

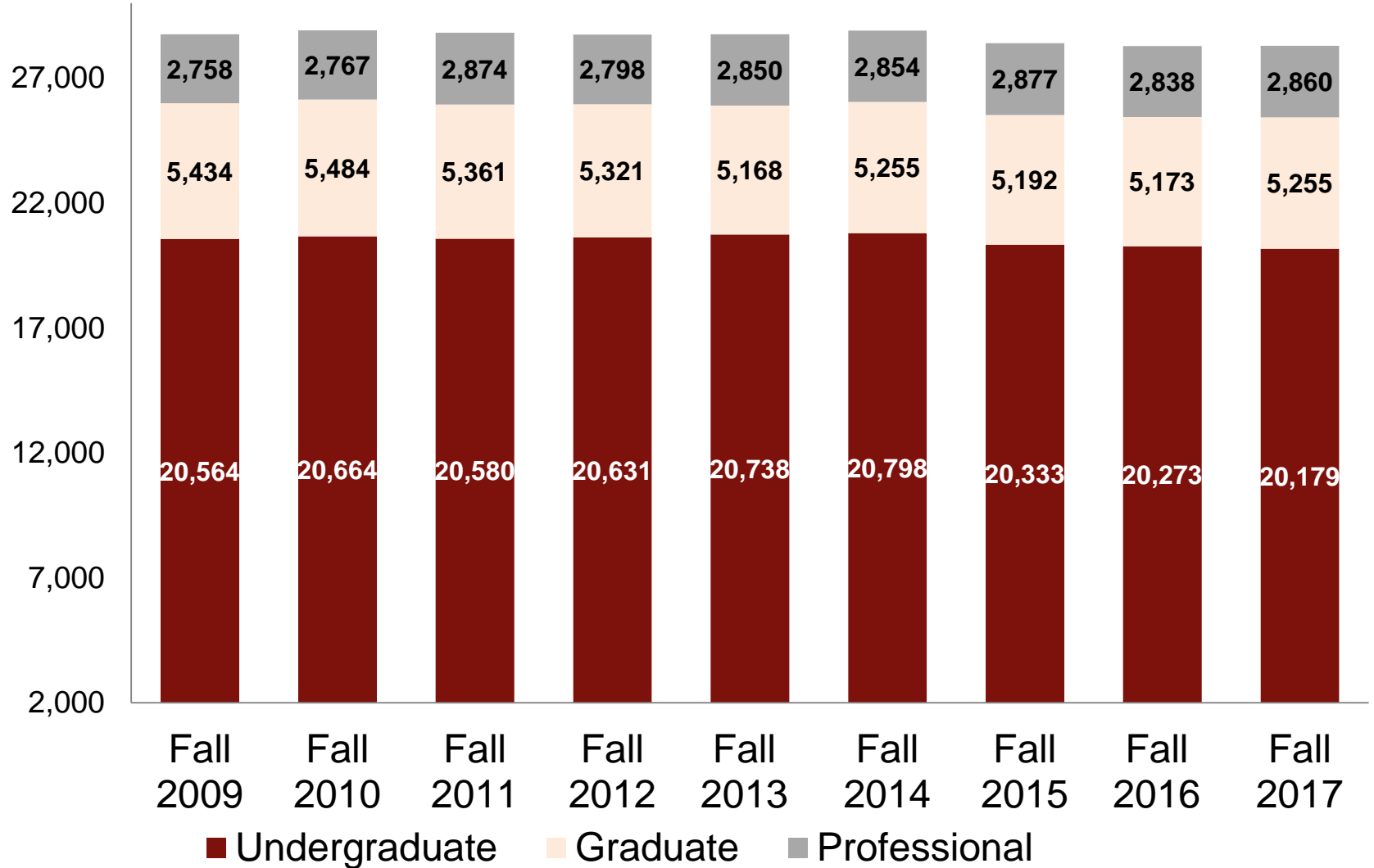


Michele J. Hansen, Ph.D., Assistant Vice Chancellor, Institutional Research  
and Decision Support

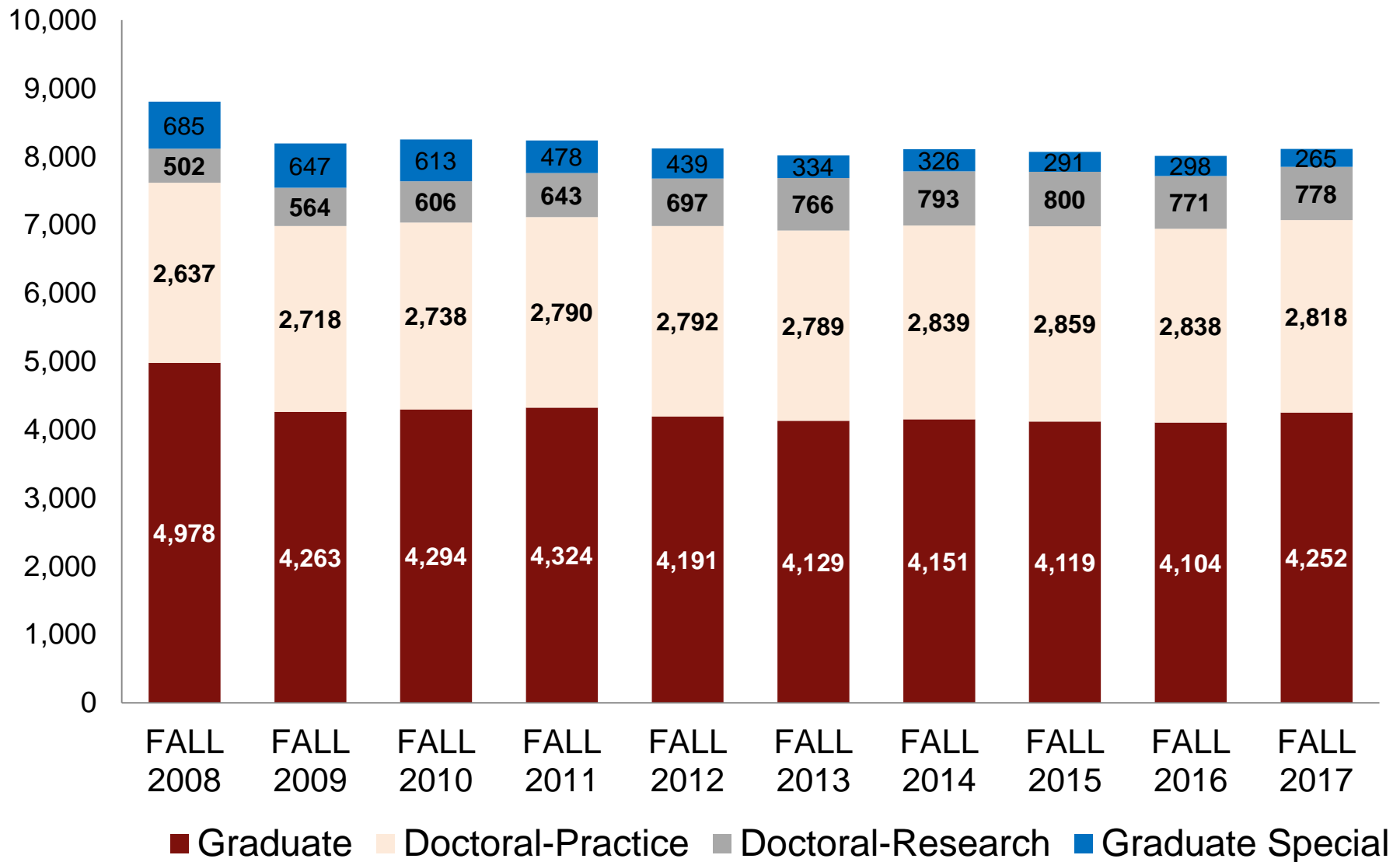
# Update on IUPUI Students: Supporting Success and Retention/Graduation Rates

# Student Enrollment

IUPUI Indianapolis Includes Part-Time and Full-Time, 2017 Total = 28,294  
Total Enrollment IUPUI IN and CO = 29,791



# Graduate and Professional Student Enrollment IUPUI Indianapolis



# UNDERGRADUATES 2017

IUPUI - Indianapolis Only

28%

Transfer  
Students

16%

Attend classes  
part-time

29%

First Generation  
Students

93%

Indiana  
Residents

23%

Underrepresented  
Minority\*

56%

Female

17%

25 years of age  
or older

4%

International  
Students

\*Underrepresented minority includes African American, Native American, Latino/a, Pacific Islander, and Two or More Races.



# GRADUATE & PROFESSIONAL 2017

IUPUI - Indianapolis Only

15%

First Generation Students

71%

Indiana Residents

16%

Underrepresented Minority\*

55%

Female

63%

Attend classes full-time

14%

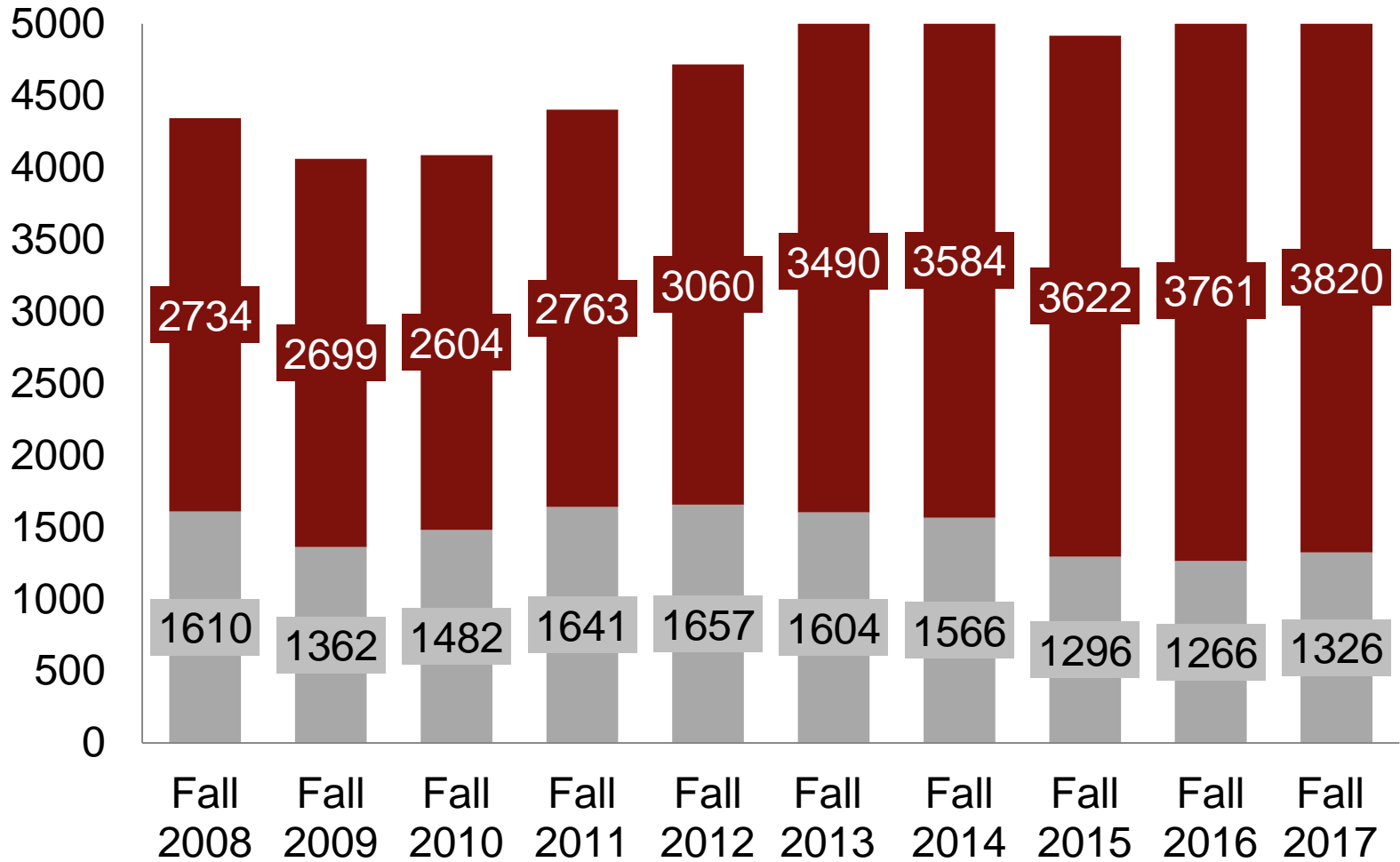
International Students

\*Underrepresented minority includes African American, Native American, Latino/a, Pacific Islander, and Two or More Races.



# New Beginners and External Transfers

IUPUI Indianapolis Includes Part-Time and Full-Time

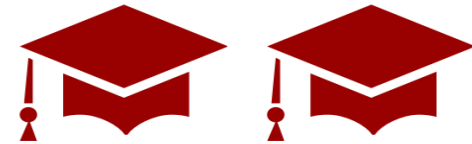


■ New External Transfers

■ New Beginners



# TOP OF THE CLASS



The 2017-18 freshman class at IUPUI is the biggest, brightest and most diverse in the school's 49-year history.

3.5



Average GPA

1121



Average SAT  
Score

62%



have Honors  
Diploma

28%



are minority  
students

5520



first-time  
students

92%



are Indiana  
residents



[IUPUI.EDU](http://IUPUI.EDU)



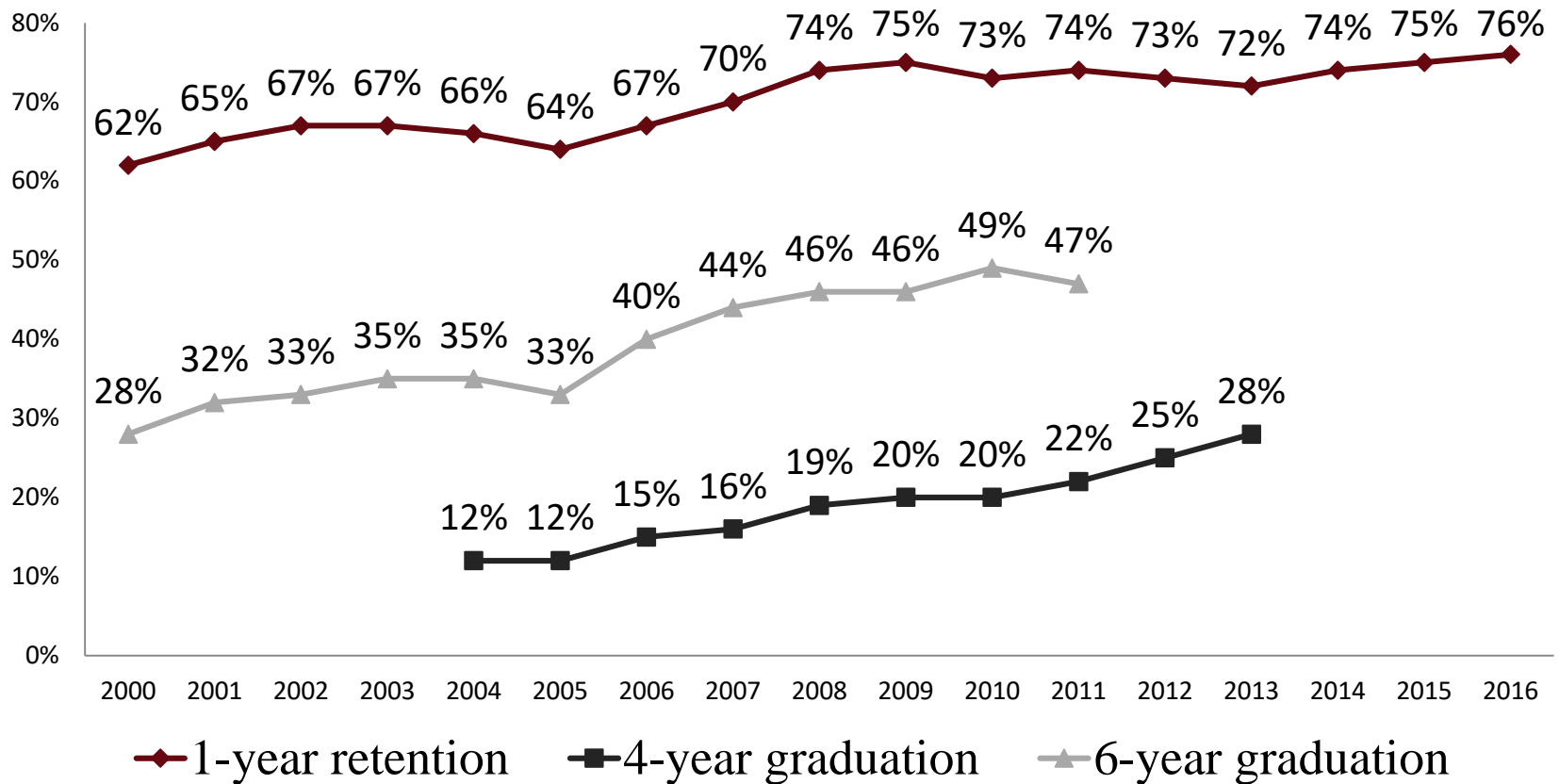
# Understanding IUPUI Student Success and Retention

- Progress on retention and graduation rates
- How we compare to our peers
- Why students leave and where they go
- What we can do to improve outcomes



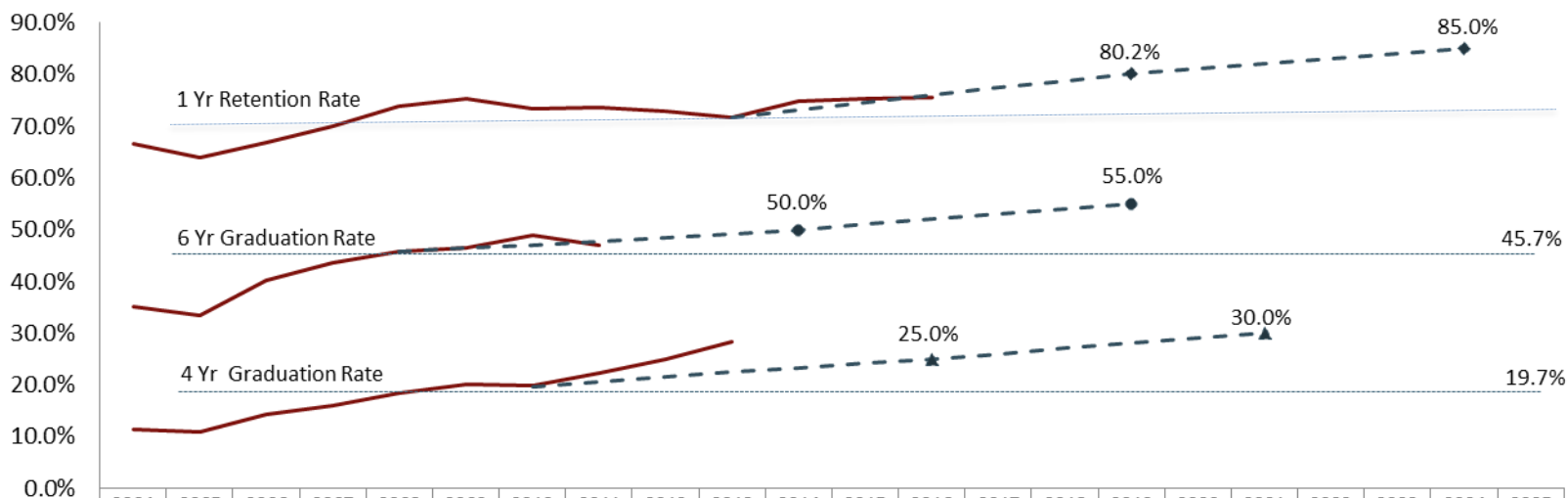


# Indianapolis Only FTFT Cohort Retention and Graduation Rate (Bachelor's, Associate, and Certificate)



# Student Performance Metrics Retention/Graduation Rates

## IUPUI - Indianapolis FTFT Bachelor Degree Seeking



|                      | 2004  | 2005  | 2006  | 2007  | 2008  | 2009  | 2010  | 2011  | 2012  | 2013  | 2014  | 2015  | 2016  | 2017  | 2018  | 2019  | 2020  | 2021  | 2022  | 2023  | 2024  | 2025 |  |
|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|--|
| 1 yr Retention       | 66.6% | 64.0% | 66.8% | 70.1% | 73.9% | 75.3% | 73.5% | 73.6% | 73.0% | 71.8% | 74.9% | 75.3% | 75.5% |       |       |       |       |       |       |       |       |      |  |
| Strategic Goal       |       |       |       |       |       |       |       |       |       | 71.8% | 73.2% | 74.6% | 76.0% | 77.4% | 78.8% | 80.2% | 81.2% | 82.2% | 83.2% | 84.1% | 85.0% |      |  |
| 4 yr Graduation Rate | 11.4% | 10.9% | 14.2% | 16.0% | 18.5% | 20.1% | 19.8% | 22.2% | 24.9% | 28.4% |       |       |       |       |       |       |       |       |       |       |       |      |  |
| Strategic            |       |       |       |       |       |       | 19.7% | 20.6% | 21.5% | 22.4% | 23.2% | 24.1% | 25.0% | 26.0% | 27.0% | 28.0% | 29.0% | 30.0% |       |       |       |      |  |
| 6 yr Graduation Rate | 35.1% | 33.4% | 40.1% | 43.7% | 45.8% | 46.6% | 48.9% | 47.0% |       |       |       |       |       |       |       |       |       |       |       |       |       |      |  |
| Strategic            |       |       |       |       | 45.7% | 46.4% | 47.1% | 47.8% | 48.5% | 49.2% | 50.0% | 51.0% | 52.0% | 53.0% | 54.0% | 55.0% |       |       |       |       |       |      |  |

# Internal and External Changes Expected to Positively Affect Retention and Graduation Rates

## IUPUI

- More Academically Prepared Students
- More Need-Based Institutional Aid Provided
- More Students Enrolled Full-Time and Taking 15 Hour Credit Load Per Semester
- Increases in Campus Housing
- Degree Maps
- High-Impact Practices/Center for Engaged Learning
- Strategic Enrollment Management
- Coordinated, Data-Driven Approaches to Improving Student Success



## External

- Changes in High School Math Curriculum
- Increased Access to Dual Credit and AP courses

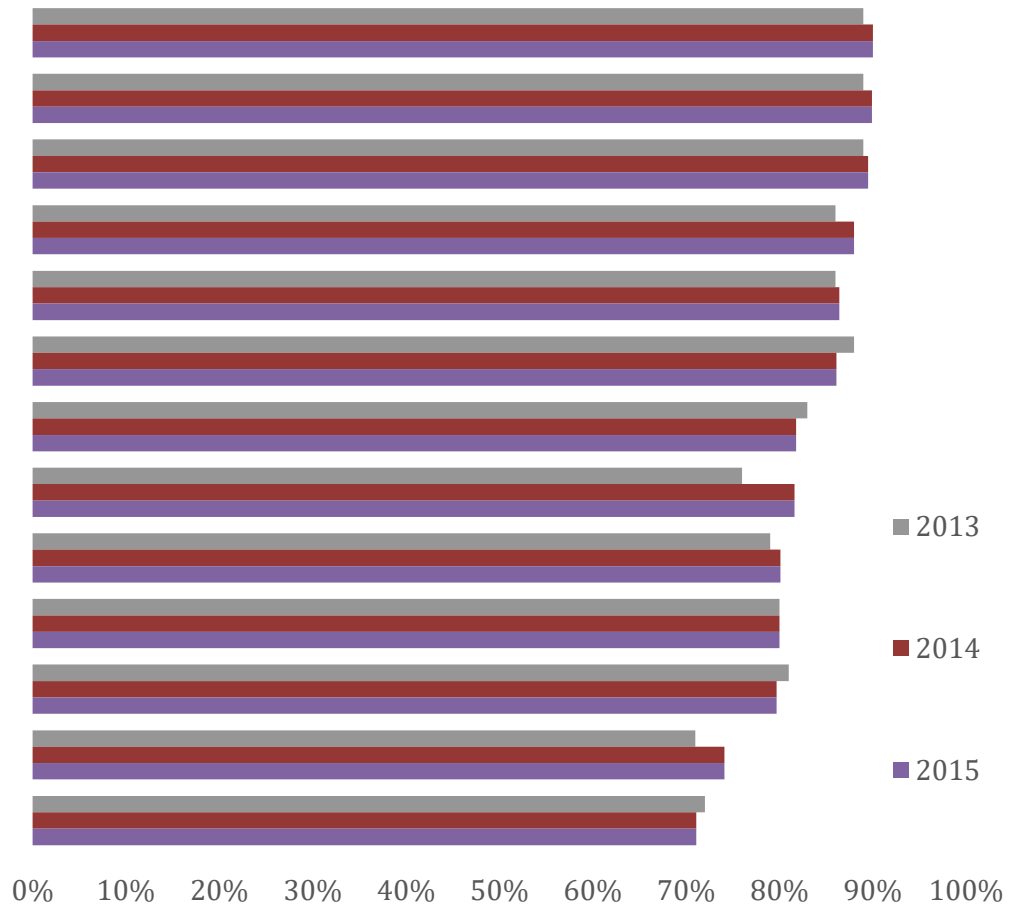


**How do we  
compare?**



## Retention Rates (Fall to Fall)

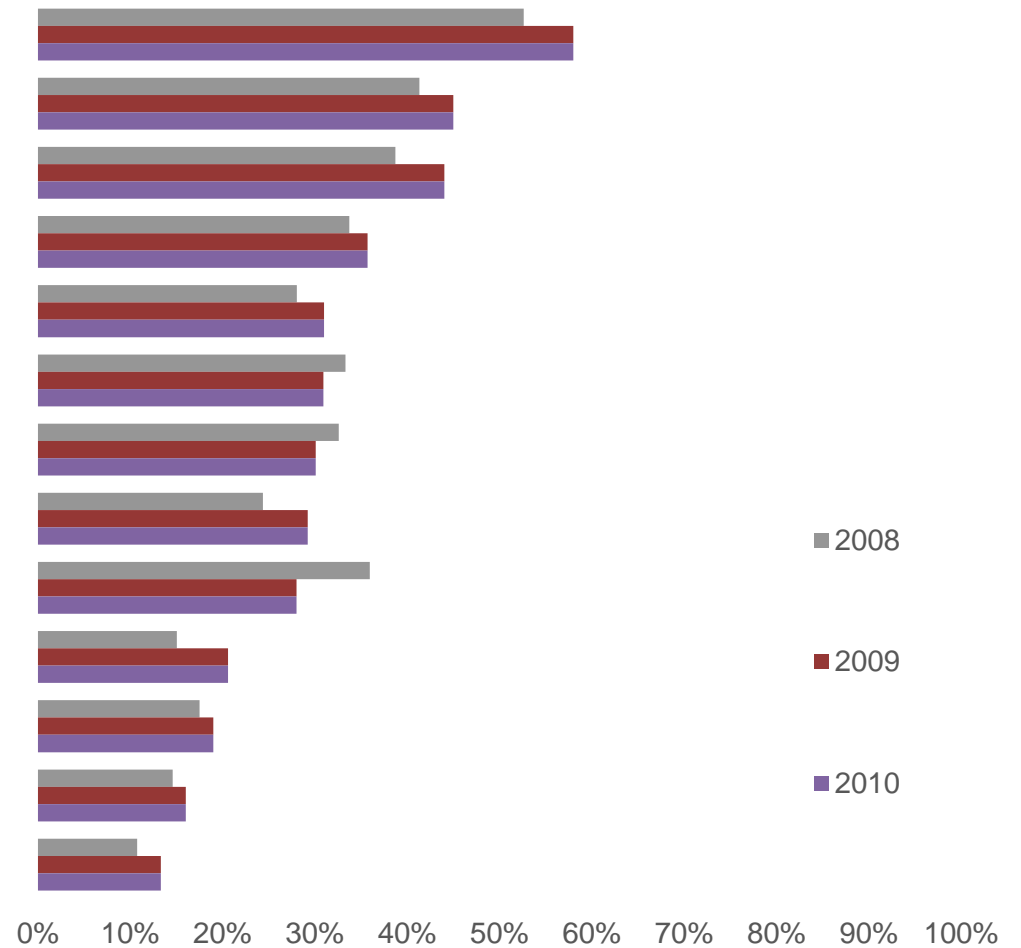
| Peer Institutions                 | Cohort Year |      |      |
|-----------------------------------|-------------|------|------|
|                                   | 2013        | 2014 | 2015 |
| U. of South Florida-Main Campus   | 89%         | 88%  | 90%  |
| U. of Utah                        | 89%         | 89%  | 90%  |
| Temple U.                         | 89%         | 90%  | 90%  |
| U. of Cincinnati-Main Campus      | 86%         | 88%  | 88%  |
| Virginia Commonwealth U.          | 86%         | 86%  | 86%  |
| U. at Buffalo                     | 88%         | 88%  | 86%  |
| U. of Alabama at Birmingham       | 83%         | 79%  | 82%  |
| Wayne State U.                    | 76%         | 77%  | 82%  |
| U. of New Mexico-Main Campus      | 79%         | 80%  | 80%  |
| U. of Illinois at Chicago         | 80%         | 81%  | 80%  |
| U. of Louisville                  | 81%         | 79%  | 80%  |
| Indiana U.-Purdue U.-Indianapolis | 71%         | 74%  | 74%  |
| U. of Colorado Denver             | 72%         | 68%  | 71%  |



# 4 Year Graduation Rates

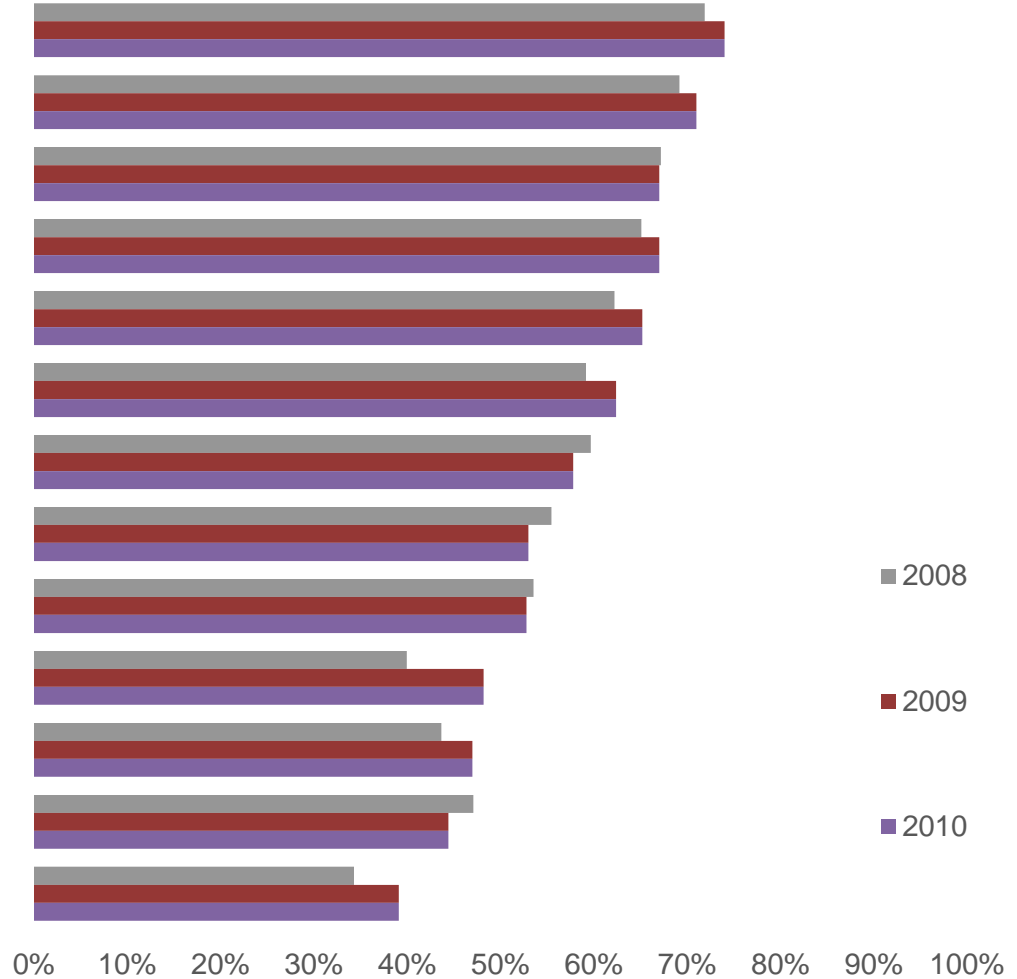
| Peer Institutions | Cohort Year |      |      |
|-------------------|-------------|------|------|
|                   | 2008        | 2009 | 2010 |

|                                   |     |     |     |
|-----------------------------------|-----|-----|-----|
| U. at Buffalo                     | 53% | 55% | 58% |
| Temple U.                         | 41% | 43% | 45% |
| U. of South Florida               | 39% | 43% | 44% |
| Virginia Commonwealth U.          | 34% | 37% | 36% |
| U. of Cincinnati-Main Campus      | 28% | 28% | 31% |
| U. of Illinois at Chicago         | 33% | 34% | 31% |
| U. of Alabama at Birmingham       | 33% | 32% | 30% |
| U. of Utah                        | 24% | 28% | 29% |
| U. of Louisville                  | 36% | 25% | 28% |
| U. of Colorado Denver             | 15% | 17% | 21% |
| Indiana U.-Purdue U.-Indianapolis | 18% | 19% | 19% |
| U. of New Mexico-Main Campus      | 15% | 15% | 16% |
| Wayne State U.                    | 11% | 11% | 13% |



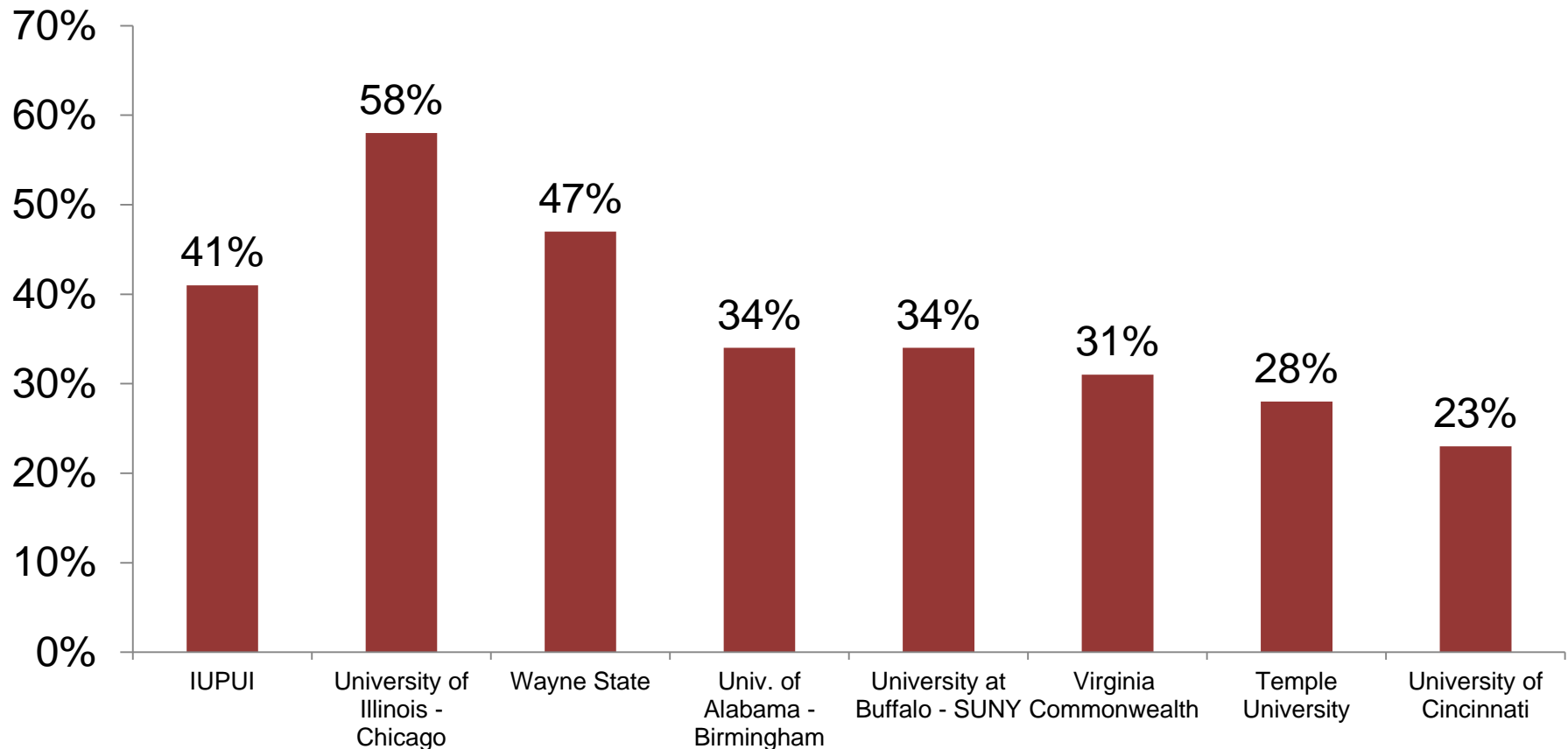
# 6 Year Graduation Rates

| Peer Institutions                 | Cohort Year |      |      |
|-----------------------------------|-------------|------|------|
|                                   | 2008        | 2009 | 2010 |
| U. at Buffalo                     | 72%         | 74%  | 74%  |
| Temple U.                         | 69%         | 71%  | 71%  |
| U. of South Florida-Main Campus   | 67%         | 68%  | 67%  |
| U. of Cincinnati-Main Campus      | 65%         | 65%  | 67%  |
| U. of Utah                        | 62%         | 64%  | 65%  |
| Virginia Commonwealth U.          | 59%         | 62%  | 62%  |
| U. of Illinois at Chicago         | 60%         | 60%  | 58%  |
| U. of Alabama at Birmingham       | 55%         | 55%  | 53%  |
| U. of Louisville                  | 54%         | 53%  | 53%  |
| U. of Colorado Denver             | 40%         | 46%  | 48%  |
| Indiana U.-Purdue U.-Indianapolis | 44%         | 45%  | 47%  |
| U. of New Mexico-Main Campus      | 47%         | 47%  | 44%  |
| Wayne State U.                    | 34%         | 35%  | 39%  |



# Difference Between IUPUI Peers Pell Grant Recipients

## % First Year Students Receiving Federal Pell Grant 2015-2016





# Institutional Aid and Scholarships

- ❖ In 2014-2015, we ranked 11<sup>th</sup> out of 13 peers (ahead of only University of Colorado Denver/Anschutz Medical Campus and Virginia Commonwealth University).
- ❖ In 2015-2016 we ranked second to last (ahead of only University of Colorado Denver/Anschutz Medical Campus)



Based on The Integrated Postsecondary Education Data System (IPEDS)



**Understand  
Why Students  
Leave**

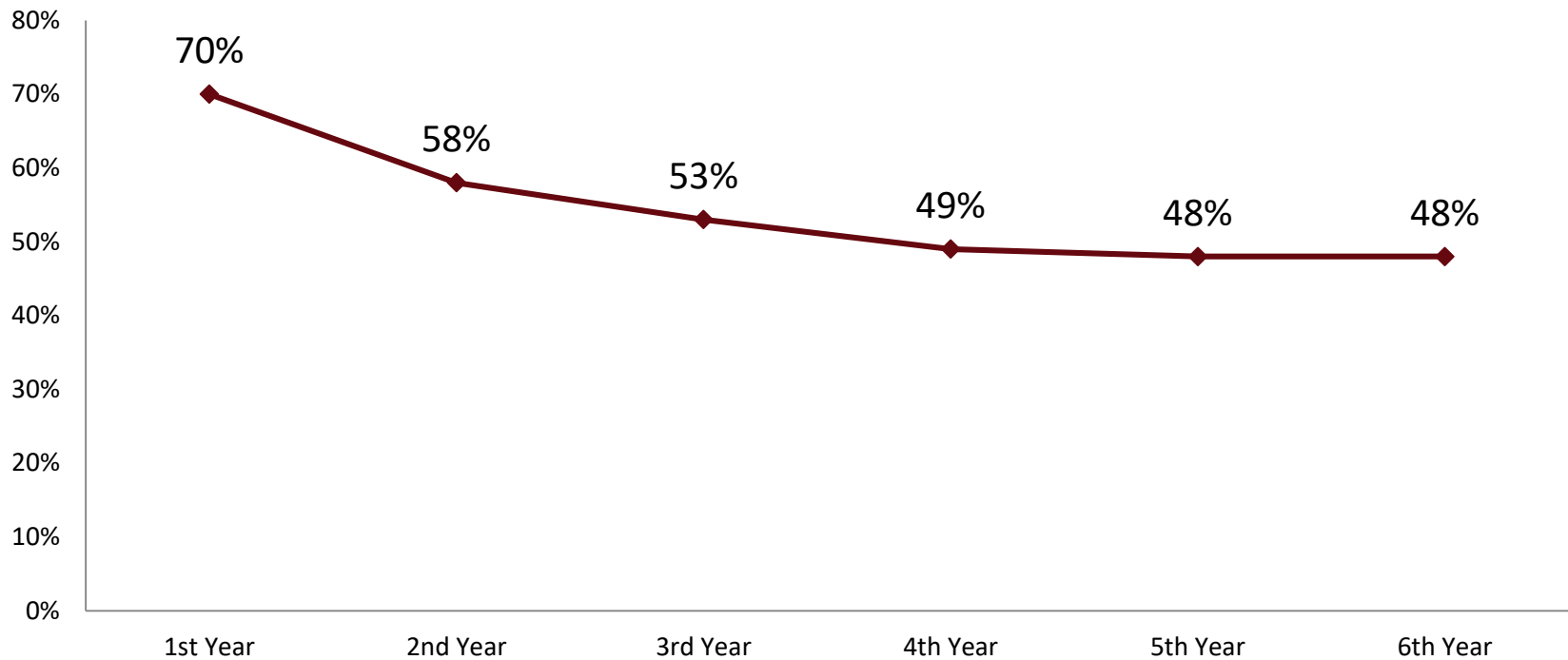
**And Where  
Our Non-  
Retained  
Students  
Enroll**





# Lose Most Students First Year and Second Year – UC Dual Admits

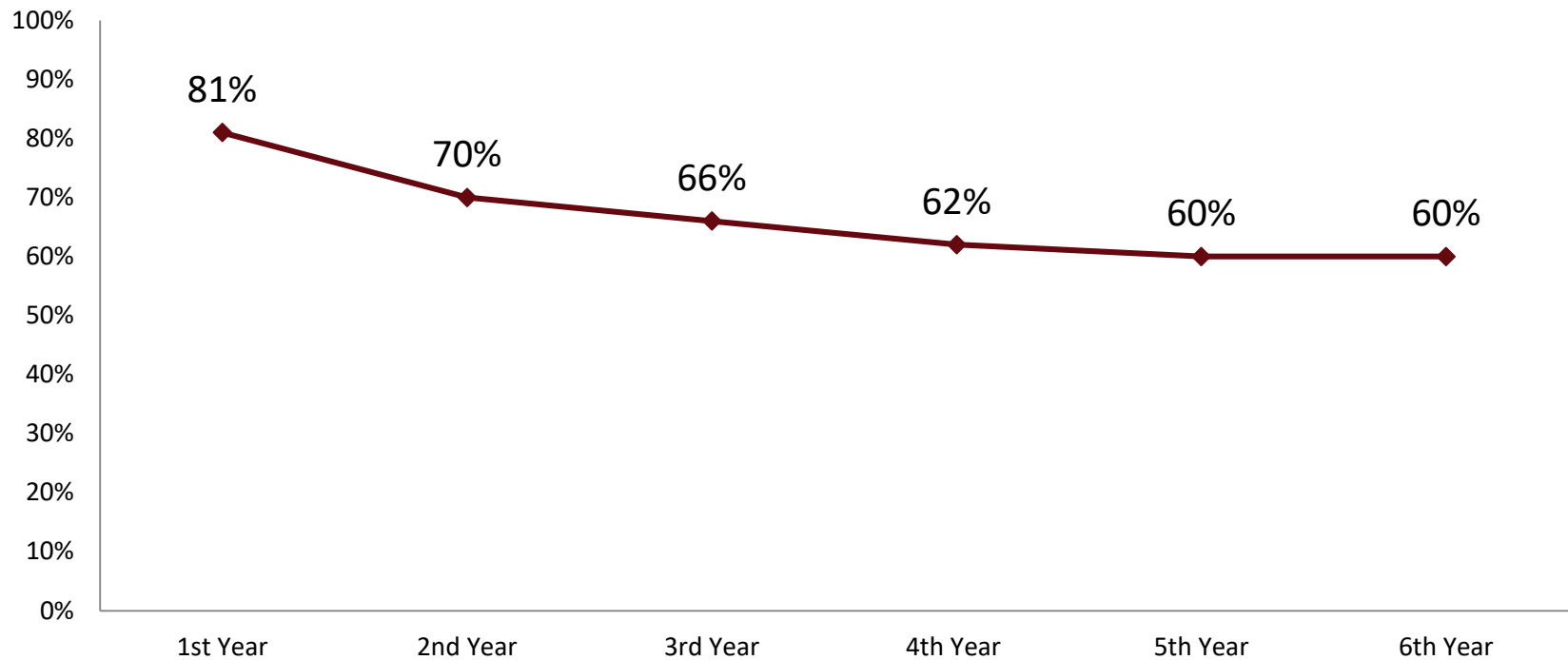
First-Time, Full-Time Bachelor Degree Seeking Beginners  
Cohort Year 2011





# Lose Most Students First Year and Second Year – Direct/Dual Admits

**First-Time, Full-Time Bachelor Degree Seeking Beginners  
Cohort Year 2011**



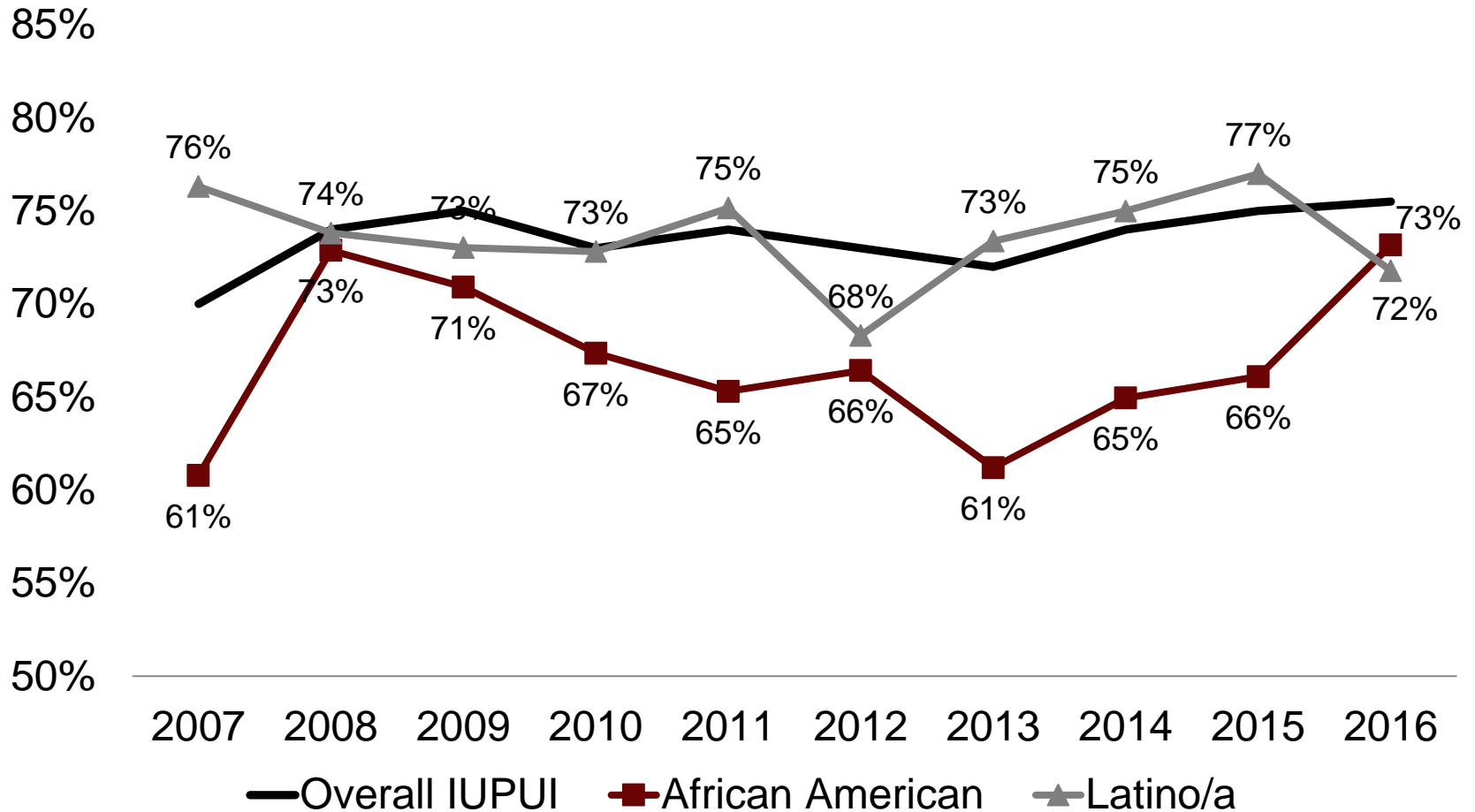
# First-Time New Graduate/Professional Student Retention

1. Lose about 10-12% in First Year
  - Graduate Certificate lose about 28%
  - Masters Level lose about 15%
  - Doctoral-Research Lose about 10%
  - Doctoral-Practice Lose less than 5%
2. African American One-Year Retention Rate = 76-78% while overall is 83-86%
3. First-Generation Rate Lower than Non-First Generation Rate

<https://irds.iupui.edu/data-link/index.html>

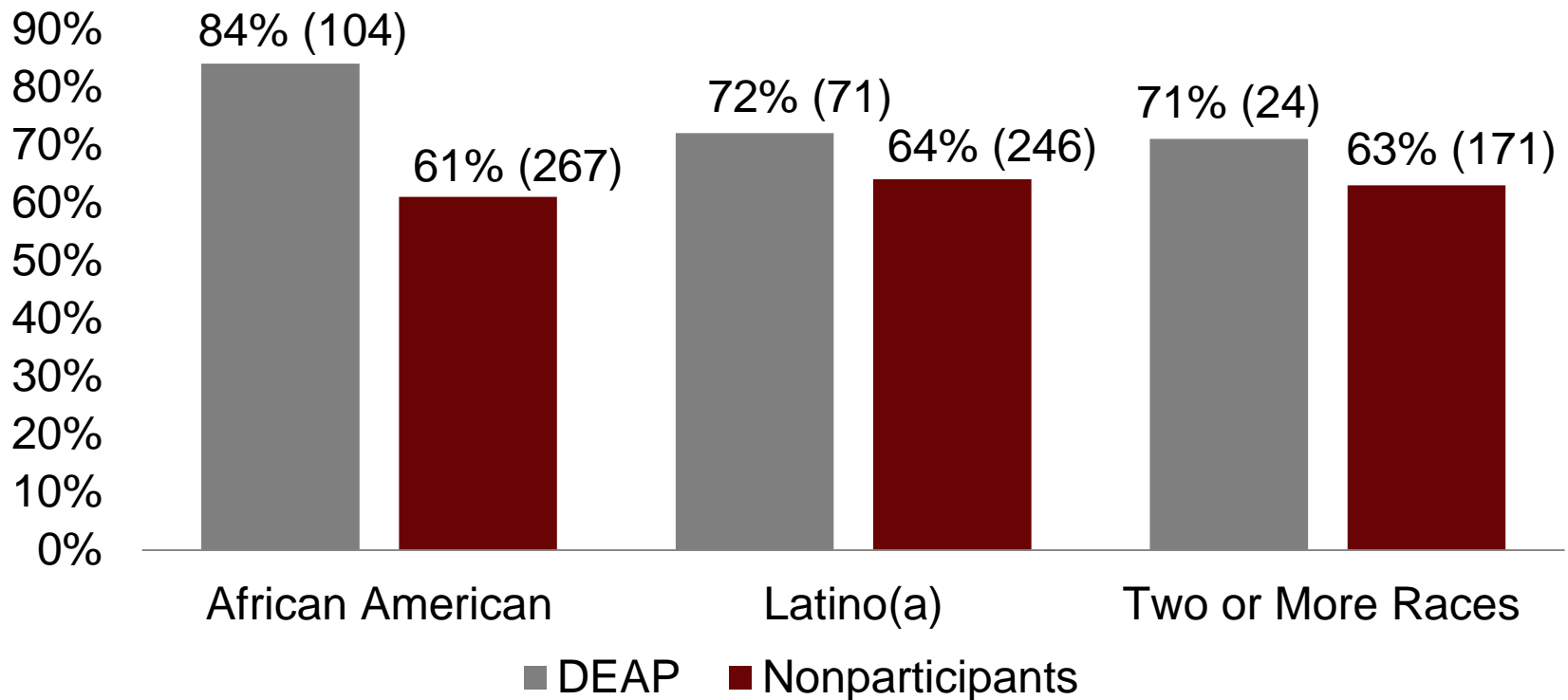


# Indianapolis Only FTFT Cohort One-Year Retention (Bachelor's, Associate, and Certificate any IU) – Underrepresented Students



# Diversity Enrichment and Achievement Program (DEAP) Retention

## Fall-Fall Retention – Retained IUPUI IN



# Top 10 Reasons For Choosing IUPUI New Beginners Fall 2017

1. Availability of specific academic programs (majors)\*
2. Graduates get good jobs\*
3. (tie) Career and job opportunities available in Indianapolis after I complete my degree
4. (tie) Job, career, and internship opportunities available in Indianapolis while attending school\*
5. Availability of financial aid/scholarship
6. Opportunity for an IU or Purdue Degree
7. Cost
8. IUPUI's reputation
9. Social climate/activities at the college\*
10. Social opportunities associated with IUPUI located in the city of Indianapolis

**Rank ordered by mean ratings out of 21 items**

**\*Significantly predicts one-year retention even when taking into account academic preparation and income-level)**





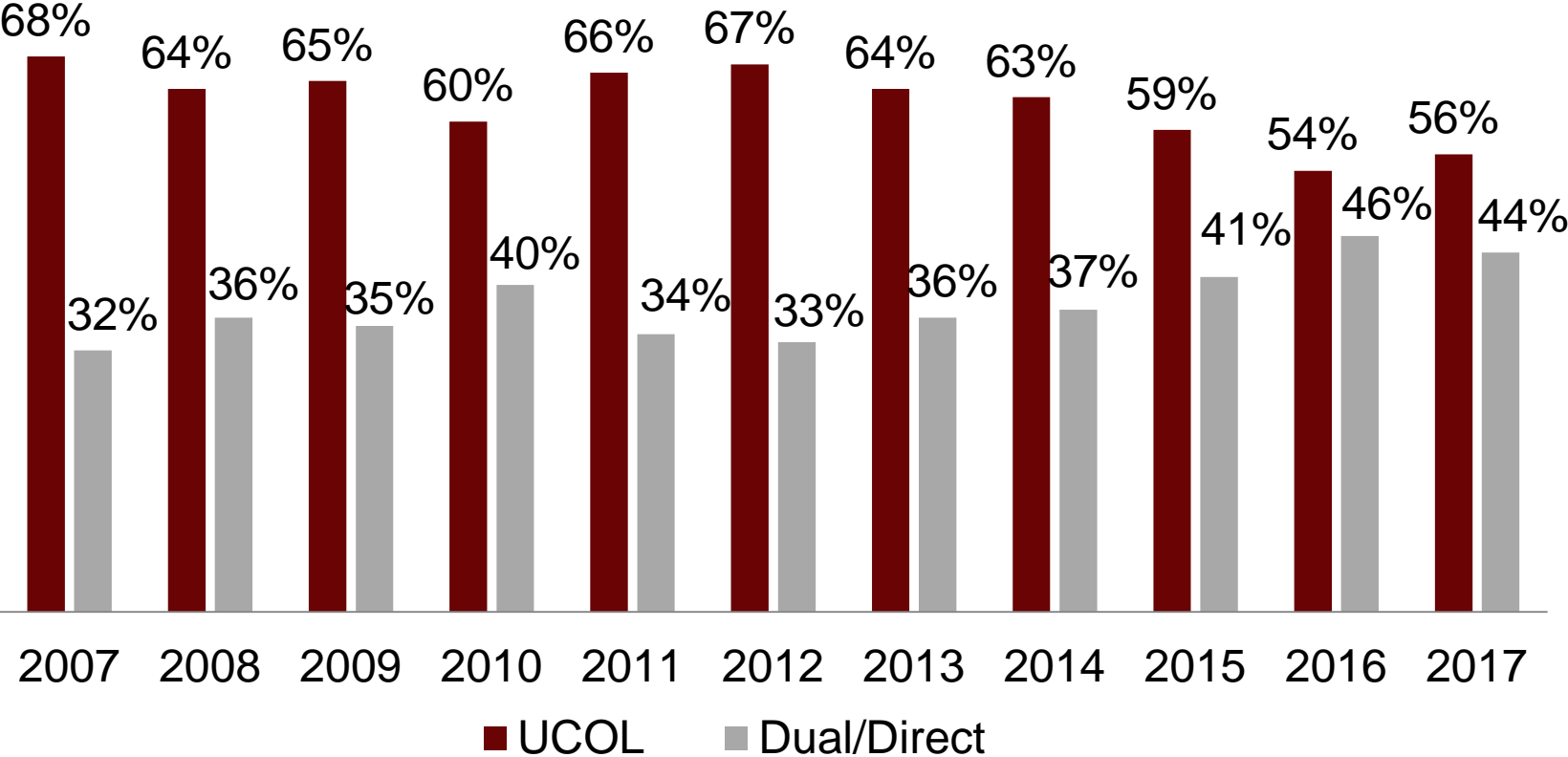
# Top 10 Reasons For Choosing IUPUI New External Transfers Fall 2017

1. Opportunity for an IU or Purdue Degree
2. Availability of specific academic programs (majors)
3. Graduates get good jobs
4. (tie) Career and job opportunities available in Indianapolis after I complete my degree.
5. (tie) IUPUI's reputation
6. Job, career, and internship opportunities available in Indianapolis while attending school
7. Availability of financial aid/scholarship
8. Cost
9. Social climate/activities at the college
10. Ability to live at home while attending college

***Rank ordered by mean ratings out of 21 items***



# New Beginners Direct/Dual and University College Admits



2016 University College One-Year Retention 66%, Direct/Dual Admit 78%,  
 Overall IUPUI Indianapolis Retention Rate FT, FT Retained IUPUI IN Campus 71%

## 2016 Schools and One-Year Retention Rates (Schools with Fewer than 20 students not shown) New First-Time, Full-Time Beginners

|                                    | Total N<br>2016 | One-Year<br>Retention Rate<br>IUPUI IN 2016 | One-Year<br>Retention Rate<br>IUPUI IN 2015 |
|------------------------------------|-----------------|---|---|
| Science                            | 431             | 78%   | 81%   |
| Physical Education                 | 97              | 79%   | 79%   |
| Tourism and Event Management       | 44              | 70%   | 81%   |
| Engineering                        | 169             | 83%   | 83%   |
| Technology                         | 140             | 74%   | 69%   |
| Business                           | 123             | 82%   | 88%   |
| Liberal Arts                       | 143             | 72%   | 68%   |
| Herron Art                         | 118             | 81%   | 83%   |
| Education                          | 77              | 70%   | 69%   |
| Informatics and Computing          | 99              | 89%   | 82%   |
| Health and Rehabilitation Sciences | 65              | 83%   | 71%   |
| Public and Environmental Affairs   | 73              | 70%   | 68%   |
| Overall                            | 1650            | 78%   | 78% 29                                      |

# 2016 UC Pre-Majors One-Year Retention Rates (Pre-Majors with Fewer than 20 students not shown) New First-Time, Full-Time Beginners

|                                    | One-Year Retention Rate<br>IUPUI IN 2016 | N    |
|------------------------------------|--|------|
| Business                           | 67%                                      | 307  |
| Dentistry                          | 58%                                      | 111  |
| Education                          | 65%                                      | 34   |
| Engineering                        | 69%                                      | 156  |
| Health and Rehabilitation Sciences | 68%                                      | 25   |
| Liberal Arts                       | 60%                                      | 63   |
| Medicine                           | 63%                                      | 106  |
| Nursing                            | 68%                                      | 369  |
| Exploratory                        | 66%                                      | 292  |
| Physical Education                 | 50%                                      | 20   |
| Science                            | 65%                                      | 341  |
| SPEA                               | 62%                                      | 29   |
| Social Work                        | 76%                                      | 34   |
| Technology                         | 57%                                      | 21   |
| Tourism Management                 | 59%                                      | 22   |
| Total                              | 66%                                      | 1961 |



# Understanding What Happens to Our Students



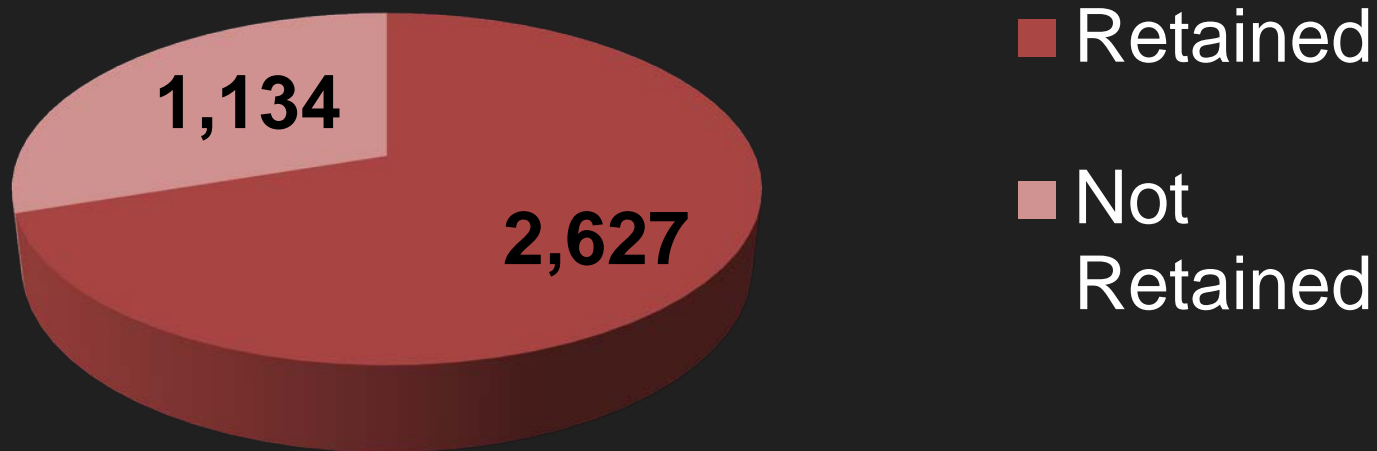
The National Student Clearinghouse is the nation's trusted source for education verification and student outcomes research.

<http://www.studentclearinghouse.org>



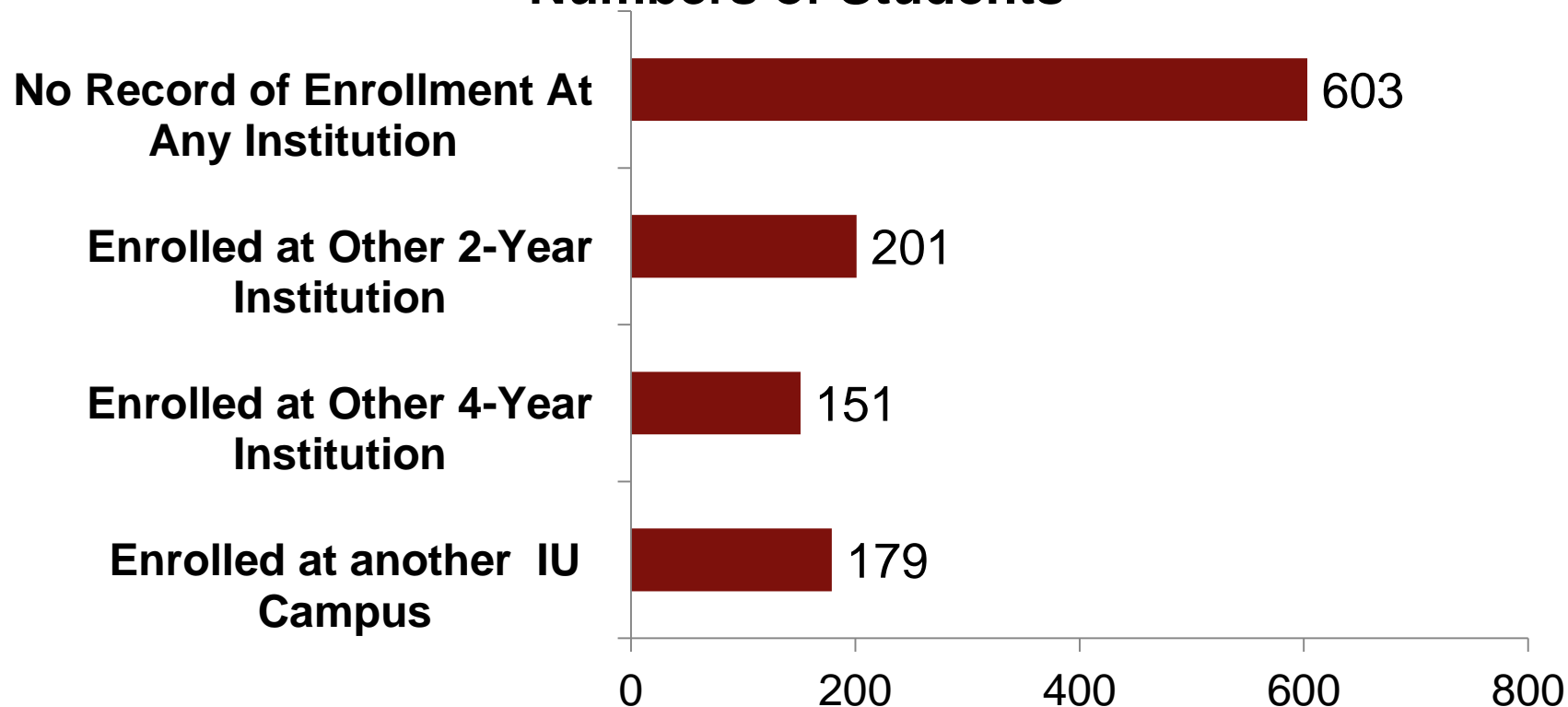
# Fall 2016 IUPUI Indianapolis First-Time Beginners N=3,761

## Number Returned for Second Year of Classes IUPUI IN Campus (Fall to Fall Retention)



# National Student Clearinghouse

## Summary of Non-Returning Students N=1,134 Numbers of Students



# Where Do Students Enroll 2016 Cohort?

(Top 10 Institutions Out of the 81 Institutions Our Students Enrolled in Fall 2016/% of 531 who Reenrolled at Another Institution)

| Institution                                    | N   | %   |
|--|-----|-----|
| Ivy Tech Community College                     | 183 | 34% |
| Indiana University Bloomington                 | 91  | 17% |
| Indiana University South Bend                  | 22  | 4%  |
| Purdue University - West Lafayette             | 22  | 4%  |
| Indiana State University                       | 15  | 3%  |
| Indiana University Northwest                   | 15  | 3%  |
| Ball State University                          | 12  | 2%  |
| Indiana University Southeast                   | 11  | 2%  |
| Indiana University- Purdue University Columbus | 11  | 2%  |
| Marian University                              | 11  | 2%  |





# Where Do Students Enroll 2015 Cohort?

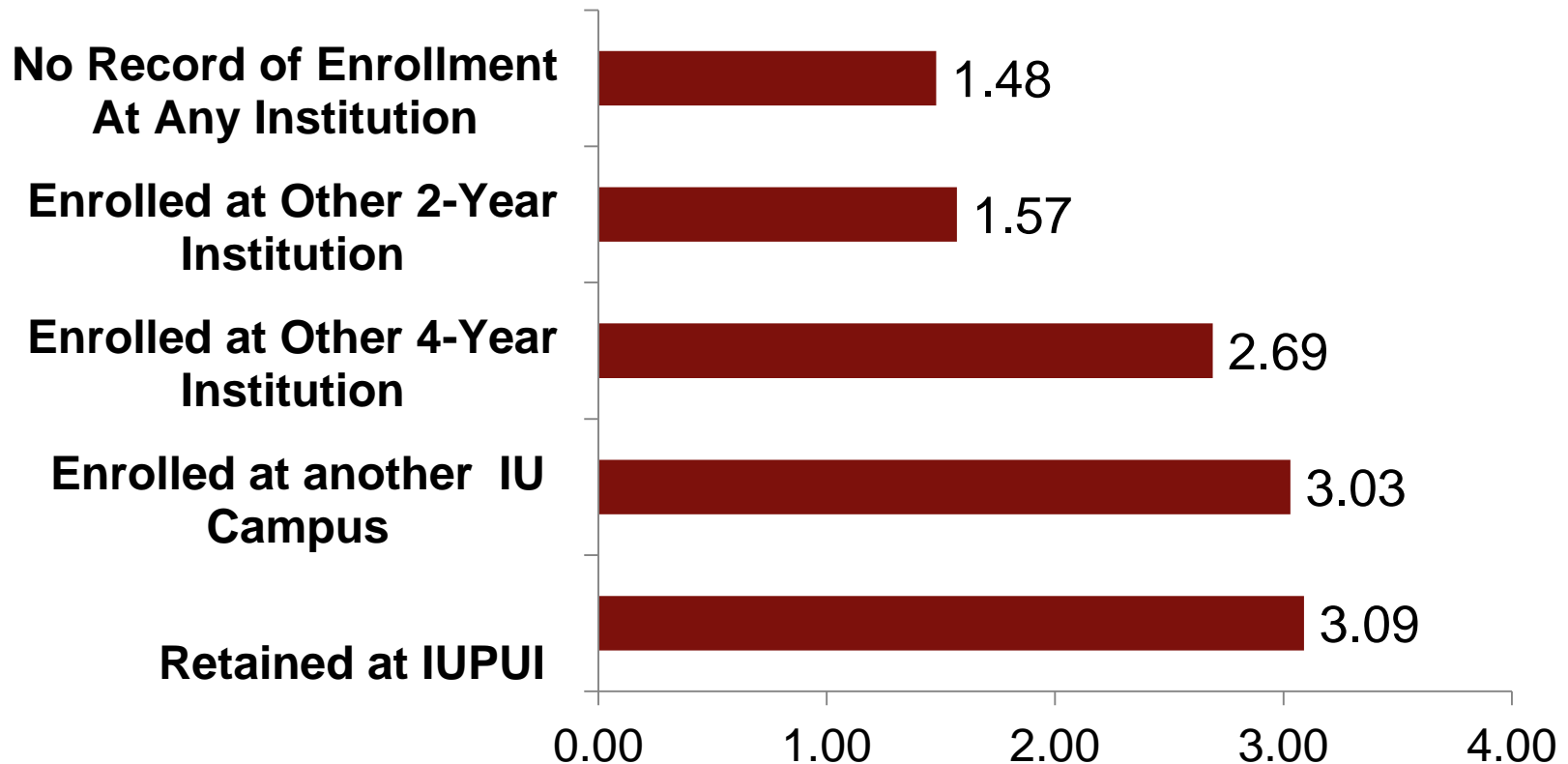
(Top 10 Institutions Out of the 64 Institutions Our Students Enrolled in Fall 2015/% of 540 who Reenrolled at Another Institution)

| Institution                        | N   | %   |
|------------------------------------|-----|-----|
| Ivy Tech Community College         | 158 | 29% |
| Indiana University Bloomington     | 104 | 19% |
| Purdue University - West Lafayette | 34  | 6%  |
| Ball State University              | 32  | 6%  |
| Indiana University Northwest       | 20  | 4%  |
| Butler University                  | 18  | 3%  |
| Indiana University South Bend      | 16  | 3%  |
| Indiana University Southeast       | 16  | 3%  |
| Indiana University Kokomo          | 14  | 3%  |
| Indiana State University           | 13  | 2%  |



# Academic Performance of Students Who Left and Stayed 2016 Cohort

## Average Cumulative IUPUI First-Year GPA



# Student Risk Factors and Initiatives to Improve Student Success



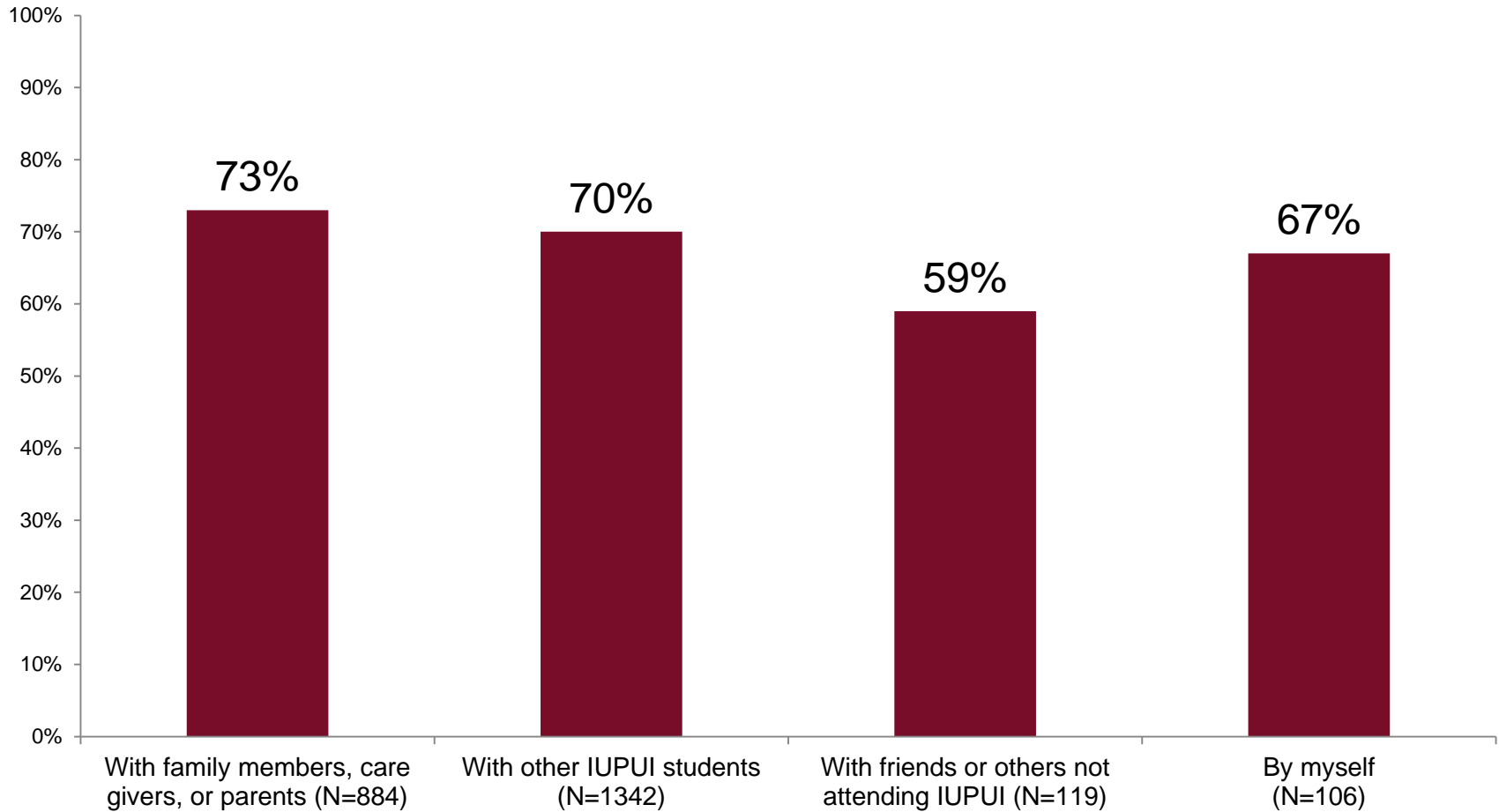
# High-Risk Factors Associated with Poor Student Success and Attrition

1. Poor Performance in first semester or Earning DWF1 in a course
2. Low high school or transfer in GPA (lower than 3.00)
3. Under-Resourced (high levels of unmet financial aid, low-income)
4. Late Registration Date
5. Not having Academic Honors Diploma or Rigorous High School Curriculum
6. Attending part-time and not enrolling in 15 or more credit hours
7. Not Placing into Credit Bearing Math
8. Transferring in with few hours with no degree
9. First Generation College Student
10. Not Participating in High Impact Practices and Early Interventions First Year (FYS, Themed Learning Communities, Summer Bridge)
11. Living Off-Campus
12. Living Alone or With Others Not Attending IUPUI



# Living Situation Matters In Predicting One-Year Retention

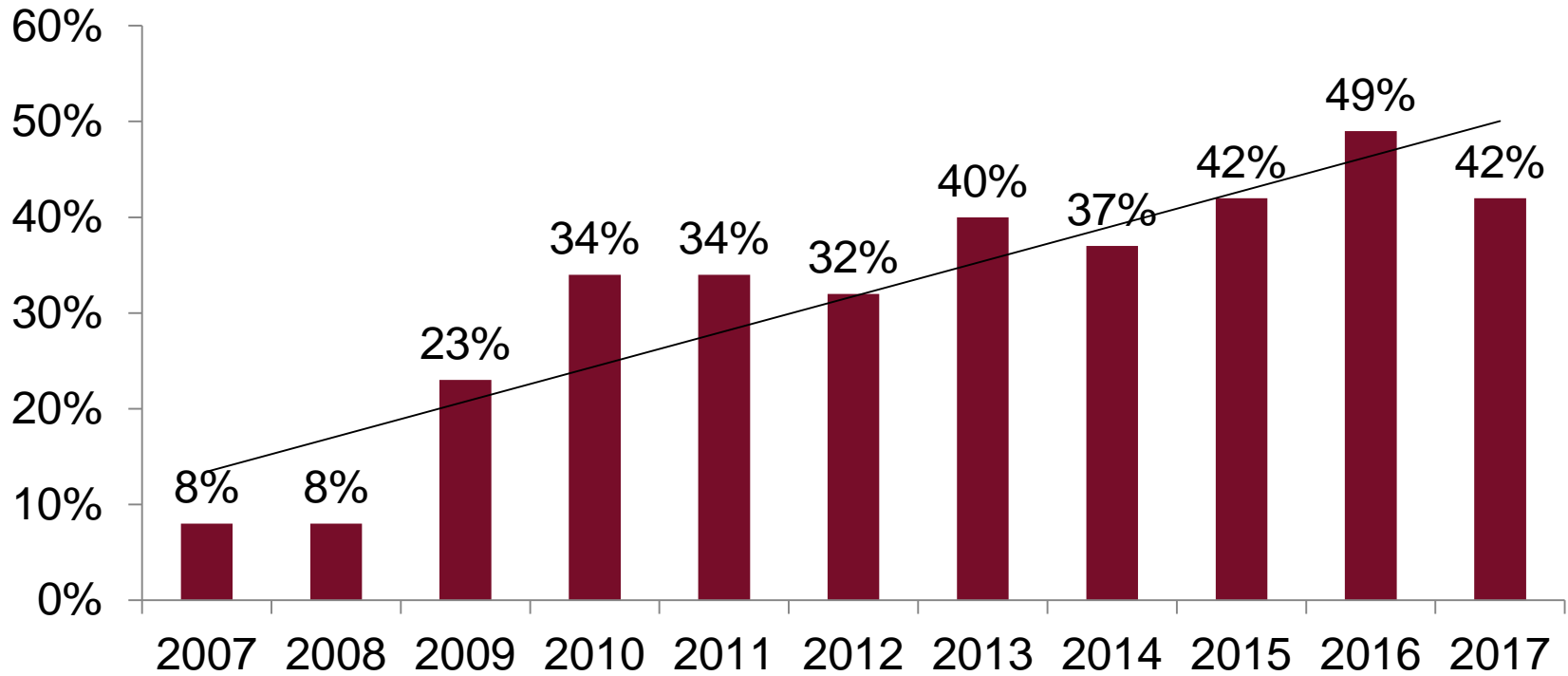
## One-Year Retention Rate IUPUI



# Campus Housing

## % First-Time, Full-Time Beginners

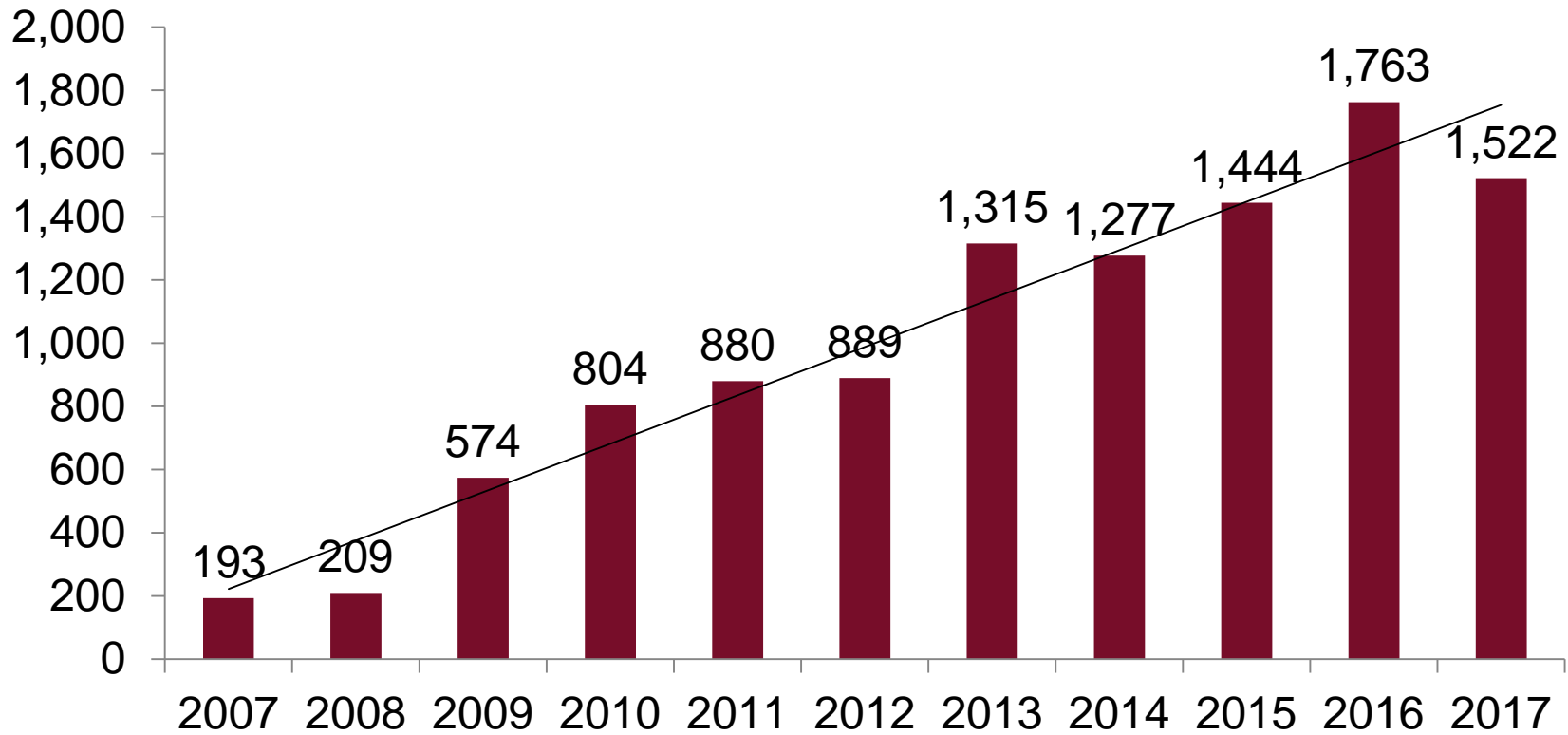
Based on students that paid the residence life fee. Includes Ball Residence, Tower, North Hall, Campus Apartments and more.



# Campus Housing

## # First-Time, Full-Time Beginners

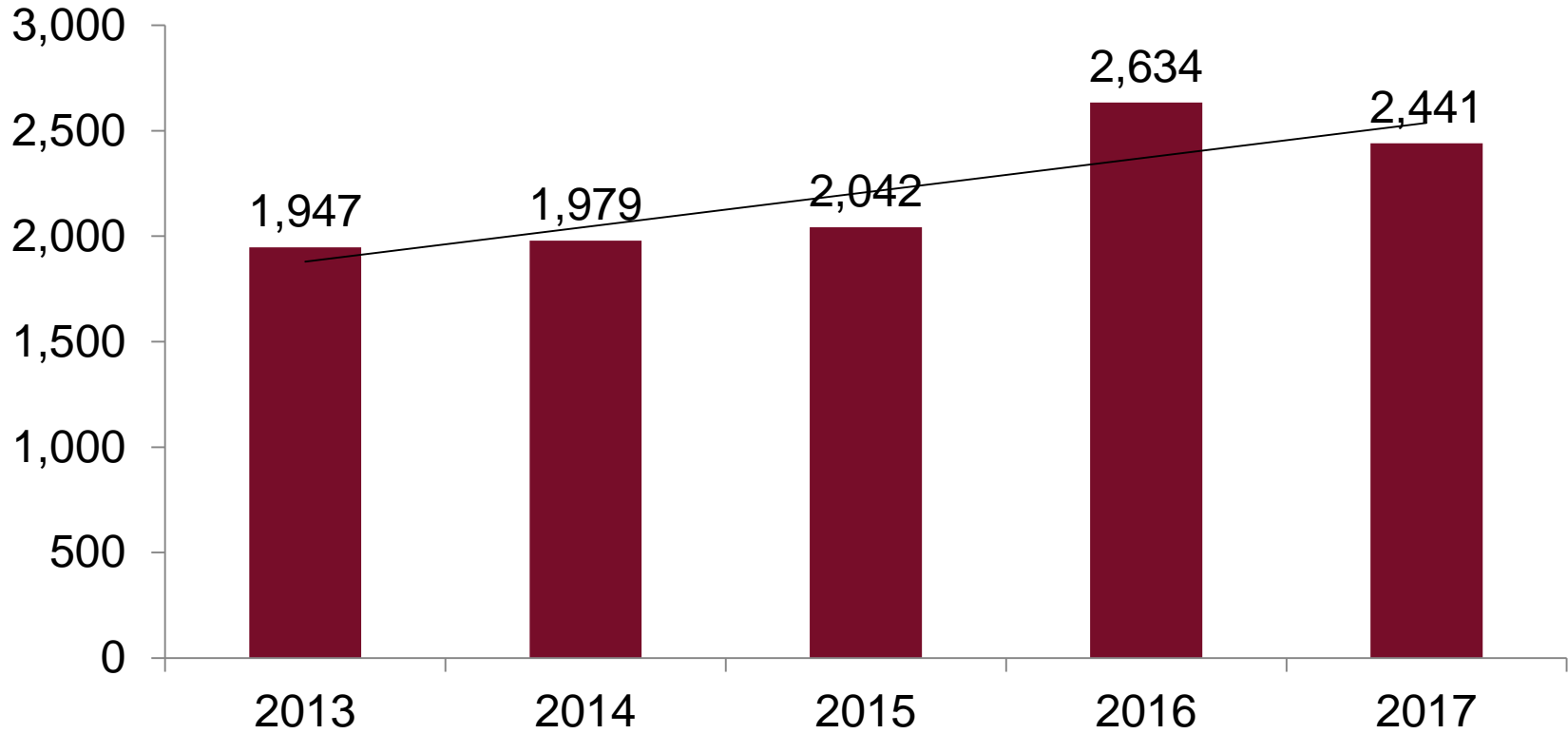
Based on students that paid the residence life fee. Includes Ball Residence, Tower, North Hall, and more.



# Campus Housing

## # All Undergraduates

Based on students that paid the residence life fee. Includes Ball Residence, Tower, North Hall, and more.

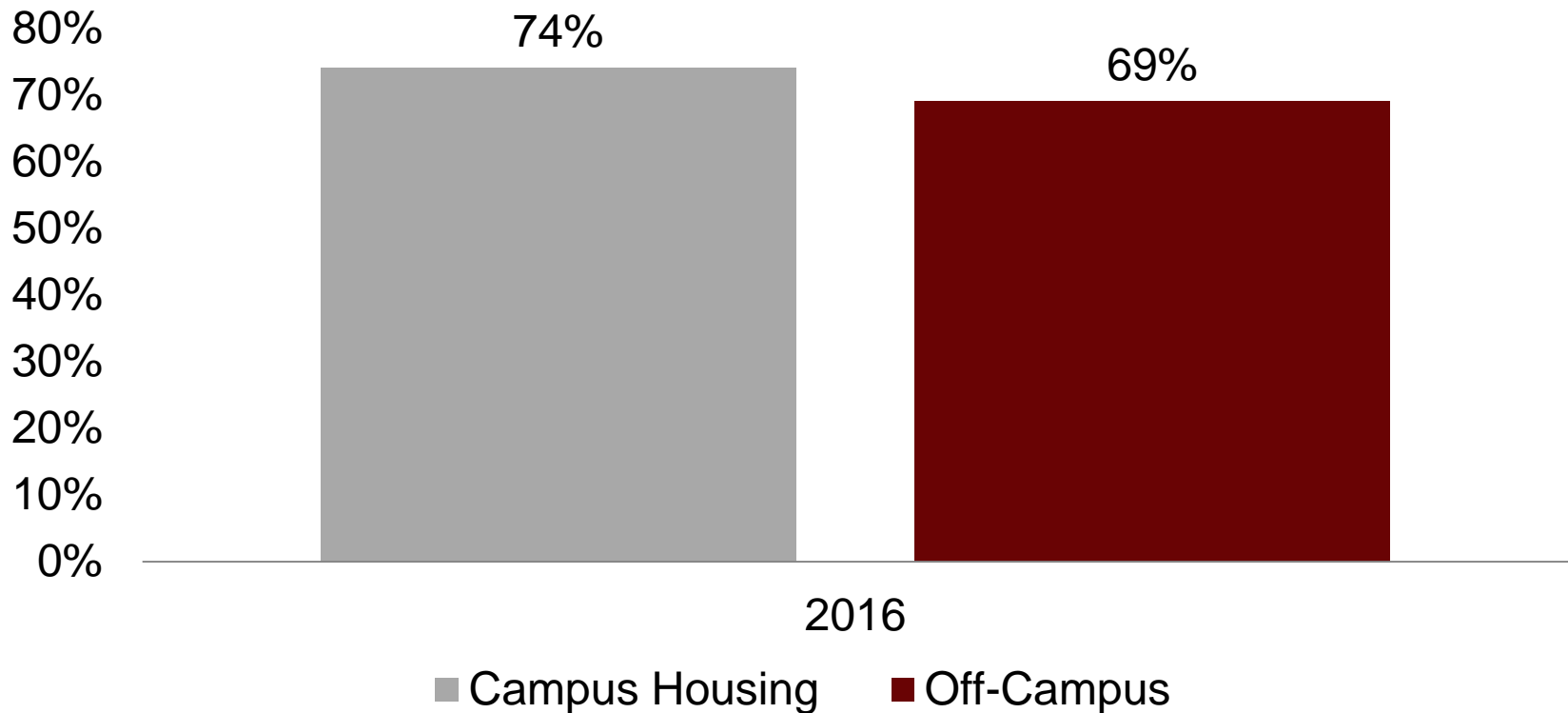




# Impacts on Housing on Retention

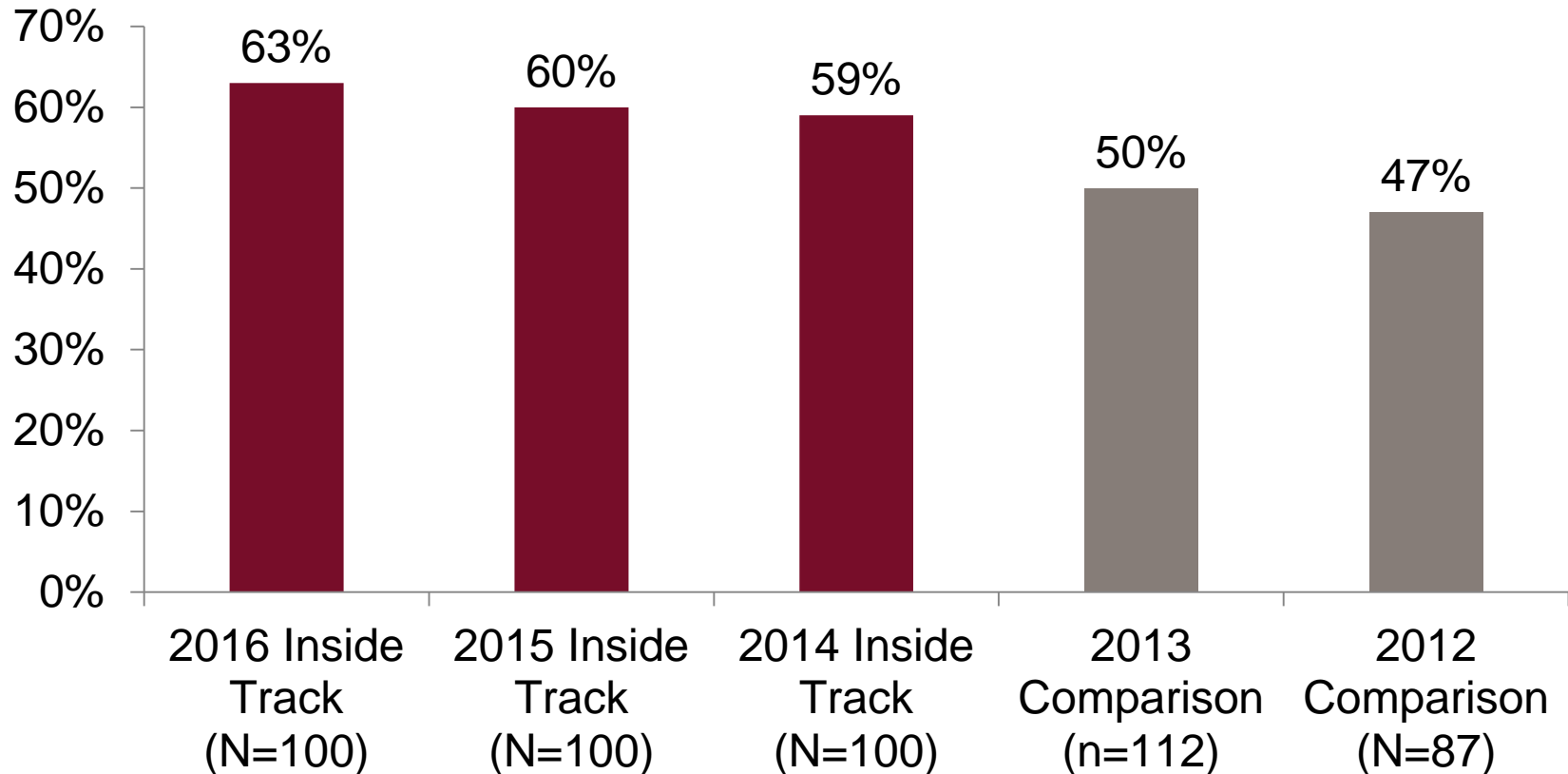
\* Not significant once Registration Date, HS GPA, SAT Score, and Level of Unmet Financial Need Taken into Account

## One-Year Retained IUPUI IN Campus



# Inside Track Coaching For High-Risk TFCS Students

## One-Year Retention Rates

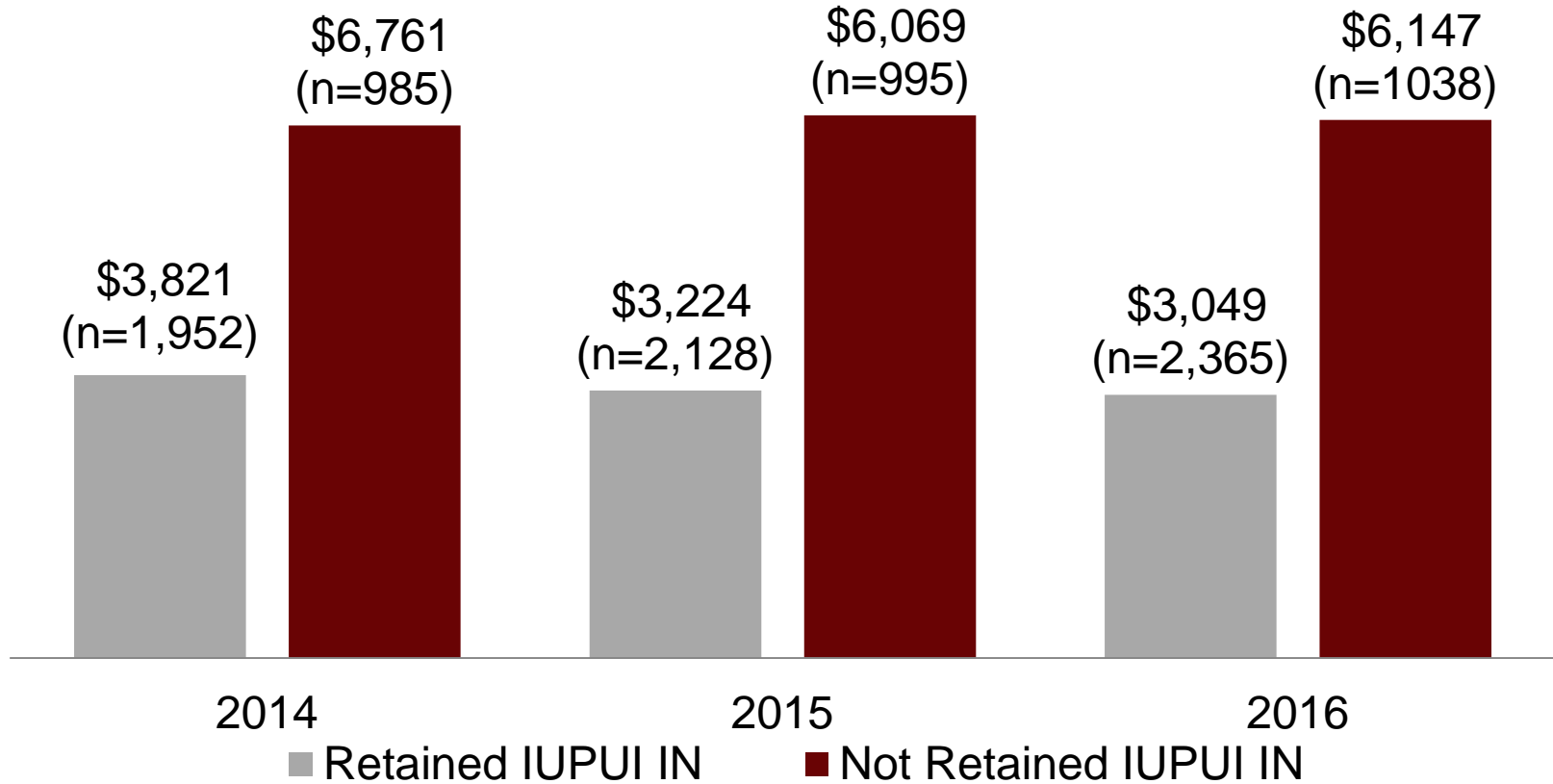


\* Matched comparison group consisted of First-Time, Full-Time 21st Century Scholars Students at IUPUI Indianapolis who Received State and IUPUI Institutional Funds and did not participate in peer mentoring or summer bridge interventions (2013 and 2012 cohorts previous to the implementation of the Inside Track Coaching interventions).



# Annual Unmet Financial Need and One-Year Retention FT, FT Beginners

## Total Unmet Financial Need Academic Year



# High-Risk Factors Associated with Poor Student Success – Survey Data

- High External Commitments (time planned to spend working for pay off-campus for pay, commuting, taking care of dependents and household responsibilities)
- Low sense of belonging and early on (feeling disconnected)
- Do not feel engaged on campus /perceive little campus life
- Lack of fit on campus
- Want to move back home/homesickness
- Low organizational commitment early on (plan to transfer)
- Lack of perceived ability self-efficacy in math, writing, and study skills
- Difficult time managing finances and paying for college
- Did not get into desired academic program
- Major not offered
- Personal reasons (family, health issues, psychological issues)





# What Well Working – Leverage and Sustain

- Summer Bridge
- High Impact Practices
- Diversity Enrichment and Achievement Mentoring (DEAP) Program
- Success Coaching
- Providing specialized, team-based academic and career development around a student's major (in DUE Academic and Career Development ACD)
- Institutional Aid and Programming - Success of Twenty First Century Scholars
- More Commitment to Need-Based Aid
- More Students Enrolling in 15 or More Credit Hours
- Campus Housing
- Attracting more Underrepresented Students and Making Progress on Improving Success Outcomes
- Graduates are getting jobs and staying in Indiana
- Faculty Teaching and Learning Excellence - Engaged in High Impact Practices
- Culture of data-supported planning, decision making, and improvement



# Consider and Continue to Explore

- Scaffolding High Impact Practices throughout all 4-5 Years and Ensuring all Students Participate
- Ensuring that interventions are reaching students that may benefit the most – more strategic targeting
- Continue Ways to Couple Institutional Aid With Programming
- Provide supports to help low-income students overcome practical barriers – Beyond Financial Aid.
- Move Beyond the First Year – More Collaboration with Schools, Inspiring Pre Majors and focus on Sophomores
- Math Academic Support in Credit Bearing Courses Corequisite Enrollment
- Ensuring High Quality Degrees - Capstone Experiences and Working With Employers
- Accelerated Degree Programs that are interdisciplinary
- Being strategic about ensuring the right students have the right support (students that will benefit most) - world of predictive analytics coupled with good analysis, evaluation, model refinements



# New Initiatives

- Success Coaching Pilots Using Predicted Analytics
- Strategic Information Council (action planning based on data)
- Revised Support for Conditionally Admitted Students
- Increased Need-Based Aid and Housing Stipends
- Beyond Financial Aid Partnerships with Social Work Registry of Options and Resources (ROAR)
- New Student Surveys to Identify Difficult Transitions (Graduate students and Transition to Major)



# School of Social Work Partnership

- [ROAR website](#) development
- New IU One.iu search engine resources for under-resources students
- Social Work student intern placements in Financial Aid, Dean of Students, 21<sup>st</sup> Century Scholar Support Programs, other areas





# Student Experience Council

## Subcommittees

1. Common first year experience
2. Helping students find community
3. Coordinated communication to students from deposit through the first year
4. Financial support for students





# APLU - Strategies used by Project Degree Completion (PDC) Award Applicants

1. Credit Campaigns (“Finish in Four”; “15 to Finish”)
2. Degree Maps (personalized set of courses required for a particular degree program and information on when courses are available)
3. Early Alert Indicators (predictive analytics, flags, data systems alerting of impediments)
4. Integrated Technology System (links data from multiple sources for better decision making and transparency or integrated early alert systems)
5. Bridge Programs (assisting in difficult transitions summer bridge, transfer bridge, discipline specific summer bridge programs)
6. Academic Support Centers (mentoring, tutoring, life skills, writing, etc.)
7. Course Redesign (retooling specific courses or sets of courses usually with high DFWI rates to improve pedagogical strategies and academic support structures)
8. Financial Literacy (training covering wide range of topics such as student loans, budgeting, developing savings and investment plans during and after college)
9. Learning Communities (cohort style or with a residential component – Living Learning Communities)
10. Financial Support (institutional completion grants and need-based aid)
11. Peer Mentoring
12. Proactive Advising (student-centered approaches with higher touch practices that include advising and coaching)



# Contact Information

Michele J. Hansen, Ph.D.  
Assistant Vice Chancellor  
mjhansen@iupui.edu  
317-278-2618

Institutional Research and Decision Support  
irds.iupui.edu

[IUPUI Data Link](#)



Contact us with questions or requests for information!

