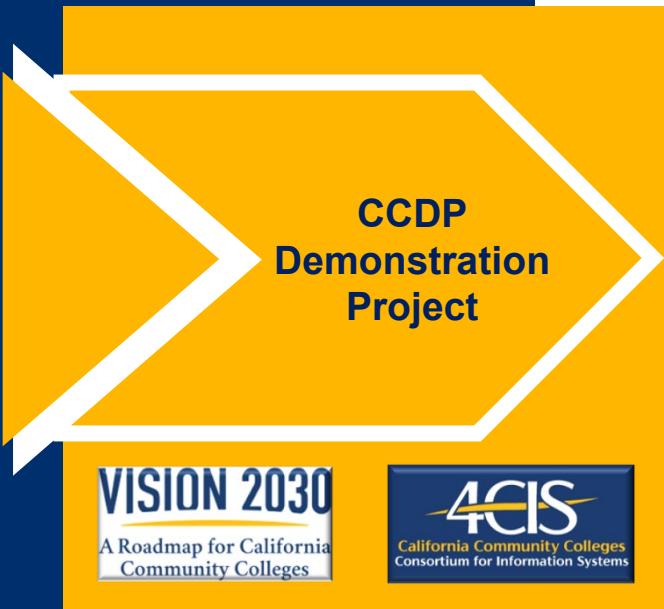




California Community Colleges



# **Building Momentum:** Forging a Path Forward for the Common Cloud Data Platform

June 17, 2025

# Agenda

1. Project Team and Partners
2. Common Cloud Data Platform Vision
3. Benefits to Students, Colleges, and Staff
4. Key Achievements
5. Scaling and Expanding Impact



# Project Team



**Rupa Saran**

Project Lead

*Vice Chancellor  
and  
Chief Information  
Technology Officer*

Coast CCD



**Craig Hayward**

Project Sponsor

*Visiting Executive  
for Strategic  
Research and  
Innovative Design*

CCCCO



**Gary Moser**

Project Coordinator

*Vice Chancellor  
and  
Chief Information  
Officer*

Kern CCD



**Jory Hadsell**

Project Coordinator

*Vice Chancellor  
and  
Chief Technology  
Officer*

FHDA CCD



**Justin Schultz**

Project Support

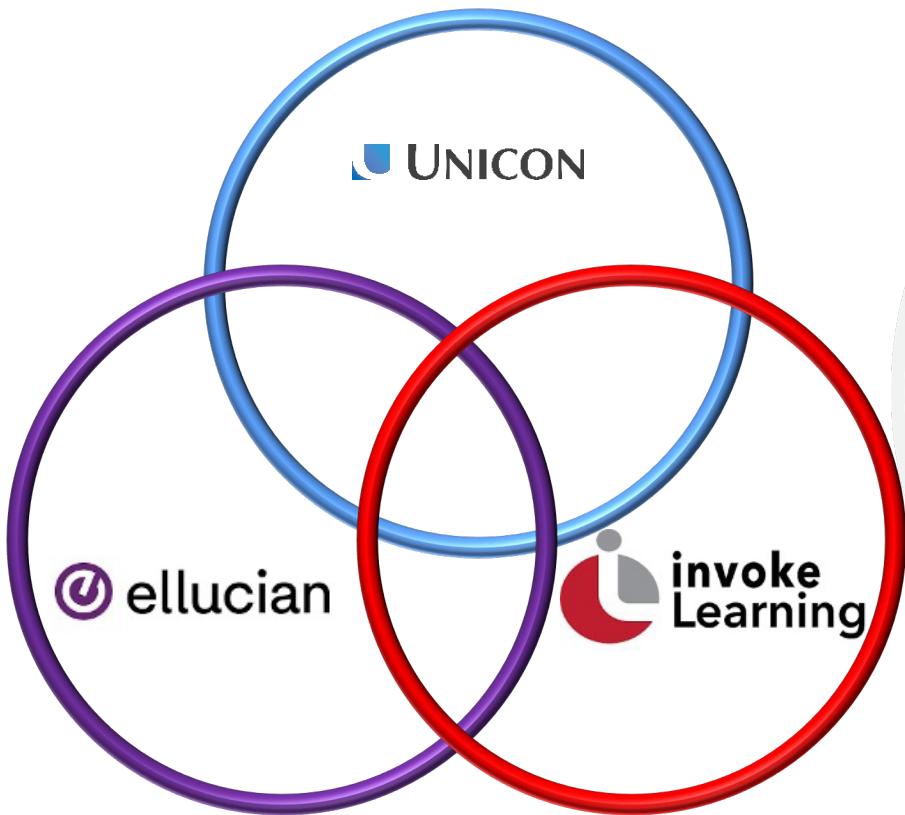
*Director, Strategic  
Planning &  
Operations, IT*

FHDA CCD



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# Solution Partners



# Initial Participating Districts

- **Coast Community College District:** Coastline, Golden West, Orange Coast
- **Kern Community College District:** Bakersfield, Porterville, Cerro Coso
- **Foothill - De Anza Community College District:** Foothill, De Anza
- **Siskiyous Joint Community College District:** College of the Siskiyous
- **Santa Clarita Community College District:** College of the Canyons
- **Cerritos Community College District:** Cerritos

The initial cohort was selected based on a variety of factors, including but not limited to district size, multi- or single-college, executive interest, and to represent a variety of ERP systems.

# What is the Common Cloud Data Platform?



- Single interface for Chancellor's Office to access districts' data
- Establishes a core data architecture and schema that allows for fraud mitigation and AI technologies
- Able to streamline MIS and 320 reporting
- Designed to address a diversity of ERP providers and multiple hosting scenarios (on-premises, cloud, SaaS)

# Benefits to Students

- Improved, more timely tracking of course-taking, units, and progress across the system.
- Improved support and early alert options, including from AI-enabled technologies.
- Systemwide capabilities to ensure the integrity of enrollment systems and combat fraud.
- Real-time student analytics, that will enhance program mapping and student pathways, thus facilitating smoother program completion with fewer excess units.
- Streamlined transfer capabilities, including ability to support automatic application and acceptance pipeline to other institutions
- Support for the Cradle-to-Career program and other intersegmental initiatives.



# Benefits to Colleges and Staff

- Streamlined data and attendance reporting, enabling overstretched IT staff to prioritize critical duties.
- Synchronization of data from districts to the Chancellor's office will occur in a modern system, improving data governance and system responsiveness while reducing downtime.
- Implementation of a field-driven common data structure; and
- Creation of a Chancellor's Office dashboard will provide real-time data updates, enabling the state to rapidly identify enrollment and success trends.

# What CCDP Means for You

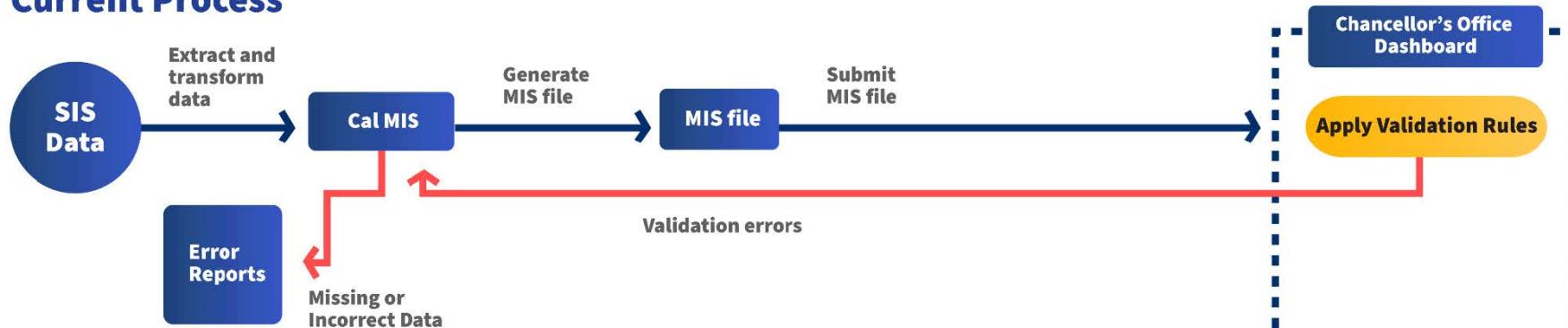
- Colleges save time—staff focus on strategy, not spreadsheets.
- Leadership gains insights—better funding/resource allocation.
- Students benefit—faster reporting means proactive interventions and smoother transfers.

*"We're replacing what I call 'Rube Goldberg device processes'—exporting a file, doing this, then uploading it. If any step breaks, it creates a lot of issues. CCDP replaces that with software that communicates between systems, making everything smoother, with fewer problems."*

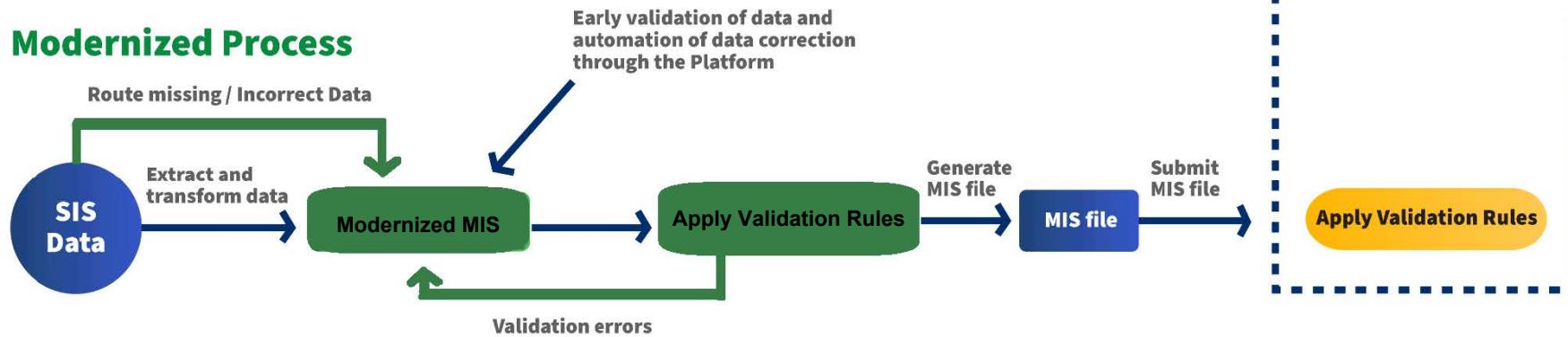
— Matt Donaldson, Director of Information Technology - College of the Siskiyous



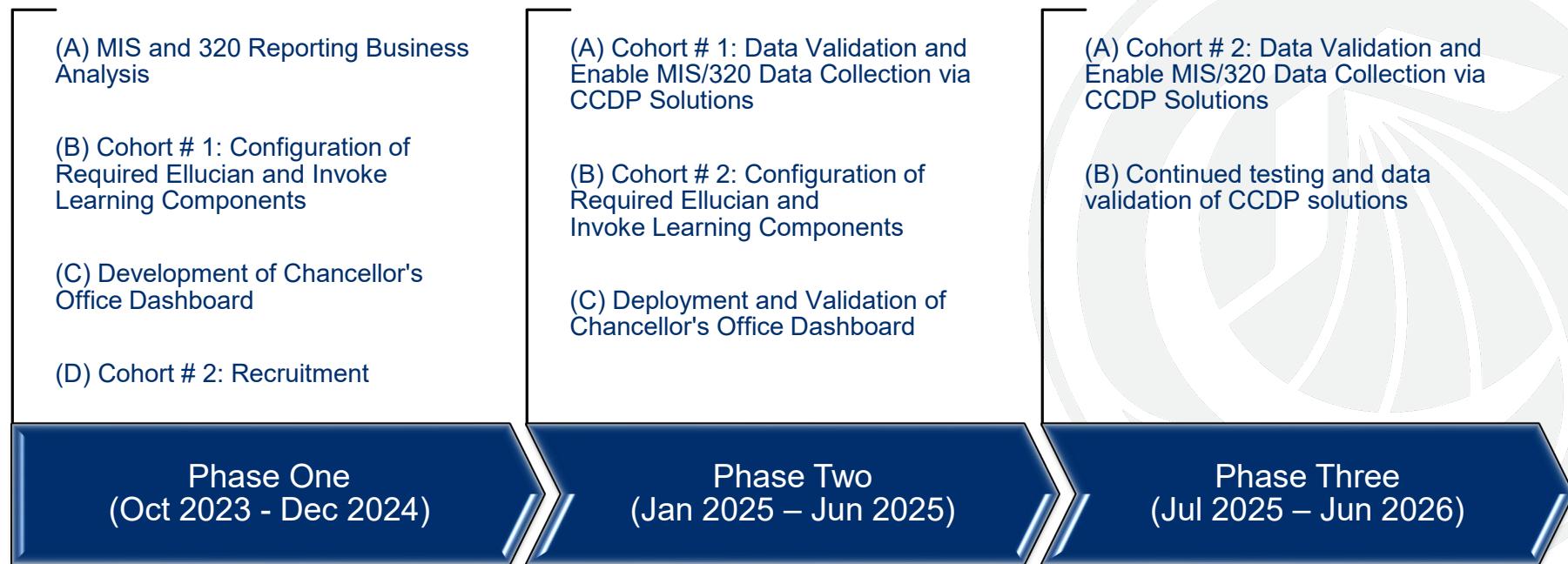
## Current Process



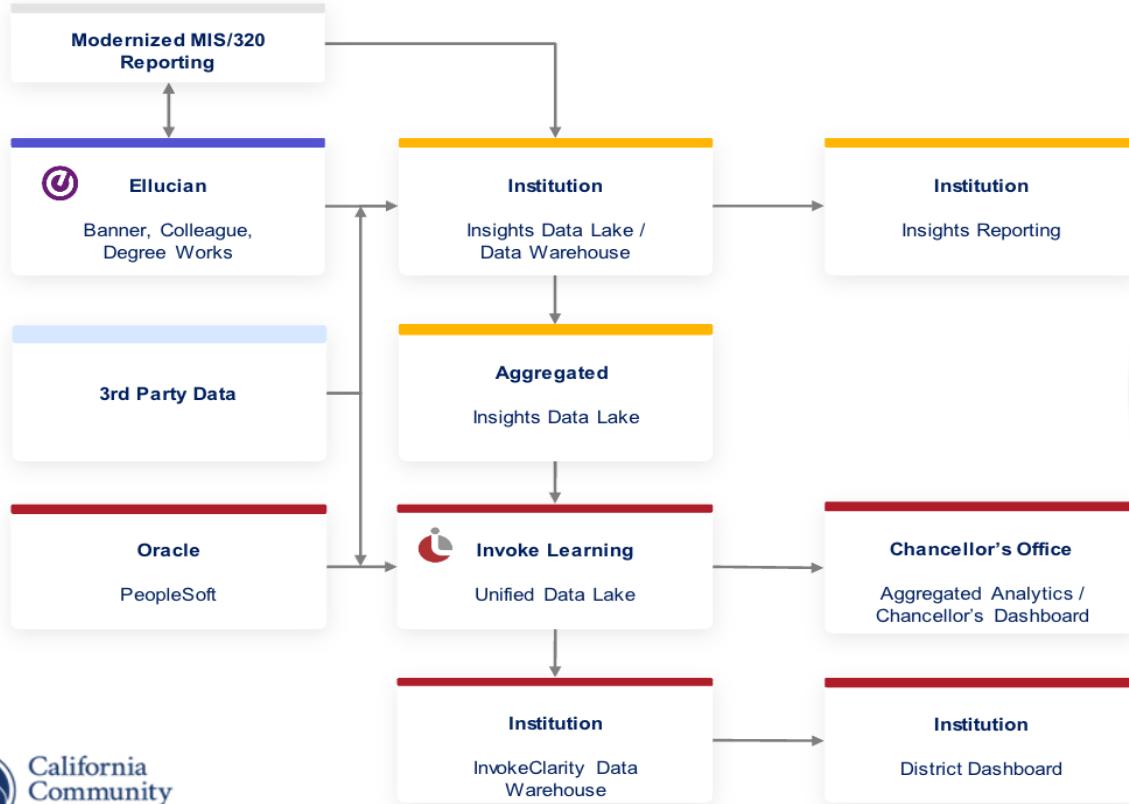
## Modernized Process



# Current Grant: Project Timeline Summary



# Original CCDP Project Vision



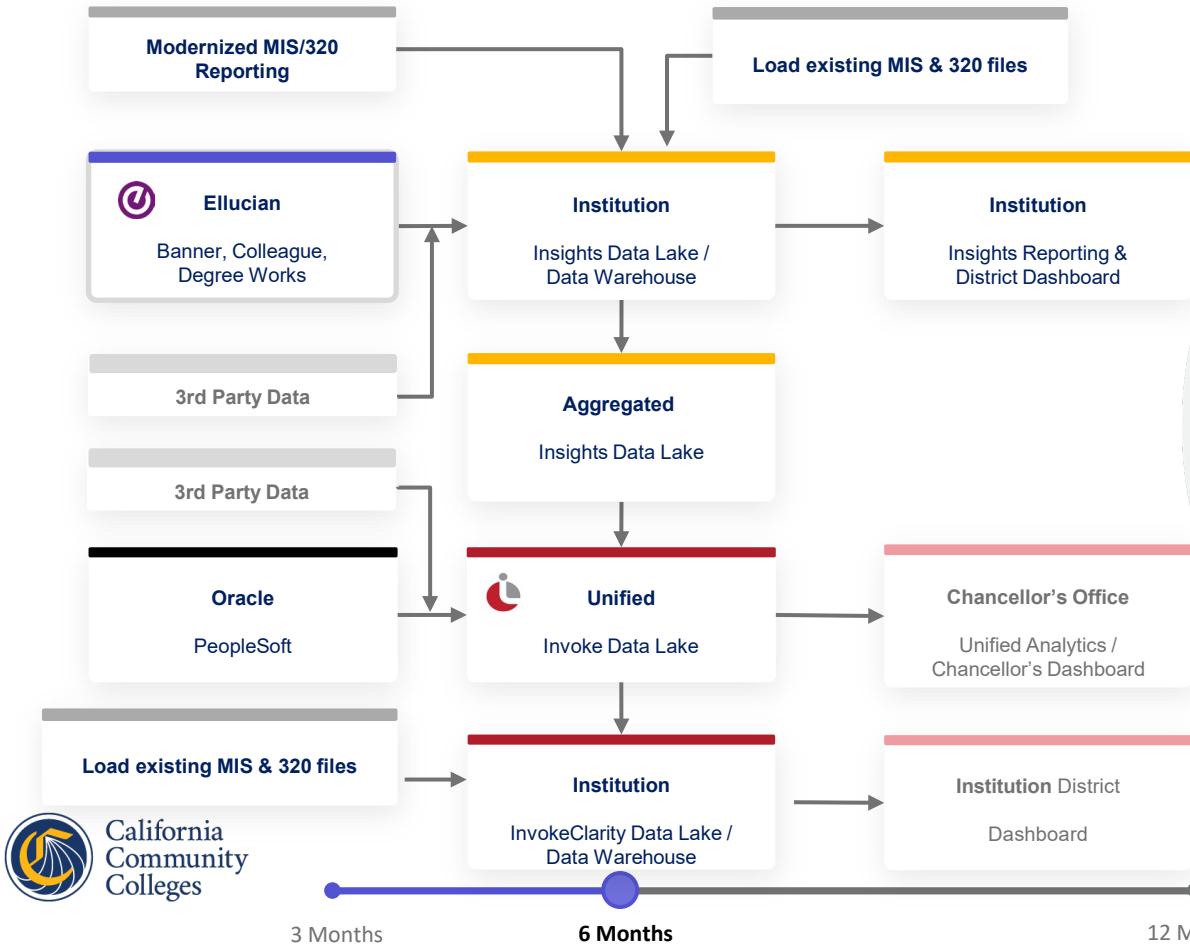
## Vision Highlights

- Ellucian districts can report on MIS, 320, 3rd party and ERP data (including transactional data) from within Insights
- MIS and 320 data available in Aggregated Data Lake
- ERP and 3rd party data available in Aggregated and Unfied Data Lakes
- PeopleSoft districts can report on MIS, 320, 3rd party and ERP data (including transactional data) from within InvokeClarity
- Districts can derive functional and fiscal benefits



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# 6-Month Milestones Delivered



## Milestone Highlights

### Banner / Colleague Districts

- ERP data available in Insights
- Systemwide data lake feeds Invoke
- 3 x MIS files modernized
- Validation rules, fast updates

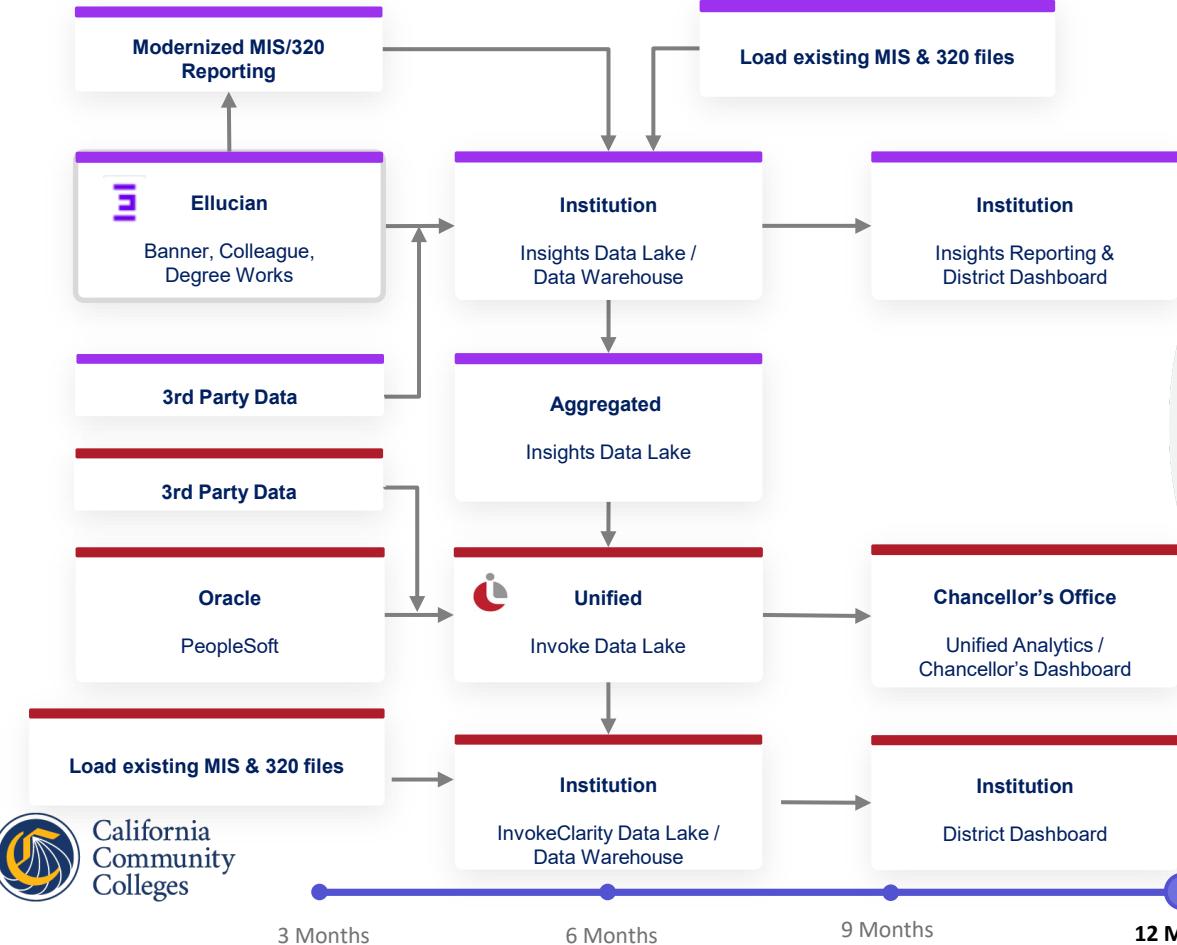
### PeopleSoft Districts

- Have begun receiving data from the Aggregated Insights Data Lake
- Load of existing MIS/320 data
- Multi-district aggregations for enrollment data
- Begin the design for the District and Chancellor's Office Dashboards



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# CCDP 12 Month Milestone



## Milestone Highlights

### Banner / Colleague Districts

- All MIS reports modernized
- Data Connect import for 3rd party data
- Beta testing of modernized solution

### PeopleSoft Districts

- Completed validation of InvokeClarity data warehouse layer.

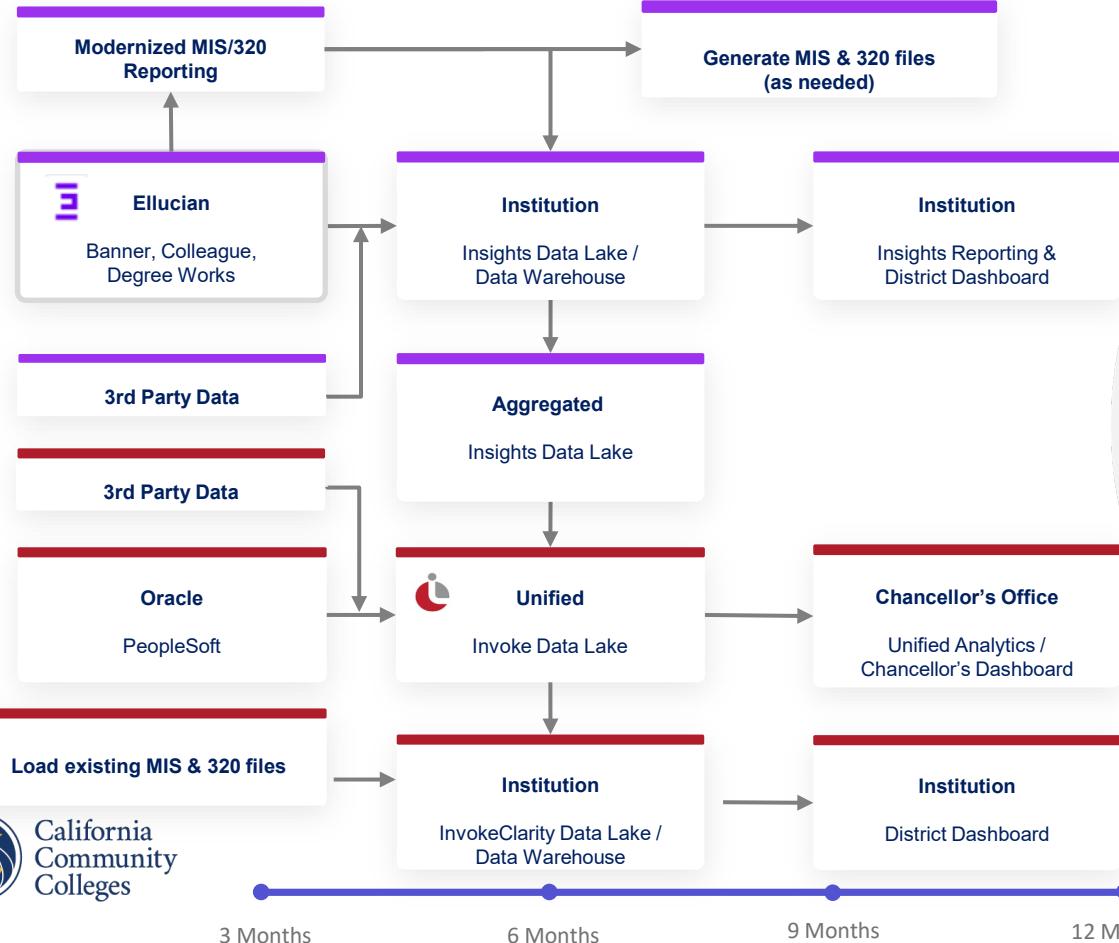
### Chancellor's Office

- Requirements complete on Chancellor's Office Dashboard
- Initial release of the Chancellor's Office dashboard



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# CCDP 15 Month Milestone



## Milestone Highlights

### Banner / Colleague Districts

- MIS and 320 files can be generated
- Decision point for adoption

### Chancellor's Office

- Release of complete edition of the Chancellor's Office dashboard



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# Chancellor's Office Dashboard

**Month 12 Goal:** Provide daily enrollment view along with enrollment trends and benchmarks for all CCDP Cohort 1 colleges, aggregated to districts and various region types

## Process:

- Gathered requirements from Project Leadership and CO Teams through series of requirements meetings
- Built dashboard according to wireframe designs and desired functionality
- Created a database that combines aggregated data from each district using Invoke's curated tables

## Status:

- Dashboard built for daily data with three highly detailed & disaggregateable views
  - Enrollment Management
  - Trends
  - Benchmarks



# Chancellor's Dashboard – Enrollment Management View



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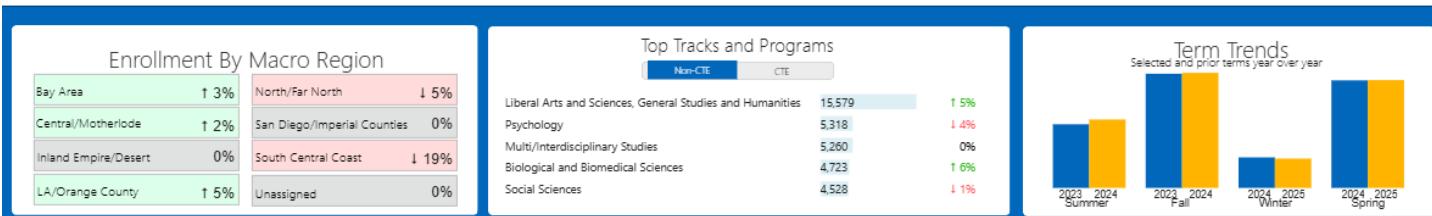
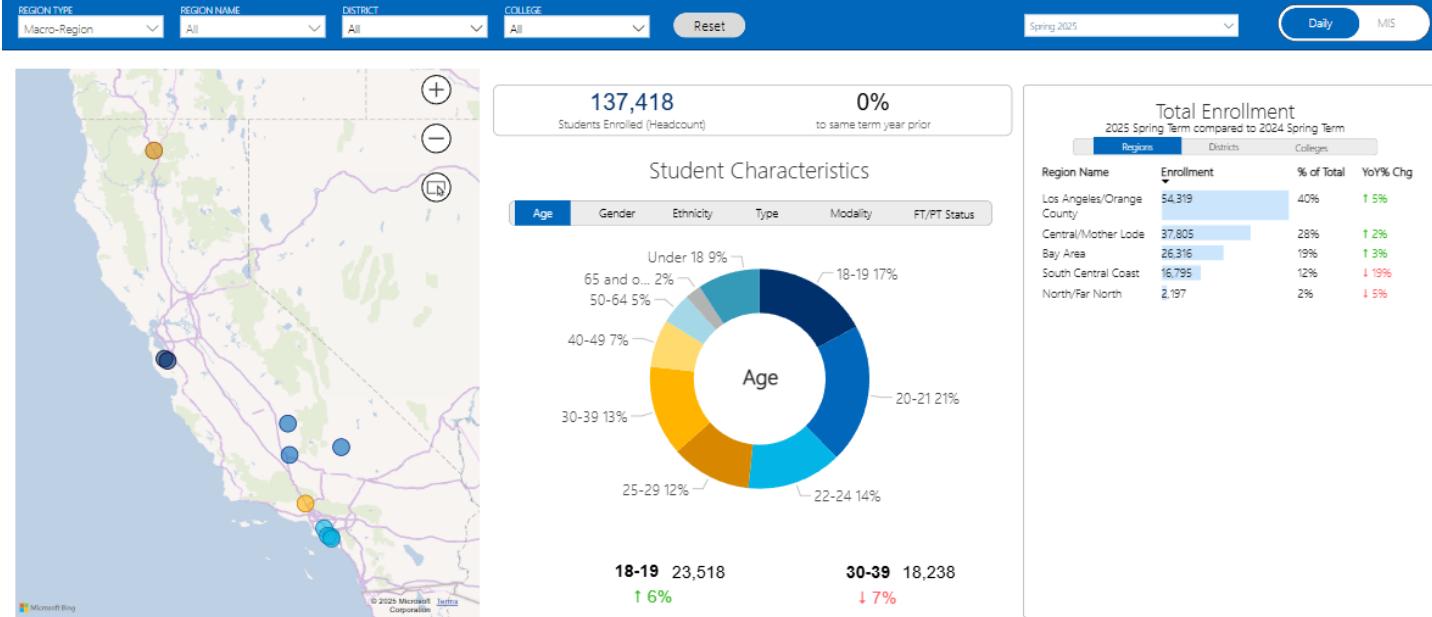
ENROLLMENT SUMMARY

TRENDS

BENCHMARKS

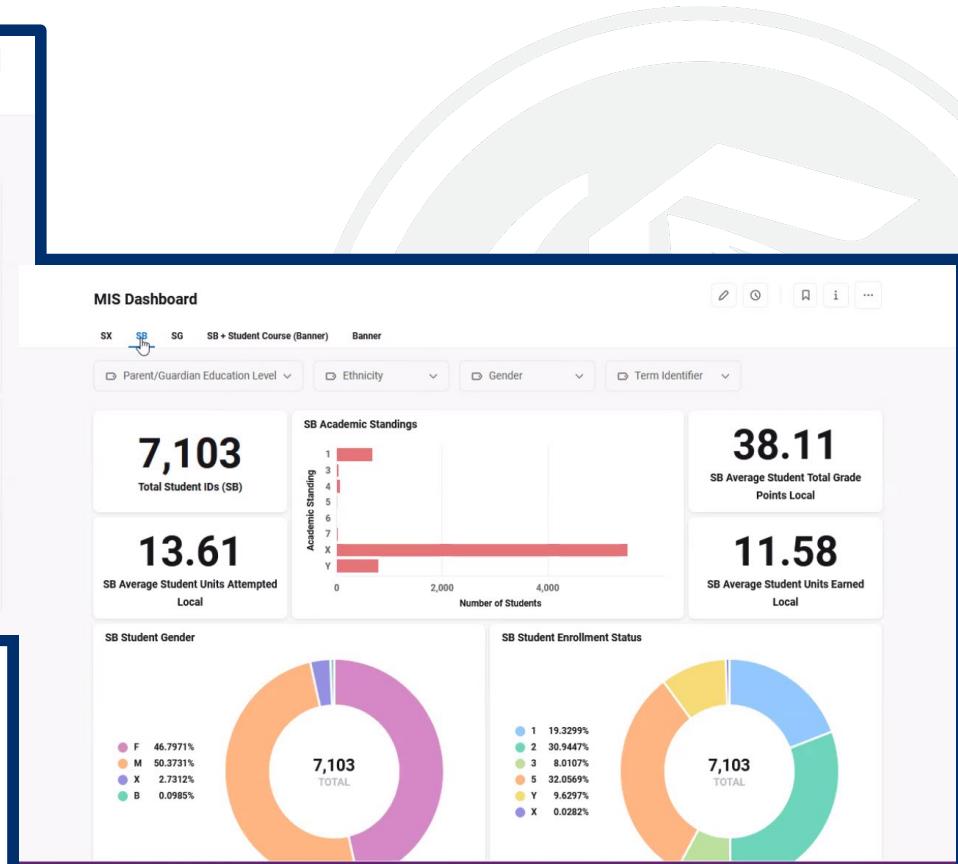
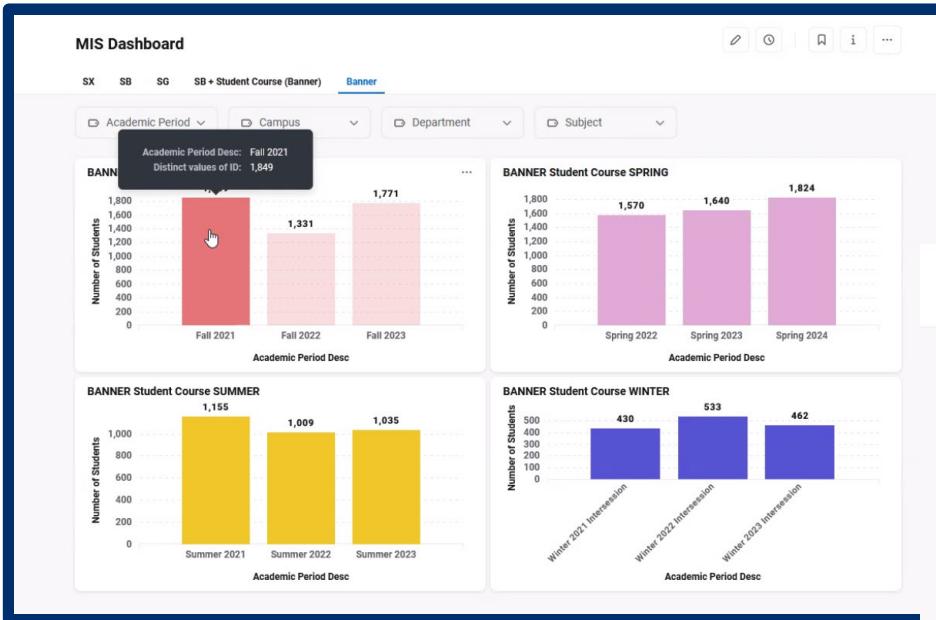
MIS TOPICS

Last updated 6/15/2025



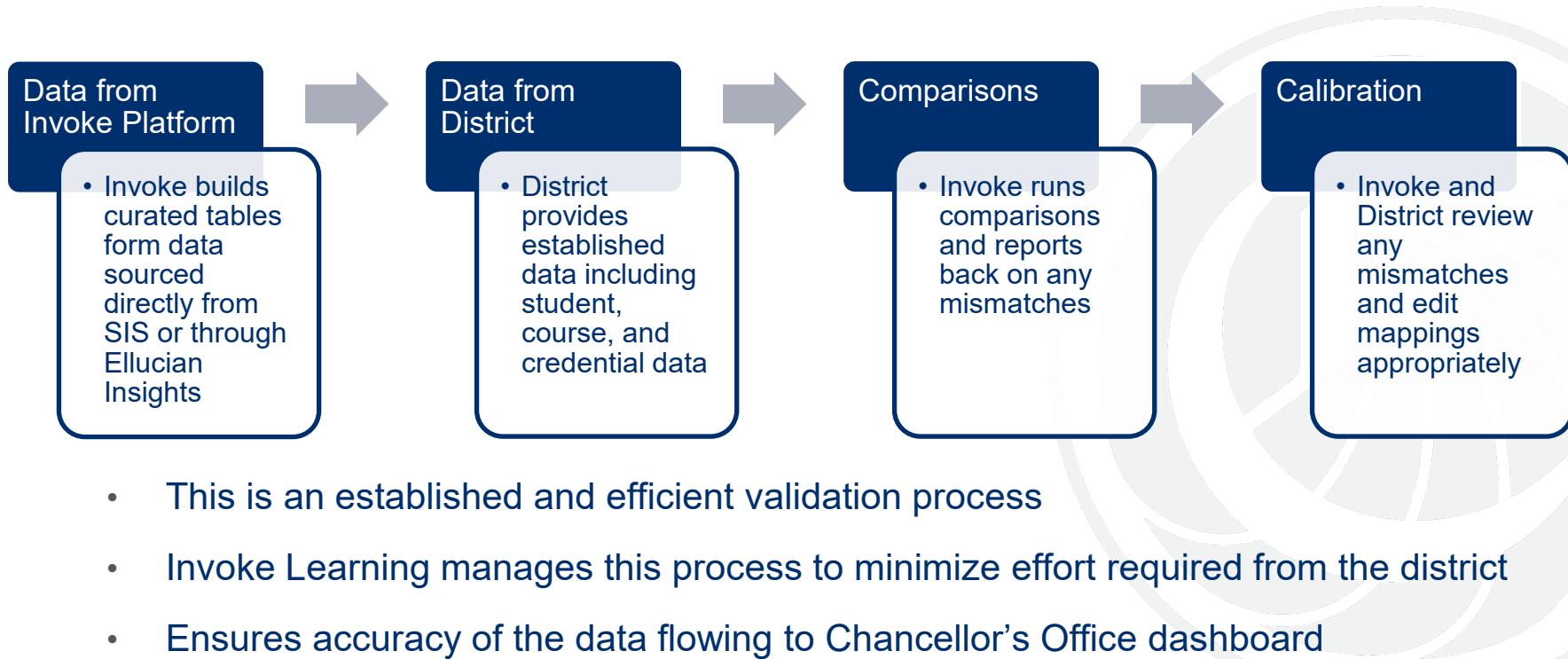
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# MIS Dashboard Examples



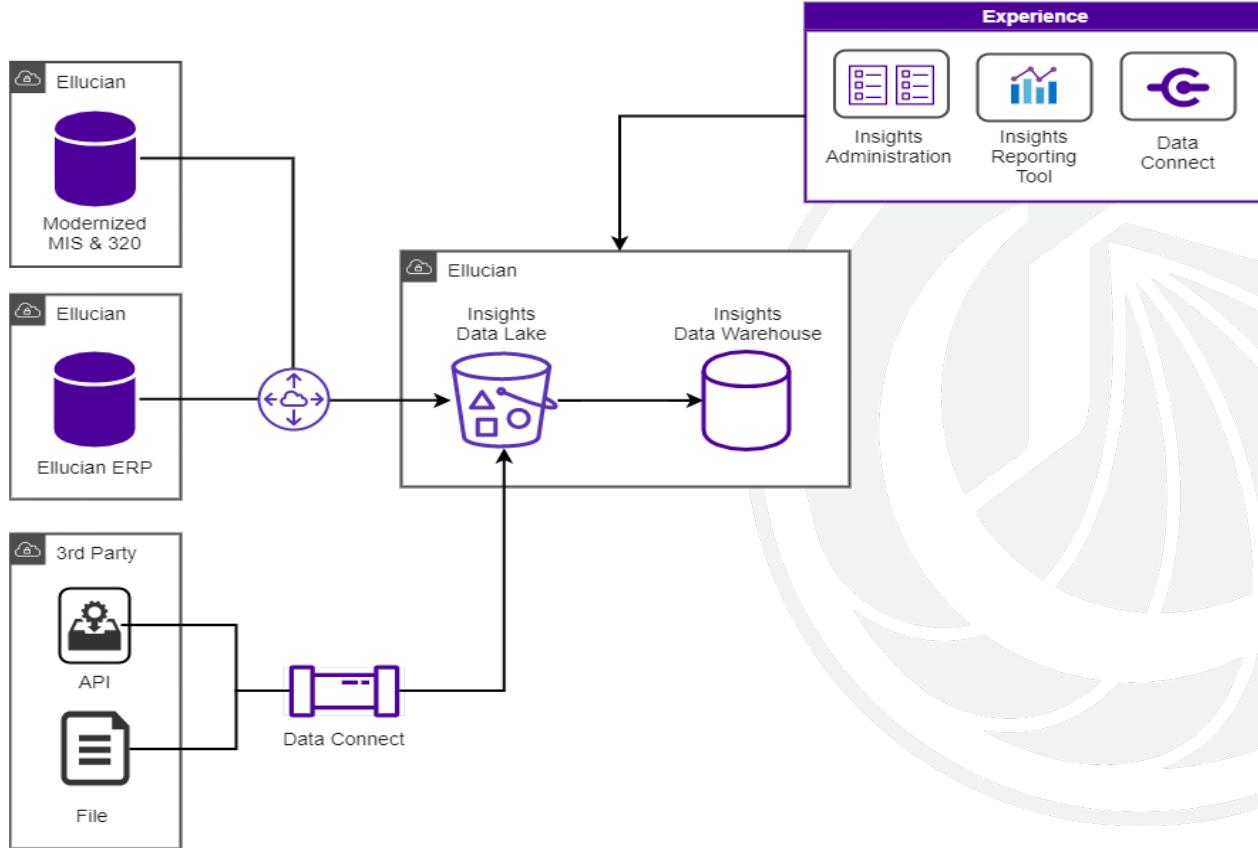
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# Invoke Data Validation Process



# Third-Party Data

- Program Mapper
- Degree Works dashboards in Insights



# Wireframes for Additional MIS Topics – Credit for Prior Learning

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ENROLLMENT SUMMARY    TRENDS    BENCHMARKS    MIS TOPICS

Last updated 1/26/2025

Region Type ▾ Region Name ▾ District ▾ School ▾ Reset

Fall Terms ▾ Daily MIS

Metric: Credits ▾ Category ▾ Group ▾

### Credit for Prior Learning

CPL by Assessment Type - Fall

Year 2024

Assessment Type	Credits
Other SE	~100,000
High School	~450,000
DLPT	~350,000
Other	~2,500,000
Military	~2,200,000
Industry Cert	~150,000
Clep	~750,000
Intl Bacc	~500,000

CPL Fall Trends

Year	Intl Bacc	CLEP	Industry Cert	Military	Other	Other SE	High School	Intl Bacc
2020	~3000	~3000	~1500	~1500	~1000	~1000	~1000	~1000
2021	~3300	~3800	~1600	~1600	~1100	~1100	~1100	~1100
2022	~3500	~4000	~1700	~1700	~1200	~1200	~1200	~1200
2023	~4000	~4500	~1800	~1800	~1300	~1300	~1300	~1300
2024	~4500	~4800	~2000	~2000	~1400	~1400	~1400	~1400

Top Subjects for Assessment Types

Rank	Subject	Credits	YoY% Chg
1	Math	1,562	↑ 5%
2	English	1,562	↑ 4%
3	Communications	1,562	↑ 4%
4	Marketing	1,562	↑ 3%
5	Software Engineering	1,562	↑ 3%

Name	2020	2021	YoY% Chg	2022	YoY% Chg	2023	YoY% Chg	2024	YoY% Chg
Intl Bacc	25,765	25,765	↑ 5%	25,765	↑ 5%	25,765	↑ 5%	25,765	↑ 5%
CLEP	19,656	19,656	↑ 4%	19,656	↑ 4%	19,656	↑ 4%	19,656	↑ 4%
Industry Cert	15,004	15,004	↑ 4%	15,004	↑ 4%	15,004	↑ 4%	15,004	↑ 4%
Military	13,431	13,431	↑ 3%	13,431	↑ 3%	13,431	↑ 3%	13,431	↑ 3%
Other	12,467	12,467	↑ 3%	12,467	↑ 3%	12,467	↑ 3%	12,467	↑ 3%
Other SE	11,765	11,765	↑ 3%	11,765	↑ 3%	11,765	↑ 3%	11,765	↑ 3%
High School	11,765	11,765	↑ 3%	11,765	↑ 3%	11,765	↑ 3%	11,765	↑ 3%
DLPT	11,765	11,765	↑ 3%	11,765	↑ 3%	11,765	↑ 3%	11,765	↑ 3%

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# Wireframes for Additional MIS Topics – Financial Aid

California Community Colleges

ENROLLMENT SUMMARY    TRENDS    BENCHMARKS    MIS TOPICS

Last updated 1/26/2025

Region Type ▾ Region Name ▾ District ▾ School ▾ Reset

Fall Terms ▾ Daily MIS

Metric ▾ Financial Aid Type ▾ Financial Aid Subgroup ▾ Age ▾ Gender ▾ Ethnicity ▾ Path ▾ Special Populations ▾

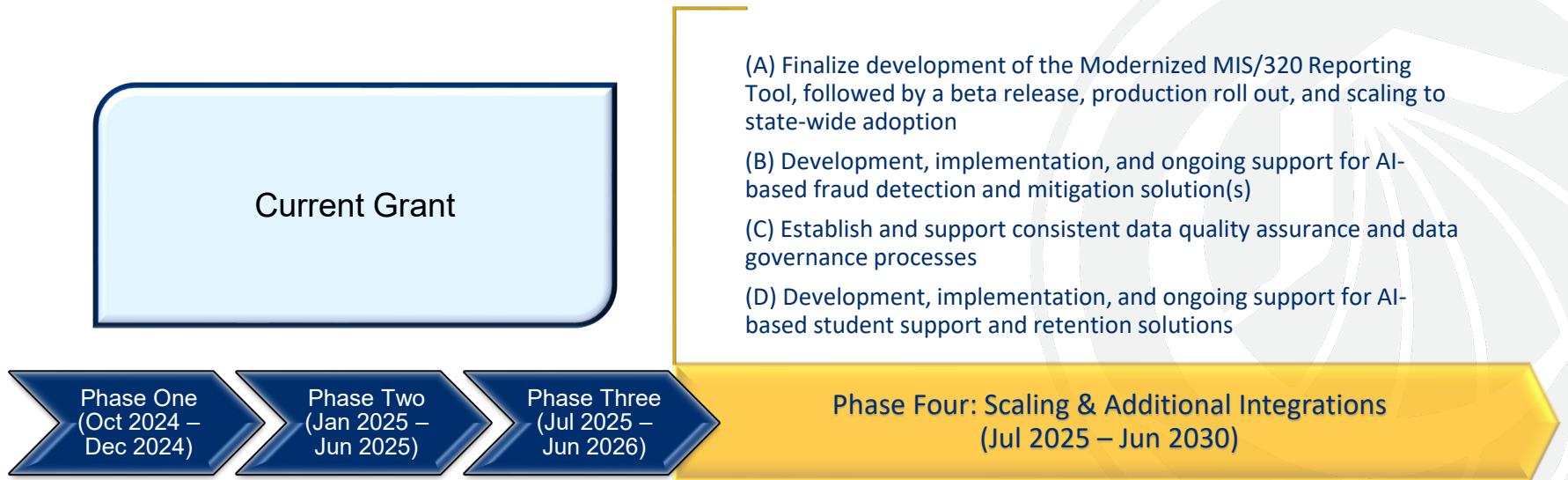
### Financial Aid

Financial Aid Type: 2020 2021 2022 2023 2024 2025

Financial Aid Type	2020	2021	YoY% Chg	2022	YoY% Chg	2023	YoY% Chg	2024	YoY% Chg
Total Amount	\$90,454,454	\$90,454,454	↑ 5%	\$90,454,454	↑ 5%	\$90,454,454	↑ 5%	\$90,454,454	↑ 5%
Grants	\$25,765	25,765	↑ 4%	\$25,765	↑ 4%	\$25,765	↑ 4%	\$25,765	↑ 4%
Scholarships	\$19,656	19,656	↑ 4%	\$19,656	↓ 3%	\$19,656	↑ 4%	\$19,656	↑ 4%
Fee Waiver	\$15,004	15,004	↑ 3%	\$15,004	↓ 4%	\$15,004	↑ 3%	\$15,004	↑ 3%
Work Study	\$13,431	13,431	↑ 3%	\$13,431	↑ 3%	\$13,431	↑ 3%	\$13,431	↓ 3%
CA College Promise Grant	\$12,467	12,467	↑ 3%	\$12,467	↑ 3%	\$12,467	↑ 3%	\$12,467	↓ 4%
Loans	\$11,765	11,765	↑ 3%	\$11,765	↑ 3%	\$11,765	↑ 3%	\$11,765	↑ 3%

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# Systemwide Scaling: Project Timeline Summary



# Additional Information and Frequently Asked Questions

## Project Website & FAQs

<https://www.cccco.edu/About-Us/Vision-2030/vision-2030-demonstration-projects/common-cloud-data-platform>

For additional information or to get involved,  
please contact the project team at [ccdp@cccd.edu](mailto:ccdp@cccd.edu)



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Thank you!

[www.cccco.edu](http://www.cccco.edu)