

Guide to Calculating Perkins Secondary Accountability Measures



JUNE 2020

Overview

The Strengthening Career and Technical Education for the 21st Century Act (aka Perkins V) includes new definitions and accountability measures for secondary career and technical education (CTE) programs. These measures focus on the following core areas for CTE concentrators:

- Graduation Rate
- Academic Proficiency
- Program Quality
- Placement
- Non-Traditional Program Enrollment

Both the graduation rate and academic proficiency measures are aligned with the accountability requirements of the Every Student Success Act (ESSA) for similar measures.

Summary of Measures

The following table provides a short overview of the accountability measures required for secondary CTE programs.

Code	Indicator	Sec. 113 Core Indicator
1S1	Graduation Rate, 4-Year Cohort	(i) The percentage of CTE concentrators who graduate high school, as measured by— (I) the four-year adjusted cohort graduation rate (defined in section 8101 of the Elementary and Secondary Education Act of 1965)
2S1	Academic Proficiency, Reading/Language Arts	(ii) CTE concentrator proficiency in the challenging State academic standards adopted by the State under section 1111(b)(1) of the Elementary and Secondary Education Act of 1965, as measured by the academic assessments described in section 1111(b)(2) of such Act.
2S2	Academic Proficiency, Mathematics	(ii) CTE concentrator proficiency in the challenging State academic standards adopted by the State under section 1111(b)(1) of the Elementary and Secondary Education Act of 1965, as measured by the academic assessments described in section 1111(b)(2) of such Act.
2S3	Academic Proficiency, Science	(ii) CTE concentrator proficiency in the challenging State academic standards adopted by the State under section 1111(b)(1) of the Elementary and Secondary Education Act of 1965, as measured by the academic assessments described in section 1111(b)(2) of such Act.
3S1	Placement	(iii) The percentage of CTE concentrators who, in the second quarter after exiting from secondary education, are in postsecondary education or advanced training, military service or a service program that receives assistance under title I of the National and Community Service Act of 1990 (42 U.S.C. 12511 et seq.), are volunteers as described in section 5(a) of the Peace Corps Act (22 U.S.C. 2504(a)), or are employed.
4S1	Nontraditional Program Concentration	(v) The percentage of CTE concentrators in career and technical education programs and programs of study that lead to non-traditional fields.
5S1	Attained Recognized Postsecondary Credential	(iv) Indicators of career and technical education program quality as follows: (aa) The percentage of CTE concentrators graduating from high school having attained a recognized postsecondary credential.

Definitions

Secondary CTE Concentrators

The student population used for the Perkins measures is secondary CTE concentrators meeting the definition specified in the Perkins law. See the following excerpt from definitions section:

Sec. 3 Definitions

(12) CTE CONCENTRATOR.—The term ‘CTE concentrator’ means—

(A) at the secondary school level, a student served by an eligible recipient who has completed at least 2 courses in a single career and technical education program or program of study

In accordance with this definition, program concentrators will be identified based upon students who earn two or more high school credits in a single career and technical education program or one high school credit and two dual-enrollment credits in a single career and technical education program.

The following process will be used to identify students as CTE concentrators:

- Students enrolled in a secondary CTE program based upon their program records for the most recent four years are identified.
- For each program in which a student was reported, the enrollment record will be matched to the most recent student transcript files to determine whether a student had earned two or more credits in that CTE program in the current year or a prior year.
- The year in which a student became a concentrator will be identified and maintained.
- The total number of credits earned in the program will be maintained.

Students are identified as concentrators at the time in which two high school credits or one high school credit and two dual-enrollment credits in the CTE program are earned.

The following programs do not meet the size, scope and quality requirements for Perkins V and are excluded from the calculation:

Program Code	Program Name
8200110	Business Keyboarding
8200120	Business Leadership Skills
8200130	Business Keyboarding and Career Planning
8207010	Emerging Technology in Business
8300310	Workplace Essentials
8300320	Practical Arts General
8300330	Workplace Technology Applications
8301600	Work Experience
8400320	Medical Skills and Services
8500120	Personal and Family Finance/Personal Financial Literacy
8500140	Career Discovery
8500230	Personal Development
8500300	Parenting Skills

8500310	Child Development
8500345	Family Dynamics
8500355	Nutrition and Wellness
8500365	Family and Consumer Science (FACS) Essentials
8500375	Blueprint for Professional Success
8500380	Fabric Construction
8500390	Principles of Food
8500395	Food Science Safety and Technology
8500430	Personal Development and Career Planning
8502000	Life Management Skills
8700300	Practical, Technical and Industrial Occupations
8809400	Introduction to Nutrition
8812000	Business Ownership
8900330	Principles of Public Service
8918031	Private Security Officer
8960370	Exploring Family and Consumer Sciences (FACS)
9100110	Orientation to Career and Technical Occupations (Diversified) and Career Planning
9100210	Exploration of Career and Technical Occupations
9100310	Orientation to Career and Technical Education Occupations

Graduation Rate (4-Year Cohort)

This measure is based upon the Department's calculation of the 4-Year graduation rate for ESSA. Florida's graduation rate is calculated using guidelines set forth by the U.S. Department of Education.

Denominator

Students in the district's graduation cohort who are identified as secondary CTE concentrators.

Numerator

Those students in the denominator who have one of diploma types listed in Table 1 by the end of the fourth year of the cohort.

TABLE 1: Valid Diploma Codes for Identifying Graduates		
Diploma Code	Description	# Credits
W06	Standard High School Diploma	24
WFT	Standard High School Diploma (Concordant and/or Comparative Score)	24
WRW	Standard High School Diploma (Statewide Standardized Assessment Results Waiver) NOTE: This applies to students entering 9th grade beginning in the 2013-14 school year	24
WXL	Standard High School Diploma (Academically Challenging Curriculum to enhance Learning (ACCEL) options.	18
WXT	Standard High School Diploma (Academically Challenging Curriculum to Enhance Learning (ACCEL) Concordant and/or Comparative Score	18
WXW	Standard High School Diploma (Academically Challenging Curriculum to enhance Learning (ACCEL), statewide assessment waiver.	18
W43	Adult Standard High School Diploma (24-credit option)	24
W52	Adult Standard High School Diploma (Concordant and/or Comparative Score)	24
W59	Adult Standard High School Diploma (statewide assessment wavier), 24 credit option	24
W54	Adult Standard High School Diploma (Academically Challenging Curriculum to Enhance Learning (ACCEL)), 18 Credit Option	18
W55	Adult Standard High School Diploma (Academically Challenging Curriculum to Enhance Learning (ACCEL)), Concordant and/or Comparative Score, 18-Credit Option	18
W58	Adult Standard High School Diploma (Academically Challenging Curriculum to Enhance Learning (ACCEL)), (statewide assessment waiver), 18-Credit Option	18
WD1	Standard High School Diploma (Deferred Receipt)	24

TABLE 1: Valid Diploma Codes for Identifying Graduates		
Diploma Code	Description	# Credits
WCO	Any student who graduated and met all of the requirements to receive a standard diploma, and was exempted from required assessments due to cancellation of the 2019-2020 statewide assessments.	24
W60 (2019-20 only)	Adult Standard High School Diploma (Any student who graduated from school and met all of the requirements to receive a standard diploma and was exempted from being required to use assessments to earn a standard high school diploma due to cancellation of the 2019-2020 statewide assessments per DOE Order No. 2020-EO-01)	24
WWE	Standard High School Diploma (Career and Technical Education (CTE)) Pathway option	24
WWT	Standard High School Diploma (CTE Pathway Option) Concordant and/or Comparative Score	24
WWW	Standard High School Diploma (CTE Pathway Option) statewide standardized assessment results waiver	24
W61	Adult Standard High School Diploma (Career and Technical Education (CTE) Pathway Option)	24
W62	Adult Standard High School Diploma (CTE Pathway Option), (Concordant and/or Comparative Score)	24
W63	Adult Standard High School Diploma (CTE Pathway Option), (Statewide assessment waiver)	24

Academic Proficiency – Reading/Language Arts

This measure is based upon the academic proficiency standards for Reading/Language Arts identified by the Department in its ESSA plan.

Denominator

CTE Concentrators who were enrolled in the reporting year and who took an FSA Exam in English Language Arts (ELA).

The tests included are the following:

- Any ELA Grade level exam taken by the CTE concentrator beginning with the year the student became a concentrator in a program
- Alternative assessments
- Any retakes of an ELA exam or alternative assessment

If an enrolled student became a concentrator in a year prior and took an FSA exam in ELA, the student will be included in this measure until exit from K-12.

Numerator

Those students from the denominator who scored a Level 3 or above on the FSA/FSAA ELA exam on the most recently taken grade level assessment.

Once a student becomes a concentrator, the outcome of the most recently taken ELA exam out will be used for the numerator.

Academic Proficiency – Mathematics

This measure is based upon the academic proficiency standards for Mathematics identified by the Department in its ESSA plan.

Denominator

CTE Concentrators who were enrolled in the reporting year and who took a high school level mathematic exam (Algebra I EOC or Geometry EOC) or alternative assessment.

The tests included are the following:

- Grade level mathematics exam
- Algebra I EOC
- Geometry EOC
- Alternative assessments
- Any retakes of an Algebra I or Geometry exam or alternative assessment

If an enrolled student became a concentrator in a prior year and took any approved mathematics exam, the student will be included in this measure until exit from K-12.

Numerator

Those students from the denominator who scored a Level 3 or above on the Algebra 1 EOC, Geometry EOC or alternative assessment.

If an enrolled student became a concentrator in a year prior and has taken the Algebra I or Geometry EOC or alternative assessment, proficiency on any assessment will count in the numerator.

Academic Proficiency – Science

This measure is based upon the academic proficiency standards for Science identified by the Department in its ESSA plan.

Denominator

CTE Concentrators who were enrolled in the reporting year and who took the Biology I exam or alternative assessment.

The tests included are the following:

- Grade level science assessment
- Biology IEOC
- Alternative assessment
- Any retakes of the Biology I exam or alternative assessment

If an enrolled student became a concentrator in a year prior and took any approved science exam, the student will be included in this measure until exit from K-12.

Numerator

Those students from the denominator who scored a Level 3 or above on the Biology 1 EOC or alternative assessment.

Program Placement

Denominator

CTE Concentrators who exited K-12 in the reporting year.

The following withdrawal and completion values will be used to identify students who exited K-12:

Withdrawal Reason

DNE= Did not enter as expected for unknown reasons

W04 = Attending a nonpublic school, in- or out-of-state or out-of-country

W05= Age 16 or over, leaves voluntarily

W13= Court Action

W15= Nonattendance

W18= Medical Reasons

W21= Expelled

W22= Whereabouts unknown

W23= Any other reason than W01-W22 or W22-W27

W24 = Home education program

W25= Under the age of 6

W26 = Adult education program

WPO= Subsequent to receiving W07, W08, W8A, W09 or W27

WPC= Transfer to private school with contractual relationship

Diploma Type

W06 = Standard High School Diploma

W07 = Special Diploma (option 1)

W10 = Standard High School Diploma (GED and Graduation Test)

W27= Special Diploma (Option 2)

W43= Adult Standard High School Diploma

W45= Adult State of Florida Diploma (GED)

W52= Adult Standard High School Diploma (Alternate Assessment)

W54= Adult Standard High School Diploma (ACCEL 18 Credit option)

W55= Adult Standard High School Diploma (ACCEL 18 Credit option- Alternate Assessment)

WGD= State of Florida Diploma (GED only)

WFW= Standard High School Diploma (FCAT waiver)

WFT= Standard High School Diploma (Alternate Assessment)

WGA= Standard High School Diploma (GED and Alternate Assessment)

WXL= Standard High School Diploma (ACCEL)

WXT= Standard High School Diploma (ACCEL- Alternate Assessment)

WXW= Standard High School Diploma (ACCEL- Assessment Waiver)

WRW= Standard High School Diploma (Statewide Standardized Assessment Results Waiver)

WD1= Standard High School Diploma (Deferred Receipt)

Certificate Type

W08= Certificate of Completion (24 Credit Option)

W8A= Certificate of Completion (24 Credit Option- No P.E.R.T.)

W8B= Certificate of Completion (ACCEL 18 Credit Option)

W09= Special Certificate of Completion

W44= Adult Certificate of Completion (24 Credit Option)

W53= Adult Certificate of Completion (24 Credit Option- Concordant Score)

W56= Adult Certificate of Completion (ACCEL 18 Credit Option)

NOTE: The data of the withdrawal will be tracked to determine the quarter used for placement tracking.

Numerator

Those students from the denominator who were found in the 2nd quarter after exiting in the following:

- Enrolled in Postsecondary Education or Advanced Training as follows:
 - School District Postsecondary
 - Career Certificate
 - Applied Technology Diploma
 - Apprenticeship
 - Florida College System
 - Any College Credit Program
 - Career Certificate
 - Applied Technology Diploma
 - Apprenticeship
 - State University System
 - Any degree program
 - Private Not-for-Profit and For-Profit Institutions
 - Private FRAG eligible institution (postsecondary program only)
 - CIE institution (postsecondary program only)
- Employed
 - Any employment with non-zero wages

Educational and employment placement will be based on the following tracking chart:

Exit Dates	Quarter of exit	Tracking Quarter for employment	Educational Placement
July 1 - Sept 30	Q3	Q1	Spring Term
October 1 – December 31	Q4	Q2	Spring/Summer Term
January 1 – March 31	Q1	Q3	Summer/Fall Term
April 1 – June 30	Q2	Q4	Fall Term

The following areas are also available for placement; however, no data matching source is available for these types of placement:

- Military Service
- Service program
- Peace Corps Volunteers

Nontraditional Program Concentration

Definition of Non-Traditional Program

An occupation is nontraditional if individuals from one gender comprise less than 25 percent of those employed in the occupation or field of work.

Denominator

CTE Concentrators who were enrolled in the reporting year and whose concentrator status was in a program flagged as non-traditional.

Numerator

Those students from the denominator who were concentrators in a program identified as non-traditional for their gender.

For example, if welding is non-traditional for females, all female concentrators will be included in the numerator.

NOTE: If a student was a concentrator in more than one non-traditional program, they will be included in the numerator if their gender was considered non-traditional for at least one of the programs.

Program Quality – Attained Recognized Postsecondary Credential

Florida is required to select at least one of the secondary program quality measures identified in the law. The measure selected is the following:

(aa) The percentage of CTE concentrators graduating from high school having attained a recognized postsecondary credential.

Recognized Postsecondary Credentials

The following recognized postsecondary credentials are used for this calculation.

- State approved Industry-Recognized Credentials for secondary CTE programs
- Any associate degree issued by a Florida College System (FCS) institution
- Any career certificate or applied technology diploma issued by a school district postsecondary institutions or FCS institution
- Any college credit certificate issued by an FCS institution

Denominator

Secondary CTE concentrators who graduated in the reporting year

See valid graduation codes in Table 1.

Numerator

Those students from the denominator who earned a recognized postsecondary credential by the time of graduation.

The following credentials reported by school district and FCS institutions are used for the numerator:

- School District K-12 Reported Credentials
 - Industry recognized credential identified for any secondary CTE program
- School District WDIS Reported Credentials
 - Career certificate (full program completer)
 - Applied Technology diploma (full program completer)
 - Industry recognized credential identified for any postsecondary CTE program
- Florida College System Reported Credentials
 - Associate in Arts (AA) Degree
 - Associate in Science (AS) Degree
 - Associate in Applied Science (AAS) Degree
 - College Credit Certificate
 - Career Certificate (clock hour)
 - Applied Technology Diploma (ATD)
 - Industry recognized credential identified for any postsecondary CTE program