Cradle-to-Career Data System
Data & Tools Advisory Board Meeting

Agenda

- Swearing-In Ceremony

- Board Member Introductions

- Meet the C2C Executive Director

- Meet the C2C Team

- Overview of the C2C Data System and Advisory Boards

- Public Comment

- Team-Building Opportunity

Swearing-In Ceremony

Amy Tong, Secretary, Government Operations Agency

Oath of Office

For the Office of California Cradle-to-Career Data and Tools Advisory Board, I, _____, do solemnly swear (or affirm) that I will support and defend the Constitution of the United States and the Constitution of the State of California against all enemies, foreign and domestic; that I will bear true faith and allegiance to the Constitution of the United States and the Constitution of the State of California; that I take this obligation freely, without any mental reservation or purpose of evasion; and that I will well and faithfully discharge the duties upon which I am about to enter.

Board Member Introductions

- Full Name
- Title
- Organization
- What brought you to this work?

Meet the Executive Director - Mary Ann Bates

Meet the Director of Data Programs - Ryan Estrellado

Meet the Director of Data Infrastructure - Dan Lamoree

Meet the Director of Engagement - Shannon Serrato

Meet the Chief of Strategic Initiatives and Partnerships - Sydney Armendariz

The Cradle-to-Career Data System

Mary Ann Bates, Executive Director

Taking Action: The Cradle-to-Career Data System

- In 2019, California enacted the [Cradle-to-Career Data System Act](#), which called for the establishment of a state longitudinal data system to **link existing** education, social services, and workforce information. ***Note: no new data reporting required***

- The Act articulated the scope of an **18-month planning process** to be shaped by a workgroup that consists of the partner entities named in the Act. The planning process, was overseen by the Governor's Office and managed by WestEd, ran from January 2020-June 2021.

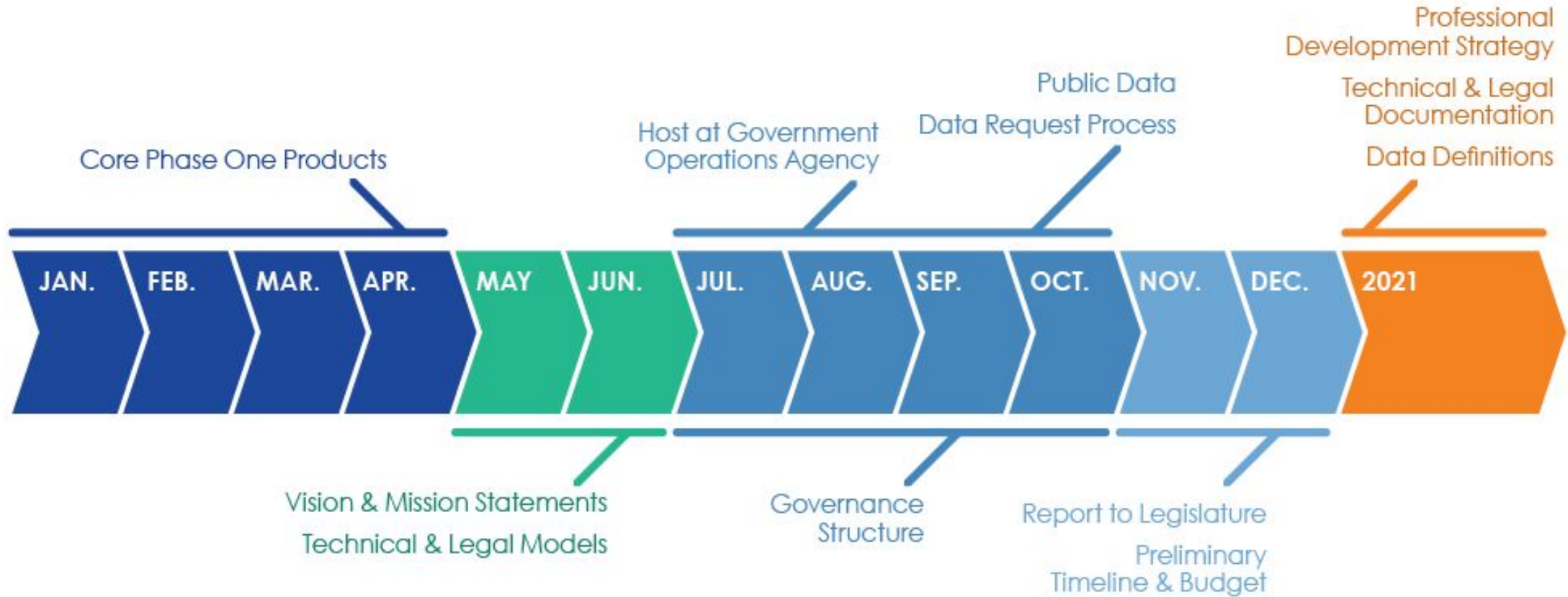# A collaborative approach to designing a solution

Partner entities include:

- **Early Learning and K-12:** California Department of Education

- **Postsecondary**: the Association of Independent California Colleges and Universities, Bureau for Private Postsecondary Education, California Community Colleges, California State University, University of California

- **Education-Related Entities:** California Student Aid Commission, Commission on Teacher Credentialing

- **Employment and Workforce Training:** Employment Development Department, Labor and Workforce Development Agency

- **Social Services and Health:** California Department of Social Services, California Health and Human Services Agency

- **Data Experts:** California Department of Technology, California School Information Services

Members of the public also helped to develop proposals and reviewed recommendations through two advisory groups (Policy & Analytics Advisory Group and Practice & Operations Advisory Group) and five subcommittees (Definitions, Technology & Security, Common Identifier, Research Agenda, and Community Engagement Subcommittees).

There are more than **200 people** who were involved in the planning process.

Planning Timeline

Core Phase One Products — JAN. FEB. MAR. APR.

Vision & Mission Statements
Technical & Legal Models — MAY JUN.

Host at Government Operations Agency — JUL.

Governance Structure — AUG.

Public Data
Data Request Process — SEP. OCT.

Report to Legislature — OCT.

Preliminary Timeline & Budget — NOV. DEC.

Professional Development Strategy
Technical & Legal Documentation
Data Definitions — 2021

Cradle-to-Career Data System Purpose

Vision

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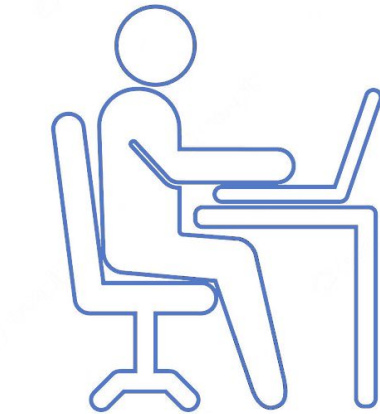
Mission

To be California's source of actionable data and research on education, economic, and health outcomes for individuals, families, and communities; to expand access to tools and services to navigate the education to employment pipeline.
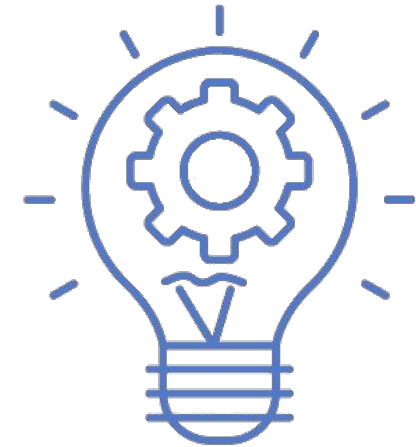
Why is this work needed?

Linking data = Institutions talking to each other
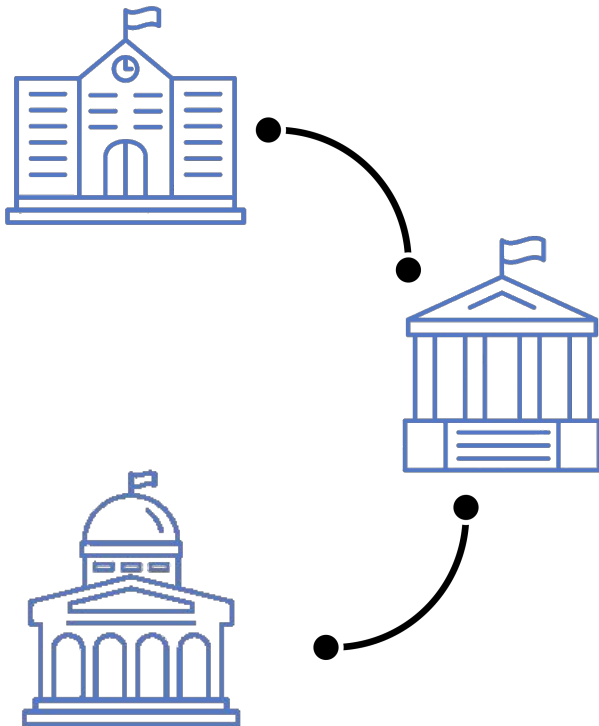
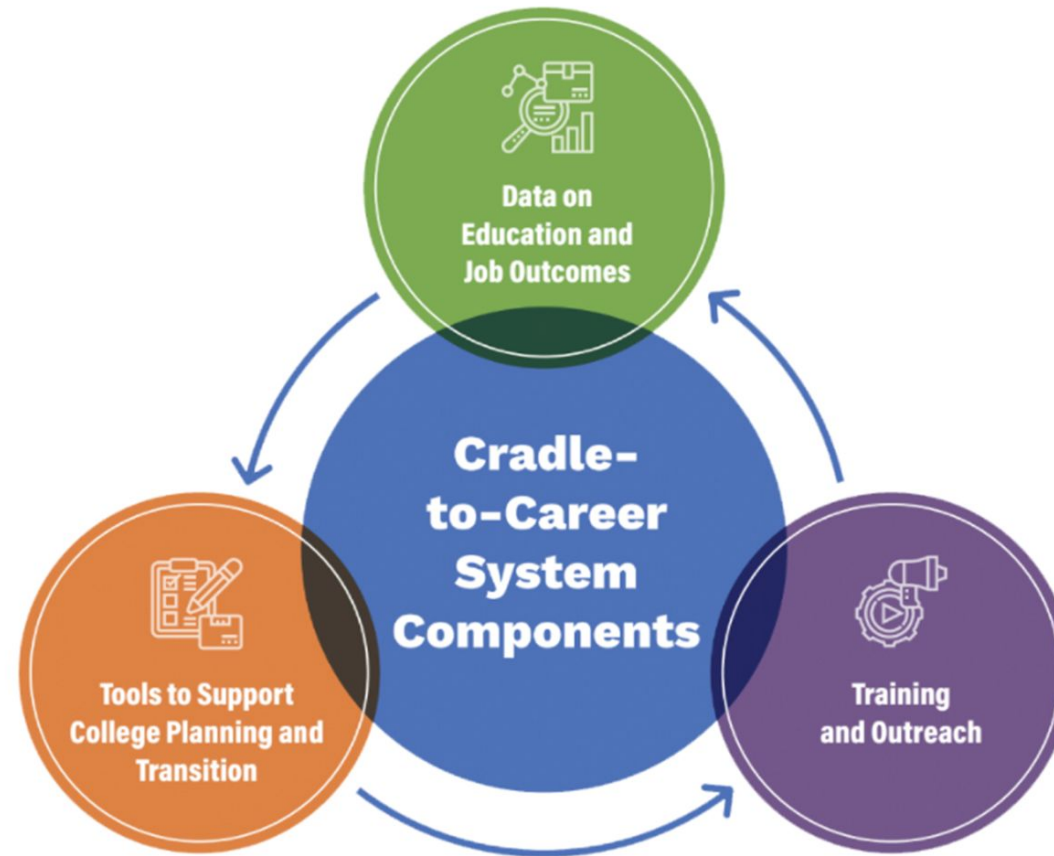**Center the needs of students and families**

Improve understanding

Cradle-to-Career Data System Tools

Linking Data from Cradle to Career: 15 partners

Department of Social Services (Early Childhood Integrated Data System (ECIDS))
California Health and Human Services Agency
Department of Health Care Services

California Department of Education
California School Information Services

California Community Colleges Chancellor's Office
California State University Board of Trustees
The University of California
Association of Independent California Colleges and Universities
Bureau for Private Postsecondary Education
California Student Aid Commission

California Labor and Workforce Development Agency
Division of Apprenticeship Standards of the Department of Industrial Relations
Commission on Teacher Credentialing
Employment Development Department

200 data points: Three ways to access

- Dashboards

- Query builder

- Research request process

Timeline for Implementation

Cradle-to-Career Data System was codified through the Trailer Bill, which includes $15 million in funding for 2021-22 (plus additional line items for scaling student-facing tools)

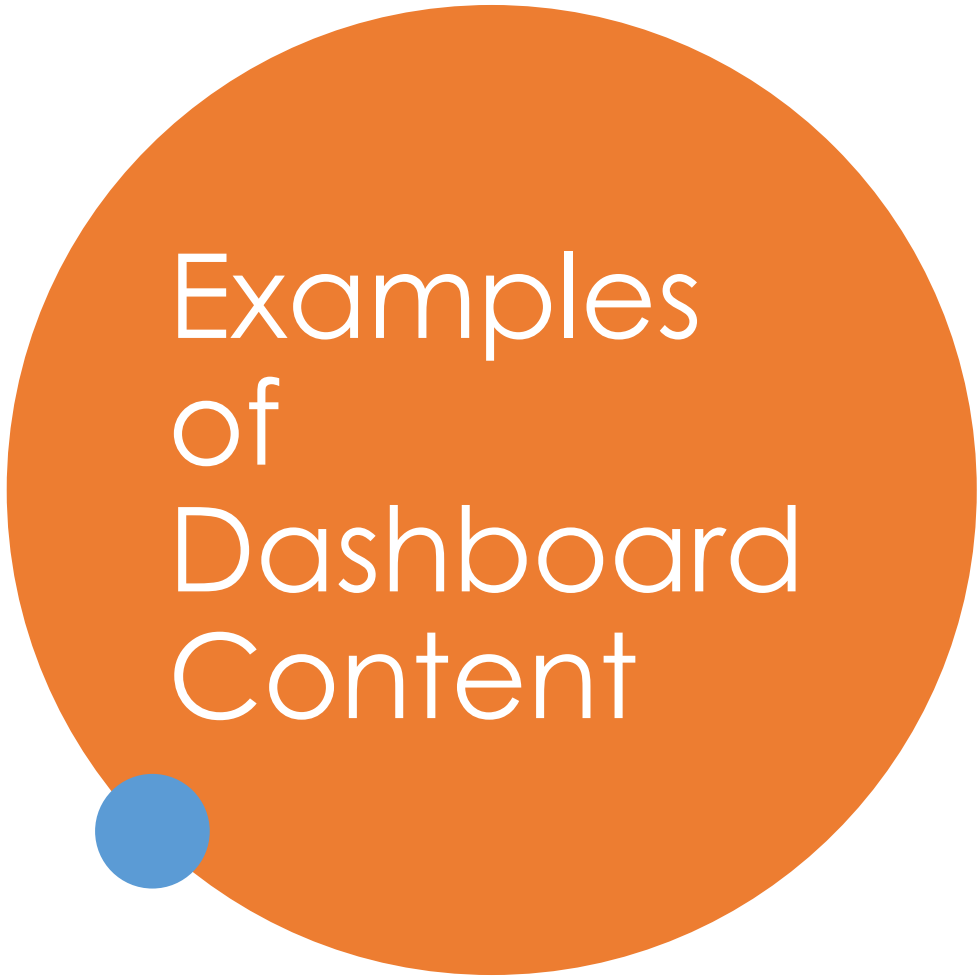| 2020-21 Design Data System | 2021-22 Link Data on K-12, College, and Career | 2022-23 Launch Data System | 2023-24 Expand Access to Tools for Students and Educators | 2024-25 Include Early Learning and Private College Data | 2025-26 Add Social Service, Health, and Workforce Data |

Examples of Tools for Students

- **Foster Youth:** Students can authorize the Department of Social Services to alert the colleges they apply to about their status as foster youth, so the college can work with them from day one about financial aid and other supports that are available to them.

- **College Students:** Students send an electronic transcript when they apply to college and include examples of badges or competency-based certifications.

Examples of Tools for Families and Educators

- **College and career planning:** Families will be able to access to information about education and career options. Parents can see whether their children are on track to meet a-g requirements and work with their schools to make course corrections.

- **Financial aid:** High school counselors can view whether students are completing their financial aid applications and provide more support to ensure that students can afford higher education.

- **Better data:** High schools can get help to ensure their courses are correctly flagged for a-g status, so there aren't problems with students' college applications.
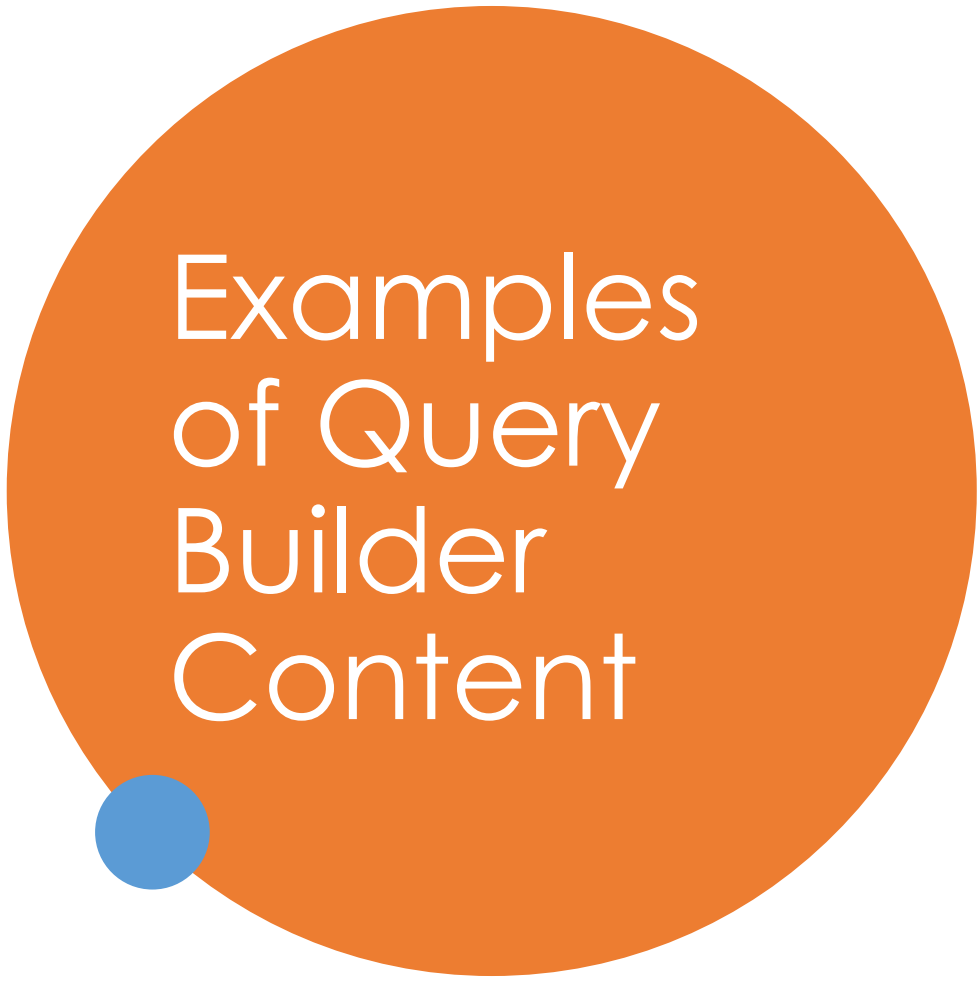
Examples of Dashboard Content

All of these topics will be displayed as **infographics** that allow users to see **trends over time** and the outcomes for different **groups of students**, such as by race, gender, socioeconomic status, and many characteristics from disability to veteran status.

Results can be viewed at the local institution, regional, and statewide levels.

- Are teachers being retained, and how does this relate to their college programs and certification?

- What are the long-term impacts of chronic absenteeism in K-12?

- Which colleges do K-12 students apply to, get accepted to, enroll, and persist in?

- How many students are eligible for financial aid but do not apply? How many students apply for financial aid but do not receive it?

- Which students are most likely to earn a living wage, and how does that relate to their education pathway?

Examples of Query Builder Content

Users can **select variables** of their choice to generate **tables** and **charts** on student outcomes, with the ability to get more specific information, such as:

How do college outcomes vary for students based on:

- The institutional context (suspension rates, proportion of students completing a-g requirements)

- Their family context (whether their parents had gone to college or earned a bachelor's degree)

- Their learning context (when they became proficient in English)

Focused on privacy and neutrality

- Data will be hosted by an **independent third party**—the C2C Office, within the Government Operations Agency—with oversight from a governing board that is accountable to taxpayers. It will not conduct its own research or issue policy statements.

- When looking at education and career outcomes, the public will only see **trends and summaries for anonymized groups of students,** with individual **information kept private.**

- For research projects, individual identities will be hidden, and studies must be approved through a **data request process**.

- For college eligibility, transcript, and social service history data, individuals and their families, or authorized school personnel, will access tools through a **password-protected interface.**

Timeline

- We updated the timeline developed during the planning process
- Find it on our homepage: c2c.ca.gov

Cradle-to-Career **5-Year Projected Timeline**

DRAFT Revised 08.03.2022

	Year 1	Year 2: FY 2022–23	Year 3: FY 2023–24	Year 4: FY 2024–25	Year 5: FY 2025–26
Strategy and Operations	• Seated Governing Board • Signed legal agreements • Appointed Executive Director • Defined leadership positions & initial staff recruitment	• Recruit leadership and build staff team • Secure and prepare physical space for office and community engagement • Define brand identity and communications strategy • Establish office procedures within GovOps	• Ensure sustainability of efforts • Continuous improvement on office operational metrics and efficiency	• Plan for external evaluation • Review externally facing tools and resources for user experience and accessibility	• Review technology infrastructure to ensure it continues to meet expectations • Plan for further expansion in future years
Engagement	• Launched "Community Conversations" • Continued holding meetings open to public input	• Seat Advisory Boards • Launch annual student experience audit • Continued community engagement and feedback	• Annual student experience audit • Provide public trainings on using data tools	• Annual student experience audit • Continued user centered design approach	• Annual student experience audit • Continuous improvement based on input and engagement
Analytical Tools	• Defined procurement and implementation plans for technology products. • Issued RFP for data warehouse • Completed Stages 1 and 2 of CDT's "Project Approval Lifecycle" for IT projects • Review of data point definitions identified during planning process	• Build technical infrastructure • Data providers transfer initial data sets • Design an initial dashboard and query builder interface • Complete Stages 3 and 4 of CDT's "Project Approval Lifecycle" for IT projects	• Develop and implement research data request process • Expand analytical data set to include independent colleges	• Expand analytical data set to include private colleges • Expand analytical data set to include additional early learning and care information • Expand teacher credentialing analytical data set	• Expand analytical data set to include additional social service, health, and workforce information.
Operational Tools	• Expand access to californiacolleges.edu planning tools and high school electronic transcript infrastructure	• Expand access to californiacolleges.edu planning tools and high school electronic transcript infrastructure • Assess possibilities for postsecondary electronic transcripts and eTranscript infrastructure	• Expand access to californiacolleges.edu planning tools and high school electronic transcript infrastructure • Assess possibilities for integrating artifacts for competency-based education into eTranscript infrastructure	• Expand access to californiacolleges.edu planning tools and high school electronic transcript infrastructure • Assess possibilities for integrated social service applications	• Complete state-wide scaling of californiacolleges.edu

Governing Board

- Includes representatives from data providers, policy makers, and the community

- Balances expertise in K-12, postsecondary, social services, workforce, and government and public perspectives

- 21 members

- Meets quarterly
  - November 2nd

Advisory Boards

- **Data and Tools Advisory Board** ensures that the data tools provide actionable information and identifies ways to improve access to that information.
  - Defining and structuring data points
  - Operationalizing data request process
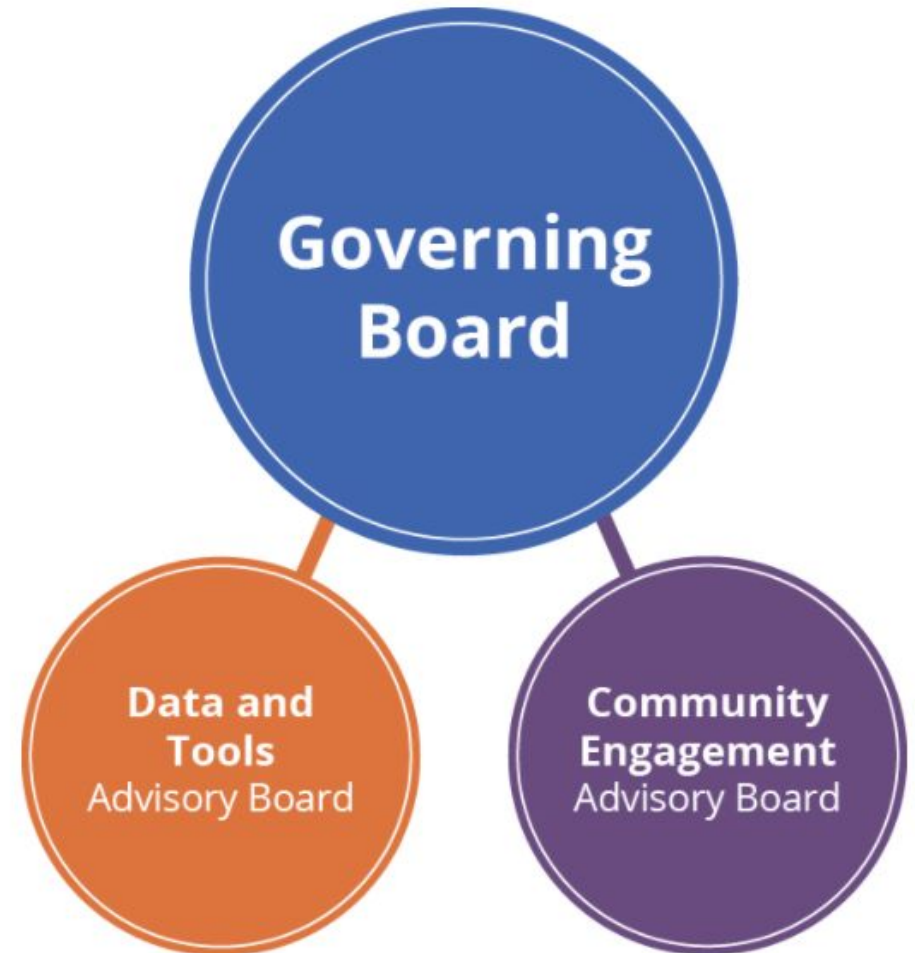
Advisory Boards

- **Community Engagement Advisory Board** ensures there are strong feedback loops with data users to support evidence-based decision-making, analytical capacity, and equitable access to actionable information.
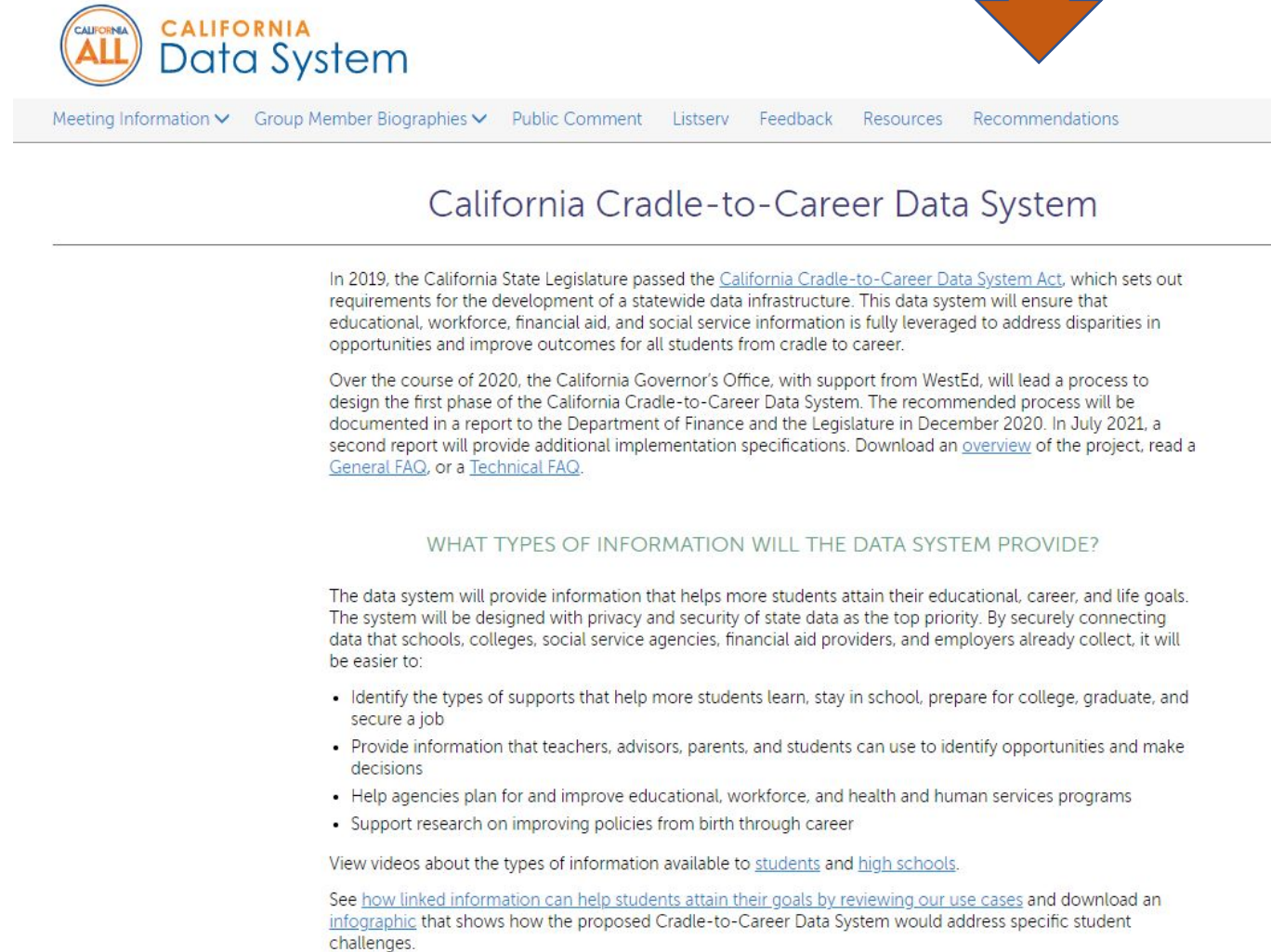 - Plan outreach about the free college, career, and financial aid tools available on CaliforniaColleges.edu
  - Advising on the user experience

Read the specifics

Background information and recommendations are available at:

cadatasystem.wested.org

California
Data System

Meeting Information ⌄   Group Member Biographies ⌄   Public Comment   Listserv   Feedback   Resources   Recommendations

California Cradle-to-Career Data System

In 2019, the California State Legislature passed the California Cradle-to-Career Data System Act, which sets out requirements for the development of a statewide data infrastructure. This data system will ensure that educational, workforce, financial aid, and social service information is fully leveraged to address disparities in opportunities and improve outcomes for all students from cradle to career.

Over the course of 2020, the California Governor's Office, with support from WestEd, will lead a process to design the first phase of the California Cradle-to-Career Data System. The recommended process will be documented in a report to the Department of Finance and the Legislature in December 2020. In July 2021, a second report will provide additional implementation specifications. Download an overview of the project, read a General FAQ, or a Technical FAQ.

WHAT TYPES OF INFORMATION WILL THE DATA SYSTEM PROVIDE?

The data system will provide information that helps more students attain their educational, career, and life goals. The system will be designed with privacy and security of state data as the top priority. By securely connecting data that schools, colleges, social service agencies, financial aid providers, and employers already collect, it will be easier to:

- Identify the types of supports that help more students learn, stay in school, prepare for college, graduate, and secure a job
- Provide information that teachers, advisors, parents, and students can use to identify opportunities and make decisions
- Help agencies plan for and improve educational, workforce, and health and human services programs
- Support research on improving policies from birth through career

View videos about the types of information available to students and high schools.

See how linked information can help students attain their goals by reviewing our use cases and download an infographic that shows how the proposed Cradle-to-Career Data System would address specific student challenges.

Questions?

Break - 10 Minutes

Advisory Board Overview

Mary Ann Bates, Executive Director

Sydney Armendariz, Chief of Strategic Initiatives and Partnerships

Community Engagement Advisory Board

- Creates strong feedback loops with data users to support evidence-based decision-making, analytical capacity, and equitable access to actionable information

- The first tasks in 2022-23 will include:
  - Advising on ways to conduct outreach about the free college, career, and financial aid tools available on CaliforniaColleges.edu
  - Advising on the user experience testing, outreach, and feedback loop mechanisms for public dashboards, starting with the Teacher Training and Retention Dashboard

Data & Tools Advisory Board

- Examines whether the data system is providing actionable information and identifying ways to improve access to that information

- The first tasks in 2022-23 will include:
  - Advising on the implications of how data points are defined and data sets will be structured for the dashboards and query builder, starting with the Teacher Training and Retention Dashboard
  - Advising on how the data request process will be operationalized

Board Member Duties

- Attend at least two in-person meetings in Sacramento or virtual meetings per year

  - Note: reimbursement will be provided for public transportation, mileage, and parking, and airfare and hotel will be covered for those located more than 100 miles away

  - All board meetings are subject to the [Bagley-Keene Open Meeting Act](#)

- Review draft documents in the advance of meetings

- Gather input from and share information with community members

- Complete forms to document any potential conflicts of interest

Board Member Duties

- Representatives of specific institutions serve no more than one consecutive term and can only have one seat on an Advisory Board at a time.

- The quorum for meetings is that **two-thirds** of the membership (11 members) of the Advisory Board must be present.

- Please refer to the [Governance Manual](#) on the C2C website.

  - Advisory Board sections begin on page 27

Board Member Duties

- **Authority** The responsibility of the Community Engagement Advisory Board is to examine whether the Office managing entity is creating strong feedback loops with data users, supporting evidence-based decision making and analytical capacity, and ensuring equitable access to actionable information.

- Per Education Code Section 10865(b)(1)(B).

Board Member Duties

- **Authority** The responsibility of the Data and Tools Advisory Board is to examine whether the data system is providing actionable information and identifying ways to improve access to that information.

- Per Education Code Section 10865(b)(1)(A).

Board Member Duties

Member Expectations All members of the Community Engagement Advisory Board are expected to:

- Ensure that appropriate resources are aligned to support the work of the data system

- Ensure the technical tools of the data system are working as intended

- Ensure their attendance or that of a designated representative

- Advocate for the Cradle-to-Career Data System to key stakeholders

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Board Member Duties

Decision-making The Community Engagement Advisory Board provides input and feedback and makes recommendations to the Governing Board. Decisions are made by consensus. Recommendations are paired with feasibility studies by the Office regarding data availability, reliability, and validity; legal requirements; startup and ongoing costs to the Office and to the data providers; potential approaches for collecting the information; and any political or other implications that would jeopardize the neutrality of the Office.

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Board Member Duties

Responsibilities The Community Engagement Advisory Board develops suggestions to improve data utilization for the Governing Board, including, but not limited to:

- Professional development and technical assistance models that foster evidence-based decision-making, strengthen analytical capacity to use available data tools, and enable end users to understand structural factors that influence outcomes
- Communication structures that ensure a broad range of Californians know about and are using the tools
- Feedback loops that ensure meaningful public input
- Additional tools that would address strategic objectives for the Cradle-to-Career Data System

Board Member Duties

Responsibilities The Data and Tools Advisory Board will ensure the continued technical development, maintenance, and operation of the Cradle-to-Career System and its ability to ensure privacy and comply with current and emerging standards for technology and may establish ad hoc committees as needed.

The Data and Tools Advisory Board develops suggestions to improve the usability and usefulness of the data and tools for the Governing Board, including, but not limited to:

- Dashboard visualizations
- Data points in the query builder
- Operational tools (californiacolleges.edu; eTranscript CA)
- Data request process

Board Member Duties

Responsibilities cont: Each year, the Data and Tools Advisory Board will review all prior data requests to facilitate the continuous improvement of the data request process and ensure that it is clear, transparent, fair, and efficient, including identifying mechanisms that would enable appropriate data requests to be fulfilled.

Board Member Voting Process

- Board members will discuss issues such as:
  - Forming ad hoc committees
  - Analyzing and submitting recommendations to the Governing Board
- Voting will be by consensus
  - No formal motions will be required.

Board Chair Duties

- The Advisory Board will elect a chair to serve a two-year term.

- The Advisory Board Chair will be responsible for:

  - Facilitating board meetings and setting agendas,

  - Acting as the Advisory Board's primary point of contact for the Office Executive Director,

  - Supporting the Office staff with communications.

Process for Electing the Board Chair

- All eligible board members who are interested in serving as the Board Chair will submit a statement of interest for discussion and a vote.

- The Office will send an email to Advisory Board members inviting members to run by submitting a statement of interest.

- The Advisory Board will select a Board Chair at the October Advisory Board Meeting.

Questions?

Bagley-Keene Open Meeting Act Overview

Ron Marryott, General Counsel

The Bagley-Keene Open Meeting Act

- Guiding principles
  - Meetings and decisions open to the public
  - So that the public can monitor and participate in the process

The Bagley-Keene Open Meeting Act

- Basic requirements
  - Advance notice
  - Open sessions
  - Public comment

The Bagley-Keene Open Meeting Act

- Avoid so-called "serial meetings"
  - Phone calls, texts, emails, or posts that engage --
  - A majority of members –
  - All at once, or one after another –
  - Directly, or indirectly through intermediaries --
  - About a topic of board business

The Bagley-Keene Open Meeting Act

- More information
  - Government Code Section 11120 – 11132
  - [A Handy Guide to the Bagley-Keene Open Meeting Act 2004](#), from the California Attorney General's Office

  - OAG presentation and Q&A next meeting

Questions?

Public Comment

Members the public who want to comment should use the Q&A feature to send a message to indicate your interest. During the public comment period, Rhegille will unmute you when it is your turn. You will have two minutes to comment.

Board members are not required to respond to public comment.

You may also submit written public comments to info@c2c.ca.gov

Team-Building Opportunity

- What is your (or your organization's) top priority for the C2C Data System?

- What concerns should we be aware of?

- What opportunities should we be thinking about?

Resources

- Website: www.c2c.ca.gov
- Planning process website: cadatasystem.wested.org

Questions? Email Sydney Armendariz at
Sydney.Armendariz@c2c.ca.gov