

Connection Title: Teacher Credentials - Pre-K: Percentage of lead teachers with at least a bachelor's degree

Selected Descriptors:

Educational Levels, Degrees, and Organizations->Bachelors Degrees
 Educational Levels, Degrees, and Organizations->Early Childhood Education
 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
 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 at least a bachelor's degree. 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 Class/Group -> Staff -> Assignment End Date
 B. Early Learning -> Early Learning Class/Group -> Staff -> Assignment Start Date
 C. Early Learning -> Early Learning Organization -> Directory -> School Level
 D. Early Learning -> Early Learning Organization -> Identification -> Local Education Agency Identification System
 E. Early Learning -> Early Learning Organization -> Identification -> Local Education Agency Identifier
 F. Early Learning -> Early Learning Organization -> Identification -> Organization Identification System
 G. Early Learning -> Early Learning Organization -> Identification -> Organization Identifier
 H. Early Learning -> Early Learning Organization -> Identification -> School Identification System
 I. Early Learning -> Early Learning Organization -> Identification -> School Identifier
 J. Early Learning -> Early Learning Organization -> Identification -> State Agency Identification System
 K. Early Learning -> Early Learning Organization -> Identification -> State Agency Identifier
 L. Early Learning -> Early Learning Organization -> Organization Information -> Early Learning Program Year
 M. Early Learning -> Early Learning Staff -> Assignment -> Assignment End Date
 N. Early Learning -> Early Learning Staff -> Assignment -> Assignment Start Date
 O. Early Learning -> Early Learning Staff -> Assignment -> Classroom Position Type
 P. Early Learning -> Early Learning Staff -> Credential or License -> Credential Expiration Date
 Q. Early Learning -> Early Learning Staff -> Credential or License -> Credential Issuance Date
 R. Early Learning -> Early Learning Staff -> Credential or License -> Early Childhood Credential
 S. Early Learning -> Early Learning Staff -> Education -> Degree or Certificate Conferring Date
 T. Early Learning -> Early Learning Staff -> Education -> Degree or Certificate Type
 U. Early Learning -> Early Learning Staff -> Employment -> K12 Staff Classification
 V. Early Learning -> Early Learning Staff -> Identity -> Staff Member Identification System
 W. Early Learning -> Early Learning Staff -> Identity -> Staff Member Identifier

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 at least a bachelor’s degree

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 Pre-kindergarten Teachers using the following CEDS element:

- ***K12 Staff Classification*** = Pre-kindergarten teachers

From the list of Pre-kindergarten 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 early learning program year being reported
- ***Assignment End Date*** ≥ June 30 of the early learning program year being reported, or is null

From the list of Lead Teachers, identify those that have at least a Bachelor’s Degree using the following CEDS elements:

- ***Degree or Certificate Type*** = 01051 (Bachelor’s (Baccalaureate) degree
- ***Degree or Certification Conferring Date*** ≤ July 1 of the early learning program year being reported.

To calculate the percentage of pre-k lead teachers with at least a bachelor’s degree:

- Count the number of pre-k lead teachers with at least a bachelor’s degree
- Count the total number of teachers
- Divide the number of pre-k lead teachers with at least a bachelor’s degree by the total number of 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

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