

The logo for Cal Answers, featuring the text "Cal Answers" in a bold, yellow, sans-serif font. The text is set against a dark blue background that includes a faint, stylized image of a classical building facade with columns and arches. A small white light flare is positioned to the right of the text.

Cal Answers

***Cal Answers
Dashboard Reports***

***Student All Access –
Cohort Analysis
(Graduation/Retention)***

Office of Planning & Analysis
Associate Vice Chancellor – Chief Financial Officer
University of California, Berkeley

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To report any problems with the Cal Answers Portal, Reports, or Dashboards:

- Send an e-mail to calanswers-help@berkeley.edu

Or

- Call the Help Desk at 642-8500, Monday – Friday, 8:00am – 5:00pm

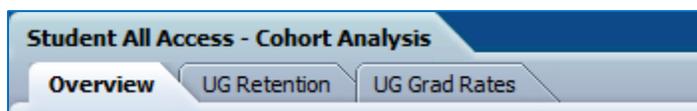
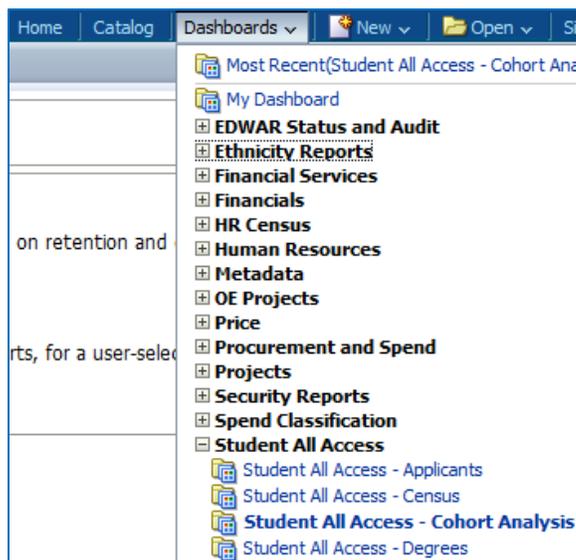
Overview

Accessing Dashboard Reports

The Cal Answers reporting environment, using Oracle Business Intelligence Enterprise Edition (OBIEE) software, provides two different interfaces to the UC Berkeley Enterprise Data Warehouse (EDW). One of these interfaces, called “Analysis,” is an ad hoc query tool. The other interface, which is discussed in this document, is called “Dashboards,” and provides interactive reports to campus users.

This document specifically covers the **Student All Access – Cohort Analysis** dashboard pages dealing with cohort analyses, a set of standard reports that are available to all Cal Answers users. You can access these reports from the “Dashboards” dropdown list that appears at the top right of any OBIEE screen, as shown in the screenshot to the right. Simply drop down the list, and expand the node named “Student All Access” to see the dashboards available within that grouping. In this case, you’ll choose the blue “Student All Access – Cohort Analysis” link.

When you click the “Student All Access – Cohort Analysis” link, you will then see all of the available reports, each on a separate tab, that currently exist within this dashboard. For example:



You then simply click on a tab in order to see a given dashboard page and the report that it contains. The first tab, “Overview,” contains brief descriptions of each report.

Understanding Undergraduate Cohort Graduation/Retention Data

For certain kinds of analyses, typically involving undergraduate retention and graduation rates, it’s necessary to look at cohorts of entering students. By convention, these cohorts consist of undergraduates entering in a fall semester, as either new freshmen directly from high school or as advanced standing (transfer) students.

We calculate graduation numbers as either year or half-year values. For example, a student entering in Fall 2002 becomes part of that entry cohort. We consider the fall semester to be the first 0.5 year, with the spring and immediately following summer terms as the second 0.5 year. So, if this student received a degree at the end of the Fall 2005 semester, the years-to-graduation number would be 3.5 years. If we awarded the degree in Spring or Summer 2006, the years-to-graduation number would be 4 years.

We usually calculate retention only by full years, so these numbers refer to a fall-to-next-fall retention (e.g., the student above enters in Fall 2002 and later registers in Fall 2003).

The rest of this document covers each of the undergraduate cohort dashboard reports in more detail.

UG Retention Dashboard Page

The “UG Retention” dashboard tab defaults to showing a table of one-year retention rates for new freshmen, for the most recent 12 Fall entry cohorts:

Undergraduate Cohort Retention
 By Entering Term, Entry Type, Gender, and Ethnicity

Year & Term

Entry Type

Gender

Residency

4-Value Ethnicity

9-Value Ethnicity

16-Value Ethnicity

Undergraduate Cohort Retention Data

Select Data View:

	Undergraduate Entry Cohorts:											
	2000 Fall	2001 Fall	2002 Fall	2003 Fall	2004 Fall	2005 Fall	2006 Fall	2007 Fall	2008 Fall	2009 Fall	2010 Fall	2011 Fall
One-Year Retention												
Retained for/Graduated in 1 Calendar Year	95.7%	95.8%	96.3%	96.5%	96.8%	96.2%	97.1%	96.7%	96.6%	97.3%	96.8%	
Not Retained for 1st Year/No Data Yet	4.3%	4.2%	3.7%	3.5%	3.2%	3.8%	2.9%	3.3%	3.4%	2.7%	3.2%	100.0%
Grand Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

The filters used to display these values are:
 Semester Year Name Concat is equal to **2011 Fall, 2010 Fall, 2009 Fall, 2008 Fall, 2007 Fall, 2006 Fall, 2005 Fall, 2004 Fall, 2003 Fall, 2002 Fall, 2001 Fall, 2000 Fall**
 and CASE Applicant Type Cd WHEN '4' THEN 'New Freshmen' WHEN '6' THEN 'Transfers' ELSE 'Other' END is equal to **New Freshmen**

[Export](#)

Understanding the Data

For each of the last 12 entering undergraduate cohorts (you can choose either new freshmen or transfer students, as well as Fall or Spring entrants), this table by default shows the percentage of students who were or were not retained for one calendar year. (See the “Understanding Undergraduate Cohort Graduation/Retention Data” section above for more information about this data.)

We consider a student to be retained for one (for example) year if they graduate prior to the end of that year, or if they register in the term that’s one calendar year following entry. So, a student who entered in Fall 2004 and then graduated in Spring 2005 would meet the requirements for one-year retention. The same would hold true for a student who entered in Fall 2004 and also registered in Fall 2005.

Note that we calculate retention on a 12-month basis. So, it’s possible for a student not to be retained for the first year, but to be retained for the second (e.g., the student entered in Fall 2004, did not register in Fall 2005, but did register in Fall 2006).

Using the Report

Undergraduate Cohort Retention
By Entering Term, Entry Type, Gender, and Ethnicity

Year & Term: 2011 Fall;2010 Fa
Entry Type: New Freshmen
Gender: (All Column Value)
Residency: (All Column Value)

4-Value Ethnicity: **9-Value Ethnicity:** **16-Value Ethnicity:**

Apply Reset

Undergraduate Cohort Retention Data

Select Data View: 1 Year Headcount % Table

	Undergraduate Entry Cohorts:											
	2000 Fall	2001 Fall	2002 Fall	2003 Fall	2004 Fall	2005 Fall	2006 Fall	2007 Fall	2008 Fall	2009 Fall	2010 Fall	2011 Fall
One-Year Retention												
Retained for/Graduated in 1 Calendar Year	95.7%	95.8%	96.3%	96.5%	96.8%	96.2%	97.1%	96.7%	96.6%	97.3%	96.8%	
Not Retained for 1st Year/No Data Yet	4.3%	4.2%	3.7%	3.5%	3.2%	3.8%	2.9%	3.3%	3.4%	2.7%	3.2%	100.0%
Grand Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

The filters used to display these values are:
Semester Year Name Concat is equal to 2011 Fall, 2010 Fall, 2009 Fall, 2008 Fall, 2007 Fall, 2006 Fall, 2005 Fall, 2004 Fall, 2003 Fall, 2002 Fall, 2001 Fall, 2000 Fall
and CASE Applicant Type Cd WHEN '4' THEN 'New Freshmen' WHEN '6' THEN 'Transfers' ELSE 'Other' END is equal to New Freshmen

Export

By default, this report will show new freshmen one-year retention percentages for the most recent 12 Fall entry cohorts. As always, however, you can customize the data that you see.

Filters

At the top of each dashboard page, just below the title, you'll see one or more filters that you can apply to the data. In this case, you can choose:

- Multiple entry cohorts, going back to Fall 1983. In order to select a different set of terms than the default, simply click on the down-arrow button, and then choose the values you want from the list. (If you need more flexibility, choose the "Search..." option that appears at the bottom of the list.) Once you've made your selections, click "Apply" to set your new filters.
- A cohort entry type (new freshmen or transfers/advanced standing).
- Gender.
- California residency. (If you want to limit data to domestic nonresident students, choose "Nonresident" for the Residency filter, and all values except for "International" in the 4-Value Ethnicity filter.)
- Ethnicity, at the 4-value, 9-value, and 16-value levels.

After making selections, remember to click the "Apply" button to apply your new filter values. The "Reset" button will reset the filters to their last applied values.

Data Views

The "Select Data View" dropdown lets you choose how you want to see the data. In this case, you have 12 options:

- 1 Year Headcount % Table – This table shows headcounts as percentages within each entry cohort.
- 2 – 6 Year Headcount % Table – These views show two through six year retention percentages.
- 1 Year Headcount Table – This table shows headcounts as values within each entry cohort.
- 2 – 6 Year Headcount Table – These views show two through six year retention values.

Sorting and Drag/Drop

The small up and down arrowheads that appear in some cells allow you to sort table rows or columns by the values in those cells. When you move your mouse just above a column, you'll see a drag/drop bar  that you can then use to change the order of columns. For instance, you could swap row and column values in this table.

Export Link

Finally, just below the table is an "Export" link that lets you download data in a variety of formats.

UG Grad Rates Dashboard Page

The "UG Grad Rates" dashboard tab defaults to showing a table and graph of the new freshmen years-to-graduation percentages for the most recent 12 Fall entry cohorts:

Undergraduate Cohort Graduation Counts
By Entering Term, Entry Type, Gender, and Ethnicity

Year & Term
2011 Fall:2010 Fa

Entry Type
New Freshmen

Gender
(All Column Value)

Residency
(All Column Value)

4-Value Ethnicity

9-Value Ethnicity

16-Value Ethnicity

[Apply](#) [Reset](#)

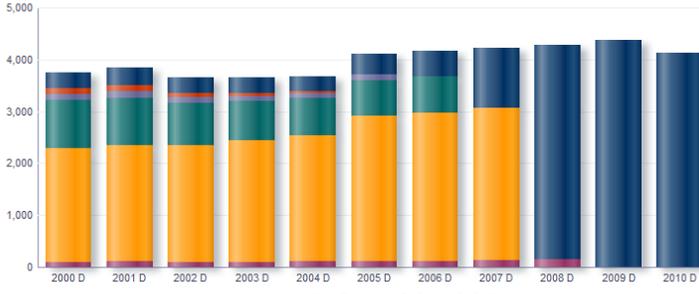
Undergraduate Cohort Graduation Data

Select Data View: Headcount % Table

Undergraduate Entry Cohorts:												
	2000 Fall	2001 Fall	2002 Fall	2003 Fall	2004 Fall	2005 Fall	2006 Fall	2007 Fall	2008 Fall	2009 Fall	2010 Fall	2011 Fall
Pct Undergrads Graduating In:												
2 Yrs or Less	0.1%	0.1%	0.1%	0.0%	0.1%	0.2%	0.2%	0.2%	0.2%	0.3%	0.1%	
2.5 or 3 Yrs	2.7%	2.9%	2.5%	2.5%	2.9%	2.9%	2.7%	3.1%	3.2%			
3.5 or 4 Yrs	58.4%	58.0%	61.2%	63.8%	65.8%	68.0%	68.1%	68.9%				
4.5 or 5 Yrs	24.5%	23.6%	22.6%	21.2%	19.8%	16.7%	17.1%					
5.5 or 6 Yrs	3.2%	3.6%	3.3%	2.7%	2.4%	2.7%						
More Than 6 Yrs	2.9%	3.2%	2.1%	1.5%	1.0%							
Not Graduated	8.2%	8.7%	8.3%	8.4%	7.9%	9.5%	11.9%	27.8%	96.5%	99.9%	100.0%	100.0%
Grand Total	100.0%											

(Note: If you select one of the running sum data views for this table, the "Not Graduated" values will always equal the Grand Total row, since it's the last row in the table. If you want to see the actual percentage of "Not Graduated" students, then select one of the regular headcount data views, rather than a running sum.)

Undergraduate Graduation Counts by Entry Cohort



Year/Semester (B=Spring; D=Fall)

The filters used to display these values are:
Semester Year Name Concat is equal to 2011 Fall, 2010 Fall, 2009 Fall, 2008 Fall, 2007 Fall, 2006 Fall, 2005 Fall, 2004 Fall, 2003 Fall, 2002 Fall, 2001 Fall, 2000 Fall and CASE Applicant Type Cd WHEN '4' THEN 'New Freshmen' WHEN '6' THEN 'Transfers' ELSE 'Other' END is equal to New Freshmen

[Export](#)

Understanding the Data

For each of the last 12 entering undergraduate cohorts (you can choose either new freshmen or advanced standing students, as well as Fall or Spring entrants), this table shows the percentage of students from each cohort who graduated in 2 years or fewer, 2.5 or 3 years, 3.5 or 4 years, 4.5 or 5 years, 5.5 or 6 years, more than 6 years, or who have not yet graduated. (See the "Understanding Undergraduate Cohort Graduation/Retention Data" section above for more information about this data.)

Note that these values are *not* cumulative. A student gets counted only one time, so that the sum of each column equals the “Grand Total” value. As explained below, however, you can choose to see this data as a running sum if you wish. And in addition to percentages, you can also see the data as absolute values.

Using the Report

Sorting & Drag/Drop

Filters

Data Views

Export Link

Undergraduate Entry Cohorts:												
	2000 Fall	2001 Fall	2002 Fall	2003 Fall	2004 Fall	2005 Fall	2006 Fall	2007 Fall	2008 Fall	2009 Fall	2010 Fall	2011 Fall
Pct Undergrads Graduating In:												
2 Yrs or Less	0.1%	0.1%	0.1%	0.0%	0.1%	0.2%	0.2%	0.2%	0.3%	0.1%		
2.5 or 3 Yrs	2.7%	2.9%	2.5%	2.5%	2.9%	2.9%	2.7%	3.1%	3.2%			
3.5 or 4 Yrs	58.4%	58.0%	61.2%	63.8%	65.8%	68.0%	68.1%	68.9%				
4.5 or 5 Yrs	24.5%	23.6%	22.6%	21.2%	19.8%	16.7%	17.1%					
5.5 or 6 Yrs	3.2%	3.6%	3.3%	2.7%	2.4%	2.7%						
More Than 6 Yrs	2.9%	3.2%	2.1%	1.5%								
Not Graduated	8.2%	8.7%	8.3%	8.4%	7.9%	9.5%	11.9%	27.8%	96.5%	99.9%	100.0%	100.0%
Grand Total	100.0%											

(Note: If you select one of the running sum data views for this table, the "Not Graduated" values will always equal the Grand Total row, since it's the last row in the table. If you want to see the actual percentage of "Not Graduated" students, then select one of the regular headcount data views, rather than a running sum.)

Undergraduate Graduation Counts by Entry Cohort

Year/Semester (B=Spring; D=Fall)

The filters used to display these values are:
 Semester Year Name Concat is equal to 2011 Fall, 2010 Fall, 2009 Fall, 2008 Fall, 2007 Fall, 2006 Fall, 2005 Fall, 2004 Fall, 2003 Fall, 2002 Fall, 2001 Fall, 2000 Fall and CASE Applicant Type CD WHEN 4 THEN 'New Freshmen' WHEN 6 THEN 'Transfers' ELSE 'Other' END is equal to New Freshmen

By default, this report will show new freshmen years-to-graduation percentages for the most recent 12 Fall entry cohorts. As always, however, you can customize the data that you see.

Filters

At the top of each dashboard page, just below the title, you’ll see one or more filters that you can apply to the data. In this case, you can choose:

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- A cohort entry type (new freshmen or transfers/advanced standing).
- Gender.
- California residency. (If you want to limit data to domestic nonresident students, choose "Nonresident" for the Residency filter, and all values except for "International" in the 4-Value Ethnicity filter.)
- Ethnicity, at the 4-value, 9-value, and 16-value levels.

After making selections, remember to click the “Apply” button to apply your new filter values. The “Reset” button will reset the filters to their last applied values.

Data Views

The “Select Data View” dropdown lets you choose how you want to see the data. In this case, you have four options:

- Headcount % Table – This table shows headcounts as percentages within each entry cohort.
- Headcount Table – This shows a table of values compiled as headcounts.
- Running Sum Headcount % Table – This table shows headcounts as percentages within each entry cohort, as a running sum of all rows in the table.
- Running Sum Headcount Table – This shows a table of values compiled as headcounts, as a running sum of all rows in the table.

Sorting and Drag/Drop

The small up and down arrowheads that appear in some cells allow you to sort table rows or columns by the values in those cells. When you move your mouse just above a column, you’ll see a drag/drop bar  that you can then use to change the order of columns. For instance, you could swap row and column values in this table.

Export Link

Finally, just below the table is an “Export” link that lets you download data in a variety of formats.