

Campus Conversations

BIG

Beyond Football: Rutgers in the Big Ten

November 7, 2017 | 4:30 p.m. to 6:00 p.m.

*Rutgers Academic Building, Lecture Hall 4225
15 Seminary Place, New Brunswick*

Want to know how Rutgers stacks up against its Big Ten peers off the gridiron? Where we stand in terms of Research Output, Diversity, *US News* & *World Report* Rankings, Fundraising, and more?

This is the first in a series of *Campus Conversations* where we will use data to shed light on areas of strength, challenges, and opportunities for growth at Rutgers University–New Brunswick.



RUTGERS

UNIVERSITY | NEW BRUNSWICK

Agenda

- The Big Ten Athletic Conference and Academic Alliance
- Benchmarking Rutgers University-NB among the Big Ten Public Institutions:
 - Enrollment & Admissions
 - Student Outcomes
 - Research
 - Physical Plant Characteristics
 - Budget/State Support/Tuition
 - Endowment
 - Rankings

The Big Ten Athletic Conference and Academic Alliance

14 Member Institutions – 13 Public and 1 Private



The Big Ten

Athletic Conference

- NCAA Division 1
- 14 Men's Sports
- 14 Women's Sports
- Dates back to the 1890s
- One of the most competitive and successful conferences in intercollegiate athletics

Academic Alliance

- Originally the *Committee on Institutional Cooperation*
- Began in 1958
- Provides opportunities for collaboration among students/faculty/staff of member institutions
- Big Ten public universities are a natural peer group for RU-NB (all but one in AAU)

The Big Ten Academic Alliance: World-Class Universities, Working in Collaboration



“The working philosophy of the CIC has always been to help each member institution develop in depth and to exploit its own areas of strength, and then to make the combined strength available to all.”

Herman B. Wells, Indiana University President, at the founding of the Committee on Institutional Cooperation (now the Big Ten Academic Alliance) in 1958.

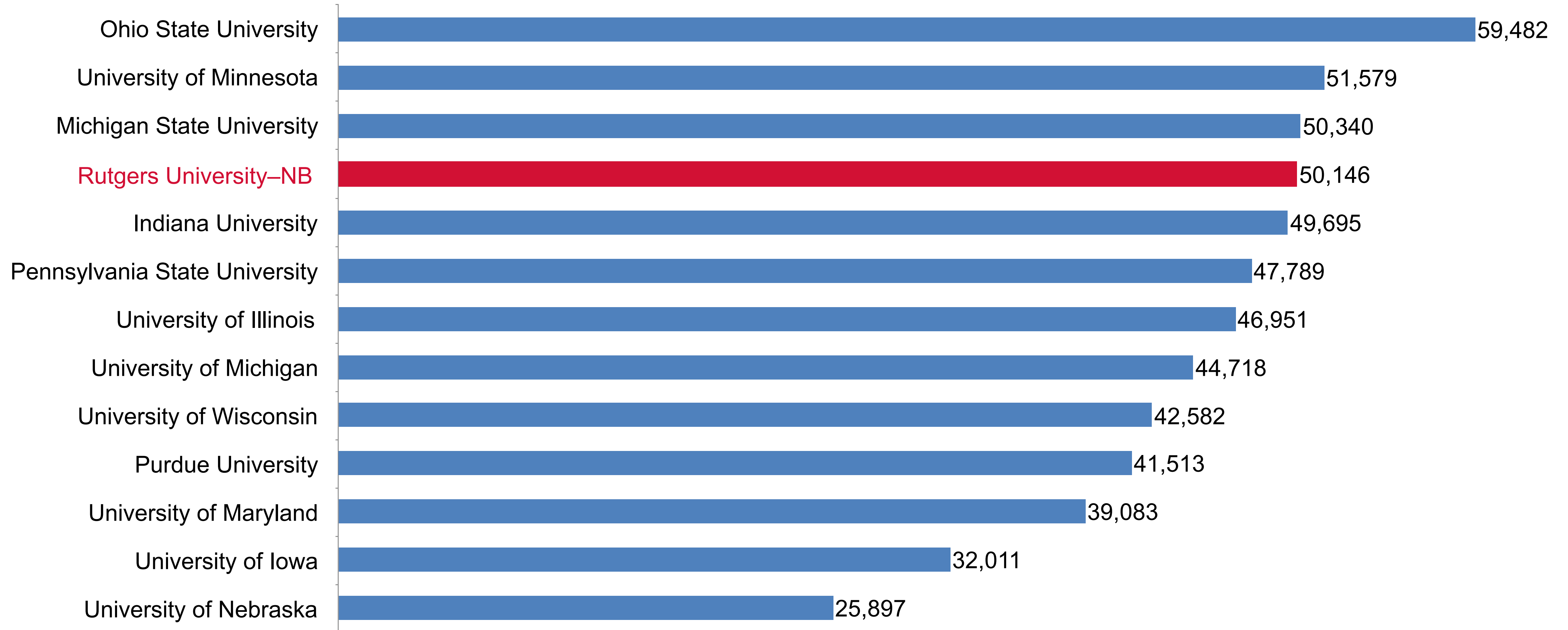
Strategic Priorities:

- Provide national leadership and influence
- Promote a sustainable culture of collaboration
- Increase cost savings and efficiencies

Benchmarking Rutgers University–NB among the Big Ten Public Institutions

Enrollment

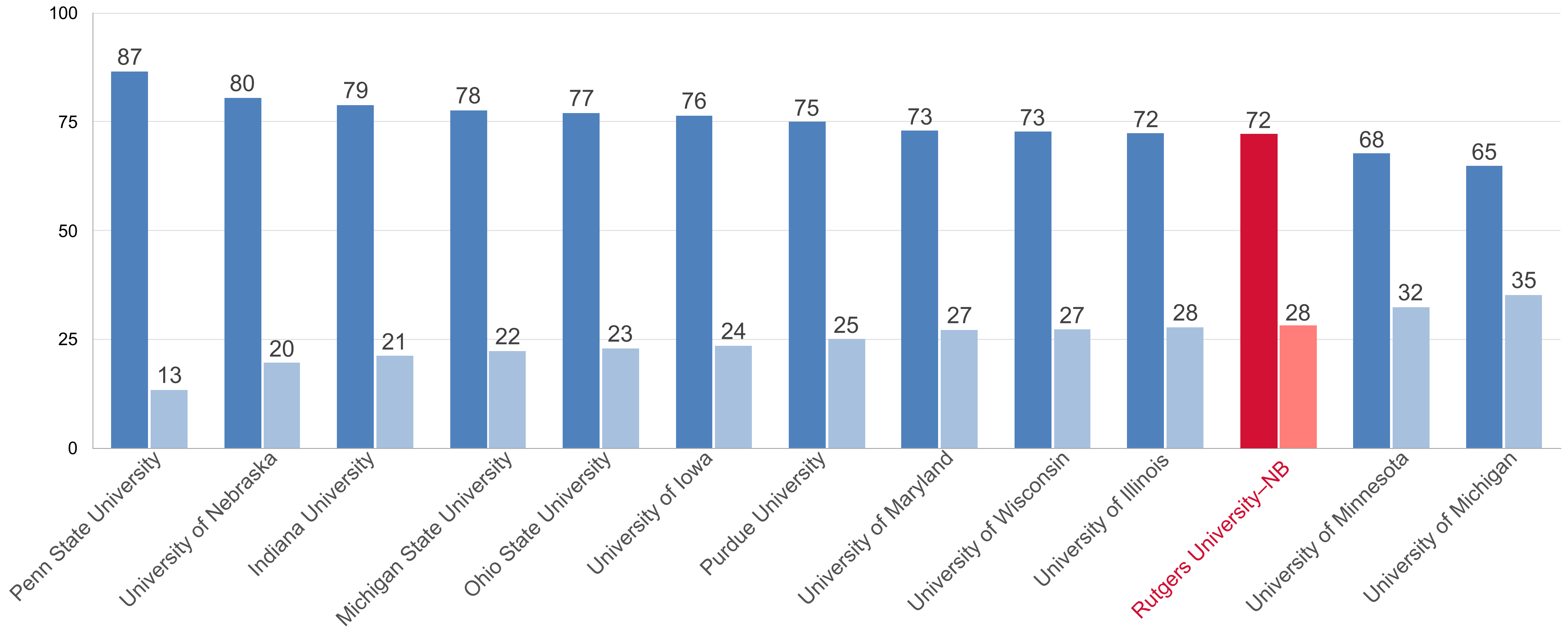
Big Ten Total Enrollment Fall 2016



Big Ten: Enrollment – Fall 2016

Percentage of Graduate, Undergraduate

■ Undergraduate ■ Graduate

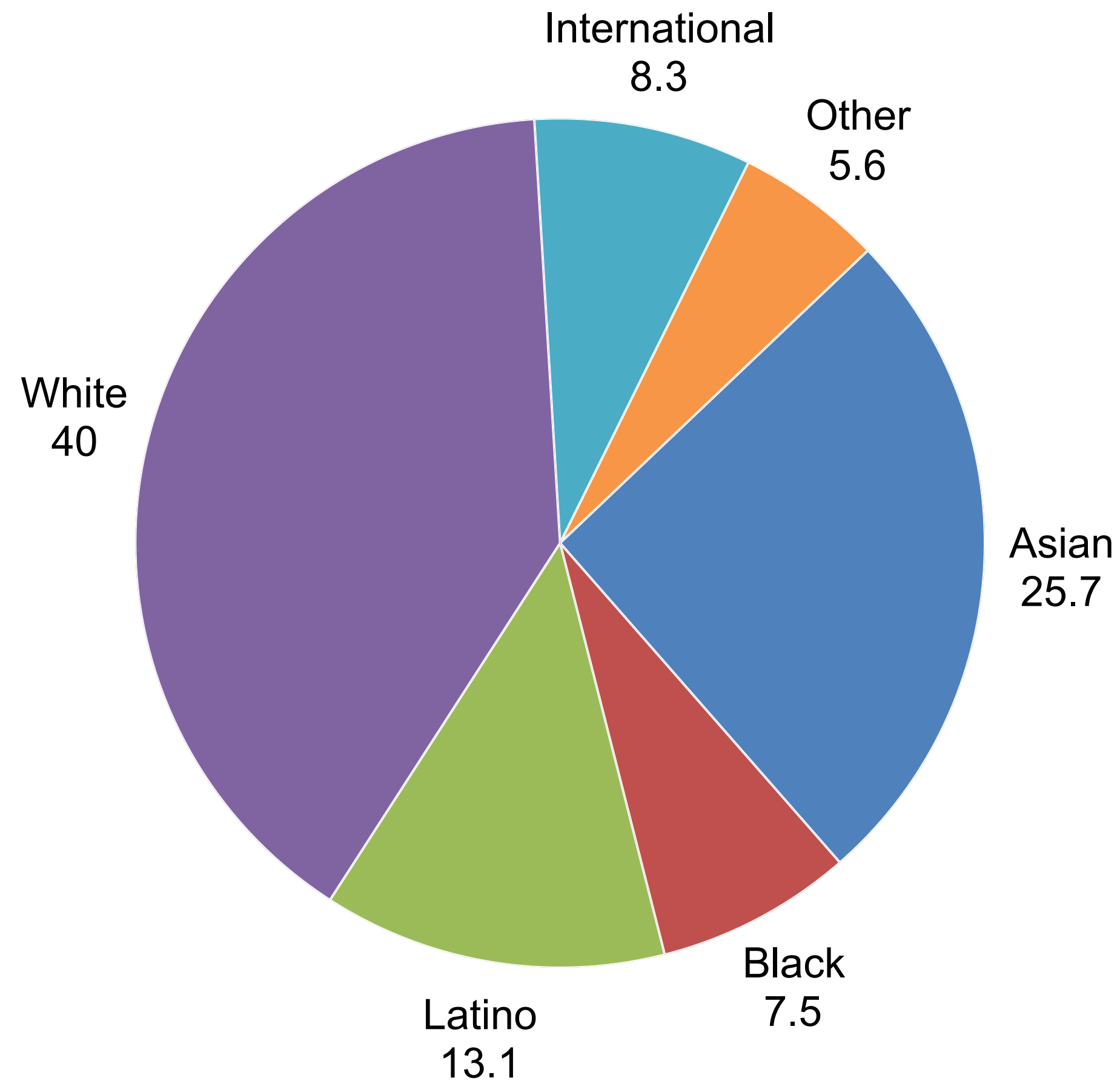


Source: National Center for Education Statistics (NCES), Integrated Postsecondary Education Data System (IPEDS) Survey

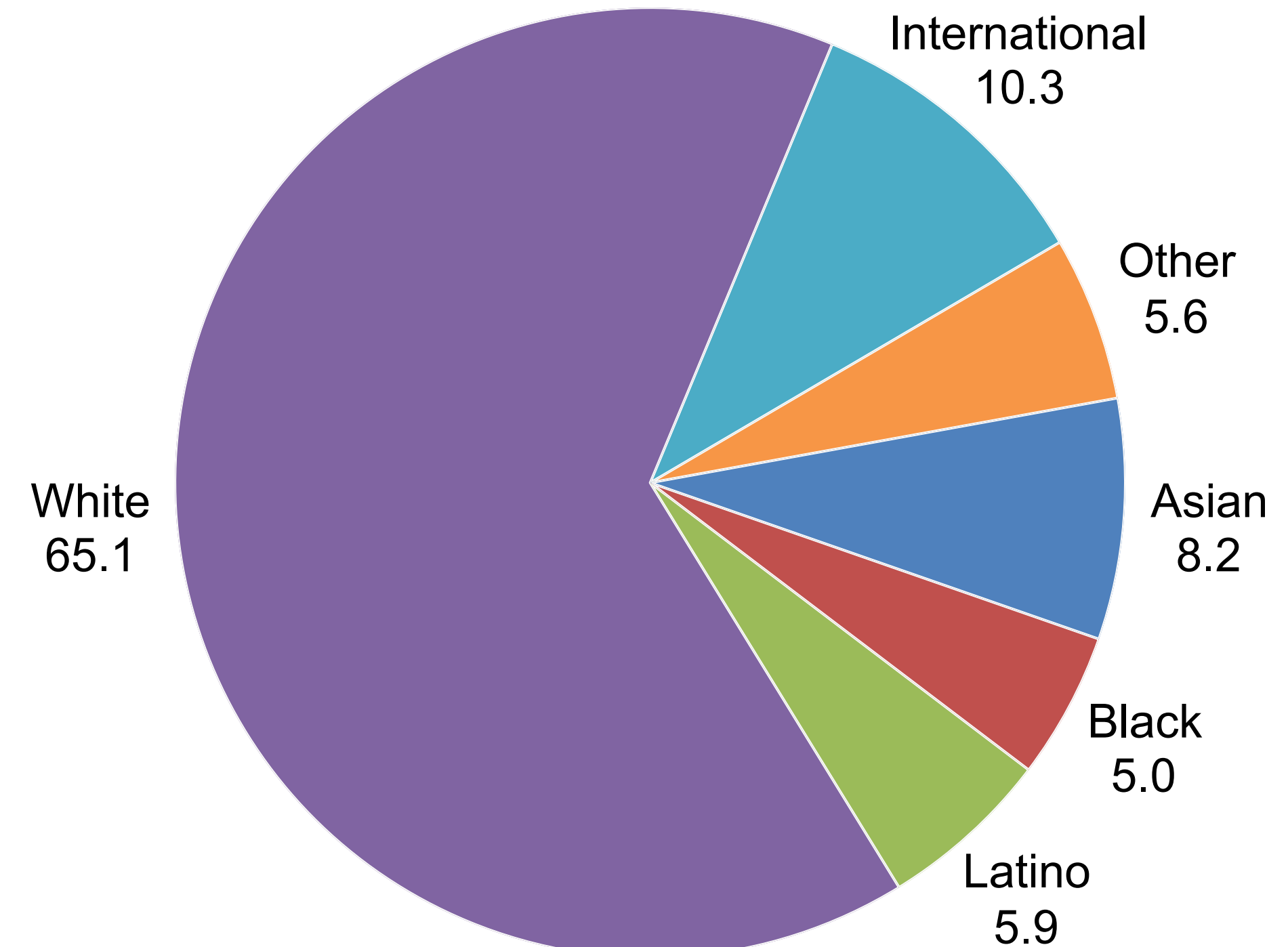
Undergraduate Enrollment by Student Demographics

Fall 2016

Rutgers–New Brunswick



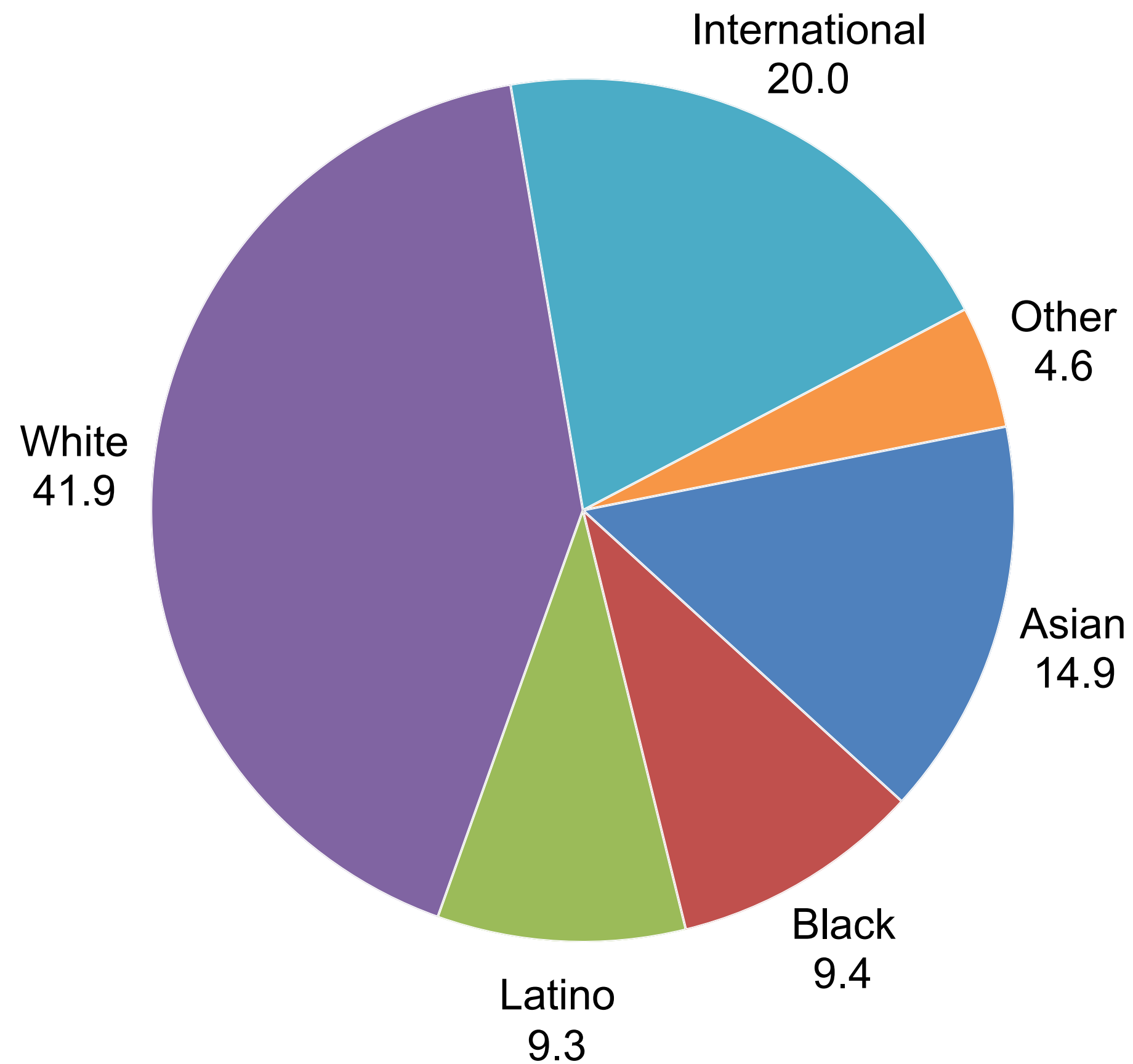
Big Ten Average



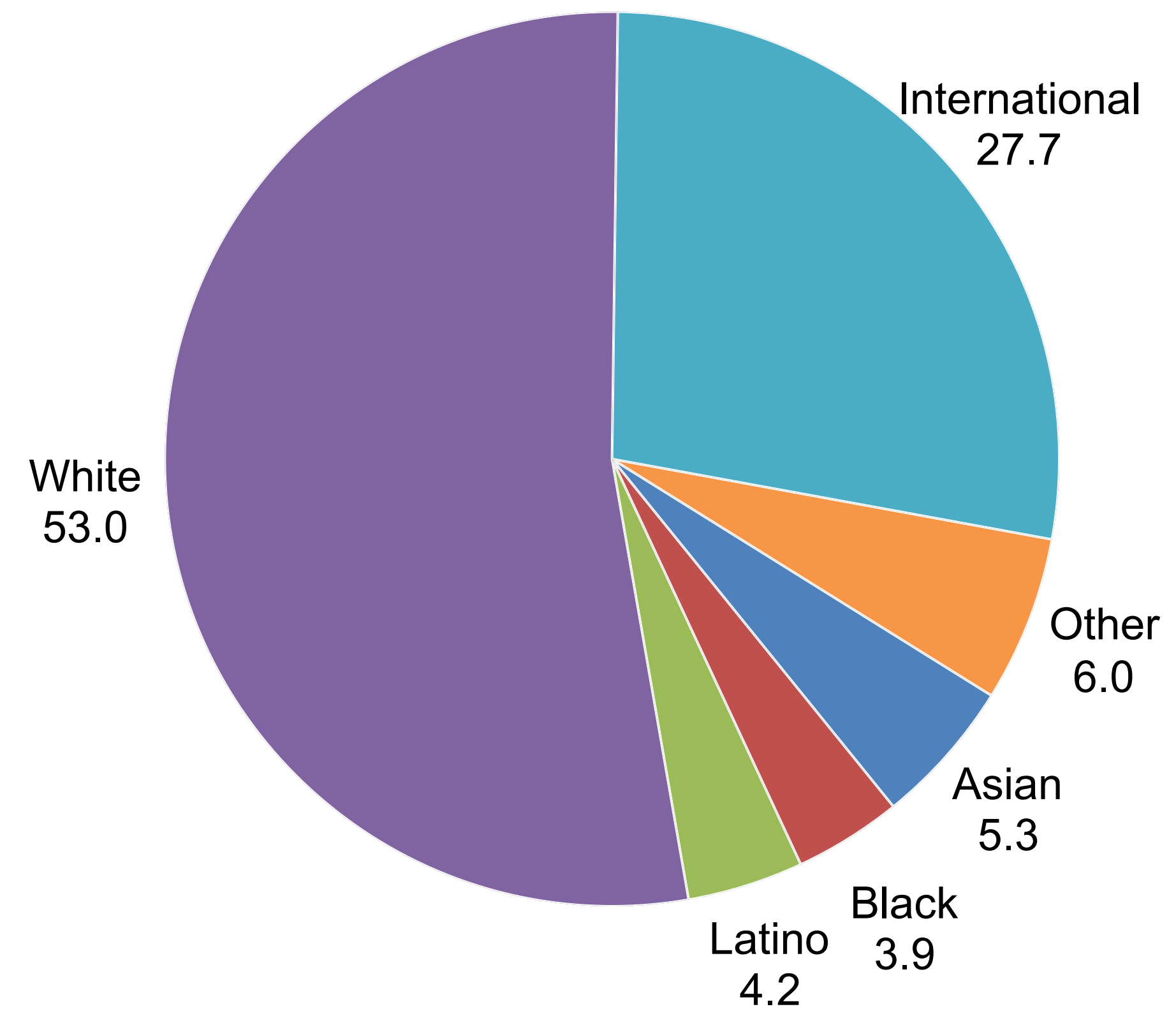
Graduate Enrollment by Student Demographics

Fall 2016

Rutgers–New Brunswick

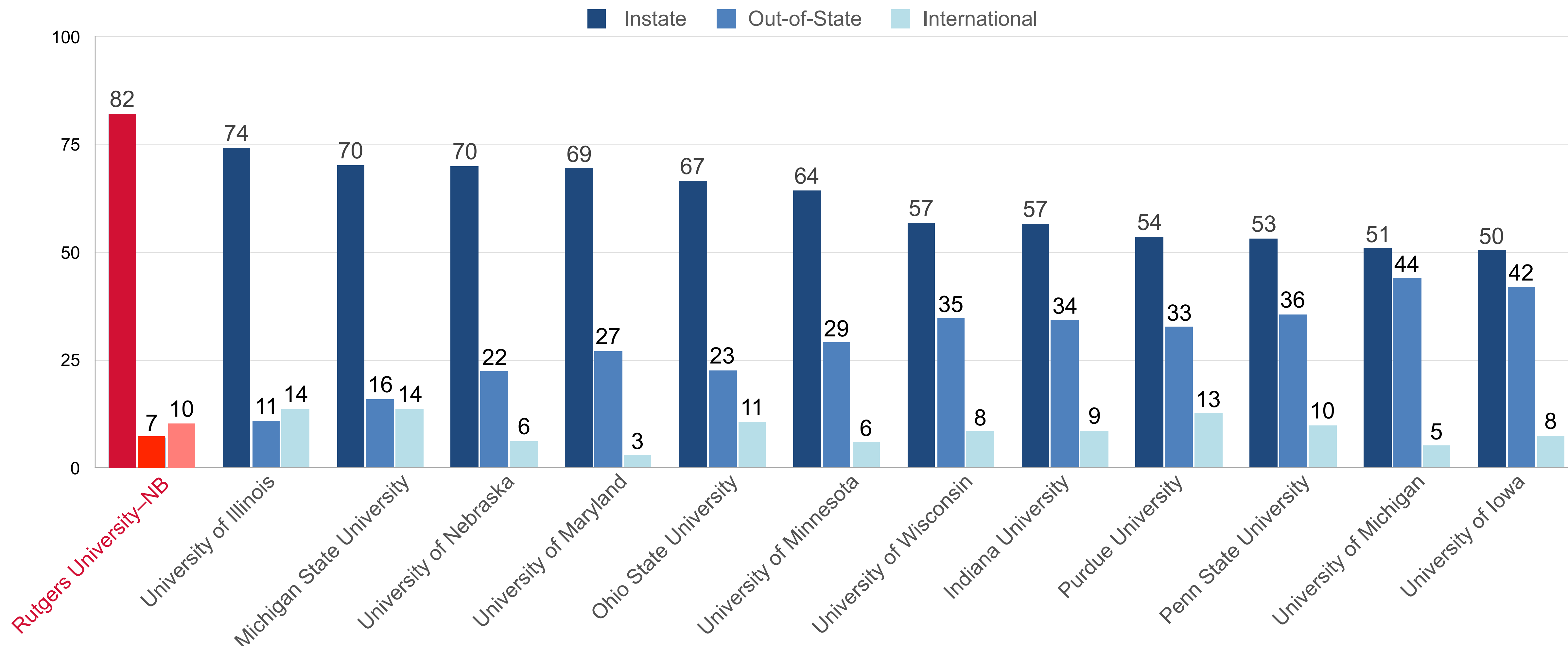


Big Ten Average



Big Ten: Enrollment by Residency – Fall 2016

Incoming First-Time Undergraduate

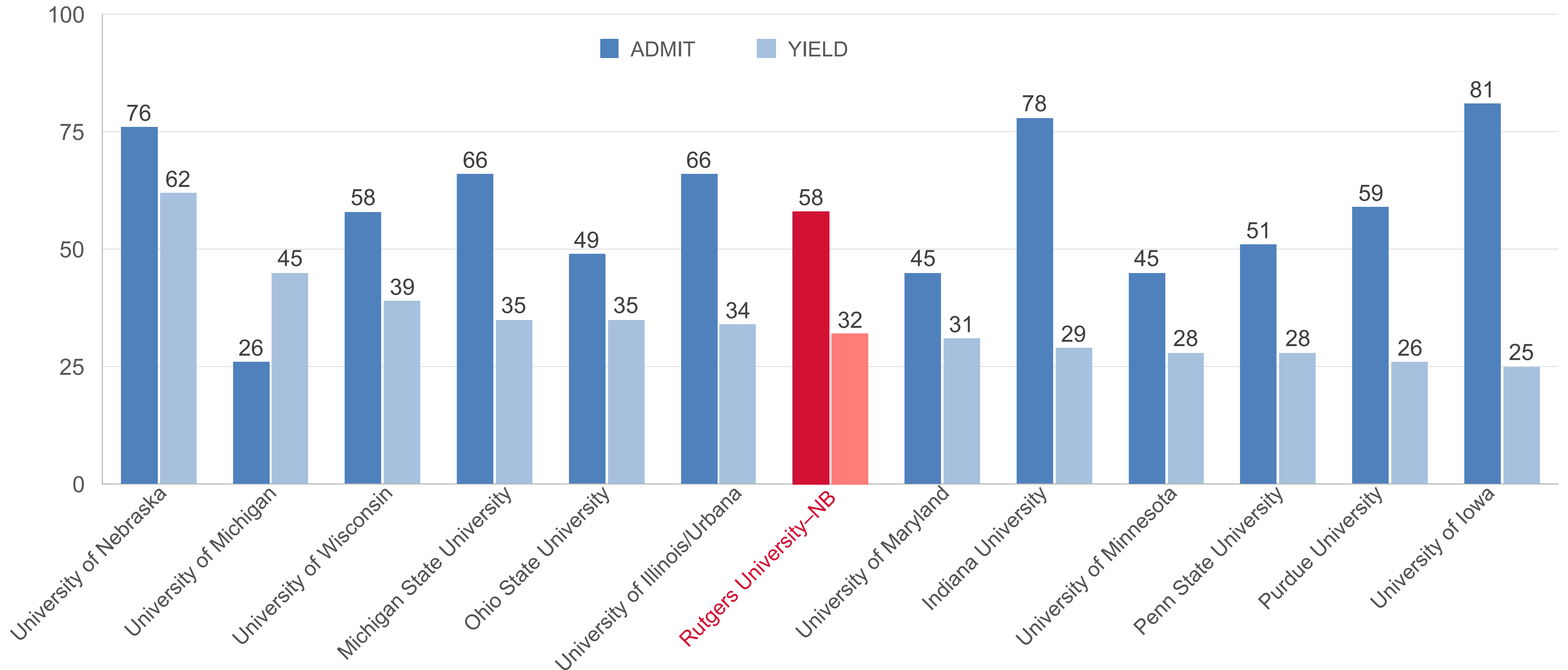


Benchmarking Rutgers University–NB among the Big Ten Public Institutions

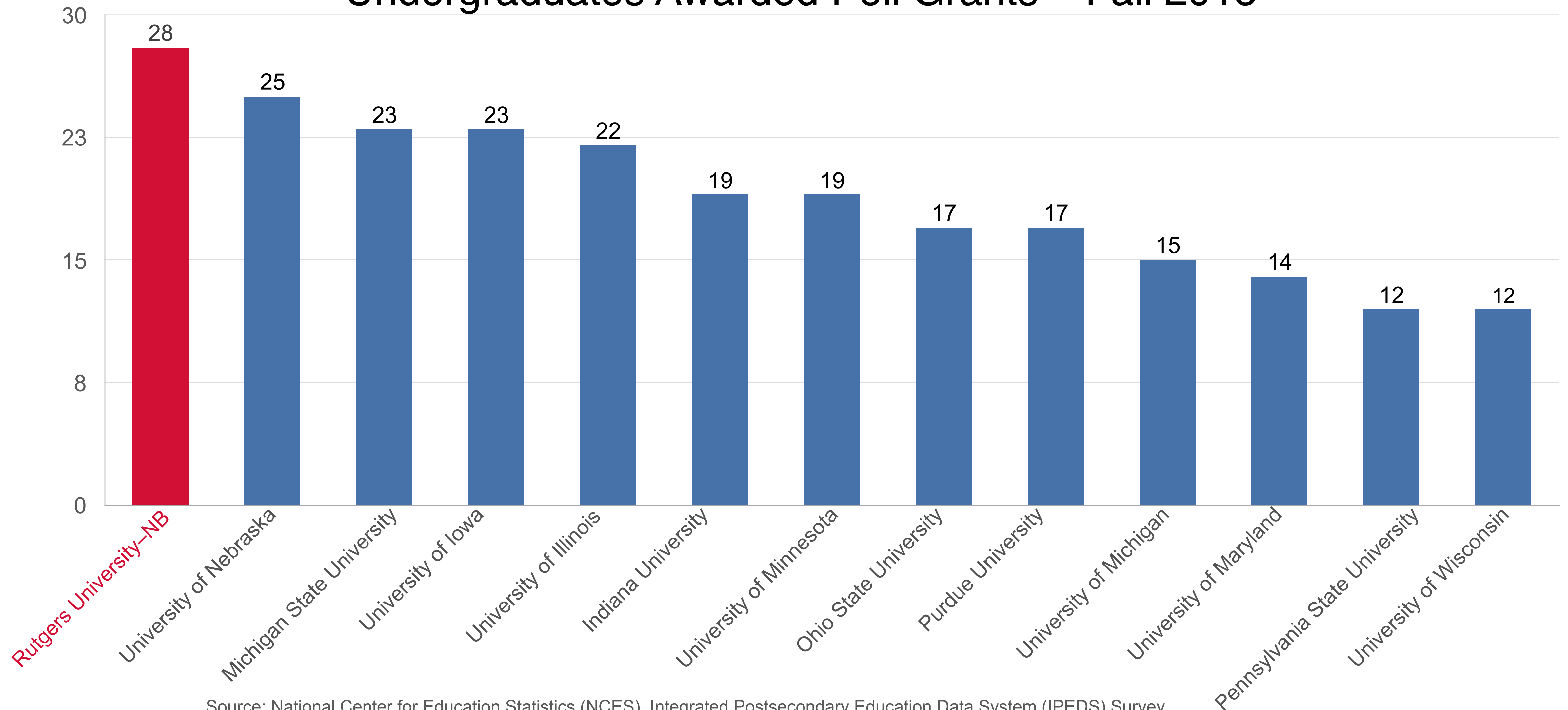
Admissions

Big Ten: Percent Admit and Percent Yield – Fall 2016

First-time Degree-seeking Undergraduate



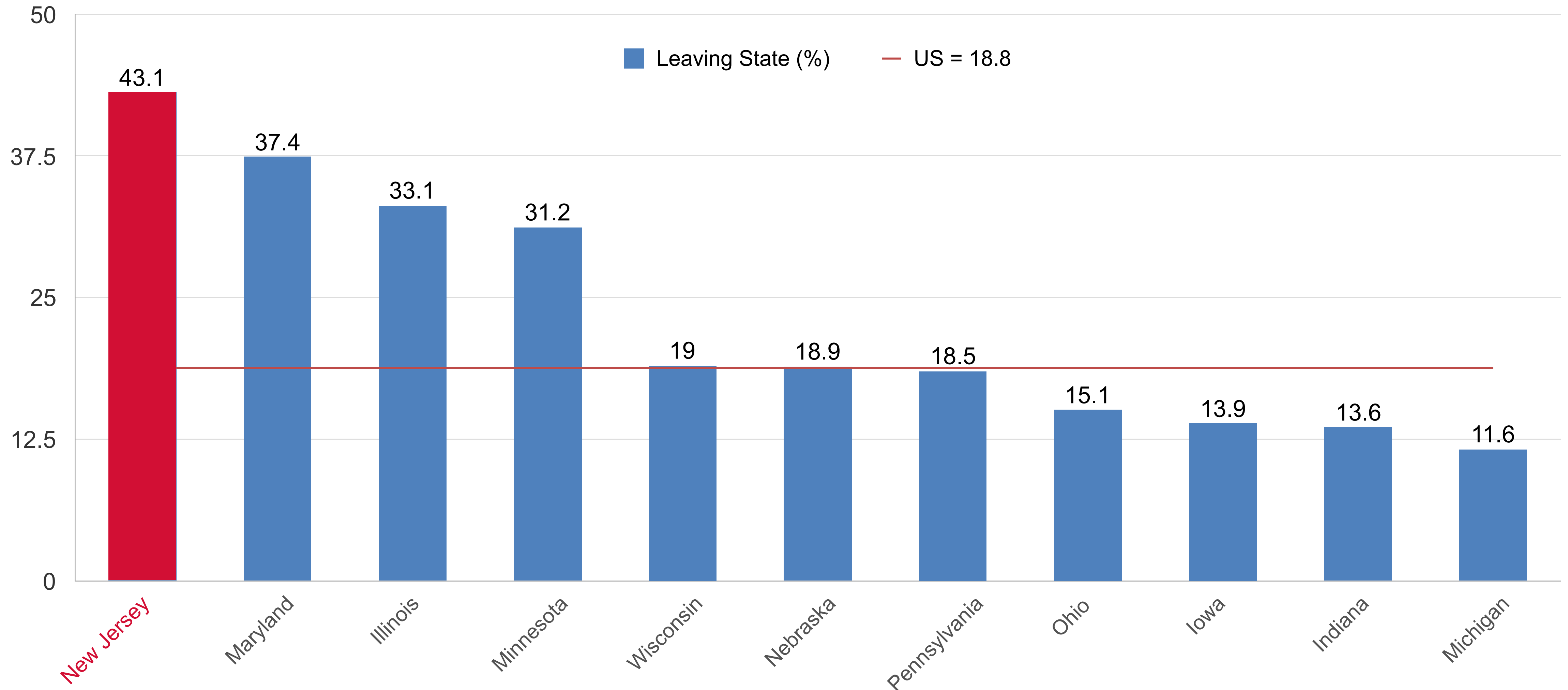
Big Ten: Percent of Full-Time First-Time Undergraduates Awarded Pell Grants – Fall 2015



Source: National Center for Education Statistics (NCES), Integrated Postsecondary Education Data System (IPEDS) Survey

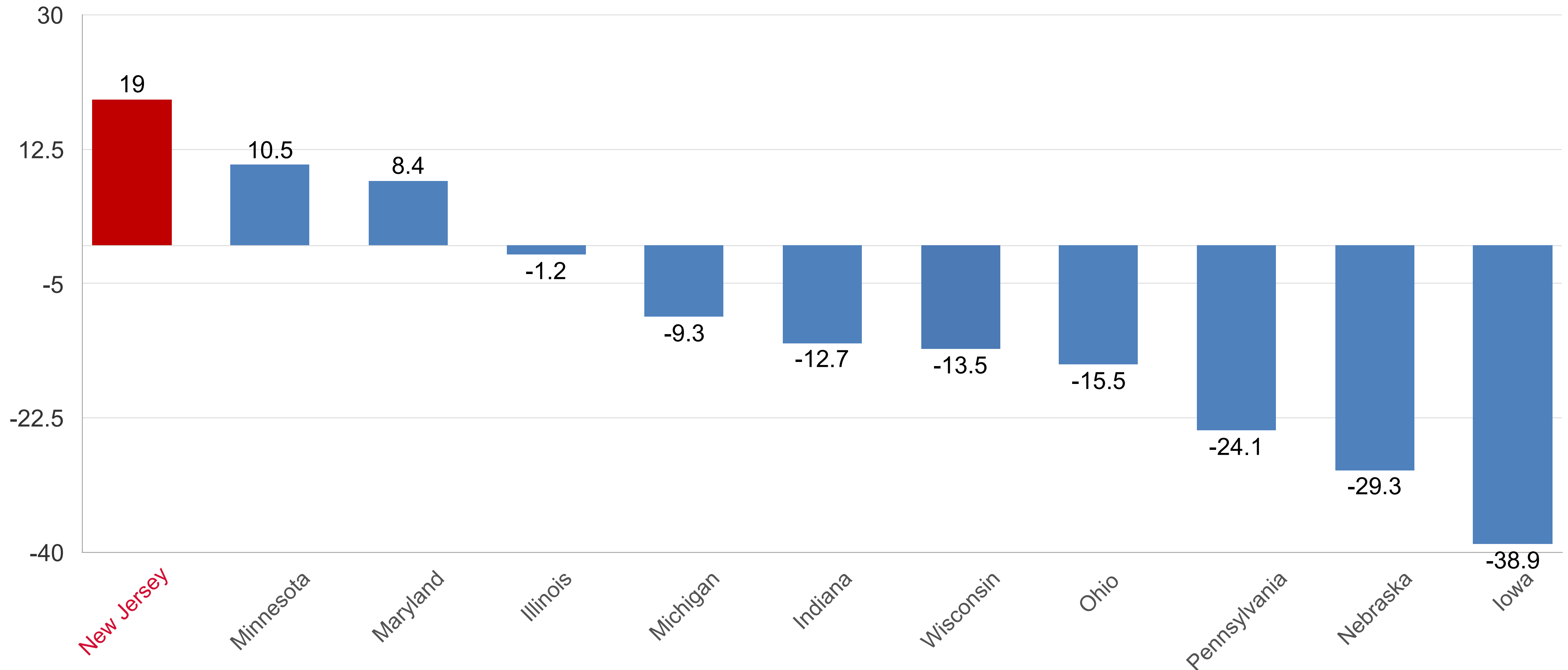
Big Ten States

Share of Freshmen Leaving Home State to Start College



Big Ten States

Net In-Migration Rate of Persons with Bachelor's Degrees



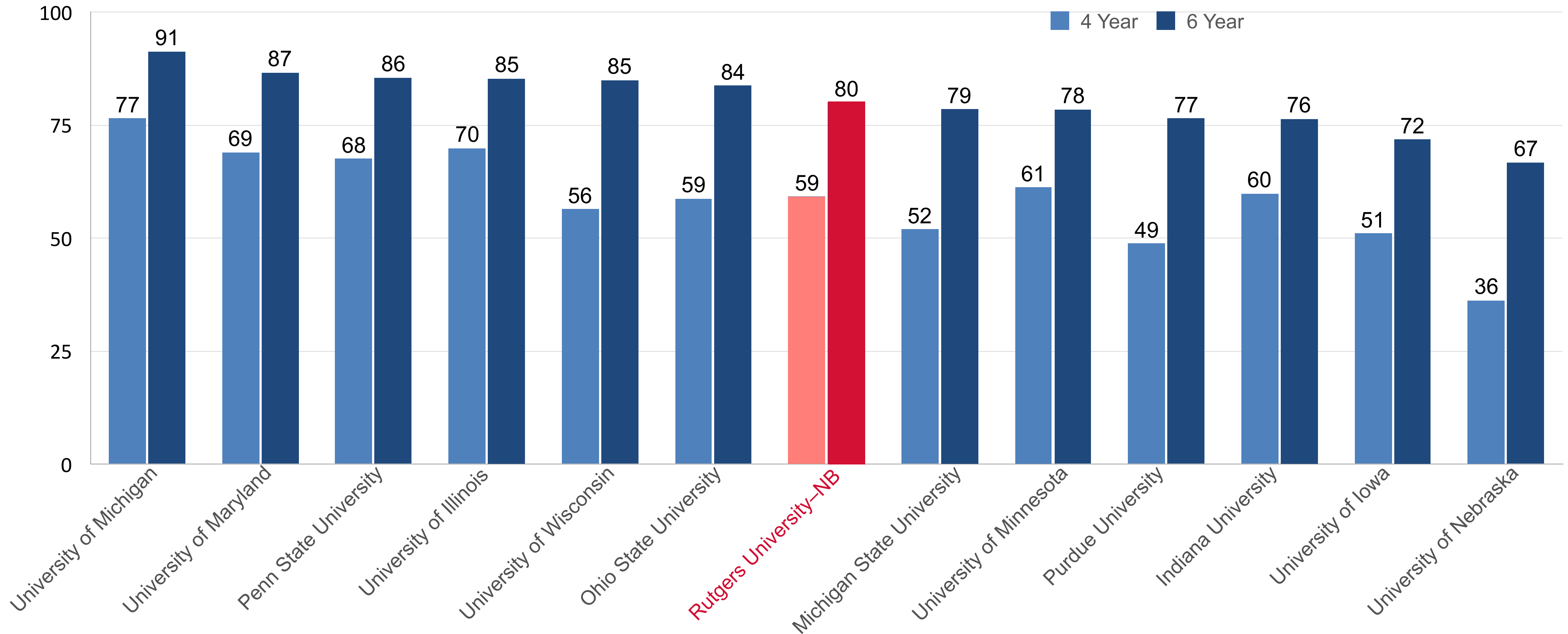
Source: Postsecondary Education OPPORTUNITY -The Pell Institute for the Study of Opportunity in Higher Education

Benchmarking Rutgers University–NB among the Big Ten Public Institutions

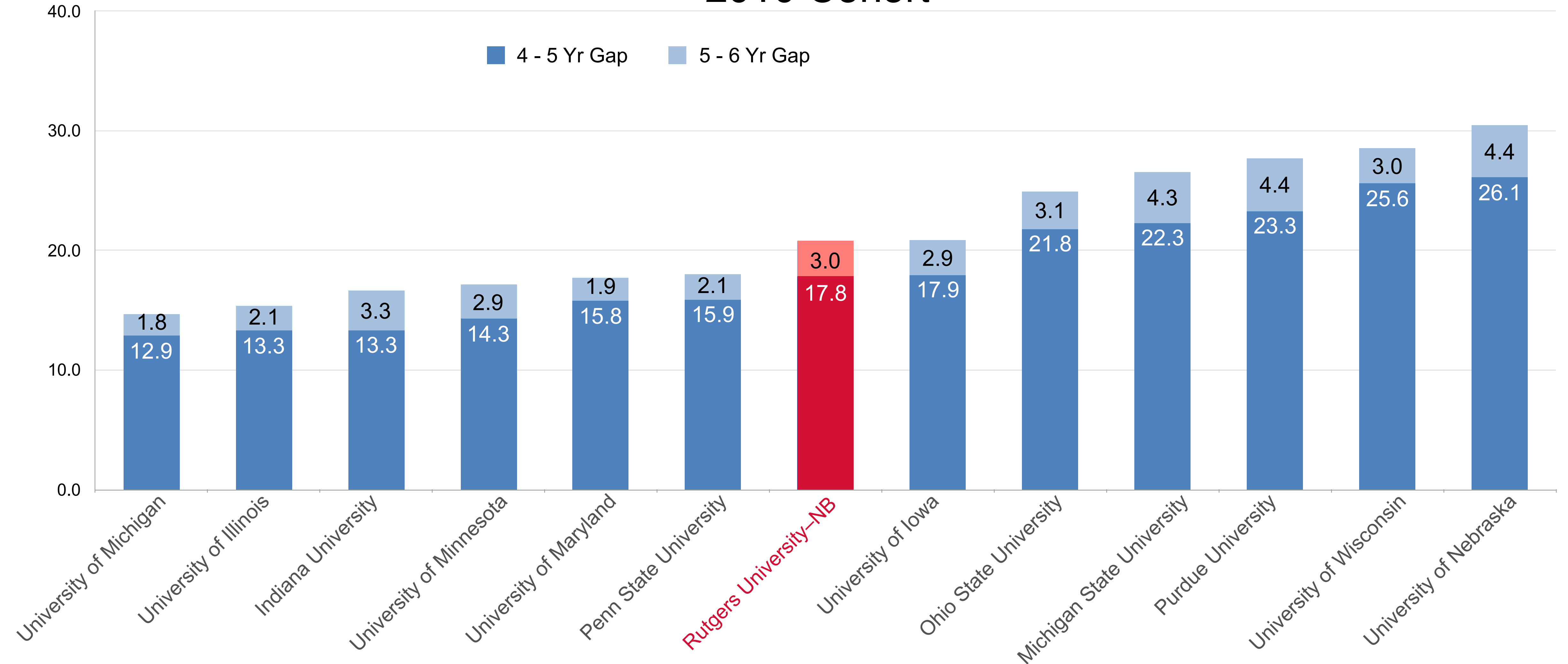
Student Outcomes

Big Ten: Graduation Rate

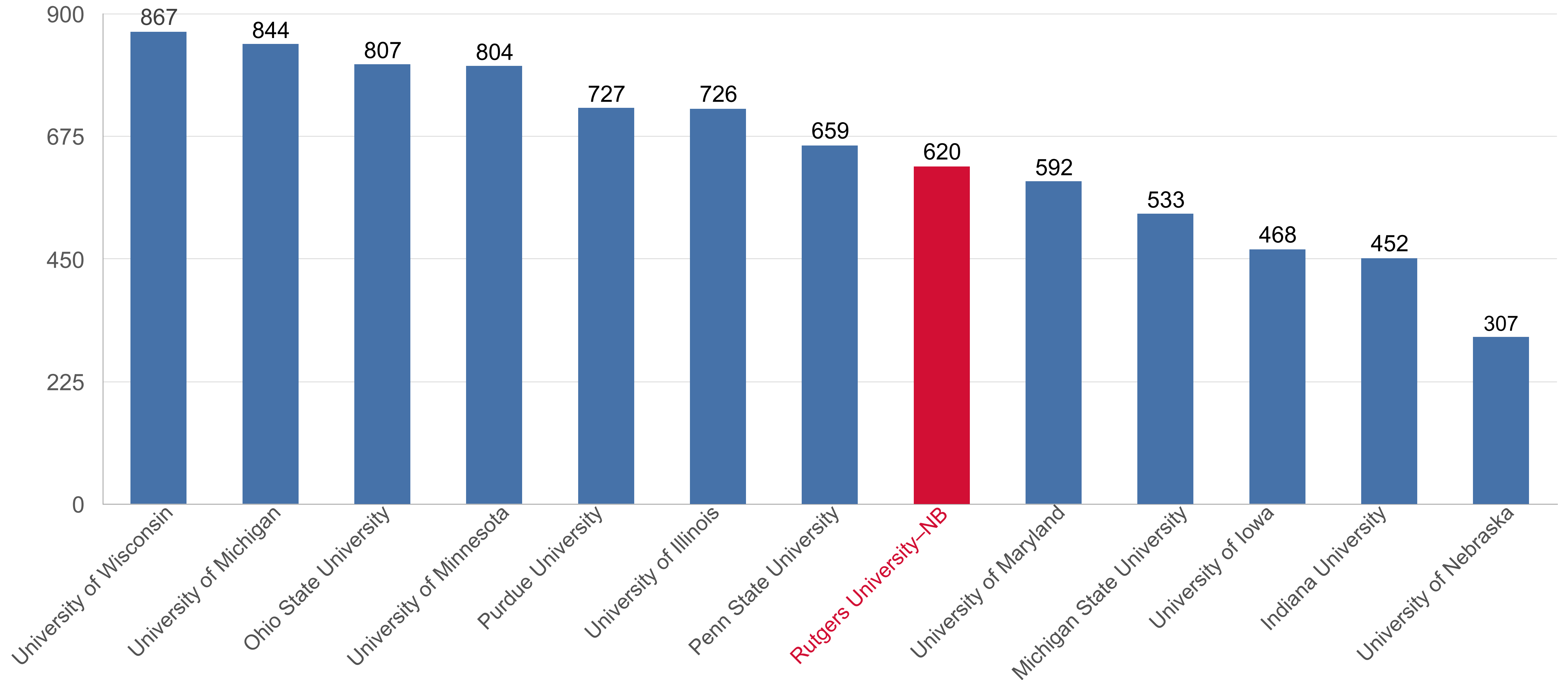
4 and 6 Year Graduation Rate, 2010 Cohort



Big Ten: Graduation Rate Gap 2010 Cohort

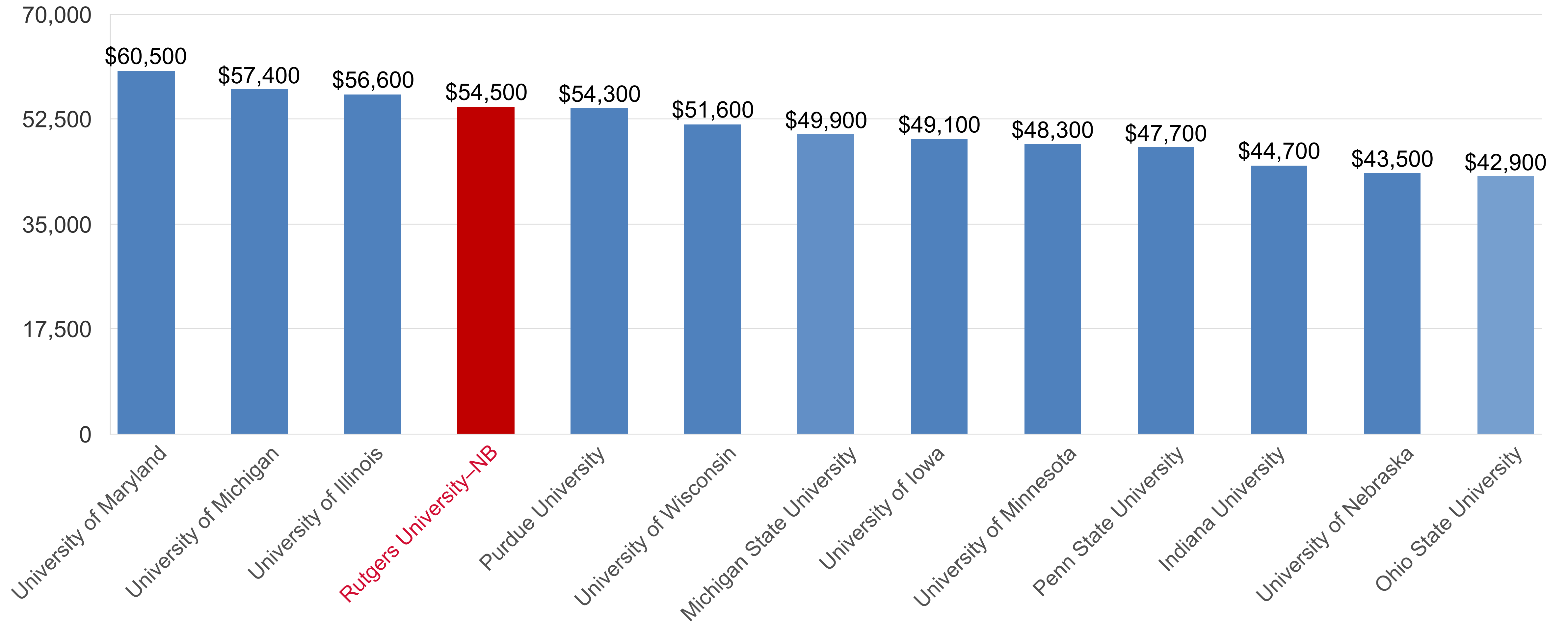


Doctoral Degrees Conferred – FY16



Big Ten: Salary After Attending

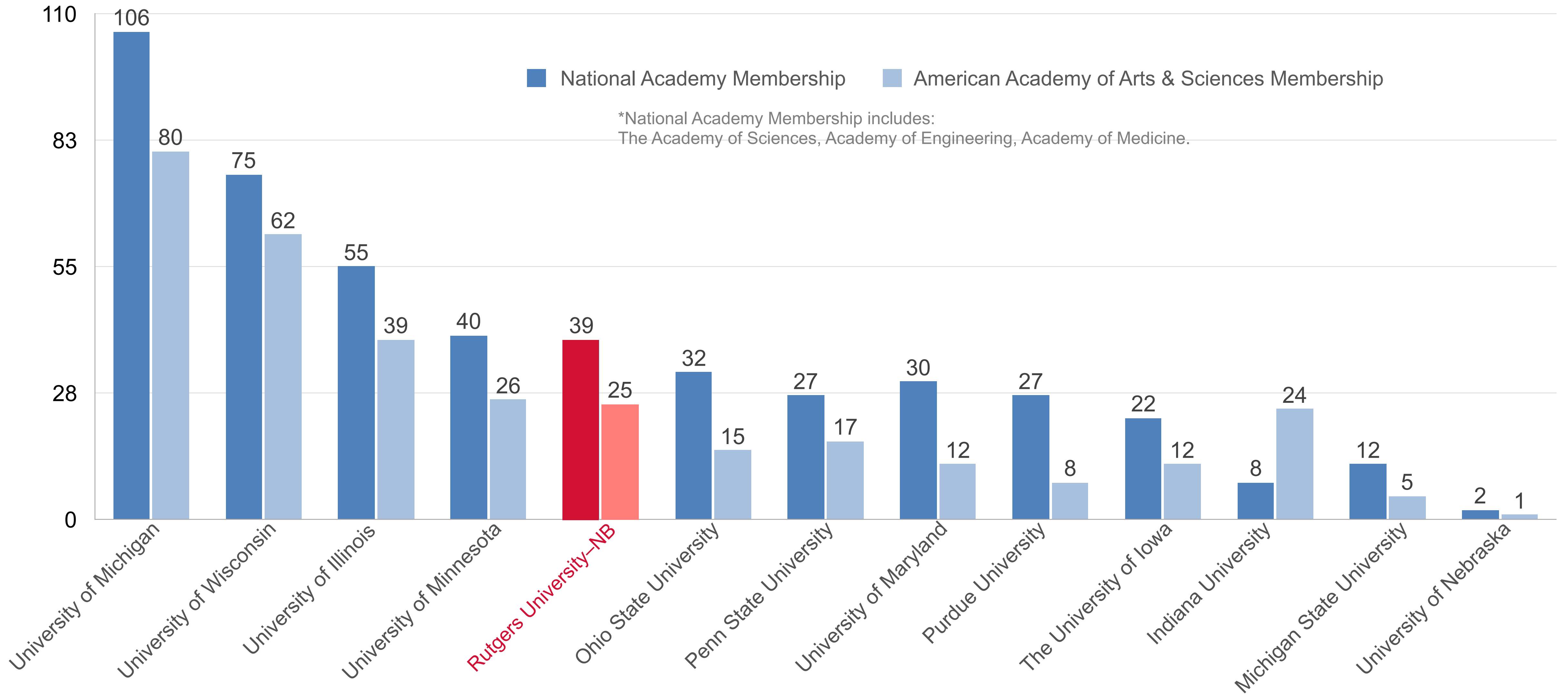
Median Earnings of Undergraduate Students Who Received Federal Financial Aid, at 10 Years After Entering Respective Institution



Benchmarking Rutgers University–NB among the Big Ten Public Institutions

Research

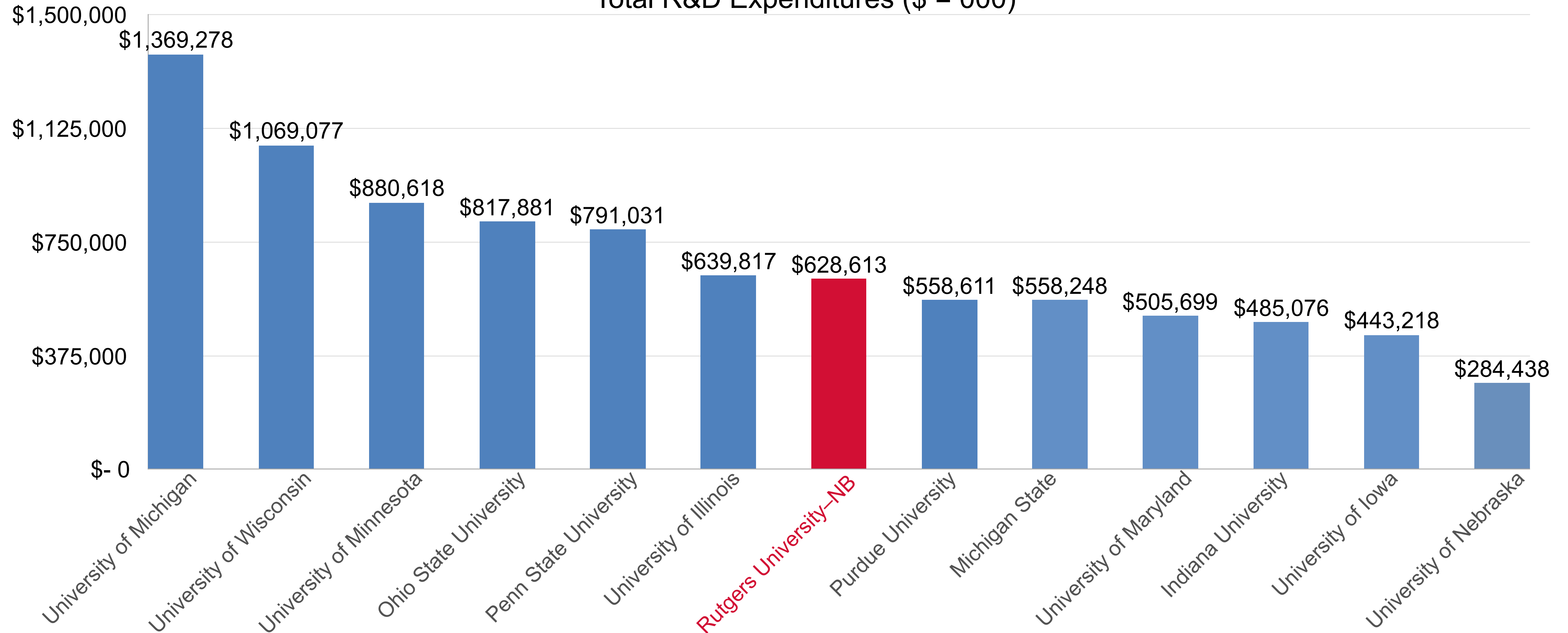
Big Ten: Number of Members in the National Academies



Big Ten Publics: Total Research Spending

NSF Data (FY 2015)

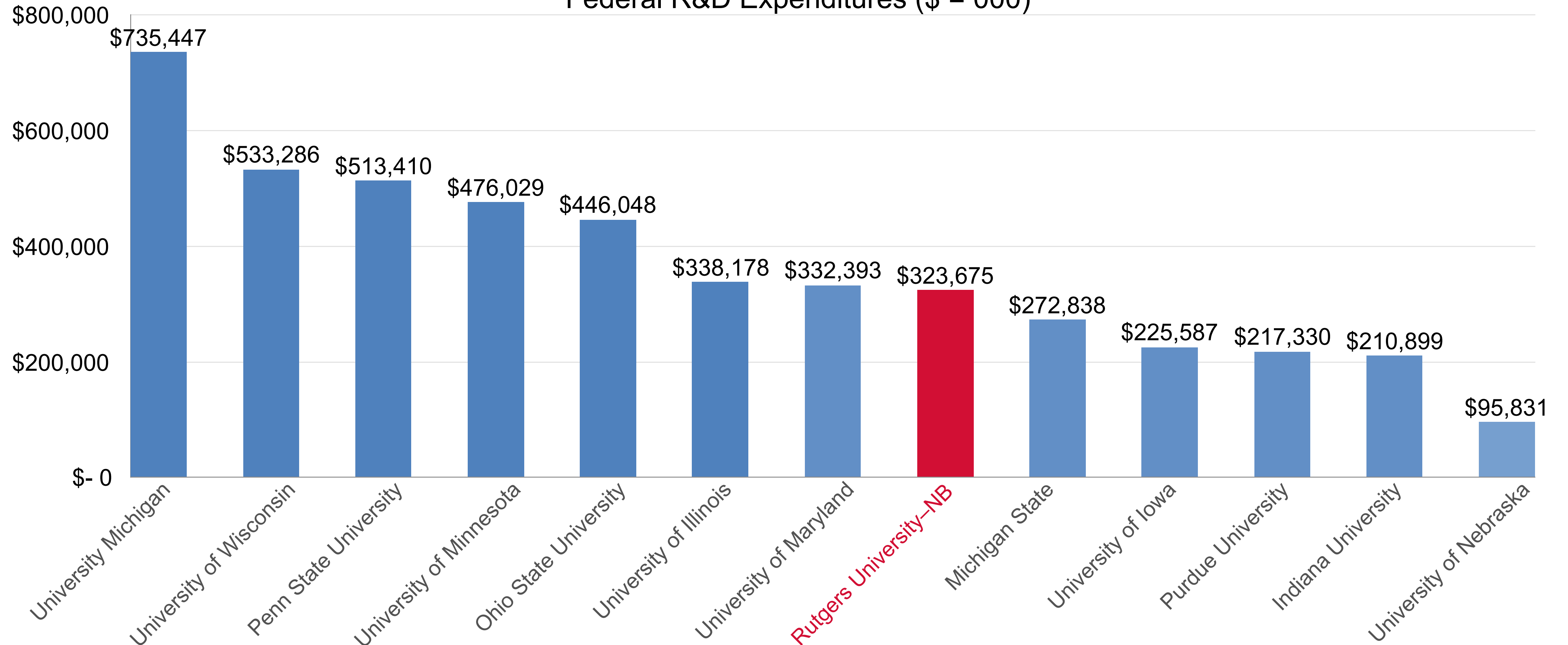
Total R&D Expenditures (\$ = 000)



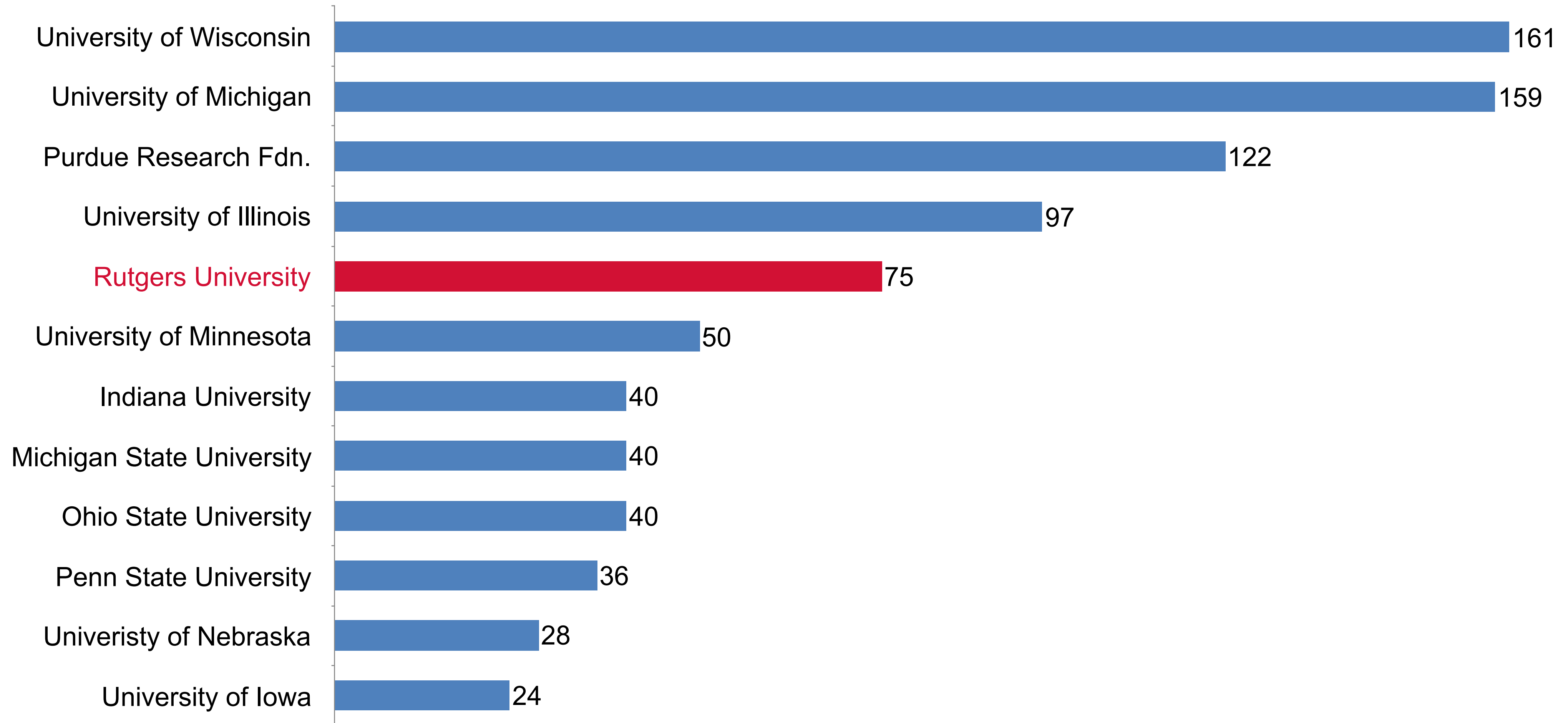
Big Ten Publics: Federal Research Spending

NSF Data (FY 2015)

Federal R&D Expenditures (\$ = 000)



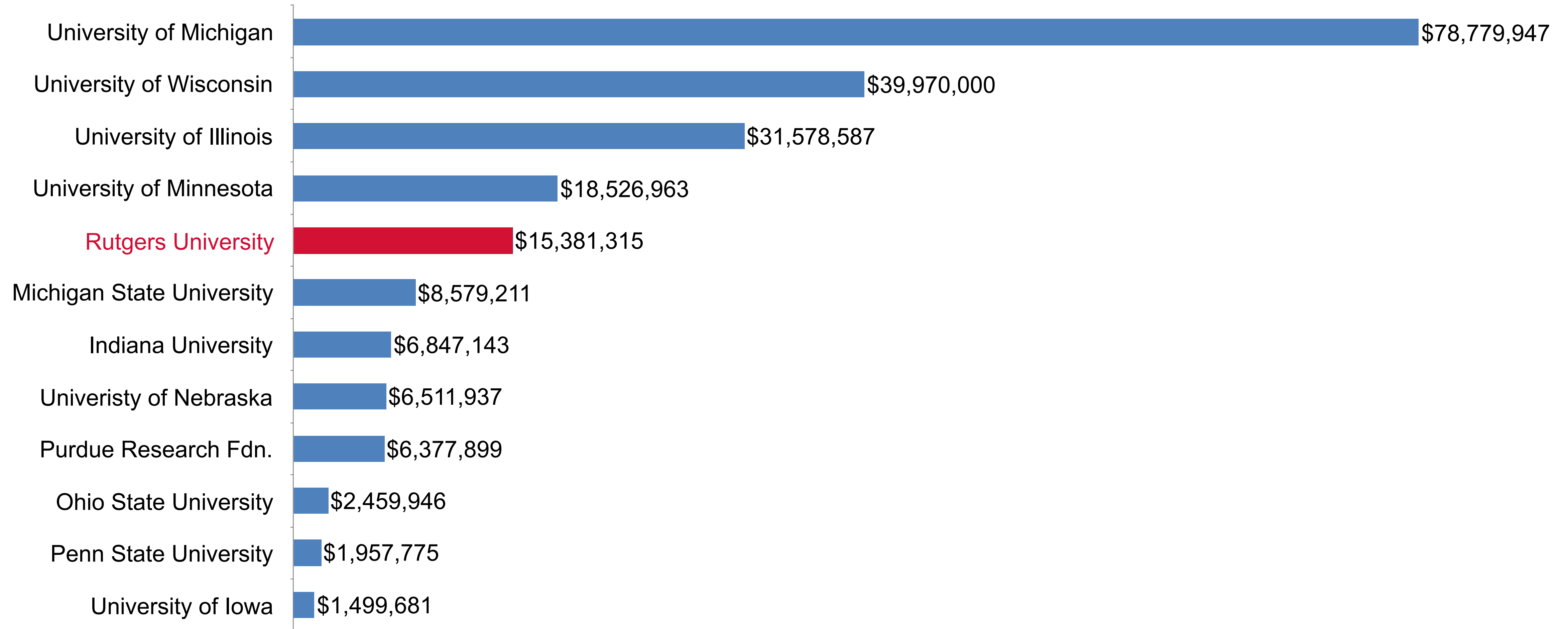
Big Ten: Patents Issued



*Excludes the University of Maryland

Source: Association of University Technology Managers

Big Ten: License Income



*Excludes the University of Maryland

Benchmarking Rutgers University–NB among the Big Ten Public Institutions

Physical Plant Characteristics

Rutgers New Brunswick Facilities

Generally Older and Smaller than Average for the Big Ten

Rutgers–New Brunswick

- 44% of buildings are 50 years of age or older
- Average building size of 18,000 square feet
- Total space per student = 216 square feet

Big Ten Public Average*

- 36% of buildings are 50 years of age or older
- Average building size of 60,000 square feet
- Total space per student = 303 square feet

* excludes Maryland and Rutgers

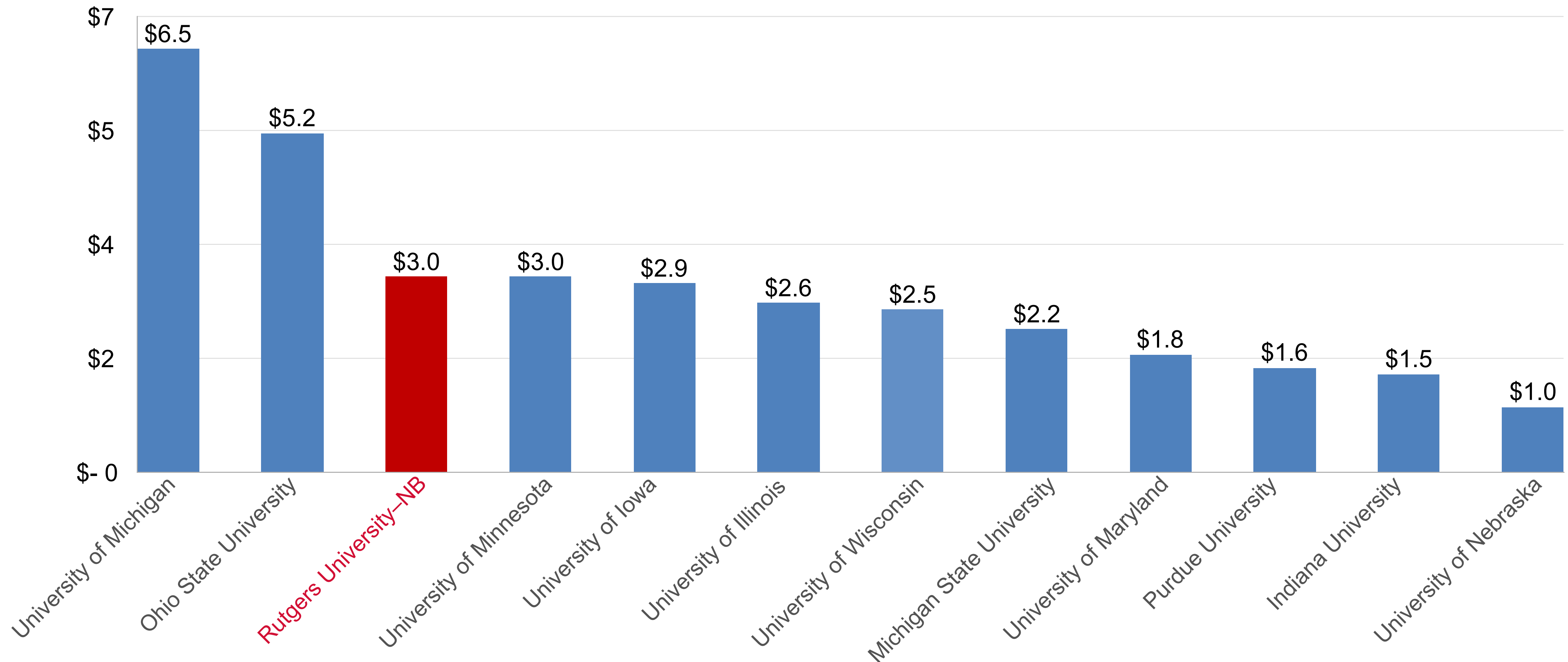
Benchmarking Rutgers University–NB among the Big Ten Public Institutions

Budget/State Support/Tuition

Big Ten Publics: University Budget Comparisons

IPEDS Finance Survey Data

Total Expenses & Deductions FY2015 (in billion \$s)



State Support for Higher Education

A Comparison of Big Ten States (FY2017)

\$/Capita

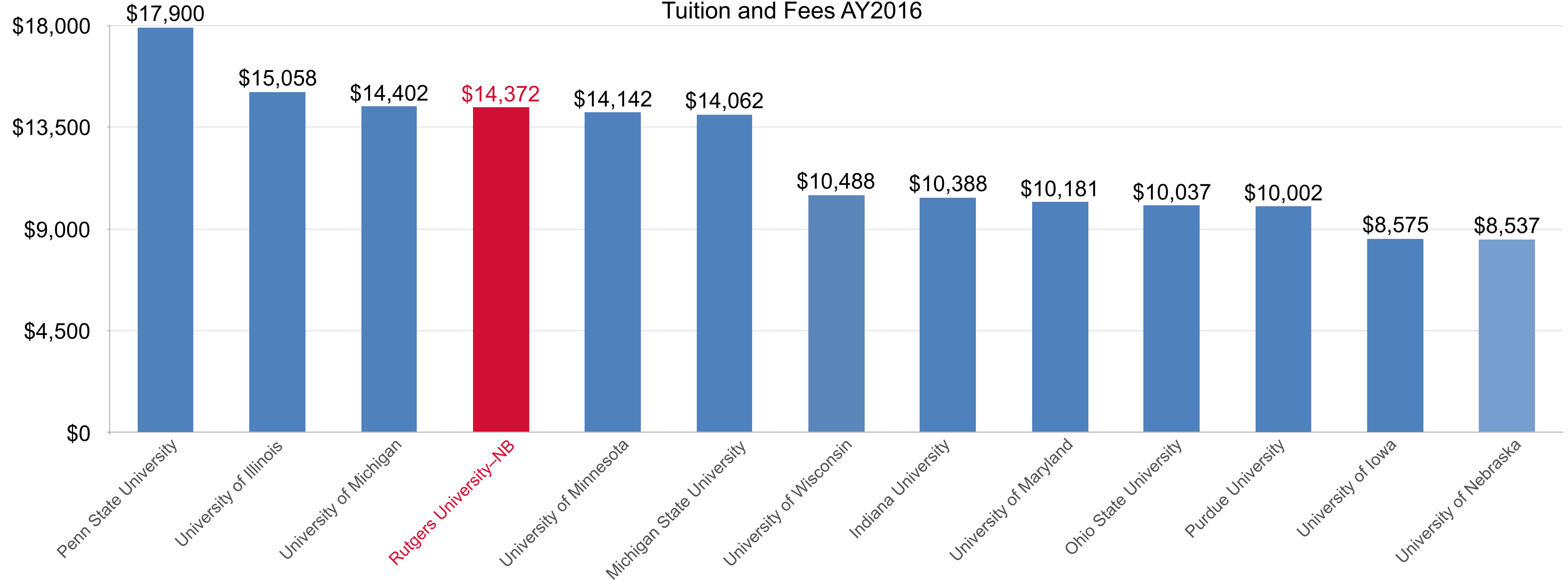
- Nebraska, \$395.13
- Maryland, \$326.52
- Minnesota, \$279.59
- Iowa, \$272.88
- Indiana, \$265.34
- Wisconsin, \$255.07
- **New Jersey, \$232.94**
- Ohio, \$198.34
- Michigan, \$189.06
- Pennsylvania, \$132.44
- Illinois, N/A

\$/ \$1,000 Personal Income

- Nebraska, \$8.03
- Indiana, \$6.13
- Iowa, \$5.87
- Maryland, \$5.66
- Wisconsin, \$5.43
- Minnesota, \$5.41
- Ohio, \$4.44
- Michigan, \$4.28
- **New Jersey, \$3.77**
- Pennsylvania, \$2.61
- Illinois, N/A

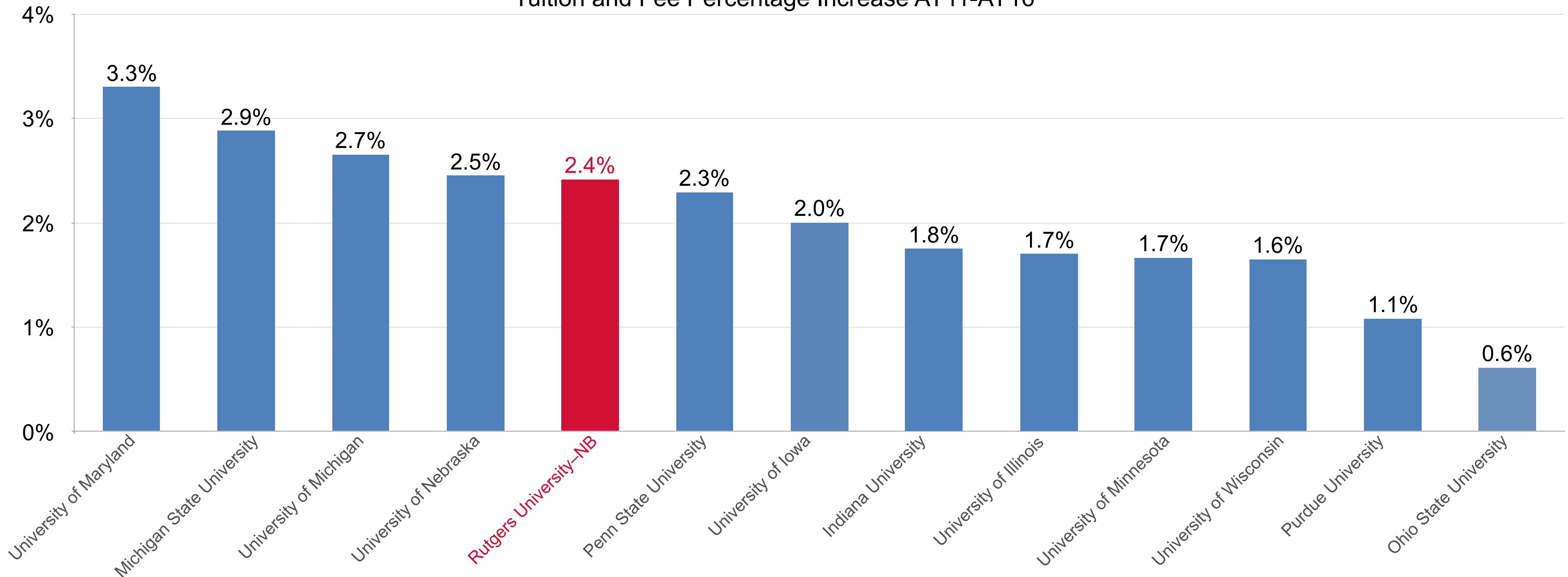
Rutgers–New Brunswick’s Tuition and Fee Charges Compared to Big Ten Publics

Annual In-State Undergraduate
Tuition and Fees AY2016



Rutgers–New Brunswick’s Tuition and Fee Increases Compared to Big Ten Publics

Average Annual In-State Undergraduate
Tuition and Fee Percentage Increase AY11-AY16

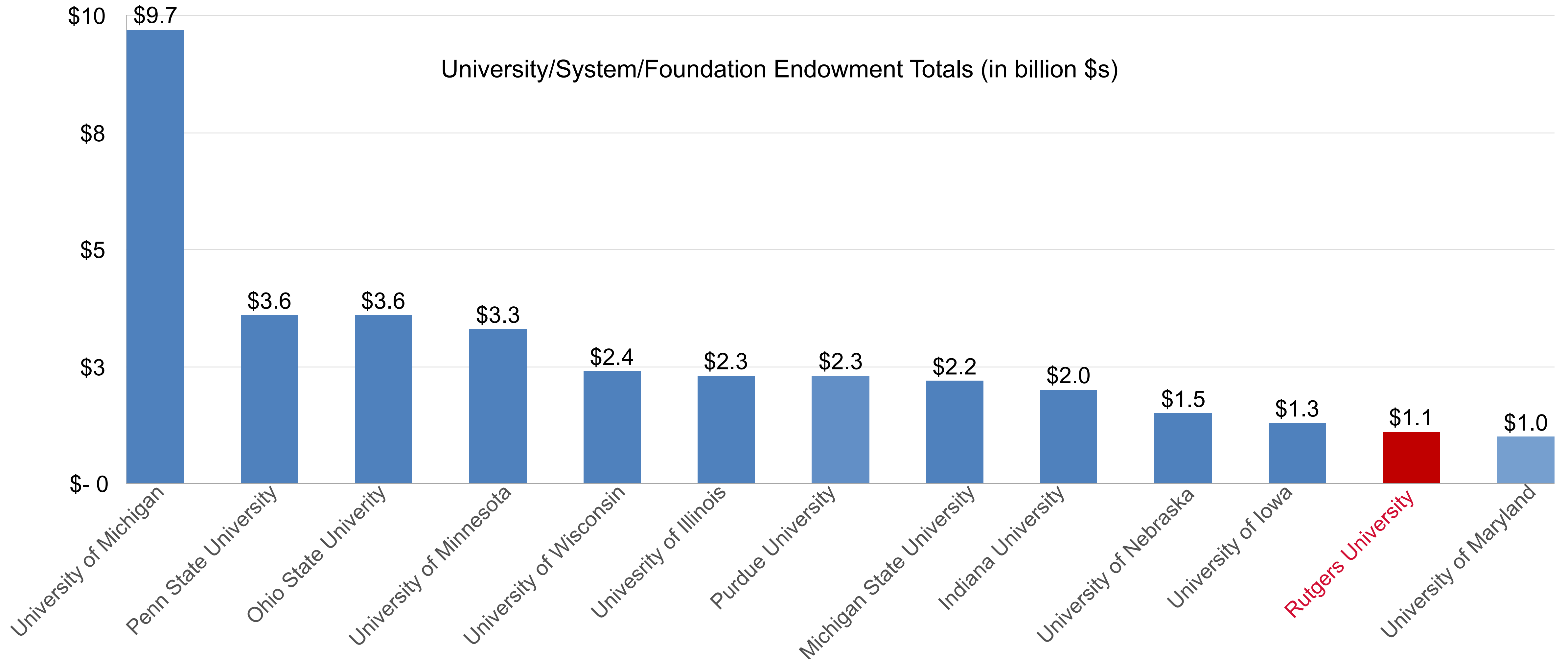


Benchmarking Rutgers University–NB among the Big Ten Public Institutions

Endowment

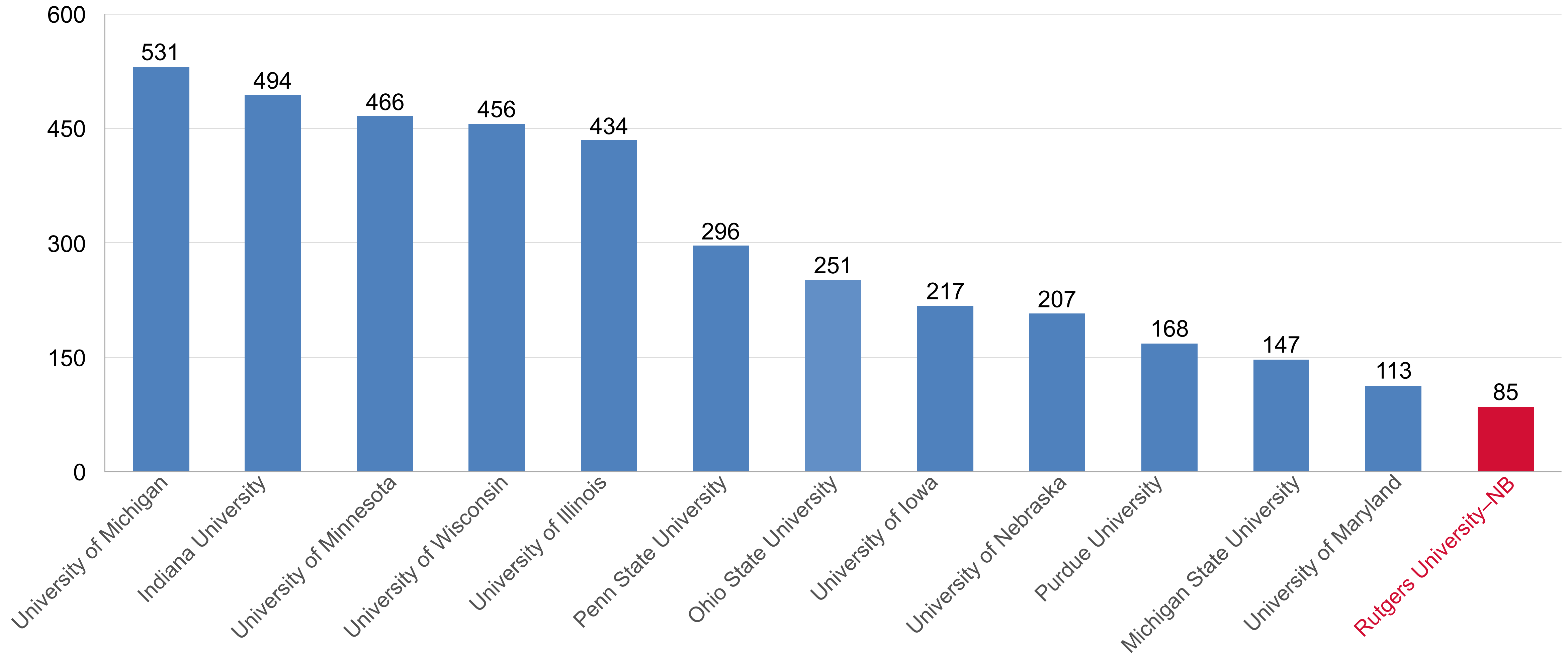
Big Ten Publics: Endowment \$

NACUBO/Commonfund Data FY 2016



Big Ten Publics: Endowed Faculty Positions

Number of Endowed Faculty Positions - 2016



Source: Data from Michigan State's Office of University Advancement
Figures for Illinois and Nebraska are for 2012.

Benchmarking Rutgers University–NB among the Big Ten Public Institutions

Rankings

Popular U.S. and International Rankings and Typical Ranking Metrics

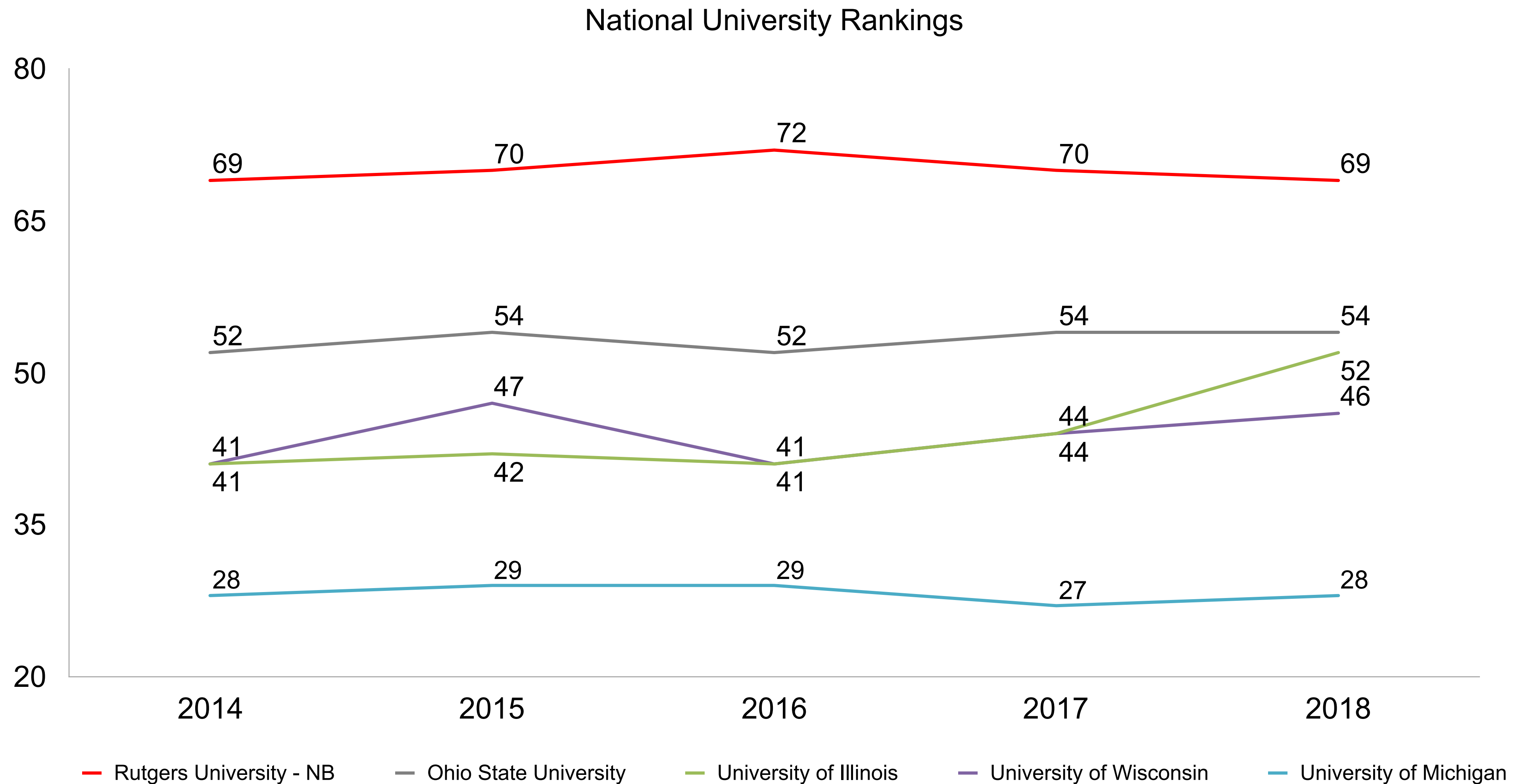
	Rankings	Typical Metrics
U.S.	US News Wall Street Journal/Times Higher Education (WSJ/THE) Forbes Kiplinger Washington Monthly	-Student Selectivity (SATs, Admit Rate, % in top of class, etc.) -Student Success (Graduation & Retention Rates) -Reputation -Financial and Faculty Resources (Expenditures per FTE, Student-Faculty Ratio)
International	Academic Rankings of World Universities (ARWU) – Shanghai US News – International Times Higher Education Center for World University Rankings (CWUR) QS World University Rankings–London	-Research & Teaching Reputation -Research Productivity (e.g. publications, citations, research income) -International Collaboration

U.S. Rankings for the Big Ten Publics

U.S. Undergraduate Program Rankings, BIG 10 Publics					
School	US News	WSJ/THE	Forbes	Kiplinger	Washington Monthly
University of Michigan-Ann Arbor	28	27	38	86	37
University of Wisconsin-Madison	46	71	87	102	26
University of Illinois at Urbana-Champaign	52	48	69	108	-
Pennsylvania State University-Main Campus	52	125	142	217	145
Ohio State University-Main Campus	54	69	131	107	119
Purdue University-Main Campus	56	43	143	134	25
University of Maryland-College Park	61	82	72	80	70
University of Minnesota-Twin Cities	69	122	139	56	54
Rutgers University	69	147	158	148	68
University of Iowa	78	145	176	296	96
Michigan State University	81	80	178	236	38
Indiana University-Bloomington	90	138	147	272	80
University of Nebraska-Lincoln	124	467	253	245	174
*If a range is given, lower number in range is listed.					
**If more than one Rutgers campus is ranked, New Brunswick is referenced.					
***Year Referenced: US News 2018, WSJ/THE 2018, Forbes 2017, Kiplinger 2017, ARWU 2017, CWUR 2017, Washington Monthly					

Trends in US News National Rankings

Rutgers Compared to Selected Higher-Ranked Peers



International Rankings for the Big Ten Publics

World University Rankings, BIG 10 Publics					
School	ARWU (Shanghai)	US News - International	Times Higher Education	CWUR	QS
University of Michigan-Ann Arbor	24	17	21	22	21
University of Wisconsin-Madison	28	31	43	26	55
University of Minnesota-Twin Cities	34	42	56	46	163
University of Illinois at Urbana-Champaign	37	51	37	36	69
University of Maryland-College Park	53	50	69	80	129
Purdue University-Main Campus	77	103	60	64	105
Rutgers University	79	97	172	49	283
Ohio State University-Main Campus	80	46	70	48	86
Pennsylvania State University-Main Campus	85	66	77	58	93
Michigan State University	101	81	83	130	149
Indiana University-Bloomington	101	129	117	135	304
University of Iowa	151	153	201	139	421
University of Nebraska-Lincoln	151	272	301	316	501
*If a range is given, lower number in range is listed.					
**If more than one Rutgers campus is ranked, New Brunswick is referenced.					
***Year Referenced: US News 2018, THE 2018, ARWU 2017, CWUR 2017, QS 2018					

What does this all mean for Rutgers?



Edward J. Bloustein
President, Rutgers University
1971-1989



G. Wayne Clough
President, Georgia Institute of Technology
1994-2008

Questions?

Comments?

Ideas for future conversations