Graduation Component Technical Documentation

Career Technical Planning
District Report Card

2023-2024 School Year

Department of Education & Workforce

Revision History

The revision history section provides a means for readers to easily navigate to the places where updates have occurred from prior years. Significant changes and updates are indicated through underlined blue text for additions and red text with strikethroughs for deletions. Minor changes- such as typos, formatting and grammar corrections are not marked.

Date	Effective	Description

OHIO REVISED CODE and OHIO ADMINISTRATIVE CODE require districts to report data to EMIS and to verify and approve all EMIS data. It should be reviewed and verified prior to the close of the DIFFERENT DATA COLLECTIONS. This verification should include all relevant reports, including those in the Secure Data Center (SDC).

The Secure Data Center (SDC) is an interactive tool that allows districts to review data well before its final and the Report Cards are released. **The SDC is the main resource districts should use to review Report Card Data but not inclusive please verify all relevant reports from EMIS.**

TABLE 1: BREADCRUMB TRAIL TO SECURE DATA CENTER REPORTS FOR DISTRICTS TO REVIEW

Component	Measure	SDC Breadcrumb Trail
CTPD Graduation Component		Report Portal > Secure Data Center > Local Report Card > CTPD Local Report Card > **Graduation**
	4-year CTPD Graduation Rate	Report Portal > Secure Data Center > Career and Technical Education > **CTPD (or Member District) 4-Year Longitudinal Graduation Rate**
	5-year CTPD Graduation Rate	Report Portal > Secure Data Center > Career and Technical Education > **CTPD (or Member District) 5-Year Longitudinal Graduation Rate**

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Introduction

The Career Technical Planning District Graduation Component measures the percentage of students who concentrate in career-technical education and graduate from high school within four or five years. Here are the key points:

- Four-Year CTE Graduation Rate: This metric tracks how many students graduate within four years or less after entering ninth grade for the first time while concentrating in career-technical education.
- Five-Year CTE Graduation Rate: Similar to the four-year rate, this measure includes students who graduate within five years after entering ninth grade and have focused on career-technical education by the end of their fourth year.

Why is this important? Almost all jobs today require skills and education beyond a high school diploma. By measuring the five-year rate, districts receive credit for helping students who just missed graduating on time. It's essential to understand what strategies are effective in increasing the number of graduates and addressing any barriers that prevent students from graduating.

Business Rules

DETERMINING STUDENTS INCLUDED IN THIS COMPONENT

Both measures utilize the business rules for CTE Adjusted Graduation Cohort, which are CTE Concentrators in the 4-Year Adjusted Cohort and the 5-Year Adjusted Cohort. The definitions and business rules related to the CTE Concentrators and CTE Adjusted Graduation Cohort can be found in the [Understanding Student Placement for Ohio's Differentiated Accountability Systems](#) technical document. See Appendix A for additional inclusion criteria.

The CTE graduation rates on the report card always lag by one year to include summer graduates. To be considered a "summer graduate", a student must have a diploma date that is at least one day **prior** to the date when a majority of the district's schools (more than 50%) are enrolled for the following year, according to the school calendar. This cutoff date is used to determine the year of graduation.

EXAMPLE: For the students in the 2023 cohort who graduated in the summer of 2023, the cutoff date is the day **before** a majority (more than 50%) of district's schools are enrolling students for the 2023-2024 school year based on the school calendar. A student who graduates on or before the cutoff date is considered a 2023 graduate. A student who graduates after the cutoff date is considered a 2024 graduate. Note that each district sets its calendar locally, so the cutoff dates will vary based on when each district "opens" for the 2023-2024 school year.

- Students who meet CTE Concentrator status by their fourth year of high school are included in the CTE graduation rate calculations.
    - Students who participate in CTE coursework, but don't take enough courses to become Concentrators by their fourth year of high school are not included,

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even if they become Concentrators at a later time. For example, A student who reaches concentrator status in their fifth year of school will not be included.

- The calculation uses data from the Student and Course collections to identify which students are CTE Concentrators. The rule is "once a CTE Concentrator, always a CTE Concentrator." The calculation may include students who were no longer CTE Concentrators in 2023 (for the graduating class of 2023 or 2022) but concentrators in a prior year.
- Any student who meets the definition of a CTE Concentrator (in secondary school) will count in the CTPD's calculation. If a student was in more than one district and/or CTPD (during their secondary education), they will count in the graduation cohort of the district and CTPD in which they were most recently a CTE Concentrator.
- If a student is a concentrator in more than one district in their final year of career-tech education, a student counts in the district and CTPD in which they had the highest CTE FTE.
  - In prior years, the CTPD cohorts were not updated between the fourth and fifth years of high school to account for transfers in or transfers out. If a student changed CTPDs in the fifth year of high school, they stayed in the CTE graduation rate of the CTPD where they were enrolled at the end of the fourth year. Starting in 2021 and beyond, a student will be included in the CTE graduation rate of the CTPD in which they were most recently a CTE concentrator.
- High school students with an IEP who do not graduate by the end of their 4th year are identified in two different ways. Students that meet the requirements for graduation but defer their diplomas to continue receiving educational services are coded as "Grade 23". Students that do not meet graduation requirements and continue to work towards meeting them are coded as a grade other than 23. Both groups of students count as nongraduates within the CTE graduation rate calculation.
- Students that are homeschooled but attend the district part time are treated like other public-school students. They will be included in the CTE graduation rate if the other inclusion criteria are met. If the student does not intend to graduate from the district, report as a withdrawal code of "43". This indicates a transfer back to home schooling and considered a "Transfer Out" in the calculation.

Four-Year CTE Graduation Rate Measure

The four-year CTE graduation rate is a measure used on the Career Technical Planning District (CTPD) report card to evaluate the percentage of CTE Concentrators who graduate within four years after starting ninth grade, including summer graduates. It utilizes data from the Student and Course collections to identify CTE Concentrators. This measure is crucial for assessing the effectiveness of CTPDs in guiding students toward timely graduation. To receive a score on the 4-Year CTE Graduation Rate measure, a career technical planning district must have at least ten accountable students in the Final Prior Year Adjusted Graduation Cohort. In cases where a CTPD has fewer than ten unique students the data will be masked, and no 4-Year CTE Graduation Rate will be calculated.

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- **Code Section:** [Perkins legislation](#)
- **N-Size**: 10 accountable students
- **Graduation Cohort**: CTE Concentrators in the Final Prior Year Adjusted Graduation Cohort

DENOMINATOR

The denominator includes all students in each CTPDs Prior Year Adjusted Graduation Cohort who met CTE concentrator status. Students are included in the graduation cohort regardless of whether they graduated.
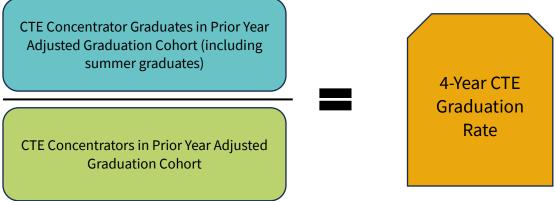
NUMERATOR

The numerator includes CTE Concentrators who earn a regular or honors diploma within the Prior Year Adjusted Graduation Cohort (including summer graduates).

FOUR-YEAR CTE GRADUATION RATE CALCULATION

The four-year CTE graduation rate calculation, (using the numerator and denominator as described above), is the percentage of CTE Concentrators in the Prior Year Adjusted Graduation Cohort who received a regular or honors diploma before the start of the current year (includes summer graduates).

FIGURE 1: VISUAL OF THE 4-YEAR CTE GRADUATION RATE CALCULATION

Ratings are assigned based on the following scale.

TABLE 2: 4-YEAR CTE GRADUATION RATING SCALE AND DESCRIPTIONS

Percentage of Maximum Points Earned	Rating	Rating Description
93–100%	5 Stars	Significantly exceeds state standards in graduation
89-92.9%	4 Stars	Exceeds state standards in graduation

84-88.9%	3 Stars	Meets state standards in graduation
79–83.9%	2 Stars	Needs support to meet state standards in graduation
0–78.9%	1 Star	Needs significant support to meet state standards in graduation

Five-Year CTE Graduation Rate Measure

The five-year CTE graduation rate is a measure used on the Career Technical Planning District (CTPD) report card to evaluate the percentage of CTE Concentrators who met concentrator status by their fourth year and graduated by the end of the fifth year. The cohort is updated to include students who changed CTPDs in their fifth year of high school, ensuring they are counted in the CTE graduation rate of the CTPD where they were most recently a CTE concentrator. To receive a score on the 5-Year CTE Graduation Rate measure, a career technical planning district must have at least ten accountable students in the Final Adjusted Graduation Cohort from two years prior. In cases where CTPD has fewer than ten unique students, the data will be masked, and no 5-Year CTE Graduation Rate will be calculated.

- **Code Section:** Perkins legislation
- **N-Size**: 10 accountable students
- **Graduation Cohort**: Final Two Years Prior Adjusted Graduation Cohort

DENOMINATOR

The denominator includes all students in each CTPDs five-year graduation cohort. For 2024, this data includes the students in the class of 2022. Students are included in the graduation cohort regardless of whether they graduated.
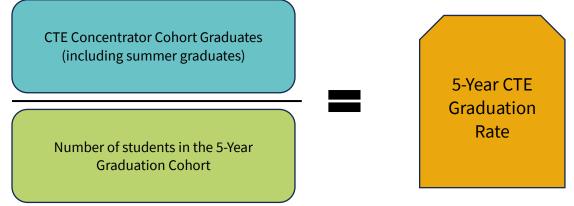
NUMERATOR

The numerator for the five-year CTE graduation rate includes CTE Concentrators who earn a regular or honors diploma before the cutoff date for the 2023-2024 school year.

FIVE-YEAR CTE GRADUATION RATE CALCULATION

The five-year CTE graduation rate calculation, (using the numerator and denominator as described above,) is the percentage of CTE Concentrators in the 2022 cohort that received a regular or honors diploma by the end of the 2022-2023 school year (including summer 2023 graduates).

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$$\frac{\text{CTE Concentrator Cohort Graduates (including summer graduates)}}{\text{Number of students in the 5-Year Graduation Cohort}} = \text{5-Year CTE Graduation Rate}$$

Ratings are assigned based on the following scale.

TABLE 3: 5-YEAR CTE GRADUATION RATING SCALE AND DESCRIPTIONS

Percentage of Maximum Points Earned	Rating	Rating Description
95–100%	5 Stars	Significantly exceeds state standards in graduation
90–94.9%	4 Stars	Exceeds state standards in graduation
85-89.9%	3 Stars	Meets state standards in graduation
80–84.9%	2 Stars	Needs support to meet state standards in graduation
0–79.9%	1 Star	Needs significant support to meet state standards in graduation

CTPD Graduation Component Rating Calculations and Descriptions

The CTPD Graduation Component includes two measures: Four-Year CTE Graduation Rate and Five-Year CTE Graduation Rate.
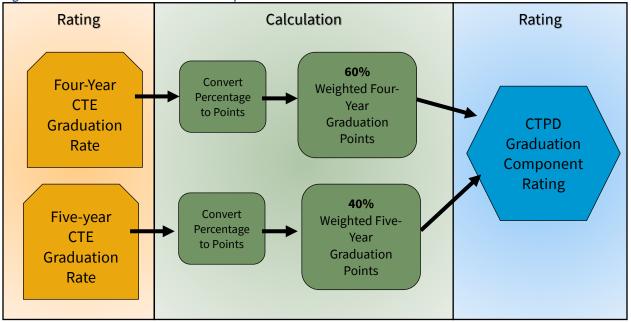
The CTPD Graduation Component will be weighted as follows:
- 4-year CTE Graduation Rate contributes 60% to the CTPD Graduation Component Rating
- 5-Year CTE Graduation Rate contributes 40% of the CTPD Graduation Component Rating

The weighting and calculation of the component considers the exact CTE graduation rate. Points are awarded for higher rates (shown below). A rating is assigned after the CTE graduation rate is converted to a point scale with the appropriate weight either .6 or .4. If

there is only one measure, the component will be calculated exclusively on it. If neither measure is rated, the component is not rated.

Figure 3: Visual of CTPD Graduation Component Calculation

PERCENTAGE TO POINTS SCALE

Measure Grade Scale	Percentage	Points
93% - 100% - 5 Stars	>=98.25% to 100%	5
	>=96.5% but <98.25%	4.75
	>=94.75 but <96.5%	4.5
	>=93% but <94.75%	4.25
89% - 92.9% - 4 Stars	>=92% but <93%	4
	>=91% but <92%	3.75
	>=90% but <91%	3.5
	>=89% but <90%	3.25
84% - 88.9% - 3 Stars	>=87.75% but <89%	3
	>=86.5% but <87.75%	2.75
	>=85.25% but <86.5%	2.5
	>=84% but <85.25%	2.25
79% - 83.9% - 2 Stars	>=82.75% but <84%	2
	>=81.5% but <82.75%	1.75
	>=80.25% but <81.5%	1.5
	>=79% but <80.25%	1.25
<79% - 1 Star	>=59.25% but <79%	1
	>=39.5% but <59.25%	0.75
	>=19.75% but <39.5%	0.5

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Measure Grade Scale	Percentage	Points
	>=0% but <19.75%	0

TABLE 5: FIVE-YEAR GRADUATION PERCENTAGE TO POINTS

Measure Grade Scale	Percentage	Points
95 - 100% - 5 Stars	>= 98.75 to 100%	5
	>= 97.5% but < 98.75%	4.75
	>=96.25% but <97.5%	4.5
	>= 95% but < 96.25%	4.25
90 - 94.9% - 4 Stars	>= 93.75% but < 95%	4
	>= 92.5% but < 93.75%	3.75
	>=91.25% but < 92.5%	3.5
	>=90% but <91.25%	3.25
85 - 89.9% - 3 Stars	>=88.75% but < 90%	3
	>=87.5% but <88.75%	2.75
	>=86.25% but <87.5%	2.5
	>=85% but <86.25%	2.25
80 - 84.9% - 2 Stars	>=83.75% but <85%	2
	>=82.5% but <83.75%	1.75
	>=81.25% but < 82.5%	1.5
	>=80% but < 81.25%	1.25
<80% - 1 Star	>= 60% but <80%	1
	>=40% but < 60%	0.75
	>=20% but <40%	0.5
	>=0% but <20%	0

COMPONENT RATING SCALE AND DESCRIPTIONS

TABLE 6: CTPD GRADUATION COMPONENT RATING SCALE AND DESCRIPTIONS

Points	Rating	Rating Description
Greater than or equal to 4.125 Points	5 Stars	Significantly exceeds state standards in CTE graduation rates
Greater than or equal to 3.125 points but less than 4.125 points	4 Stars	Exceeds state standards in CTE graduation rates
Greater than or equal to 2.125 but less than 3.125 points	3 Stars	Meets state standards in CTE graduation rates
Greater than or equal to 1.125 points but less than 2.125 points	2 Stars	Needs support to meet state standards in CTE graduation rates
Less than 1.125 points	1 Star	Needs significant support to meet state standards in CTE graduation rates

Examples of Calculation

TABLE 7: EXAMPLE 1

Measure	Weighted Points	Component Points
4-Year Rate	95.2% = 4.5 Points x 0.60 weight	2.7 Points

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5-Year Rate	92.0% = 3.5 points x 0.40 weight	1.4 Points
TOTAL WEIGHTED PERCENTAGE		4.10 points = **3 stars**

TABLE 8: EXAMPLE 2

Measure	Weighted Points	Component Points
4-Year Rate	81.6% = 1.75 Points x 0.60 weight	1.05 Points
5-Year Rate	89.2% = 3 points x 0.40 weight	1.2 Points
TOTAL WEIGHTED PERCENTAGE		2.25 points = **2 stars**

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