



Rush University

Annual Report

2017-2018

Prepared by the:

Office of Institutional Research, Assessment and Accreditation



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MISSION:

Rush University provides outstanding health sciences education and conducts impactful research in a culture of inclusion, focused on the promotion and preservation of the health and well being of our diverse communities.

VISION:

The Rush learning community will be the leading health sciences university committed to transforming health care through innovative research and education.

College of Health Sciences

Bachelor of Science Programs

- Health Sciences
- Imaging Sciences
- Vascular Ultrasound

Master of Science Programs

- Cardiovascular Perfusion
- Clinical Laboratory Management
- Clinical Nutrition (MS, MSDI)
- Health System Management
- Medical Laboratory Science
- Physician Assistant Studies
- Respiratory Care
- Speech-Language Pathology

Doctor of Audiology

Occupational Therapy Doctorate

PhD in Health Sciences

Specialist in Blood Bank Certificate

College of Nursing

Master of Science in Nursing

Doctor of Nursing Practice: Program Tracks

- Adult-Gero Acute Care
- Adult-Gero Primary Care
- Anesthesia
- Family
- Neonatal
- Pediatric Acute Care
- Pediatric Primary Care
- Psychiatric-Mental Health
- Public Health
- Transformative Leadership: Population Health
- Transformative Leadership: Systems

PhD in Nursing Science

Post Graduate Certificate: Program Tracks

- Adult-Gero Acute Care
- Neonatal
- Pediatric Acute Care

Rush Medical College

Doctor of Medicine (MD)

The Graduate College

Master of Science Programs

- Biotechnology
- Clinical Research
- Integrated Biomedical Sciences

PhD in Anatomy & Cell Biology

PhD in Biochemistry

PhD in Biomechanics

PhD in Immunology

PhD in Integrated Biomedical Sciences

PhD in Neuroscience

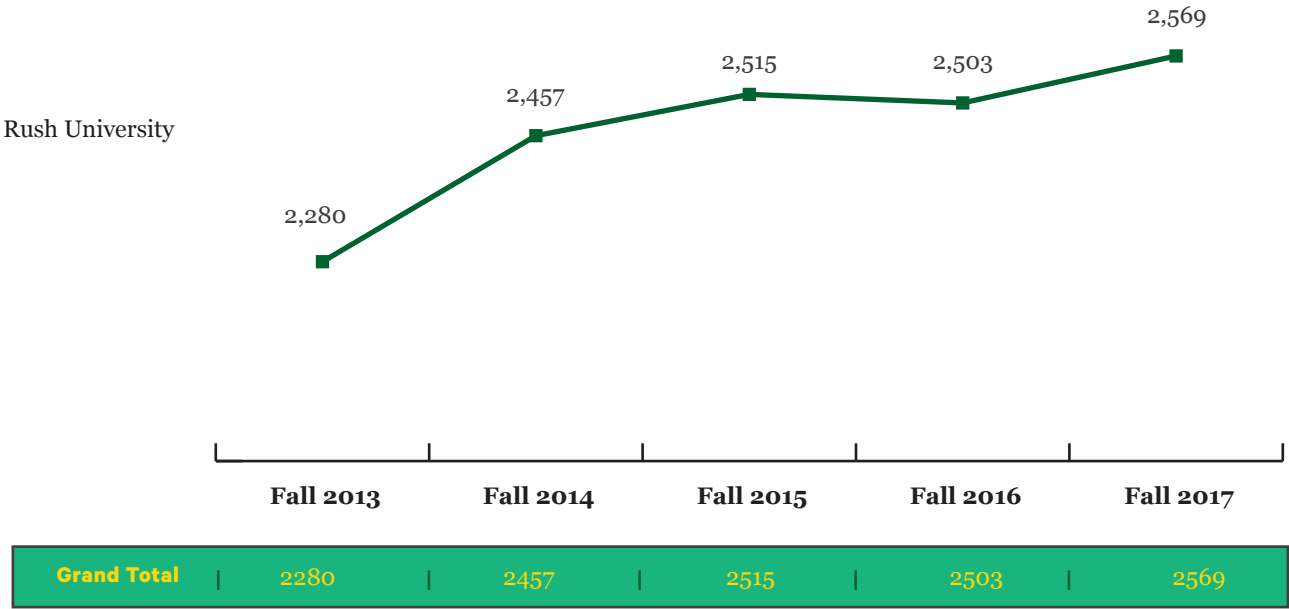
PhD in Pharmacology



Section 3: Enrollment

3.1 Rush University Enrollment, Fall 2013-Fall 2017

On the average, annual enrollment increased by 3 percent with an overall increase of 13 percent since fall 2013.

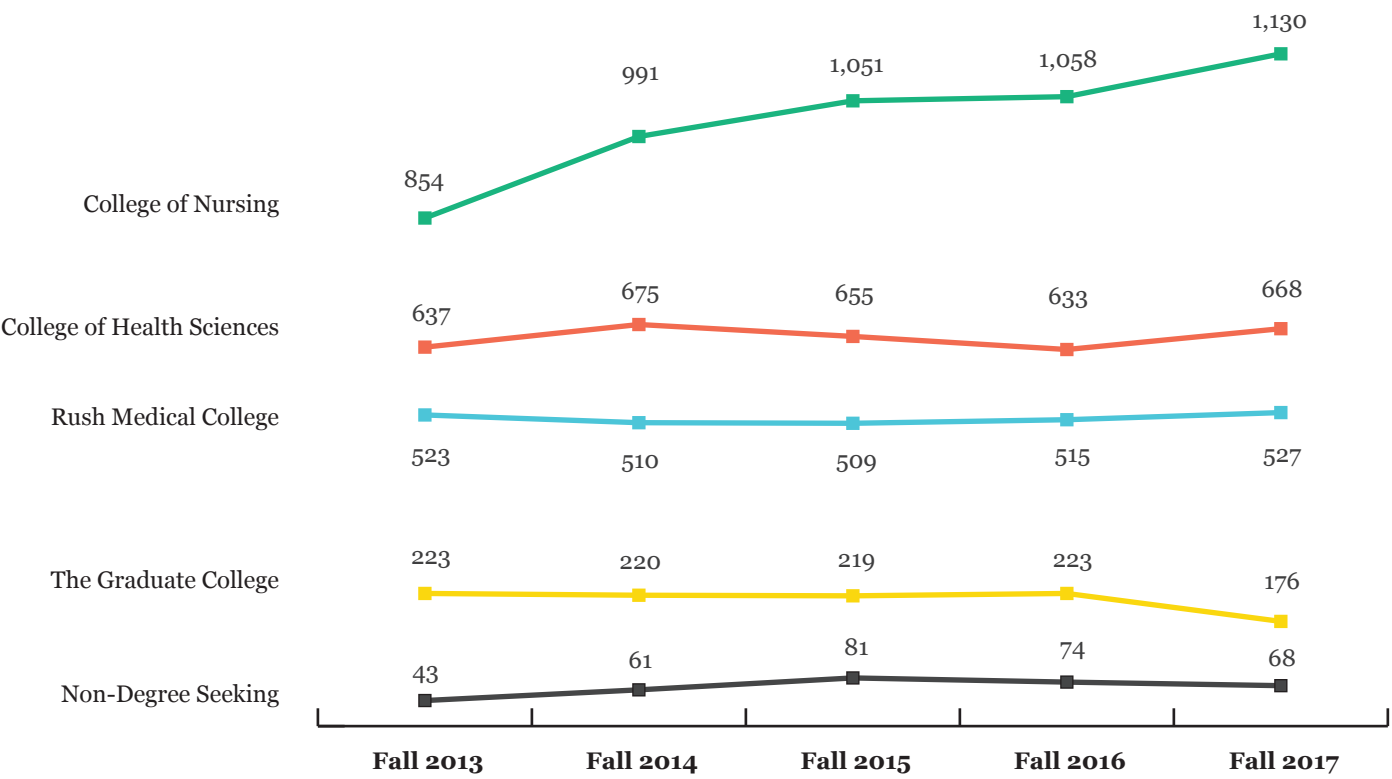


Of the 2569 students enrolled in fall 2017,

- 833 were new students.
- 44 percent were enrolled in College of Nursing.
- 54 percent were enrolled in professional doctorate programs.
- 62 percent were full-time.

3.2 Enrollment by College, Fall 2013-Fall 2017

Beginning with the fall 2017 census enrollment, students in the PhD in Health Sciences and PhD in Nursing Science programs are included in the headcount of their respective colleges; prior to that they had been included in the headcount of The Graduate College.



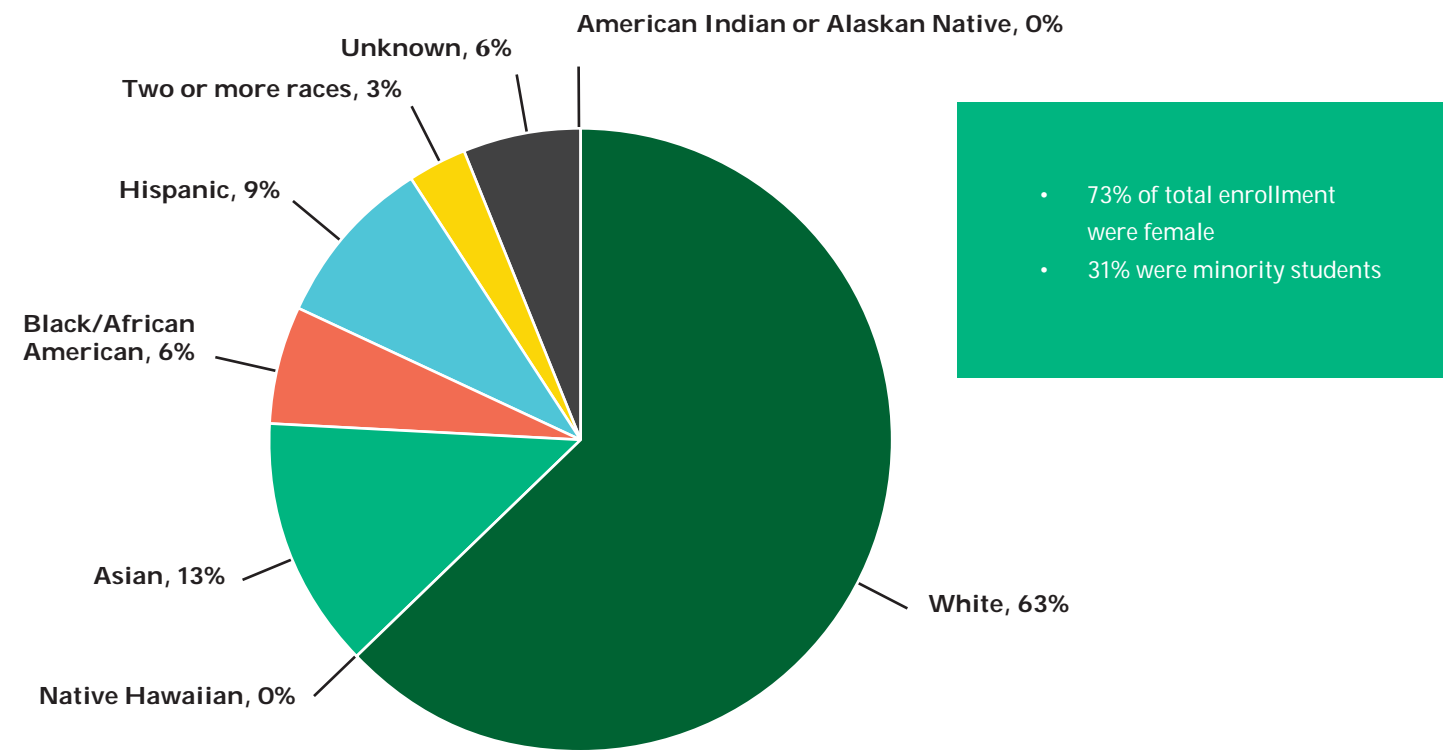
Section 3: Enrollment

3.3 Enrollment by Degree and Program, Fall 2013-Fall 2017

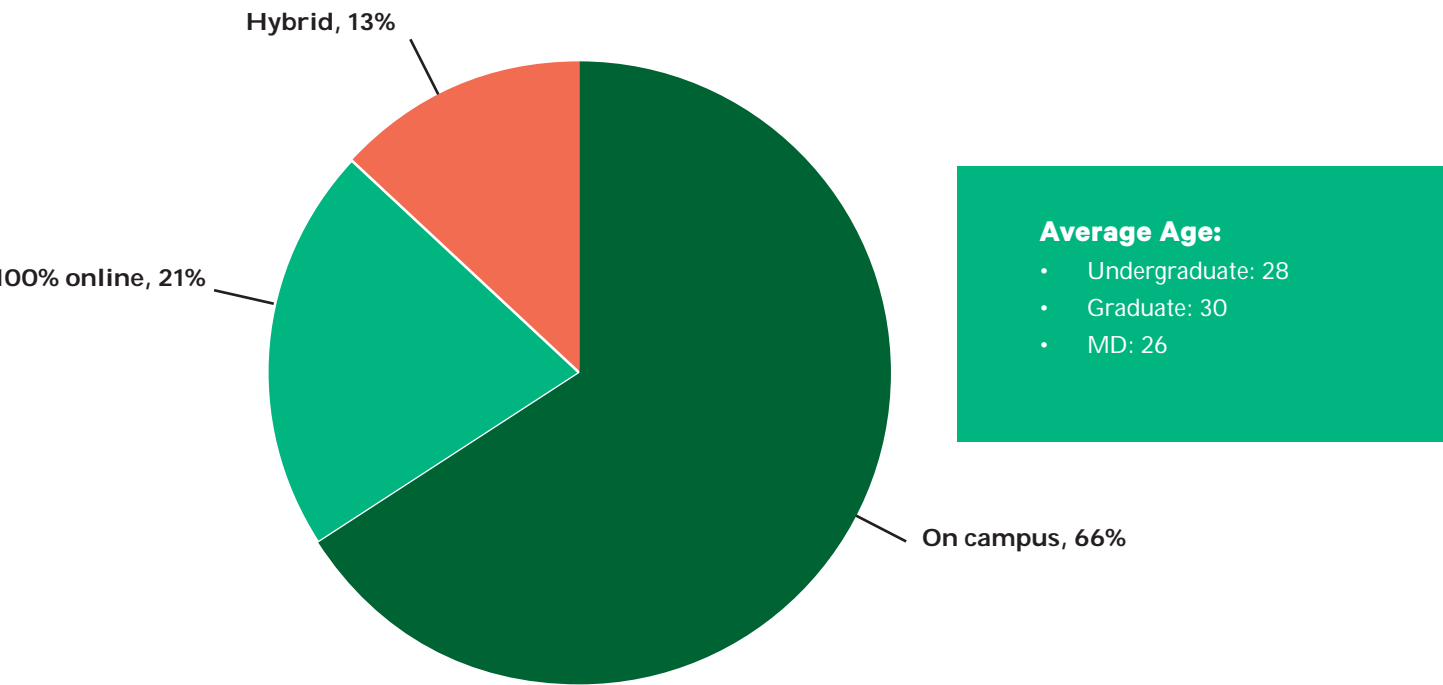
Bachelor of Science Programs	FA2013	FA2014	FA2015	FA2016	FA2017
Cardiovascular Perfusion	--	3	7	3	--
Health Sciences	7	18	26	27	26
Imaging Sciences	43	52	37	44	52
Medical Laboratory Science	28	20	27	16	--
Respiratory Care	16	15	7	3	--
Vascular Ultrasound	27	29	30	29	29
Master of Science Programs	FA2013	FA2014	FA2015	FA2016	FA2017
Anatomy and Cell Biology	2	1	4	2	--
Biochemistry	3	3	6	--	--
Biomechanics	3	1	1	--	--
Biotechnology	32	32	31	31	34
Cardiovascular Perfusion	24	26	28	33	39
Clinical Laboratory Management	29	34	42	41	43
Clinical Nutrition	34	34	33	31	31
Clinical Research	68	75	69	57	67
Health Systems Management	51	52	55	59	58
Immunology/Microbiology	1	--	4	4	1
Integrated Biomedical Sciences	--	--	--	15	19
Medical Laboratory Science	26	27	29	26	29
Nursing	433	392	335	323	330
Occupational Therapy	73	75	75	74	37
Pharmacology	3	3	3	--	--
Physician Assistant Studies	77	86	91	91	87
Radiological Sciences	1	1	--	--	--
Research Administration	23	19	11	1	--
Respiratory Care	67	68	42	35	36
Speech-Language Pathology	48	53	54	57	61
Doctor of Philosophy (PhD) Programs	FA2013	FA2014	FA2015	FA2016	FA2017
Anatomy and Cell Biology	7	6	5	3	3
Biochemistry	11	15	12	9	9
Biomechanics	2	4	3	2	2
Health Sciences	15	14	21	34	41
Immunology/Microbiology	13	10	7	5	3
Integrated Biomedical Sciences	--	--	11	24	32
Molecular Biophysics/Physiology	3	2	1	1	--
Neuroscience	10	8	6	5	3
Nursing	37	36	30	27	24
Pharmacology	12	9	5	4	3
Professional Doctorate Programs	FA2013	FA2014	FA2015	FA2016	FA2017
Audiology, AuD	49	47	53	59	56
Doctor of Nursing Practice, DNP	395	569	703	721	762
Doctor of Medicine, MD	523	510	509	515	527
Occupational Therapy Doctorate, OTD	--	--	--	--	36
Certificate Programs	FA2013	FA2014	FA2015	FA2016	FA2017
Specialist in Blood Bank	15	17	8	4	7
Post-Graduate Nursing	22	24	13	14	14
Other	FA2013	FA2014	FA2015	FA2016	FA2017
Non-Degree Seeking	47	67	81	74	68
Grand Total	2,280	2,457	2,515	2,503	2,569

Section 4: **Demographics**

4.1 Ethnicity Chart, Fall 2017

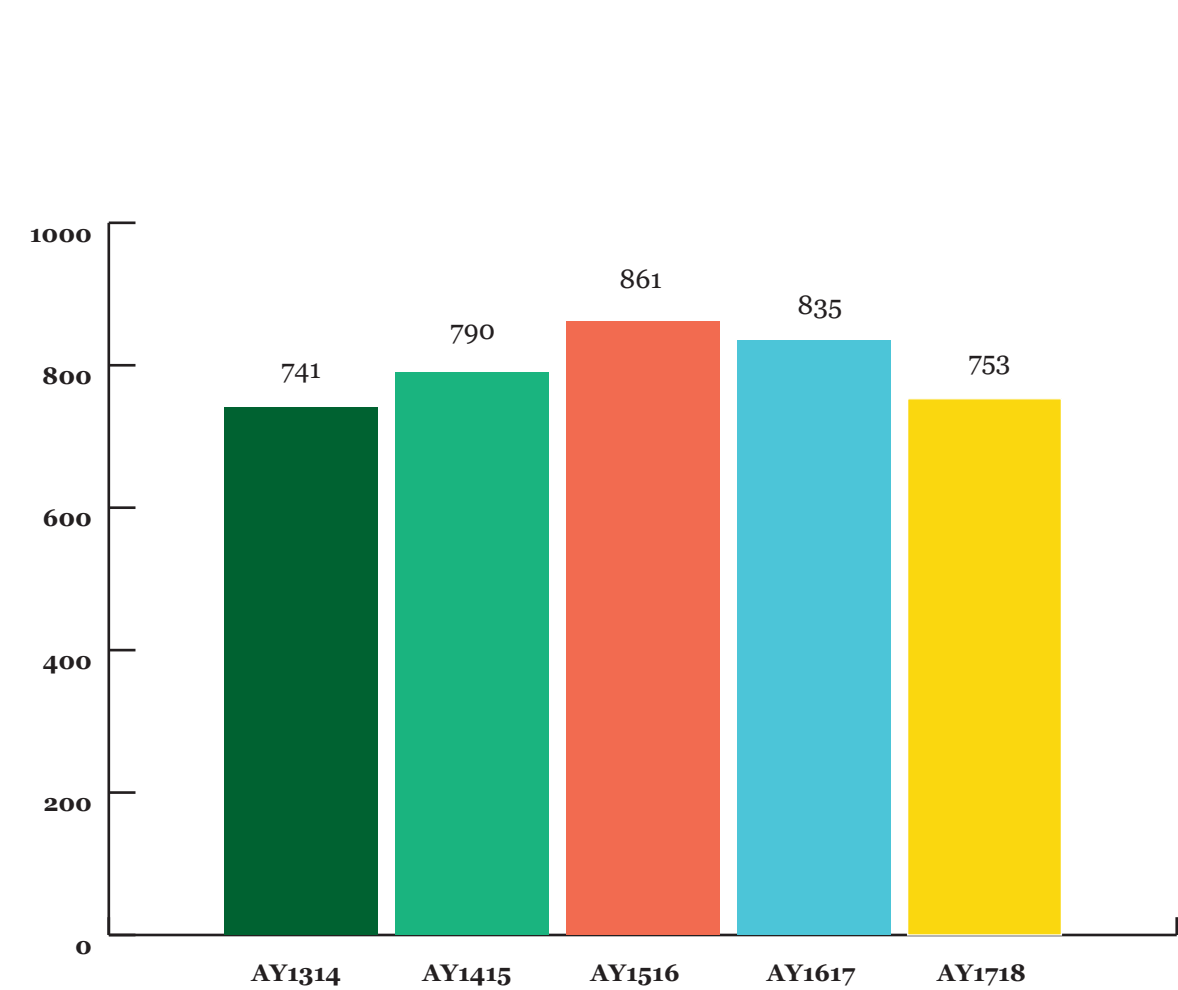


4.2 Enrollment by Program Modality, Fall 2017



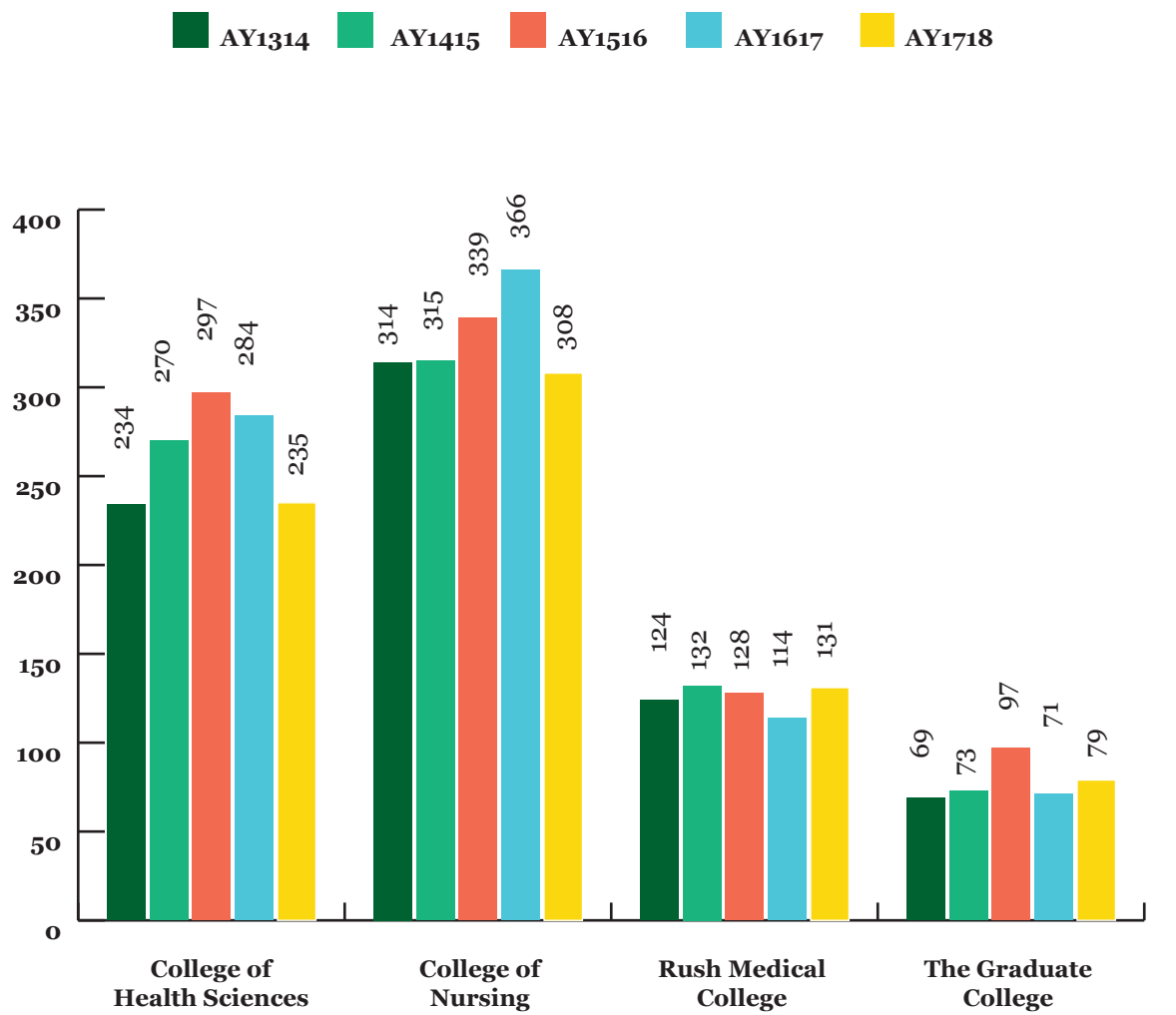
Section 5: **Degrees Awarded**

5.1 Degrees Awarded, AY1314 - AY1718



*Degrees Awarded between July 1 and June 30 of years indicated.

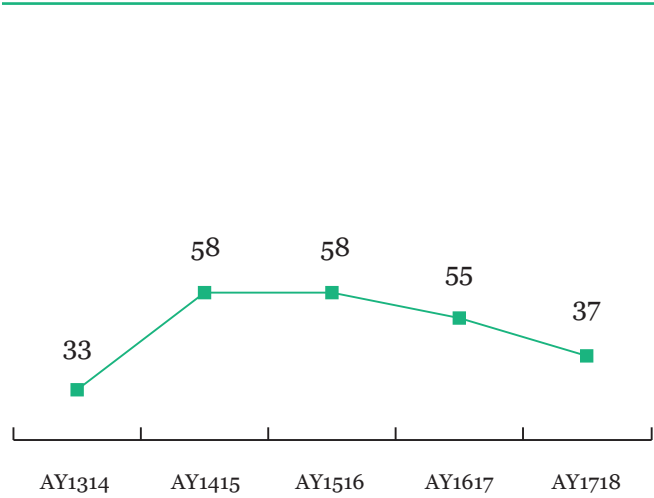
5.2 Degrees Awarded by College, AY1314-AY1718



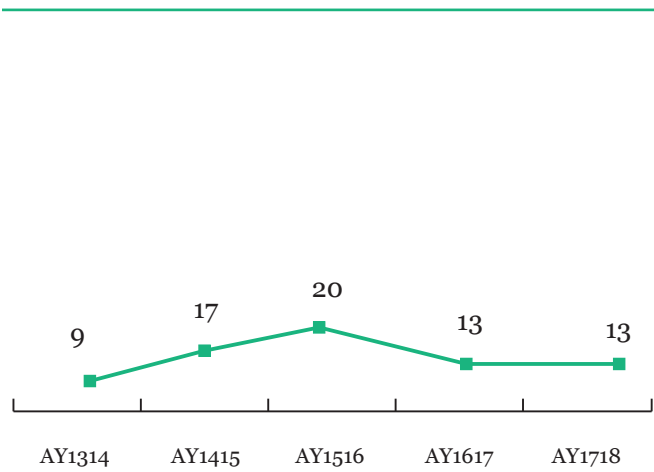
*Degrees Awarded between July 1 and June 30 of years indicated.

5.3 Degrees Awarded by Degree Level, AY1516 - AY1718

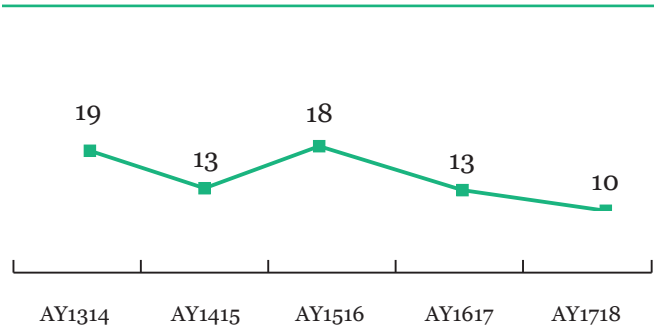
Bachelor’s



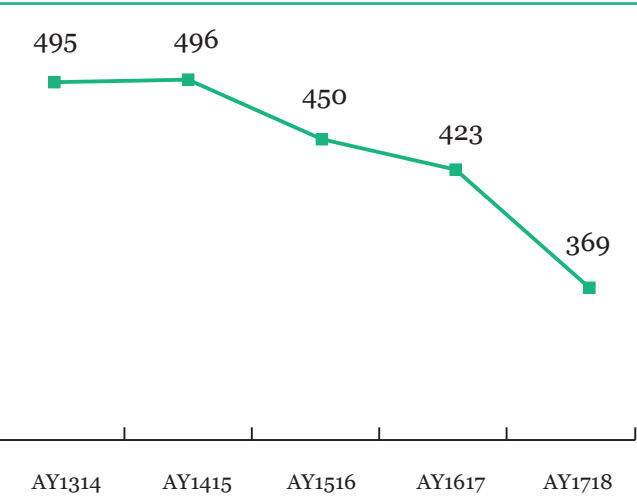
Research Doctorates (PhD)



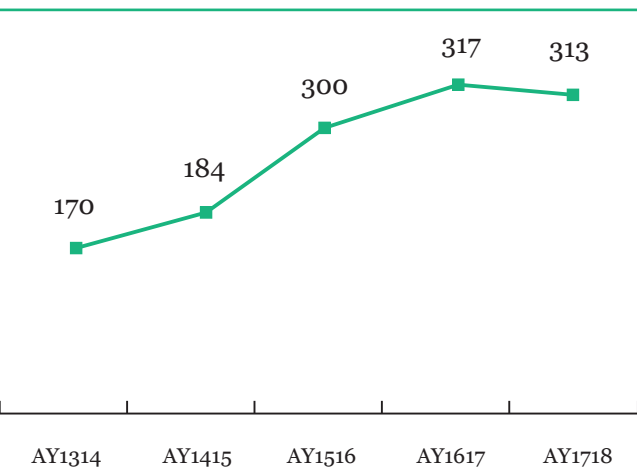
Post-Baccalaureate Certificate



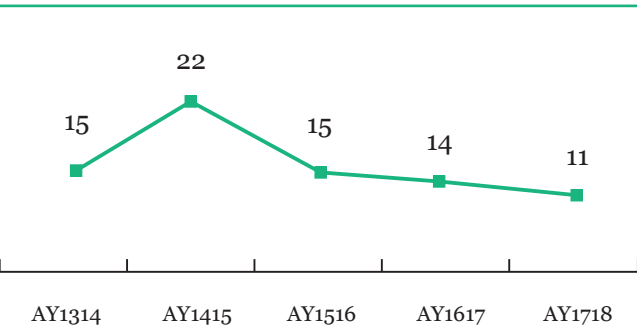
Master’s



Professional Doctorates (AUD, DNP, MD)



Post Graduate Certificate



*Degrees Awarded between July 1 and June 30 of years indicated.

5.4 Degrees Awarded by Degree Level and Program, AY1314 - AY1718

Bachelors Degree Programs	AY1314	AY1415	AY1516	AY1617	AY1718
Cardiovascular Perfusion	--	--	3	4	--
Health Sciences	--	5	9	8	8
Imaging Sciences	5	18	16	7	15
Medical Laboratory Science	14	12	8	19	--
Respiratory Care	1	9	8	2	--
Vascular Ultrasound	13	14	14	15	14
Masters Degree Programs	AY1314	AY1415	AY1516	AY1617	AY1718
Anatomy and Cell Biology	--	2	--	2	--
Biochemistry	1	1	3	--	--
Biomechanics	--	1	2	--	--
Biotechnology	31	31	31	32	34
Cardiovascular Perfusion	10	12	13	15	18
Clinical Laboratory Management	8	10	9	12	16
Clinical Nutrition	16	14	18	15	15
Clinical Research	24	19	38	19	21
Health Systems Management	22	22	22	30	27
Immunology/Microbiology	2	--	--	3	1
Integrated Biomedical Sciences	--	--	--	2	10
Medical Laboratory Science	11	11	11	15	8
Nursing	263	249	164	166	124
Occupational Therapy	31	34	36	37	32
Pharmacology	2	1	3	--	--
Physician Assistant Studies	21	26	28	31	31
Radiological Sciences	--	1	--	--	--
Research Administration	12	7	10	2	--
Respiratory Care	17	31	34	17	4
Speech-Language Pathology	24	24	28	25	28
Doctor of Philosophy (PhD) Programs	AY1314	AY1415	AY1516	AY1617	AY1718
Anatomy and Cell Biology	--	1	2	1	1
Biochemistry	1	1	3	--	--
Biomechanics	--	--	--	1	--
Health Sciences	--	--	1	--	3
Immunology/Microbiology	2	3	3	2	2
Medical Physics	--	1	--	--	--
Molecular Biophysics and Physiology	--	1	--	--	1
Neurosciences	1	1	2	1	1
Pharmacology	4	2	2	2	1
PhD in Nursing	1	7	7	6	4
Professional Doctorate Programs	AY1314	AY1415	AY1516	AY1617	AY1718
Audiology, AuD	10	8	12	17	9
Doctor of Nursing Practice, DNP	36	44	160	186	173
Doctor of Medicine, MD	124	132	128	114	131
Certificate Programs	AY1314	AY1415	AY1516	AY1617	AY1718
Specialist in Blood Bank	19	13	18	13	10
Post-Graduate Nursing	15	22	15	14	11
Grand Total	741	790	861	835	753

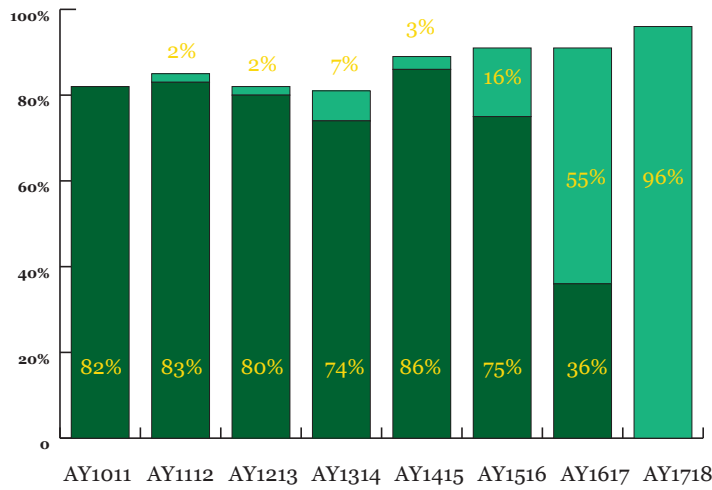
*Degrees Awarded between July 1 and June 30 of years indicated.

Section 6: **Graduation and** **Retention Rates**



6.1 Graduation Rates: AY1011 – AY1718

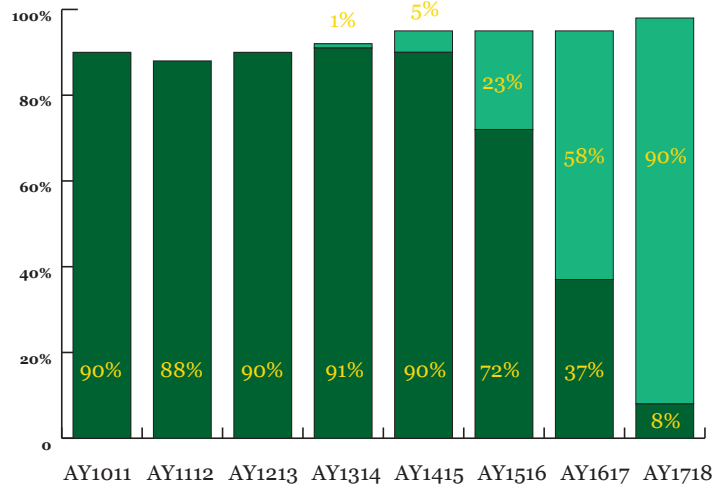
Bachelor’s



Overall, the time to completion for Rush graduates is within the expected completion dates for their respective programs.

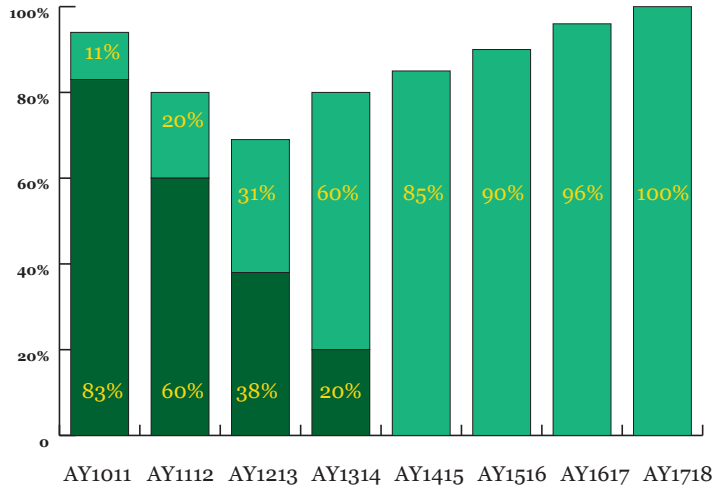
% Active % Grad

Master’s



% Active % Grad

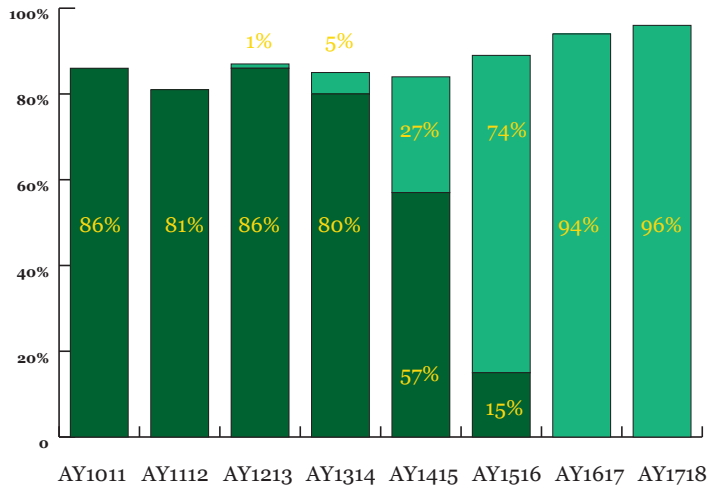
Research Doctorates (PhD)



% Active % Grad

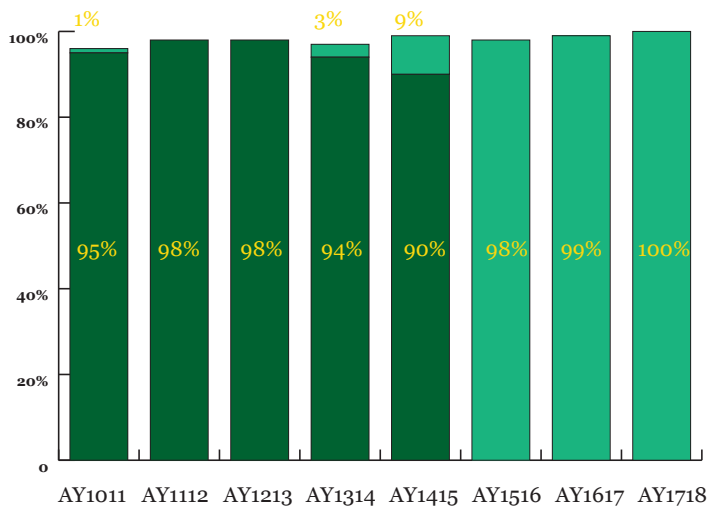
6.1 Graduation Rates: AY1011 – AY1718

Professional Doctorates



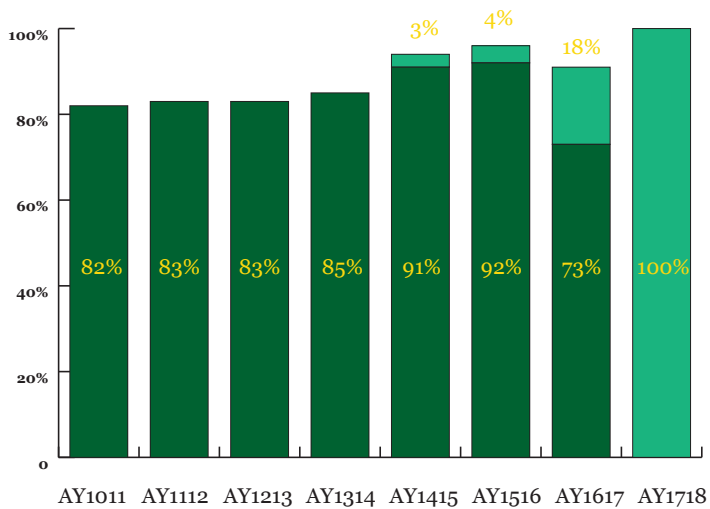
% Active % Grad

MD



% Active % Grad

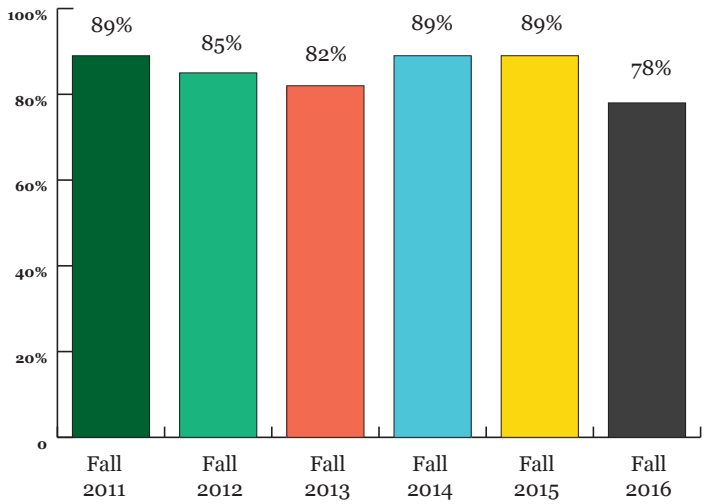
Certificates



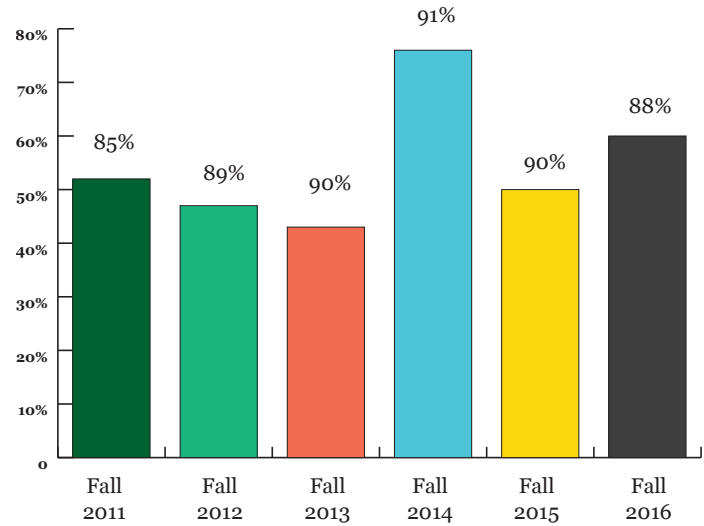
% Active % Grad

6.2 Year-to-Year Retention Rate: Fall 2011 – Fall 2016

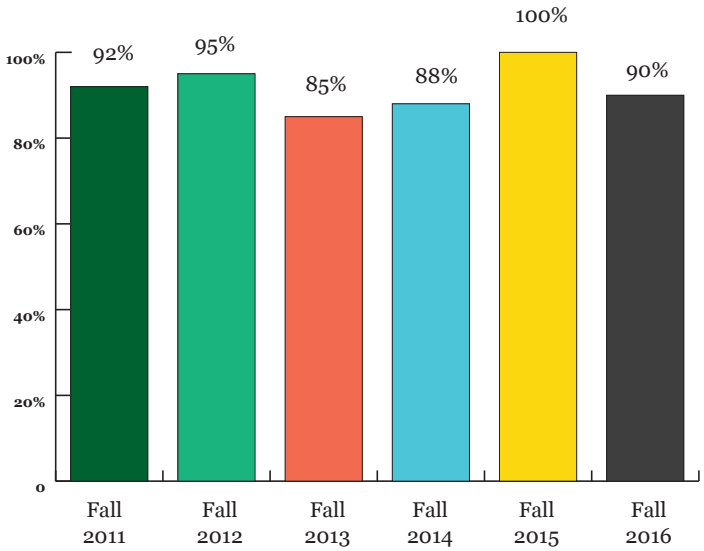
Bachelor's



Master's

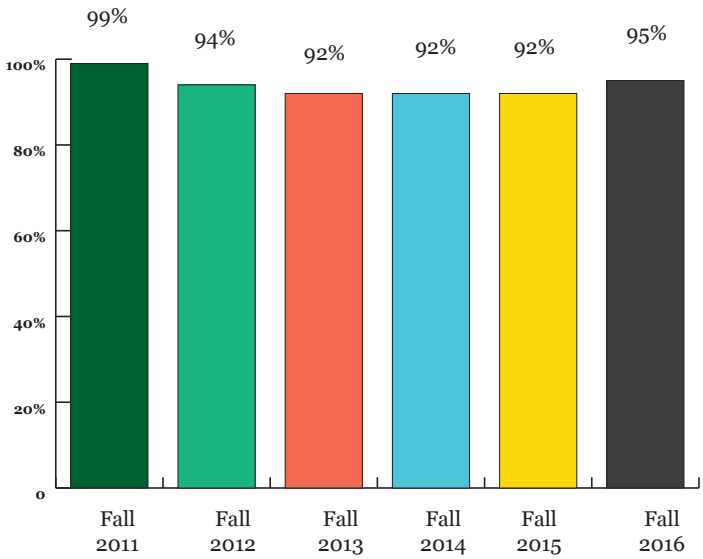


Research Doctorates (PhD)

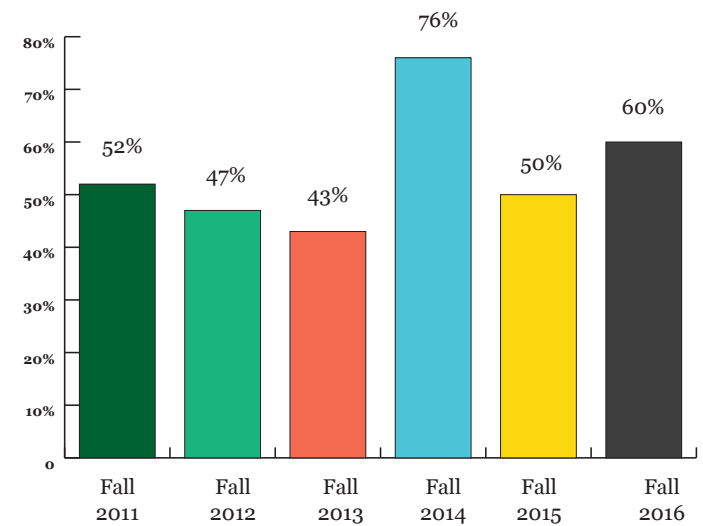


6.2 Year-to-Year Retention Rate: Fall 2011 – Fall 2016

Professional Doctorates



Certificates



Section 7: Licensure/ Certification First-time Pass Rates



7 Licensure/Certification First-time Pass Rate

Overall, the time to completion for Rush graduates is within the expected completion dates for their respective programs.

7.1 College of Health Sciences (CHS)											
Entry Year by Cohort		Fall 11		Fall 12		Fall 13		Fall 14		Fall 15	
	Number Taking the Exam	Percent Passing		Number Taking the Exam	Percent Passing		Number Taking the Exam	Percent Passing		Number Taking the Exam	Percent Passing
Audiology, AuD	7	100%		13	100%		16	100%		--	--
Clinical Nutrition, MS	11	100%		12	100%		12	100%		13	100%
Imaging Sciences, BS	6	100%		4	100%		5	100%		14	100%
Occupational Therapy, MS	32	97%		33	100%		35	100%		34	100%
Medical Laboratory Sciences, BS	10	90%		12	83%		13	85%		5	90%
Medical Laboratory Sciences, MS	16	100%		12	92%		10	100%		11	100%
Perfusion Technology, BS	--	--		--	--		--	--		--	--
Perfusion Technology, MS	--	--		--	--		12	92%		10	90%
Physician Assistant Studies, MS	--	--		--	--		18	100%		21	100%
Respiratory Care, BS	2	100%		2	100%		5	100%		2	100%
Respiratory Care, MS	17	100%		23	100%		16	100%		24	100%
Specialist in Blood Bank, cert	8	75%		13	70%		12	75%		17	65%
Speech Language Pathology, MS	28	100%		22	100%		26	100%		27	100%
Vascular Ultrasound, BS	13	100%		13	100%		14	100%		14	93%
7.2 College of Nursing											
Cohort Testing Date		2012		2013		2014		2015		2016	
	Number Taking the Exam	Percent Passing		Number Taking the Exam	Percent Passing		Number Taking the Exam	Percent Passing		Number Taking the Exam	Percent Passing
Adult/Gero Primary Care NP	19	95%		15	93%		21	100%		15	100%
Adult/Gero Acute Care NP	7	100%		15	100%		8	100%		15	100%
Family NP	24	96%		18	94%		24	100%		25	88%
Neonatal NP	13	85%		10	100%		10	100%		1	100%
Nurse Anesthesia	24	100%		18	87%		29	100%		25	100%
Psych Mental Health Adult/Family NP	32	94%		12	75%		13	85%		12	100%
Pediatric Acute Care NP	17	94%		20	95%		22	95%		14	100%
Pediatric Primary Care NP	17	100%		14	93%		17	100%		15	93%
NCLEX (Prelicensure)	142	99%		149	97%		54	96%		132	95%
7.3 Rush Medical College											
Graduating Class Year		2012		2013		2014*		2015*		2016*	
	Number Taking the Exam	Percent Passing		Number Taking the Exam	Percent Passing		Number Taking the Exam	Percent Passing		Number Taking the Exam	Percent Passing
USMLE Step 3 First Attempt (US Medical Lisc. Exam)	111	99%		128	99%		112	99%		97	100%
										--	--

Note: 1) 2014 and 2015 data are incomplete since the NBME has not yet released summary performance reports for Graduating Classes of 2014 and 2015. 2) 2016 data is not available yet.

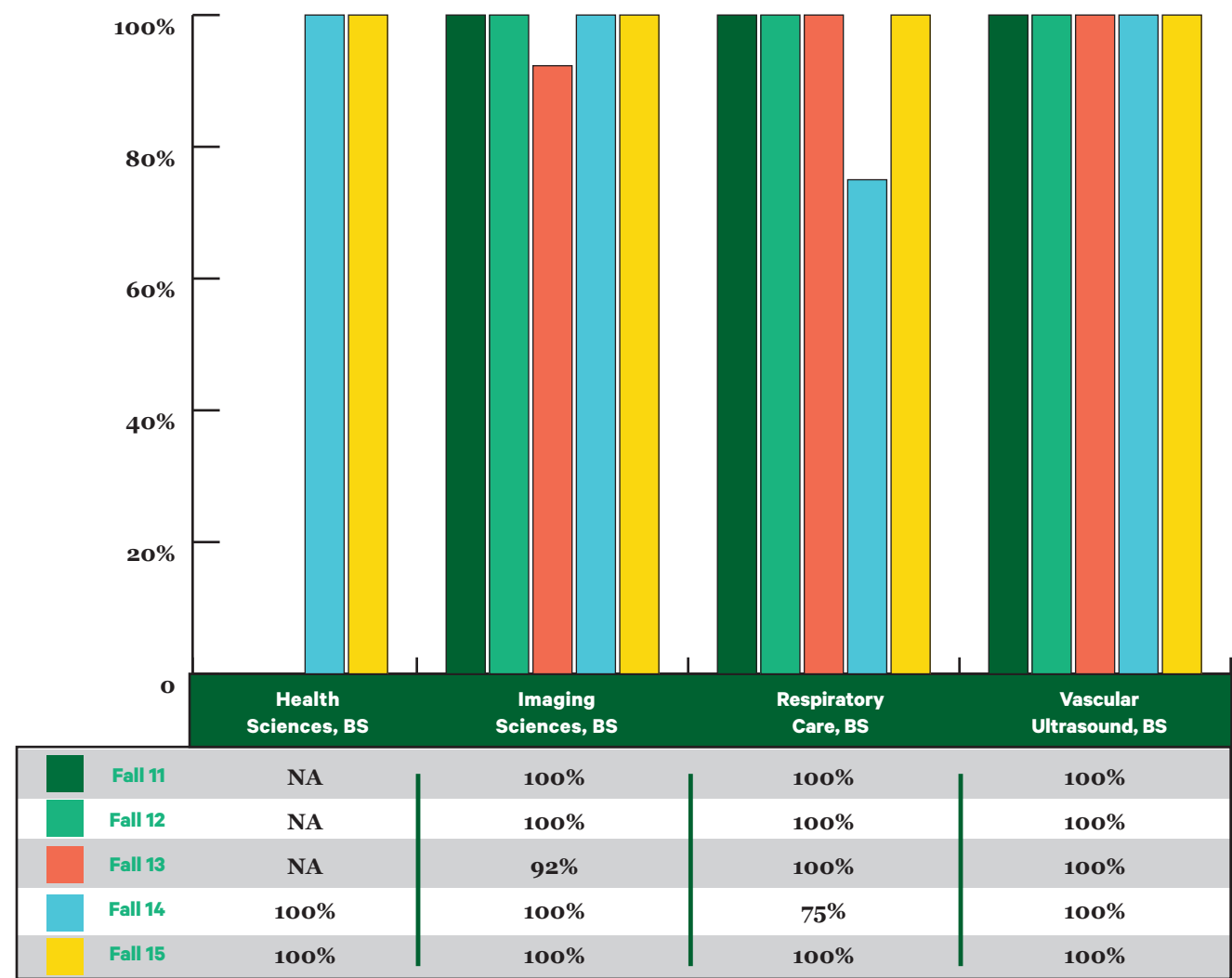


Section 8: Employment Rates



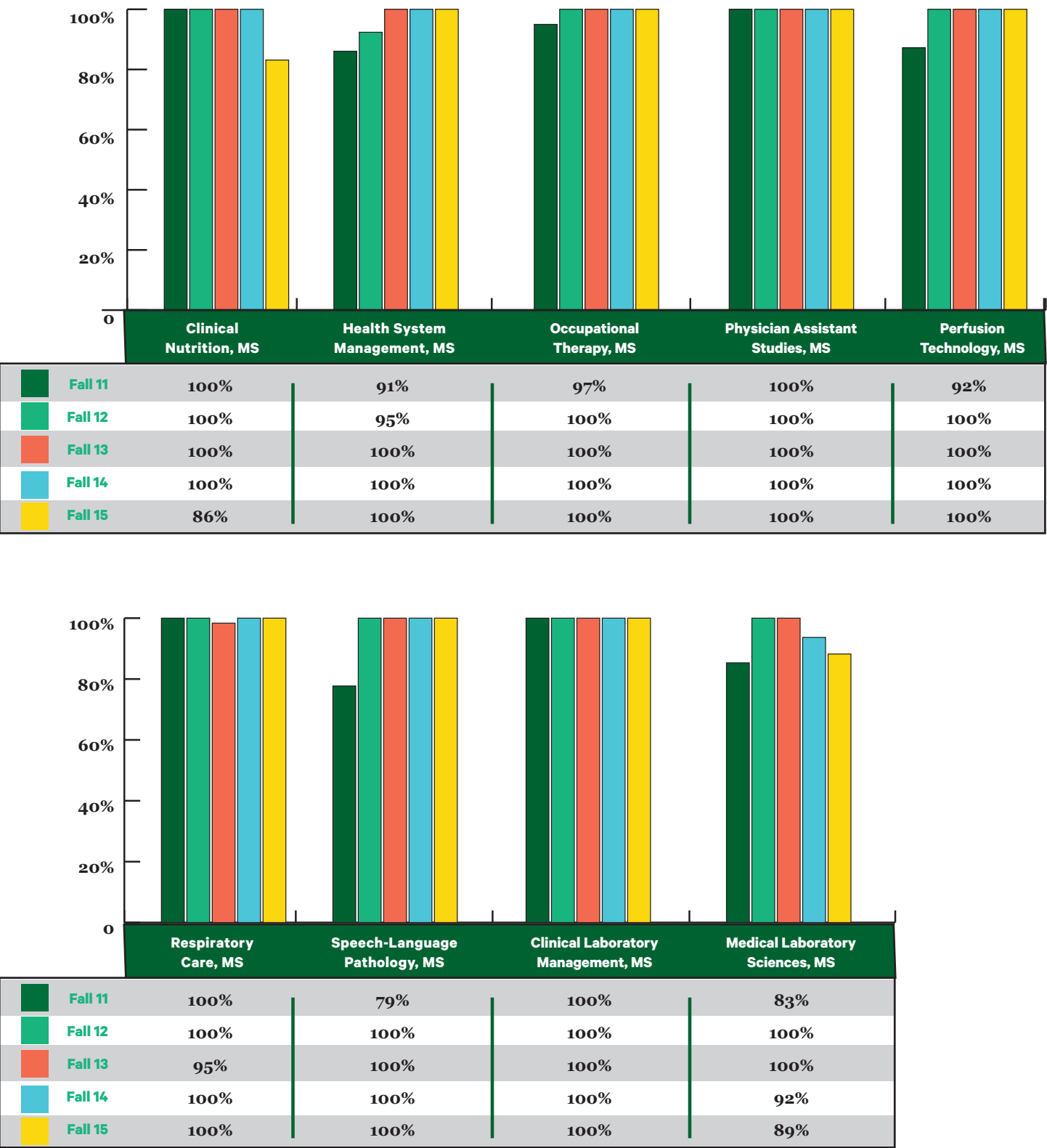
8.1 College of Health Sciences, BS Programs

Employment rates are determined through personal contacts with faculty, advisors, and program directors; self-report on End of Program and Alumni Surveys; and public record from Linked In and social media searches. Employment rates are calculated for those who are actively seeking employment, and do not include students who are enrolled in educational programs to pursue a higher degree. For medical students, residency match rates are collected.

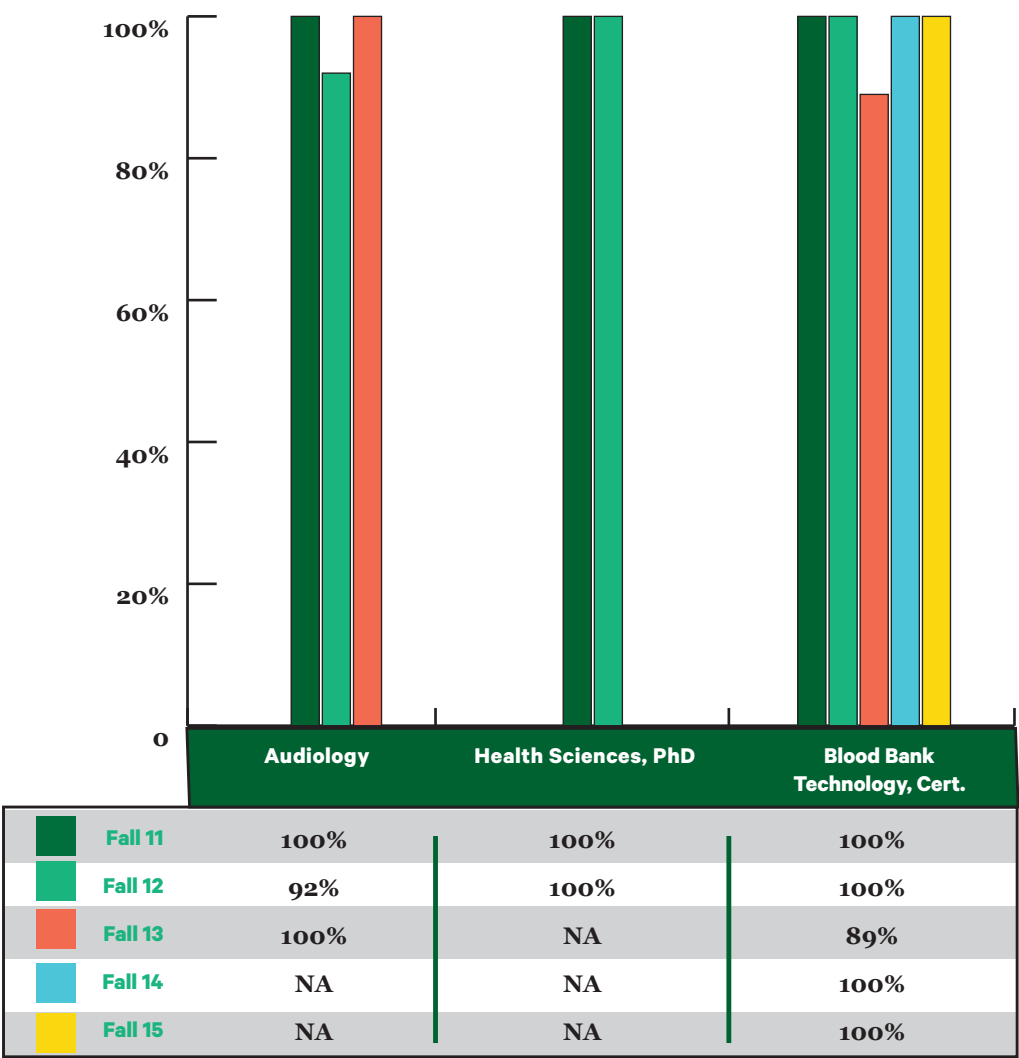


*Health Science, BS students continued for further study.

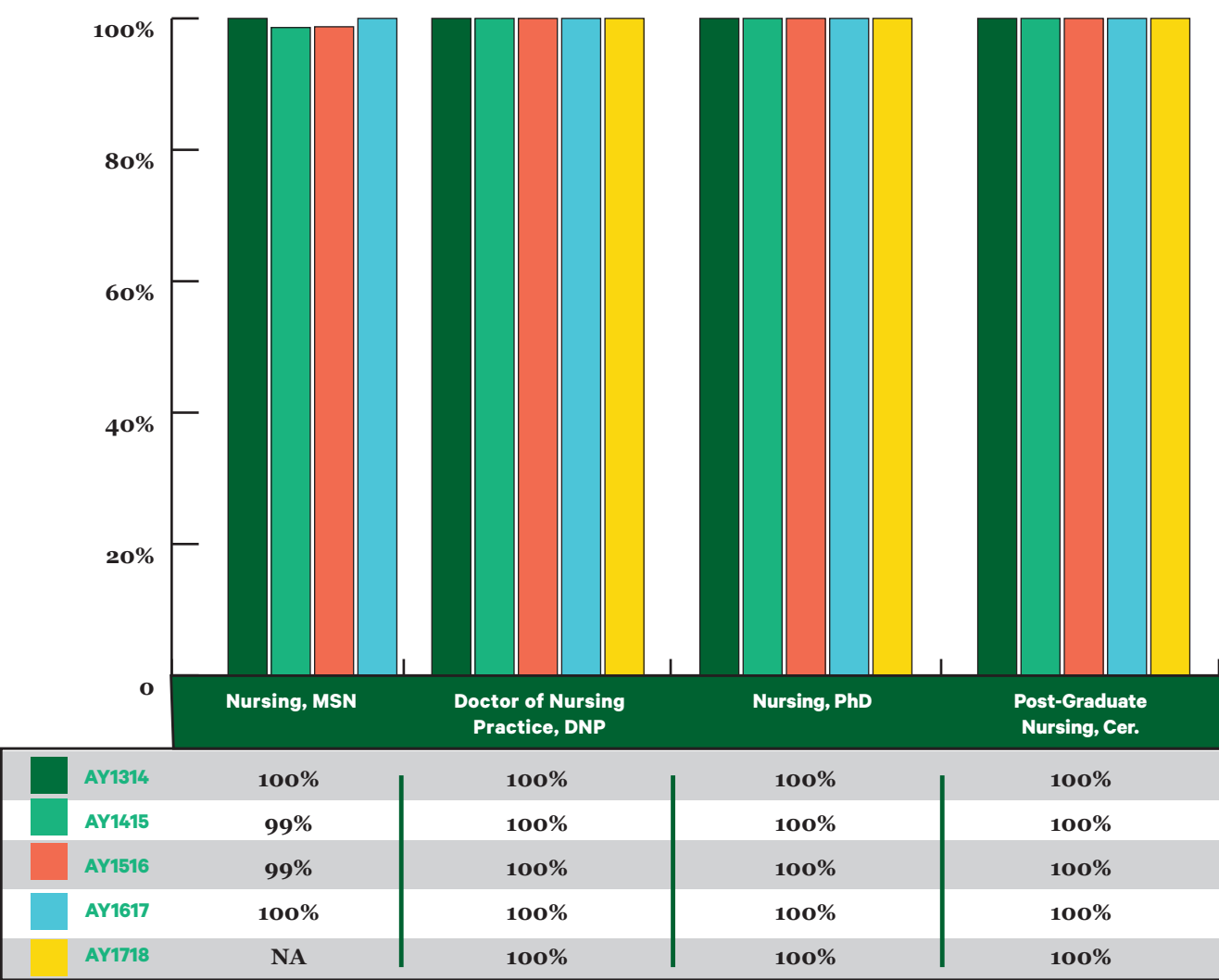
8.2 College of Health Sciences, MS Programs



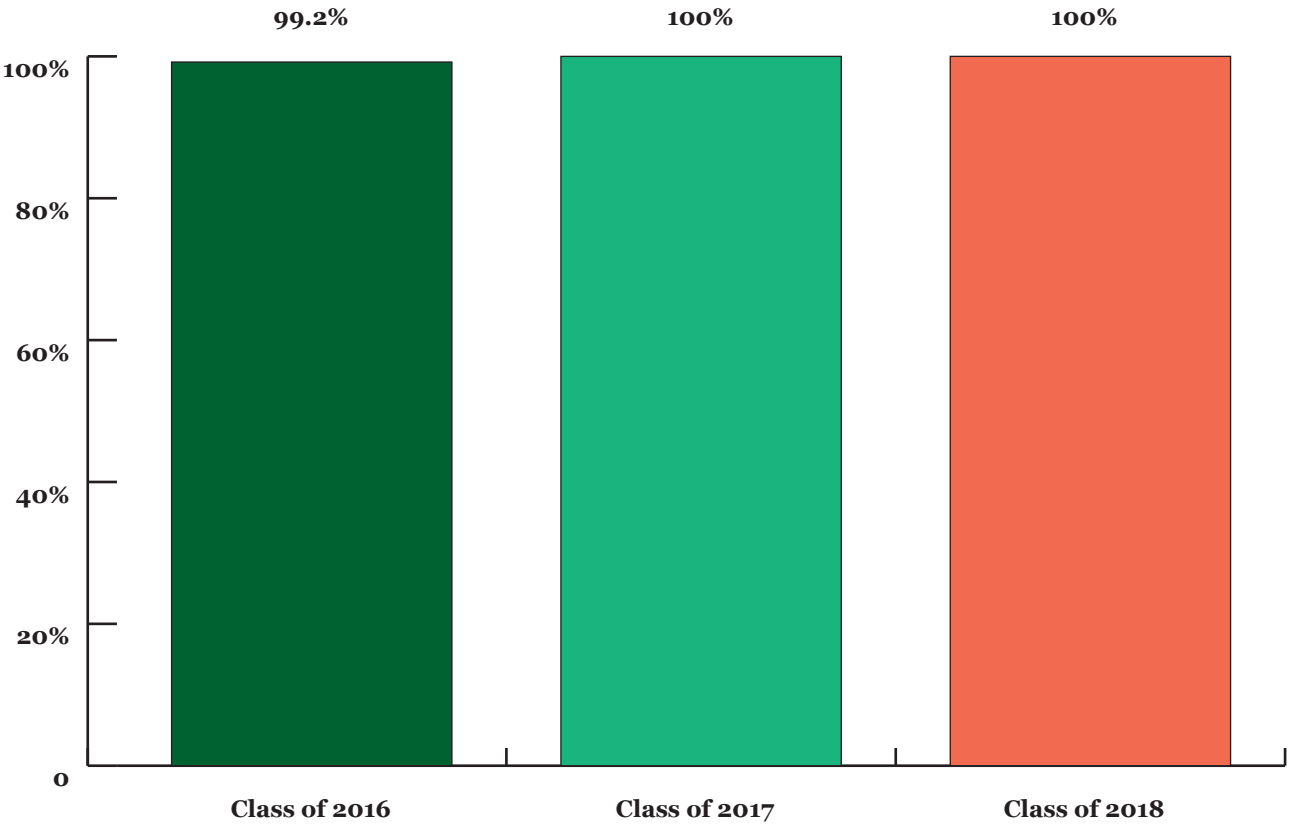
8.3 College of Health Sciences, Audiology, PhD, and Certificate Programs



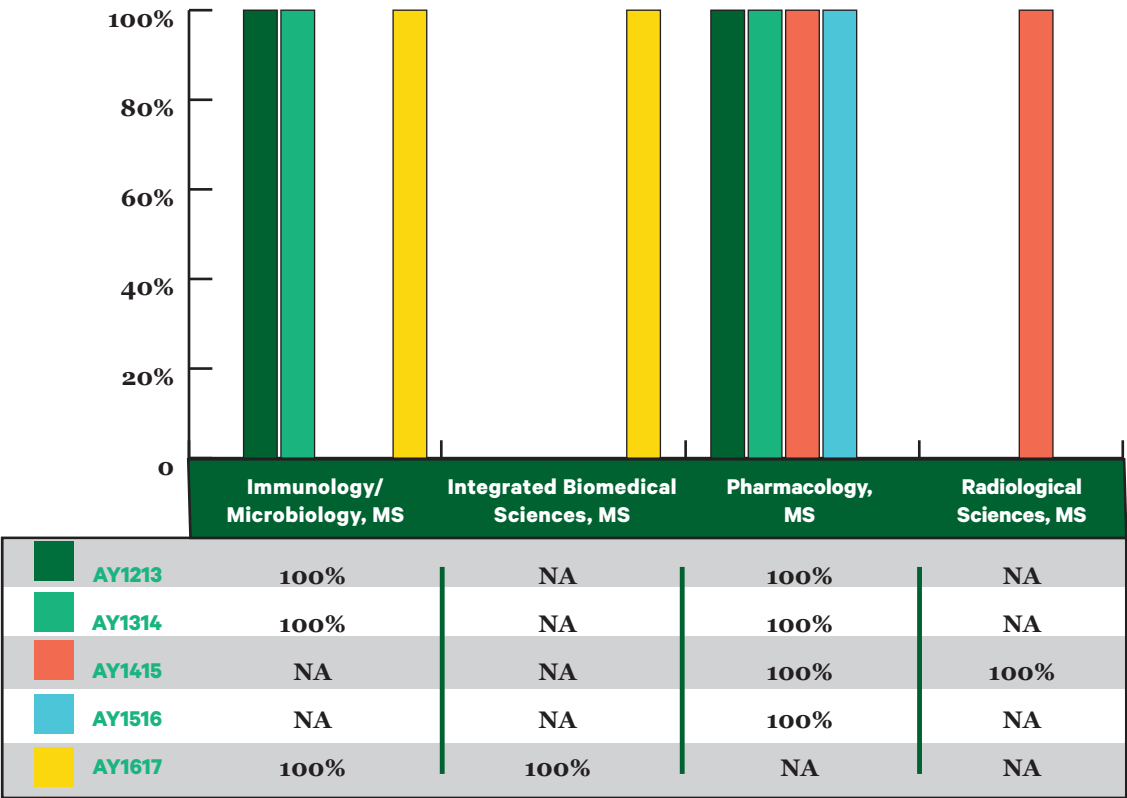
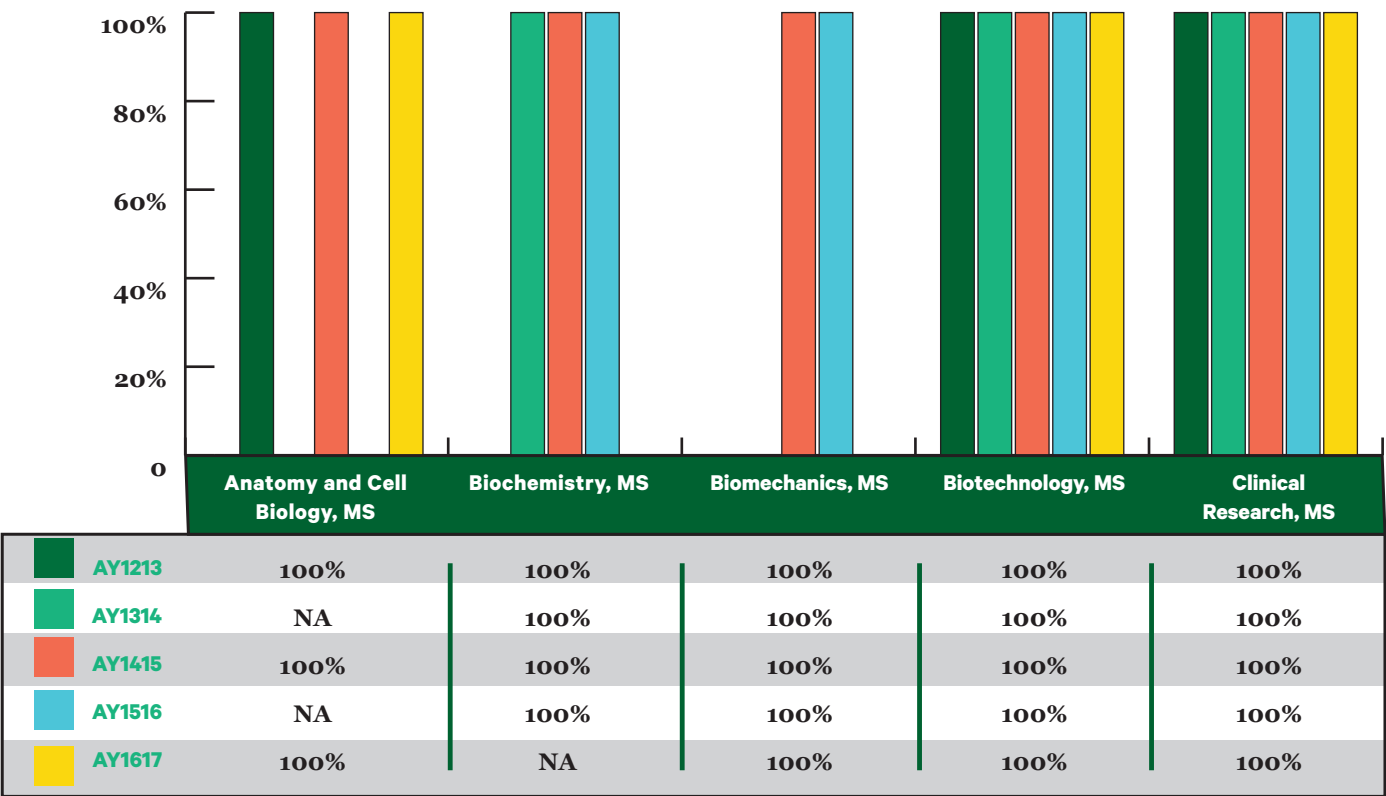
8.4 College of Nursing Programs, Employment Rates



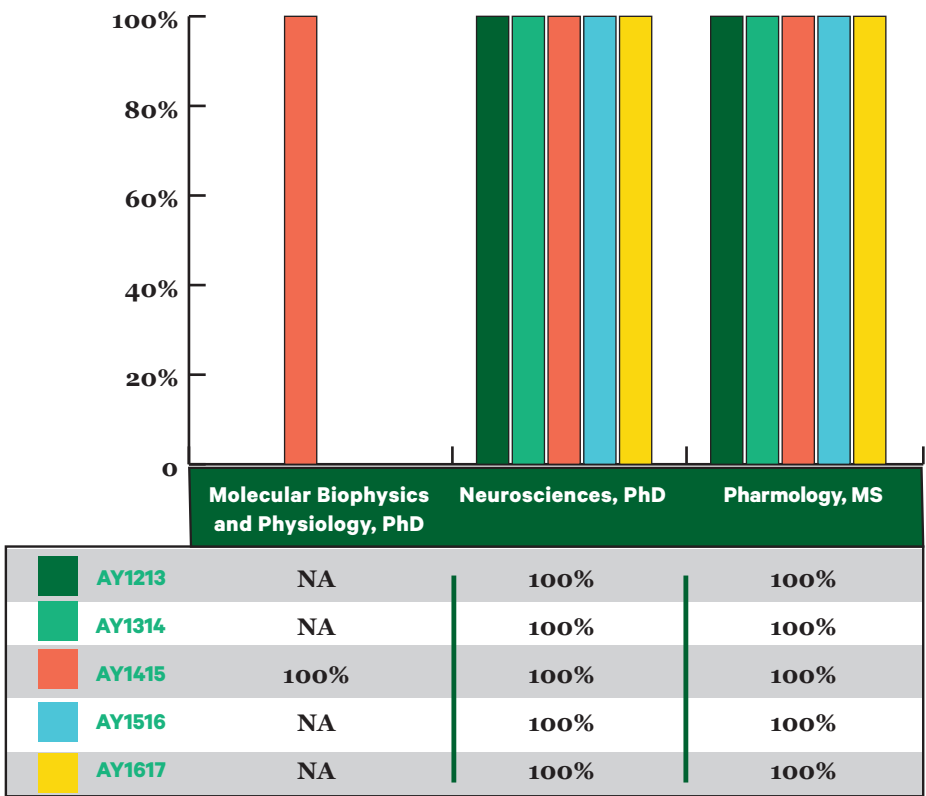
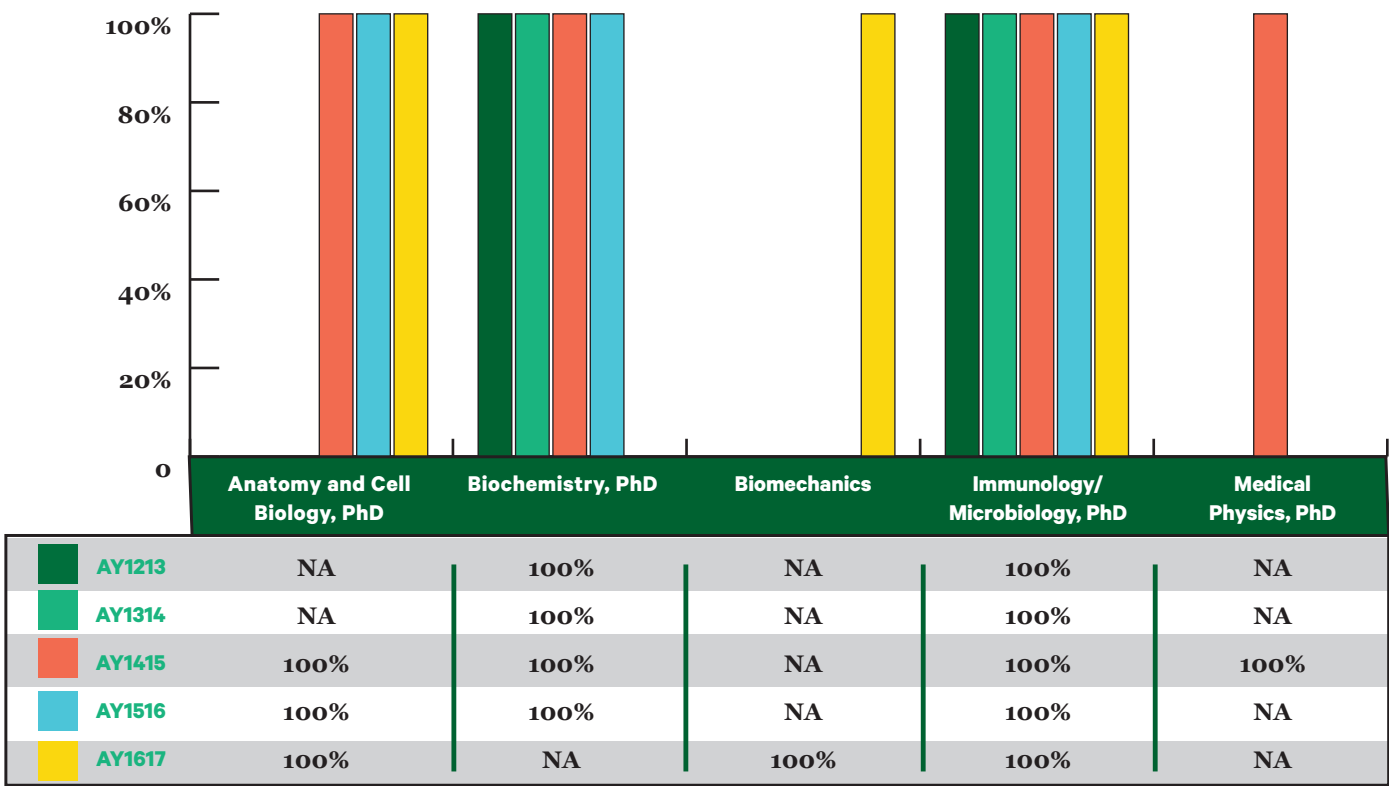
8.5 Rush Medical College, Matched Rates



8.6 The Graduate College, MS Programs



8.7 The Graduate College, PhD Programs



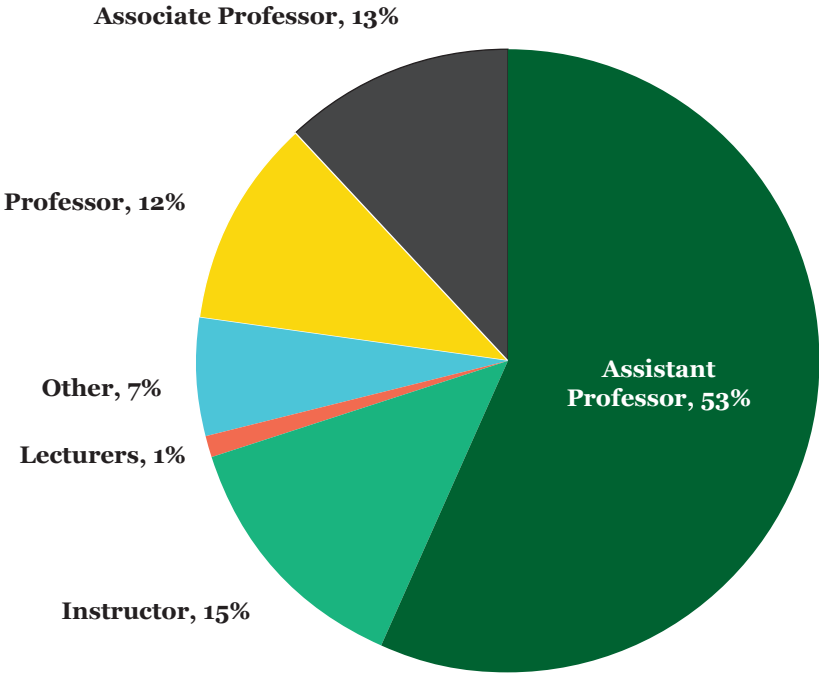


Section 9: Faculty



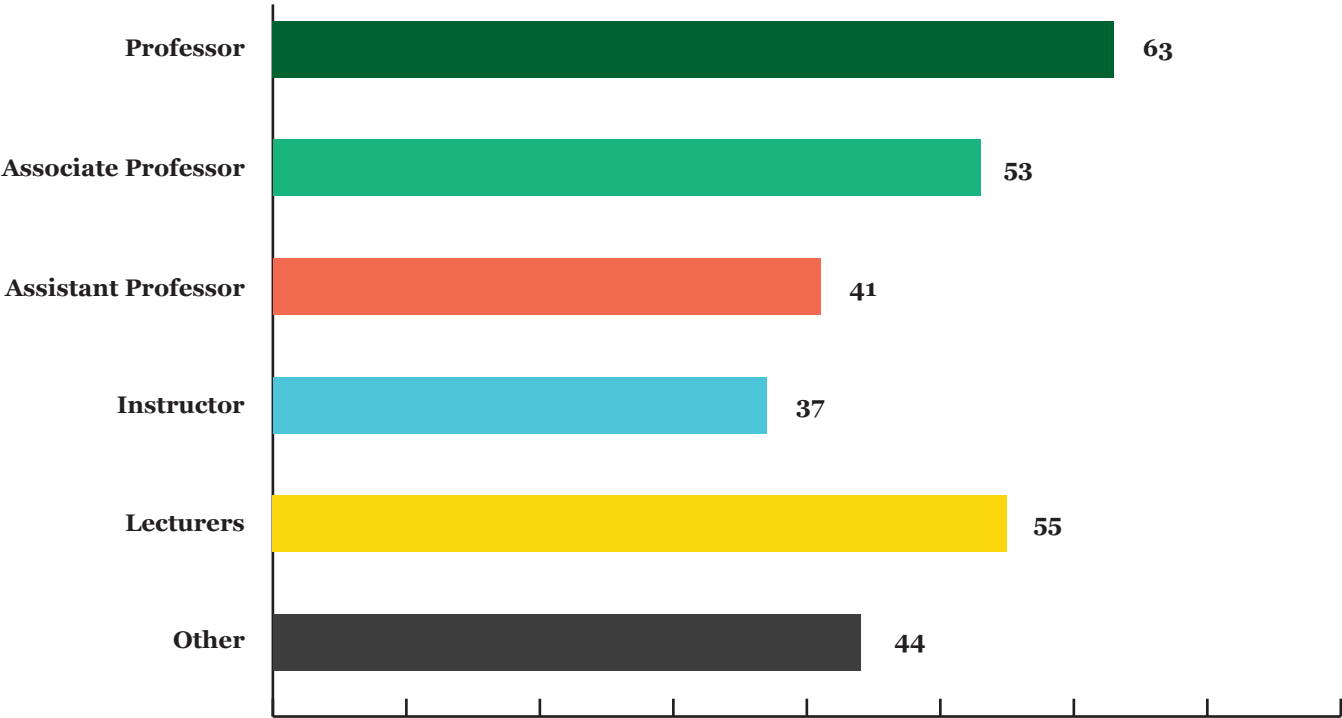
9.1 Faculty by Rank Type, Fall 2017

- 82% of the total faculty are full-time
- 57% of the Rush faculty are female.



*Other category includes Adjunct, Professor Emeritus/Emerita, and Visiting faculty.

9.2 Faculty Median Age by Rank Type





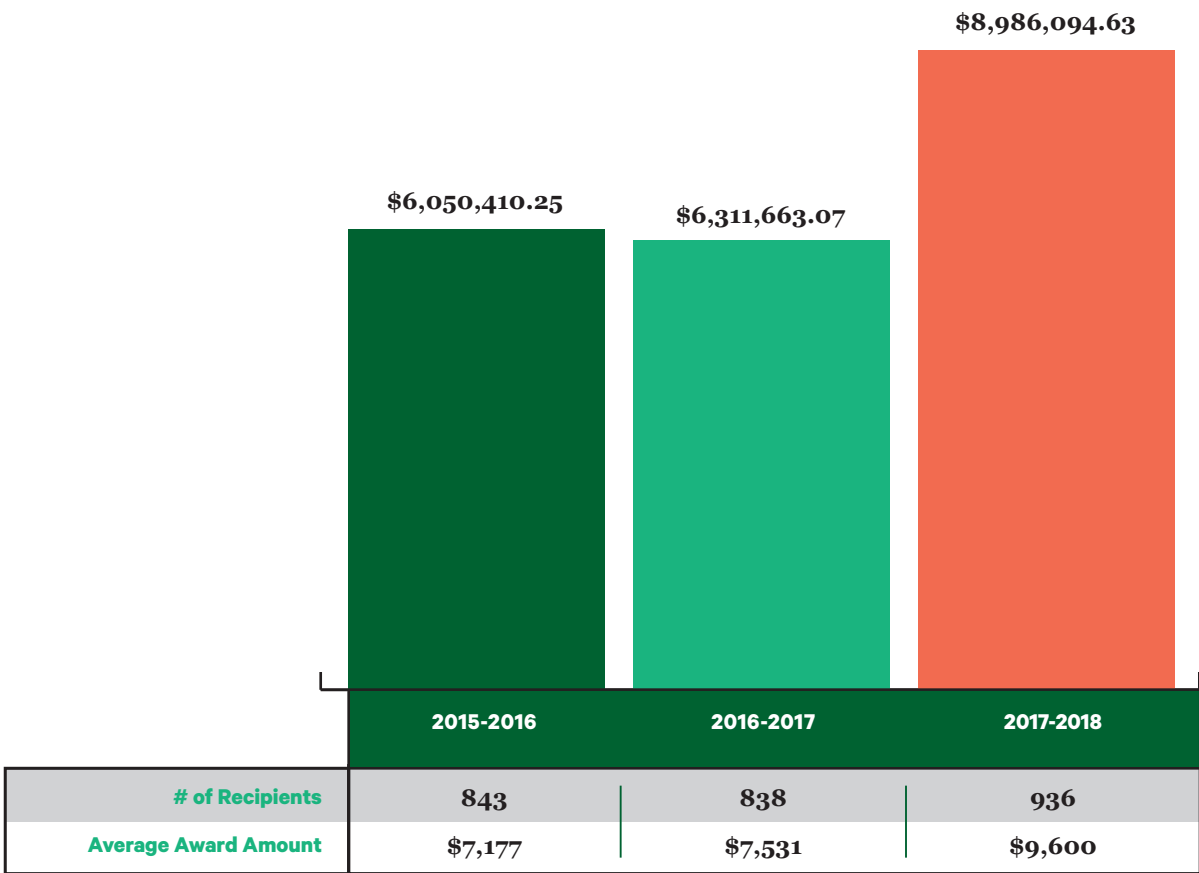
Section 10: Financial Aid Data



10.1 Institutional Grants and Scholarship Awarded: Last Three Years

- In 2017-2018,
- 2226 (87%) students received some form of financial assistance
 - \$72,177,585.82 of total financial assistance awarded
 - 1042 (41%) students did not borrow any loans (federal, state, institutional, or private)

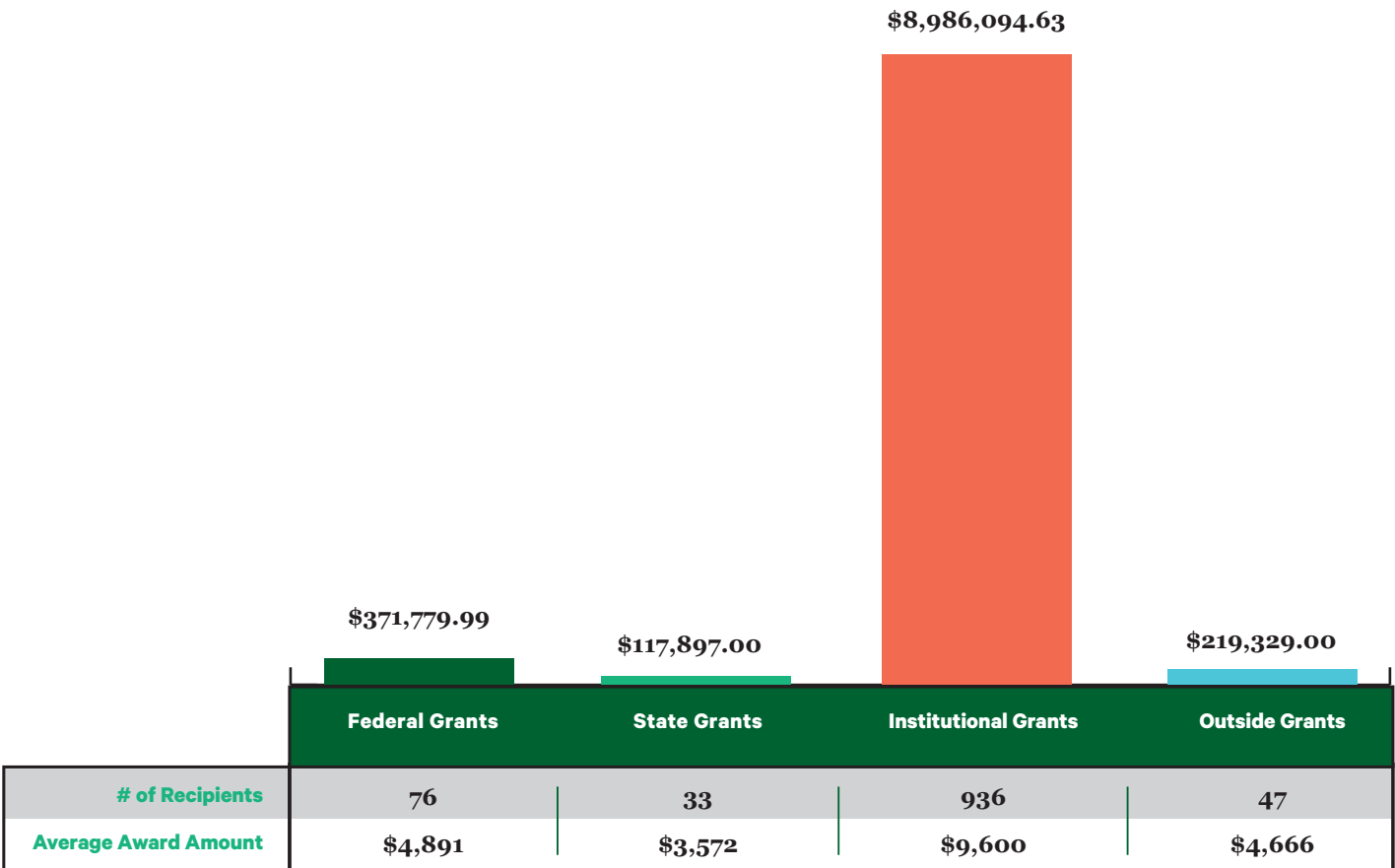
Total Amounts Awarded



10.2 Grants and Scholarship Awarded: 2017 – 2018

- The majority of the institutional scholarships come from funded endowments and donor scholarships.
- 936 students received scholarships at an average of \$9,600 per student.
- The University continues to increase scholarship support for students on an annual basis.

Total Amounts Awarded



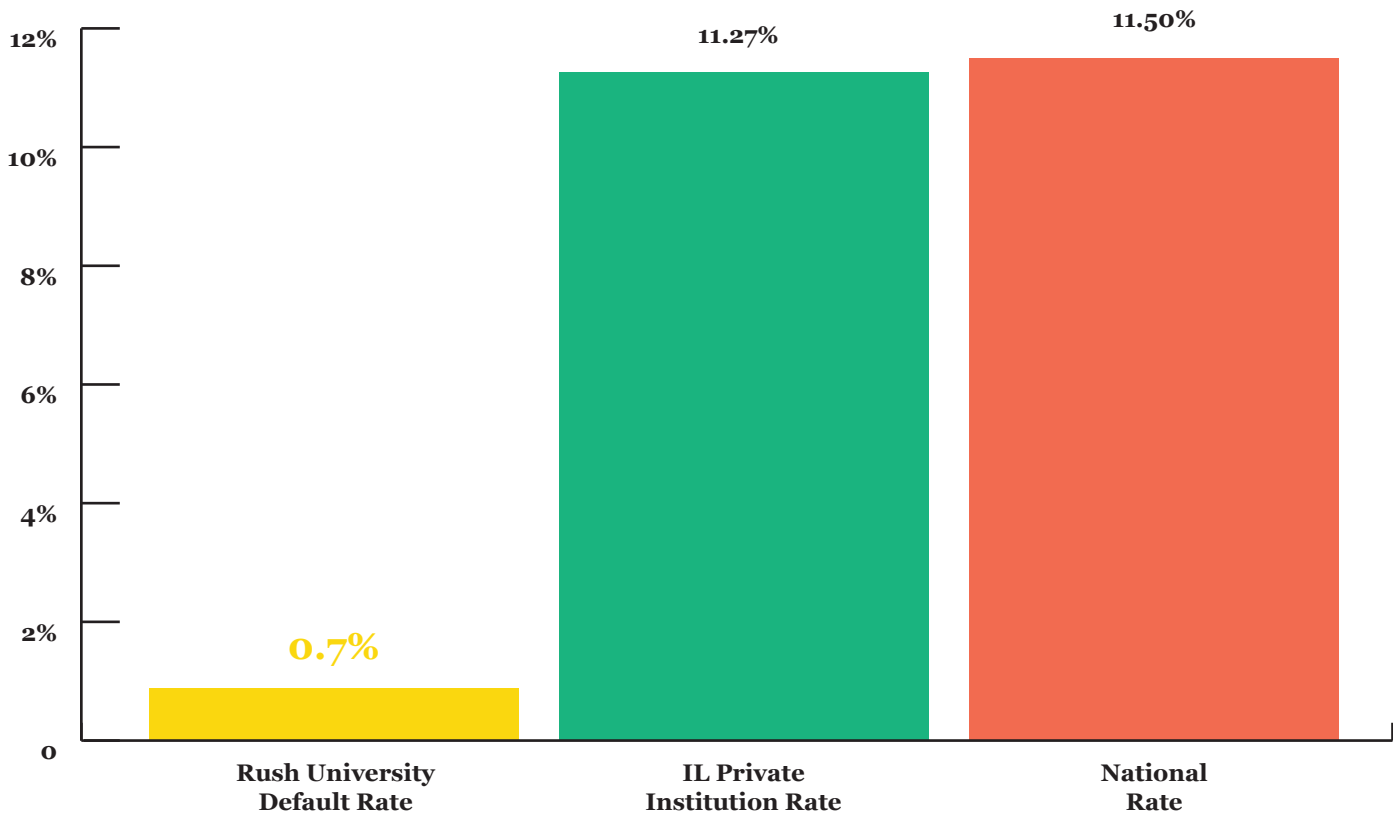
10.3 Loans Borrowed: 2017-2018

- Federal student loans provide the majority of student financial support at Rush.
- Rush students have access to a variety of additional funding sources including institutional scholarships and employees can participate in the institutional tuition waiver program.
- The majority of Rush students participate in extensive exit counseling session prior to graduation that provides detailed information about student debt and future repayment options.

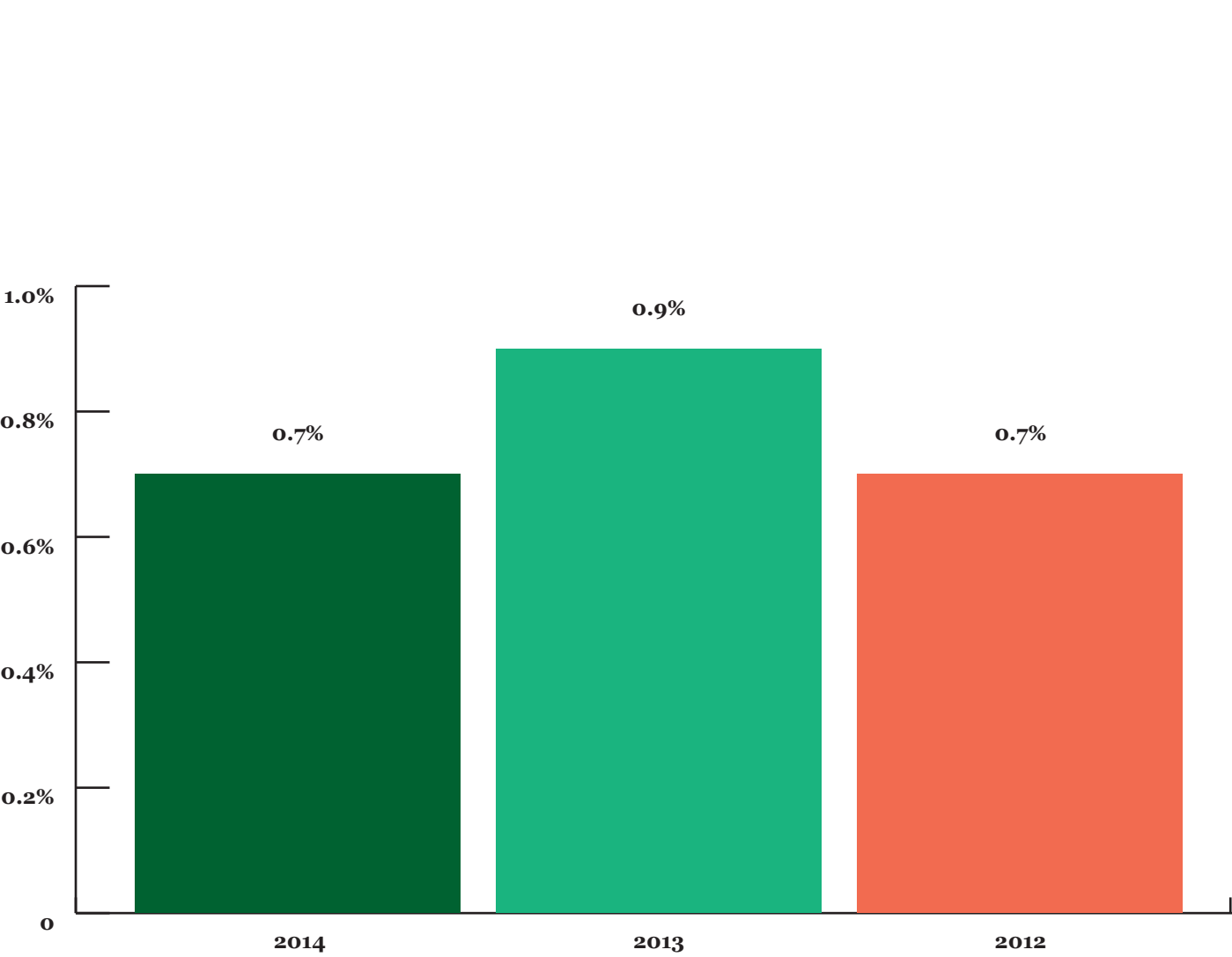
Loans Borrowed (17/18)	Total Amount Awarded	# of recipients	Avg. Award per Recipient
Federal Direct Subsidized/Unsubsidized Loans	\$38,145,159	1479	\$25,791
Federal Direct Graduate PLUS loans	\$13,463,188	870	\$15,475
Federal Direct Parent PLUS loans	\$11,540	2	\$5,770
Federal Nurse Faculty Loan	\$161,873	10	\$16,187
Federal Nursing Loan	\$89,895	63	\$1,427
Federal Perkins Loan	\$49,334	13	\$3,795
Private Loans	\$611,864	37	\$16,537
Rush Institutional Loans	\$2,529,238	410	\$6,169
Total Loans Borrowed (unduplicated)	\$55,062,091	1527	\$36,059

10.4 Cohort Default Rate 2014, Comparison with State and National Rate

A cohort default rate is the percentage of a school’s borrowers who enter repayment on certain Federal Family Education Loan (FFEL) Program or William D. Ford Federal Direct Loan (Direct Loan) Program loans during a particular federal fiscal year (FY), October 1 to September 30, and default or meet other specified conditions prior to the end of the second following fiscal year.



10.5 Rush University Cohort Default Rate for Most Recent 3 Years



*DOE has not published a cohort year newer than 2014 yet. Draft 2015 are available and can be provided but the actual 2015 rates will be published in September 2018.

10.6 Graduating Student Debt

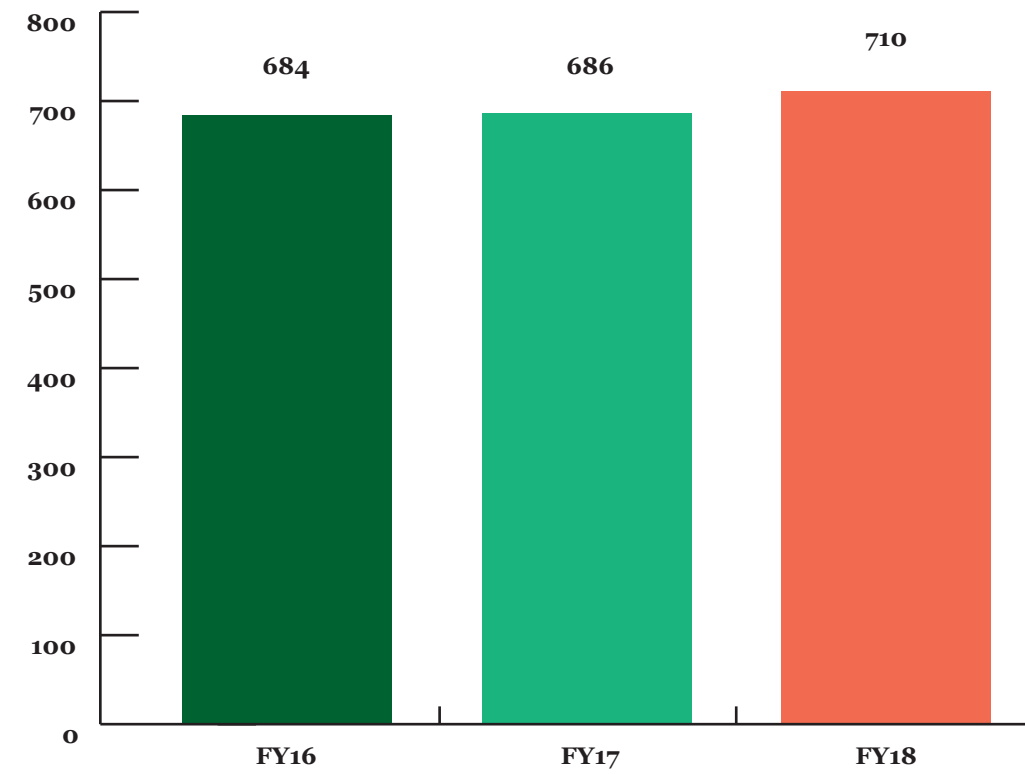


Section 11: Graduate Medical Education Residents

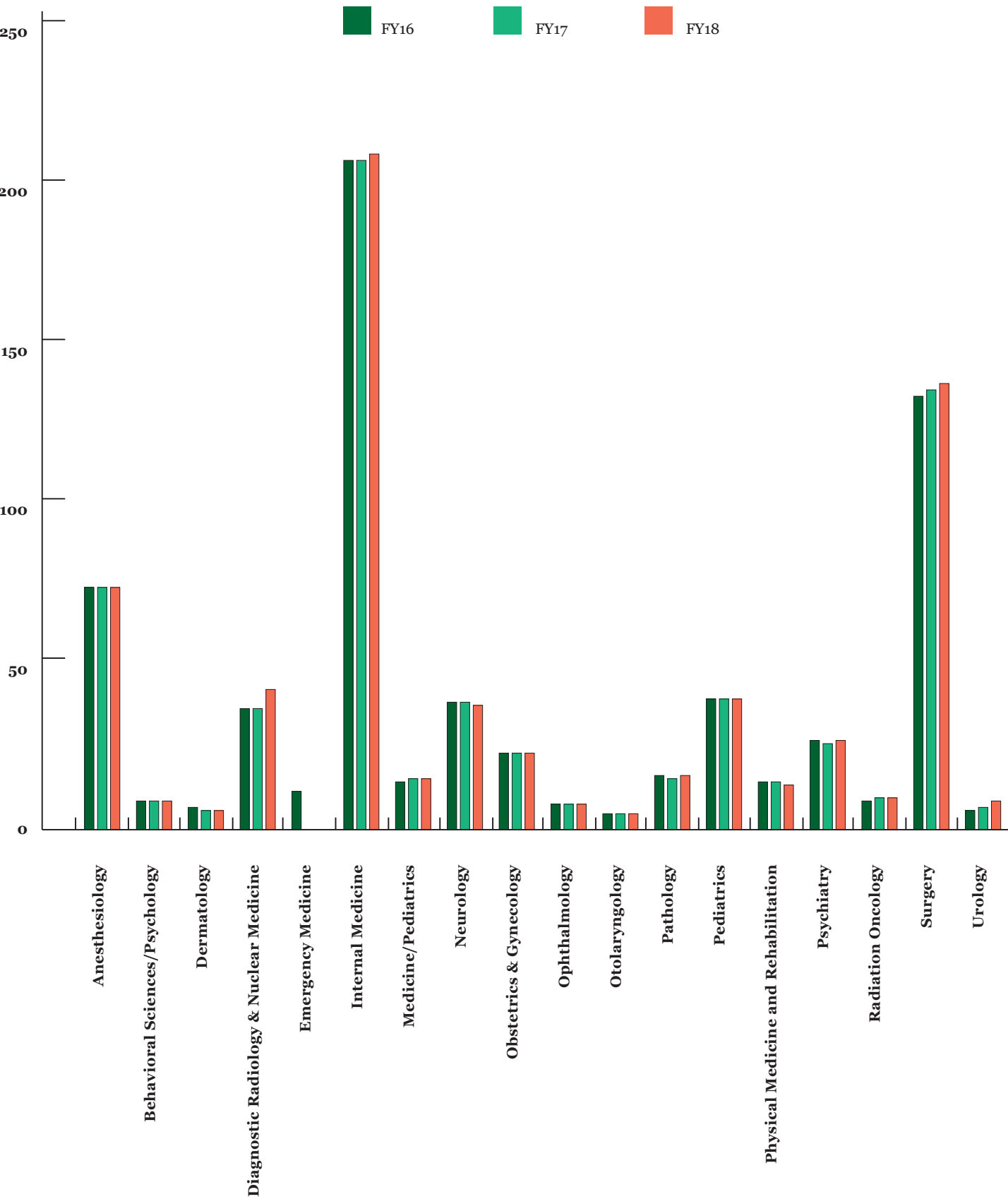


11.1 Total Graduate Medical Education Residents

Rush University Medical Center offers more than 60 Graduate Medical Education Residency programs for physicians pursuing graduate specialty education.



11.2 Number of Residents by Program





Section 12: Community & Civic Engagement



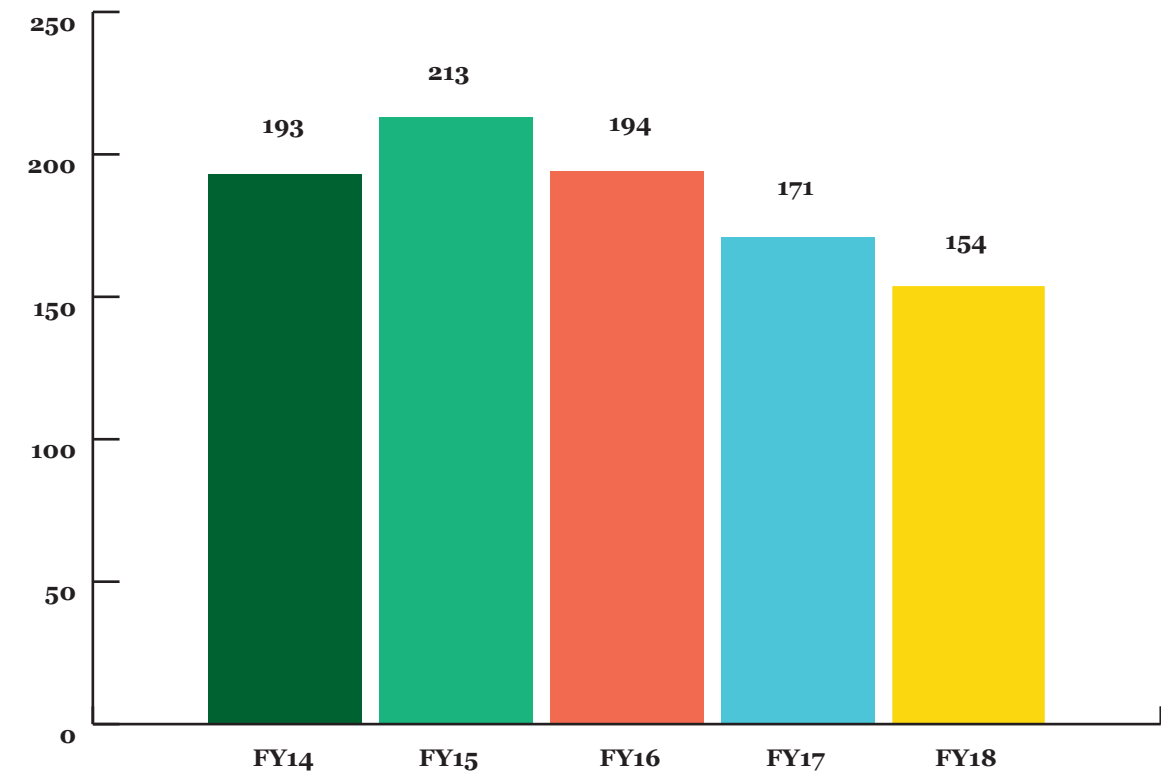
Rush Community Service Initiatives Program (RCSIP)

RCSIP Programs	FY15	FY16	FY17
# of Community Programs	27	27	27
# of Service Hours	7422	28619	5864
# of Participants	2001	1935	2100

Through the Rush Community Service Initiatives Program, there is an opportunity for Rush University students, faculty, residents, fellows and staff to use their distinct skills and talents to make a difference in our community and beyond.

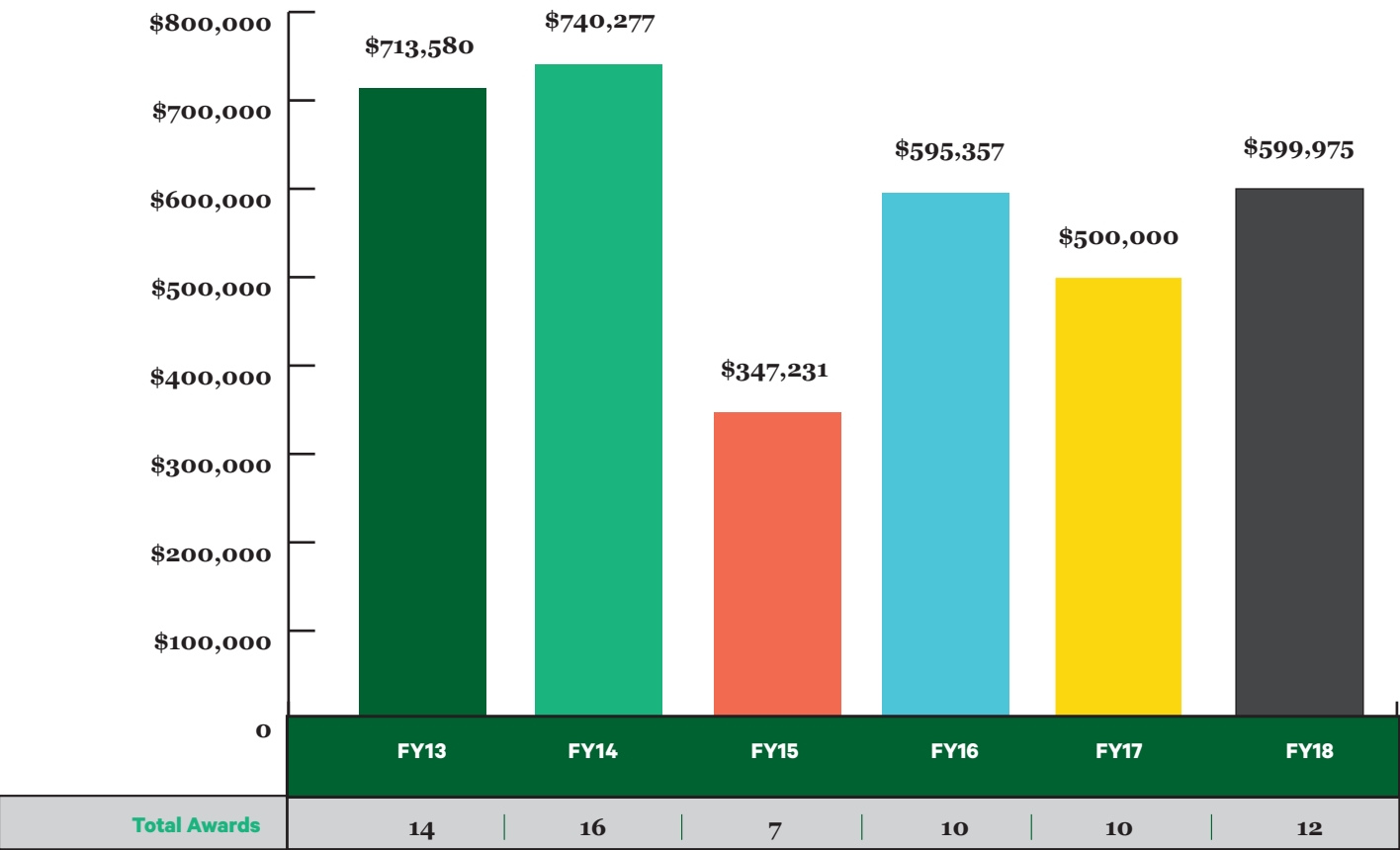
Section 13: **Grants &** **Research**

13.1 Total Number of Grant Applications* Submitted

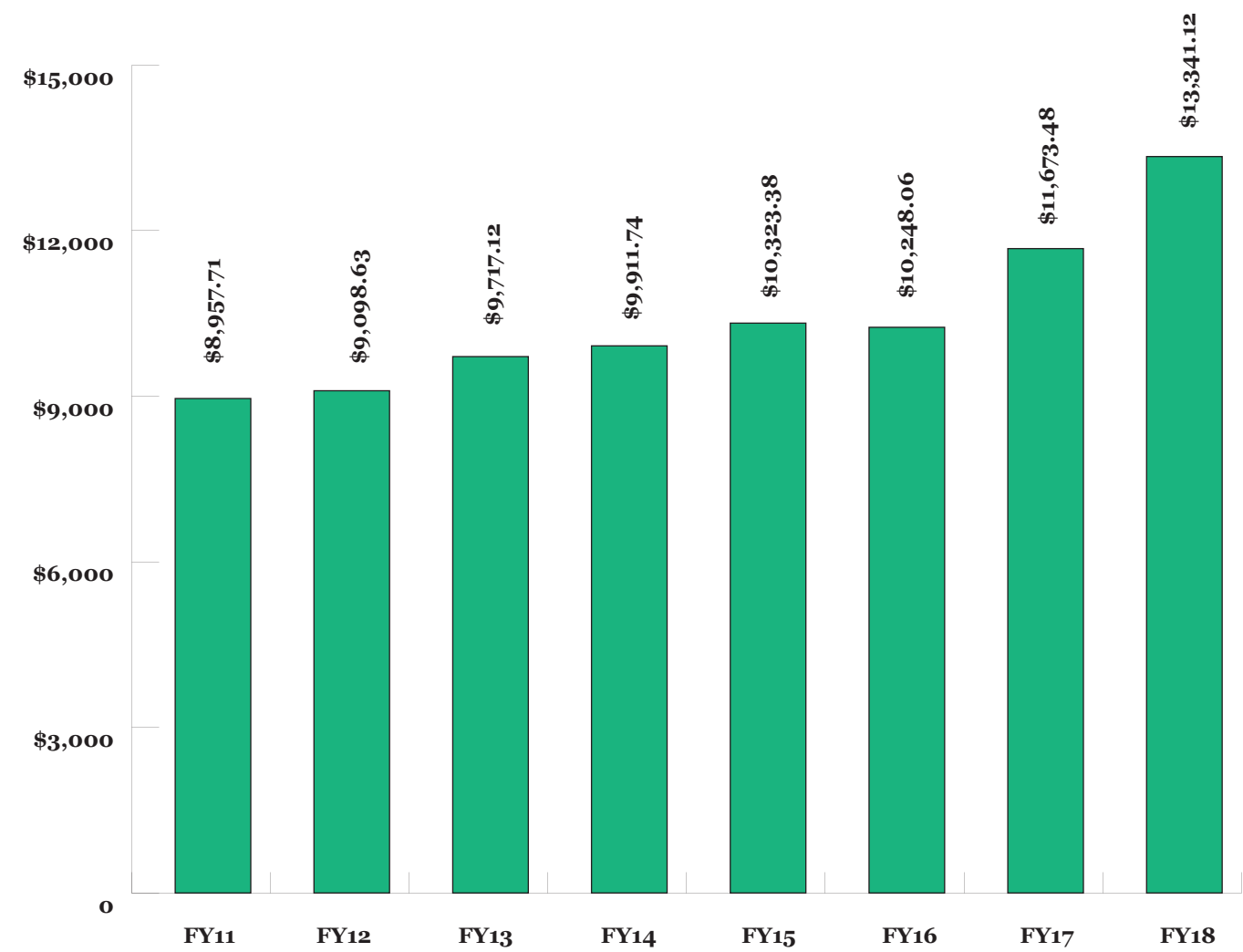


*This include new, renewal, resubmission, and revision applications.

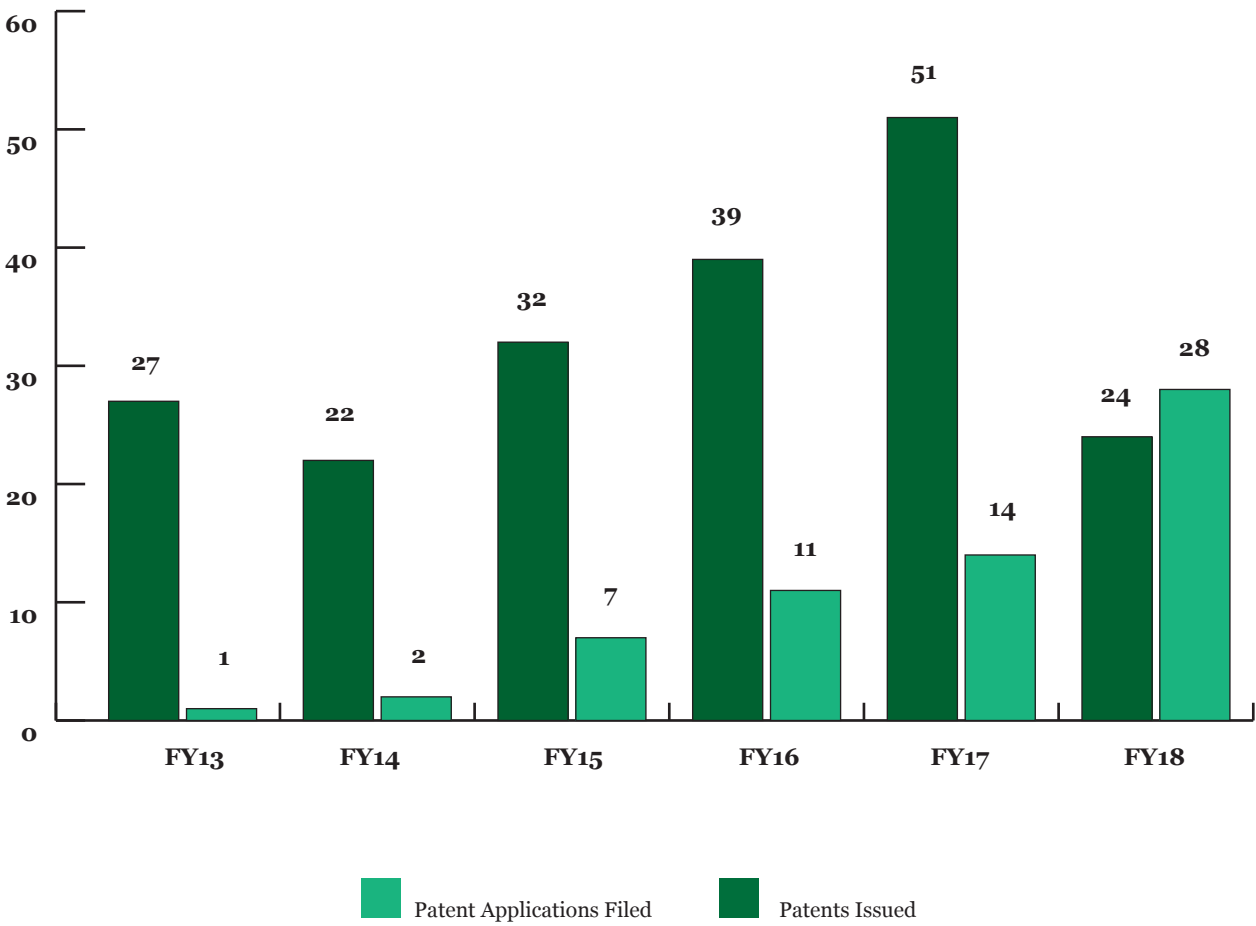
13.2 Pilot Grants Awarded Dollars



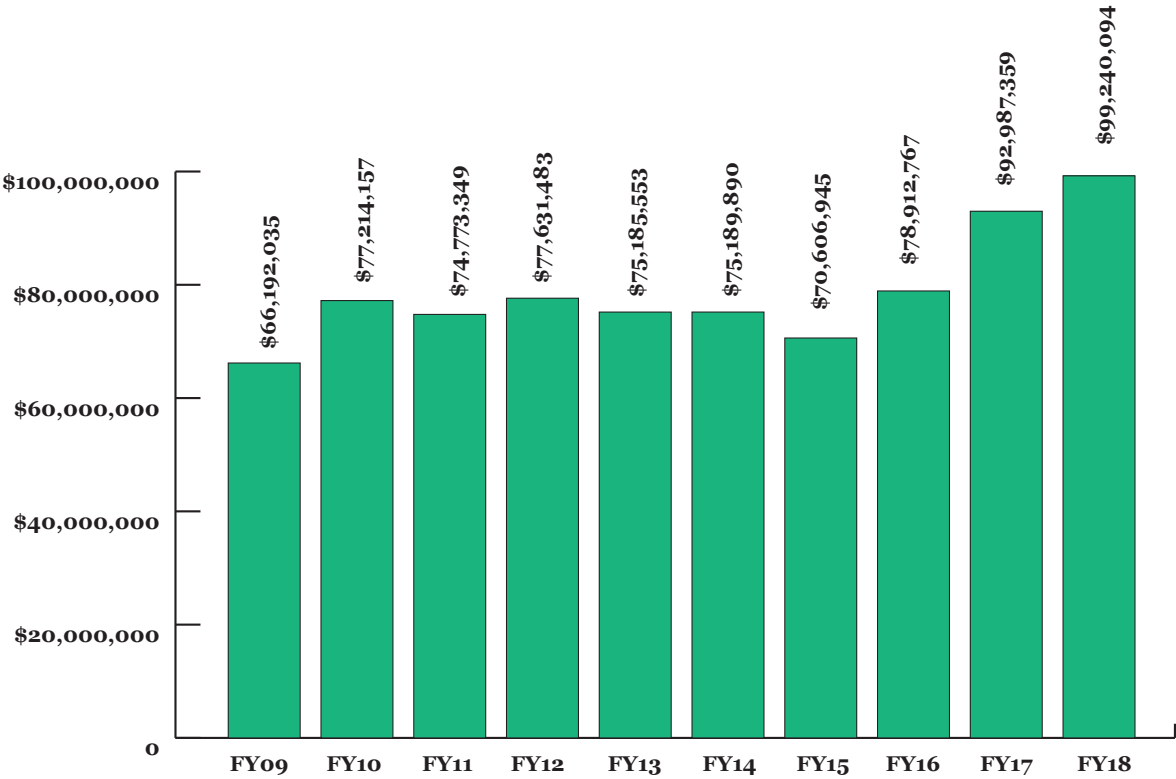
13.3 Total Industry Sponsored Research Cash Receipts (amounts in thousands)



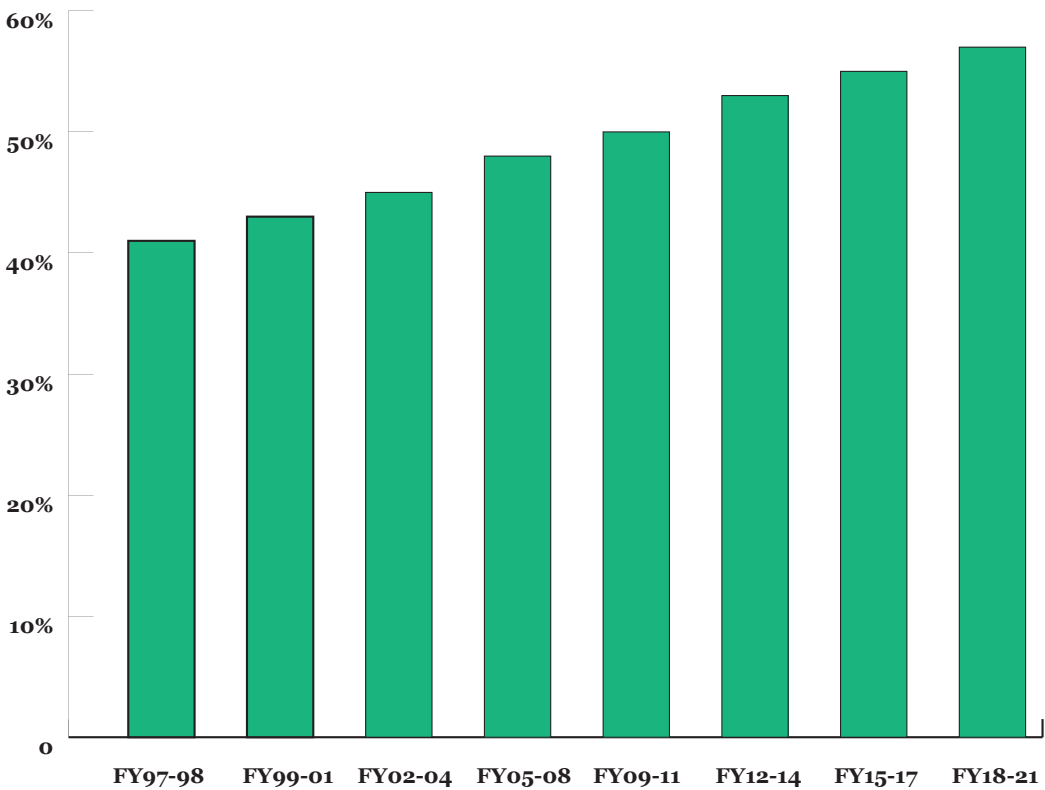
13.4 Patent Applications Filed and Issued



13.5 Total Research Awards



13.6 Federal F&A Organized Research On Site Rate



13.7 Fiscal Year 2018 - Cumulative NIH Awards (amounts in thousands)

