Career-Technical Education Report Card Calculations

Career-Technical Education Student, Course, and Program Definitions

Career-Technical Education Definition

The term ‘career and technical education' means organized educational activities that--
(A) offer a sequence of courses that--
  (i) provides individuals with coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in current or emerging professions;
  (ii) provides technical skill proficiency, an industry-recognized credential, a certificate, or an associate degree; and
  (iii) may include prerequisite courses (other than a remedial course) that meet the requirements of this subparagraph; and
(B) include competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills, and occupation-specific skills, and knowledge of all aspects of an industry, including entrepreneurship, of an individual.

CTE Concentrator Definition:

A secondary student who completed a minimum of 50% of the high school credits allowed for a single career and technical education (CTE) workforce development program (e.g., health sciences or marketing), and has enrolled for additional credit at the secondary level.

CTE Concentrator Calculation:
From Yearend (N) 2011 EMIS:

A student must have a value not equal to “**” in the CTE Program of Concentration Field (*CTE Program of Concentration Element* (FN290)) in Yearend (N);

AND

Student must be enrolled in an approved CTE workforce development course (see definition for CTE Workforce Development Course) in the district reporting the *CTE Program of Concentration Element* that is identified as a CTE anchor course (curriculum code VN, VT, VC, VP) for the student’s CTE Program of Concentration.

CTE Concentrator Who Left Secondary Education:
A secondary student who was reported as a CTE Concentrator while enrolled in high school and who is no longer enrolled in secondary education. For example, this student was reported as a high school graduate or as withdrawn from high school.

NOTE: CTE Concentrator Who Left Secondary Education is calculated differently in the Yearend (N) and Graduate (G) EMIS reporting periods. The Yearend (N) calculation includes Withdrawal data reported in Yearend (N). The Graduate (G) calculation includes Withdrawal data reported in Yearend

(N) and Diploma data reported in Graduate (G). The count of CTE Concentrators Who Left Secondary Education can be updated in the Graduate (G) reporting period for two reasons:

- Student will be ADDED to the count of CTE Concentrators Who Left Secondary Education if NOT reported with Withdrawal Reason '47', '71', '72', '73', '74', '75' or '99' in Yearend (N), and reported with a Diploma Date (not equal to zeros) in Graduate (G).
- Student will be DELETED from the count of CTE Concentrators Who Left Secondary Education if reported with Withdrawal Reason '99' in Yearend (N), and NOT reported with a Diploma Date in Graduate (G).

CTE Concentrator Who Left Secondary Education Calculation:

From Yearend (N) 2011, EMIS:

A student must have a value not equal to "**" in the CTE Program of Concentration Field (*CTE Program of Concentration Element* (FN290)) in Yearend (N);

AND

Student must be enrolled in an approved CTE workforce development course (see definition for CTE Workforce Development Course) in the district reporting the *CTE Program of Concentration Element* that is identified as a CTE anchor course (curriculum code 'VN' 'VT' 'VC' 'VP') for the student's CTE Program of Concentration.

OR

From Yearend (N) 2009 or Yearend (N) 2010, EMIS:

Student must have a "Y" reported in the **CTE Concentrator** field (*CTE Concentrator Element* (GN130)).

AND

Student must have been enrolled in an approved CTE workforce development course (see definition for CTE Workforce Development Course) the year the student was reported as a CTE Concentrator

AND ONE OF THE FOLLOWING:

From Yearend (N) 2011, EMIS:

The student had a **Date of Withdrawal** (derived from *Effective End Date Element* (FS090)) and a **Withdrawal Reason** (*Withdrawal Reason Element* (FS100)) of one of the following:

47 **Withdrew due to *Yoder vs. Wisconsin*** (Only used for 8th grade students)
71 **Withdrew due to truancy/nonattendance**
72 **Pursued employment/work permit** (Superintendent approval on file)
73 **Over 18 years of age**
74 **Moved;** not known to be continuing
75 **Student completed course requirements** but did NOT pass the appropriate statewide assessments required for graduation. In the case of a student on an IEP who has been excused from the individual consequences of the statewide assessments, using this code indicates that the student completed course requirements but did not take the appropriate statewide assessments required for graduation.

Returning Withdrawal – If a student is reported as withdrawn in October (K), but is reported as enrolled in Yearend (N), student is NOT counted as withdrawn.

OR

From Graduate (G) 2011, EMIS:

The student had a **Diploma Date** (*Diploma Date Element* (FN090)) not equal to zeroes.

JVSDs and Contract CTE – JVSDs and Contract CTE do not report Diploma Date, so Diploma Date reported by resident district is used.

Prior Year Contract CTE and JVSD CTE Concentrators and "Home School District":

- In the current year, if prior year Contract CTE or JVSD CTE Concentrator has a withdrawal reason of 47, 71, 72, 73, 74 or 75, or a diploma date not equal to zeros reported by the prior year "home school district", then student is counted as a CTE Concentrator Who Left Secondary Education in current year.
- In the current year, if prior year Contract CTE or JVSD CTE Concentrator has a withdrawal reason of 47, 71, 72, 73, 74 or 75, or a diploma date not equal to zeros reported by a district other than the prior year "home school district", then student is NOT counted as a CTE Concentrator Who Left Secondary Education in the current year.

Prior Year JVSD CTE Concentrators and "received from" Community School:

- In the current year, if prior year JVSD CTE Concentrator has a withdrawal reason of 47, 71, 72, 73, 74 or 75, or a diploma date not equal to zeros reported by the prior year "received from" community school, then student is counted as a CTE Concentrator Who Left Secondary Education in current year.
- In current year, if prior year JVSD CTE Concentrator has a withdrawal reason of 47, 71, 72, 73, 74 or 75, or a diploma date not equal to zeros reported by a district or school other than the prior year "received from" community school, then student is NOT counted as a CTE Concentrator Who Left Secondary Education in current year.

CTE Workforce Development Course:

A CTE state-approved (approved via a CTE-26 application; and EMIS approved) course that was submitted in Yearend (N) EMIS with both of the following:

- Curriculum Element of VN, VC, VT or VP (Course Master Record (CN), *Curriculum Element* (CN310))
- One of the CTE Workforce Development **Subject Codes** (Course Master Record (CN), *Subject Code Element* (CN050))

CTE Workforce Development Programs:

The definition of CTE and Tech Prep Programs are embodied in the definition of 'career and technical education' in the *Carl D. Perkins Career and Technical Education Improvement Act of 2006*.

Where CTE Students Count

Where Students Count - CTE Performance Measures Except 4-Year and 5-Year Graduation Rates

If a student is reported as a CTE Concentrator by multiple school districts, the following rules about where to count that student apply:

- **School District Level** – If reported by multiple school districts, then count student in each district that reported the student as a CTE Concentrator, as reported by the school district.
- **CTPD Level** –
    - If reported by multiple school districts within the same CTPD, the student counts only one time in the CTPD;
    - If reported by multiple school districts in different CTPDs, then the student counts in each CTPD, as reported by each respective school district.

Where Students Count - CTE Performance 4-Year and 5-Year Graduation Rates

If a student is reported as a CTE Concentrator by multiple school districts, the following rules about where to count that student apply:

- **School District Level** – If reported by multiple school districts, then count student in the district that reported the student as a CTE Concentrator most recently, as reported by the school district.
- **CTPD Level** –
    - If reported by multiple school districts within the same CTPD, the student is counted only one time in the CTPD;
    - If reported by multiple school districts in different CTPDs, then the student counts in the CTPD in which they were most recently reported as a Concentrator, as reported by each respective school district.
    - If reported in multiple CTPDs in the same school year, the student counts in the CTPD which has the highest percent of time with the student.
    - If reported in multiple CTPDs, and CTPDs have the student for an equal percent of time, the student counts in the CTPD of which the legal district of residence is a member.

CTE Report Card Performance Calculations

Achievement Component - Technical Skill Attainment

Definition: Percent of CTE Concentrators who left secondary education in the previous year and who passed a CTE technical skill assessment or a state-recognized CTE industry assessment

Numerator: Number of CTE Concentrators who left secondary education in the previous year and who passed a CTE technical skill assessment or a state-recognized CTE industry assessment.

Denominator: Number of CTE Concentrators who left secondary education in the previous year and who took a CTE technical skill assessment or a state-recognized CTE industry assessment.

From Yearend (N) EMIS:
2010-2011 EMIS Manual 2.4.10 CTE Student Assessment Record (GY)

- *CTE Technical Assessment Code Element* (GY760)
    - CTE Technical Assessment must align with the CTE program or subject code in which student is reported as a CTE Concentrator.
    - A student reported with an "aligned" CTE Technical Assessment Code is included in the denominator.
    - If a student is reported as a CTE Concentrator in more than one CTE course (different subject codes), the CTE Technical Assessment can align with any of the subject codes in which the student is a CTE Concentrator.
- *CTE Technical Assessment Score Element* (GY770)
    - A student whose test scores at or above the benchmark score passed the assessment and is included in the numerator.

From 2011 Yearend (N) and 2012 March (D) EMIS:
2011-2012 EMIS Manual 2.4.11 Student CTE Industry Assessment Record (GU)

- *CTE Industry Assessment Code Element* (GU060)
    - CTE Industry Assessment must align with the CTE program or subject code in which student is reported as a CTE Concentrator.
    - A student reported with an "aligned" CTE Industry Assessment Code is included in the denominator.
    - If a student is reported as a CTE Concentrator in more than one CTE course (different subject codes), the CTE Industry Assessment can align with any of the subject codes in which the student is a CTE Concentrator.
- *CTE Industry Assessment Results Element* (GU070)
    - A student reported with a "P" (Student passed the CTE Industry Assessment) passed the assessment and is included in the numerator.
- **NOTE: CTE Industry Assessment reported must be valid for the most recent year student reported as a CTE Concentrator.**

To determine Technical Skill Attainment status for a student who is reported with more than one technical assessment that aligns with the CTE program or subject code in which the student is reported as a CTE Concentrator:

- Two (or more) CTE Technical Assessments – In the denominator, student is counted one time. In the numerator, student is counted as *passing* if the score on one or more of the assessments is greater than or equal to the benchmark score.

- Two (or more) CTE Industry Assessments – In the denominator, student is counted one time. In the numerator, student is counted as *passing* if the student passed one or more of the CTE Industry Assessments.
- One CTE Technical Assessment and one CTE Industry Assessment – In the denominator, student is counted one time. In the numerator, student is counted as *passing* if the score of the CTE Technical Assessment is at or above the benchmark score **OR** the student passed the CTE Industry Assessment.

Graduation Component – 4-year Graduation Rate

Definition: Percent of CTE Concentrators who graduated within four years of the fiscal year in which they were reported as a ninth grader for the first time (including summer graduates).

Numerator: Number of CTE Concentrators who graduated within four years of the fiscal year in which they were reported as a ninth grader for the first time (including summer graduates).

Denominator: Number of students who were ninth graders for the first time in fiscal year 2008, who were ever reported as CTE Concentrators.

From Yearend (N) 2008, 2009, 2010, or 2011 EMIS:

In 2008 or 2009, a student must have a value of "Y" on the CTE Concentrator Element (GN130);

AND

A student must be enrolled in an approved and funded CTE workforce development course;

OR

In 2010**,** a student must have a value of "Y" on the CTE Concentrator Element (GN130);

AND

A student must be enrolled in an approved CTE workforce development course;

OR

In 2011, a student must have a value not equal to "**" in the CTE Program of Concentration Field (*CTE Program of Concentration Element* (FN290)) in Yearend (N);

AND

Student must be enrolled in an approved CTE workforce development course (see definition for CTE Workforce Development Course) in the district reporting the *CTE Program of Concentration Element* that is identified as a CTE anchor course (curriculum code VN, VT, VC, VP) for the student's CTE Program of Concentration.;

From Yearend (N) 2008 EMIS:

A student must have a Grade Level equal to "9" on the State Equivalent Grade Level Element GI370).

To be included in the numerator, students must meet the conditions above, AND be reported as having a *DIPLOMA DATE* and a *DIPLOMA TYPE* no later than the end of 2011 Graduate "G" reporting period, excluding students reported with Student Status = P or T.

Graduation Component – 5-year Graduation Rate

Definition: Percent of CTE Concentrators who graduated within five years of the fiscal year in which they were reported as a ninth grader for the first time (including summer graduates).

Numerator: Number of CTE Concentrators who graduated within five years of the fiscal year in which they were reported as a ninth grader for the first time (including summer graduates).

Denominator: Number of students who were ninth graders for the first time in fiscal year 2007, who were ever reported as CTE Concentrators by the end of their fourth year of high school.

From Yearend (N) 2007, 2008, 2009, or 2010 EMIS:

In 2007, 2008, or 2009, a student must have a value of "Y" on the CTE Concentrator Element (GN130);

AND

A student must be enrolled in an approved and funded CTE workforce development course;

OR

In 2010**,** a student must have a value of "Y" on the CTE Concentrator Element (GN130);

AND

A student must be enrolled in an approved CTE workforce development course;

AND

Student must be enrolled in an approved CTE workforce development course (see definition for CTE Workforce Development Course) in the district reporting the *CTE Program of Concentration Element* that is identified as a CTE anchor course (curriculum code VN, VT, VC, VP) for the student's CTE Program of Concentration.;

From Yearend (N) 2007 EMIS:

A student must have a Grade Level equal to "9" on the State Equivalent Grade Level Element (GI370).

To be included in the numerator, students must meet the conditions above, AND be reported as having a *DIPLOMA DATE* and a *DIPLOMA TYPE* no later than the end of 2011 Graduate "G" reporting period, excluding students reported with Student Status = P or T.

Prepared For Success Component – Dual Enrollment

Definition: The percentage of CTE Concentrators who left secondary education in the reporting year, and who successfully completed a course that awarded postsecondary credit for secondary students.

Numerator: Number of CTE Concentrators who left secondary education in the reporting year, and who successfully completed a course that awarded postsecondary credit for secondary students.

Denominator: Number of CTE Concentrators who left secondary education in the reporting year.

From 2011 Yearend (N), EMIS:

To calculate the CTE Concentrators who left secondary education and who successfully completed a course that awarded postsecondary credit for secondary students (Numerator):

Student must have been enrolled in one of the following courses, in current or previous year (FY2010), in any school district that educated the student:

CTE courses that qualify for Postsecondary Credit

- CTE Workforce Development courses (Curriculum Elements 'VN' 'VC' 'V3' 'VT''VP'); and
- CTE Course reported as 'Y' (Yes) for the *CTE College Credit Element* (CN300) on the Course Master Record (CN).

Academic courses that qualify for Postsecondary Credit

- Career-Technical Education (CTE) Applied Academic Advanced Placement (Curriculum Element 'VB')
- Advanced Placement (AP) (Curriculum Element 'AP') in FY2011
- Advanced Placement (AP) courses in FY2010, including these subject codes:
    - 129926, 029100, 029110, 029120, 029130, 059920, 059930, 069910, 069912, 069914, 069915, 069916, 069918, 069920, 069922, 069925, 069930, 069935, 119550, 119930, 119960, 139903, 139905, 139940, 139950, 139906, 139930, 152500, 152600, 152700, 152810, 152820, 159950, 159960, 159930, 159940, 290310, 290320
- International Baccalaureate (IB) courses – subject codes 32xxxx
- Postsecondary Enrollment Option courses (Curriculum Element 'PS')
- Postsecondary Instructor (Curriculum Element 'PI')

AND

Student must have a "Y" (Yes) or "P" (Partial/Override) reported for that course in the High School Credit Earned field (Student Course Record (GN), *High School Credit Earned Element* (GN150)).

Post-Program Outcomes Component – Post-Program Placement

Post-Program Placement is based on CTE Concentrators who left secondary education the previous year who responded to a survey several months after leaving school regarding their placement status.

Definition: The percent of status-known CTE Concentrators who left secondary education the previous year and were enrolled in postsecondary education or advanced training, in the military service or employed.

Numerator: The number of status-known CTE Concentrators who left secondary education the previous year and, in the second (2nd) quarter following the program year in which they left secondary education, were enrolled in postsecondary education or advanced training, in the military service or employed (CTE Workforce Development Follow-Up Record (GV), *Apprenticeship Element* (GV620), *Employed Placement Element* (GV640), *Military Placement Element* (GV650) and *Postsecondary Education or Advanced Training Element* (GV670).

Denominator: The number of CTE Concentrators who left secondary education the previous year who were not reported as Status Unknown (U), Deceased (D)[2], or Incorrectly reported as a CTE Concentrator (X) (CTE Workforce Development Follow-Up Record (GV)*Other Follow-Up Status Element* (GV660)) in March (D).

[2] Student reported as Deceased (D) and not reported as Y1 or Y2 for the *Apprenticeship Element*, Employed Placement Element, *Military Placement Element*, *Postsecondary Education or Advanced Training Element* (CTE Workforce Development Follow-Up Record (GV)).

NOTE: All students NOT reported in March (D) as *Status Unknown* (U), *Deceased* (D) or *Incorrectly Reported as a CTE Concentrator* (X) are included in the calculation.

From 2012 March (D):
Any CTE Concentrator who leaves secondary education who is reported with an *Other Follow-Up Status Element* (GV660) option of U, D, or X will be removed from the denominator

Students are in the numerator if reported with one or more of the following options:

Apprenticeship Element (GV620)
Y1 Yes, in an apprenticeship program related to CTE Program
Y2 Yes, in an apprenticeship program not related to CTE Program

Employed Placement Element (GV640)
Y1 Yes, employed in an occupation related to CTE Program
Y2 Yes, employed in an occupation not related to CTE Program

Military Placement Element (GV650)
Y1 Yes, in the military in an area related to CTE Program
Y2 Yes, in the military in an area not related to CTE Program

Postsecondary Education or Advanced Training Element (GV670)
Y1 Yes, in postsecondary education or advanced training related to CTE Program
Y2 Yes, in postsecondary education or advanced training not related to CTE Program

Post-Program Outcomes Component – Status Known Rate (used to calculate Post-Program Placement Grade)

'Placement Status Known' is the percentage of CTE Concentrators who left secondary education the previous year for which the school district is able to obtain placement data, via a few reliable means:

- Follow-up survey response, several months after leaving school, for placement status;
- National Student Clearinghouse (NSC) for postsecondary enrollment data; and
- State Web sites for State licensing and certification data.
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Placement Status Known is not a CTE indicator of performance, but provides an indication of the reliability and validity of the Post-Program Placement performance results. Generally, the higher rate of placement status known, the more reliable and valid the Post-Program Placement performance results.

Definition: The percentage of placement status-known CTE Concentrators who left secondary education the previous year.

Numerator: The number of CTE Concentrators who left secondary education the previous year who were not reported as Status Unknown (U) (CTE Workforce Development Follow-Up Record (GV), *Other Follow-Up Status Element* (GV660)) in March (D).

Denominator: The number of CTE Concentrators who left secondary education the previous year who were not reported as Incorrectly reported as a CTE Concentrator (X) (CTE Workforce Development Follow Up Record (GV), *Other Follow-Up Status Element* (GV660)) in March (D).

From 2011 March (D):

This measure is based on CTE Concentrators who left secondary education the previous year who were not reported with an *Other Follow-Up Status Element* (GV660) option of 'Incorrectly reported as a CTE Concentrator' (X) in the CTE Workforce Development Follow-Up Record (GV).

Post-Program Outcomes Component – Industry Credentials

Definition: The percentage of CTE Concentrators who left secondary education the previous year, and who obtained a State or industry-recognized certificate or license.

Numerator: Number of CTE Concentrators who left secondary education the previous year and obtained a State or industry-recognized certificate or license.

Denominator: Number of CTE Concentrators who left secondary education the previous year.

NOTE: All students NOT reported in March (D) as *Status Unknown* (U), *Deceased* (D) or *Incorrectly Reported as a CTE Concentrator* (X) are included in the calculation.

From 2011 March (D), EMIS:

Students reported with a 'Y' (Yes) in **Student Earned Certificate/License** (CTE Workforce Development Follow-Up Record (GV), *Student Earned Certificate/License Element* (GV680)) are counted in the numerator of this measure. The denominator includes all CTE Concentrators who left secondary education the previous year.

Federal Accountability Results Component

Career-Technical Planning Districts are accountable to the U.S. Department of Education for eight measures in relation to the Carl D. Perkins Career and Technical Education Act. Career-Technical Planning Districts negotiate local targets that encourage continuous improvement with the State. For documentation of the federal accountability calculations, please visit the CTE Secondary Workforce Development Indicators of Performance Calculation Documentation.