

The best practices are  
the ones that work for **you.**<sup>SM</sup>



EAB

Hardwick Day

## Financial Aid Optimization Analysis

Montana State University-Bozeman  
October 2017  
*Census*

# Hardwick Day

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1

# National Landscape

2

## Full-Time Freshman Summaries

3

## Model Population Analysis

4

## Appendix

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1

National Landscape

2

Full-Time Freshman Summaries

3

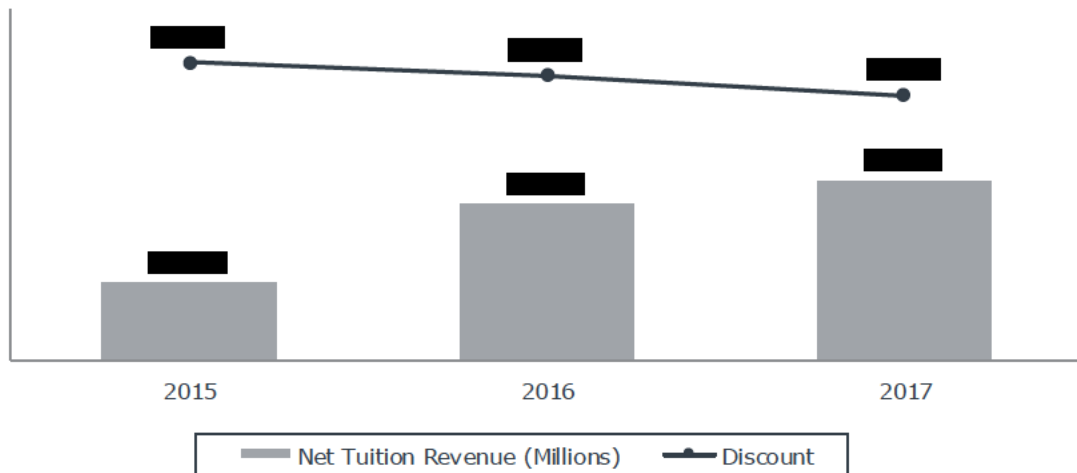
Model Population Analysis

4

Appendix

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# MSU-Bozeman Full-Time Freshmen Revenues and Discount



*Full-Time  
Freshman  
Enrollment:*

2868

3335

3092

*Avg Net Tuition  
Rev Per  
Student:*

[REDACTED]

[REDACTED]

[REDACTED]

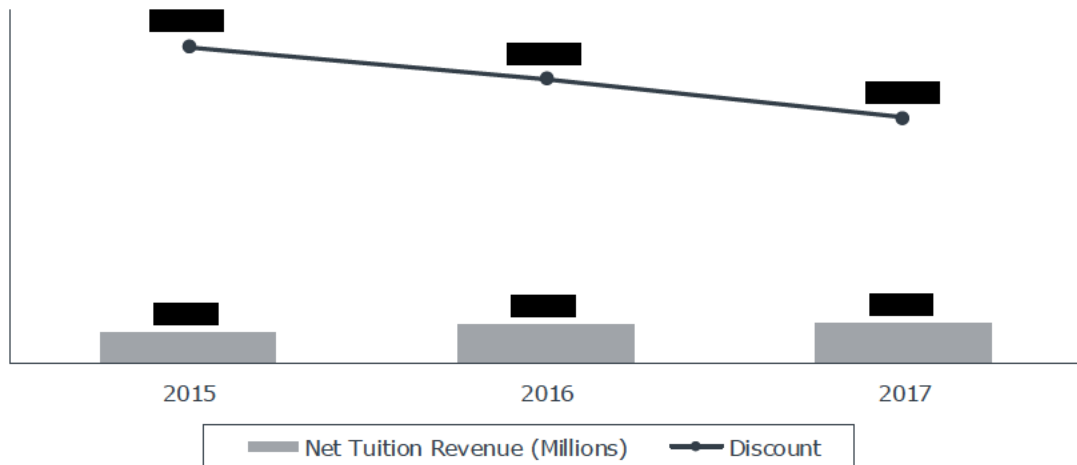
*Average Test  
Score:*

25

25

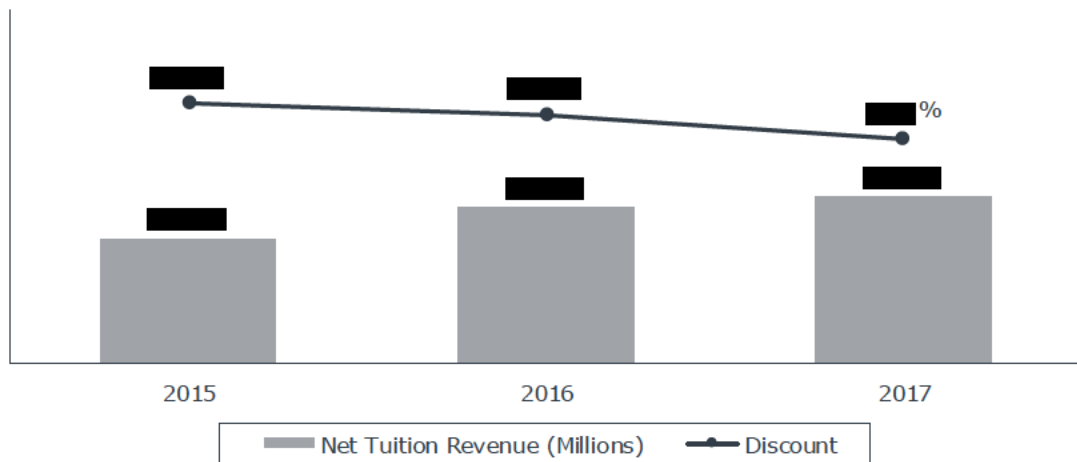
24

# MSU-Bozeman Full-Time Resident Freshman Revenues and Discount



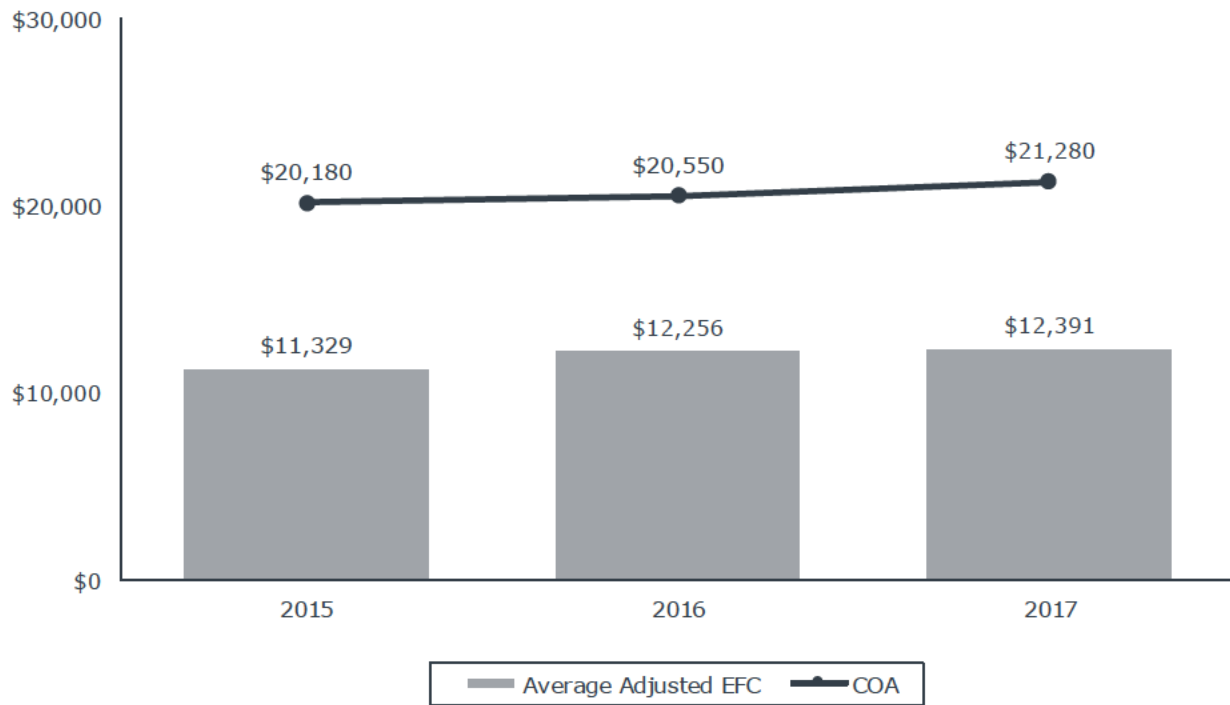
Full-Time Freshmen Enrollment	1441	1642	1518
Annual Tuition & Fees	\$6,800	\$6,850	\$7,150
Avg Net Tuition Rev Per Student:			
Average Test Score:	24	24	24

# MSU-Bozeman Full-Time Freshmen Non-Resident Revenues and Discount



Full-Time Freshmen Enrollment	1427	1693	1574
Annual Tuition & Fees	\$21,390	\$22,080	\$24,300
Avg Net Tuition Rev Per Student:	[Redacted]	[Redacted]	[Redacted]
Average Test Score:	26	25	25

# Average Expected Family Contribution (Residents)



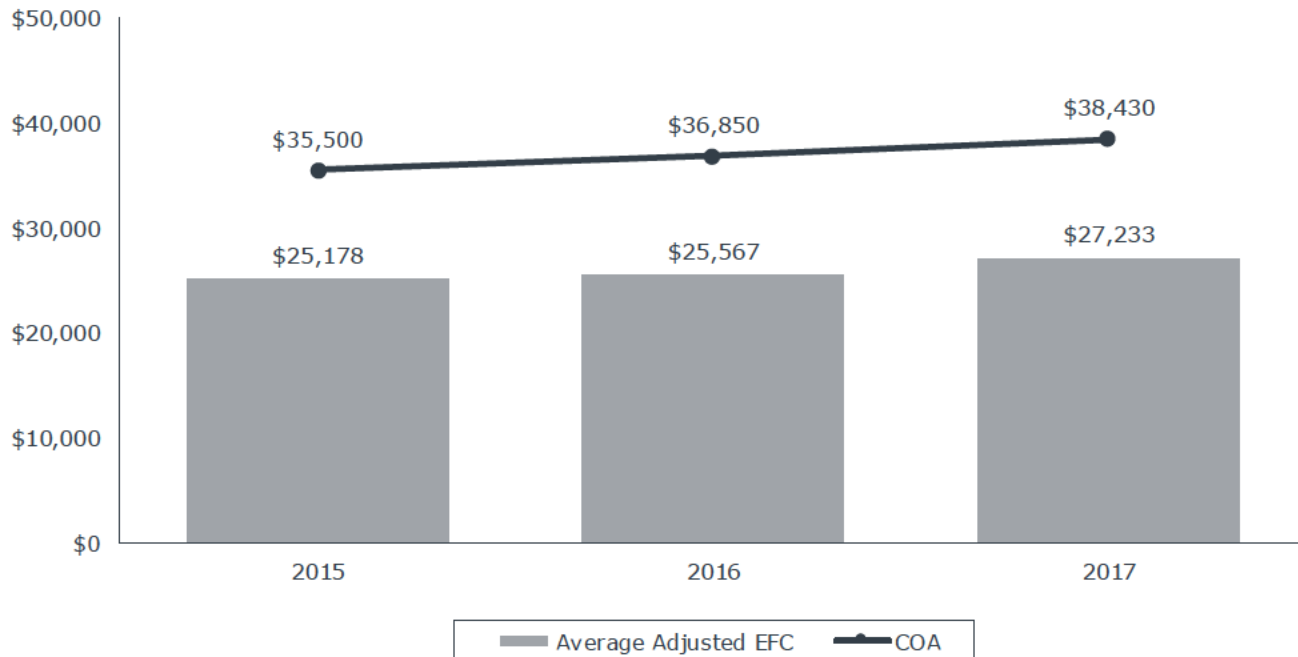
\* Capped at yearly budget. Full budget imputed for non-FAFSA filers.

1) Data as of 9/26/2017





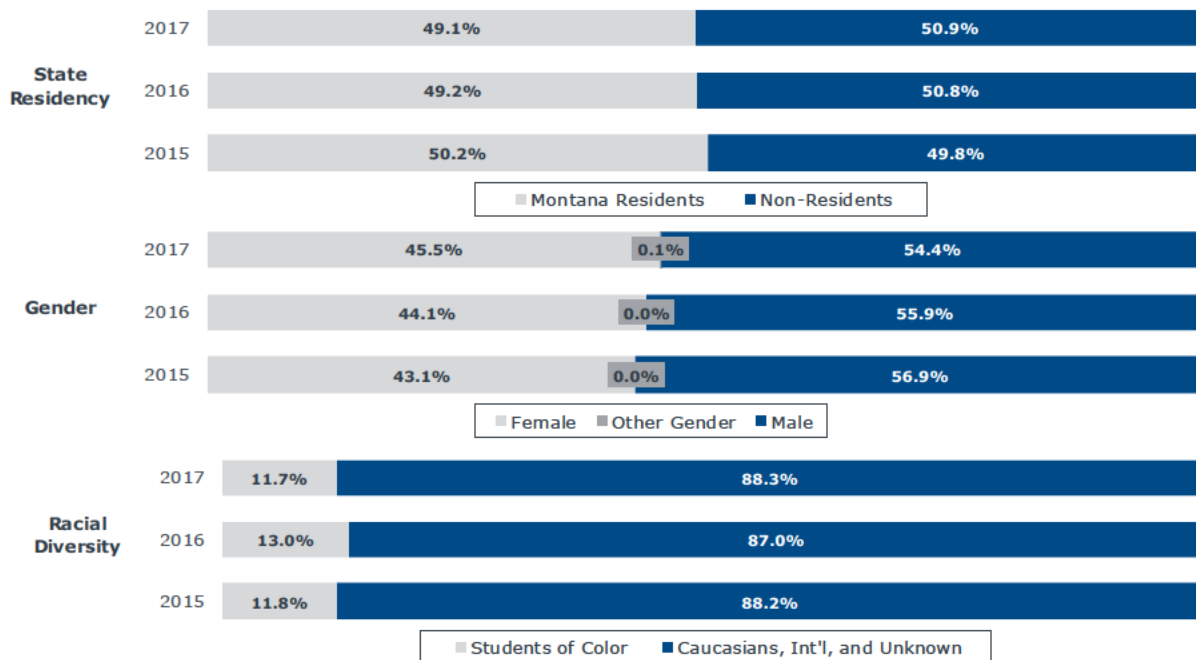
# Average Expected Family Contribution (Non-Residents)<sup>10</sup>



\* Capped at yearly budget. Full budget imputed for non-FAFSA filers.

# Demographic Comparisons

## Full-Time Enrolled Freshmen



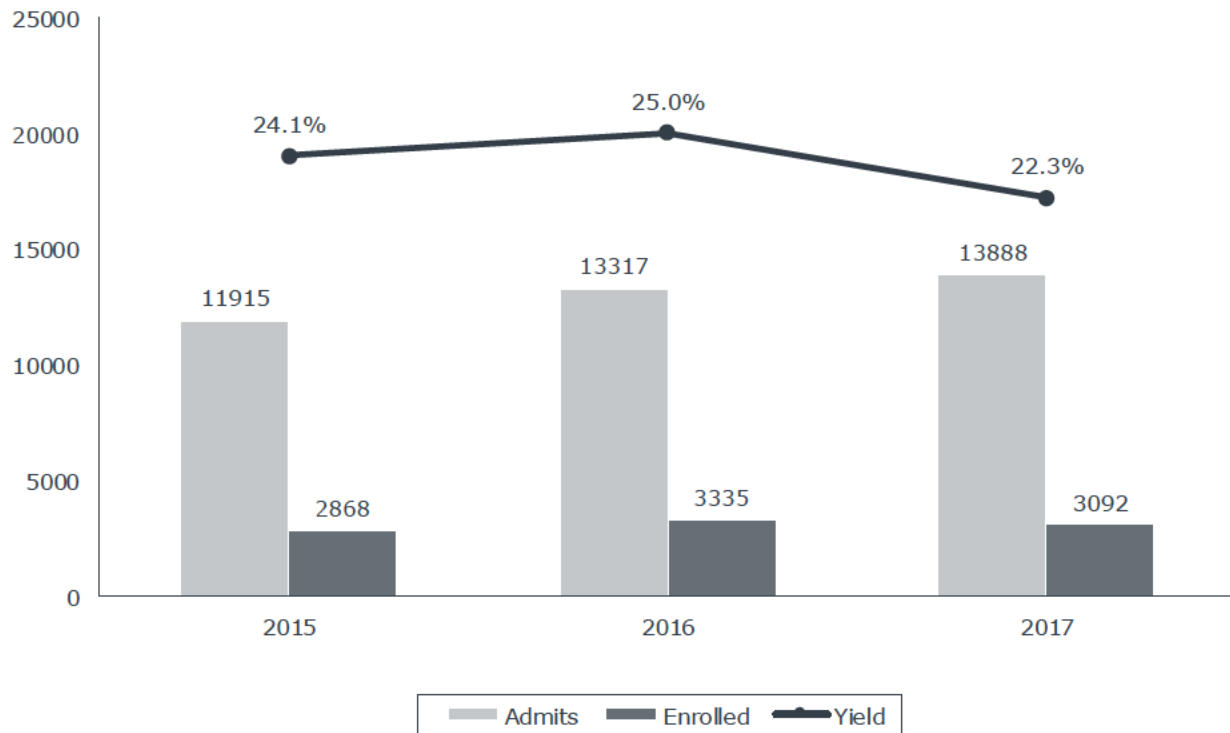
## MSU-Bozeman

### 2017 Financial Aid Optimization Analysis

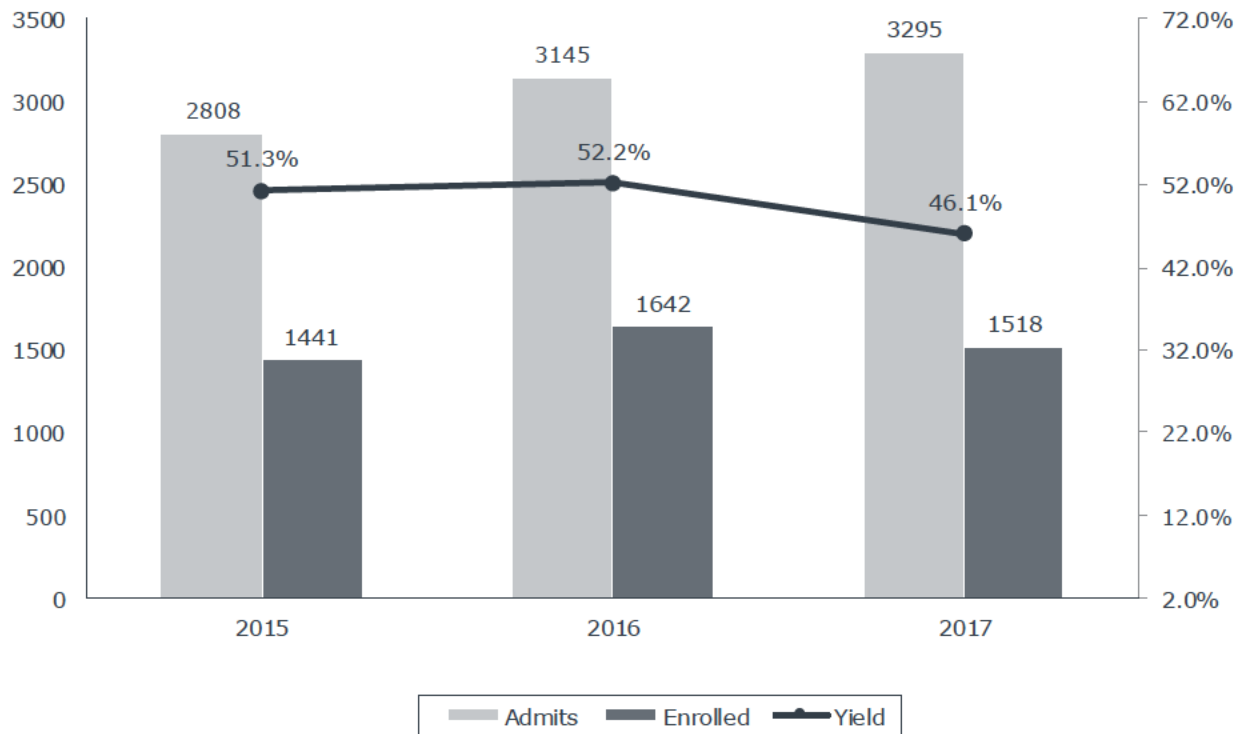
Summary of Records Chosen for Analysis

	Admits	Enrolled	Yield	Institutional Gift	Net Revenue	Discount	Waivers	Athletic Scholarships	Discount with Waivers	Discount w/o Waivers and Athletic
Full-Time Freshman Total:	13,888	3,092	22%	\$13,548,478			\$0	\$248,894		
Athletes:	33	33	100%	\$372,837			\$0	\$248,894		
Internationals:	128	14	11%	\$3,000			\$0	\$0		
Independents:	187	53	28%	\$59,597			\$0	\$0		
No Academic Info:	28	0	0%	\$0			\$0	\$0		
Full-Time Freshman Excluded:	376	100	27%	\$435,434			\$0	\$248,894		
Model Population:	13,512	2,992	22%	\$13,113,044			\$0	\$0		
2017 Resident Tuition & Fees:				\$7,150						
2017 Non-Resident Tuition & Fees:				\$24,300						

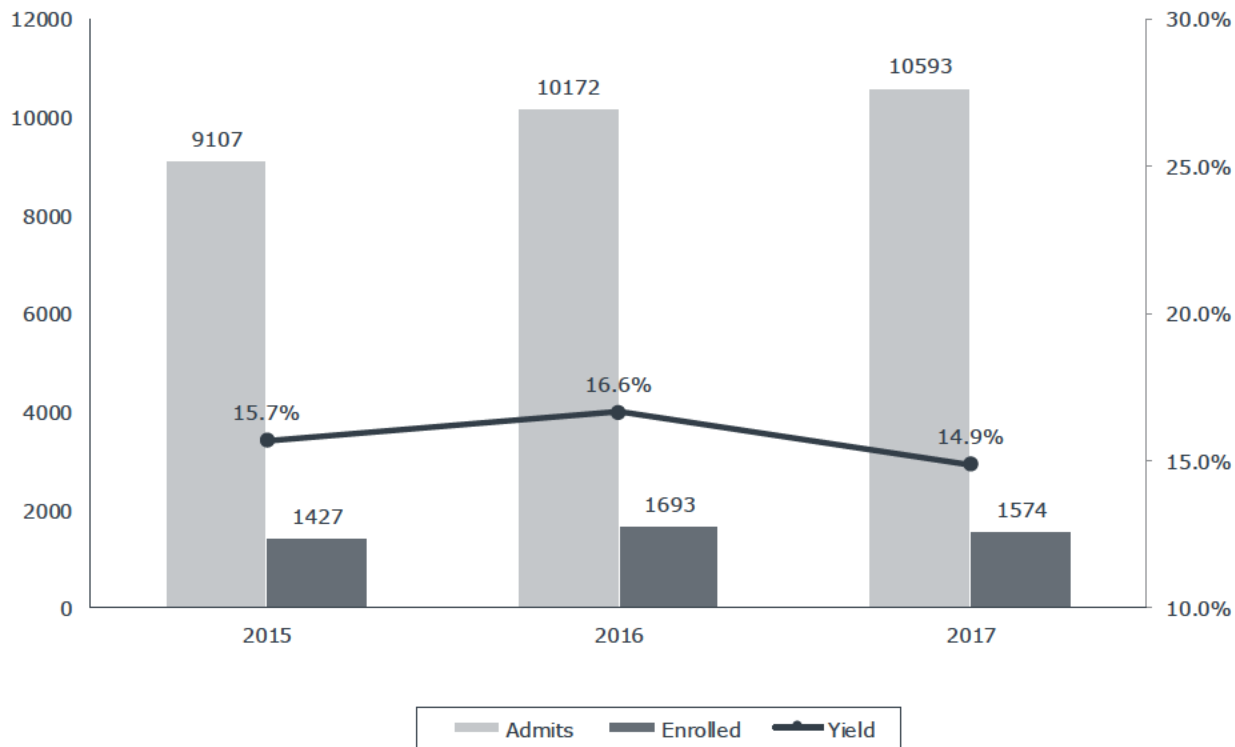
# MSU-Bozeman Full-Time Freshmen Yield



# MSU-Bozeman Full-Time Freshmen Yield (Residents)



# MSU-Bozeman Full-Time Freshmen Yield (Non-Residents)



1

National Landscape

2

Full-Time Freshman Summaries

3

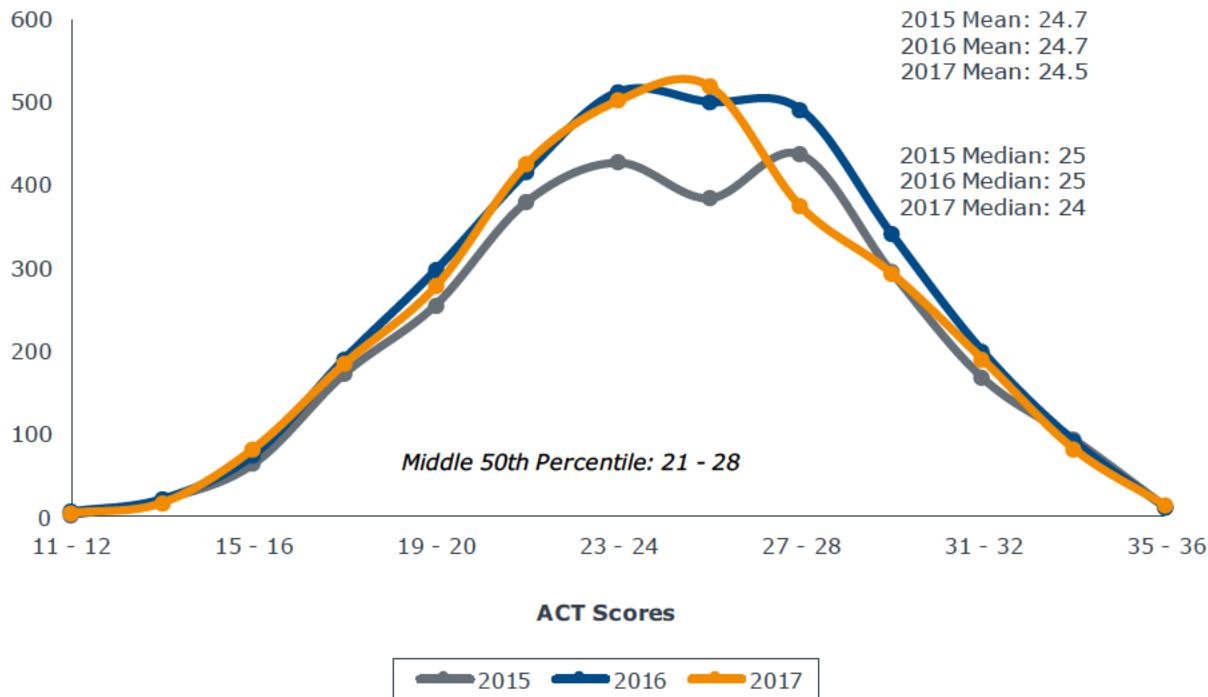
Model Population Analysis

4

Appendix

# Enrolled by Test Score

## Model Population

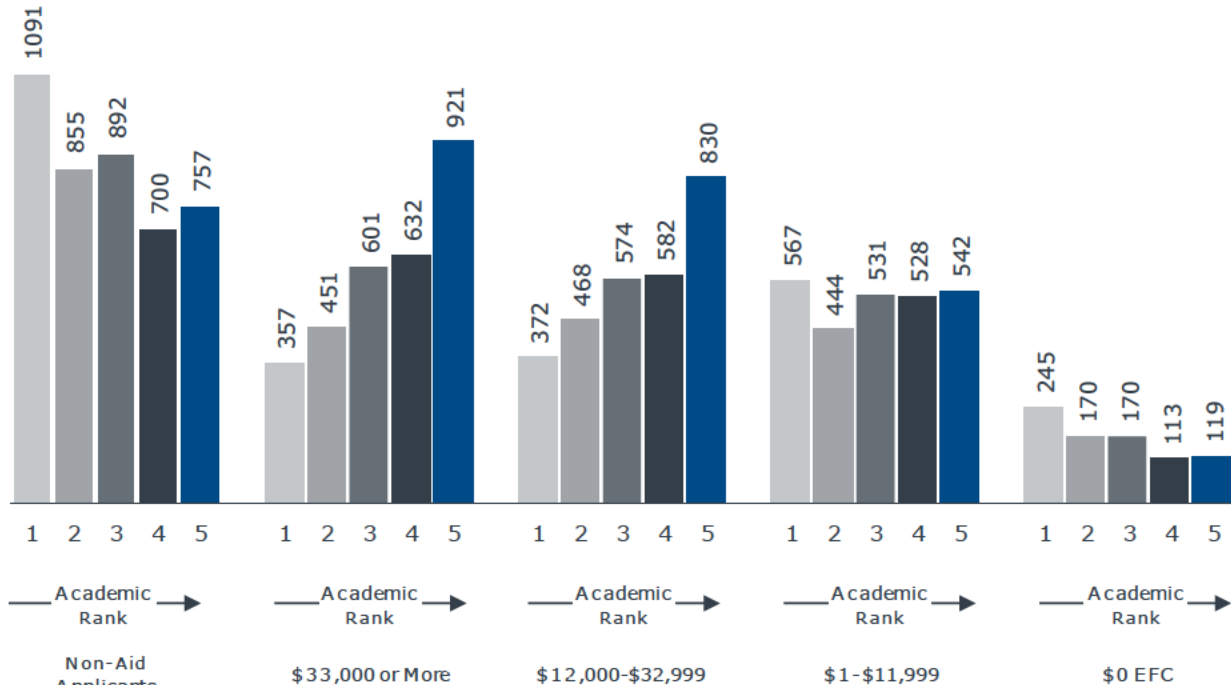




# Admits by Cell: EFC and Academic Ranks



## Model Population



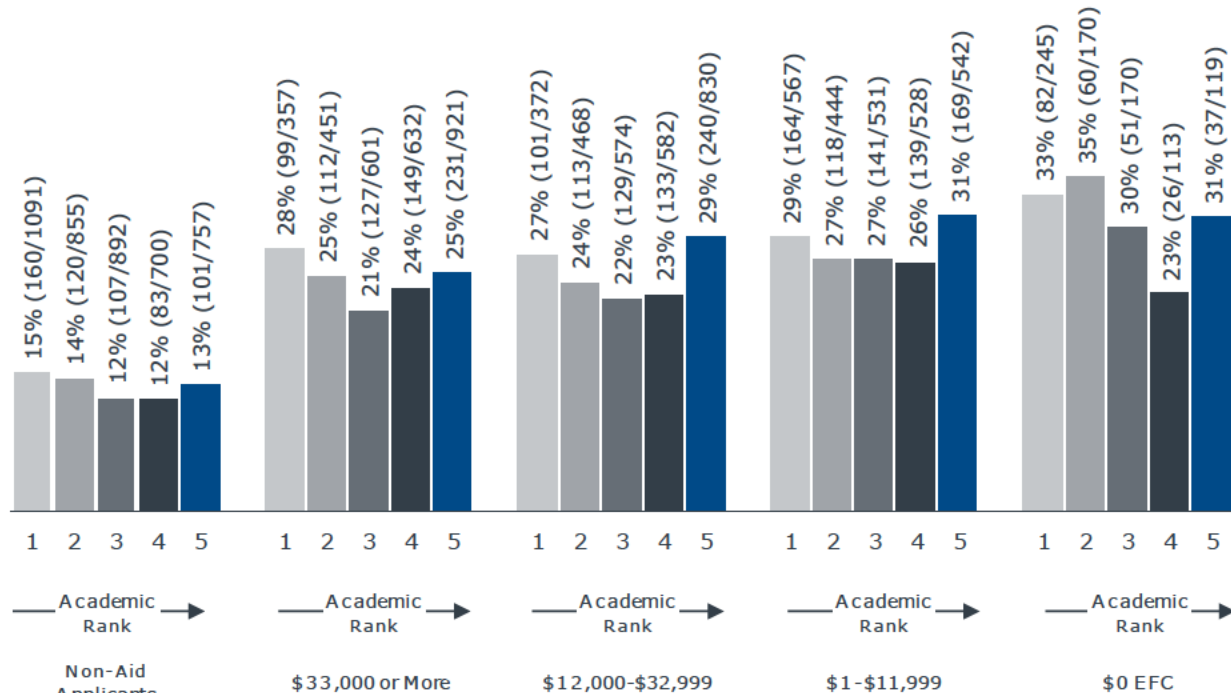
1) Data as of 9/26/2017

# Yield by Cell: EFC and Academic Ranks

## Model Population

Current Year Data as of September 26, 2017

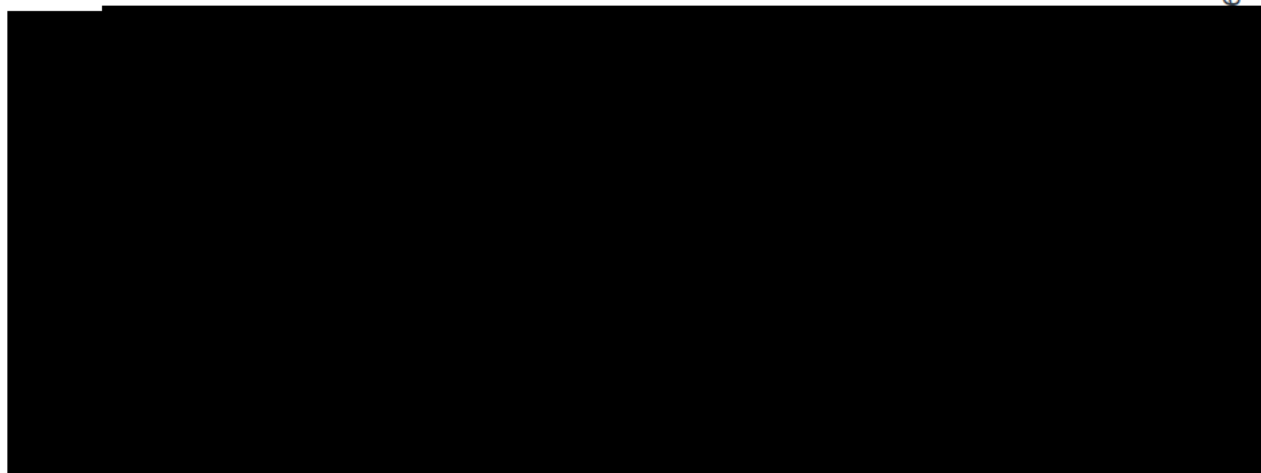
Academic Rank Parameters last re-normed in Fall 2017



# Average Total Grant by Cell: EFC and Academic Ranks



## Model Population



1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
Academic	Academic	Academic	Academic	Academic	Academic	Academic	Academic	Academic	Academic	Academic	Academic	Academic	Academic	Academic	Academic	Academic	Academic	Academic	Academic	Academic	Academic	Academic	Academic	Academic
Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank
→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→
Non-Aid	\$33,000 or More	\$12,000-\$32,999	\$1-\$11,999	\$0 EFC																				
Applicants																								

# Parameters for Calculation of Academic Ranks

## Model Population

Date Last Re-Normed: **Fall 2017**  
 Current Year Data Date: **9/26/2017**

High School GPA Points		
GPA of at Least	Points	Record Count
■	1	1173
■	2	1240
■	3	1158
■	4	1362
■	5	1352
■	6	1332
■	7	1377
■	8	1521
■	9	1387
■	10	1610
Total Values:		13512

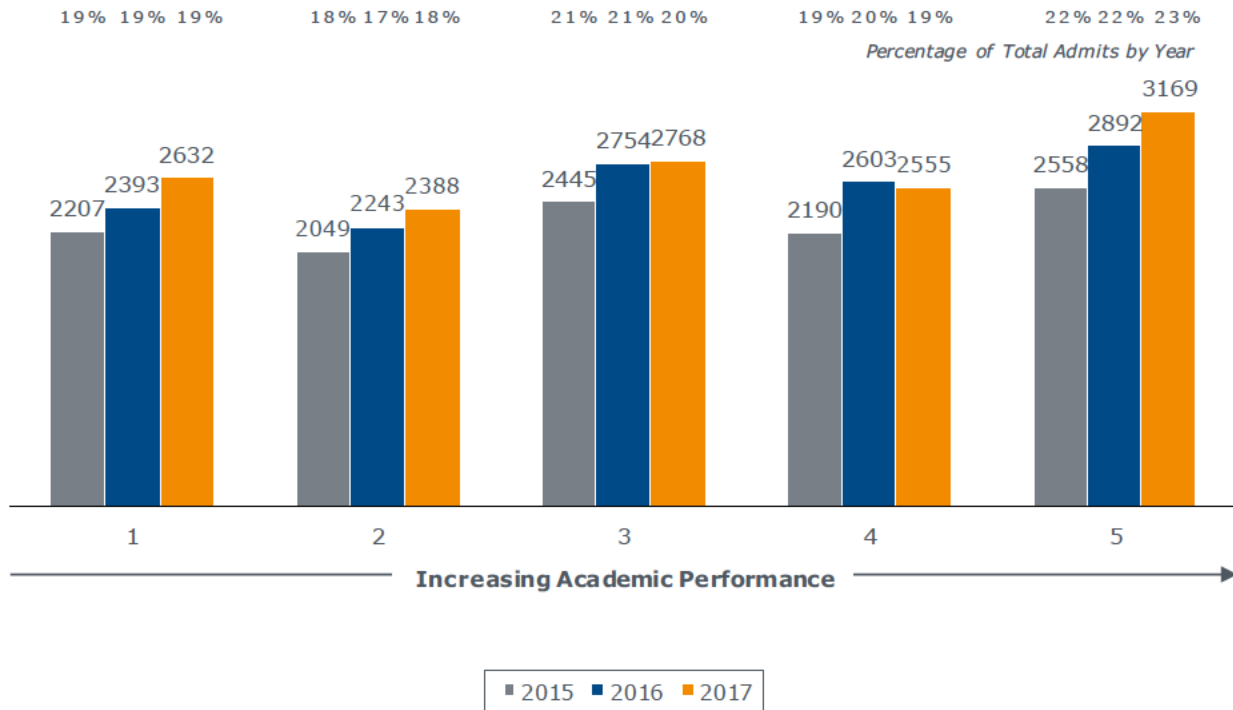
ACT Score Points		
ACT Score of at Least	Points	Record Count
■	1	1116
■	2	1256
■	3	1000
■	4	1042
■	5	1156
■	6	1231
■	7	2285
■	8	1000
■	9	2140
■	10	1286
Total Values:		13512

Academic Index						
Total Points of at Least	Quintile	Academic Rank	Record Count	Average GPA	Average Rank	Average ACT
1	1	1	2632			
10	2	2	2388			
15	3	3	2768			
20	4	4	2555			
25	5	5	3169			
Total:			13512			

# Admits by Academic Rank

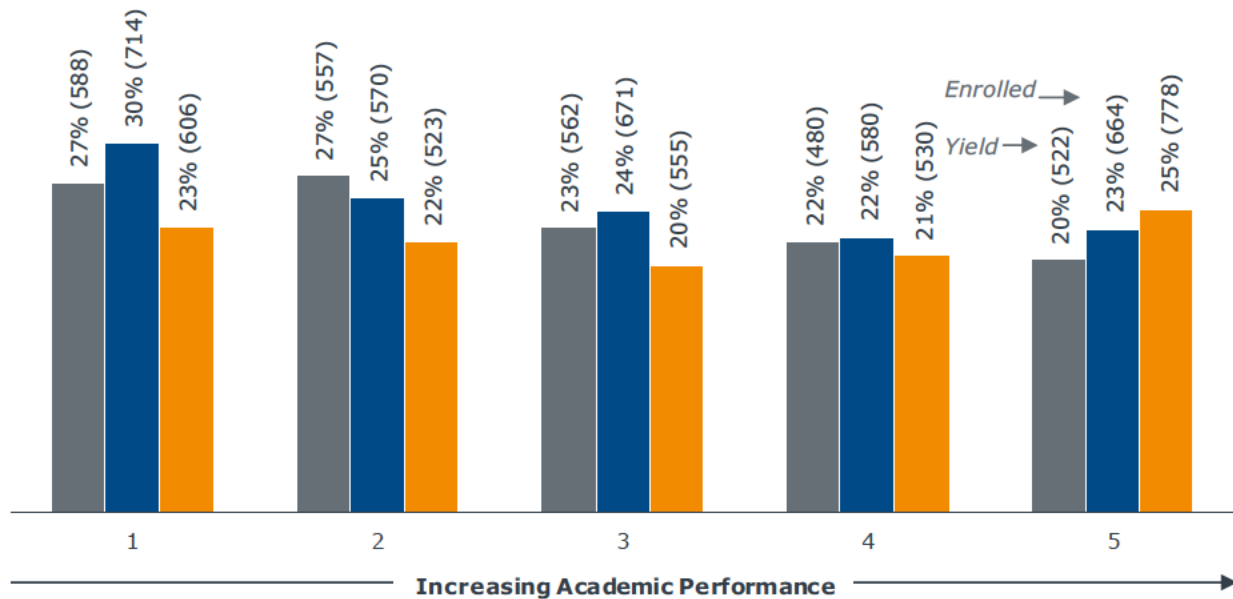


## Model Population



# Yield by Academic Rank

## Model Population



Discount Rate:

4.5%  
3.8%  
2.8%

21.5%  
20.9%  
11.2%

35.2%  
30.4%  
19.1%

47.4%  
43.6%  
34.8%

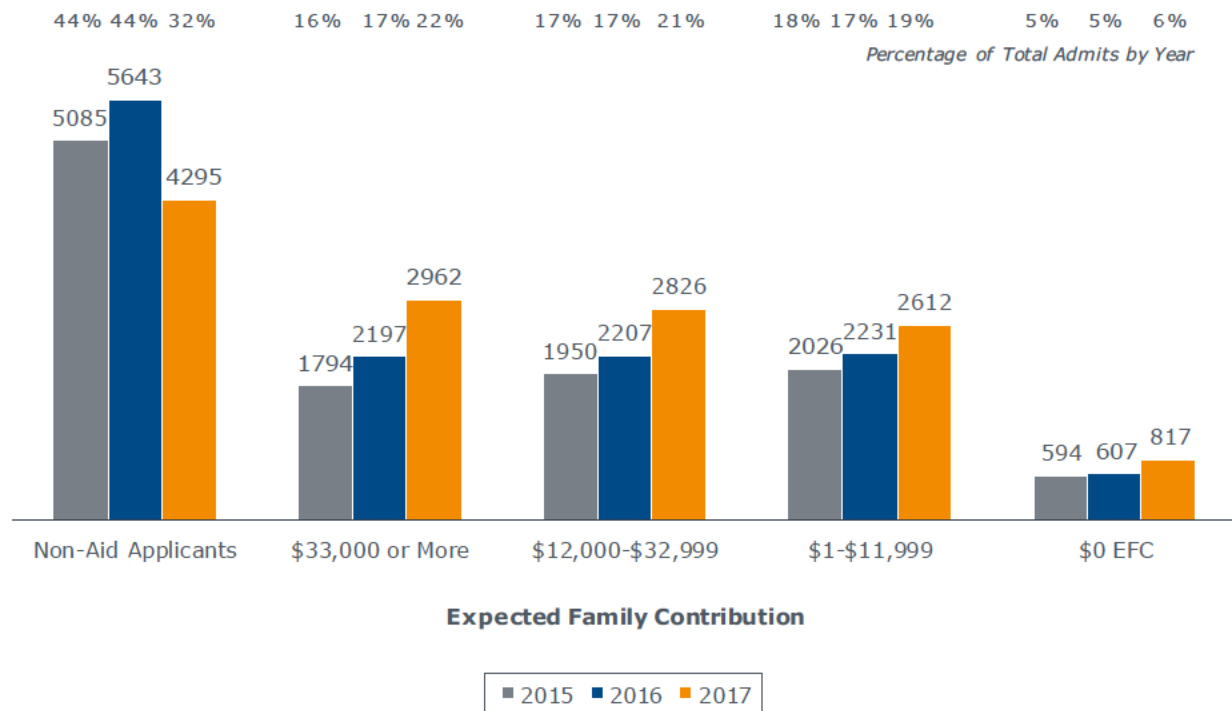
65.1%  
61.9%  
55.6%

# Admits by EFC Rank



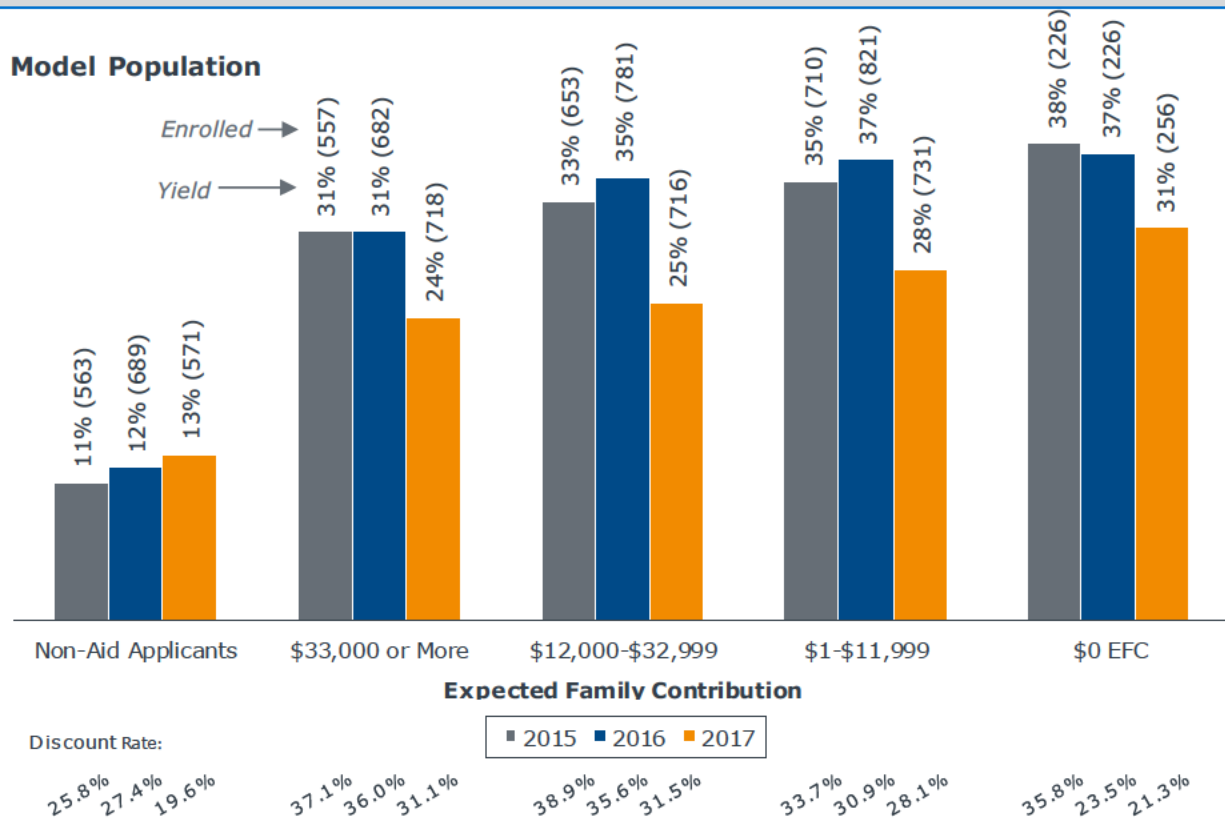
26

## Model Population



# Yield by EFC Rank

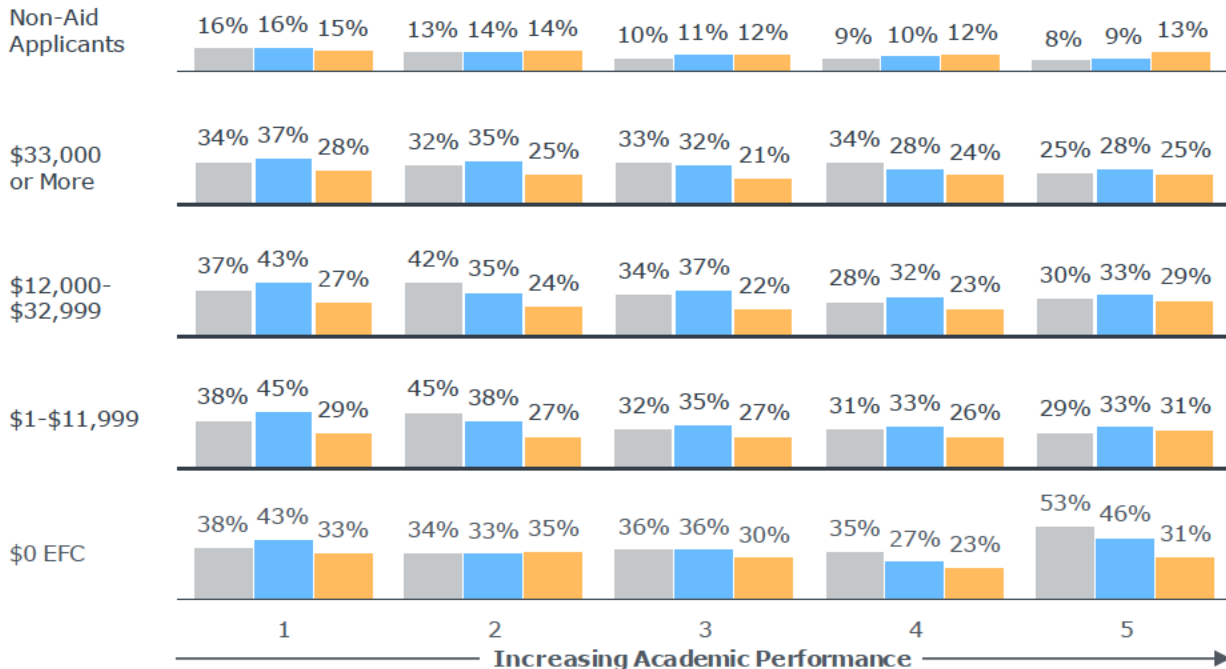
## Model Population





# Yield by Cell: EFC and Academic Ranks

## Model Population



# Average Total Grant by Cell: EFC and Academic Ranks



**Model Population**

*Adjusted for Increased Cost of Attendance*

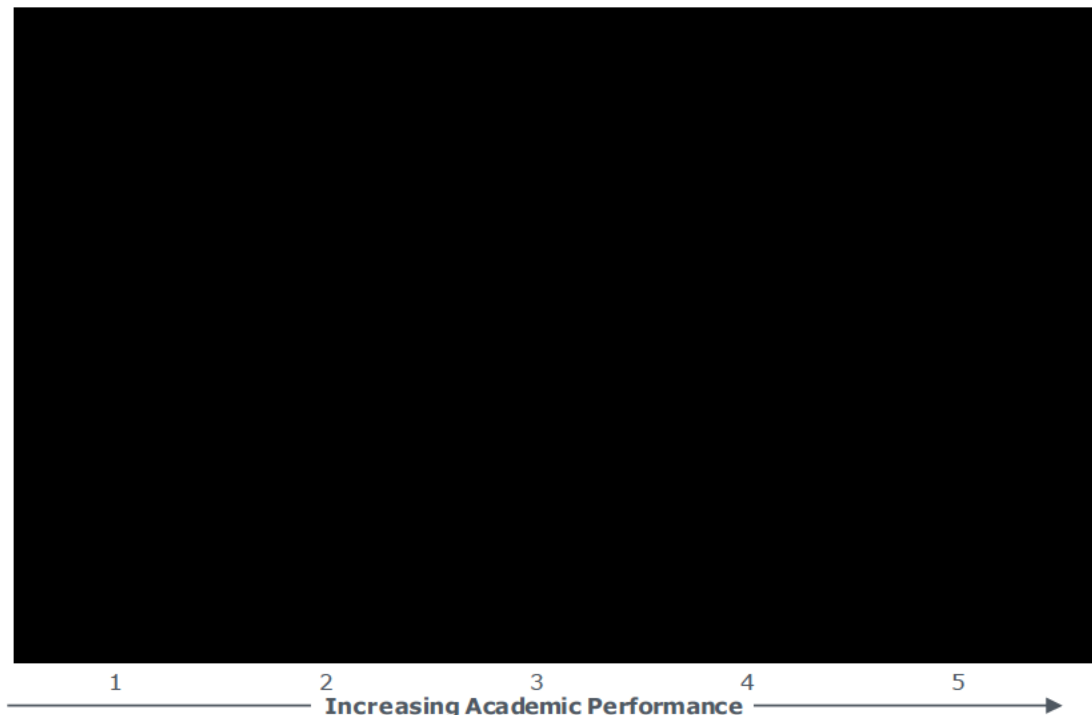
Non-Aid  
Applicants

\$33,000  
or More

\$12,000-  
\$32,999

\$1-\$11,999

\$0 EFC

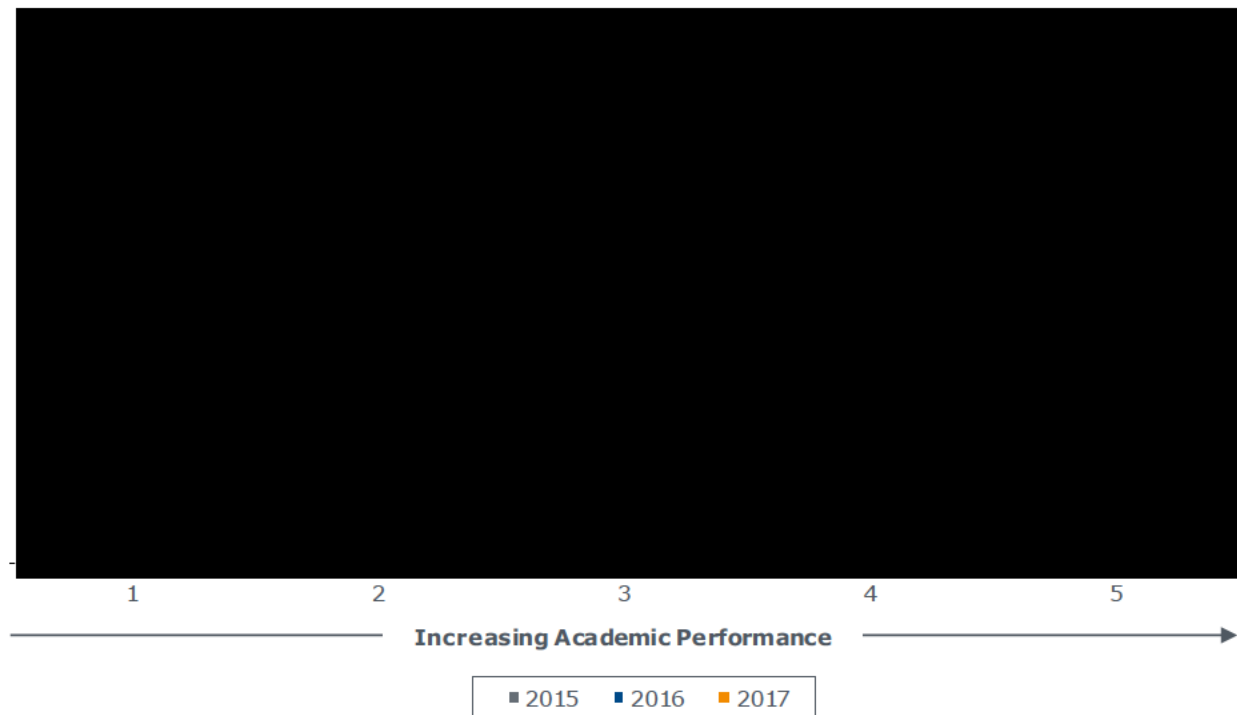


■ 2015 ■ 2016 ■ 2017

# Average Net Revenue of Enrolled by Academic Rank



## Model Population

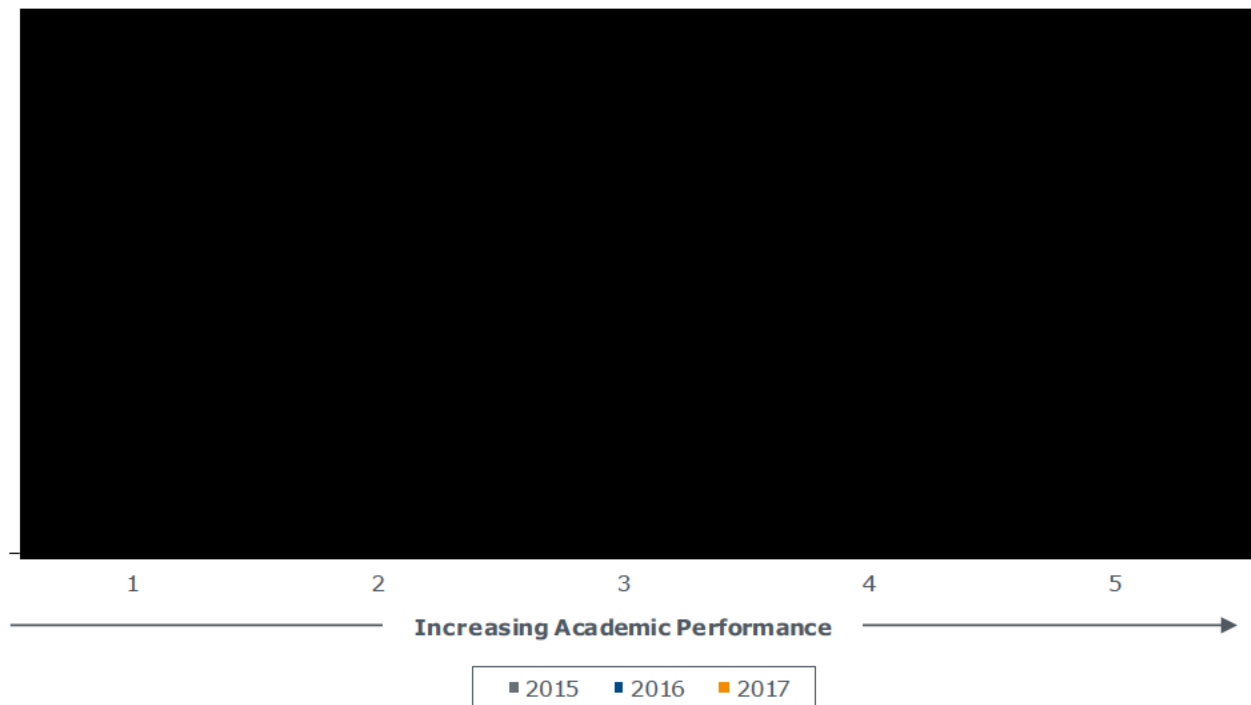


1) Data as of 9/26/2017

# Total Net Revenue of Enrolled by Academic Rank



## Model Population



1) Data as of 9/26/2017

# Average Net Revenue of Enrolled by EFC Rank



## Model Population



# Total Net Revenue of Enrolled by EFC Rank

## Model Population

