

Cradle-to-Career Governing Board Staff Report

Date Report Issued: February 20, 2024
Attention: Members of Cradle-to-Career Governing Board
Subject: **Changes to Data Points in the P20W Data Set**
Staff Contact: Ryan Estrellado, Director of Data Programs

At this meeting, the Governing Board (Board) will have the opportunity to hear updates about potential changes to data points in the P20W data system.

Requested Action:

For this item, the Office of Cradle to Career Data (Office) recommends the Board consider the proposed changes in context of the limitations and implications described.

- ❖ Motion 1: Move to approve the addition of data points to the P20W data set and moving data points from one data partner to another.
- ❖ Motion 2: Move to approve the data points that would be removed from the P20W data set.

Background:

This memo outlines the data that the Office received in its first data submission from its partners in October 2023. The resource in the appendix highlights a summary of data points:

- a) Received in Oct. 2023 (see Appendix)
- b) Additional data for future submissions (Motion 1)
- c) Provided by a different department (Motion 1)
- d) Not received in Oct. 2023 and the Data Provider does not expect to provide the data in the future (Motion 2)
- e) Not received in Oct. 2023, but planned for future submissions
- f) Would need to be submitted by a different Data Provider in the future and options have been identified

This memo describes specific context about these data points to inform the Board's decision making.

For more context, please review pages 29-31 of the [Governance Manual](#), which describes the process that is taken when a Data Provider wishes to formally add, remove, or reassign data points to the list of P20W data points.

Note that file specifications may reflect multiple *data elements per data point* named in the participation agreement. In many cases, Data Providers shared multiple data elements to ensure the Office has the full analytic picture for an associated data point. For example, the California Department of Education (CDE) shared data elements like course identification codes and term codes associated with the math courses data points.

[Additional data points that will be submitted \(Action: Motion 1\):](#)

The Department of Social Services (DSS) will expand the information it is providing to include the following data points:

- *Sex/Gender (DSS)*
- *Race/Ethnicity (DSS)*
- *Child with a Disability (including IEP Status) (DSS)*

[Data points that will be provided by a different department \(Action: Motion 1\):](#)

In two cases, the Department of Health Care Services (DHCS) does not have a data point, but DSS does, so both entities are requesting that the data points be moved from DHCS's list and added to DSS's list in the P20W data set:

- *Foster Youth (DSS)*
- *Early Learning and Care Primary Language (DSS)*

Data points Data Providers do not expect to submit in the future (Action: Motion 2):

Lesbian, Gay, Bisexual, Transgender (LGBT) Status (CSAC and DHCS):

Context from the Data Provider: Neither the California Student Aid Commission (CSAC) nor DHCS collect this data point, and both entities are requesting that it be removed from their list of data points in the P20W data set.

Office Analysis: During the planning process, information on sexual orientation and gender identity was identified as an area where data collection norms and processes are evolving. Currently, the California Community Colleges (CCC) is the only entity that provides data on LGBT status for the P20W data set.

Race/Ethnicity (CSAC):

Context from the Data Provider: CSAC receives its race/ethnicity data directly from CDE, and is requesting that it be removed from their list of data points in the P20W data set.

Office Analysis: The P20W data set already includes race/ethnicity information from CDE. Additionally, race/ethnicity information also comes from CCC, California State University (CSU), University of California (UC), DHCS, and now DSS.

Standardized Exam Scores (IB, AP, ACT, SAT) (CDE):

Context from the Data Provider: CDE has noted that it cannot disclose these data points, but that C2C could obtain the data directly from the entities that administer the exams.

Office Analysis: During the planning process, CDE clarified that this information could only be shared if an additional data sharing agreement were secured with the entities that administer the standardized exams. According to a 2017 survey, the National Center for Education Statistics noted that 65 percent of the 46 states and territories surveyed had college-readiness test scores operational

in their state's longitudinal data system. 11 percent are in the progress of including these data and 7 percent are planning to (Bloom-Weltman, 2019, pg. 21). Given the number of other states including standardized test scores in their longitudinal data systems, the Office has submitted inquiries to College Board, ACT, and International Baccalaureate (IB) to explore procedures for requesting data from these organizations.

Parental Education Level (CDE):

Context from the Data Provider: The CDE is providing a socioeconomic status (SES) indicator to the P20W data system, which is calculated by combining several data points, including parental education level and whether students are receiving or are eligible for Free or Reduced-Price Meals (FRPM). CDE noted that if the Parental Education level is also provided, it could inadvertently disclose whether students are receiving or are eligible for FRPM. The CDE states that it is prohibited by federal statute, Section 9(b)(6)(A) of the National School Lunch Act (42 USC 1758(b)(6)(A)), from providing FRPM data on students for purposes other than providing students with school breakfast or lunch without parental consent.

Office analysis: The P20W data set includes parental education information from CCC, CSU, and UC. However, absent data from CDE, information would not be available for students who do not enter postsecondary education. Furthermore, given pending new guidance from the federal government related to changes to the Free Application for Federal Student Aid (FAFSA), CSAC—which currently provides information on parental education—may no longer be able to do so. Given this context, removing parental education level from the data points submitted by CDE would leave a gap in information.

Not received in Oct. 2023, but planned for future submissions (No action requested):

Early Education and Care Data (CDE):

Per the Participation Agreement, “California Department of Education (CDE) Early Learning and Care (ELC) Data to be provided by the CDE until DSS houses the data.” DSS and CDE are working on systems for collecting these data points within their agencies, DSS through their Early Childhood Integration Data System (ECIDS) and CDE through a system for California State Preschool data. The Office will continue to work with entities to include this domain in the data system.

Average Class Size by Grade (CDE):

CDE noted that new legislation will change the file structure and that this data point should be postponed for now. Senate Bill 872 (Chapter 614, Statutes of 2023) added Education Code 33317.5, requiring the CDE to publish a report on class size. The requirements in the statute will change the file structure of the existing CDE report on DataQuest for “Average Class Size by Subject”.

Data points that would need to be submitted by a different Data Provider in the future and options have been identified (No action requested):

Homeless Status (DHCS):

Context from the Data Provider: DHCS does not have a validated flag for homelessness, requests to remove the data point from its list, and has identified an alternate source for the information.

Office Analysis: The ability to disaggregate data visualizations by homelessness status was an important priority documented in the planned data dashboards during the planning process. The P20W data set contains homelessness information from CDE, CCC, and CSAC. However, absent information from DHCS, information would not be available for students who do not enroll in postsecondary after high school. To fill these gaps, the Office can work with

DHCS to identify whether information could be provided by other California Health and Human Services (CalHHS) departments or by the Homelessness Data Information System.

Postsecondary Students Receiving Disability Services (DHCS):

Context from the Data Provider: DHCS does not collect the postsecondary status of students receiving disability services, requests to remove the data point from its list, and has identified an alternate source for the information.

Office Analysis: The ability to disaggregate data visualizations by disability status was an objective identified during the planning process. Currently, the P20W data set includes a data point on “child with a disability (IEP status)” from CDE and “postsecondary student receiving disability services” from CCC. The Office is working with CalHHS to discuss the possibility of securing information on disability status from DSS.

References:

Bloom-Weltman, Julia. *Statewide Longitudinal Data Systems (SLDS) Survey Analysis: Descriptive Statistics*. Institute of Education Sciences, 2019.

<https://nces.ed.gov/pubs2020/2020157.pdf>

Data Elements by Provider

The Office of Cradle-to-Career Data is building a statewide data system that will provide tools to help students reach their goals and deliver information on education and workforce outcomes.

The Cradle-to-Career System will connect individuals and organizations with trusted information and resources. It will provide insights into critical milestones in the pipeline from early care to K–12 to higher education, skills training, and employment. It will empower individuals to reach their full potential and foster evidence-based decision-making to help California build a more equitable future.

This document shows the list of “P20W” data points that are planned for the deidentified, linked C2C analytical dataset, which is the foundation for the C2C system’s data dashboards, query builder, and research request tool.

DATA ELEMENT	CDE (ELC)	CDE (K12)	CCC	CSU	UC	BPPE ¹	Independents ²	CSAC	EDD ³	DSS	DHCS	DIR	CTC
Early Education Experiences													
Early learning and care entry age	P												
Early learning and care duration of enrollment	P												
Early learning and care half day status	P												
Early Learning and Care Desired Results Developmental Profile Scores (Kindergarten readiness) ⁴	P												
K-12 Experiences													
Institution attended		R											
Participated in a transitional kindergarten program		R											
K-12 grade level		R											
K-12 chronically absent		R											
K-12 expected days of attendance ⁴		R											
K-12 actual days of attendance ⁴		R											
Third grade assessment level - ELA		R											
Third grade assessment level - math		R											
Fifth grade assessment level - ELA		R											
Fifth grade assessment level - math		R											
Eighth grade assessment level - ELA		R											
Eighth grade assessment level - math		R											
Eleventh grade assessment level - ELA		R											
Eleventh grade assessment level - math		R											
Elementary science assessment score		R											
Middle school science assessment score		R											
High school science assessment score		R											
English Language Proficiency Assessments for California		R											
Sixth grade math course ⁴		R											
Eighth grade math course ⁴		R											
Ninth grade math course		R											
Number of math courses completed in high school		R											
Highest K-12 math course completed		R											
Completed a K-12 Advancement Via Individual Determination course		R											
Completed a K-12 Advanced Placement Course		R											
Completed a K-12 International Baccalaureate Course		R											
Completed a K-12 career and technical education course		R											
Completed a K-12 career and technical education pathway		R											
K-12 career and technical education concentrator ⁴		R											
K-12 career and technical education pathway		R											
Completed a K-12 work based learning program		R											
Completed a K-12 distance learning course		R											
Met a-g course eligibility requirements		R											
Completed a college course while in high school		R											
Completed a leadership/military science course		R											
Earned the State Seal of Bilingualism		R											

DATA ELEMENT	CDE (ELC)	CDE (K12)	CCC	CSU	UC	BPPE ¹	Independents ²	CSAC	EDD ³	DSS	DHCS	DIR	CTC
ACT English score		X											
ACT math score		X											
ACT reading score		X											
ACT science score		X											
SAT reading and writing score		X											
SAT math score		X											
Advanced Placement score		X											
International Baccalaureate score		X											
K-12 individual College and Career Indicator level		R											
Completed high school		R											
Postsecondary Experiences													
Applied to college			R	R	R		P						
Application term			R	R	R		P						
Admitted to college				R	R		P						
Enrolled in college			R	R	R	P	P						
Enrolled in college from out-of-state			R	R	R		P						
Term of enrollment			R	R	R		P						
Institution attended			R	R	R	P	P						
Type of first time enrollment			R	R	R		P						
Community college educational goal			R										
Retained from fall to spring in postsecondary			R	R	R		P						
Number of units completed per year in postsecondary			R	R	R		P						
Number of transferrable units completed per year at community college			R										
Enrolled in a community college basic skills English course			R										
Enrolled in a community college basic skills math course			R										
Completed transfer-level English in first year of community college			R										
Completed transfer-level math in first year of community college			R										
Enrolled in a community college ESL course			R										
Subject matter of ESL course in community college			R										
Postsecondary part time enrollment status			R	R	R		P						
Completed a postsecondary distance education course			R	R	R		P						
Returned for second year in postsecondary			R	R	R		P						
Declared two-year major			R										
Declared four-year major				R	R	P	X						
Transfer preparation level (community colleges only)			R										
Applied to transfer to a four-year institution (community college students only)				R	R		P						
Accepted for transfer to a four-year institution (community college students only)				R	R		P						
Earned a postsecondary award			R	R	R	P	P						
Type of community college award			R										
Type of private college award						P							
Type of four-year award				R	R	P	P						
Postsecondary award discipline			R	R	R	P	P						
Postsecondary graduate student status				R	R		P						

DATA ELEMENT	CDE (ELC)	CDE (K12)	CCC	CSU	UC	BPPE ¹	Independents ²	CSAC	EDD ³	DSS	DHCS	DIR	CTC
Workforce Training Experiences													
Participated in an apprenticeship program												P	
Retained in an apprenticeship program												P	
Earned apprenticeship journey status												P	
Postsecondary Financial Aid Experiences													
Eligible for state financial aid								R					
Applied for financial aid			R				P	R					
Approved for state financial aid			R				P	R					
Received financial aid			R				P	R					
Amount of financial aid			R				P	R					
Type of financial aid			R				P	R					
Financial aid dependency status								R					
Expected family contribution for all students who applied for aid								R					
Expected family contribution for financial aid recipients								R					
Income level								R					
Amount of debt			R			P	P						
Social Service Experiences													
CalWORKs status										R			
CalFresh status										R			
Medi-Cal status											R		
Employment Variables													
Wage record									R				
Industry of employment									R				
High demand entry-level occupations									R				
High demand middle skills occupations									R				
High demand highly skilled occupations									R				
Salaries for high demand entry-level occupations									R				
Salaries for high demand middle skills occupations									R				
Salaries for high demand highly skilled occupations									R				
Student Characteristics													
Race/ethnicity	P	R	R	R	R		P	x		F	R		
Sex/gender	P	R	R	R	R		P	R		F	R		
Lesbian, Gay, Bisexual, Transgender (LGBT) status			R				P	x			x		
Early learning and care family income level	P												
K-12 socioeconomically disadvantaged status		R											
Parental education level		x	R	R	R		P	R					
Homeless status	P	R	R				P	R			S		
Foster youth											D		
Child with a disability (includes IEP status)	P	R							F		R		
Postsecondary students receiving disability services			R				P				S		
Childhood migrant education program participant	P	R											
Military status			R	R	R		P	R					
Early learning and care primary language	P										D		
Childhood English language learner	P	R											

DATA ELEMENT	CDE (ELC)	CDE (K12)	CCC	CSU	UC	BPPE ¹	Independents ²	CSAC	EDD ³	DSS	DHCS	DIR	CTC
Teacher Credentials													
Enrolled in a Teaching Credential Program				R									
Enrolled in an Administrator or Counselor Credential Program				R									
Credential Content Code				R									
Credential Program Type				R									
Title of Credential (e.g., Multiple Subject Teaching, Education Specialist)													R
Type of Credential (e.g., Preliminary, Clear, Intern)													R
Authorization													R
Subject Area of Credential													R
Means of Demonstrating Subject Matter Competence													R
Status of Credential (Valid, Pending, Revoked)													R
Credential Start Date													R
Credential Expiry Date													R
Category of Credential (e.g., First, Renewal, New Credential Type)													R
Application Status													R
Campus that Recommended Credential													R
Race/Ethnicity													R
Gender													R
K-12 Institution													
School identification code		R											
School address		R											
School name		R											
District name		R											
School type		R											
District type		R											
Charter status		R											
All-online status		R											
Kindergarten offerings		R											
school suspension rate		R											
LEA four-year adjusted cohort graduation rate		R											
Average class size by grade		P											
Proportion of graduates meeting College/Career Indicator requirements		R											
Pre-K offered	P									P			

DATA ELEMENT	CDE (ELC)	CDE (K12)	CCC	CSU	UC	BPPE ¹	Independents ²	CSAC	EDD ³	DSS	DHCS	DIR	CTC
Postsecondary Institutions													
Postsecondary identification code			R	R	R		P						
Postsecondary address			R	R	R	P	P						
Postsecondary name			R	R	R	P	P						
Community college district			R	R									
Enrollment characteristics at postsecondary institutions			R	R	R		P						
Institution participates in a College Promise program			R	R			P						

Timeline for Data Inclusion

¹ Data planned for year four 2024-2025
² Data planned for year four 2023-2024
³ EDD data expected Spring 2024
⁴ Data will be available by request

Information on Data Inclusion

Received in October 2023	R
Not received in October 2023 but planned for future submissions	P
Additional data for future submissions	F
Provided by a different department	D
Would need to be submitted by a different data provider in the future and options have been identified	S
Not received in October 2023 and the data provider does not expect to provide the data in the future	X

PROVIDER ABBREVIATIONS	
CDE	California Department of Education
ELC	Early Learning and Care
CCC	California Community Colleges
CSU	California State University
UC	University of California
BPPE	Bureau for Private Postsecondary Education
Independents	Independent Institutions of Higher Education
CSAC	California Student Aid Commission
EDD	Employment Development Department
DSS	Department of Social Services
DHCS	California Department of Health Care Services
DIR	Department of Industrial Relations
CTC	Commission on Teacher Credentialing