

Connection Title: Teacher Experience: Percentage of K12 teachers with less than one year, one to five years, and more than five years of experience.

Selected Descriptors:

Individual Development and Characteristics->Experience
 Educational Process: School Perspectives->Teacher Qualifications
 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 K12 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. K12 -> Calendar -> Session -> School Year
 B. K12 -> K12 School -> Identification -> School Identification System
 C. K12 -> K12 School -> Identification -> School Identifier
 D. K12 -> K12 Staff -> Assignment -> Professional Educational Job Classification
 E. K12 -> K12 Staff -> Credential or License -> Years of Prior Teaching Experience
 F. K12 -> K12 Staff -> Employment -> Role
 G. K12 -> K12 Staff -> Identity -> Staff Member Identification System
 H. K12 -> K12 Staff -> Identity -> Staff Member Identifier
 I. K12 -> LEA -> Identification -> Local Education Agency Identification System
 J. K12 -> LEA -> Identification -> Local Education Agency Identifier
 K. K12 -> SEA -> Identification -> State Agency Identification System
 L. K12 -> SEA -> Identification -> State Agency Identifier

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 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

Percentage of K12 teachers with less than one year, one to five years, and more than five years of experience

Use the following CEDS elements to identify the school year:

- ***School Year*** = most recent school year, 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 teacher:
 - is associated with a State Education Agency through the ***State Agency Identifier*** where ***State Agency Identification System*** = State
 - is associated with a Local Education Agency through the ***Local Education Agency Identifier*** where ***Local Education Agency Identification System*** = State
 - is associated with a K12 school through the ***School Identifier*** where ***School Identification System*** = State

From the universe of teachers, narrow the list to K12 teachers using the following CEDS elements:

- ***Role*** = K12 Staff
- ***Professional Educational Job Classification*** = Teacher

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 K12 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 K12 teachers
 - Count the total number of K12 teachers who have less than one year experience
 - Divide the total number of K12 teachers who have less than one year experience by the total number of K12 teachers. Multiply by 100.
- Teachers with 1-5 years of experience:
- Count the total number of K12 teachers
 - Count the total number of K12 teachers who have 1-5 years of experience
 - Divide the total number of K12 teachers who have 1-5 years of experience by the total number of K12 teachers. Multiply by 100.
- Teachers with more than 5 years of experience:
- Count the total number of K12 teachers
 - Count the total number of K12 teachers who have more than 5 years of experience
 - Divide the total number of K12 teachers who have more than 5 years of experience by the total number of K12 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 students 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

Community Feedback

Average Overall Rating:

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