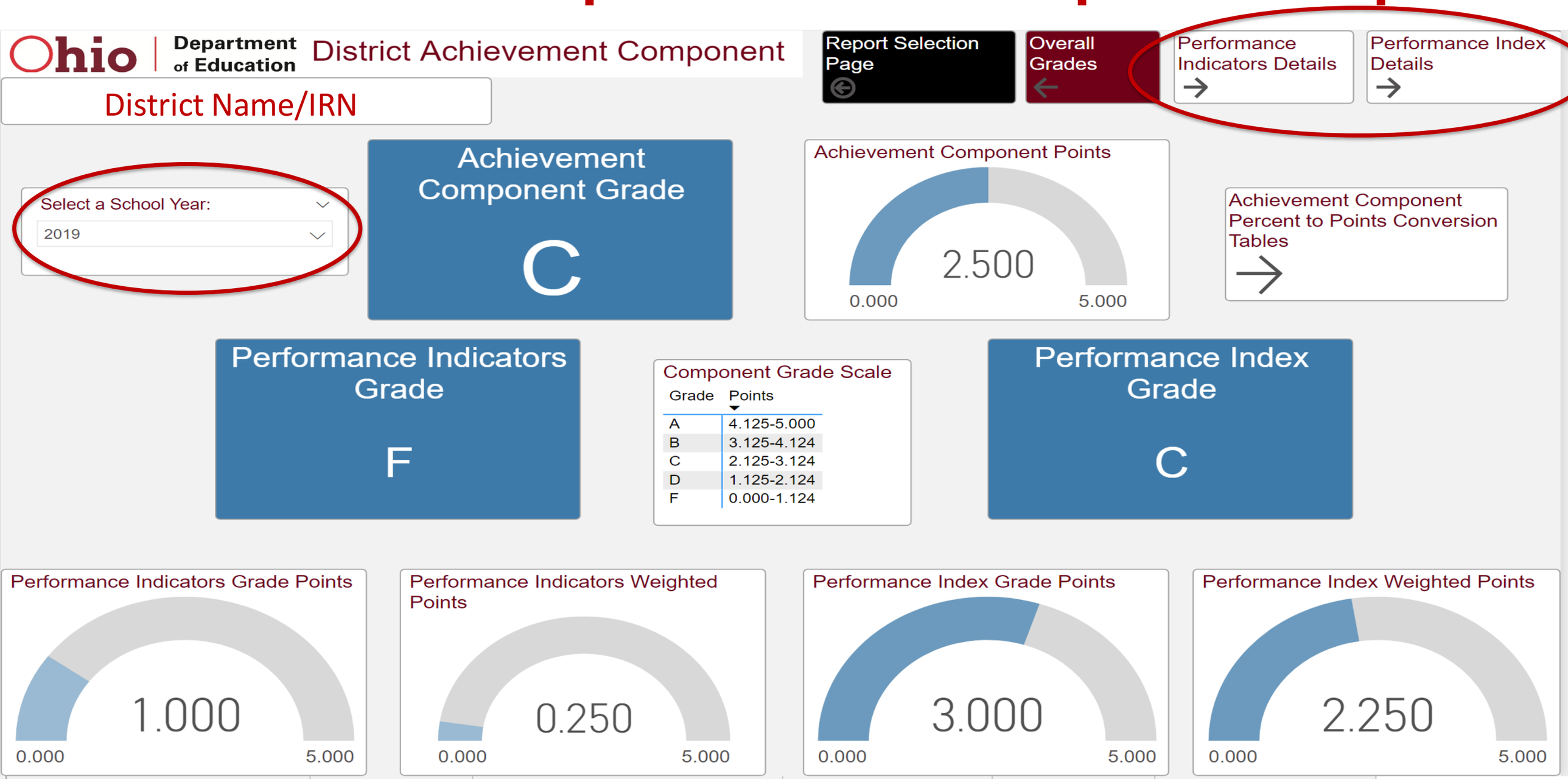
## Enrollment Trend




## Attendance Rate Trend



# New SDC – Component Grade Report Example



# New SDC – Visualization Examples

Ohio | Department of Education District Performance Index

District Name/IRN

Report Selection Page | Overall Grades | Achievement Component | Performance Indicators Details

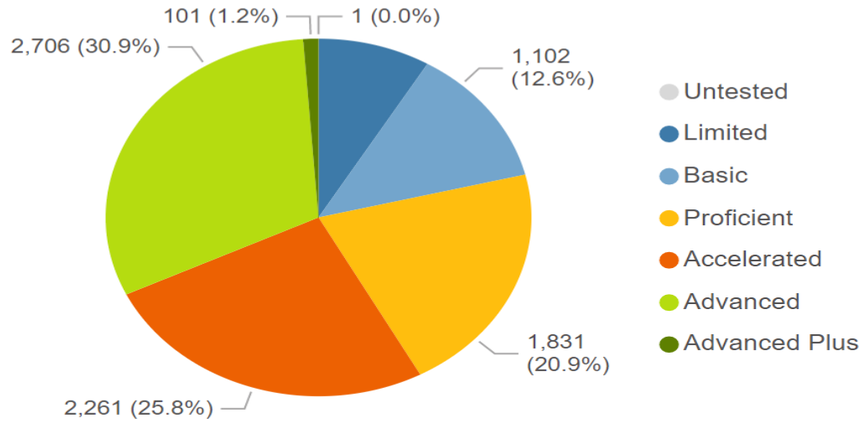
Select a School Year:

2018

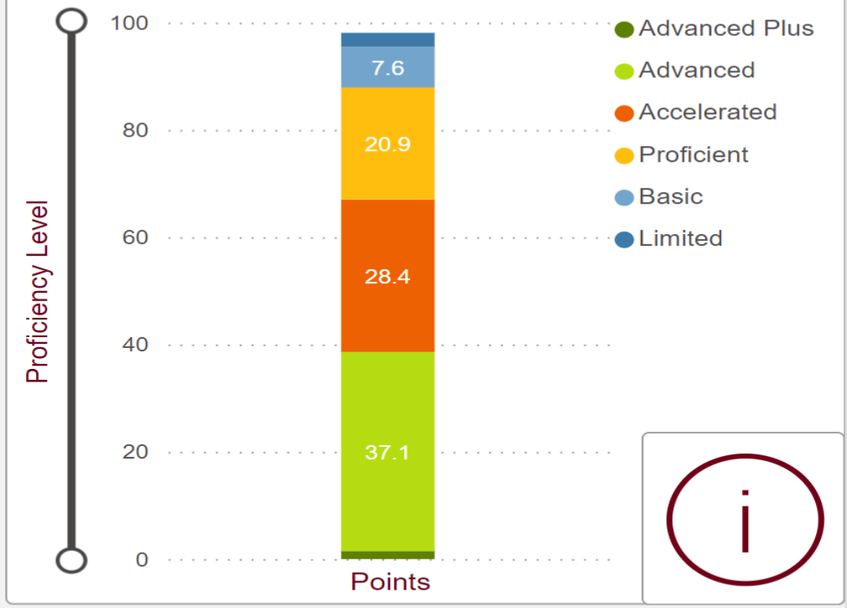
## Performance Index Grade

B

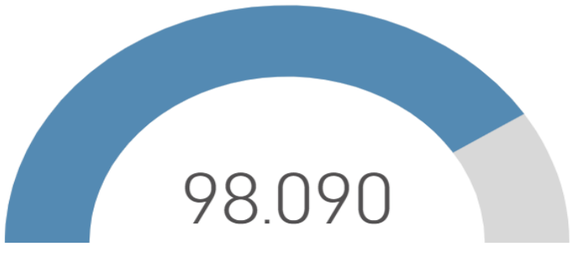
## Tests by Proficiency Level




## Points by Proficiency Level




## Performance Index



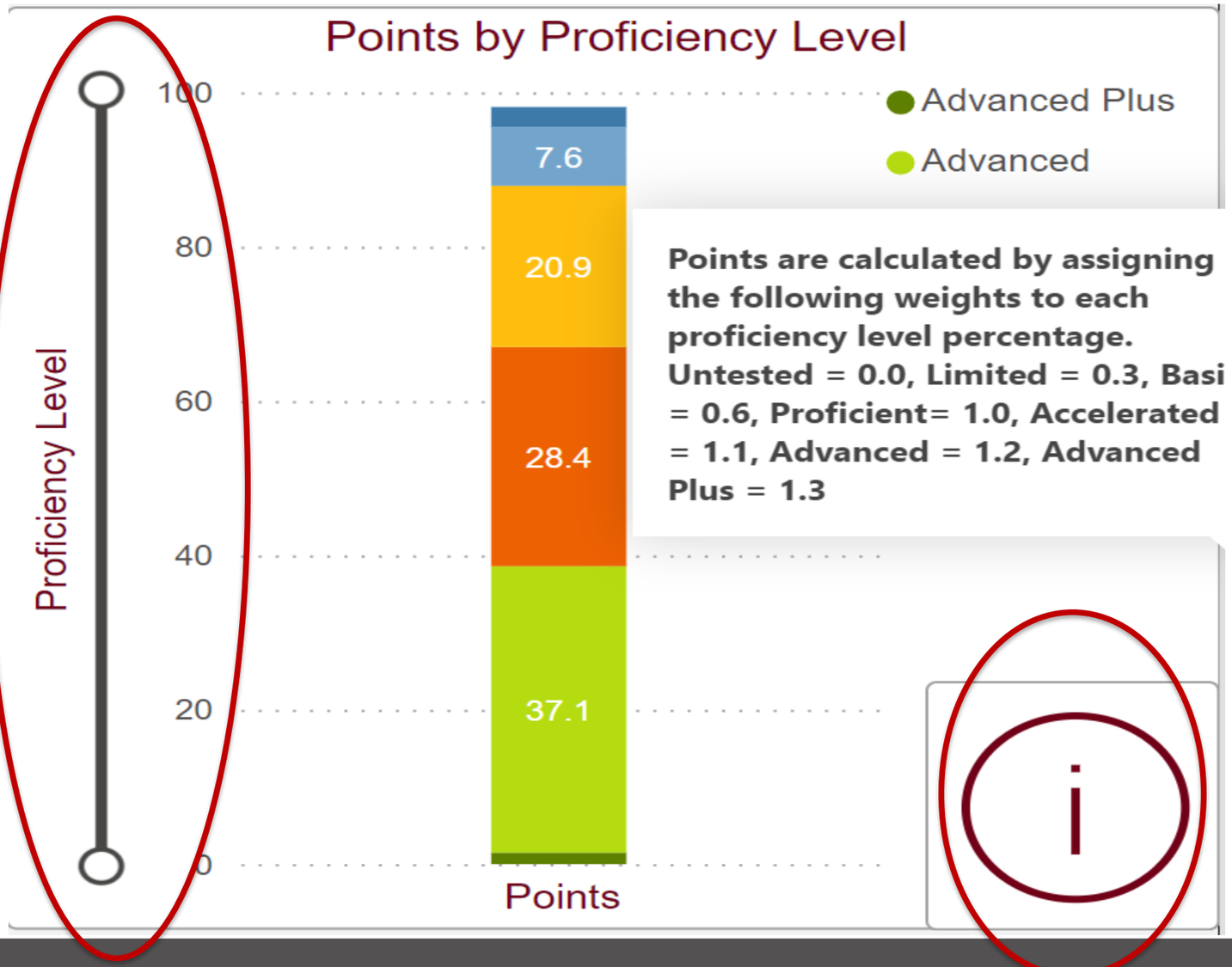

## Performance Index Percent

81.7

## Performance Index Grade Scale

| Grade | Percent |
|---|---|
| A | >= 90% - 100% |
| B | >= 80% - < 90% |
| C | >= 70% - < 80% |
| D | >= 50% - < 70% |
| F | 0% - < 50% |

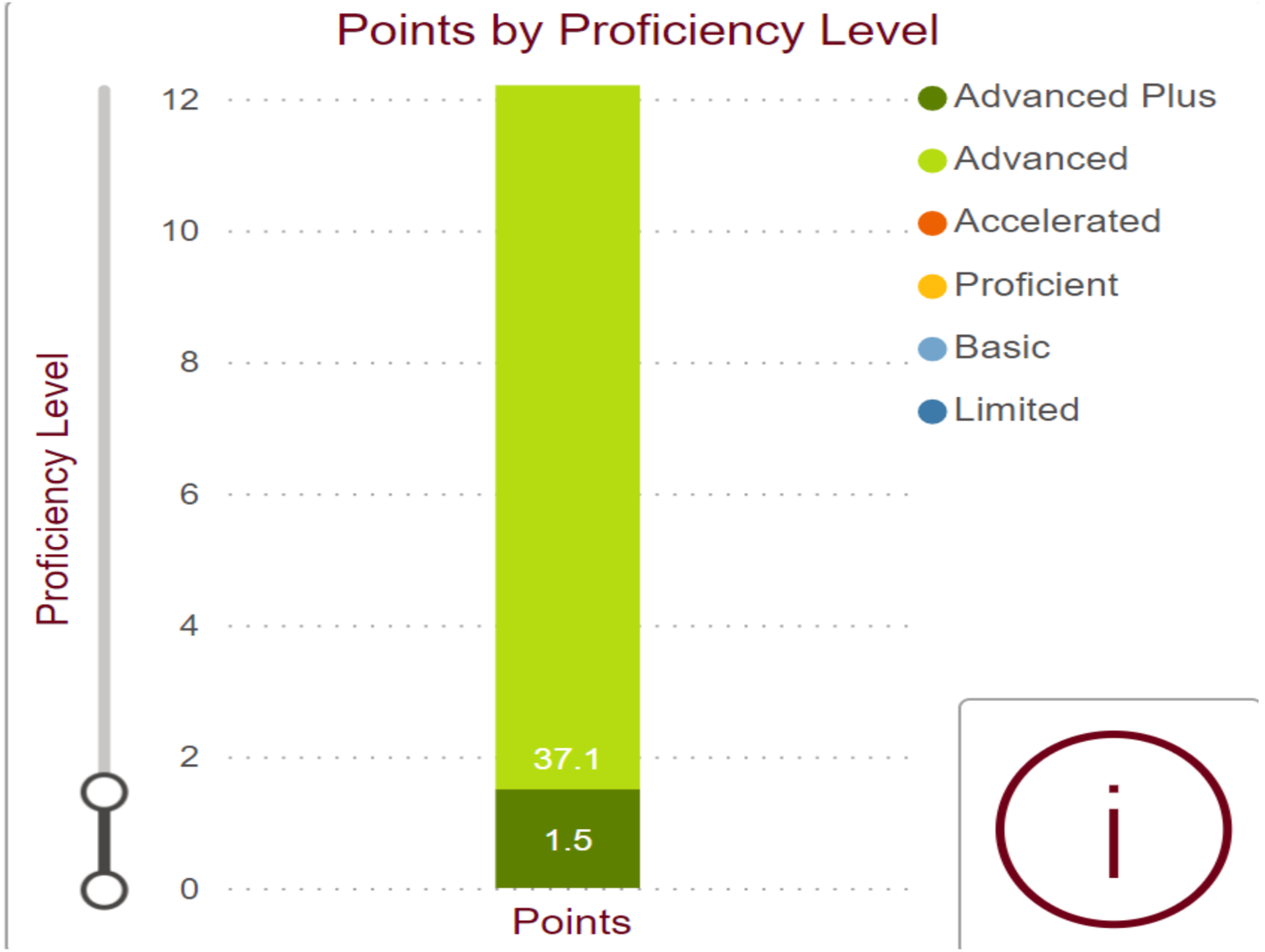
# New SDC – “i” and Zoom Slider




Some visuals may contain a “Zoom Slider”. In this example, the zoom slider allows the user to zoom up and down the stacked bar chart to enlarge specific bars.

An “i” on top of a visual indicates that additional information about the data is provided. Hover over the “i” to see the additional information.

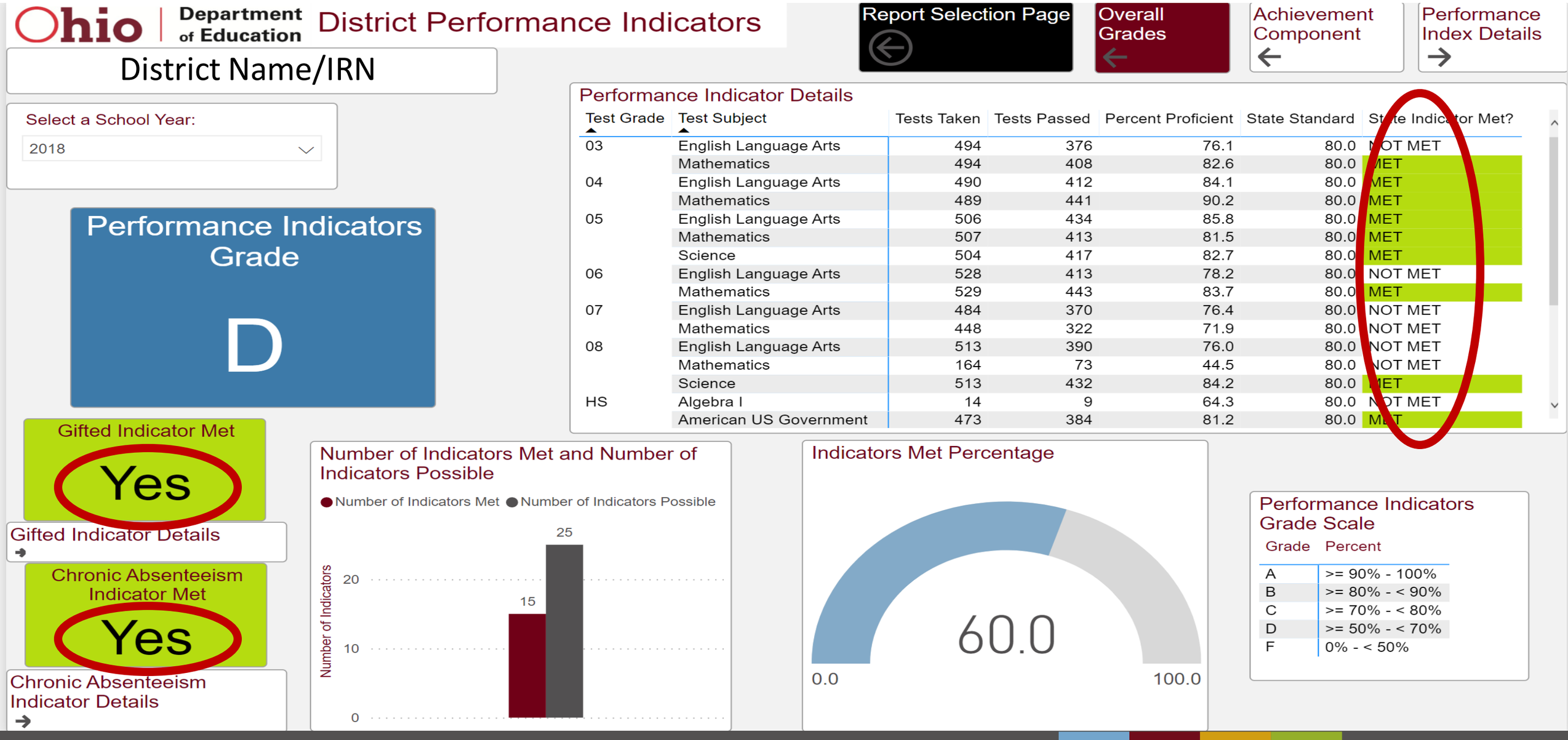
# New SDC – Zoom Slider Example




This example shows what happens when the user moves slider up or down.

The data appearing on the smallest bar on the bottom of the chart is now easily read.

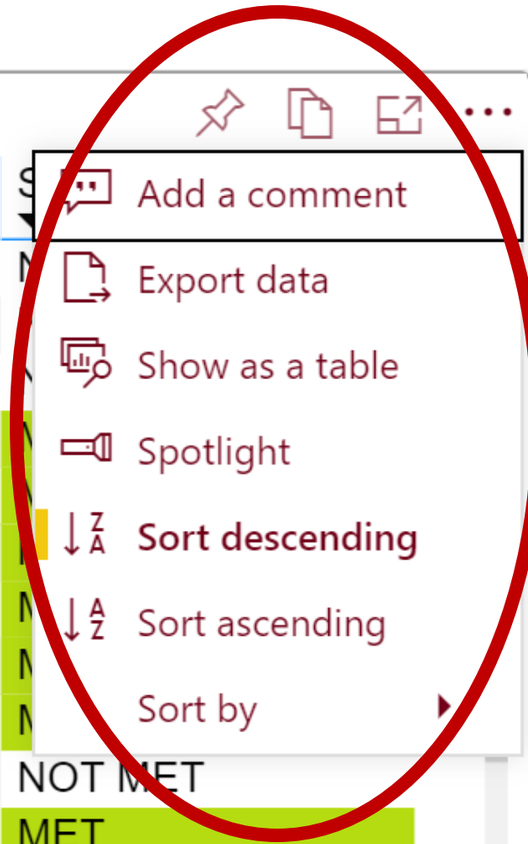
# New SDC – Additional Visuals and Features



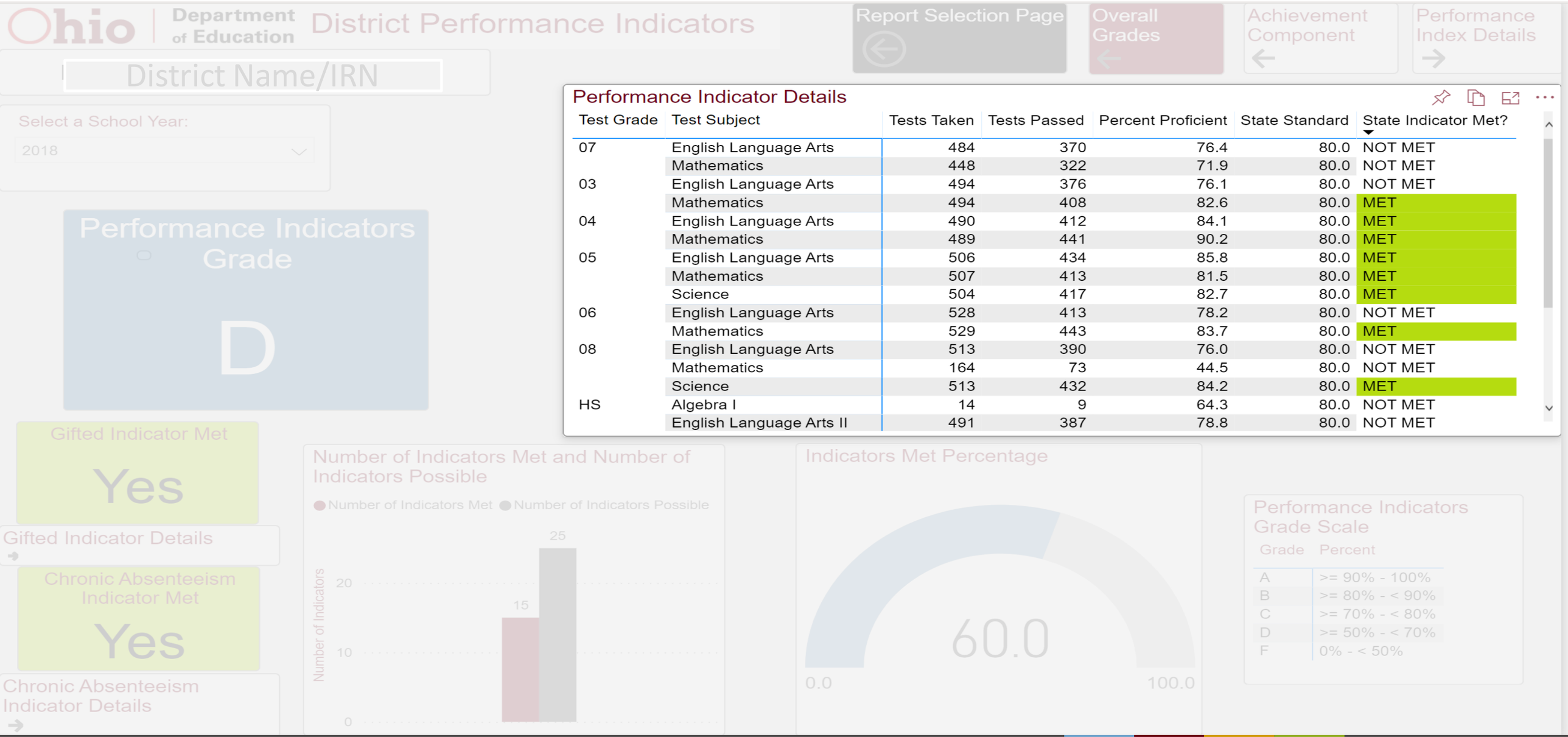
# New SDC – More Options for Viewing Data

## Performance Indicator Details

| Test Grade | Test Subject | Tests Taken | Tests Passed | Percent Proficient | State Standard | S |
|---|---|---|---|---|---|---|
| 07 | English Language Arts | 484 | 370 | 76.4 | 80.0 | N |
| | Mathematics | 448 | 322 | 71.9 | 80.0 | |
| 03 | English Language Arts | 494 | 376 | 76.1 | 80.0 | |
| | Mathematics | 494 | 408 | 82.6 | 80.0 | |
| 04 | English Language Arts | 490 | 412 | 84.1 | 80.0 | |
| | Mathematics | 489 | 441 | 90.2 | 80.0 | |
| 05 | English Language Arts | 506 | 434 | 85.8 | 80.0 | N |
| | Mathematics | 507 | 413 | 81.5 | 80.0 | N |
| | Science | 504 | 417 | 82.7 | 80.0 | N |
| 06 | English Language Arts | 528 | 413 | 78.2 | 80.0 | NOT MET |
| | Mathematics | 529 | 443 | 83.7 | 80.0 | MET |
| 08 | English Language Arts | 513 | 390 | 76.0 | 80.0 | NOT MET |
| | Mathematics | 164 | 73 | 44.5 | 80.0 | NOT MET |
| | Science | 513 | 432 | 84.2 | 80.0 | MET |
| HS | Algebra I | 14 | 9 | 64.3 | 80.0 | NOT MET |
| | English Language Arts II | 491 | 387 | 78.8 | 80.0 | NOT MET |



# New SDC - Spotlight

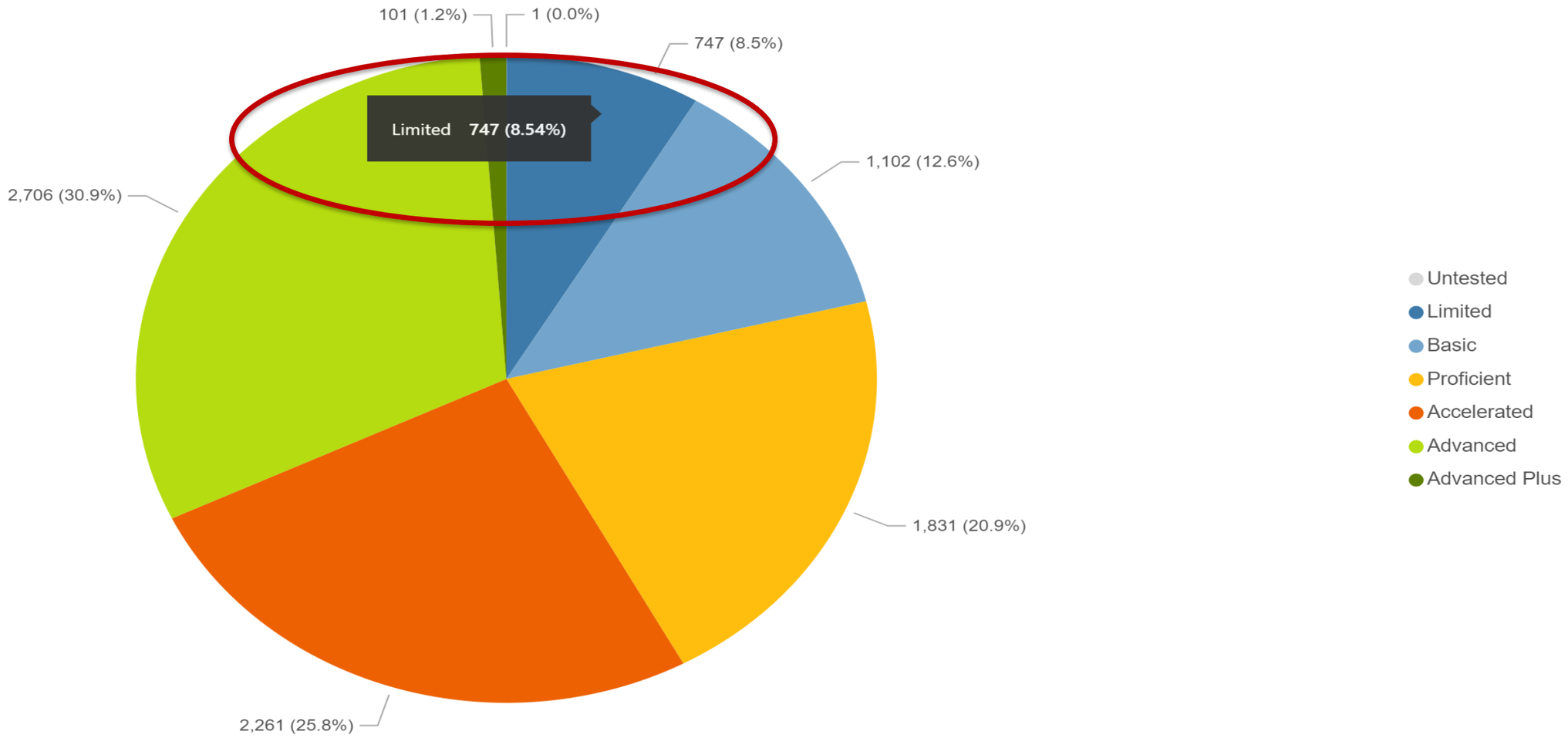



## Performance Indicator Details

| Test Grade | Test Subject | Tests Taken | Tests Passed | Percent Proficient | State Standard | State Indicator Met? |
|---|---|---|---|---|---|---|
| 07 | English Language Arts | 484 | 370 | 76.4 | 80.0 | NOT MET |
| | Mathematics | 448 | 322 | 71.9 | 80.0 | NOT MET |
| 03 | English Language Arts | 494 | 376 | 76.1 | 80.0 | NOT MET |
| | Mathematics | 494 | 408 | 82.6 | 80.0 | MET |
| 04 | English Language Arts | 490 | 412 | 84.1 | 80.0 | MET |
| | Mathematics | 489 | 441 | 90.2 | 80.0 | MET |
| 05 | English Language Arts | 506 | 434 | 85.8 | 80.0 | MET |
| | Mathematics | 507 | 413 | 81.5 | 80.0 | MET |
| | Science | 504 | 417 | 82.7 | 80.0 | MET |
| 06 | English Language Arts | 528 | 413 | 78.2 | 80.0 | NOT MET |
| | Mathematics | 529 | 443 | 83.7 | 80.0 | MET |
| 08 | English Language Arts | 513 | 390 | 76.0 | 80.0 | NOT MET |
| | Mathematics | 164 | 73 | 44.5 | 80.0 | NOT MET |
| | Science | 513 | 432 | 84.2 | 80.0 | MET |
| HS | Algebra I | 14 | 9 | 64.3 | 80.0 | NOT MET |
| | English Language Arts II | 491 | 387 | 78.8 | 80.0 | NOT MET |

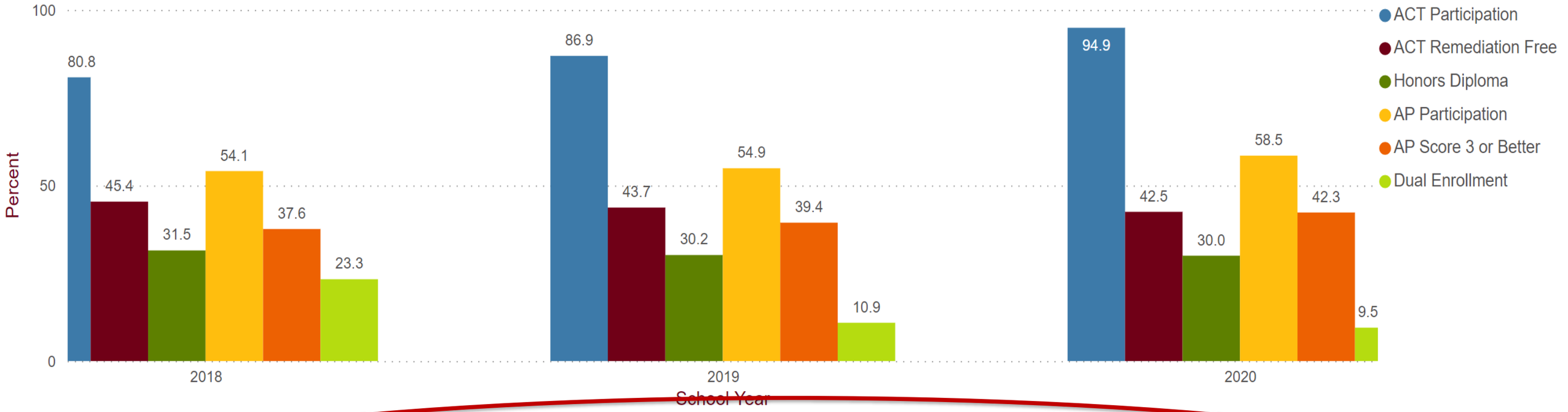
# New SDC – Focus and Tooltips

Back to report | TESTS BY PROFICIENCY LEVEL



# New SDC – Show as Table

Back to report | PREPARED FOR SUCCESS DETAILS




| School Year | ACT Participation | ACT Remediation Free | Honors Diploma | AP Participation | AP Score 3 or Better | Dual Enrollment | ACT Participation Count | ACT Remediation Free Count | Honors Diploma Count |
|---|---|---|---|---|---|---|---|---|---|
| 2018 | 80.80 | 45.40 | 31.50 | 54.10 | 37.60 | 23.30 | 846 | 475 | 330 |
| 2019 | 86.90 | 43.70 | 30.20 | 54.90 | 39.40 | 10.90 | 939 | 472 | 326 |
| 2020 | 94.90 | 42.50 | 30.00 | 58.50 | 42.30 | 9.50 | 958 | 429 | 303 |

# Reports for Analysis in the New SDC

# Reports for Analysis – New SDC, 1

- Like in the old SDC, Reports for Analysis in the new SDC contain more detailed data than the Local Report Card reports.
- Data appear in tables with some accompanying visuals to help the user quickly identify and interpret data.
- Reports for Analysis provides SSID-level information if users have the appropriate student level access. This helps in data review/verification.
- “Current” and “Customizable” reports have been consolidated into a single report containing 5 years of data.
- Data for the current school year are not final until all EMIS reporting/appeals windows are closed. **Graduation Rate data are an exception.*

# Reports for Analysis – New SDC, 2

- The new Reports for Analysis are useful for data review/verification, but also for administrators who may have interest in using the reports for communication/planning purposes.
- Many of the features discussed in the Local Report Card reports section are also available within the Reports for Analysis. Some additional features are discussed.

# New SDC – Graduation Rate Example, 1

- Demographic Overview
- District Disaggregate
- Trend
- SSID Detail

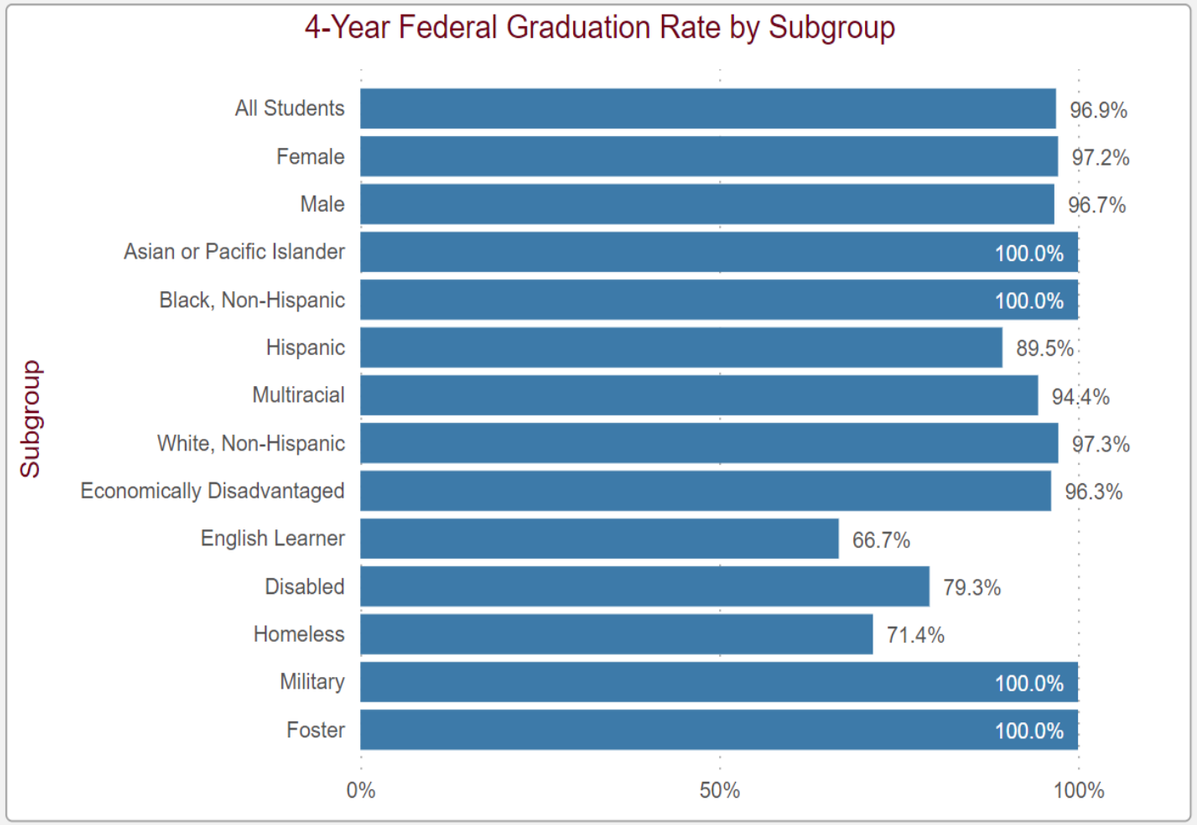
Ohio | Department of Education

## 4-Year Longitudinal Federal Graduation Rate (District) - Demographic Overview

Choose a Graduation Cohort

Class of 2020

| Subgroup | Graduates | Non-Graduates | 4-Year Federal Graduation Rate |
|---|---|---|---|
| All Students | 474 | 15 | 96.9% |
| Female | 210 | 6 | 97.2% |
| Male | 264 | 9 | 96.7% |
| Asian or Pacific Islander | 8 | 0 | 100.0% |
| Black, Non-Hispanic | 6 | 0 | 100.0% |
| Hispanic | 17 | 2 | 89.5% |
| Multiracial | 17 | 1 | 94.4% |
| White, Non-Hispanic | 426 | 12 | 97.3% |
| Economically Disadvantaged | 77 | 3 | 96.3% |
| English Learner | 2 | 1 | 66.7% |
| Disabled | 46 | 12 | 79.3% |
| Homeless | 5 | 2 | 71.4% |
| Military | 2 | 0 | 100.0% |
| Foster | 15 | 0 | 100.0% |



# New SDC – Graduation Rate Example, 2

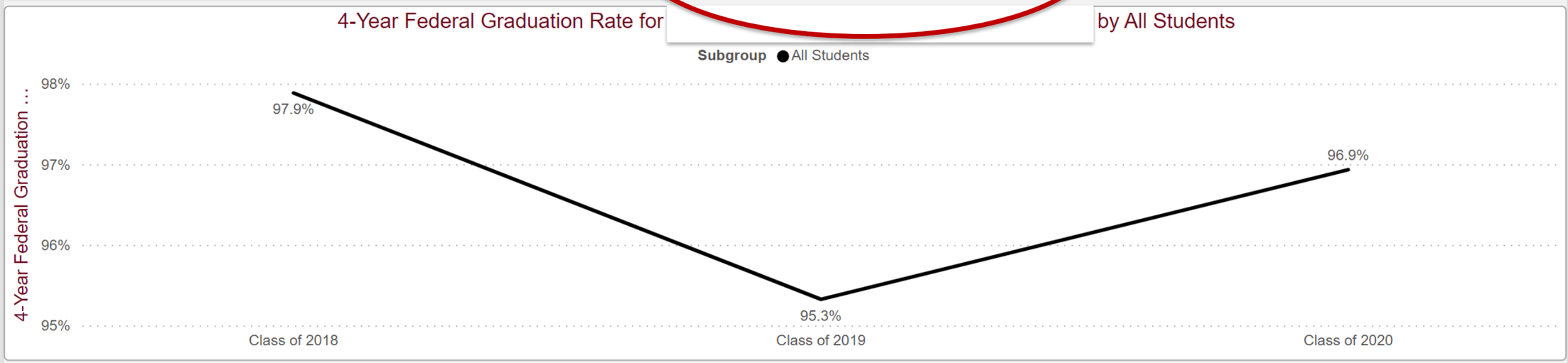
- Demographic Overview
- District Disaggregate
- **Trend**
- SSID Detail

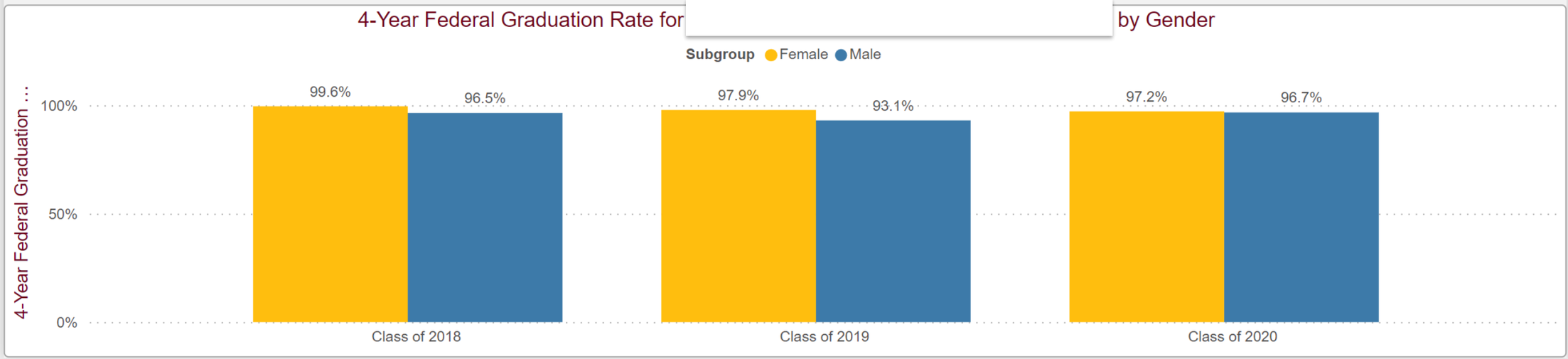
Ohio | Department of Education

## 4-Year Longitudinal Federal Graduation Rate (District) - 3 Years Trend

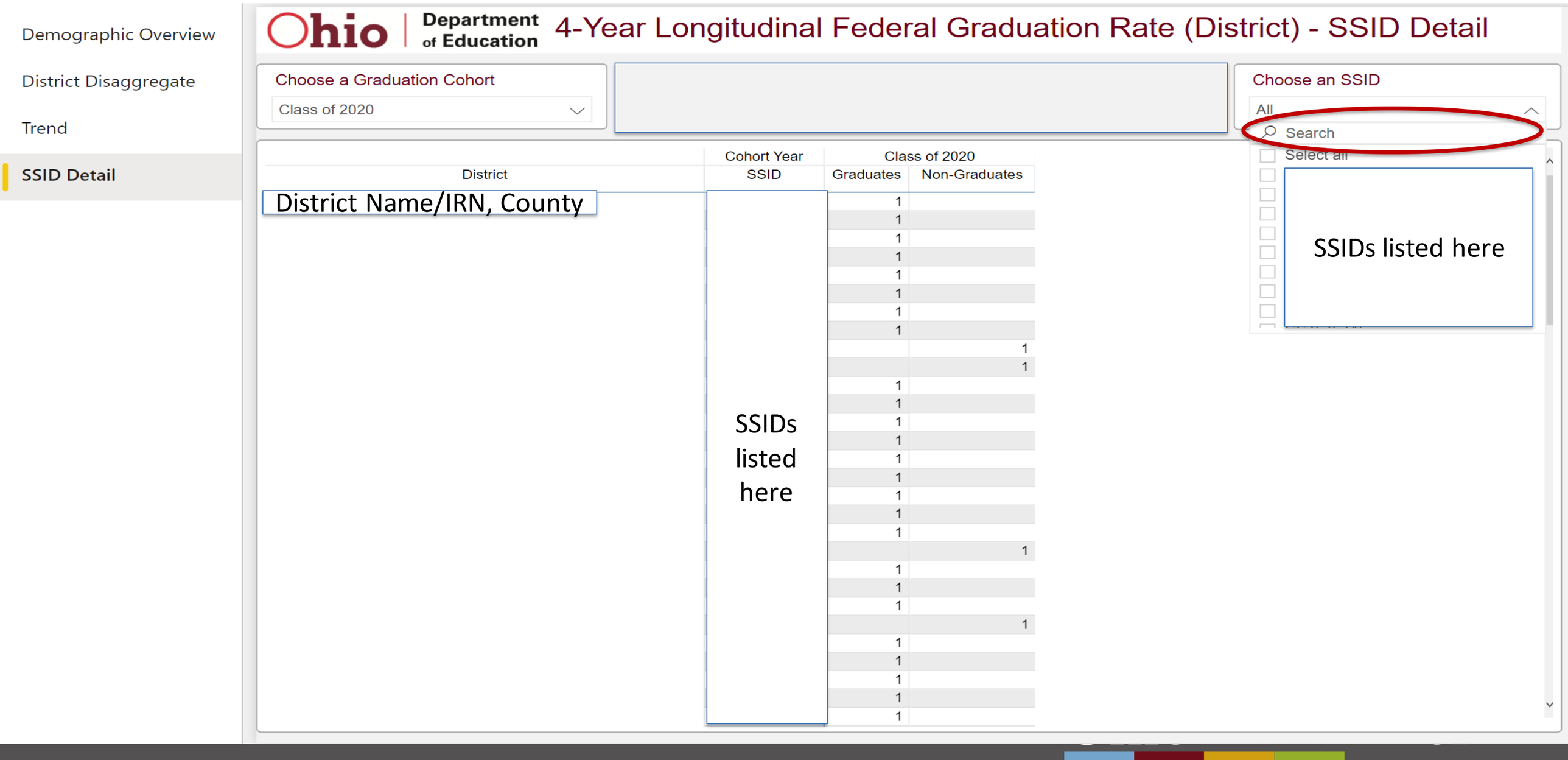
Choose a Subgroup Category

Gender



# New SDC – Graduation Rate Example, 3



# Questions?

@OHEducation

**For questions, please contact**
**Letitia.Linville@education.ohio.gov**

Ohio Department of Education