

2021 CCC Data Warehouse Survey Preliminary Summary of Results

Demographic Data

103 Respondents

What is your Current Role?

- 81% Institutional research, planning and/or effectiveness (83)
- 16% Information Technology (16)
- 5% Other (4)

Do you represent a college or district?

- 58% College (60)
- 52% District (43)

Local Data Warehouse

Does your college or district have a local data warehouse?

72% Yes (59)
20% No (16)
9% I don't know (7)

If yes, how do you use the local data warehouse to understand student and institutional performance? ¹

- Our DW is based on MIS referential files which are used for the fact book, program review, program evaluation, and most studies conducted by my office
- We use our internal DW for enrollment, outcomes, persistence, awards, equity research, extensive AB 705 research, enrolment management...and this data is the infrastructure for our Power BI Library
- Used for enrollment, outcomes, longitudinal tracking, etc
- Used for research requests, dashboard development and other analysis. Setup includes both snapshot and cohort-based data elements and student tracking
- Used to report data to state, NSC and other 3rd parties. The DW is the data source for canned reports to our colleges, then they use data for their needs.
- For program review, dashboards, balanced scorecards, ad hoc research & reports

1. This represents a subset of responses to this question.

CCC Data Warehouse

To the best of your knowledge, is anyone at your college/district using the CCC Data Warehouse?

51% Yes (42)

49% No (40)

Note: A “No” response branches respondents to the of the survey.

On average, how frequently is someone at your college/district using the CCC Data Warehouse?

15% Weekly

10% Monthly

2% Bi-monthly

17% Quarterly

24% Less than quarterly

32% I don't know

Data Sets in the CCC Data Warehouse

Have you accessed...

CCCApply application data

64% Yes (25)

36% No (14)

CCCApply intl application data

30% Yes (10)

70% No (23)

CCCApply Promise Grant data

15% Yes (5)

85% No (29)

LGBTQ data

57% Yes (20)

43% No (15)

Multiple Measures data

23% Yes (7)

77% No (24)

Made available 8/2020

C-ID data

17% Yes (6)

83% No (30)

Made available 7/2021

COCI data...

31% Yes (11)

69% No (24)

Canvas data

10% Yes (3)

90% No (28)

Note: As of Dec 9, 109 Colleges have access to DWRS, 31 to DW Direct Connection, 7 to Canvas data in the DW

Future use of the CCC Data Warehouse

To what extent would you or your team use the Data Warehouse as a primary or secondary source of data, once you understand how to use it?

- 25% I'm sure we would use it, it would simplify our work (7)
- 61% It's likely we would use it, but I'm not sure (17)
- 11% It's not likely to be helpful (3)
- 4% I don't feel comfortable saying at this time (1)

Note, this was asked of respondents who replied 'yes' to "...is anyone at your college/district using the CCC Data Warehouse?"

Please share with us how you or your team would ideally like to use the Data Warehouse eventually? ¹

- Getting access to data we don't currently have
- Moving most (or all) of the Data on Demand sources to the data warehouse would be helpful, and would make matching and analysis to local data much simpler when it comes to validation, etc...
- SCFF and to compare our local data to see how close it is to what we're getting
- We would use to extract data, report outcomes, and to validate analysis using local data sources

1. This represents a subset of responses to this question.

Connecting with the CCC DW

Have you used the DW Report Server (Jaspersoft)?

44% Yes (12)

56% No (15)

Have you connected to the DW using a Direct Connection?

33% Yes (9)

67% No (18)

How have you used the DW Report Server (select all the apply)?

75% To save reports (9)

17% To develop internal dashboards (2)

0% To develop external dashboards (0)

17% Other (2)

What if any tool(s) have you used to support use of the DW with a Direct Connection?

33% Tableau (3)

11% Power BI (1)

44% SQL Workbench (4)

33% Other (3)

CCC DW Support Site

The DW has a website with public documentation. Have you or your team ever accessed this website?

54% Yes (14)

46% No (12)

How have you or your team used the information on the website?

67% Yes, for general info on the DW

58% Yes, for links to the data dictionaries

33% Yes, for DW Report Server and Direct Connection user guides

42% Yes, for tutorials on using the DW Report Server

0% No, we have not used information on this website.

11% Other

CCC DW Support

Have you or someone from your team ever received help to use the DW (select all that apply)?

- 76% Yes, from someone at the CCC Tech Center (including help desk)
- 4% Yes, from a colleague at your or another college
- 12% Yes, from the RP Group
- 0% Yes, from other organizations or research partners
- 12% No, we have not received help to use the DW
- 4% Other

Tell us what they helped you with (select all that apply).

- 82% Connecting to the DW
- 9% Using the DW support website
- 5% Joining datasets
- 14% Using datasets
- 18% Other

Plans for Using the DW

To what extent would you or your team use the Data Warehouse as a primary or secondary source of data, once you understand how to use it?

- 32% I'm sure we would use it, it would simplify our work (12)
- 50% It's likely we would use it, but I'm not sure (19)
- 8% It's not likely to be helpful (3)
- 11% I don't feel comfortable saying at this time (4)

Note, this was asked of respondents who replied 'no' to "...is anyone at your college/district using the CCC Data Warehouse?"

If you were able to use the DW, what would be your college or districts priorities?

- 68% Examining enrollment trends (26)
- 53% Predicting student outcomes (20)
- 71% Understanding disproportionately impacted student groups (17)
- 32% Other (12)



Priority of Current Datasets

As the Chancellor's Office works to develop standard reports for colleges/districts to pull from the DW it will be helpful to know which data sets you would likely prioritize. Please rank the DW data sets in order for which you would use them.

#	Dataset	Score (38 responses)
1	CCCApply Standard & Non-Credit Application	5.95
2	LGBTQ Data	5.03
3	California College Promise Grant Application	4.84
4	Multiple Measures Placement Service	4.82
5	Chancellor's Office Curriculum Inventory (COCI)	4.29
6	Canvas	4.16
7	Course ID Numbering System (C-ID)	3.63
8	CCCApply International Application	3.29



Additional Feedback

What other information would you like to share with the Chancellor's Office and CCC Technology Center related to the DW accessibility and use to maximize equitable student outcomes? ¹

- I really want MIS data accessible in CO data warehouse. I want to see the unitary data behind all of the statewide dashboards like student success metrics be made available in it as well.
- We would only use the CCC Data Warehouse for data we don't already have, such as LGBTQ, Canvas, and COCI. We have less interest in pre-built reports as we do with the actual raw data.
- This will be most useful once Student Success Metrics are incorporated into the data warehouse. There is a lot of program review and continuous improvement that we could do using these metrics if we were able to link to our local data
- All data needs to be student level data. We need student IDs or SSN to be able to combine with our internal data. Aggregated data that is not student level is not useful to us.
- Access to DW is important and we will use it. However, access is very content specific and happens often at the district and not the college. We are looking forward to getting access the Canvas data.
- Preference is for a direct connection from CCCCCO data warehouse to the local data warehouse.
- Need training on how to use it.

1. This represents a subset of responses to this question.

Initial Takeaways..

1. The high number of local data warehouses suggests designing more advanced levels of integrations between the CCC DW and college and district data warehouses.
2. Work with Chancellor's Office to support access to data sets identified by college and districts.
3. Work with Chancellor's Office to develop communications and training support for the CCC DW