

Connection Title: Teacher Experience: Percentage of Pre-K teachers with less than one year, one to five years, and more than five years of experience

Selected Descriptors:

Educational Levels, Degrees, and Organizations->Early Childhood Education
Individual Development and Characteristics->Experience
Educational Levels, Degrees, and Organizations->Preschool Education
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/>)

Description of CEDS Connection:

This Connection identifies the CEDS elements needed to measure the percentage of Pre-K teachers with less than one year, one to five years, and more than five years of experience. 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 -> Identification -> Local Education Agency Identification System
B. Early Learning -> Early Learning Organization -> Identification -> Local Education Agency Identifier
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 -> Identification -> School Identification System
F. Early Learning -> Early Learning Organization -> Identification -> School Identifier
G. Early Learning -> Early Learning Organization -> Identification -> State Agency Identification System
H. Early Learning -> Early Learning Organization -> Identification -> State Agency Identifier
I. Early Learning -> Early Learning Organization -> Organization Information -> Early Learning Program Year
J. Early Learning -> Early Learning Staff -> Assignment -> Professional Educational Job Classification
K. Early Learning -> Early Learning Staff -> Credential or License -> Child Development Associate Type
L. Early Learning -> Early Learning Staff -> Credential or License -> Early Childhood Credential
M. Early Learning -> Early Learning Staff -> Credential or License -> Years of Prior Teaching Experience
N. Early Learning -> Early Learning Staff -> Employment -> Role
O. Early Learning -> Early Learning Staff -> Identity -> Staff Member Identification System
P. Early Learning -> Early Learning Staff -> Identity -> Staff Member Identifier

Elements Not Currently in CEDS:

Analysis Recommendations

General Connection Information

CEDS elements are shown in ***bold/italized*** font.

This metric is part of the Education-to-Workforce (E-W) Indicator Framework, specifically "E-W system conditions" which pertain to institutional or systemic environments, policies, and practices within E-W systems that support positive E-W outcomes.

This metric is a measurement for a key indicator, "Teacher experience," and measures whether students have equitable access to experienced teachers.

Calculating a Response

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, and
- 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 school through the ***School Identifier*** where ***School Identification System*** = SEA, or ***Organization Identifier*** where ***Organization Identification System*** = SEA, and
- 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 pre-k teachers using the following CEDS elements:

- ***Role*** = EL Staff

- **Professional Educational Job Classification** = Teacher
- **Early Childhood Credential** = State Awarded Preschool Credential

Identify which teachers have been teaching for less than one year:

- **Years of Prior Teaching Experience** < 1 year

Identify which teachers have been teaching for one to five years:

- **Years of Prior Teaching Experience** ≥ 1 year and ≤ 5 years

Identify which teachers have been teaching for more than five years:

- **Years of Prior Teaching Experience** > 5 years

To determine the percentage of Pre-K teachers with less than one year, one to five years, and more than five years of experience:

Teachers with less than one year experience:

- Count the total number of pre-k teachers
- Count the total number of pre-k teachers who have less than one year experience
- Divide the total number of pre-k teachers who have less than one year experience by the total number of pre-k teachers. Multiply by 100.

Teachers with 1-5 years of experience:

- Count the total number of pre-k teachers
- Count the total number of pre-k teachers who have 1-5 years of experience
- Divide the total number of pre-k teachers who have 1-5 years of experience by the total number of pre-k teachers. Multiply by 100.

Teachers with more than 5 years of experience:

- Count the total number of pre-k teachers
- Count the total number of pre-k teachers who have more than 5 years of experience
- Divide the total number of pre-k teachers who have more than 5 years of experience by the total number of pre-k teachers. 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 element(s) 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 element 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

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