

Hope College FACES Retention Data

	One Year Retention 2011-2016 Cohorts				Two Year Retention 2011-2015 Cohorts				Cumulative GPA 2010-2014 w/2 Year Retention	
	Retained	Total	Pred %	Actual %	Retained	Total	Pred %	Actual %		
FACES participants	157	162	89.3%	96.9%	125	140	79.7%	89.3%		
Not in FACES										
Entire Cohort	4511	5084	89.3%	88.7%	3525	4315	81.8%	81.7%	3.21	3.21
STEM interest	1953	2186	89.9%	89.3%	1580	1876	84.5%	84.2%	3.26	3.19
Underrepresented Minority	563	679	85.4%	82.9%	387	550	73.7%	70.4%	2.76	2.72
FACES Eligible	216	267	85.8%	80.9%	146	205	76.2%	71.2%	3.31	3.21

	Three Year Retention 2011-2014 Cohorts				Four Year Retention 2011-2013 Cohorts				Cumulative GPA 2010-2014 w/2 Year Retention	
	Retained	Total	Pred %	Actual %	Retained	Total	Pred %	Actual %	Pred GPA	Actual GPA
FACES participants	94	111	79.1%	84.7%	61	76	75.2%	80.2%	3.07	3.08
Not in FACES										
Entire Cohort	2777	3495	79.5%	79.5%	2073	2658	78.0%	78.0%	3.21	3.21
STEM interest	1238	1512	82.4%	81.9%	946	1168	81.1%	81.0%	3.26	3.19
Underrepresented Minority	293	440	71.3%	66.6%	182	292	64.0%	62.3%	2.76	2.72
FACES Eligible	109	166	72.8%	65.7%	67	110	65.7%	60.9%	3.31	3.21

The table above reports the performance of the most recent six years of cohorts in the FACES program. The results for FACES students are compared with non-participants who are (1) Hope entering first-year students, (2) first-year students indicating an interest in a STEM field, (3) first-year students from underrepresented minority groups, and (4) first-year students who both indicate STEM interest and are from underrepresented minority groups. This latter category is made up of students who were eligible for FACES but did not participate.

The five categories of data monitored are one, two, three, and four year retention and cumulative GPA for those students who completed at least one year of study. One, two, three, and four year retention is defined as either graduating or returning in the Fall Semester of the following year. In each category, a prediction of each student's performance was calculated based on the student's data at the time of application. These predictions are shown next to the actual performance of the students.

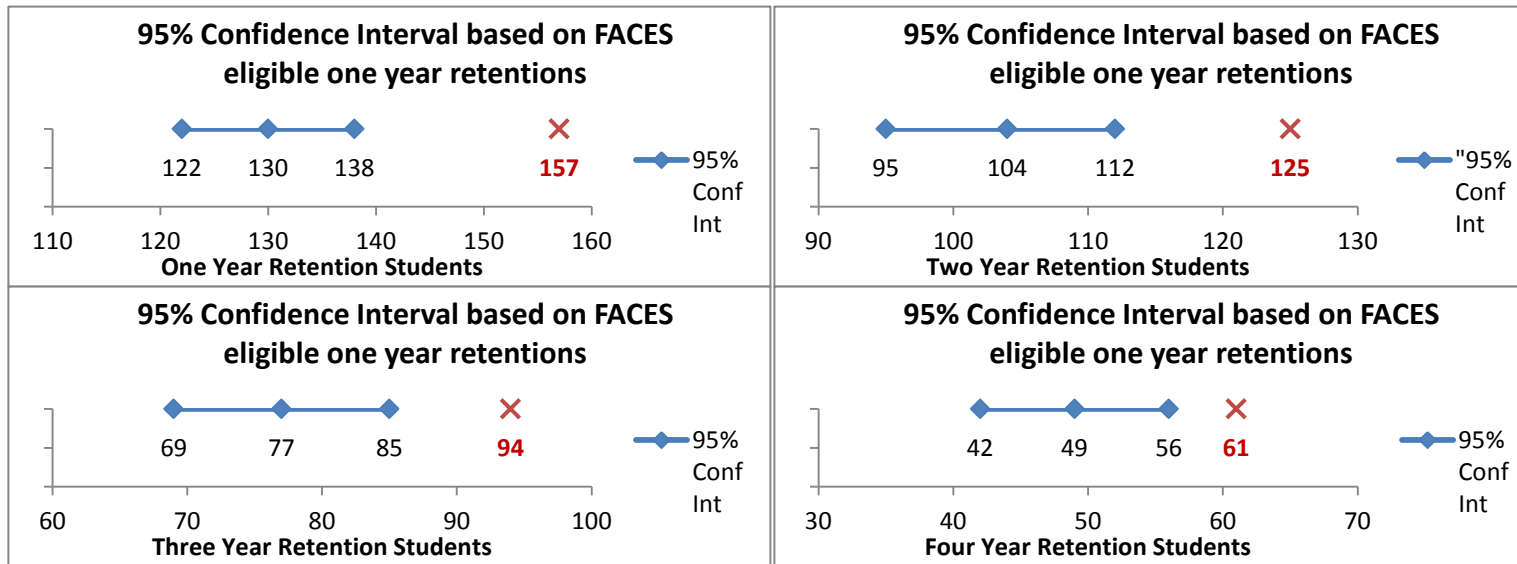
For all retention rates, the FACES participants out-perform every one of the non-participant groups except for four year retention of aspiring STEM majors. All retention rates for FACES participants also exceed that group's predicted retention rates while all other categories underperform on almost all of their retention rates. The mean cumulative GPA of FACES participants is a very slight 0.01 lower than that group's predicted GPA, but this deficit for actual GPA is smaller than the deficit of 0.10 for FACES eligible students.

Bullet points:

- FACES students have a one-year retention rate that is
 - significantly higher than would be predicted by their preparation prior to coming to Hope
 - significantly higher than all entering Hope students
 - significantly higher than entering Hope students from underrepresented minorities
 - significantly higher than entering Hope students intending to study in a STEM discipline
 - significantly higher than entering Hope students both from underrepresented minorities and intending to study in a STEM discipline. These students are those eligible for FACES but who did not participate.
- FACES students have a two-year retention rate that is
 - Significantly higher than would be predicted by their preparation prior to coming to Hope, the entire Hope college cohort, students intending to study in a STEM discipline, students from underrepresented minorities and students who are FACES eligible.
- FACES students have a three-year retention rate that is
 - higher than would be predicted by their preparation prior to coming to Hope
 - higher than that for all entering Hope students and students intending to study in a STEM discipline
 - significantly higher than entering Hope students from underrepresented minorities and FACES eligible students.
- FACES students have a four-year retention rate that is
 - higher than would be predicted by their preparation prior to coming to Hope
 - higher than entering Hope students overall and from all of the identified groups except for STEM-intending students.
- FACES students have a cumulative GPA after at least two years that is
 - higher than the cumulative GPA of entering Hope students from underrepresented minorities.

Confidence Intervals based on FACES Eligible Retention

Using the retention results for those students who were eligible for FACES but did not participate to calculate a 95% confidence interval if the FACES students were retained at the same rate as the FACES eligible students. The results of this analysis are shown in the charts below:



The following conclusions can be drawn from these charts, under the assumption that without participation in FACES, the FACES participants would have had the same retention success as the students who were eligible for FACES but did not participate.

- Of the 157 FACES students who successfully returned for their second year, we can be 95% certain that 21 would not have returned without FACES participation.
- Of the 125 FACES students who successfully returned for their third year, we can be 95% certain that 13 would not have returned without FACES participation.
- Of the 94 FACES students who successfully returned for their fourth year, we can be 95% certain that 9 would not have returned without FACES participation.
- Of the 61 FACES students who successfully returned for their fourth year, we can be 95% certain that 5 would not have returned without FACES participation.