

Connection Title: Teachers' contributions to student learning growth: Percentage of instructors demonstrating above average contributions to student learning as measured by student growth on state standardized tests or other outcomes.

Selected Descriptors:

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 ->EQ9: Contributions to academic growth
 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 instructors demonstrating above average contributions to student learning, as measured by student growth on state standardized tests or other outcomes (for example, using value-added models or student growth percentiles). 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. Assessments -> Assessment -> Assessment Academic Subject
 B. Assessments -> Assessment -> Assessment Purpose
 C. Assessments -> Assessment -> Assessment Score Metric Type
 D. Assessments -> Assessment -> Assessment Type
 E. Assessments -> Assessment Result -> Assessment Result Score Value
 F. K12 -> Calendar -> Session -> School Year
 G. K12 -> K12 Course -> School Courses for the Exchange of Data Course Subject Area
 H. K12 -> K12 School -> Identification -> School Identification System
 I. K12 -> K12 School -> Identification -> School Identifier
 J. K12 -> K12 Staff -> Identity -> Staff Member Identification System
 K. K12 -> K12 Staff -> Identity -> Staff Member Identifier
 L. K12 -> K12 Student -> Identity -> Student Identification System
 M. K12 -> K12 Student -> Identity -> Student Identifier
 N. K12 -> LEA -> Identification -> Local Education Agency Identification System
 O. K12 -> LEA -> Identification -> Local Education Agency Identifier
 P. K12 -> SEA -> Identification -> State Agency Identification System
 Q. K12 -> SEA -> Identification -> State Agency Identifier

Elements Not Currently in CEDS:

Disaggregates

CEDS Elements:

A. Adult Education -> AE Student -> Status -> Low-income Status
 B. K12 -> K12 School -> Directory -> Charter School Type
 C. K12 -> K12 School -> Directory -> School Type
 D. K12 -> K12 Student -> Demographic -> Birthdate
 E. K12 -> K12 Student -> Demographic -> Hispanic or Latino Ethnicity
 F. K12 -> K12 Student -> Demographic -> Military Connected Student Indicator
 G. K12 -> K12 Student -> Demographic -> Race
 H. K12 -> K12 Student -> Demographic -> Rural Residency Status
 I. K12 -> K12 Student -> Demographic -> Sex
 J. K12 -> K12 Student -> Disability -> IDEA Indicator
 K. K12 -> K12 Student -> Disability -> Primary Disability Type
 L. K12 -> K12 Student -> Disability -> Section 504 Status
 M. K12 -> K12 Student -> Discipline -> Disciplinary Action End Date
 N. K12 -> K12 Student -> Discipline -> Disciplinary Action Start Date
 O. K12 -> K12 Student -> Discipline -> Disciplinary Action Taken
 P. K12 -> K12 Student -> Economically Disadvantaged -> Economic Disadvantage Status
 Q. K12 -> K12 Student -> Economically Disadvantaged -> Eligibility Status for School Food Service Programs
 R. K12 -> K12 Student -> Economically Disadvantaged -> Status End Date
 S. K12 -> K12 Student -> Economically Disadvantaged -> Status Start Date
 T. K12 -> K12 Student -> English Learner -> English Learner Status
 U. K12 -> K12 Student -> English Learner -> Program Participation Exit Date
 V. K12 -> K12 Student -> English Learner -> Program

Elements Not Currently in CEDS:

Participation Start Date
W. K12 -> K12 Student -> Homeless -> Homelessness Status
X. K12 -> K12 Student -> Homeless -> Status End Date
Y. K12 -> K12 Student -> Homeless -> Status Start Date
Z. K12 -> K12 Student -> IDEA -> Program Participation Exit Date
AA. K12 -> K12 Student -> IDEA -> Program Participation Start Date
AB. K12 -> K12 Student -> Individualized Program -> Student Support Service Type
AC. K12 -> K12 Student -> Language -> ISO 639-3 Language Code
AD. K12 -> K12 Student -> Language -> Language Type
AE. K12 -> K12 Student -> Migrant -> Migrant Status
AF. K12 -> K12 Student -> Migrant -> Program Participation Exit Date
AG. K12 -> K12 Student -> Migrant -> Program Participation Start Date
AH. K12 -> K12 Student -> Program -> Program Participation Exit Date
AI. K12 -> K12 Student -> Program -> Program Participation Start Date
AJ. K12 -> K12 Student -> Program -> Program Participation Status
AK. K12 -> K12 Student -> Program -> Program Type
AL. K12 -> Organization -> Identification -> Organization Type
AM. K12 -> Parent/Guardian -> Education -> Highest Level of Education Completed

► 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

[Percentage of instructors demonstrating above average contributions to student learning, as measured by student growth on state standardized tests or other outcomes \(for example, using value-added models or student growth percentiles\)](#)

Use the following CEDS elements to identify the school year:

- **School Year** = the most recent school year or the school year being reported, and the previous school year, representing July 1 through June 30.

Use the following CEDS elements to determine the universe of teachers and students:

- Pull all unique teachers which is determined by using a unique **Staff Member Identifier** where **Staff Member Identification System** = State
- Pull all unique students which is determined by using a unique **Student Identifier** where **Student Identification System** = State

Where the staff member and student:

- are associated with a State Education Agency through the **State Agency Identifier** where **State Agency Identification System** = SEA
- are associated with a Local Education Agency through the **Local Education Agency Identifier** where **Local Education Agency Identification System** = SEA, and
- are associated with a K12 school through the **School Identifier** where **School Identification System** = SEA

From the universe of Teachers, narrow the list to those who have students in the following courses:

- **School Courses for the Exchange of Data Course Subject Area** = English Language and Literature (01), Mathematics (02), Life and Physical Sciences (03), and/or Social Sciences and History (04)

From the universe of students, narrow the list to students who are demonstrating growth on state standardized tests or other outcomes, using the following CEDS elements:

STUDENTS FOR YEAR 1

- **Assessment Academic Subject** = Reading/Language Arts (13373), or Mathematics (01166), Science (00562), or Social Sciences (History, Geography, Economics, Civics, and Government) (13374)
- **Assessment Type** = Growth Measure
- **Assessment Score Metric Type** = Growth/value-added/indexing (03474), or raw score (03478), or scale score (03479)
- **Assessment Purpose** = Assessment of student's progress
- **Assessment Result Score Value** = Not Null

STUDENTS FOR YEAR 2

- **Assessment Academic Subject** = Reading/Language Arts (13373), Mathematics (01166), Science (00562), or Social Sciences (History, Geography, Economics, Civics, and Government) (13374)
- **Assessment Type** = Growth Measure
- **Assessment Score Metric Type** = Growth/value-added/indexing (03474), or raw score (03478), or scale score (03479)
- **Assessment Purpose** = Assessment of student's progress
- **Assessment Result Score Value** = Not Null

To calculate the percentage of teachers demonstrating above average contributions to student learning,

- Count the total number of teachers who had students from Year 2 earn a better score on their Assessment Result Score Value from Year 1.
- Count the total number of teachers from Year 2.
- Divide the number of teachers who had students from Year 2 earn a better score on their Assessment Result Score Value from Year 1 by the total number of teachers from Year 2. 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

Disaggregate by Home Language

Use the following CEDS elements to disaggregate the final set of students by Home Language:

- **Language Type** = Home Language; and
- **ISO 639-3 Language Code** ? Eng; and/or
- **English Learner Status** = Yes

Disaggregate by Homelessness

Use the following CEDS elements to disaggregate the final set of students by Homelessness:

- **Homelessness Status** = Yes
- **Homeless Serviced Indicator** = Yes
- **Status Start Date** = the school year being reported
- **Status End Date** = the school year being reported

Disaggregate by Disability Status

Use the following CEDS elements to disaggregate the final set of students by Disability Status:

Students with a Disability: A student has a disability if any of the following are true:

- **Disability Status** = Yes
- **Status Start Date** = the school year being reported
- **Status End Date** = the school year being reported

and/or

- **IDEA Indicator** = Yes
- **Program Participation Start Date** = July 1 of the school year being reported
- **Program participation Exit Date** = June 30 of the school year being reported
- **Section 504 Status** = Yes
- **Status Start Date** = the school year being reported
- **Status End Date** = the school year being reported

*Section 504 Status may not apply if your state doesn't collect it.

Students without a Disability: A student does not have a disability if a ll of the following are true:

- **Disability Status** = No, and
- **Primary Disability Type** is null, and
- **IDEA Indicator** = No, and
- **Section 504 Status** = No

Count the number of students with a disability and the number of students without a disability.

For further analysis, disaggregate the students with a disability:

Filter records where

- **IDEA Indicator** = Yes
- **Program Participation Start Date** = the school year being reported
- **Program Participation Exit Date** = the school year being reported

Count, by **Primary Disability Type**, where any of the following are true:??

- **Primary Disability Type** = Autism
- **Primary Disability Type** = Deaf blindness
- **Primary Disability Type** = Deafness
- **Primary Disability Type** = Developmental delay
- **Primary Disability Type** = Emotional disturbance
- **Primary Disability Type** = Hearing impairment
- **Primary Disability Type** = Intellectual disability
- **Primary Disability Type** = Multiple disabilities
- **Primary Disability Type** = Orthopedic impairment
- **Primary Disability Type** = Other health impairment
- **Primary Disability Type** = Specific learning disability
- **Primary Disability Type** = Traumatic brain injury
- **Primary Disability Type** = Visual Impairment

Disaggregate by Urbanicity

Use the following CEDS element to disaggregate the final set of students by Urbanicity.

- **Rural Residency Status** = Yes (indicating Rural) or No (indicating Urban)

Disaggregate by Parental Education Level

Use the following CEDS element to disaggregate the final set of students by Parental Education Level:

- **Highest Level of Education Completed** = Determine what the highest level of education completed is for the parents/guardians of the student

Disaggregate by Migrant Family Household

Use the following CEDS elements to disaggregate the final set of students by Migrant Family Household:

- **Migrant Status** = Yes, No
- **Program Participation Start Date** = the school year being reported
- **Program Participation Exit Date** = the school year being reported

Disaggregate by English Learner

Use the following CEDS elements to disaggregate the final set of students by English Learner:

- **English Learner Status** = Yes, No
- **Program Participation Start Date** = the school year being reported
- **Program Participation Exit Date** = the school year being reported

Disaggregate by School Type

Use the following CEDS elements to disaggregate the final set of students by K12 School Type:

- **Charter School Type** = School Charter or College University or NA; and
- **School Type** = Regular, Special, Career and Technical, Alternative or Reportable
- **Administrative Funding Control** = Public School, Private School, or Other
- **Organization Type** = K12 School, Education Institution

Disaggregate by Age Group

Use the following CEDS element to disaggregate the final set of students by Age Group:

- **Birthdate** = Age as of October 1 of the school year being reported

Disaggregate by Individuals or Family Military Status

Use the following CEDS elements to disaggregate the final set of students by Individuals or Family Military Status:

- **Military Connected Student Indicator** = Not Military, Active Duty, National Guard or Reserve, or Unknown

▶ **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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