

**Connection Title: Teacher Credentials - Pre-K: Percentage of lead teachers with specialized training in pre-K**

**Selected Descriptors:**

Individual Development and Characteristics->Child Development  
 Students, Teachers, School Personnel->Child Development Specialists  
 Educational Levels, Degrees, and Organizations->Early Childhood Education  
 Individual Development and Characteristics->Preschool Children  
 Educational Levels, Degrees, and Organizations->Preschool Education  
 Students, Teachers, School Personnel->Preschool Teachers  
 Labor and Employment->Qualifications  
 Educational Process: School Perspectives->Teacher Qualifications  
 Students, Teachers, School Personnel->Teachers  
 Educational Process: Classroom Perspectives->Teaching Experience  
 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**  
[\(https://educationtoworkforce.org/\)](https://educationtoworkforce.org/)

**Description of CEDS Connection:**

This Connection identifies the CEDS elements needed to measure the percentage of pre-K teachers with specialized training in pre-K. The recommended analysis criteria are also included. 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:**

A. Early Learning -> Early Learning Organization -> Directory -> School Level  
 B. Early Learning -> Early Learning Organization -> Identification -> Local Education Agency Identification System  
 C. Early Learning -> Early Learning Organization -> Identification -> Local Education Agency Identifier  
 D. Early Learning -> Early Learning Organization -> Identification -> Organization Identification System  
 E. Early Learning -> Early Learning Organization -> Identification -> Organization Identifier  
 F. Early Learning -> Early Learning Organization -> Identification -> School Identification System  
 G. Early Learning -> Early Learning Organization -> Identification -> School Identifier  
 H. Early Learning -> Early Learning Organization -> Identification -> State Agency Identification System  
 I. Early Learning -> Early Learning Organization -> Identification -> State Agency Identifier  
 J. Early Learning -> Early Learning Organization -> Organization Information -> Early Learning Program Year  
 K. Early Learning -> Early Learning Staff -> Assignment -> Assignment End Date  
 L. Early Learning -> Early Learning Staff -> Assignment -> Assignment Start Date  
 M. Early Learning -> Early Learning Staff -> Assignment -> Classroom Position Type  
 N. Early Learning -> Early Learning Staff -> Credential or License -> Early Childhood Credential  
 O. Early Learning -> Early Learning Staff -> Identity -> Staff Member Identification System  
 P. Early Learning -> Early Learning Staff -> Identity -> Staff Member Identifier  
 Q. Early Learning -> Early Learning Staff -> Professional Development Activity -> Professional Development Activity Education Levels Addressed

**Elements Not Currently in CEDS:**

**Disaggregates**

**CEDS Elements:**

A. Early Learning -> Early Learning Staff -> Demographic -> Hispanic or Latino Ethnicity  
 B. Early Learning -> Early Learning Staff -> Demographic -> Race  
 C. Early Learning -> Early Learning Staff -> Demographic -> Sex

**Elements Not Currently in CEDS:**

**Analysis Recommendations**

**General Connection Information**

CEDS elements are shown in ***bold/italicized*** 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: Percentage of lead teachers with specialized training in pre-K*

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 **State Agency Identifier** where **State Agency 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 or **Organization Identifier** where **Organization Identification System** = SEA
- where **School Level** = Pre-kindergarten/early childhood, and
- where **Early Learning Program Year** is the program year being reported

From the universe of teachers, narrow the list to only Lead Teachers using the following CEDS elements:

- **Classroom Position Type** = 73072 (Lead Team Teacher)
- **Assignment Start Date** ≤ July 1 of the school year being reported
- **Assignment End Date** ≥ June 30 of the school year being reported, or is null

From the list of Lead Teachers, identify those that have specialized training in pre-K using the following CEDS elements:

- **Early Childhood Credential** = State Awarded Preschool Credential, or
- **Professional Development Activity Education Levels Addressed** = Prekindergarten

To calculate the percentage of pre-K lead teachers with at least a bachelor's degree,

- Count the number of lead teachers that have specialized training in pre-K
- Count the total number of lead teachers
- Divide the number of lead teachers that have specialized training in pre-K by the total number of lead teachers and multiply by 100.

### 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 elements 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:

★★★★★★★★★★

Provide Feedback