Perkins Certified Annual Report (CAR)

General Statement

As of 2016, all calculations for Perkins indicators for CAR report stated using cohort tracking principle. Previously used method utilized annual sample of CTE students. Tracking principle, in its turn, stipulated an organized approach to starting cohort formation, to support the idea of all students starting at the same time, allowing for meaningful analysis of expected achievements.
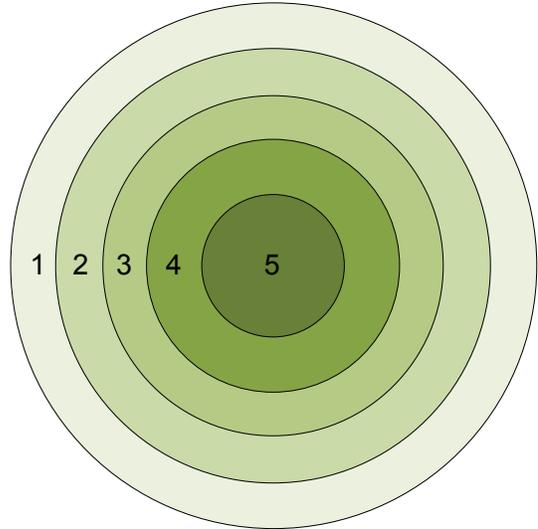
Definitions

Tracking Period	Three year cohort – (e.g., for FY18 CAR, AY2014-15, 2015-16 & 2016-17)
Postsecondary Concentrator	Students who enrolled in a single CTE program for the first time as a non-high school student during the first year of the cohort and accumulated at least 12 credits in one program area (including A&S courses and excluding developmental courses) taken any time during their first year in the program.
Postsecondary Participant	Students who enrolled in a single CTE program for the first time as a non-high school student during the first year of the cohort and enrolled in at least one credit (including A&S courses and excluding developmental courses) taken any time during their first year in the program
Postsecondary Completer	A student who received an industry-recognized credential, certificate or degree for completion of a CTE program during the tracking period
CTE Program	For the purpose of this report, any occupationally specific program (indicated by CIP number) declared as Students First Major during first AY of the tracking period.

ESTABLISHING STARTING COHORT OF PARTICIPANTS AND CONCENTRATORS, CAR 2017

The formation of the PARTICIPANTS cohort is presented as a progressive implementation of required filters, from Starting Data Set (cohort #1) to resulting PARTICIPANTS cohort (cohort #5).

1. STARTING DATA SET: Student Information and Student Course file for AY 2014-2015 [a.k.a. AY 2015].
2. CTE STUDENT: Filter Student Information File to keep only students with CIP Major 1 <> 24* or Major2 <> 24*.
3. NOT HS ENROLLMENT AND NOT DEVELOPMENTAL ENROLLMENT: Match CTE STUDENT cohort to Credit Course file for AY 2014-15 and keep only students who have NOT been enrolled as JE (Course data, HS Enrollment code <> 1, 2, 3) and not with code "1" for Developmental Education (Course, DevlEd)
4. FIRST TIME AS NON-JE STUDENT COHORT 1: Match NOT HS Enrollment to students found in Credit Student Course Files for previous 4 years with available Joint Enrollment data[1] (2011-2014) and keep only unmatched and students who were listed as "still in HS" students (High School Enrollment Type = 1 or 2 or 3)
5. FIRST TIME AS NON-JE STUDENT COHORT 2: Match FIRST TIME AS NON-JE STUDENT COHORT 1 to Student Information File AY 2014-15 and keep only students who were listed under First Enrollment (in this college) date >201008 (to exclude students found in enrollment prior to AY 2011-12).

CONCENTRATORS:

1. Match PARTICIPANTS to Credit Course File AY 2015 and add Course Credit Hours and Developmental Education flag fields.
2. Identify developmental courses and filter them out (DevlCourse <>"1")
3. Sum up course credit hours per student/college.
4. Keep only students with total credit >=12.

[1]Four years back are deemed sufficient to establish type of enrollment (JE/non-JE) for possible enrollment prior to cohort year.

NOTE: For all NUMERATORS and DENOMINATORS under all indicators, add totals/averages for required demographic and socio-economic status: Gender, Race/Ethnicity, Average Age [as of 1/1/2015], Age ranges [<18, 18-22, 23-26, 27-30, 31-39, 40-55, 56 and over, DOB Unknown], LEP, Economically Disadvantaged, Disabled, Single Parent, Displaced Homemaker.

1P1: Technical Skill Attainment*

DENOMINATOR:

Number of CTE concentrators (formed based on first year of enrollment) who took the Technical Skill Assessment during the tracking period.

1. Union Student Information files AY 2014, AY 2016 and AY 2017, unduplicate to receive a set of unique records with TechSkill = either 0, or 1, or 2 as MAX. [remember to merge SSN/Local ID into one field in AY 2015-16 by substituting unknown SSN "999999999" with Local ID]
2. Match Concentrators to Student Union file [use CC number and ID/SSN] where TechSkill = "1" or "2": DENOMINATOR

NUMERATOR:

Number of CTE concentrators who passed the technical skill assessments that are aligned with industry-recognized standards, if available and appropriate during the tracking period.

1. Match DENOMINATOR [CC + CollegeID] to DENOMINATOR 1. where TechSkill = "2": NUMERATOR

*Both detailed information (counts per CIP number of Major POS of enrollment) and aggregated information by required category should also contain Numerator and Denominator counts of Non-Traditional occupation (NTO) students. NTO students flags are obtained from tbl_CIP: a male concentrator is counted as an "NTO student" if his POS is flagged as "M"; conversely, a female concentrator is counted as an "NTO student" if her POS is flagged as "F".

2P1: Credential, Certificate or Diploma*

DENOMINATOR:

Number of CTE concentrators (formed based on first year of enrollment) who left postsecondary education during the tracking period.

National Student Clearinghouse (NSCH) data match request should have search start date 9/1/2014.

1. Match Concentrators to NSCH file with "Record Found" = "Y" and grouped by Max of Enrollment End date and keep only matched records.
2. Limit records under #1 to those where Enrollment End Date <20170901 to receive "Last Enrollment Date"

NUMERATOR:

Number of CTE concentrators who left postsecondary education during the tracking period and received an industry-recognized credential, a certificate, or a degree during the tracking period

1. Match Denominator [CC+CollegeID] to Credit Awards for AY 2014, AY 2016 and AY 2017 and keep only matched records.

*Detailed counts are provided also by CIP number of original enrollment Major POS.

3P1: Student Retention or Transfer*

DENOMINATOR:

Number of CTE concentrators (formed based on first year of enrollment) who were enrolled in postsecondary education during the tracking period and who did not earn any industry-recognized credential, certificate or degree.

National Student Clearinghouse (NSCH) data match request should have search start date 9/1/2014.

1. Match Concentrators [CC+ID] to Credit Awards for AY 2014, AY 2016 and AY 2017and keep only un-matched records.

NUMERATOR:

Number of CTE concentrators who either remained enrolled in their original postsecondary institution immediately after the tracking period or transferred to another two- or four-year institution anytime during the tracking period or one year after the tracking period.

1. Match Denominator to NSCH file with "Record Found" = "Y" and grouped by Max of Enrollment End date and keep only matched records.
2. Limit records under #1 to those where Enrollment End Date >=20170901 and <20180901 to receive "Last Enrollment Date"
3. Examine records under #2 to keep only those where original college (during cohort formation) = NSCH college of enrollment: RETAINED**
4. Examine records under #2 to keep only those where original college (during cohort formation) <> NSCH college of enrollment: TRANFERRED
5. For total counts of RETAINED OR TRANSFERRED, sum RETAINED and TRANSFERRED

*Detailed counts are provided also by CIP number of original enrollment Major POS.
**Reference Table tbl_CC_CODES_NSCH is in db_MIS_COMMON. IVCCD is reported under two different numbers in NSCH for Marshalltown and Ellsworth CCs: 001875 and 001862, correspondingly. Thus, enrollments in either college still counts as enrollment in IVCCD, not transfer.

4P1: Student Placement*

Number of CTE concentrators who were placed in employment, military service or apprenticeship programs in the 2nd quarter following the last quarter in which they left postsecondary education with an industry-recognized credential, certificate or degree.

DENOMINATOR:

Number of CTE concentrators (formed based on first year of enrollment) who earned an industry-recognized credential, certificate or degree and left postsecondary education during the tracking period.

National Student Clearinghouse (NSCH) data match request should have search start date 9/1/2014.

1. Match Concentrators [CC+CollegeID] to Credit Awards for AY 2014, AY 2016 and AY 2017and keep only matched records.

2. Limit matched records to only those students who were reported with valid SSNs**** (SSN field in original Student AY 2015 file <> "999999999")
3. Match #2 to NSCH and keep only records with Max of Enrollment End Date <20170901.

NUMERATOR:

Number of CTE concentrators who were found in employment in the second full quarter after the last quarter they were enrolled in post-secondary education.

Preparation: provide IWD with the IDs and last post-secondary education enrollment dates, instruct to check employment during second full quarter following the quarter of the last post-secondary enrollment.

1. Match Denominator to UI records file and keep records where "Employment Y/N" flag = "Y".

*Detailed counts are provided also by CIP number of original enrollment Major POS.
**UI Matched records are in file tbl_CAR2018_Employment in db_Annual_Reports_AY2017_18
***For college level numerator, add out of state aggregate employment numbers form tbl_CAR2018_OutOfStateEmployment.
****IWD can only use SSNs for matching.

5P1: Non-traditional Participation

Number of CTE participants from under-represented gender groups who were enrolled in a program that leads to employment in nontraditional fields during first year of enrollment.

DENOMINATOR:

Number of CTE participants (formed based on first year of enrollment) who were enrolled in a CTE program that leads to employment in nontraditional fields during first year of enrollment.

1. Match CTE Participants cohort program (CIP) numbers (based on CIP of Major Program, Student Information file at cohort formation year) to the list of programs containing Non-Traditional Program flag (tbl_CIP) and keep only those participants whose major POS contain flags "F" or "M" (non-traditional program for females or males, respectively); keep the flag with the list.

NUMERATOR:

Number of CTE participants from under-represented gender groups who were enrolled in a program that leads to employment in nontraditional fields during first year of enrollment.

1. Of DENOMINATOR, match participants to their gender information and keep only whose gender corresponds to non-traditional flag (e.g., a female who is found in a non-traditional (for females, "F") program is a non-traditional student in a non-traditional (for females) program; a female in an "M"-flagged program (non-traditional for Males) is NOT a non-traditional student in a non-traditional (for females) program).

5P2: Non-traditional Completion

Number of CTE concentrators from under-represented gender groups who completed a program that leads to employment in nontraditional fields during the tracking period.

DENOMINATOR:

Number of CTE concentrators (formed based on first year of enrollment) who completed a program that leads to employment in nontraditional fields during the tracking period

1. Match Concentrators [CC+ID] to Credit Awards for AY 2014, AY 2016 and AY 2017 and keep only matched records with program (CIP) number of the award.
2. Match #1 to the list of programs containing Non-Traditional Program flag (tbl_CIP) and keep only those participants whose award CIPs contain flags "F" or "M" (non-traditional program for females or males, respectively); keep the flag with the list.

NUMERATOR:

Number of CTE concentrators from under-represented gender groups who completed a program that leads to employment in nontraditional fields during the tracking period.

1. Of DENOMINATOR, match concentrators to their gender information and keep only those whose gender corresponds to non-traditional flag (e.g., a female who is found in a non-traditional (for females, "F") program completion is a non-traditional student who a non-traditional (for females) program; a female in an "M"-flagged completed program (non-traditional for Males) is NOT a non-traditional student who completed a non-traditional (for females) program).