CEDS Connect

Connection Title: Classroom observations of instructional practice_Pre-K: Scores on measures of teacher–child interactions, such as the Classroom Assessment Scoring System (CLASS), the Early Childhood Environment Rating Scale (ECERS) Interactions subscale, or the Asse

Selected Descriptors:
Students, Teachers, School Personnel->Teachers
Education-to-Workforce (E-W) Indicator Framework ->EQ3: Developmental progress in learning domains
Education-to-Workforce (E-W) Indicator Framework ->EQ5: Early grades student performance indicators
Education-to-Workforce (E-W) Indicator Framework ->EQ6: Access to quality school environments
Education-to-Workforce (E-W) Indicator Framework ->EQ8: Reading and math benchmarks for grades 3 and 8
Education-to-Workforce (E-W) Indicator Framework ->EQ11: On track for high school graduation indicators

Author: Education-to-Workforce Framework Collaborators Group

Location: More Than One State

Source for CEDS Connection Information: Education-to-Workforce Indicator Framework (https://educationtoworkforce.org/)

Description of CEDS Connection:

This Connection identifies the CEDS elements needed to measure the scores on measures of teacher-child interactions. This Connection supports the Education-to-Workforce Indicator Framework.

Go Further with this Connection

You can use this Connection with your own data system. Click on the myConnect logo to apply the elements from your shared map to this Connection.

▸ **Data Elements**

Metric

CEDS Elements:	Elements Not Currently in CEDS:
A. Assessments -> Assessment -> Assessment Type	
B. Assessments -> Assessment Result -> Assessment Result Score Value	
C. Early Learning -> Early Learning Organization -> Identification -> Organization Identification System	
D. Early Learning -> Early Learning Organization -> Identification -> Organization Identifier	
E. Early Learning -> Early Learning Organization -> Organization Information -> Early Learning Program Year	
F. Early Learning -> Early Learning Staff -> Identity -> Staff Member Identification System	
G. Early Learning -> Early Learning Staff -> Identity -> Staff Member Identifier	

Disaggregates

CEDS Elements:	Elements Not Currently in CEDS:
A. K12 -> K12 Staff -> Demographic -> Hispanic or Latino Ethnicity	
B. K12 -> K12 Staff -> Demographic -> Race	
C. K12 -> K12 Staff -> Demographic -> Sex	

▸ **Analysis Recommendations**

General Connection Information

CEDS elements are shown in **bold** font.
This metric is part of the Education-to-Workforce (E-W) Indicator Framework, specifically "E-W System Conditions" which pertain to key institutional or systemic environments, policies, and practices within E-W systems that support positive E-W outcomes.

Calculating a Response

Metric: Pre-K: Scores on measures of teacher–child interactions, such as the Classroom Assessment Scoring System (CLASS), the Early Childhood Environment Rating Scale (ECERS) Interactions subscale, or the Assessing Classroom Sociocultural Equity Scale (ACSES) (which assesses equitable classroom interactions)

Use the following CEDS elements to identify the school year:
- ○ **Early Learning Program Year** = the most recent school year or the school year being reported, representing July 1 through June 30.

Use the following CEDS elements to determine the universe of teachers:??
- ○ Pull all unique teachers which is determined by using a unique **Staff Member Identifier** where **Staff Member Identification System** = *State*?
Where the staff member:?
- ○ is associated with a State Education Agency through the **Organization Identifier** where **Organization Identification System** = SEA
- ○ is associated with a Local Education Agency through the **Local Education Agency Identifier** where **Local Education Agency Identification System** = SEA, and
- ○ is associated with a K12 school through the **School Identifier** where **School Identification System** = SEA

From the universe of teachers, determine the teachers' overall and subscale scores on an observation rubric associated with an educator observation system using the following CEDS elements:
- ○ **Assessment Type** = Observation
- ○ **Staff Evaluation System** = Danielson's Framework for Teaching, the Marzano Causal Teacher Evaluation Model, or equivalent educator observation system
- ○ To determine the overall score, use **Assessment Identifier** = overall assessment code
- ○ To determine the subscale score, use **Assessment Subtest Identifier** = subscale assessment code
- ○ **Assessment Result Score Value** is not null

To calculate
- ○ Using the scores from the overall assessment, identify the First Quartile, Second Quartile, Third Quartile, and the Fourth Quartile. Please note, a quartile is dependent on the number of scores included in the calculation.
- ○ Repeat Step 1 for each subscale assessment.

○ For an individual teacher, identify the quartile(s) for their overall and subscale assessments.

Disaggregate by Race and Ethnicity

Use the following CEDS elements to disaggregate the final set of teachers by Race:

Filter records where *Hispanic or Latino Ethnicity* = No.
Count, by race, where any of the following are true:
○ *Race* = American Indian or Alaska Native
○ *Race* = Asian
○ *Race* = Black or African American
○ *Race* = Native Hawaiian or Other Pacific Islander
○ *Race* = White
○ *Race* = Demographic Race Two or More Races
○ *Race* = Race and Ethnicity Unknown

Use the following CEDS element to disaggregate the final set of teachers by Hispanic or Latino Ethnicity:
○ Filter records where *Hispanic or Latino Ethnicity* = Yes

Disaggregate by Sex

Note: CEDS does not have a Gender element. While Sex is not a proxy for Gender it is the closest approximation currently available.
Note: Male + Female will not always equal 100% for states that have more choices beyond male and female.

Use the following CEDS elements to disaggregate the final set of teachers by Sex:
○ *Sex* = Male, Female, or Not Selected

▶ **Related Connections**

No related connections

▶ **Related References**

A. Title: Education-to-Workforce Indicator Framework; Source: Education-to-Workforce Indicator Framework (see https://educationtoworkforce.org/)

Author's Comments/Additional Information

Community Feedback

Average Overall Rating:

(See All Feedback) (Provide Feedback)

Last Modified: 03/24/2025   Status: Shared with All