

## Cradle-to-Career Data System

### P20W Data Points

In September 2020, the Cradle-to-Career Data System Workgroup adopted a list of 160 data points that would be used to create the analytical data set (referred to as the P20W data set). This list was based on research questions were identified by the Research Agenda Subcommittee, in response to six priority questions outlined in the Cradle-to-Career Data System Act.

Experts from the entities that will provide the data examined each item on the list. Their tasks included documenting how their agency captures the data point, determining whether the data point should be calculated by the managing entity or provided by the source agency, clarifying the years of available data, and assessing the quality of available information.

In some cases, particularly where the value will need to be calculated from several component data elements (such as living wage attainment or highest math course completed) the subcommittee recommended that additional work be done to firm up calculations. Ideally, this would be done after the user-centered design process, to ensure that the calculations address the concept that would be of greatest value to the public.

However, for most elements, the group provided detailed recommendations on how each data point should be displayed. This list is available on the Definitions Subcommittee webpage: <https://cadatasystem.wested.org/meeting-information/definitions-subcommittee>

## Public Data Points

The following data points may be accessed through the query builder, and many will be used to create dashboards. Please see the Publicly Available Data document posted on the Recommendations page of the Cradle-to-Career Data System website for a description of the proposed dashboards:

<https://cadatasystem.wested.org/recommendations>

### Cohorts

- Year first enrolled in early care and learning
- Year first enrolled in kindergarten
- Year first enrolled in third grade
- Year first enrolled in sixth grade
- Year first enrolled in seventh grade
- Year first enrolled in ninth grade
- Year graduated from high school
- Year first enrolled in postsecondary
- Year graduated from postsecondary

### Timeframes

- Single year
- All years

### Early Learning and Care Providers

- Early learning and care institution
- Early learning and care contracted provider type (includes licensure status)
- Early learning and care state program type
- Proportion of students in various racial/ethnic groups
- Proportion of homeless students

### K-12 Institutions

- K-12 institution
- K-12 district
- Type of alternative school
- Type of K-12 institution school
- All online school
- All public schools
- All charter schools
- All K-12 schools
- Kindergarten offerings
- K-12 institution suspension rate
- Four-year adjusted cohort graduation rate
- Institution received additional funding under Local Control Funding Formula (LCFF+)
- Participant in a College Promise Program

- Average class size by grade
- Proportion of students in various racial/ethnic groups
- Proportion of homeless students
- Proportion of graduates meeting College/Career Indicator Requirements
- Proportion of socioeconomically disadvantaged students
- Proportion of students who were childhood English Language learners
- Proportion of children with a disability
- Proportion of K-12 chronically absent students
- Proportion of students completed a distance learning course
- Proportion of students who completed four years of math in high school
- Proportion of students who completed an AVID course
- Proportion of students who completed a K-12 career and technical education course
- Proportion of students who completed an Advanced Placement course
- Proportion of students who completed an International Baccalaureate course
- Proportion of students who completed a college course while in high school
- Proportion of students who completed a-g course requirements
- Proportion of students who earned the Seal of Biliteracy

### **Postsecondary Institution Types**

- Institution
- College district
- Type of postsecondary institution
- All community colleges
- All four-year institutions
- All public institutions
- All private institutions
- All independent institutions
- All California postsecondary institutions
- Out of state two-year public college (from National Student Clearinghouse)
- Out of state two-year private college (from National Student Clearinghouse)
- Out of state four-year public college (from National Student Clearinghouse)
- Out of state four-year private college (from National Student Clearinghouse)
- All out-of-state postsecondary institutions (from National Student Clearinghouse)
- All postsecondary institutions
- Enrollment characteristics at postsecondary institutions
- Institution participates in a College Promise Program
- Race/ethnicity proportions
- Proportion of homeless students
- Proportion of students in the first generation to attend college
- Proportion of students with parents who do not have a bachelor's degree
- Proportion of students receiving disability services
- Proportion of students enrolled in distance learning courses

- Proportion of first-year students completed transfer-level math and English courses in community college
- Proportion of students who earned an associate degree for transfer
- Proportion of community college students enrolled in an English as a Second Language course
- Proportion of students eligible for state financial aid
- Proportion of students receiving financial aid
- Proportion of students in apprenticeship programs
- Total cost of college

### **Geographic Locations**

- Zip Code of Institution
- County
- Region
- Assembly District
- Senate District
- Statewide

### **Early Education Experiences**

- Early learning and care entry age
- Early learning and care duration of enrollment
- Early learning and care half day status

### **Primary School Experiences**

- Institutions attended
- Participated in a transitional kindergarten program
- K-12 grade level
- K-12 chronic absenteeism
- Enrolled in multiple elementary schools
- Enrolled in multiple middle schools
- Third grade assessment level – English language arts
- Third grade assessment level – math
- Fifth grade assessment level – English language arts
- Fifth grade assessment level – math
- Eighth grade assessment level – English language arts
- Eighth grade assessment level – math
- Elementary school science assessment
- Middle school science assessment
- English language proficiency assessments for California
- Completed an AVID course

### **Secondary School Experiences**

- Ninth grade math course
- Number of math courses completed in high school

- Highest K-12 math course completed
- Completed an AVID course
- Completed an Advanced Placement course
- Completed an International Baccalaureate course
- Completed a career and technical education course
- Completed and career and technical education pathway
- K-12 career and technical education pathway
- Completed in a work-based learning program
- Completed a distance learning course
- Met a-g course eligibility requirements
- Completed a college course while in high school
- Completed a leadership/military science course
- Earned the State Seal of Biliteracy
- Eleventh grade assessment level – English language arts
- Eleventh grade assessment level – math
- High school science assessment
- English language proficiency assessments for California
- ACT English score
- ACT math score
- ACT reading score
- ACT science score
- SAT reading & writing score
- SAT math score
- Advanced Placement score
- International Baccalaureate score
- K-12 individual College and Career Indicator level
- Enrolled in multiple high schools
- Completed high school

### **Postsecondary Experiences**

- Applied to college
- Application term
- Admitted to college
- Enrolled in college
- Enrolled in college from out of state
- Time to enrolling in postsecondary
- Term of enrollment
- Institution attended
- Enrolled at multiple colleges
- Type of first-time enrollment
- Community college educational goal
- Retained fall to spring in postsecondary
- Number of units completed per year in postsecondary
- Number of transferrable units in a year in community college

- Enrolled in a community college basic skills math course
- Enrolled in a community college basic skills English course
- Completed transfer level English course in first year of community colleges
- Completed transfer level math course in first year of community colleges
- Enrolled in a community college ESL course
- Subject matter of ESL course in community college
- Postsecondary part time enrollment status
- Completed a postsecondary distance education course
- Returned for second year in postsecondary
- Declared four-year major
- Transfer preparation level
- Applied to transfer from a two-year to a four-year institution
- Accepted for transfer from a two-year to a four-year institution
- Transferred from a two-year to a four-year institution
- Time to transfer from first community college enrollment
- Time to transfer after exiting community college
- Earned a postsecondary award
- Type of community college award
- Type of private college award
- Type of four-year award'
- Postsecondary award discipline
- Time to postsecondary completion
- Time from transfer to earning a bachelor's degree
- Postsecondary graduate student status
- Highest level of education attained

### **Workforce Training Experiences**

- Participated in an apprenticeship program
- Retained in an apprenticeship program
- Earned apprenticeship journey status

### **Financial Aid Experiences**

- Eligible for state financial aid
- Applied for financial aid
- Approved for state financial aid
- Received financial aid
- Amount of financial aid
- Type of financial aid
- Financial aid dependency status
- Expected family contribution of students who applied for aid
- Expected family contribution for financial aid recipients
- Income level
- Amount of debt
- Proportion of terms received financial aid

- Proportion of financial aid types received

### **Social Service Experiences**

- Medi-Cal status
- CalFresh status
- CalWORKS status
- Foster youth status

### **Employment Variables**

- Employment record (one year, three years, five years, ten years after exiting postsecondary)
- Number of quarters employed (in first year, third year, fifth year, and tenth year after exiting postsecondary)
- Cumulative quarters employed (three years, five years, ten years after exiting postsecondary)
- Industry of employment (one year, three years, five years, ten years after exiting postsecondary)
- 25<sup>th</sup> percentile earnings (one year, three years, five years, ten years after exiting postsecondary)
- Median earnings (one year, three years, five years, ten years after exiting postsecondary)
- 75<sup>th</sup> percentile earnings (one year, three years, five years, ten years after exiting postsecondary)
- Earnings gains (one year, three years, five years, ten years after exiting postsecondary) [note: included in earnings over time]
- Attained living wage for a single individual (one year, three years, five years, ten years after exiting postsecondary)
- Attained living wage for a family of four (one year, three years, five years, ten years after exiting postsecondary)
- High demand entry level occupations
- High demand middle skills occupations
- High demand highly skilled occupations
- Salaries for high demand entry level occupations
- Salaries for high demand middle skills occupations
- Salaries for high demand highly skilled occupations

### **Student Characteristics**

- Race/ ethnicity
- Sex/gender
- Age bracket
- Lesbian, Gay, Bisexual, Transgender (LGBT)
- Early learning and care family income level
- K-12 socioeconomic disadvantaged status
- Parental education level

- Homeless status
- Child with a disability (includes special education and IEP status)
- Postsecondary student receiving disability services
- Childhood migrant education program participant
- Military status
- Early learning and care primary language
- Childhood English language learner



## Data Points Available by Request

The following data points may be accessed through the data request process, either as summary or individual-level information

- **Desired Results Developmental Profile Scores** – these are assessments of children who participate in early learning and care, and results are structured in a fashion that would not be appropriate for the query builder.
- **Expected Days of Attendance and Days of Attendance** – these data points are used to calculate chronic absenteeism, which will be available on the query builder. The California Department of Education is willing to provide the component parts if requested, for those seeking to do a deeper analysis.
- **Proportion of students in various types of math courses in grades 6 and 8/middle school math pathway** – due to coding practices, it is difficult to discern the difference in content between individual offerings, so this data point would not be appropriate for the query builder. The California Department of Education is willing to provide information if requested.
- **CTE concentrator** – this item was not included in the original ask but will be made available by the California Department of Education by request. It is not included in the query builder because the measure was recently changed significantly as part of a change in federal reporting requirements, which could cause confusion if included on the query builder.
- **Location of employment** – this data point references the location of the administrative offices for an employer, and so may not be a useful proxy for assessing where students are working. The Employment Development Department is currently reviewing whether this item could be made available upon request.

## Data Points Removed from the P20W Data Set

Three data points were removed because they are not collected by the partner entities:

- Satisfactory academic progress in the first year of postsecondary
- Participated in student support services
- General education requirement waived due to Advance Placement or International Baccalaureate score

One data point was removed because it cannot be used without securing permission from all other states, per a federal data sharing agreement:

- Employed in another state

Six data points were removed because the information is of poor quality at the state level:

- Early learning and care quality rating
- Grade point average (GPA)
- Number of a-g courses taken
- Proportion of graduates meeting UC/CSU Requirements
- Student/counselor ratio
- Participated in a pre-apprenticeship program

Poor quality data points will be prioritized by the data providers for focused improvement efforts, working in tandem with data users to ensure that these efforts will provide actionable information.