

Michigan's CTE Data Dashboards

Michigan Career Education Conference

January 30, 2018

Krishnan Sudharsan

Office of Career and Technical Education

Acknowledgements

- Members of the GAME unit & Program unit
- Local CTE Administrators
- PTD Technology

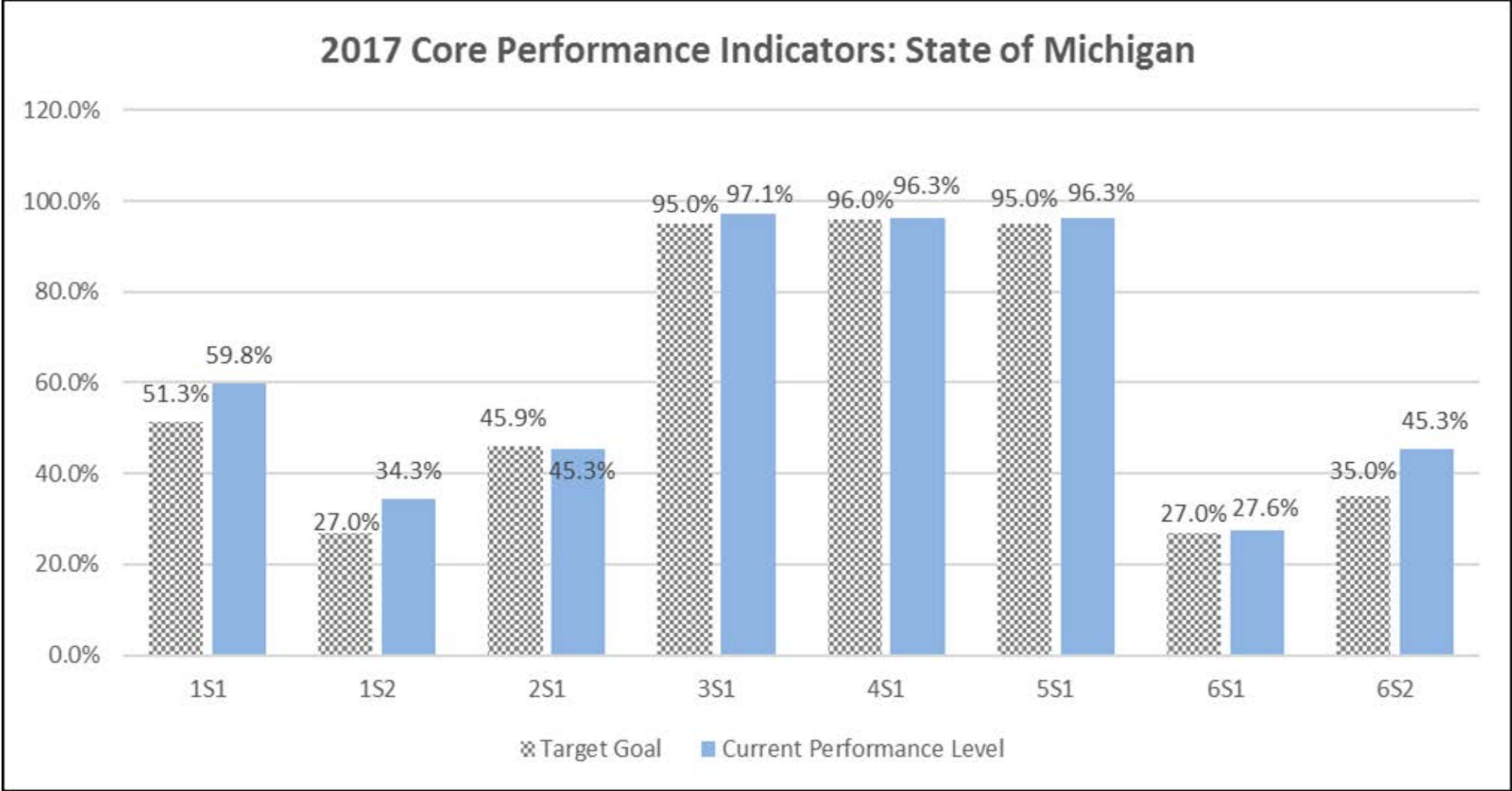
Overview

- Data Visualizations Video
- Brief Recap of 2017 CPIs and 2018 CPI Targets
- Graphs from the Upcoming CTE Factbook
- CTE Data Dashboards
- Test

Data Visualizations

- <https://www.youtube.com/watch?v=AdSZJzb-aX8>

A Brief Recap of 2017 CPIs

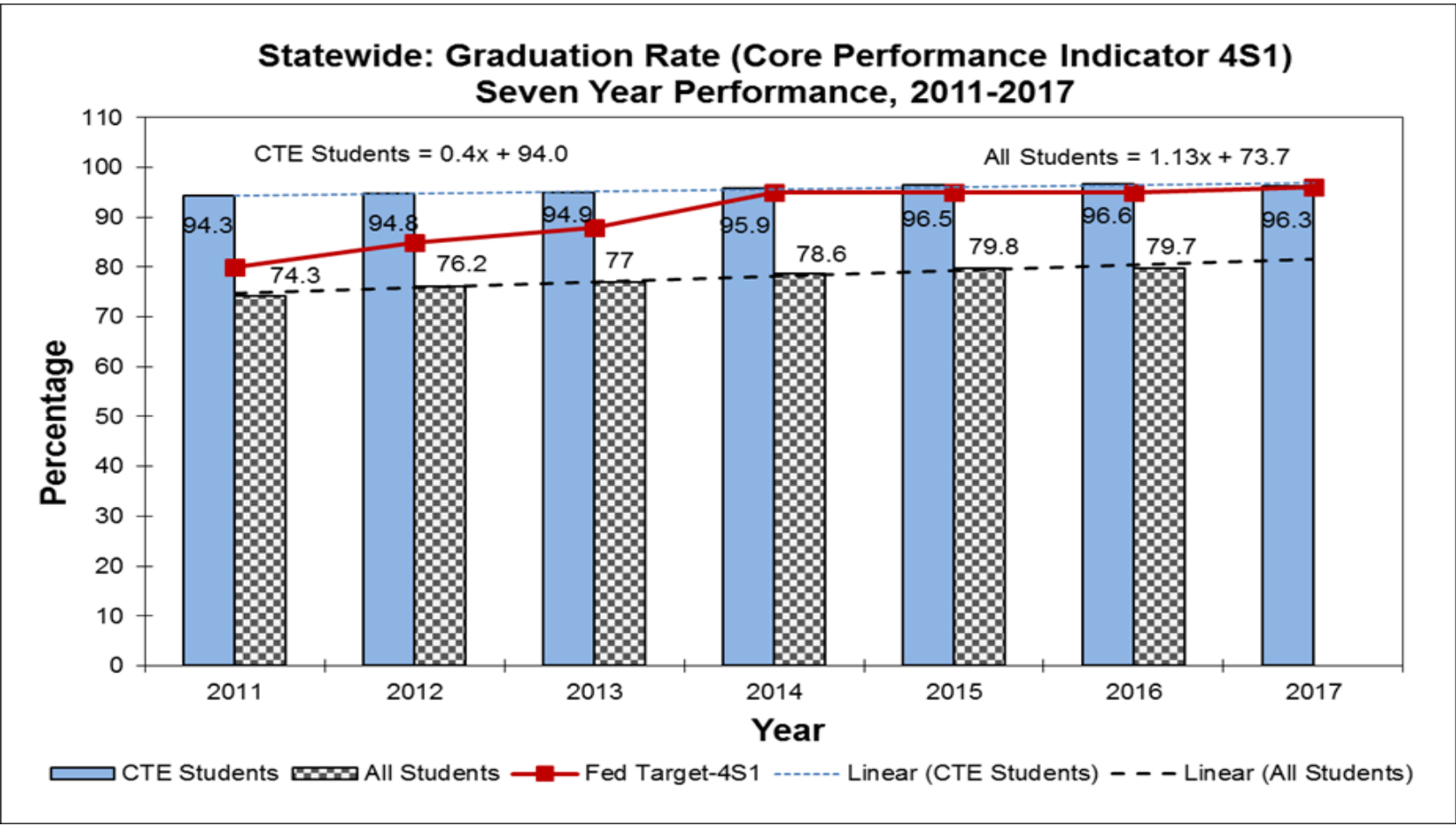


2018 CPI Targets

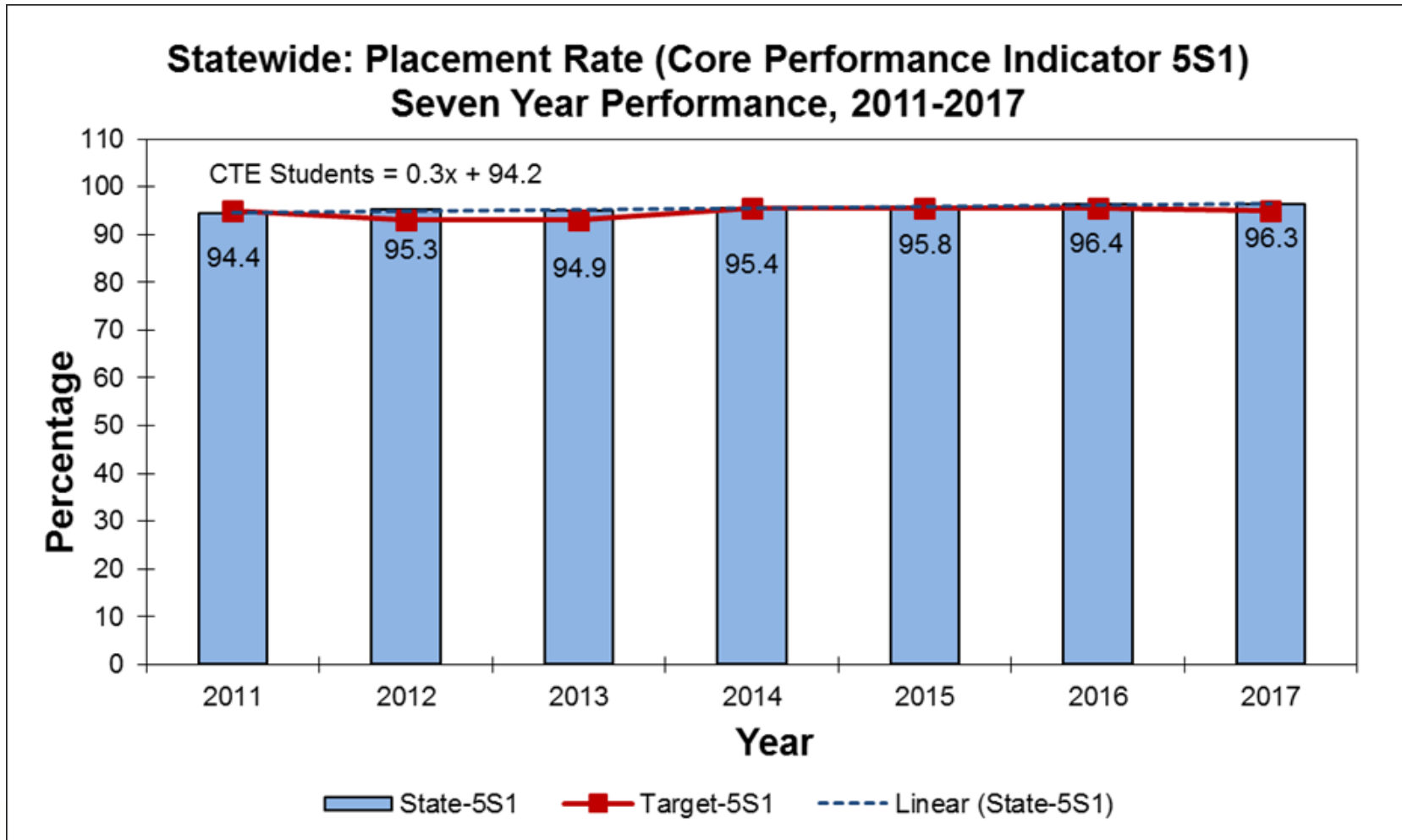
2017-2018

1S1	Academic Attainment – Reading and	51%
1S2	Academic Attainment – Math	25.2%
2S1	Technical Skill Attainment	46%
3S1	Secondary School Completion	95%
4S1	Student Graduation Rates	96%
5S1	Secondary Placement	95%
6S1	Nontraditional Participation	27%
6S2	Nontraditional Completion	34.5%

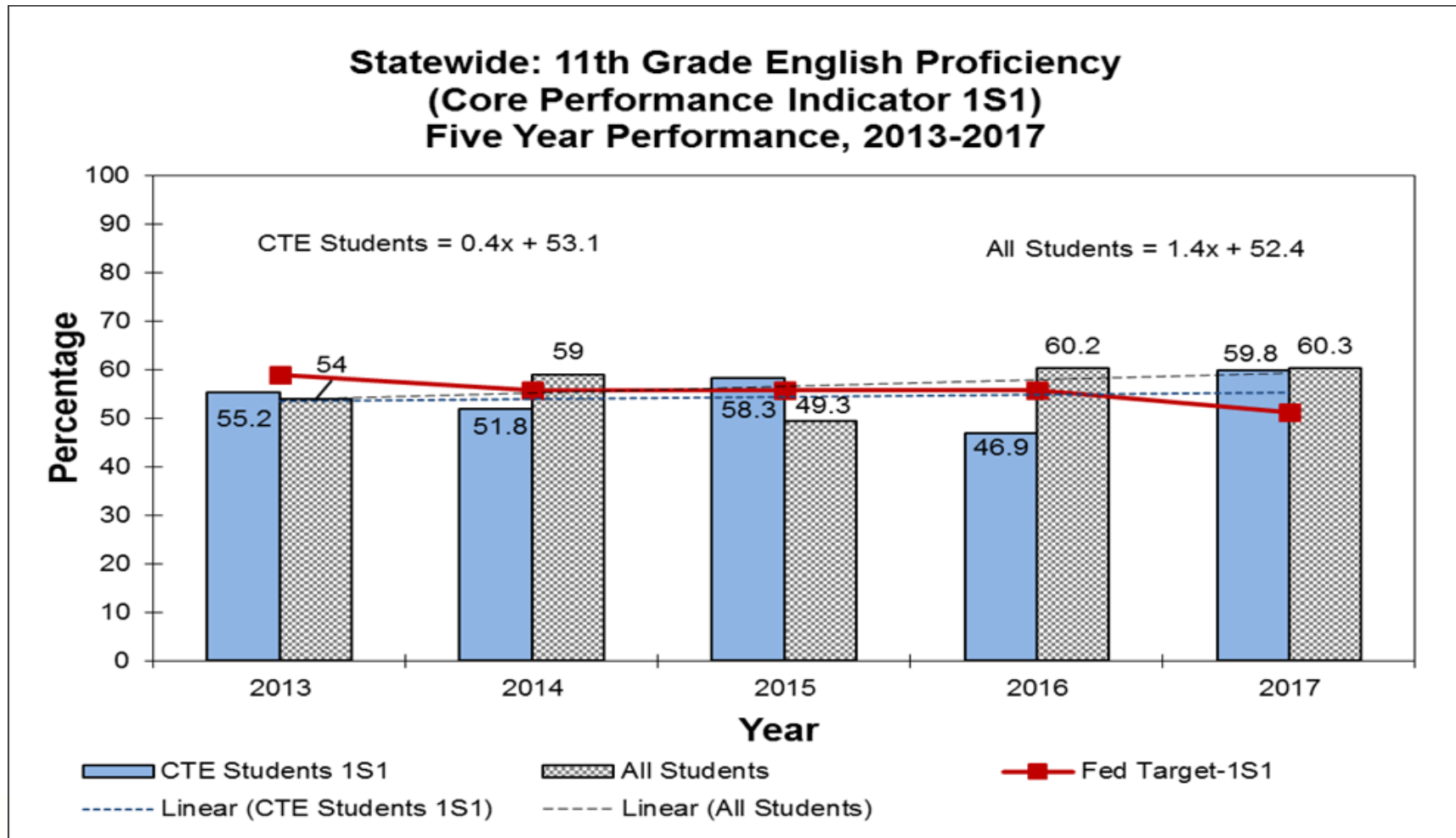
CTE Graduation Rate (4S1)



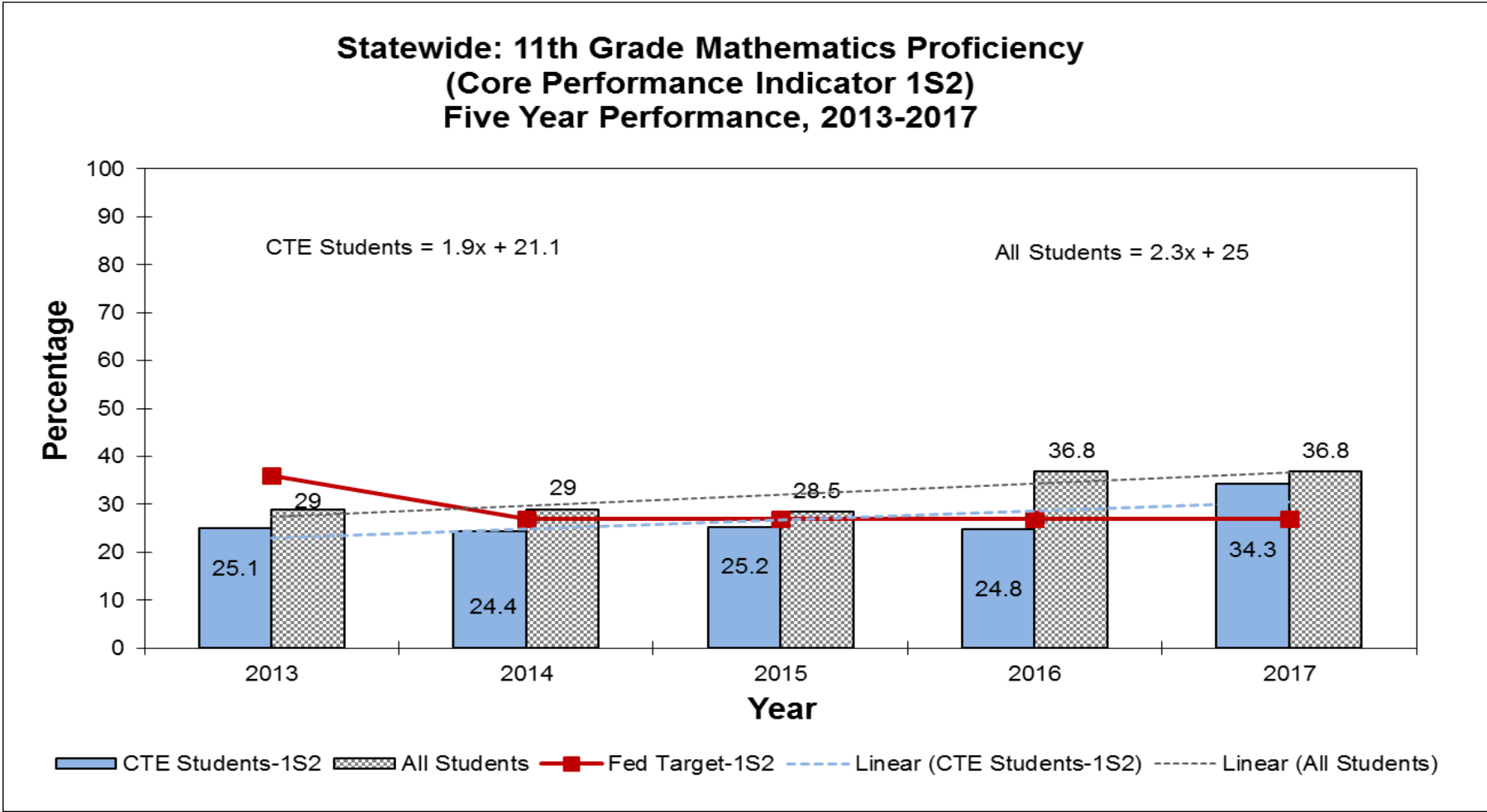
CTE Placement Rate (5S1)



11th Grade English Proficiency (1S1)

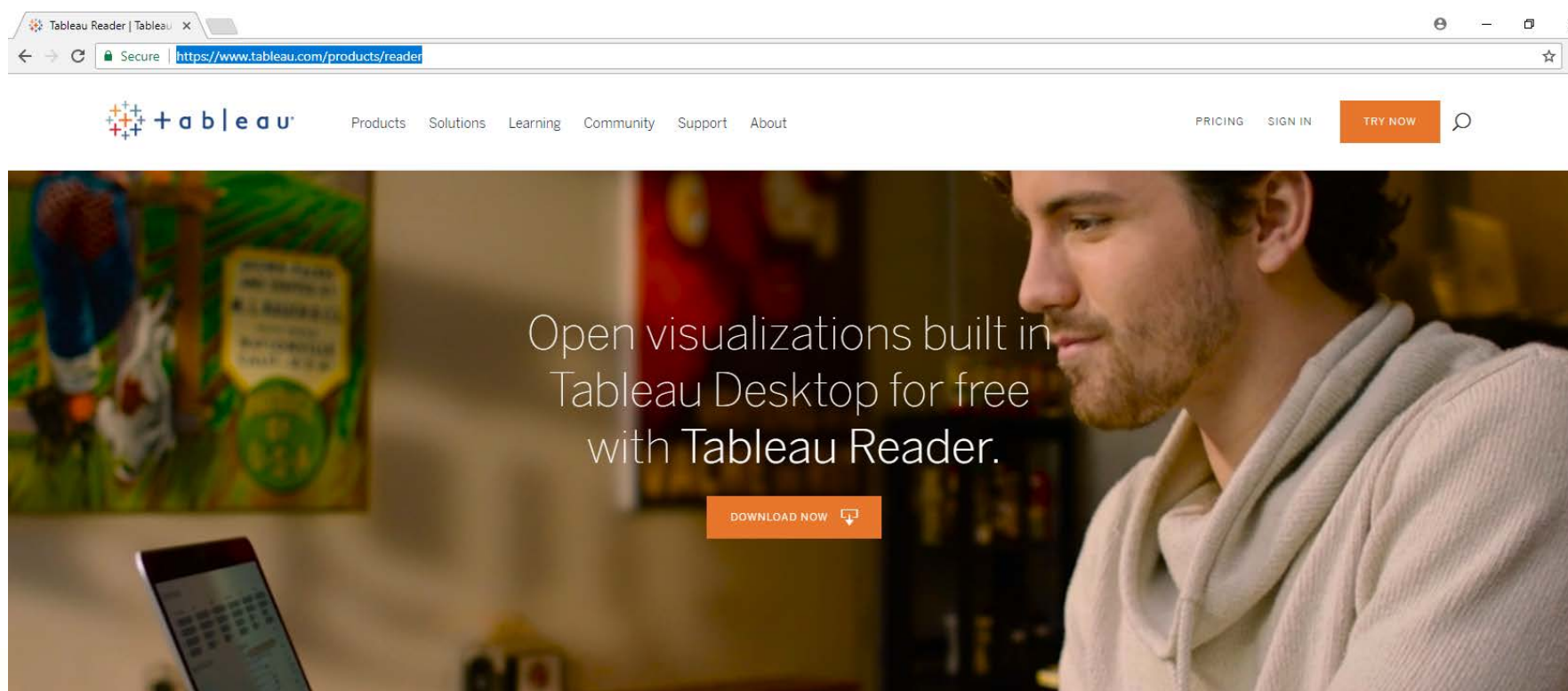


11th Grade Mathematics Proficiency (1S2)



CTE Dashboards: Tableau Reader 10.4

- <https://www.tableau.com/products/reader>



Download Tableau Workbooks

- www.cteisreports.com
 - Perkins Performance Evaluation
 - CAR and EdFacts Dashboards



Download Tableau Workbooks

MI CTE Reports
Michigan Department of Education

View Reports

CAR and EdFacts Dashboards

Learning that works for Michigan
CTE

Dashboards

CTEIS

Report Description:

Section 113 Perkins Core Indicators of Performance (Title 1)
Secondary Level EdFacts Report and CAR Report and data
dashboards

EdFacts Report and CAR Report

This is Michigan's report provided to the U.S. Department of Education, Office of Career, Technical, and Adult Education (OCTAE) and contains student counts for Section 113 Core Indicators of performance (Title 1). The data submitted here is also used for Michigan's Consolidated Annual, Accountability, and financial Status Report (CAR) for the State Basic Grant Programs under the Carl D. Perkins Vocational and Technical Education Act (Perkins IV).
[2017 CAR report](#)

CPI Data Dashboards

[2017 CPI Data Dashboards](#)
[2016 CPI Data Dashboards](#)

Report Instruction:

Please select how you would like to run the report:

Download Tableau Workbooks

MI CTE Reports x Perkins Data 2017 - CTEI: x

https://ptdtech.atlassian.net/wiki/spaces/CS/pages/125403145/Perkins+Data+2017

KB CTEIS Doc and KB / ... / Section 113 Perkins Core Indicators of Performance (Title 1) Secondary Level EdFacts Report and CAR Report and data dashboards

Perkins Data 2017

Nilima Kapoor
Last modified Dec 28, 2017

Instructions for using the 2016-2017 CPI Dashboards

Before you begin

1. To be able to work with the Tableau Dashboard containing the 2016-2017 CPI dashboards, you will need to download a FREE software product called **Tableau Reader**.
2. Tableau Reader can be found at: [Tableau Reader](#)
3. Once Tableau Reader has been downloaded and installed on your computer, you will be able to open the Tableau Packaged workbooks:
[2017 CPI Tableau Workbook](#)

Tableau Workbook

There are 8 dashboards in the Tableau workbook:

- 1S1: Reading Attachment
- 1S2: Math Attachment
- 2S1: Assessment Attachment
- 3S1: School Completion
- 4S1: Graduation
- 5S1: Placement Dashboard
- 6S1: Nontraditional Participation
- 6S2: Nontraditional Completion

1. Each Dashboard looks similar and has similar controls to manipulate the 2016, 2017 data sets.
2. The table in each dashboard represents the numerator and denominator for each indicator for the 2016 and 2017 datasets. The definitions of the numerator and denominator for each CPI are provided below these tables for clarity.
3. The graph on each dashboard displays each of the indicator values for user selected levels along with the State Target (Blue line with value shown).
 - the light blue band in the graph indicates the thresholds for the CPI that meet/exceed the state target,
 - the yellow band in the graph indicates the 90 to 100% range,
 - the pink band in the graph indicates CPI Values below the 90% range,
 - and the % for the user selected level is always provided at the top of the graph (equals to the numerator/denominator for each indicator).
4. There are 5 user selected levels:

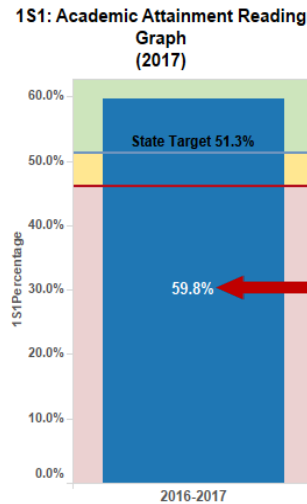
Reference Materials
Overall Dashboards
Race and Gender Dashboards
Rankings Dashboards
Trend Dashboards
Dashboard Archives

RIGHT CLICK this link and hit "Save Link As" to a Folder on your computer

Typical Dashboard Layout

Numerator & Denominator Values

1S1: Academic Attainment Reading Table (2017)		
	1S1 Numerator	1S1 Denominator
2016-2017	18,085	30,255



State Target & 90% of Target

Numerator/Denominator Value = Graph %

1S1 Numerator: Number of CTE concentrators who met the proficiency or advanced level on the Statewide high school reading assessment and whose scores were included in the State's computation of AYP and who, in the reporting year, left secondary education.

1S1 Denominator: Number of CTE concentrators who took the Statewide high school reading assessment and whose scores were included in the State's computation of AYP and who, in the reporting year, left secondary education.

Blue Bar = CPI Above State Target
 Orange Bar = CPI above 90% threshold of State Target
 Dark Gray Bar = CPI below 90% threshold of State Target
 State Target and 90% threshold indicated by Blue and Red lines.
NOTE ** If Numerator or Denominator is <10 then no data will be displayed. This is in order to comply with FERPA regulations.

Colors of Graph Defined & FERPA note

Indicator Definition

REGION

- (All)
- 01
- 02
- 03
- 04
- 05
- 06
- 07
- 08
- 09
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18

CEPD

- (All)
- 01
- 02
- 03
- 04
- 05
- 06
- 07
- 08
- 09
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18

Federal Cluster Name

- (All)
- Agriculture, Food & Natural Resources
- Architecture & Construction
- Arts, A/V Technology & Communication
- Business, Management & Administration
- Education & Training
- Finance
- Government & Public Administration
- Health Science
- Hospitality & Tourism
- Human Services
- Information Technology
- Law, Public Safety & Security
- Manufacturing
- Marketing, Sales and Service
- Science, Technology, Engineering, & Mathematics
- Transportation, Distribution & Logistics

CIPCODE

- (All)
- 01.0000
- 01.0601
- 01.0903
- 03.0000
- 10.0202
- 10.0301
- 11.0201
- 11.0801
- 11.0901
- 11.1001
- 12.0400
- 12.0500
- 12.9999
- 13.0000
- 14.4201
- 15.0000
- 15.1301
- 15.1306

PSN

- (All)
- 15
- 19
- 20
- 29
- 30
- 33
- 34
- 35
- 37
- 49
- 61
- 83
- 84
- 85
- 87
- 95
- 100
- 101

Filters or User Controls

Worksheets for each CPI



Dashboard Examples

- Overall Dashboard
- Trends Dashboard
- Program Performance
 - Rankings Dashboard
 - “Overall Regions by CIPCode”

Test Our Knowledge

- <http://www.perceptualedge.com/files/GraphDesignIQ.html>

Questions

Thank you

