

# Assessment of Students on Probation and Waiver

Study Conducted: AY 2021/2

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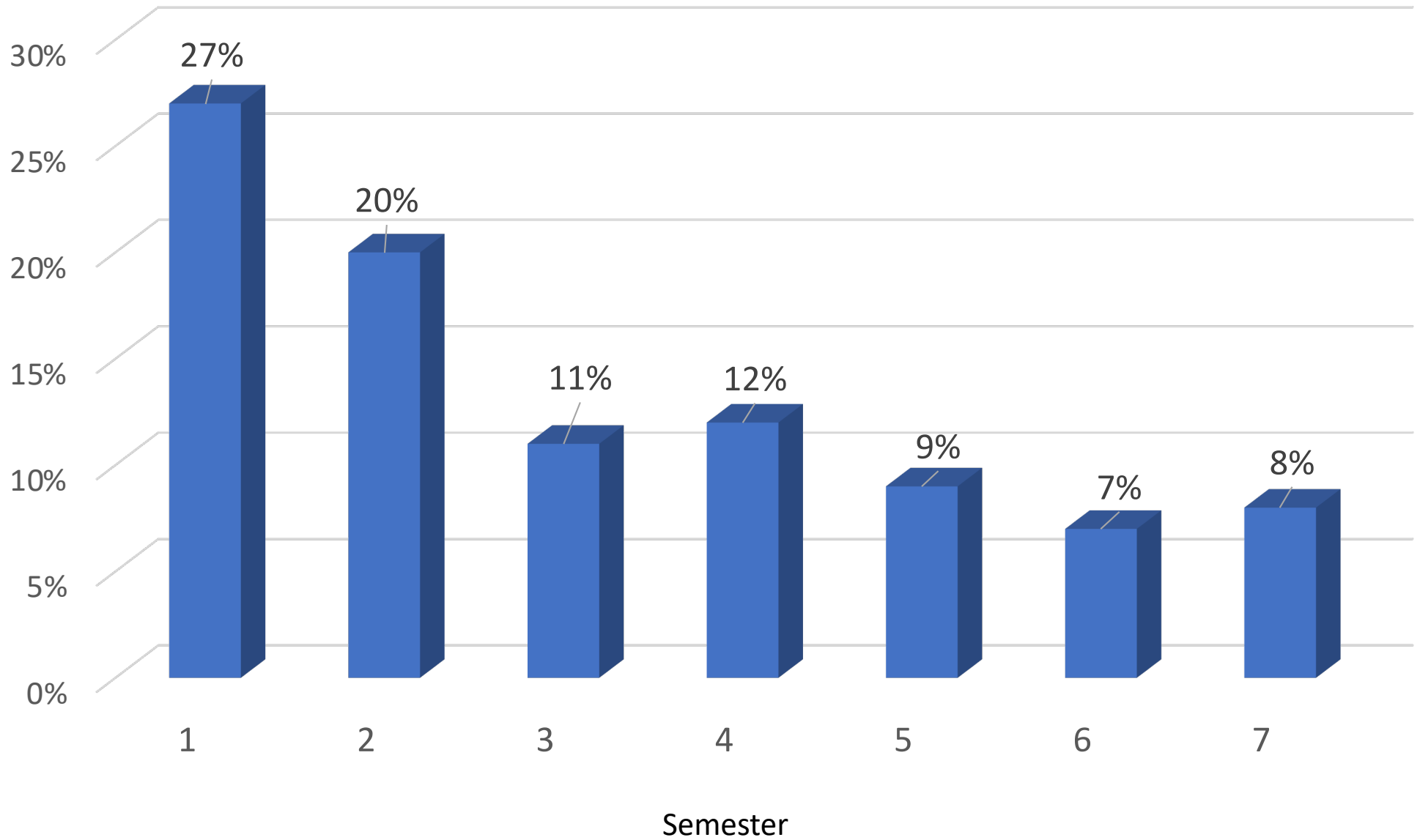
Analysis: Kelly Sheppard

# Two Questions

1. Who are the students who have a term GPA  $< 2.0$ , earn probation [= term or cum GPA  $< 2.0$ ], and receive a waiver of minimum standards for continuation?
2. What happens to the students who earn probation and/or receive a waiver of minimum standards of continuation?

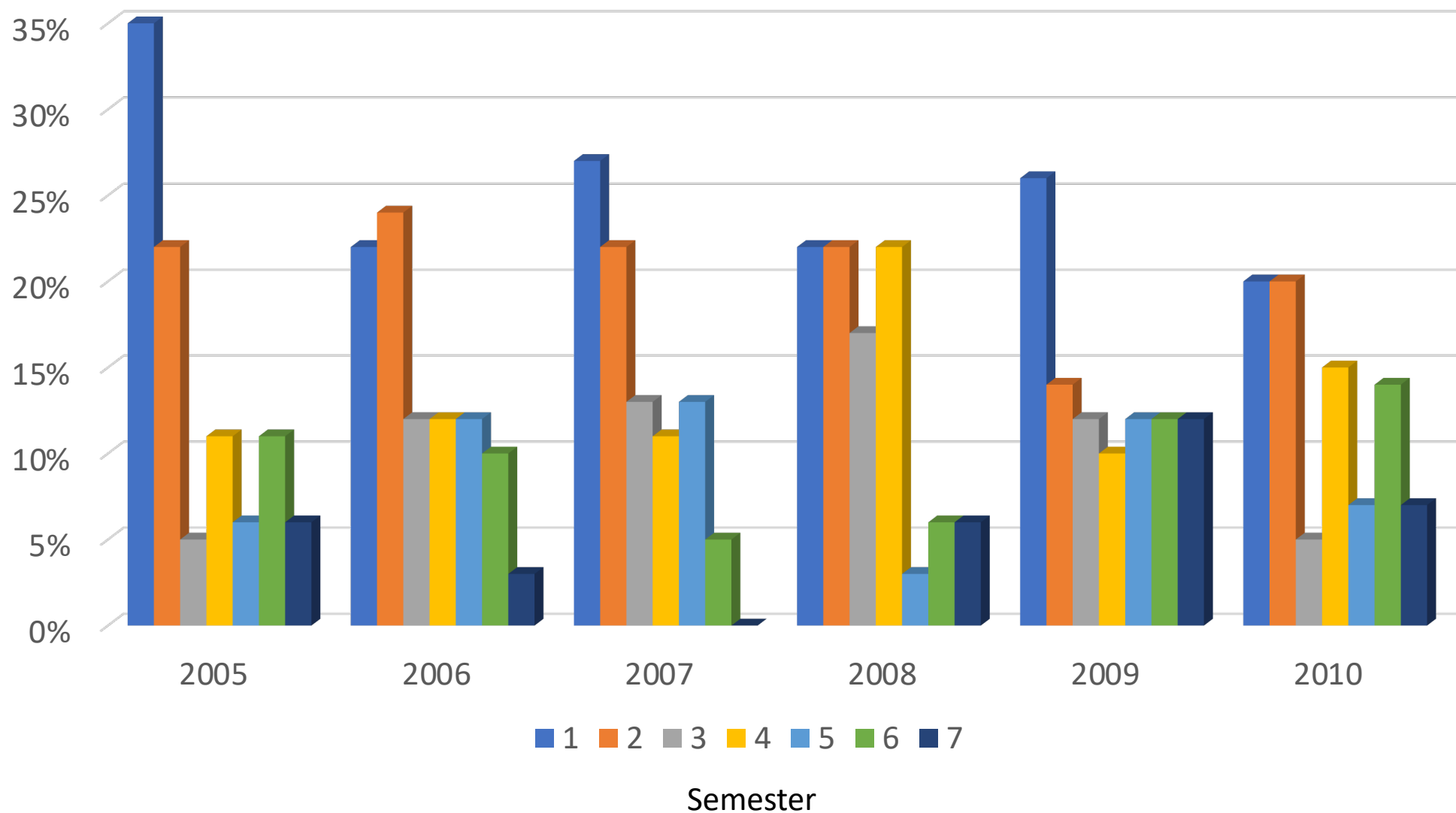
# First Semester When Term GPA < 2.0

## Classes that Matriculated Fall 2005-2017 (total)



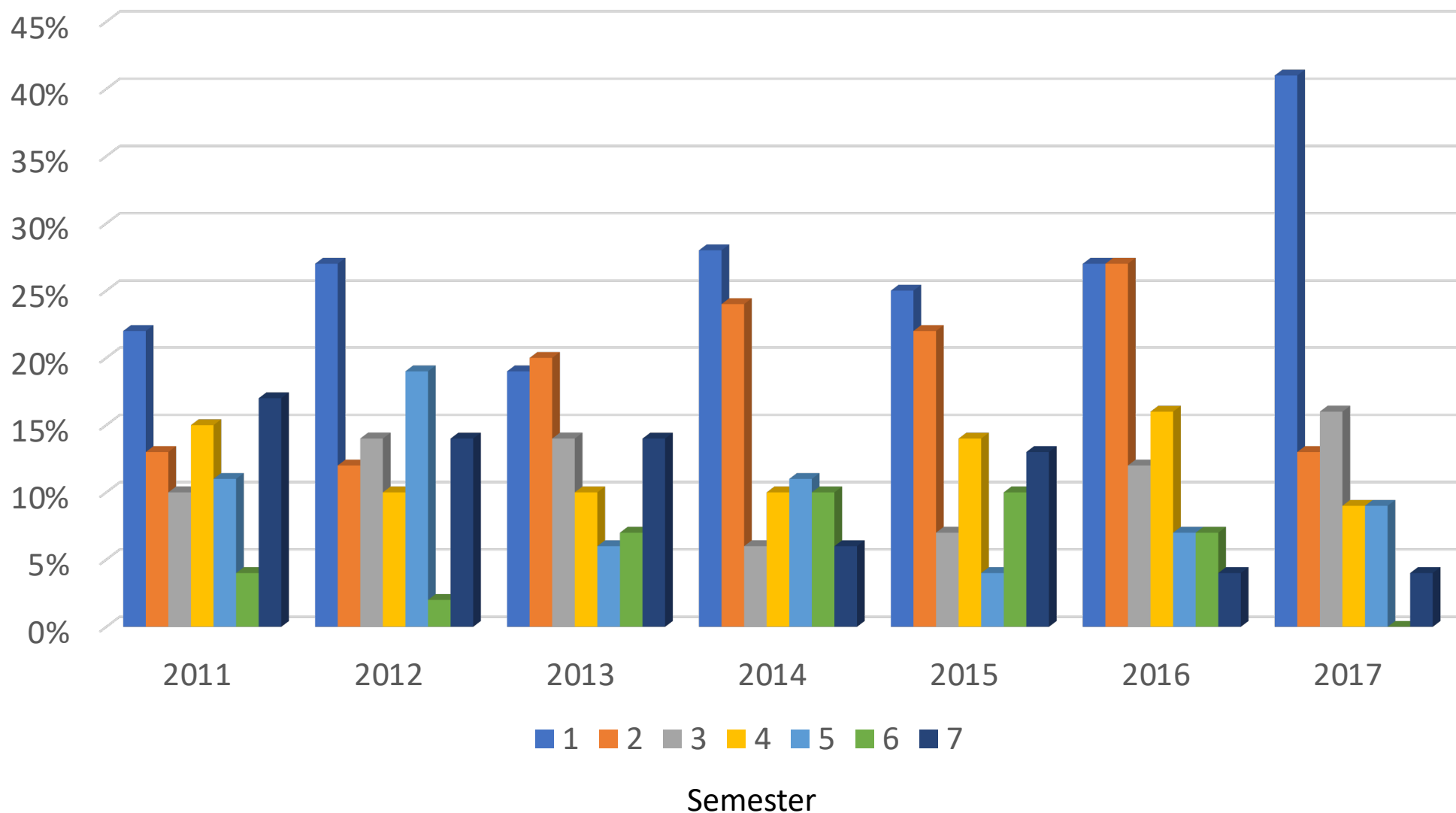
# First Semester When Term GPA < 2.0

## Classes that Matriculated Fall 2005-2010

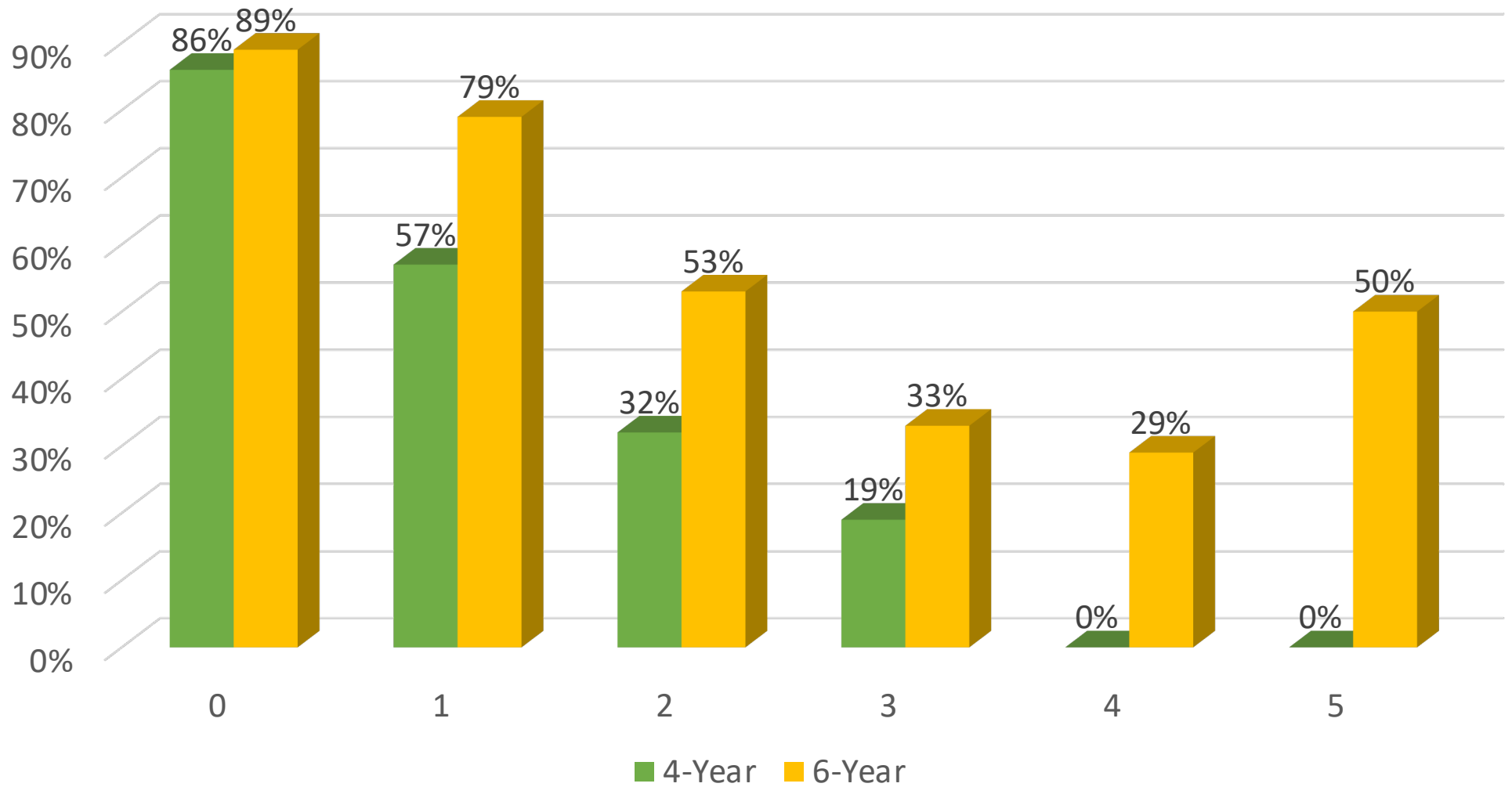


# First Semester When Term GPA < 2.0

## Classes that Matriculated Fall 2011-2017



# Effect on Graduation of Number of Terms with Term GPA < 2.0



# Results

- Students are most likely to earn a term GPA  $< 2.0$  in the first semester after matriculation
- Students, to a lesser extent, earn a term GPA  $< 2.0$  in the second-fourth semesters (typically, the time just before students select their major course of study)
- Students who earn no term GPA  $< 2.0$  have a high likelihood of graduating in 4-6 years
- Students who earn a single term GPA  $< 2.0$  have a good likelihood of graduating in 4-6 years
- Students who earn two or more term GPAs  $< 2.0$  have a much lower likelihood of graduating in 4-6 years

# Demographics of Cohorts In Models

Entering 2007-2017

Entering 2007-2021

Demographic	% Total (n=7521)	% Grad 4 Yrs
Total Students	100%	82.3%
American Indian or Alaskan Native	0.1%	75.0%
Asian	5.8%	83.9%
Black or African American	3.9%	81.4%
Hispanic/Latino	7.9%	83.8%
Native Hawaiian or Other Pacific Islander	0.1%	88.9%
Non-Resident Alien	7.4%	80.5%
Not Reported	4.7%	75.1%
Two Or More	4.3%	79.8%
White	65.9%	82.9%

Demographic	% Total (n=10367)	% P/W
Total Students	100%	8.3%
American Indian or Alaskan Native	<0.1%	20.0%
Asian	5.8%	8.5%
Black or African American	4.2%	19.7%
Hispanic/Latino	8.5%	14.9%
Native Hawaiian or Other Pacific Islander	0.1%	0%
Non-Resident Alien	9.0%	10.4%
Not Reported	3.9%	10.2%
Two Or More	4.7%	13.0%
White	64.8%	5.8%

%P/W is the percentage of students who had at least one term on probation or waiver.

0.1%, 7-8 students  
1.0%, 75 students  
10%, 752 students

0.1%, 10 students  
1.0%, 104 students  
10%, 1037 students



# Demographics of Cohorts In Models

Entering 2007-2017

Demographic	% Total (n=7521)	% Grad 4 Yrs
Total Students	100%	82.3%
Disability	12.2%	72.8%
Opportunity Program	5.8%	85.0%
Pell Eligible Entry	13.9%	85.4%
Male	39.6%	79.3%
Female	60.4%	84.2%
Athlete Entry	20.2%	83.8%
Skidmore Need Grant Entry	4.7%	85.3%
First Generation	12.6%	84.1%

Entering 2007-2021

Demographic	% Total (n=10367)	% P/W
Total Students	100%	8.3%
Disability	14.1%	13.8%
Opportunity Program	5.7%	16.8%
Pell Eligible Entry	14.1%	13.7%
Male	40.0%	12.1%
Female	60.0%	5.8%
Athlete Entry	19.7%	7.0%
Skidmore Need Grant Entry	43.8%	8.6%
First Generation	12.9%	15.6%

%P/W is the percentage of students who had at least one term on probation or waiver.

0.1%, 7-8 students  
1.0%, 75 students  
10%, 752 students

0.1%, 10 students  
1.0%, 104 students  
10%, 1037 students

# AQR of Cohorts In Models

Entering 2007-2017

AQR Score	% Total (n=7517)	% Grad 4 Yrs
Total	100%	82.3%
≤ 6	6.3%	83.8%
7	32.6%	76.5%
8	39.5%	84.1%
9	17.3%	86.7%
10	4.3%	89.4%

Entering 2007-2021

Demographic	% Total (n=10334)	% P/W
Total	100%	8.3%
≤ 6	3.7%	20.4%
7	33.7%	13.0%
8	41.1%	6.0%
9	16.9%	3.9%
10	4.3%	0.4%

%P/W is the percentage of students who had at least one term on probation or waiver.

0.1%, 7-8 students  
1.0%, 75 students  
10%, 752 students

0.1%, 10 students  
1.0%, 103 students  
10%, 1033 students

## Scale of Odds Ratio

Odds Ratio
$\geq 2.00$
1.80-1.99
1.60-1.79
1.40-1.59
1.20-1.39
1.00-1.19
0.80-0.99
0.60-0.79
0.40-0.59
0.20-0.39
$<0.20$



Higher

Same



Lower

Odds P/W If First  
Generation

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Odds P/W If Not  
First Generation

## Had At Least 1 Term on Probation or Waiver

Variable	Odds Ratio $\pm$ Std Error
Non-US Citizen	2.2 $\pm$ 0.3 ***
Disability Anytime	2.1 $\pm$ 0.2 ***
Student of Color	1.8 $\pm$ 0.2 ***
First Generation	1.7 $\pm$ 0.2 ***
Pell Eligible at Entry	1.4 $\pm$ 0.2 **
Skidmore Need Grant Entry	0.87 $\pm$ 0.08 <sup>NS</sup>
Athlete Entry	0.81 $\pm$ 0.08 **
Female	0.51 $\pm$ 0.04 ***
AQR Rating	0.49 $\pm$ 0.03 ***
Opportunity Program	0.28 $\pm$ 0.05 ***

Pseudo R<sup>2</sup> = 0.0958

Number of obs = 10,363

LR chi2(10) = 568.04

Prob > chi2 = 0.0000

Entering 2007-2021

\* < 0.050

\*\* < 0.010

\*\*\* < 0.001

NS not significant, > 0.050

## Had At Least 1 Term GPA < 2.0

Variable	Odds Ratio $\pm$ Std Error
Non-US Citizen	2.1 $\pm$ 0.3 ***
Disability Anytime	1.9 $\pm$ 0.2 ***
Student of Color	1.8 $\pm$ 0.2 ***
First Generation	1.7 $\pm$ 0.2 ***
Pell Eligible at Entry	1.5 $\pm$ 0.2 **
Skidmore Need Grant Entry	0.83 $\pm$ 0.08 *
Athlete Entry	0.76 $\pm$ 0.07 **
Female	0.51 $\pm$ 0.04 ***
AQR Rating	0.49 $\pm$ 0.03 ***
Opportunity Program	0.32 $\pm$ 0.06 ***

Pseudo R<sup>2</sup> = 0.0921

Number of obs = 10,363

LR chi2(10) = 568.04

Prob >chi2 = 0.0000

Entering 2007-2021

\* < 0.050

\*\* < 0.010

\*\*\* < 0.001

NS not significant, > 0.050

## Graduate in 4 Years, Terms GPA <2.0 Included

Variable	Odds Ratio $\pm$ Std Error
Opportunity Program	2.4 $\pm$ 0.6 ***
Skidmore Need Grant Entry	1.2 $\pm$ 0.2 *
AQR Rating	1.16 $\pm$ 0.06 **
Disability Anytime	0.80 $\pm$ 0.08 *
Terms GPA < 2.0	0.31 $\pm$ 0.02 ***

Pell Eligible at Entry, Athlete at Entry, Female, First Generation, Student of Color, and Non-US Citizen  
- not statistically significant.

Pseudo R<sup>2</sup> = 0.0696

Number of obs = 7,237

LR chi2(10) = 417.40

Prob >chi2 = 0.0000

Entering 2007-2017

\* < 0.050

\*\* < 0.010

\*\*\* < 0.001

NS not significant, > 0.050

# Results

Students with **greater** odds of academic success:

- Opportunity Program students and students with a high AQR
  - To a lesser degree, students who identify as female, and students who are athletes at entry

Students with **lower** odds of academic success:

- Students with a documented disability
  - To a lesser degree, students of color, first generation students, Pell grant-eligible students at entry, and students who were non-US citizens