



Presented By Michele J. Hansen, Ph.D., Executive Director, Institutional Research and Decision Support (IRDS)

Implications of Banded Tuition Implementation Fall 2016

Potential Benefits of Taking 15 or More Credit Hours Per Semester



- “The math is obvious: There’s no chance of graduating on time without accomplishing at least 15 credits each semester, or 30 over each academic year.”
- “Research has shown that students are more likely to get better grades.”
- “By finishing on time, students have more options. They can get an advanced degree, take time off to travel or volunteer, or start working full-time.”

Complete College America and the University of Hawaii

- IUPUI students who enrolled consecutively in 15 or more credit hours were more likely to graduate on time (within four years).



IUPUI - Undergraduate Instructional Fees

Fall 16 Spring 17 Resident Non Resident

per credit hour	\$271.37	\$957.58
1-11 and 19+		
Band 12-18 CH	\$4,070.55	\$14,363.70

Fall 2015 and Spring 2016

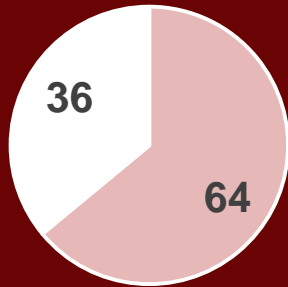
per credit hour	\$266.95	\$957.58
12	\$3,203.40	\$11,490.96
13	\$3,470.35	\$12,448.54
14	\$3,737.30	\$13,406.12
15	\$4,004.25	\$14,363.70
16	\$4,271.20	\$15,321.28
17	\$4,538.15	\$16,278.86
18	\$4,805.10	\$17,236.44



Degree Seeking Undergraduate Students

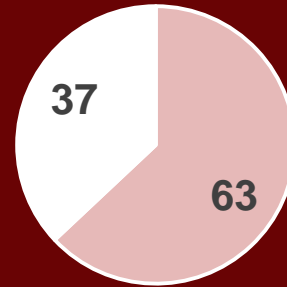
Game Changer! All Full-Time Undergraduates

2011



■ <15 ■ 15 or more

2012

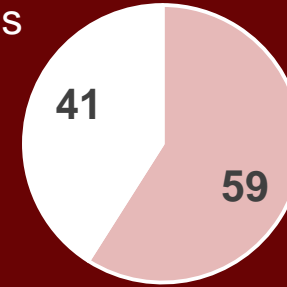


■ <15 ■ 15 or more



Interventions
begin

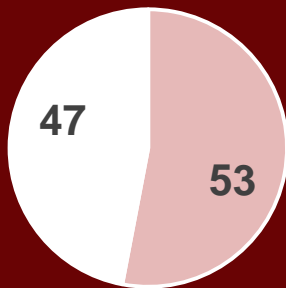
2013



■ <15 ■ 15 or more

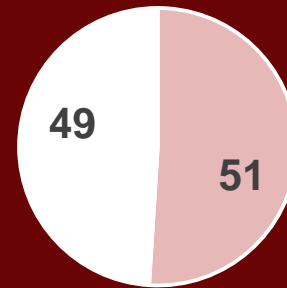
“Institutional
Policies &
Practice That
Support 15 to
Finish” Dr.
Kathy E.
Johnson, Chief
Academic
Officer, IUPUI

2014



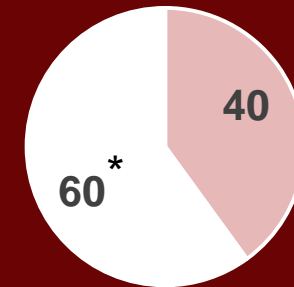
■ <15 ■ 15 or more

2015



■ <15 ■ 15 or more

2016



■ <15 ■ 15 or more

*IU Bloomington: 68%



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Banded Tuition & Credit Load

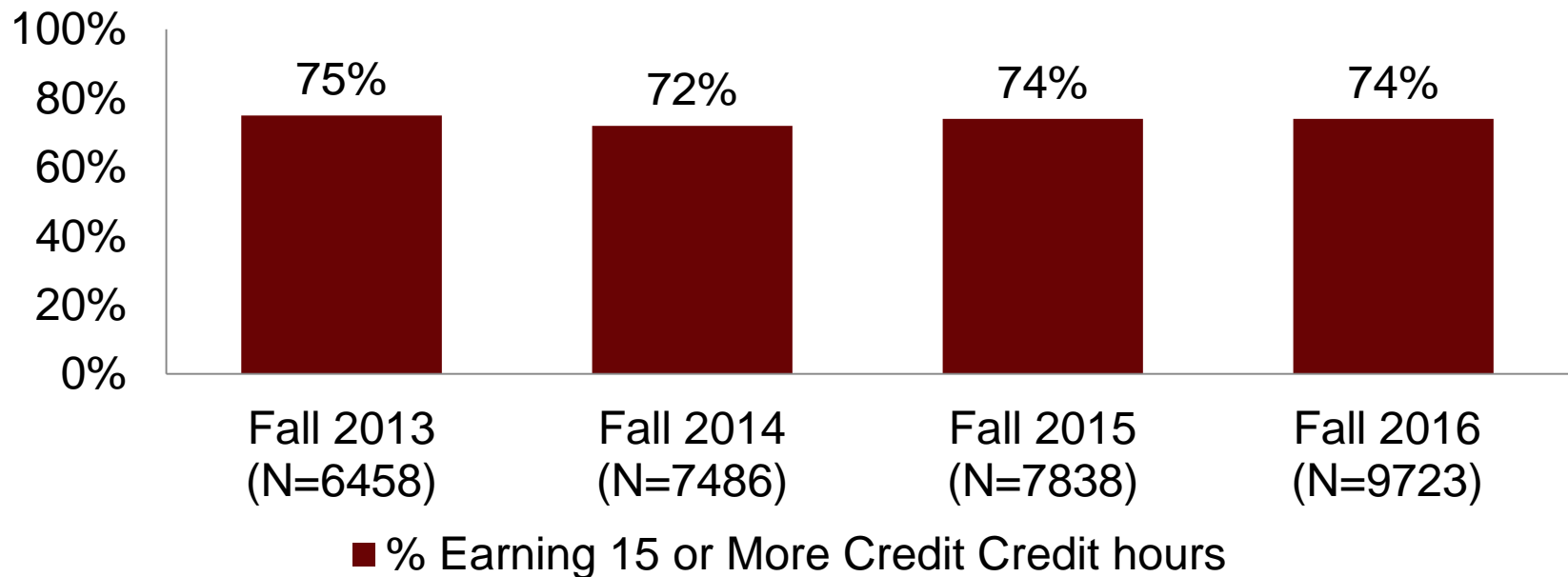
10% more students enrolled in 15 or more credit hours compared to Fall 2015

Full-Time Undergraduate Enrollment by Student Credit Hour Load

Credits	2015 N	% Share	%	2016 N	% Share	%	YTD Dif
	Census			Census			
12	3455	21.8%	50.6%	2520	15.5%	40.3%	-9.3%
13	2346	14.8%		1904	11.7%		
14	2236	14.1%		2128	13.1%		
15	3954	24.9%	49.4%	4399	27.0%	59.7%	10.3%
16	2239	14.1%		2847	17.5%		
17	1000	6.3%		1324	8.1%		
18	592	3.7%		1065	6.5%		
18+	53	0.4%		88	0.6%		
Total UG	15,875			16,275			

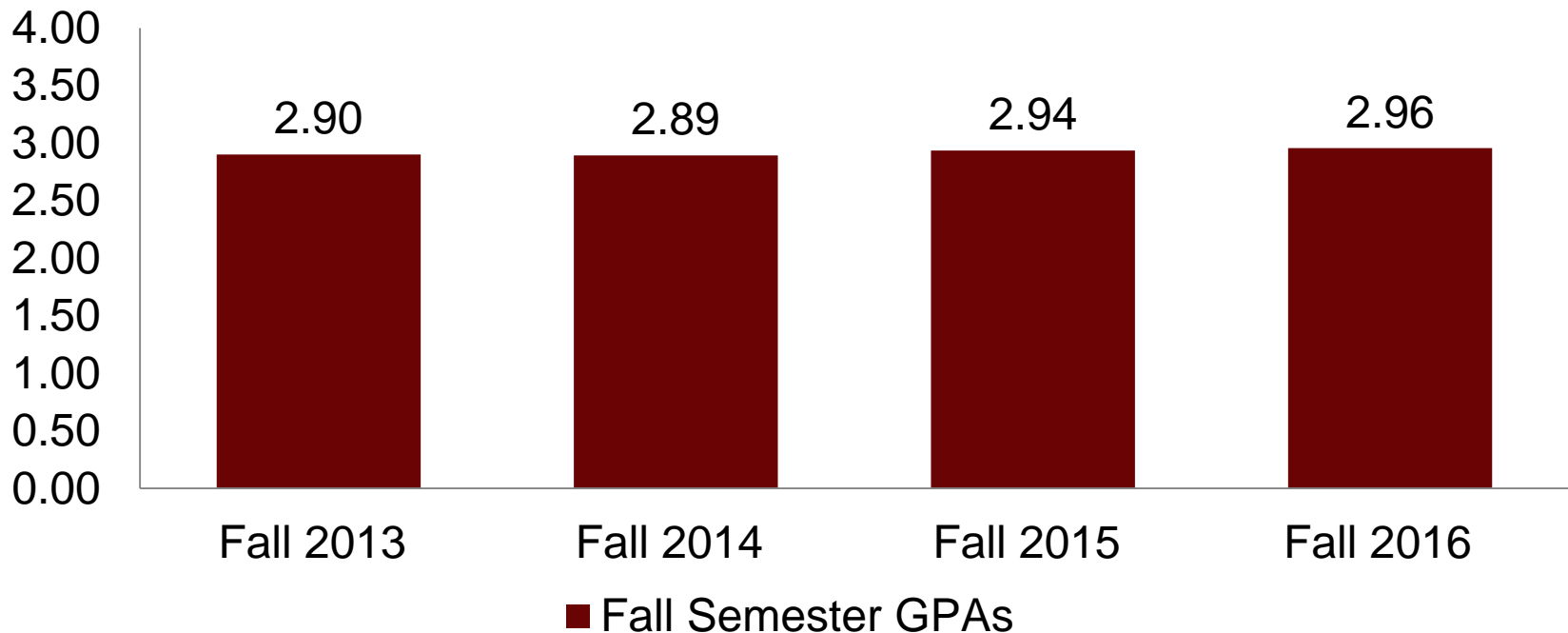
Success Rates of Students Who Attempted 15 or More Credit Hours

**All Degree Seeking IUPUI IN Undergraduates
Passed with D- or Better
N is Total Population**



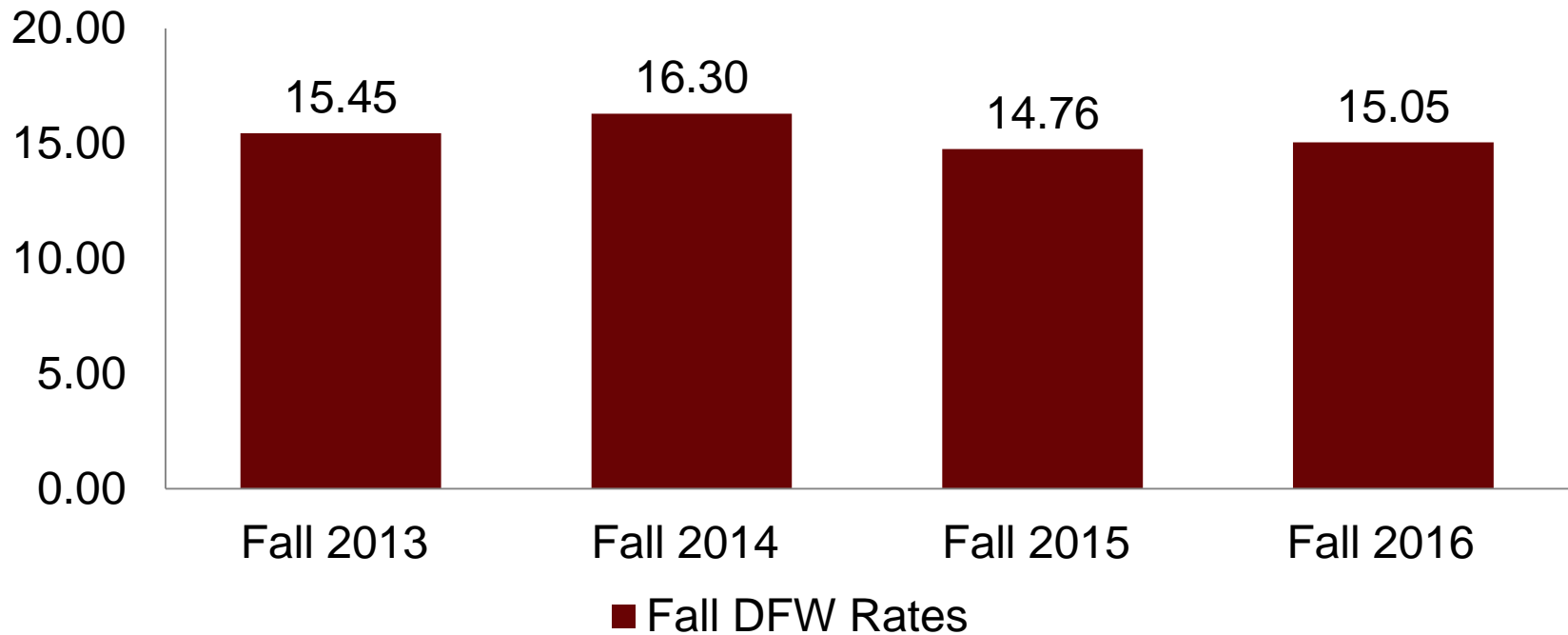
Academic Performance of Full-Time Undergraduates

All Degree Seeking IUPUI IN Undergraduates Fall Semester GPAs



DFW Rates of Full-Time Undergraduates

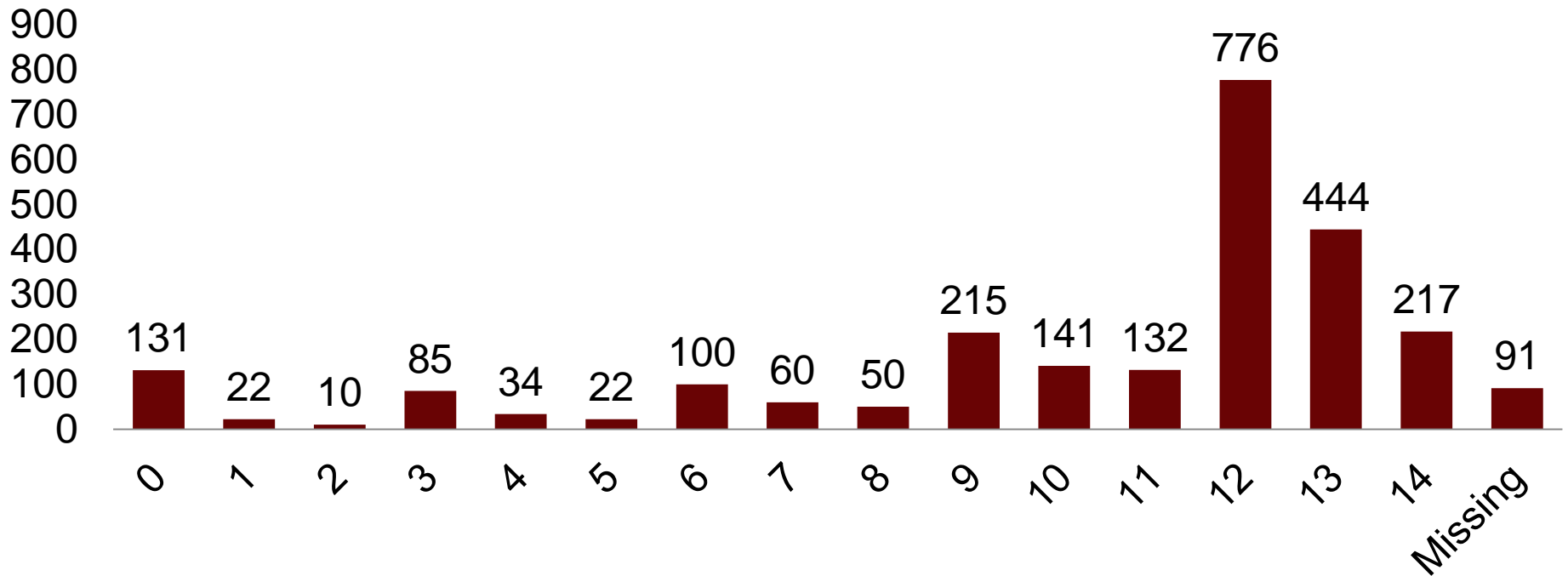
All Degree Seeking IUPUI IN Undergraduates Fall DFWs



DFW rate is the % of Ds, Fs, and Withdrawals

Students Who Failed to Earn 15 or More Credit Hours (2530/9730 or 26%)

of Undergraduate Degree Seeking Students by Credit Hours Earned



■ # of Undergraduate Students

Of the 91 with Missing hours, 86 dropped/withdrew from all courses without a grade and 5 had a mixture of W, I and blank grades.



Among the undergraduates students who attempted 15 or more credit hours in Fall 2016 and failed to earn 15 or more (91 withdrew before earning a grade):

- Average Fall GPA = 2.17
- % Fall GPA < 2.0 = 42%
- Average Fall Hours Earned = 10.20
- Fall to Spring Retention Rate IUPUI = 81%



Which Full-Time 2016 Undergraduate Students Tended to Enroll in 12-14 Credit Hours?

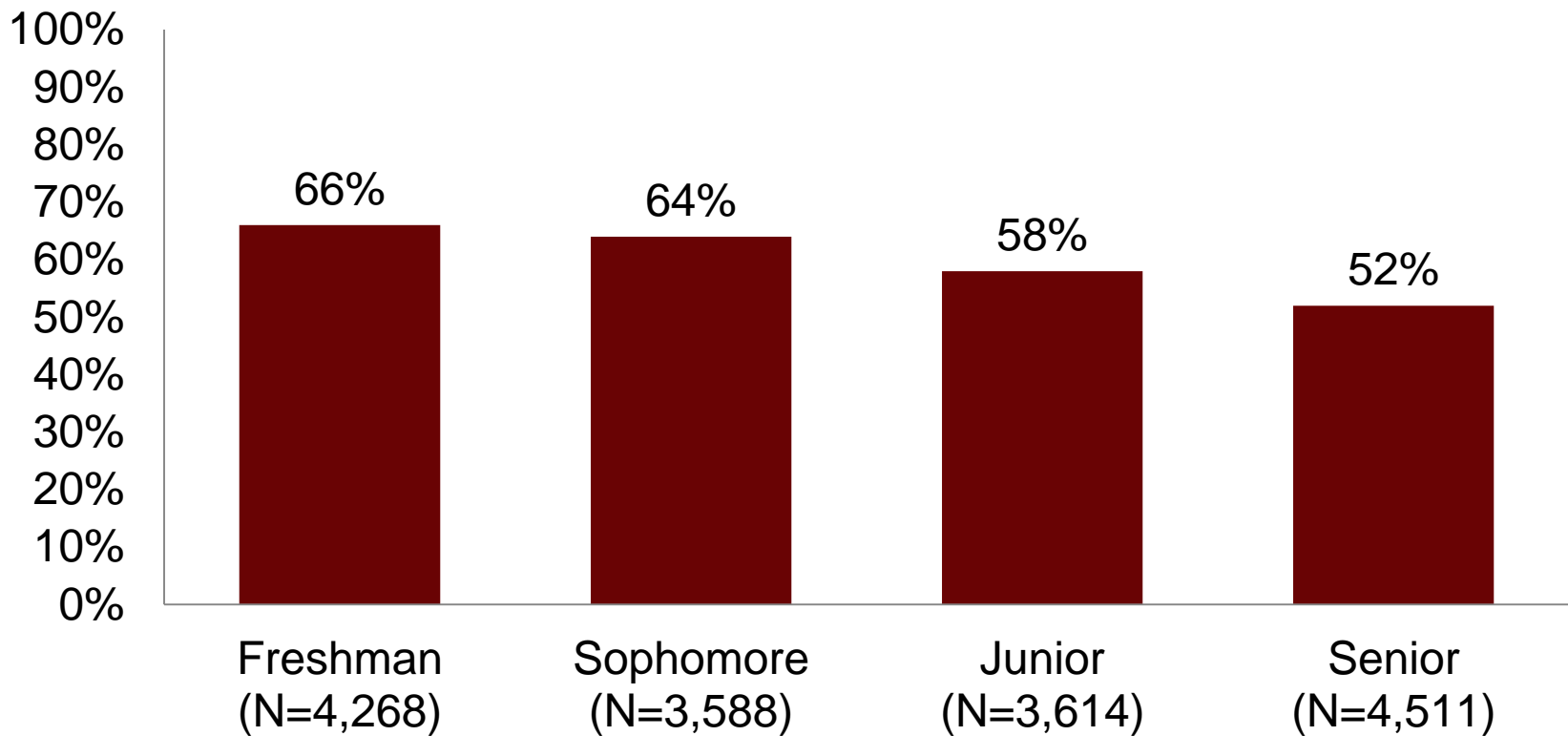
- Juniors and Seniors
- Transfer Students and Returning/Continuing Students
- Students With Lower Incomes or Higher Levels of Unmet Need (15+ = \$4,950 and less than 15 = \$6,251)
- Students who identified as African American/Black
- University College Students
- Students 25 Years Old or Older (% Students 25 Years or Older 15+ = 8% and less than 15 = 18%)
- Less Academically Prepared Students (lower HS GPAs and SAT Scores)
- Students who lived off-campus

Compared to students who attempted and completed 15 or more IU credit hours during the fall semester (N=7,193), those who attempted but did not complete significantly (N=2,530):

- More Likely to be University College students (not direct/dual admits)
- Lower High School GPAs and SAT scores
- More likely to receive a Federal Pell Grant and have higher levels of Unmet Financial Need
- More likely to be Men
- More likely to be First-Generation College Students (29% compared to 35%)
- Higher proportion of underrepresented students meaning African American, Latino/Hispanic, or Two or More Races (19% compared to 27%)
- Lower levels of academic performance (2016 Fall Semester GPA 3.28 compared to 2.17)
- Lower Fall –Spring Retention Rates (97% compared to 81% IUPUI IN)

2016 % Full-Time Attempting 15 or More Credit Hours by Student Level

All Bachelor Degree Seeking IUPUI IN
N is Total Population

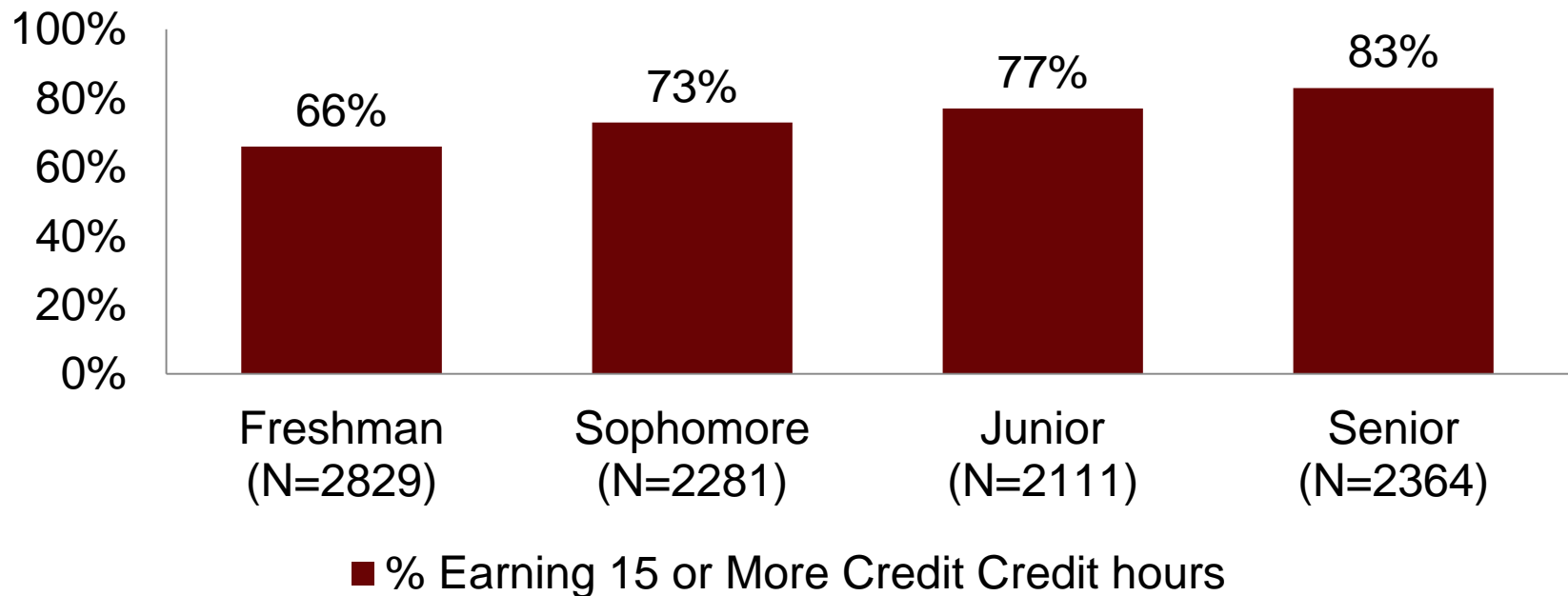


■ % Attempting 15 or More Credit Credit hours



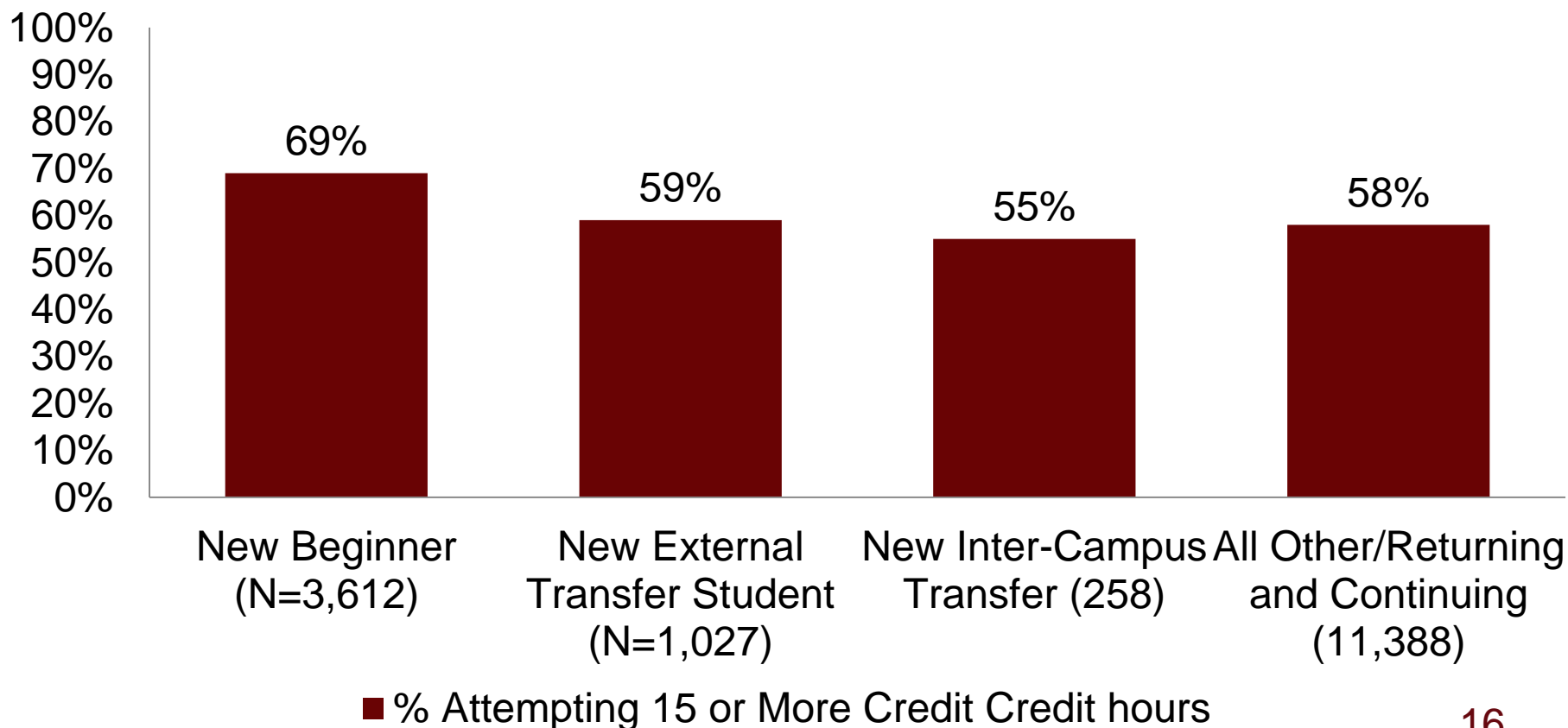
2016 Success Rates of Students Who Attempted 15 or More Credit Hours by Student Level

**All Bachelor Degree Seeking IUPUI IN Undergraduates Passed with D- or Better
N is Total Population**



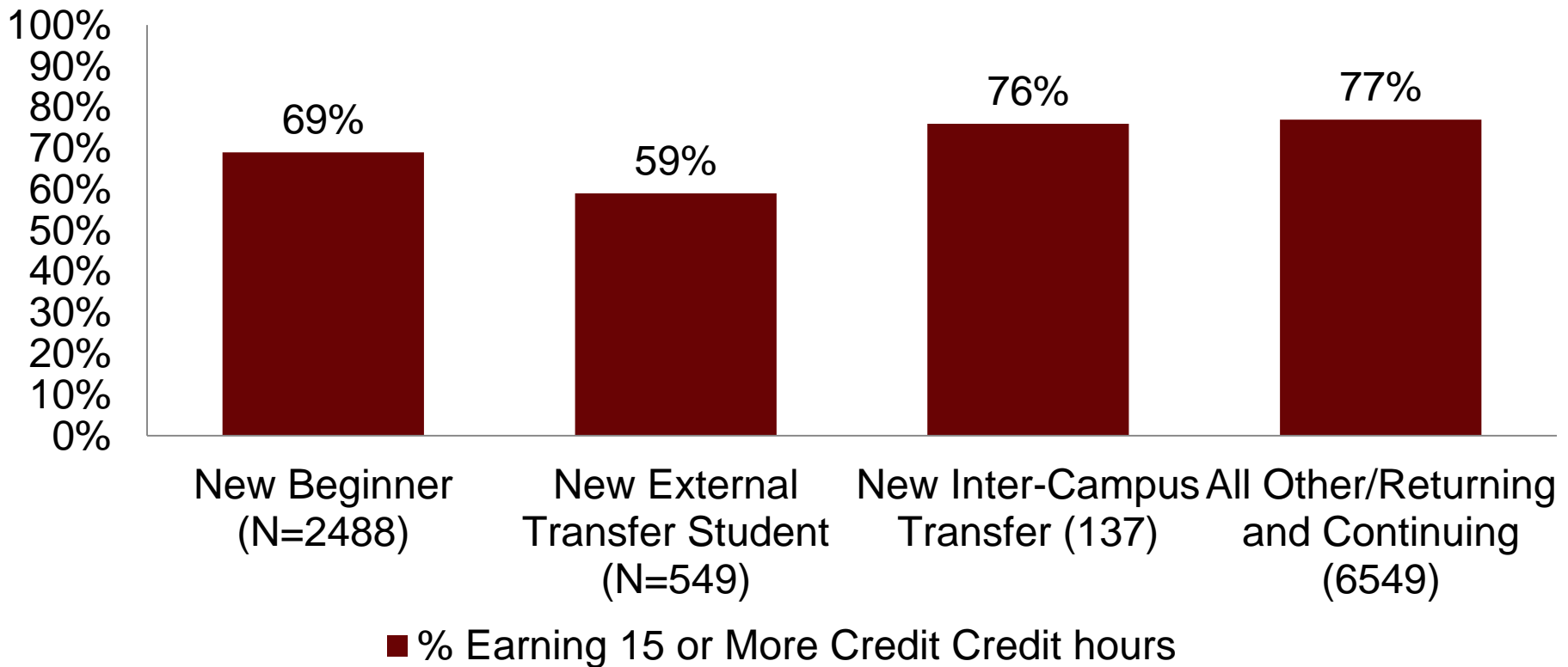
2016 % Full-Time Attempting 15 or More Credit Hours by Student Type

All Undergraduate Degree Seeking IUPUI
N is Total Population



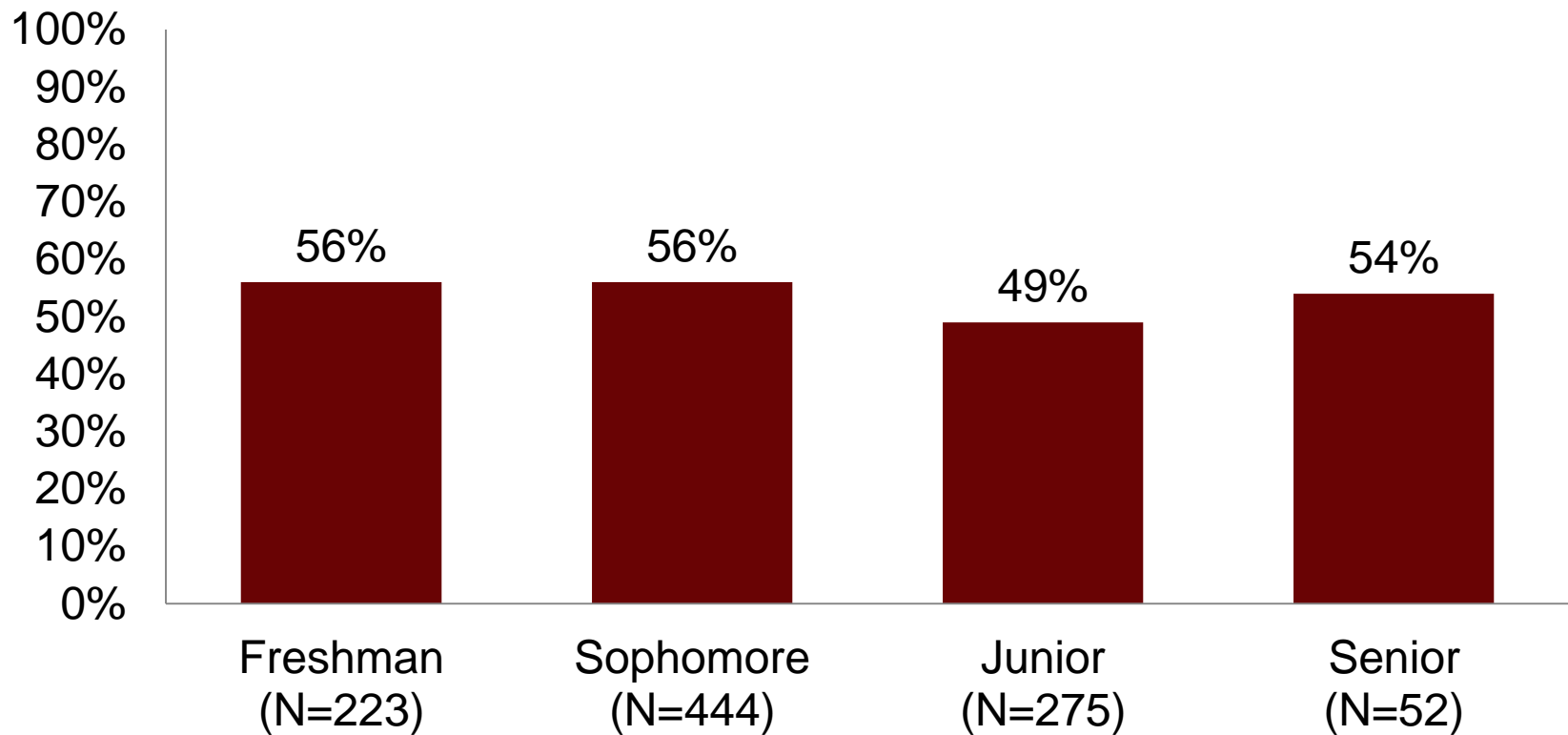
Fall 2016 Success Rates of Students Who Attempted 15 or More Credit Hours by Student Type

**All Undergraduate Degree Seeking IUPUI Undergraduates Passed with D- or Better
N is Total Population**



2016 % Full-Time External Transfer Students Attempting 15 or More Credit Hours by Student Level

All New External Transfer Students IUPUI IN
N is Total Population

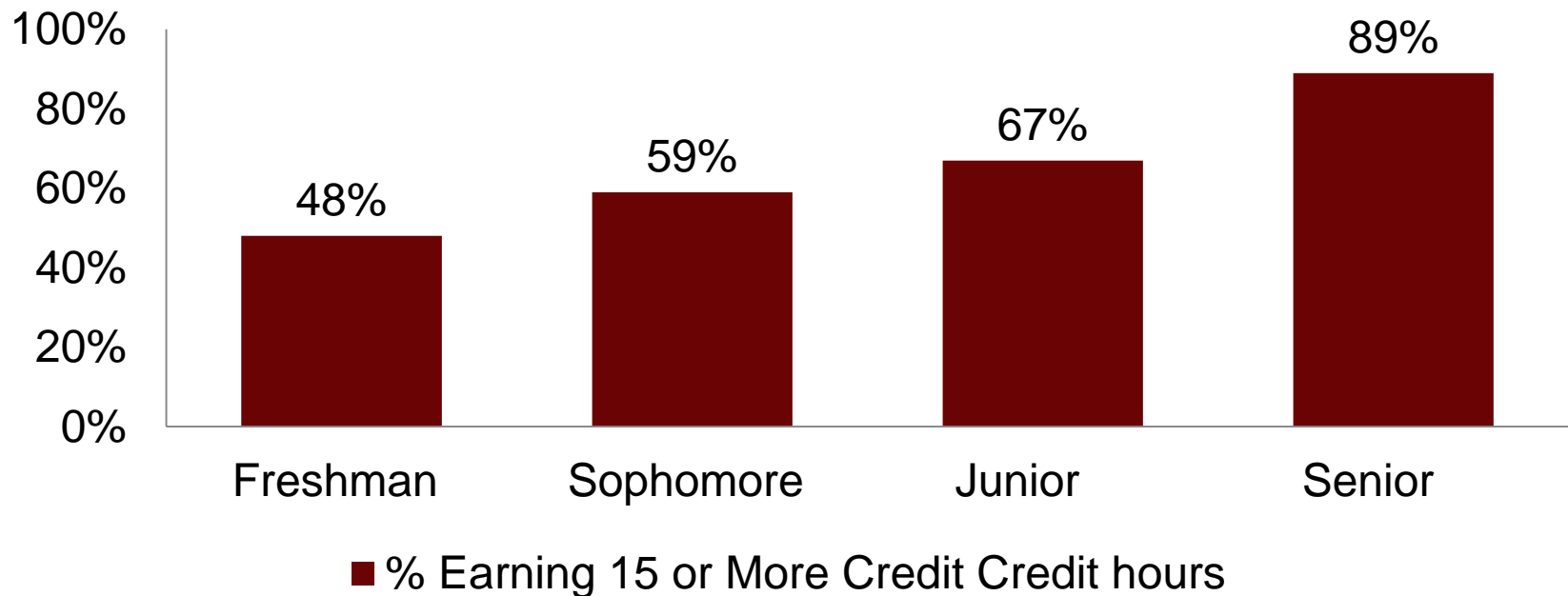


■ % Attempting 15 or More Credit Credit hours



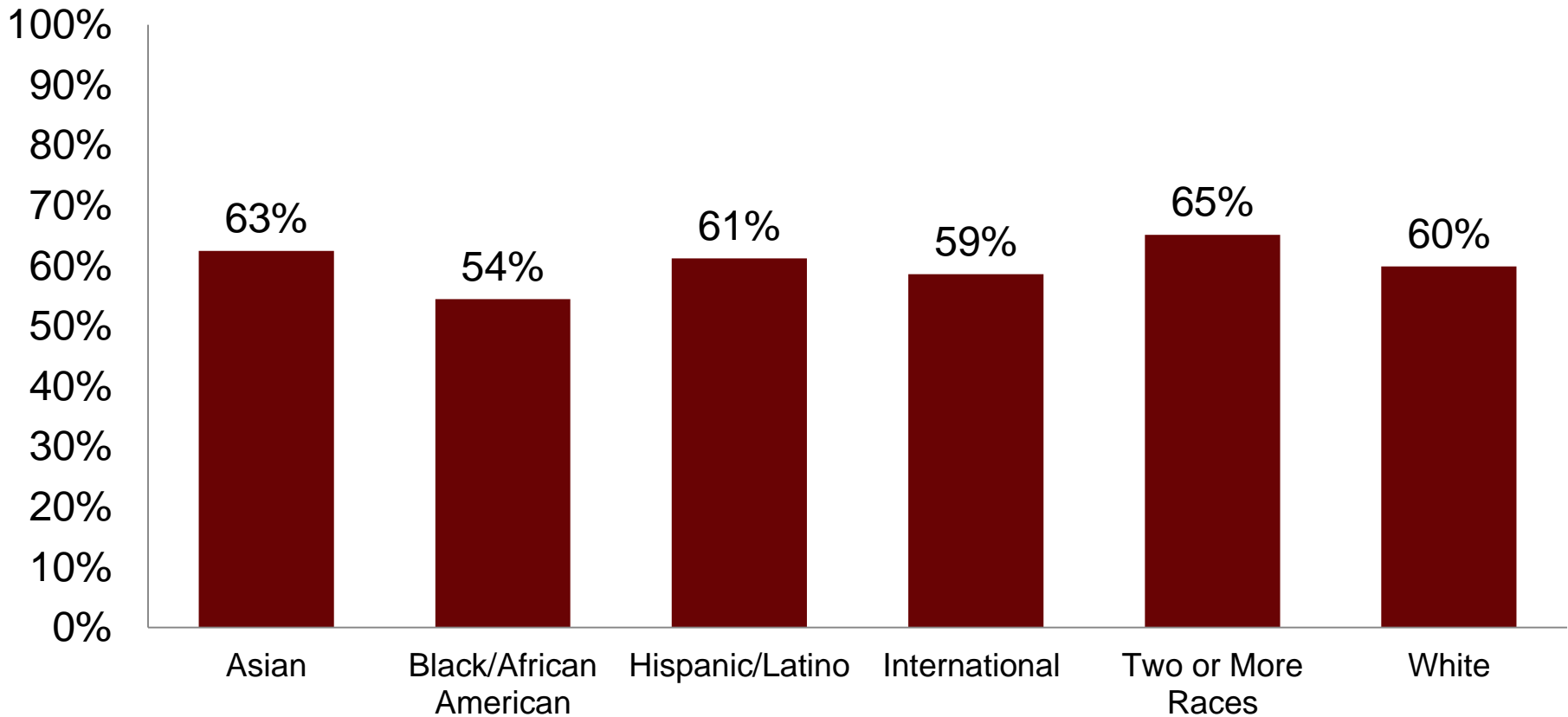
2016 External Transfer Students Success Rates of Students Who Attempted 15 or More Credit Hours by Student Level

**All New External Transfer Students IUPUI IN
Undergraduates Passed with D- or Better**



Fall 2016 % Full-Time Attempting 15 or More Credit Hours by Ethnicity

All Undergraduate Degree Seeking IUPUI

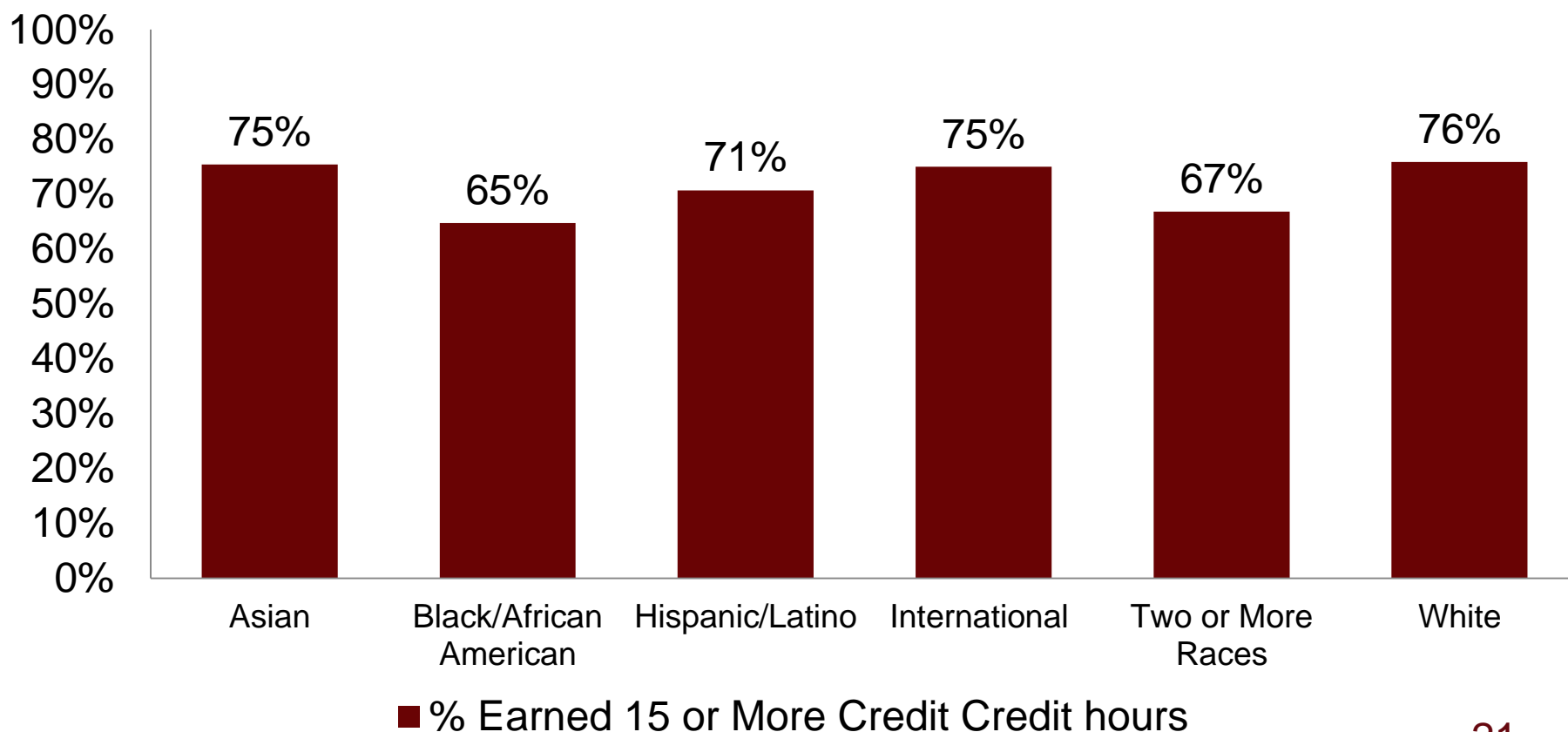


■ % Attempting 15 or More Credit Credit hours



Fall 2016 Success Rates of Students Who Attempted 15 or More Credit Hours by Ethnicity

All Undergraduate Degree Seeking IUPUI Undergraduates Passed with D- or Better



Dropped Courses and Withdrawal Behavior

All Undergraduates Attempting 15 or more and Earned less than 15 Top Ten Dropped Courses

Subject	Number	Description	N
MATH-M	118	FINITE MATHEMATICS	82
BIOL-K	101	CONCEPTS OF BIOLOGY	60
MATH	15300	ALGEBRA & TRIGONOMETRY	60
COMM-R	110	FUNDAMENTALS OF SPEECH COMM	56
MATH	11000	FUNDAMENTALS OF ALGEBRA	56
CHEM-C	105	PRINCIPLES OF CHEMISTRY I	56
ENG-W	131	READING, WRITING, & INQUIRY	52
BIOL-N	261	HUMAN ANATOMY	50
MATH	11100	ALGEBRA	49
CHEM-C	101	ELEMENTARY CHEMISTRY	44

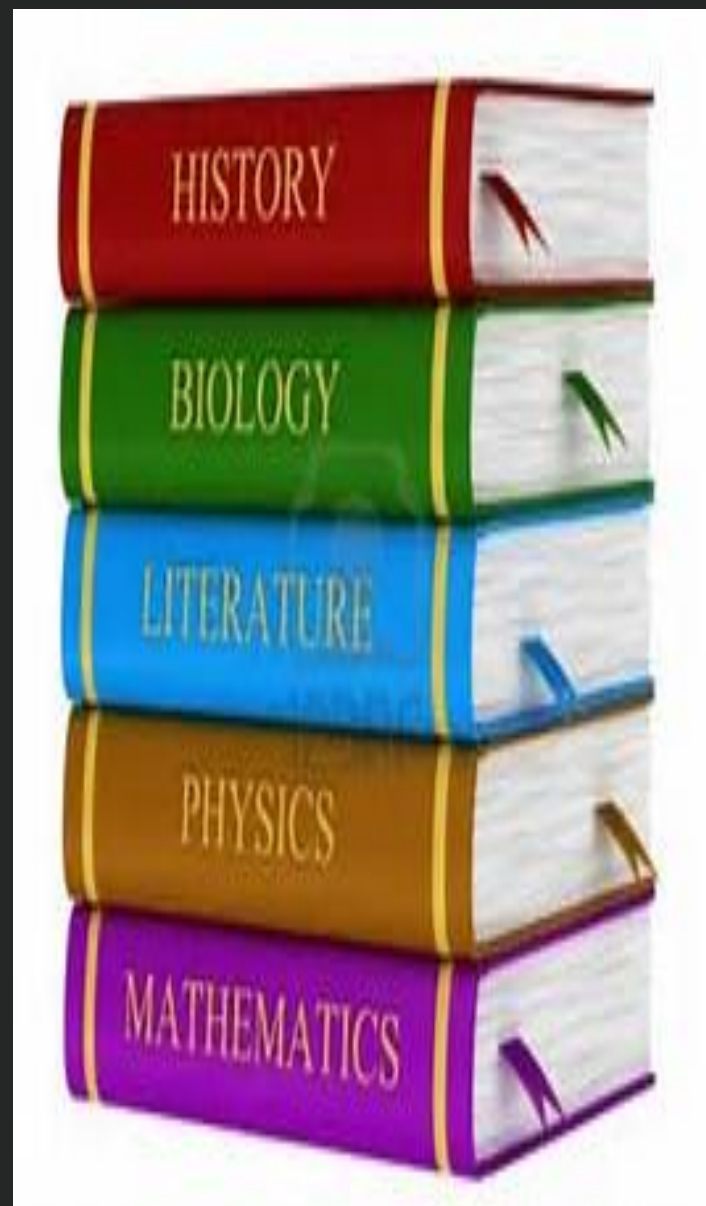


Dropped after Census

Beginners

Attempting 15 or more and Earned less than 15 Top Ten Dropped Courses

Subject	Number	Description	N
MATH	15300	ALGEBRA & TRIGONOMETRY	47
MATH	11000	FUNDAMENTALS OF ALGEBRA	40
BIOL-K	101	CONCEPTS OF BIOLOGY	39
MATH	11100	ALGEBRA	38
CHEM-C	105	PRINCIPLES OF CHEMISTRY I	36
MATH-M	118	FINITE MATHEMATICS	34
CHEM-C	101	ELEMENTARY CHEMISTRY 1	34
COMM-R	110	FUNDAMENTALS OF SPEECH COMM	31
ENG-W	131	READING, WRITING, & INQUIRY I	31
CHEM-C	125	EXPERIMENTAL CHEMISTRY I	22



Dropped after Census

All Degree Seeking IUPUI Indianapolis Undergraduates Withdrawal Behavior

Fall Term	# student taking 15>	Number of W Hours	Average W hours per student	% of students with W Grades
Fall 2013	6,458	1,049	0.7	16.2
Fall 2014	7,486	1,498	0.9	20.0
Fall 2015	7,838	1,406	0.8	17.9
Fall 2016	9,723	1,862	0.8	19.2

The W grades includes those students enrolled at the time of the corrected grades snapshot (this snapshot only selects enrolled students) plus those students who did a total withdraw (withdrew from all courses which would not show up on the snapshot).



Percentage of Total W Grades by Course Type

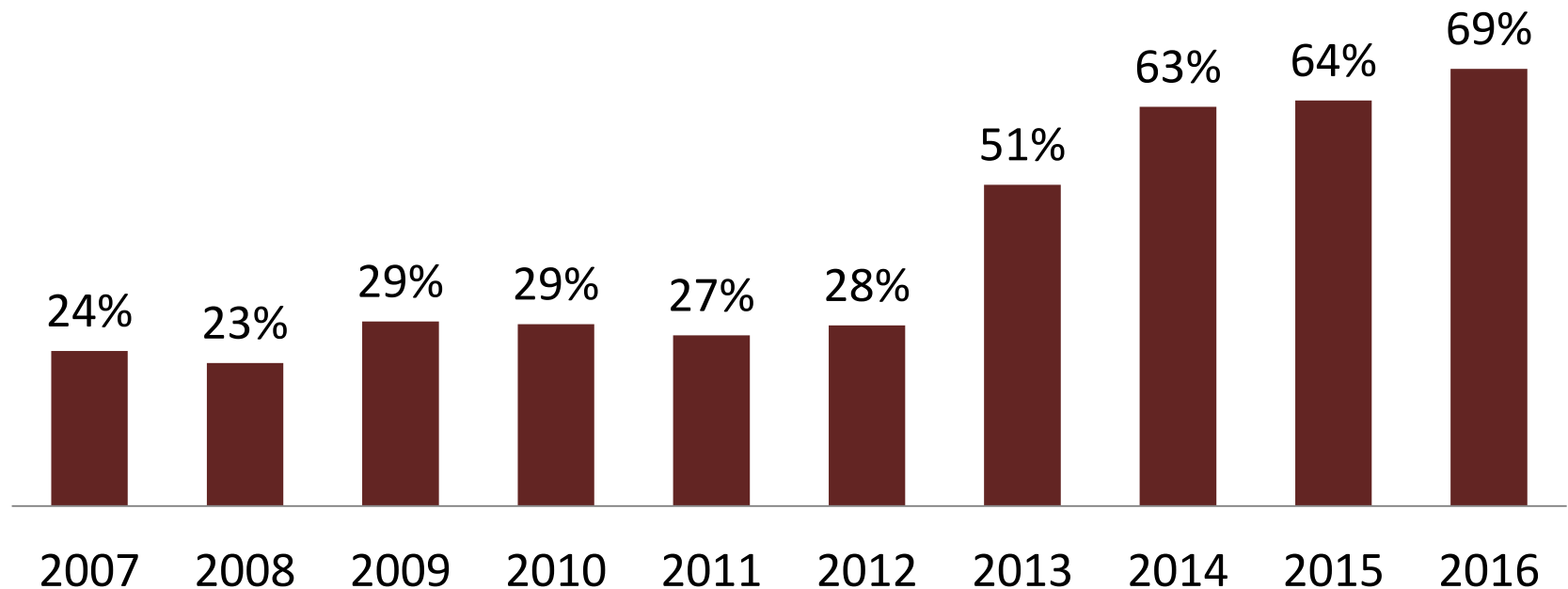
Course Type/Department	Fall 2013	Fall 2014	Fall 2015	Fall 2016
Biology	7.1%	7.8%	5.6%	5.4%
Chemistry	5.5%	6.1%	7.2%	5.9%
Communication	3.7%	5.0%	4.4%	3.1%
Math	13.0%	17.5%	20.6%	18.0%
Mechanical Engineering	0.9%	1.2%	0.7%	1.3%
Music	1.4%	1.6%	1.4%	1.4%
Psychology	3.5%	3.8%	2.0%	2.4%
Spanish	0.8%	2.4%	2.3%	2.4%



First-Time Beginners

Fall Beginners 15 or More Credit Hours Attempted

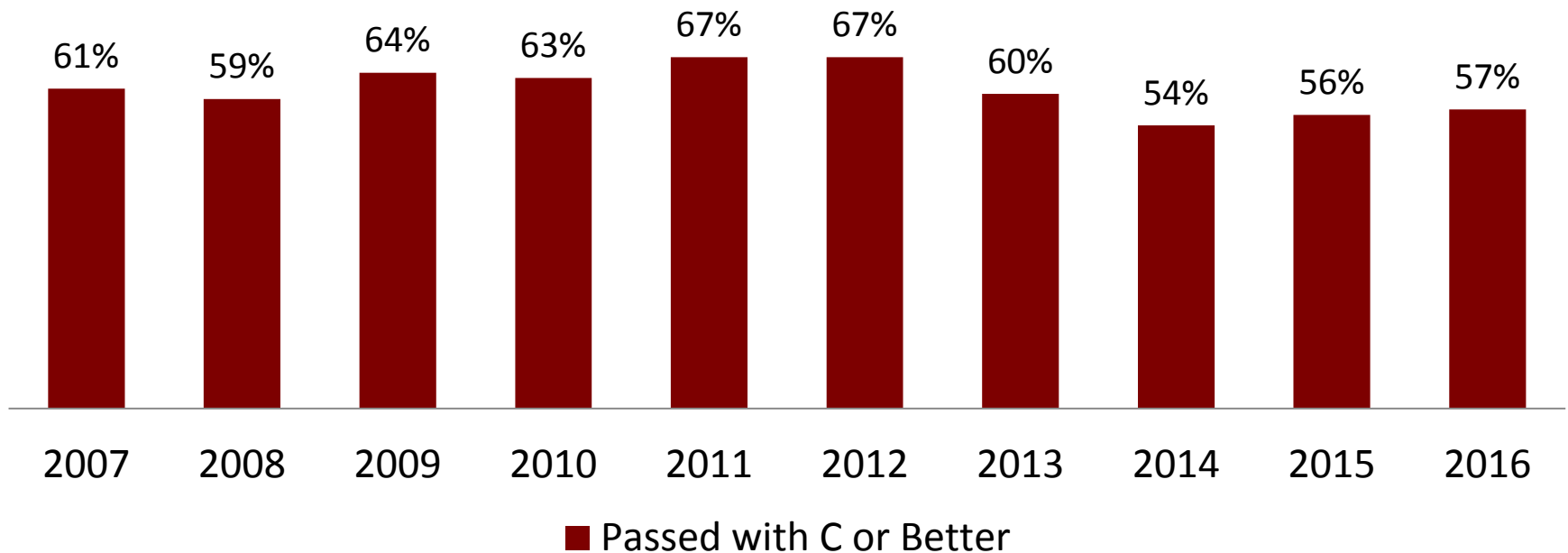
**% 15 IU Credit Hours or More Attempted
Fall First-time, Full-Time Beginners**



Fall Beginners

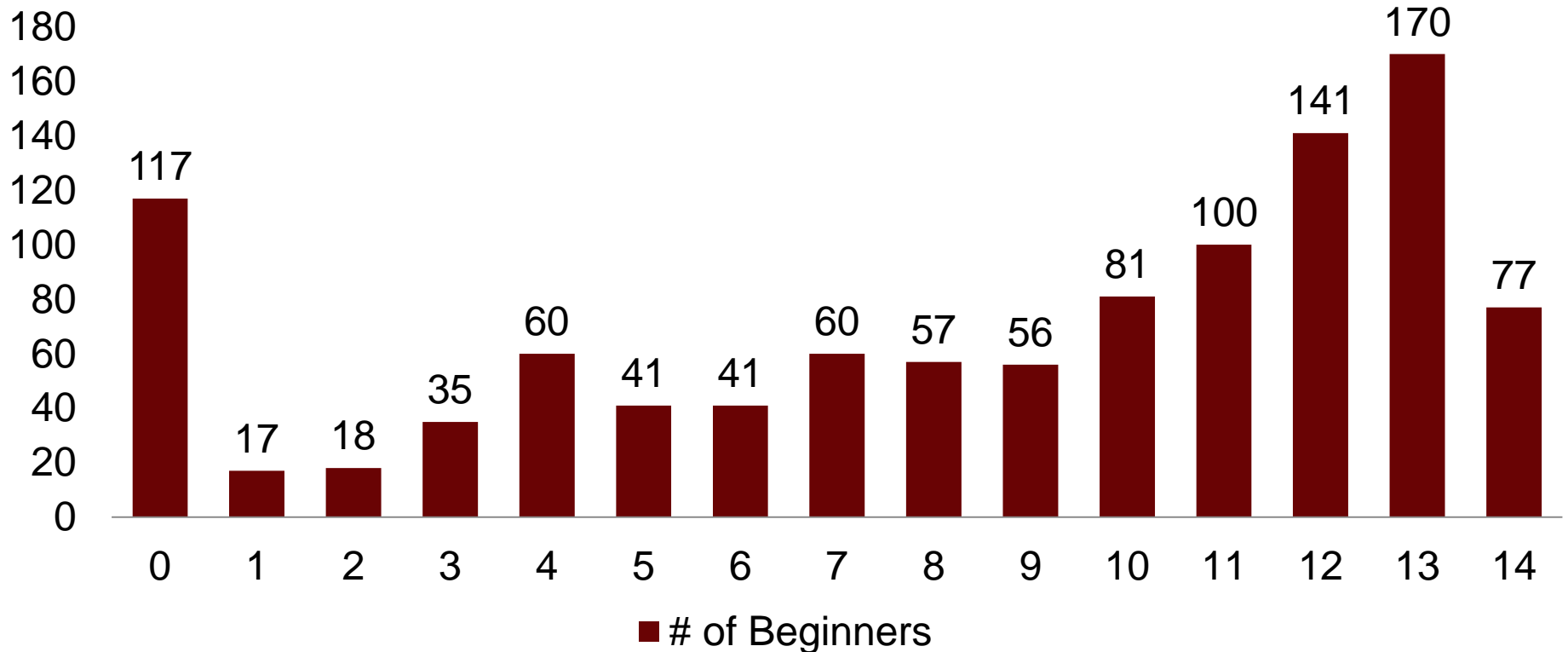
Percent Who Attempted 15+ and Completed

% Passed 15 or More Credit Hours With C or Better
First-Time, Full-Time Beginners who Attempted 15 or More



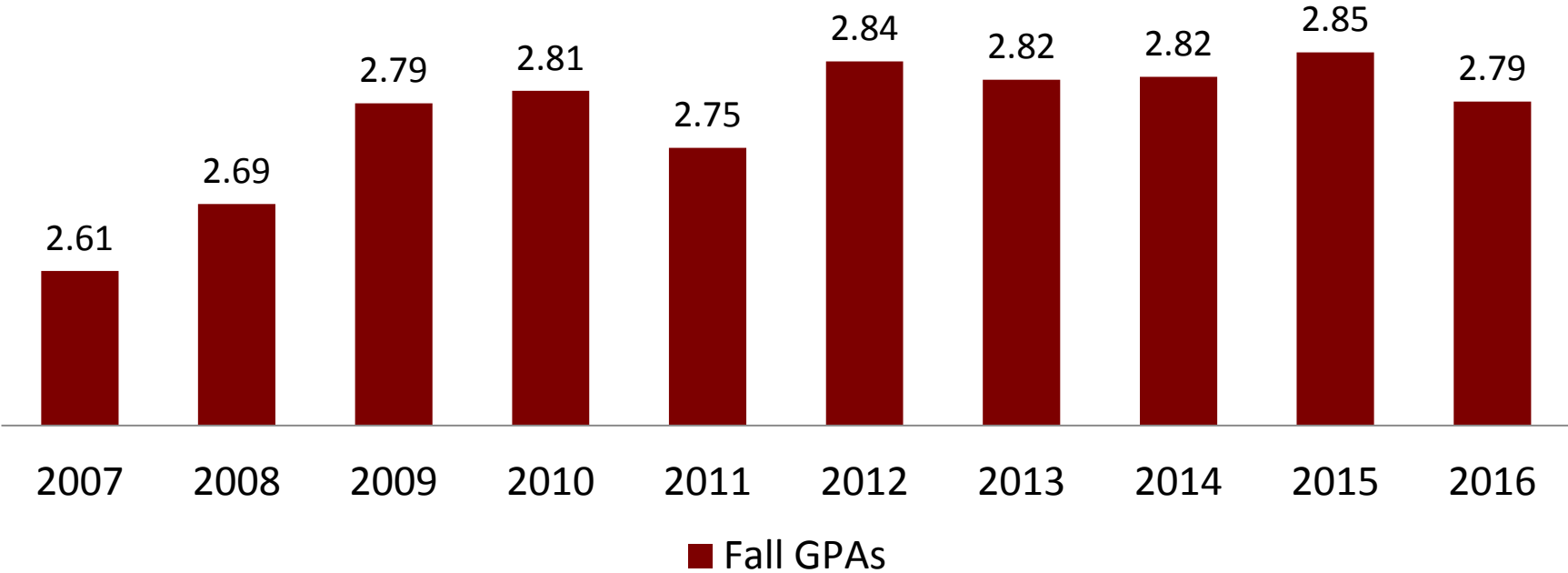
Students Who Failed to Earn 15 or More Credit Hours (N= 1,071)

of Fall Full-Time Beginners Students by Credit Hours Earned C or Better



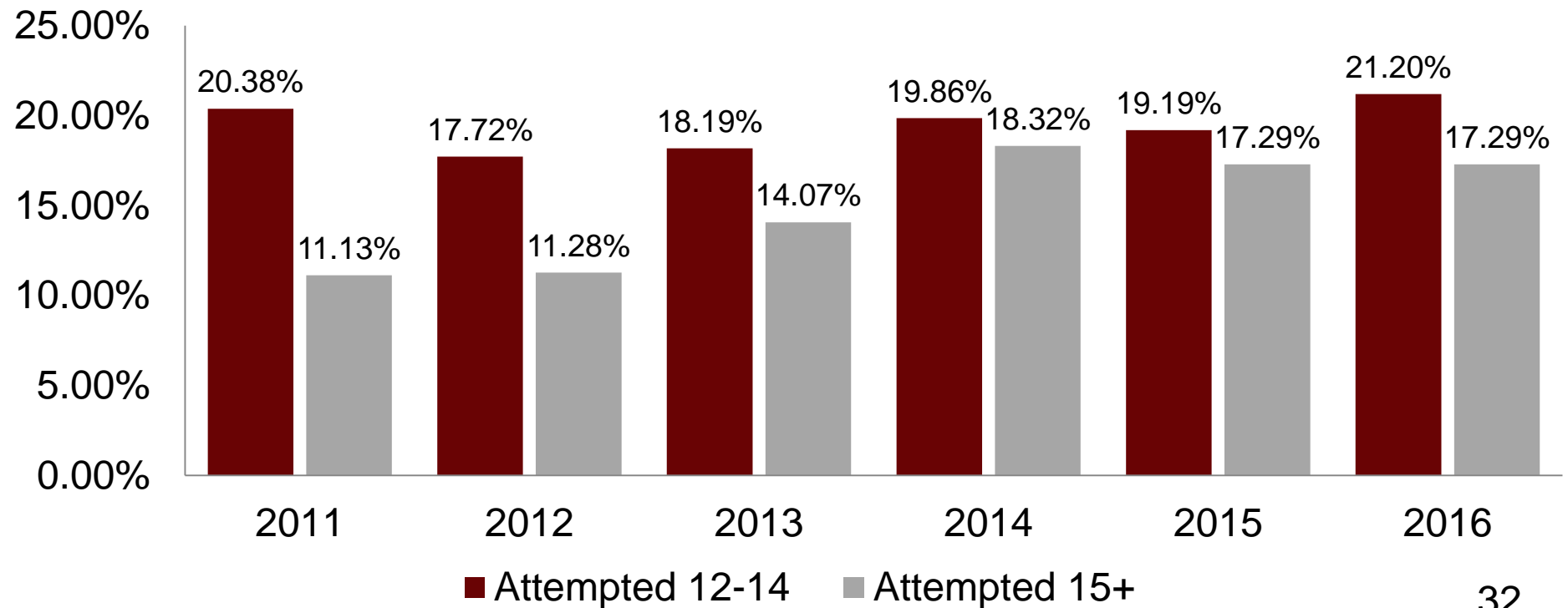
Beginners Fall Semester GPAs

Fall Semester GPAs
First-Time, Full-Time Beginners



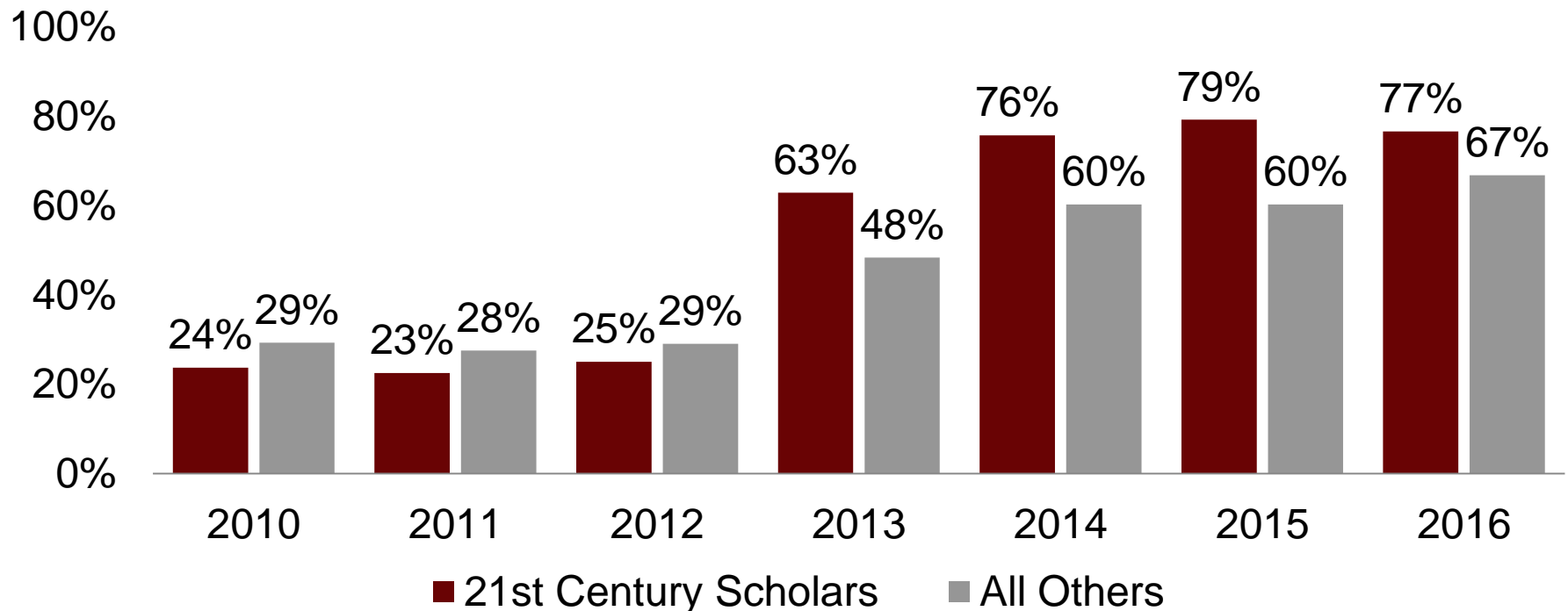
DWF Rates of First-Time, Full-Time Beginners Who Attempted 15+ Credit Hours Compared to Those Who Attempted 12-14 Credit Hours

First-Time, Full-Time IUPUI IN Beginners Fall DWF Rates



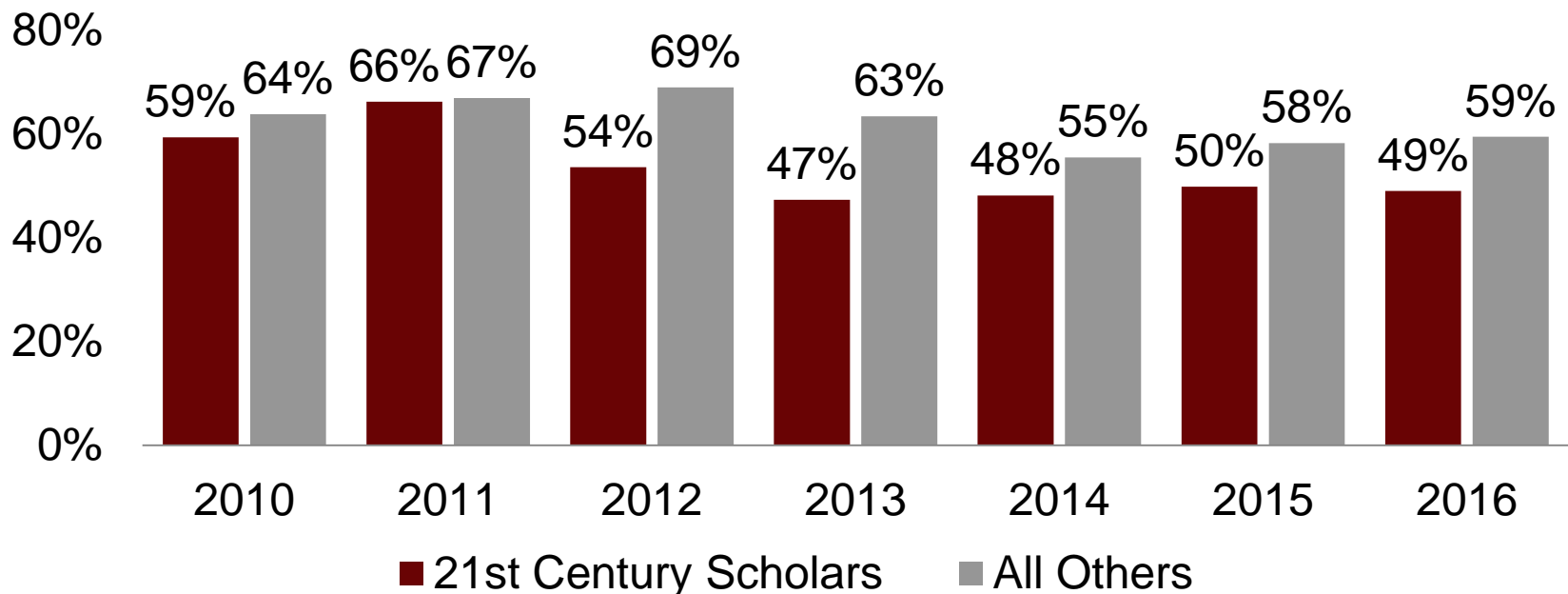
21st Scholars Full-time Beginners Attempting 15+ Credit Hours Compared to All Others

First-Time, Full-Time Beginners 21st Century Scholars – Received State Funds



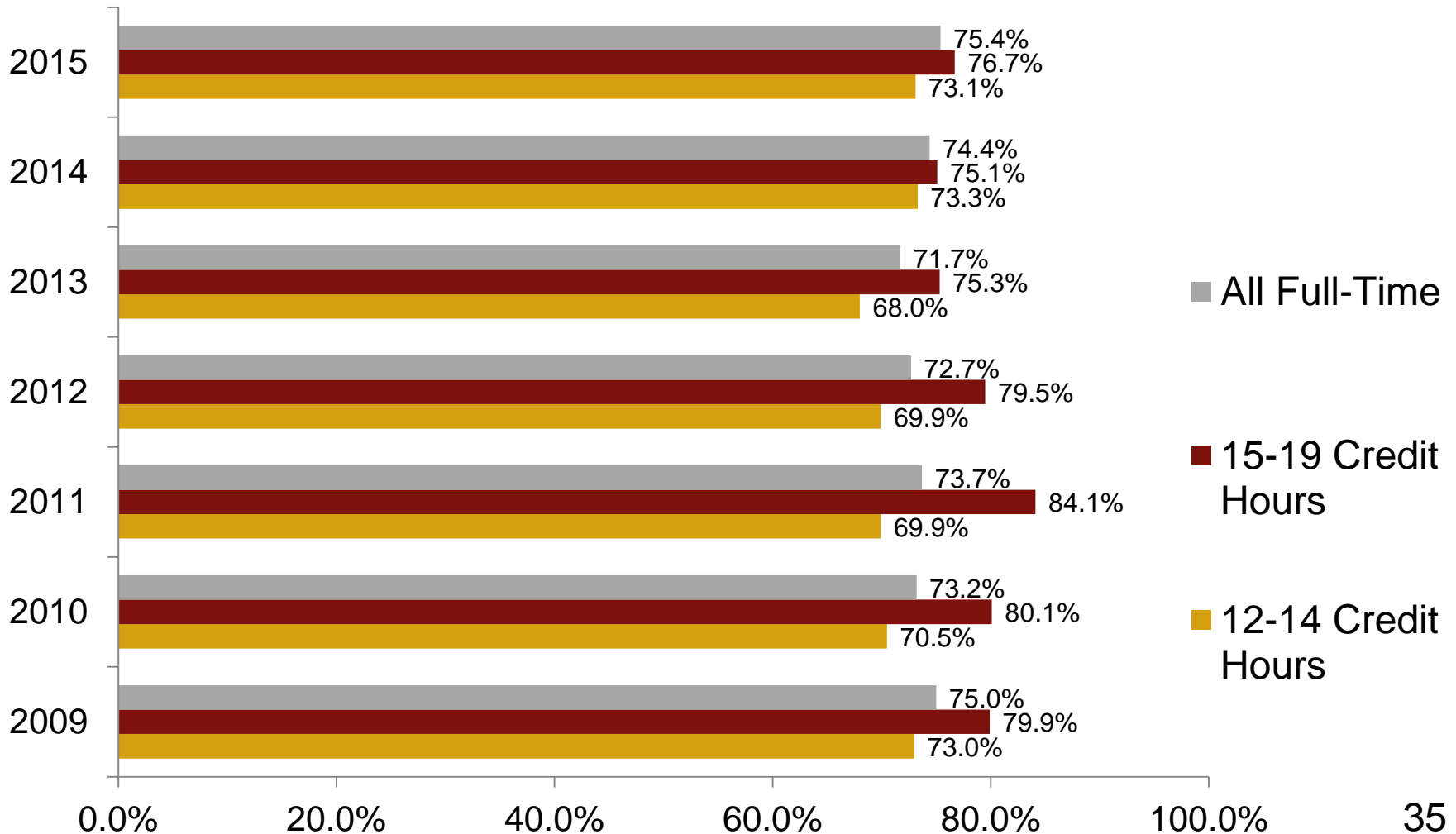
% of 21st Scholars Attempting 15+ Credit Hours and Earning 15 or More Compared to All Others

**First-Time, Full-Time Beginners
21st Century Scholars – Received State Funds
% Passed 15 or More Credit Hours With C or Better**



Retention Rates by Credit Hours Attempted

One-Year Retention Rates for First-Time, Full-Time Beginners by Credit Hours Attempted



Which Full-Time Beginner Students Tended to Enroll in 12-14 Credit Hours?

- University College Students
- Students With Higher Levels of Unmet Need
- Men
- Older Students
- Less Academically Prepared Students (lower HS GPAs and SAT Scores)
- Students who live off-campus
- Students who register for classes late
- Not 21st Century Scholars
- More External Commitments (plan to spend more time working off-campus for pay, taking care of dependents living with them, commuting, and household responsibilities)

University College Top Majors Enrolling in 12-14 Credit Hours Fall 2016 (Total N = 700)

Major	N	%
Pre Nursing BSN	128	18%
Exploratory Baccalaureate	98	14%
Pre Business BSB	83	12%
Pre Biology BS PU	23	3%
Pre Accounting BSB	20	3%
Pre Biomedical Engr BSBME	20	3%
Pre Computer & Info Science BS	20	3%
Pre Dental Hygiene AS	19	3%
Pre Pub Hlth Dent Hygiene BS	17	2%
Pre Elementary Education BSED	15	2%



Dual/Direct Admits Top Majors Enrolling in 12-14 Credit Hours Fall 2016 (Total N=424)

Major	N	%
Biology BS	38	9%
Mech Engineering BS	35	8%
Health Sciences BS	29	7%
Computer Science BS	22	5%
Comp Info Tech BS	21	5%
Exercise Science BSK	21	5%
Elementary Education BSED	19	4%
Comptr Engr-BS	12	3%
Criminal Justice BS	12	3%
Elec Engineering BS	12	3%



Compared to beginning students who attempted and completed 15 or more IU credit hours during the fall semester (N=1,417), those who attempted but did not complete significantly (N=1,071):

- More Likely to be University College students (not direct/dual admits - 44% UC students not Passing compared to 60% UC Not passing 15 or more with C or better)
- Lower SAT scores
- More likely to receive a Federal Pell Grant and have higher levels of Unmet Financial Need (\$3,093 unmet financial need compared to \$5,209)
- More likely to be Men
- More likely to be First-Generation College Students (27% compared to 37%)
- Higher proportion of underrepresented students meaning African American, Latino/Hispanic, or Two or More Races (20% compared to 31%)
- More Likely to live off campus (57% of those who passed all 15 with C or better lived on campus compared to 47% of those who did not)
- Lower levels of academic performance (2016 Fall Semester GPA 3.36 compared to 2.05)
- Lower Fall –Spring Retention Rates (97% compared to 78% IUPUI IN)

Conclusions

Although more undergraduate students attempted 15 or more credit hours in Fall 2016 (semester of banded tuition implementation), the rates of completion were similar to previous years prior to banded tuition.

Majority (57%) of Fall 2016 undergraduates who failed to earn 15 or more credit hours actually earned 12 -14.

Many students are still choosing to enroll in 12-14 and are not taking advantage of banded tuition. These students tend to be lower income, African American/Black students, and less academically prepared students.

Students were most likely to drop Math, Biology, Chemistry, Communication, and English courses.



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Conclusions

Students with the following characteristics are at risk for not completing 15 or more credit hours they attempt: New Beginner University College, New External Transfer at Freshmen Level (less than 30 credit hours transferred in), underrepresented, having high levels of unmet need, having low levels of academic preparation, living off-campus and having many external commitments.

The pattern of results regarding the types of students who tended to enroll in 12-14 and failed to complete 15 or more credit hours when attempted are similar compared to the years prior to banded tuition implementation.



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Contact us with questions or requests for information!

