

House Appropriations  
Subcommittee on Higher  
Education and Community  
Colleges

Michigan State  
University, AgBio  
Research, and MSU  
Extension

February 21, 2019

**MICHIGAN STATE**  
**U N I V E R S I T Y**

# Serving Michigan First

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# Serving Michigan First



## In-State Enrollment

MSU welcomes students from all 83 Michigan counties

30,521 undergraduates are Michigan residents, the highest number in at least 10 years

77.1% of all undergraduates are Michigan residents

## In-State Employment

65% of all graduates obtain employment in Michigan within 6 months of graduation

## Economic Impact

MSUs economic impact exceeds \$5B annually

## MSU Product Center

MSUs business development center created 1,995 jobs and has also assisted in creating or expanding **634 businesses** and increased sales by **\$402M**

# Serving Michigan First

## MSU AgBioResearch & MSU Extension

### MSU AgBioResearch & MSU Extension

MSU AgBioResearch and MSU Extension contribute to Michigan's economy with significant research, educational programs and a community presence to boost economic development and growth related to agriculture and natural resources, community vitality, entrepreneurship, and career preparation.

### MSU AgBioResearch

Focus on key research areas in:

- Resilient and profitable agriculture and natural resource systems
- Natural resources stewardship and ecosystem health
- Secure food, fiber, and energy systems
- Food safety
- Nutrition and health

### MSU Extension

Areas of focus include:

- Developing youth and communities
- Ensuring safe and secure food
- Ensuring strong communities
- Keeping businesses strong
- Keeping people healthy
- Making the most of Michigan's natural assets
- Supporting food and agriculture



# Serving Michigan First

## Students from Middle Class Families

Approximately two thirds MSU students from families who are at or below the Pew Center definition of "Middle Class"

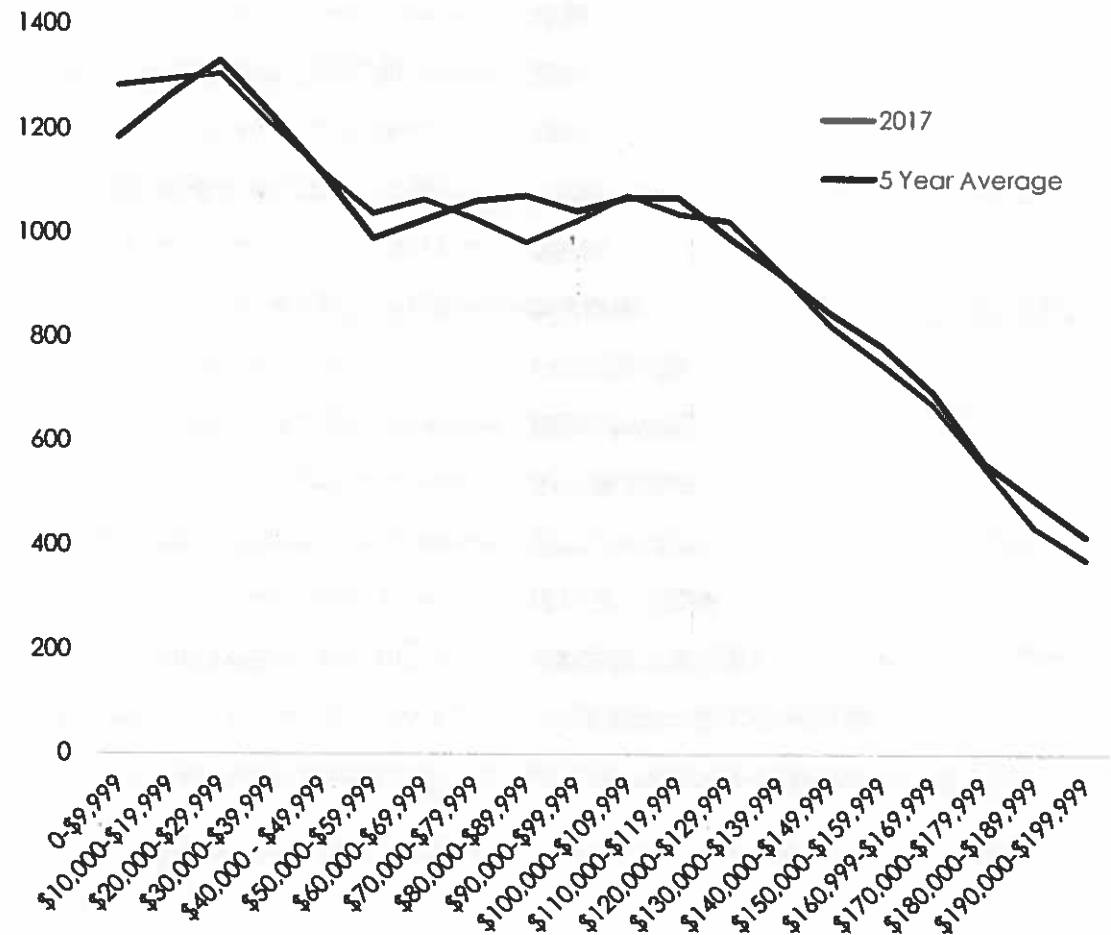
## Student Loans at Graduation

Half of graduating seniors graduate with no debt

## Families making less than \$20,000

MSU enrolls more students from families making less than \$20,000 than 5 years ago

Family Income for Financial Aid Filers



Note: Families reporting \$200,000 or more in annual income truncated for purposes of this analysis

# Serving Michigan First | Undergraduate Enrollment by Institution

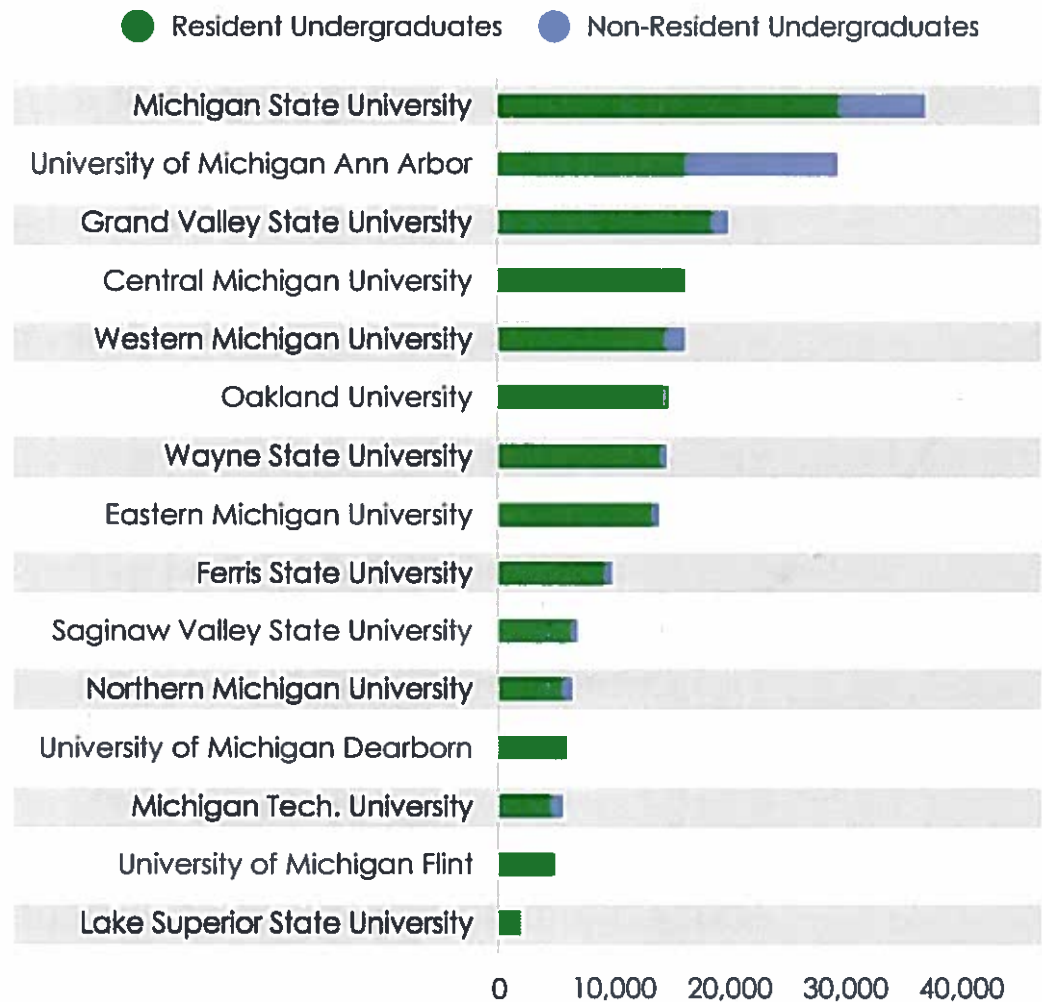
## MSU resident undergraduates

MSU enrolls more resident undergraduate students than its state peers, with approximately 11,000 more resident undergraduate FYES than its nearest peer

## U of M non-resident enrollment

U of M's non-resident undergraduate population approximates 45 percent, 25 percentage points more than MSU.

If MSU mimicked U of M's non-resident population, MSU would operate with over \$100M in additional revenue annually



# Academic Competitiveness

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# Academic Competitiveness

## National Rankings

MSU has 9 programs ranked #1 nationwide and a total of 32 graduate and undergraduate programs/schools ranked in the top 25 nationwide.



- Supply Chain\*\*
- African History\*
- Elementary Teacher Education\*
- Higher Education Administration\*
- Secondary Teacher Education\*
- Industrial/Organizational Psychology\*
- Rehabilitation Counseling\*
- Nuclear Physics\*

- Educational Administration & Supervision\*
- Educational Psychology\*
- Curriculum & Instruction\*
- Education Policy\*
- Production/Operations\*\*
- Criminology\*
- Online Criminal Justice\* (2018)
- Agricultural Engineering

- Accounting
- Management
- International Business\*\*
- Online Business (excludes MBA)\* (2018)
- Undergraduate Business Program
- Management Information Systems
- Graduate Education Schools\*
- Special Education\*
- Student Counseling (School Psychology)\*
- Biological/Agricultural Engineering\*
- Econometrics\*
- Veterinary Medicine\*
- Online Graduate Nursing\* (2018)

2019 unless otherwise noted  
 \*Indicates graduate program  
 \*\*Indicates both graduate & undergraduate programs

As of 1/21/19

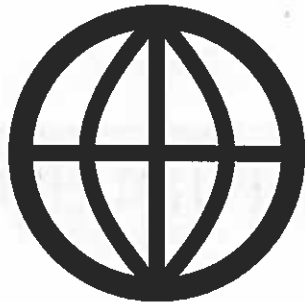


# Academic Competitiveness

Global rankings

**90<sup>th</sup>**

U.S. News and World Report  
2019 Best Global Universities



**93<sup>rd</sup>**

Times Higher Education (London)  
World University Rankings, 2019

## **10 Programs Ranked in the top 25 globally\***

Agricultural Sciences  
Agriculture and Forestry  
Communication  
Communication & Media Studies  
Education  
Environmental Science & Engineering  
Hospitality & Leisure Management  
Plant & Animal Science  
Veterinary Science

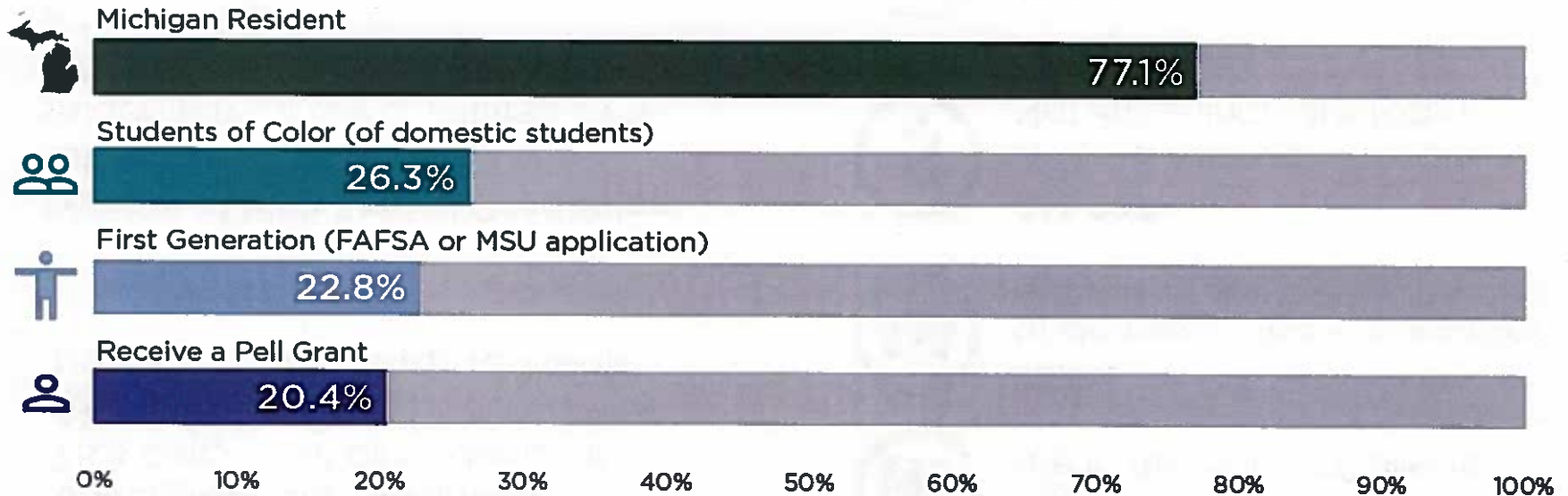
\*Includes rankings from:  
Academic Ranking of World Universities (Shanghai) 2018  
Quacquarelli Symonds (QS) World University Rankings (London), 2018  
Times Higher Education World University Rankings (London), 2019  
U.S. News and World Report Best Global Universities, 2019

# Enrollment Overview

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# Enrollment Overview | Enrollment Overview

There were 8,442 students in the fall 2018 entering class



The fall 2018 entering class is the most racially/ethnically diverse class ever.

8.6% of the entering class are in the Honors College, the highest percentage in at least 10 years.

# Enrollment Overview | Undergraduate Overview

50,351 students were enrolled for fall semester 2018. 23.5 percent are students of color, the most racially/ethnically diverse student population to date.

## Undergraduate Enrollment

78.3 percent of all students, or 39,423, are undergraduates. 77.4 percent are Michigan residents

## Percent of High School Graduates

Total resident undergraduate students, routinely admitting over 5% of the state's graduating high school seniors

## Of undergraduate students...



**10.2%**

are in the Honors College



**23.8%**

of domestic undergraduates are students of color



**\$16,227**

2017-18 Average In-State Net Price (includes room and board)



**90.7%**

are full-time students

# Enrollment Overview

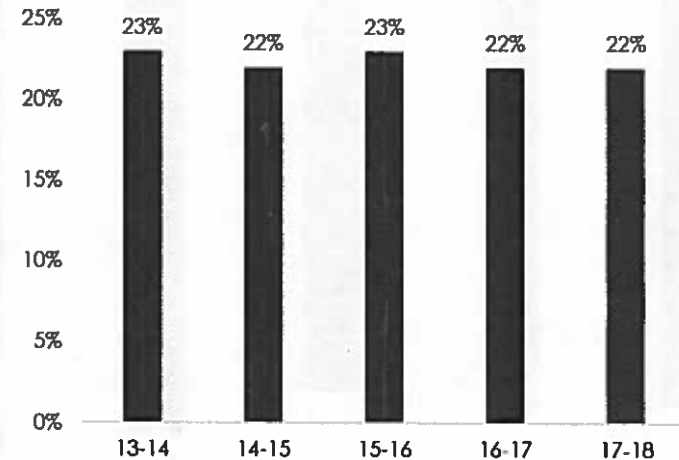
## Students Receiving Pell

### Percentage of Students Receiving Pell Over Time

The percentage of students receiving a Pell Grant has remained between 22 and 23 percent over the last five years (2013-2017)

### 2017-18

8,539 students (22% of all undergraduates) received a Pell Grant. This represents or approximately 2 in every 9 students.



### Average Pell Grant Amount

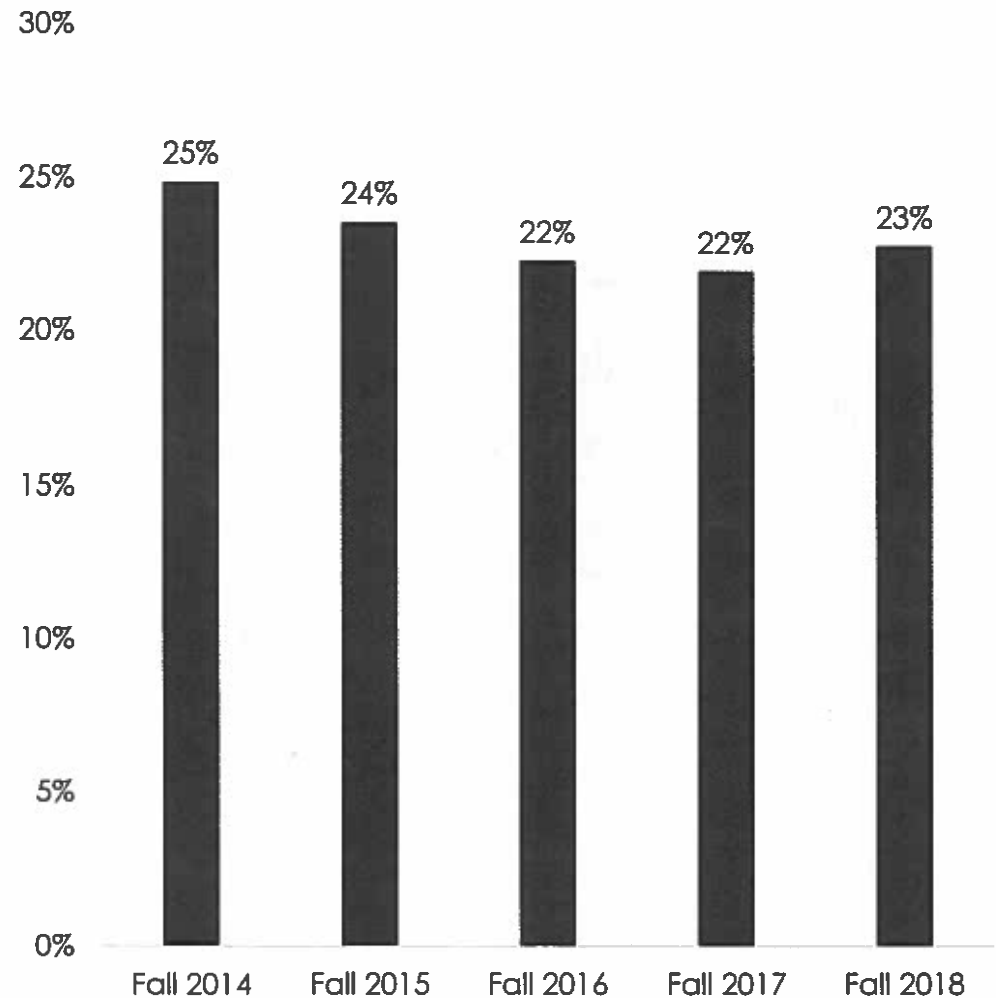
The average Pell Grant amount was \$4,887 with a total of \$41.7 million awarded.

# Enrollment Overview

## First Generation Students

### Percentage of Students Who Self-Identify as First Generation

The percentage of students receiving a Pell Grant has remained between 22% to 25% percent over the last 5 years.



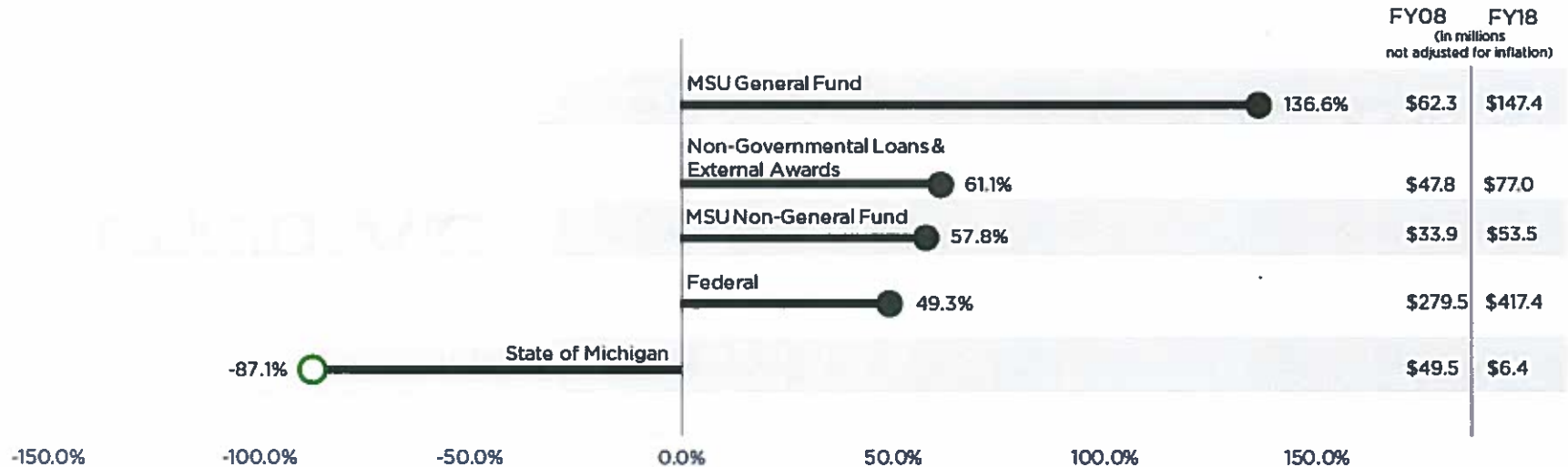
# Financial Aid

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# Financial Aid

## MSU Financial Aid | Overall 10 Year Change

Total support for student assistance **increased 48.4%** between FY08 and FY18, moving from \$473.0 million to \$701.7 million (not adjusted for inflation).





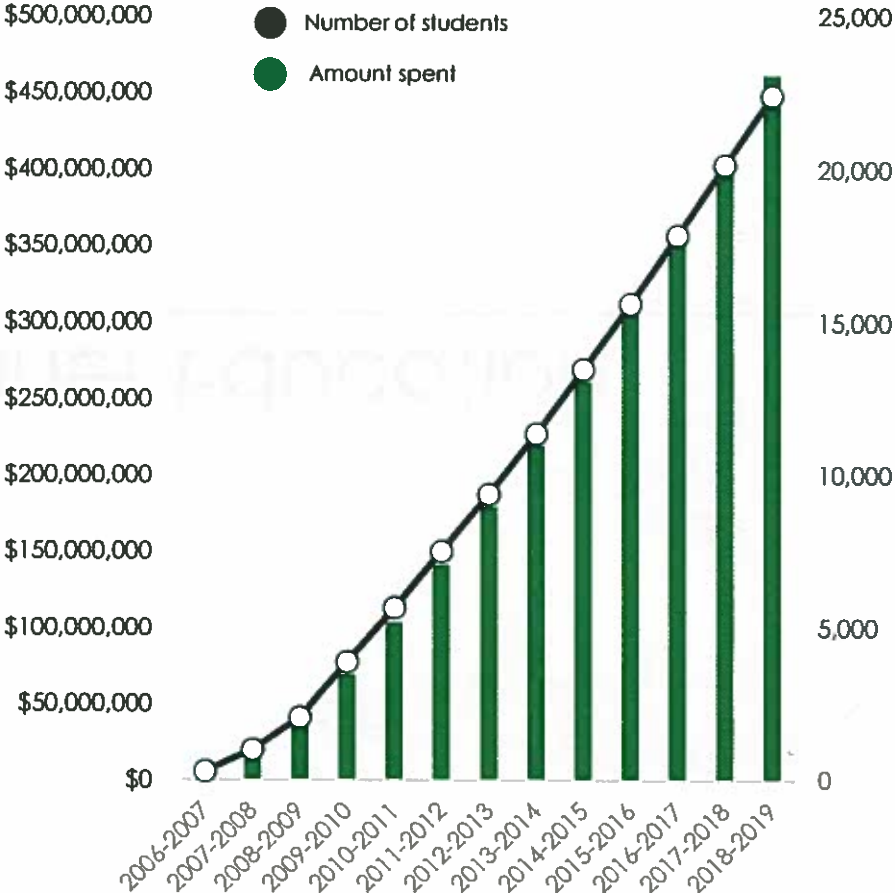
# Financial Aid | Spartan Advantage Program

## MSU Spartan Advantage Program

Spartan Advantage provides full tuition, room and board, and books to students from families with income at or below the federally established poverty guidelines. Current students with a family size of four and family income of \$25,750 could qualify for the program.

Since inception, the Spartan Advantage program has facilitated close to \$500M in aid for over 22,000 students from Federal, State, and Institutional sources

## Total Impact of the Spartan Advantage Program Over Time



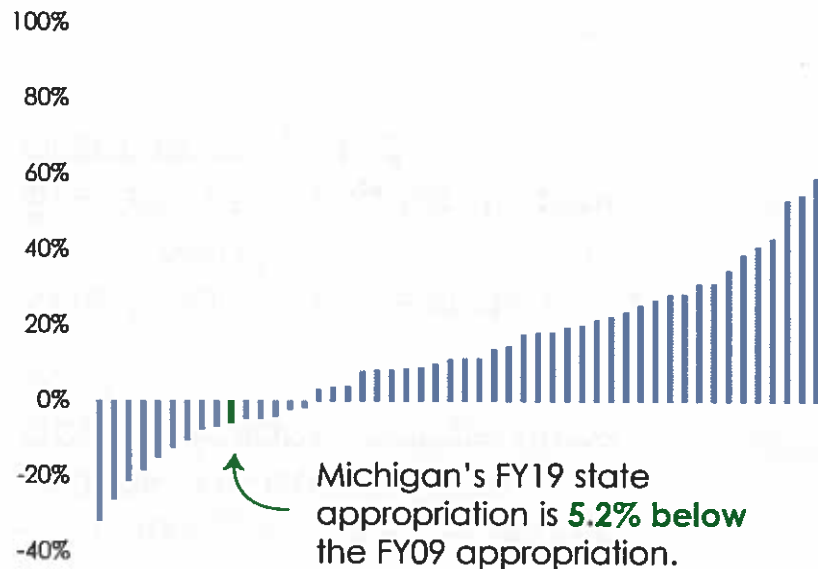
# State Support for Higher Education

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## 10 Year Percent Change in State Appropriations

The state of Michigan ranks **40<sup>th</sup>** of 50 states for ten-year change in appropriations

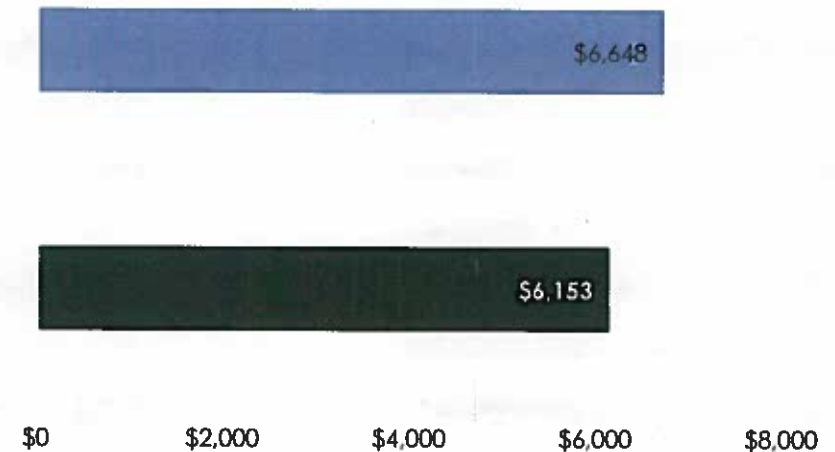


Source: Grapevine, Illinois State University

Michigan's change in state appropriation over 10 years is 16.7 percentage points below the median

## Per Pupil State Appropriation

MSU's per student state appropriation **declined** more than 7 percent between FY09 and FY19 from \$6,648 to \$6,153.



Current per student appropriations remain below the 1992 level

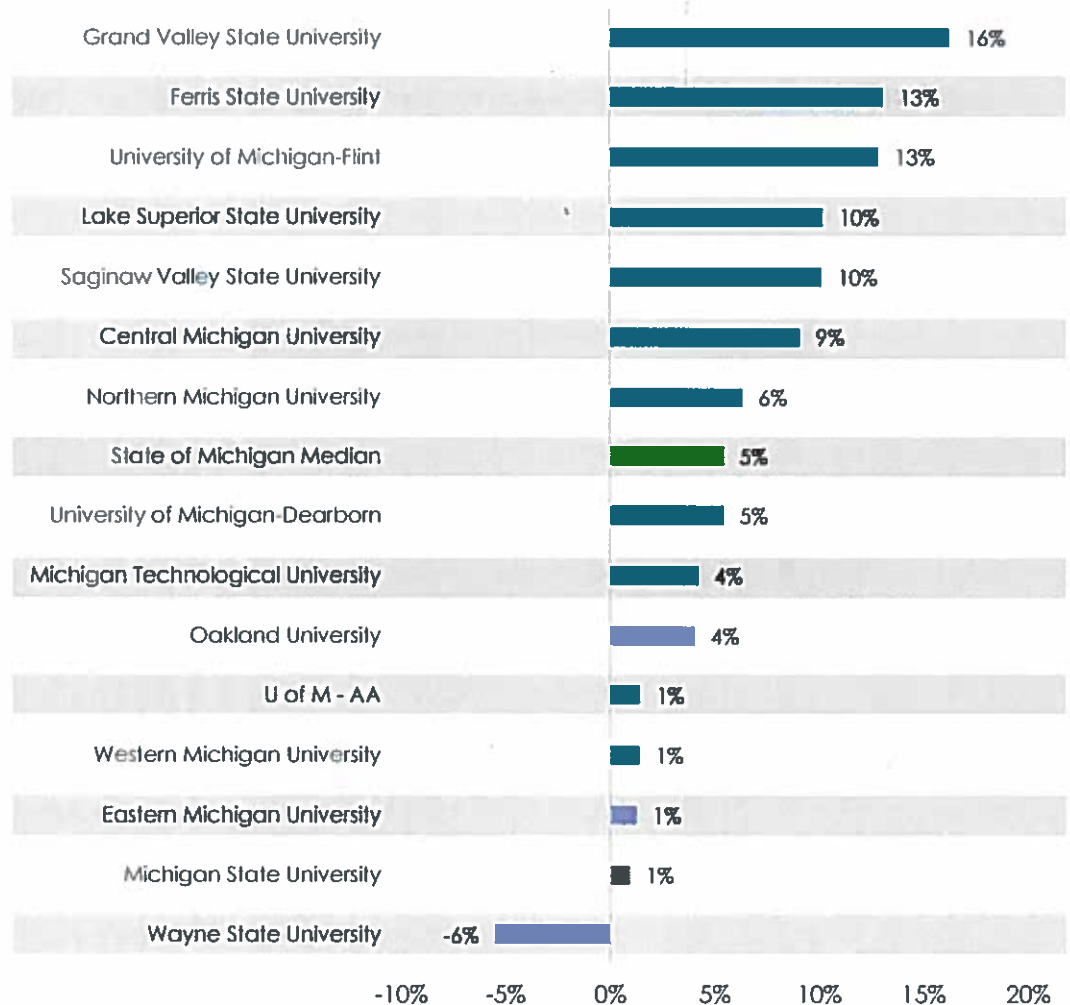
# State Support for Higher Education

## Appropriations Recovery

### Appropriations Since 2011

MSU last amongst institutions complying with tuition restraint provision in percentage appropriations change since 2011

MSU funding at the state median would result in an additional \$14.2M in funding for student programming and financial aid

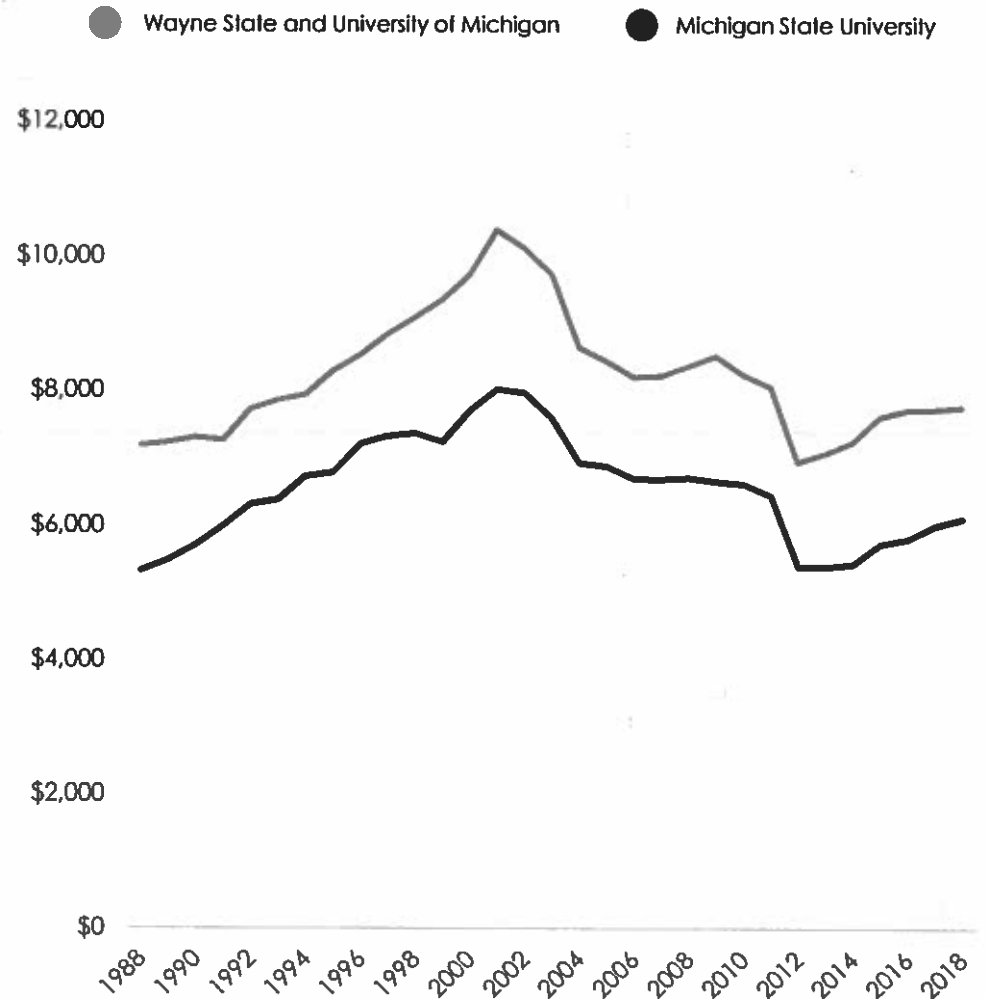


● Indicates institutions that did not comply with tuition restraint provision in one or more years

# State Support for Higher Education

Per Pupil Appropriation Comparison | University of Michigan and Wayne State

MSU currently lags the average appropriations per student of U of M and Wayne State by approximately \$1,650 per student – represents approximately \$76M in additional resources



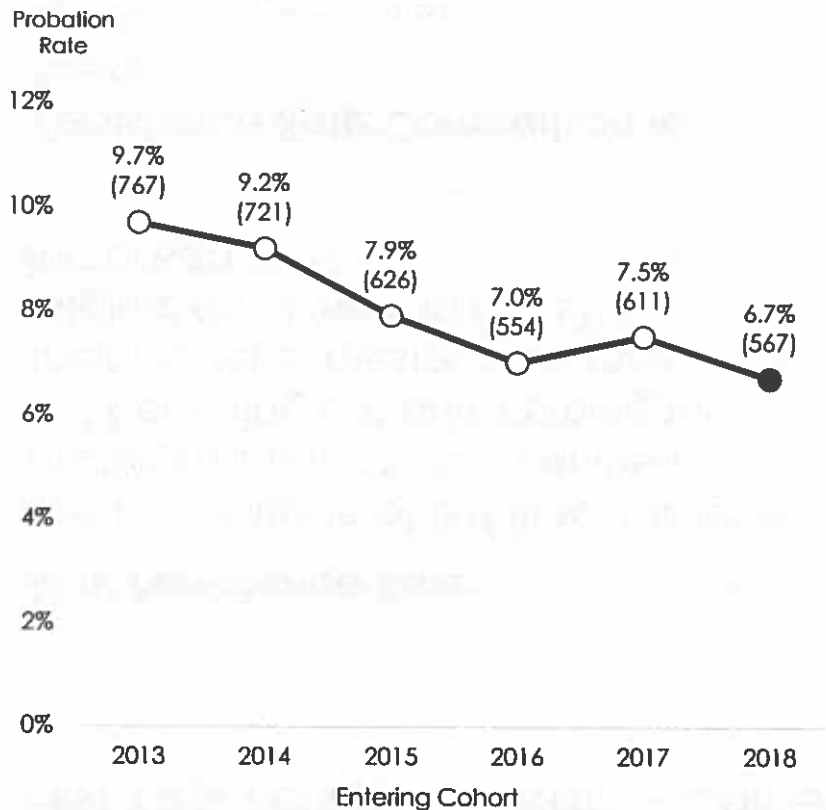
# Student Success

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# Student Success

## First Semester Probation Rate and Neighborhoods

The first fall semester probation rate for first time students declined to 6.7%, the lowest rate on record.



### Neighborhoods

A campus-based, wrap around student success network that includes support for academic and personal success

### Student Success Teams

Professionals in each Neighborhood that conduct group-level and individual reviews to identify students for personalized outreach and interventions

# Student Success

## First Year Persistence Rate – Carnegie Peer Group

### MSU Persistence Rate

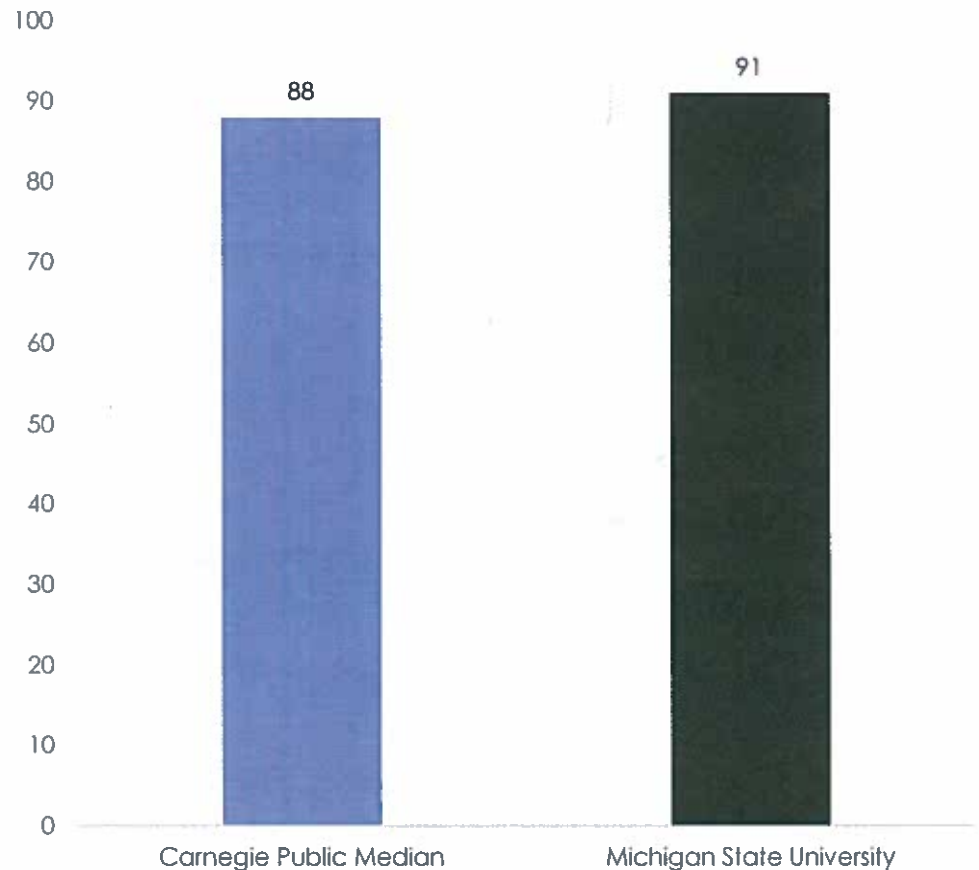
The percentage of first time, full-time undergraduate students in the fall 2017 entering cohort returning for their first fall semester after their original enrollment in fall 2018 increased to 91.9%.

### Persistence Rate Comparison to Peers

MSU's first time, full-time undergraduate student persistence rate consistently outperforms Carnegie peer median.

### Fall 2017 Persistence Rate

(most recent year available for all institutions)





# Student Success

## Federally Reported 6-Year Graduation Rate – Carnegie Peer Group

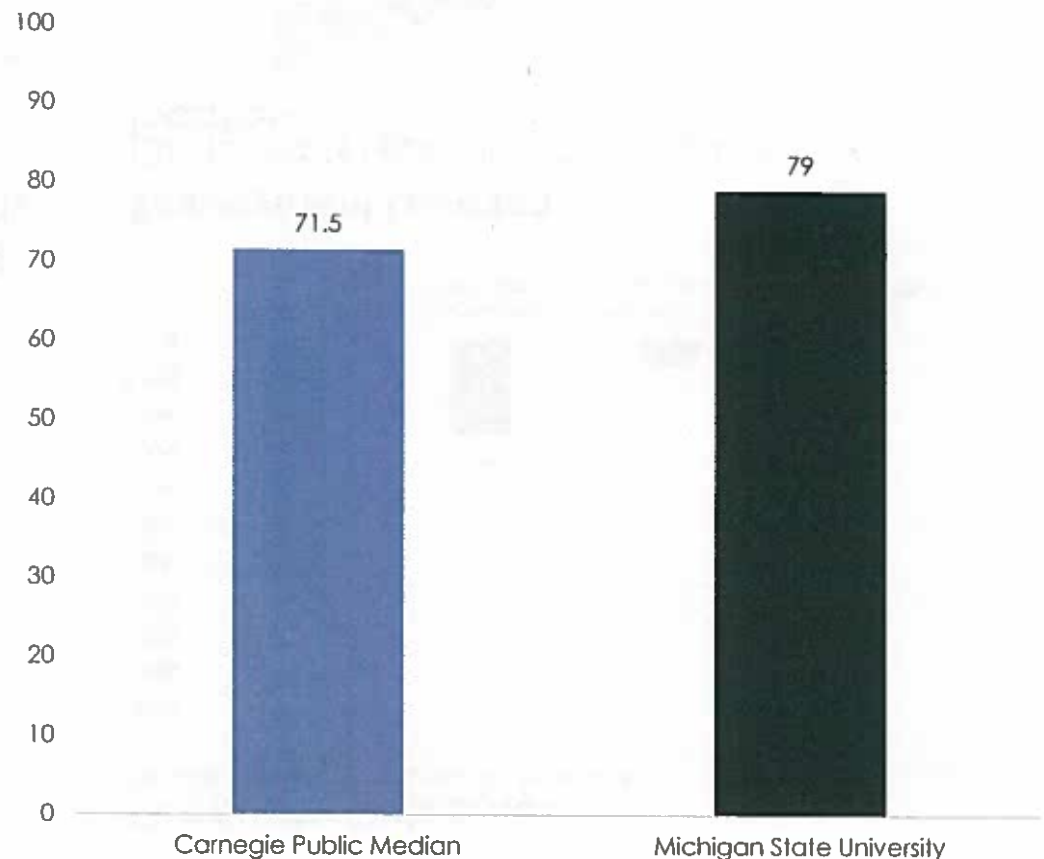
### MSU Graduation Rate

The percentage of students entering in 2012 and graduating within 6 years reached a **record high of 80%**.

### Graduation Rate Comparison to Peers

MSU's 6-year graduation rate for students entering in 2011 (most recent year available for all institutions) exceeds Carnegie peer average by over 7 percentage points and the U.S. News and World report predicted rate by 10 percentage points, the highest in the Big Ten

**Six Year Graduation Rate**  
(2011 Entering Cohort)



# Student Success | Outcomes

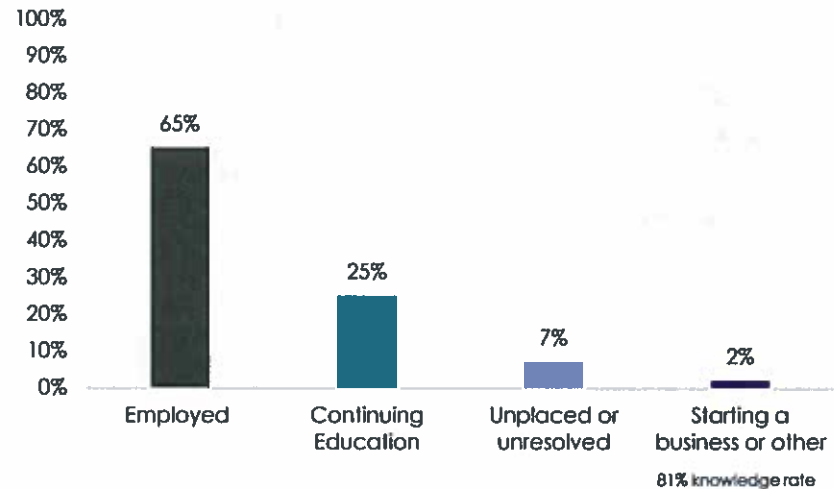
## Of students in the 2012 entering class...

80% graduated from MSU within 6 years, 7% graduated from another institution, 3% transferred to and are still enrolled in another institution, 2% remain enrolled at MSU, and 7% had no further enrollments found. This may indicate, for International students, returning to their home country.

Note: Due to the point in time which data were retrieved, totals may not sum to 100%.

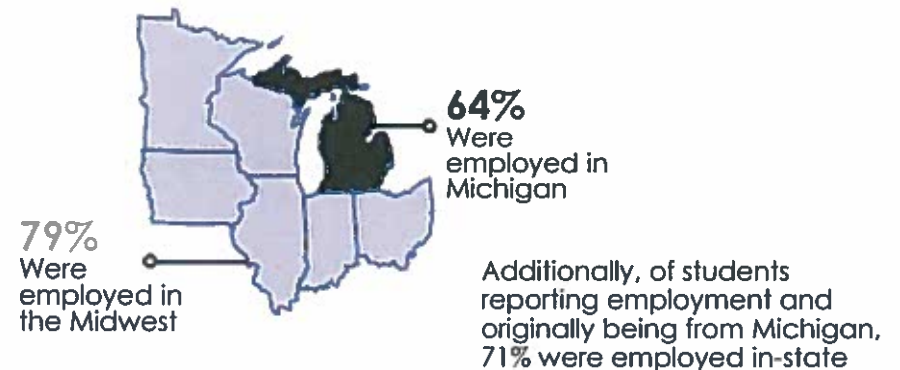
## Graduate Outcomes

(of students graduating in spring or summer 2018)



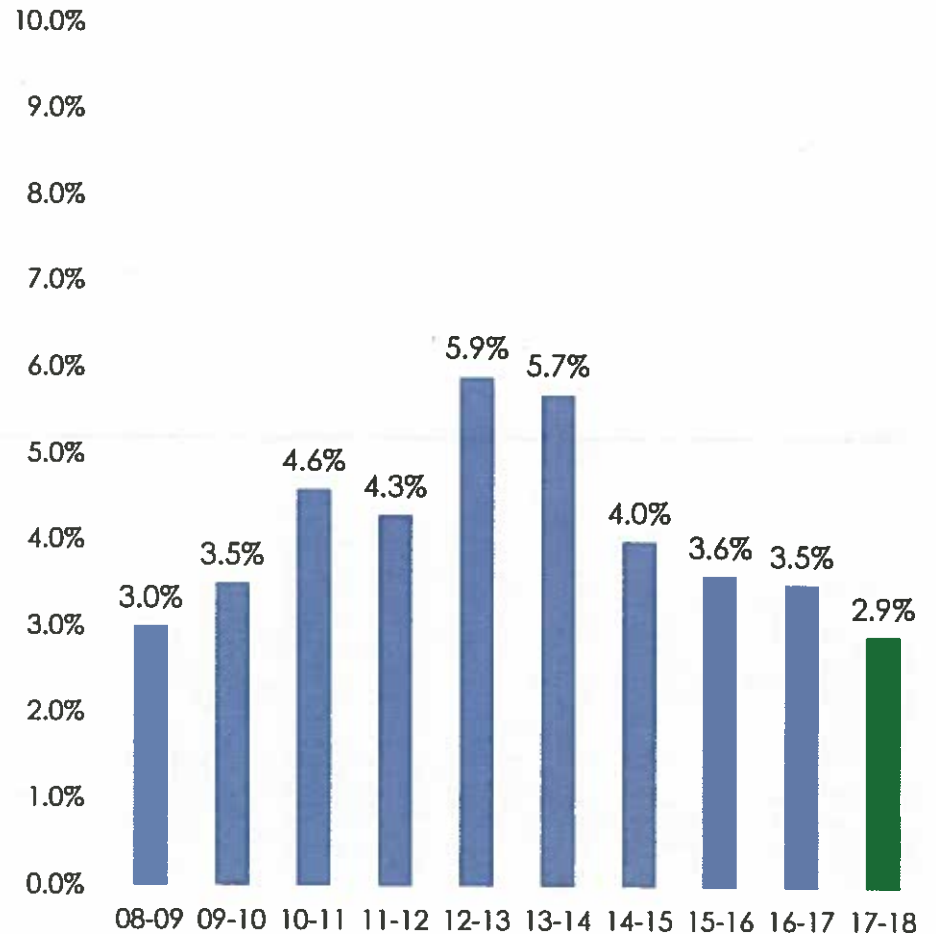
## Employment Location

Of students reporting an employment location



# Student Success | Cohort Default Rate

MSU's student loan cohort default rate continues to decline and is currently 2.9%, the **lowest** number recorded in the last 10 years. This is also significantly lower than the national average of 10.8% (FY15, most recent year available).



# Research Portfolio

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# Research Portfolio

## Sponsored Programs

### Total Sponsored Programs

Total sponsored programs approximate \$700M annually, an increase of over 50% over ten years.

### Research and Development

MSU ranks 32<sup>nd</sup> annually for annual R&D expenditures, and 7<sup>th</sup> in the Big Ten

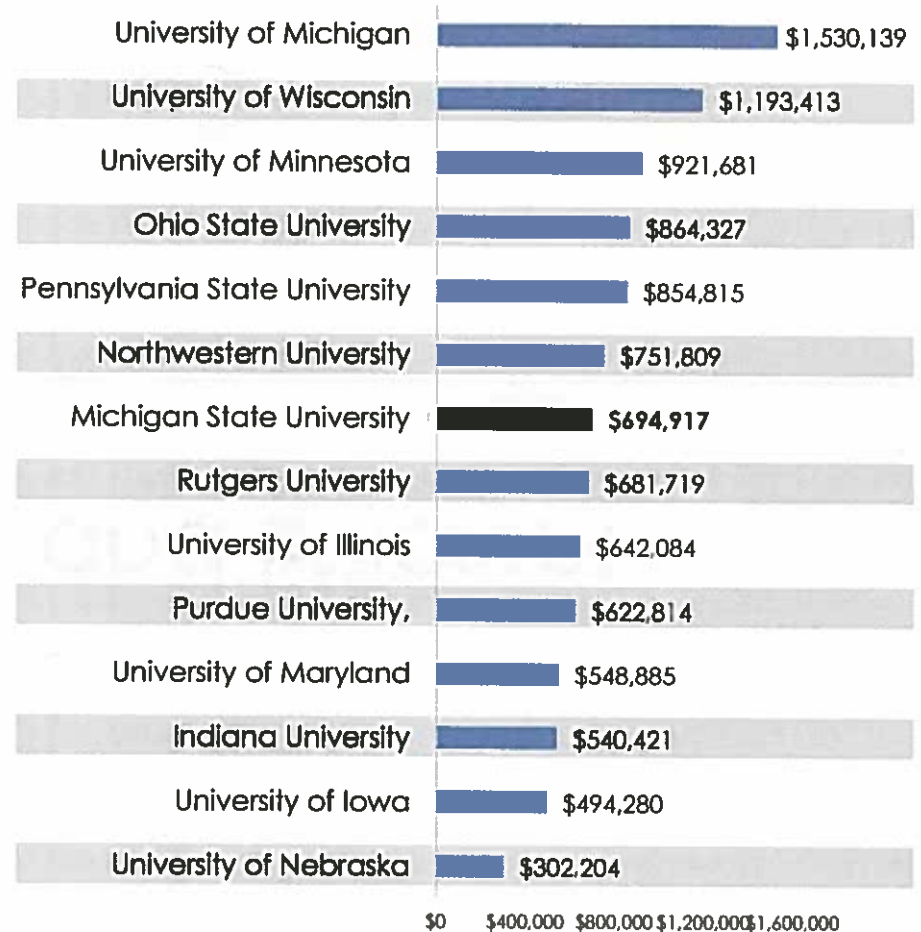
### Sponsored Programs per tenure system faculty

MSU sponsored programs per tenure system faculty member exceed \$300k, an increase of 50% over ten years

### Three Year Rate of Change

Across the Big Ten, MSUs rate of change ranks number 1 over the past 3 years

### Big Ten 2017 R&D Expenditures



# Cost Containment and Efficient Operations

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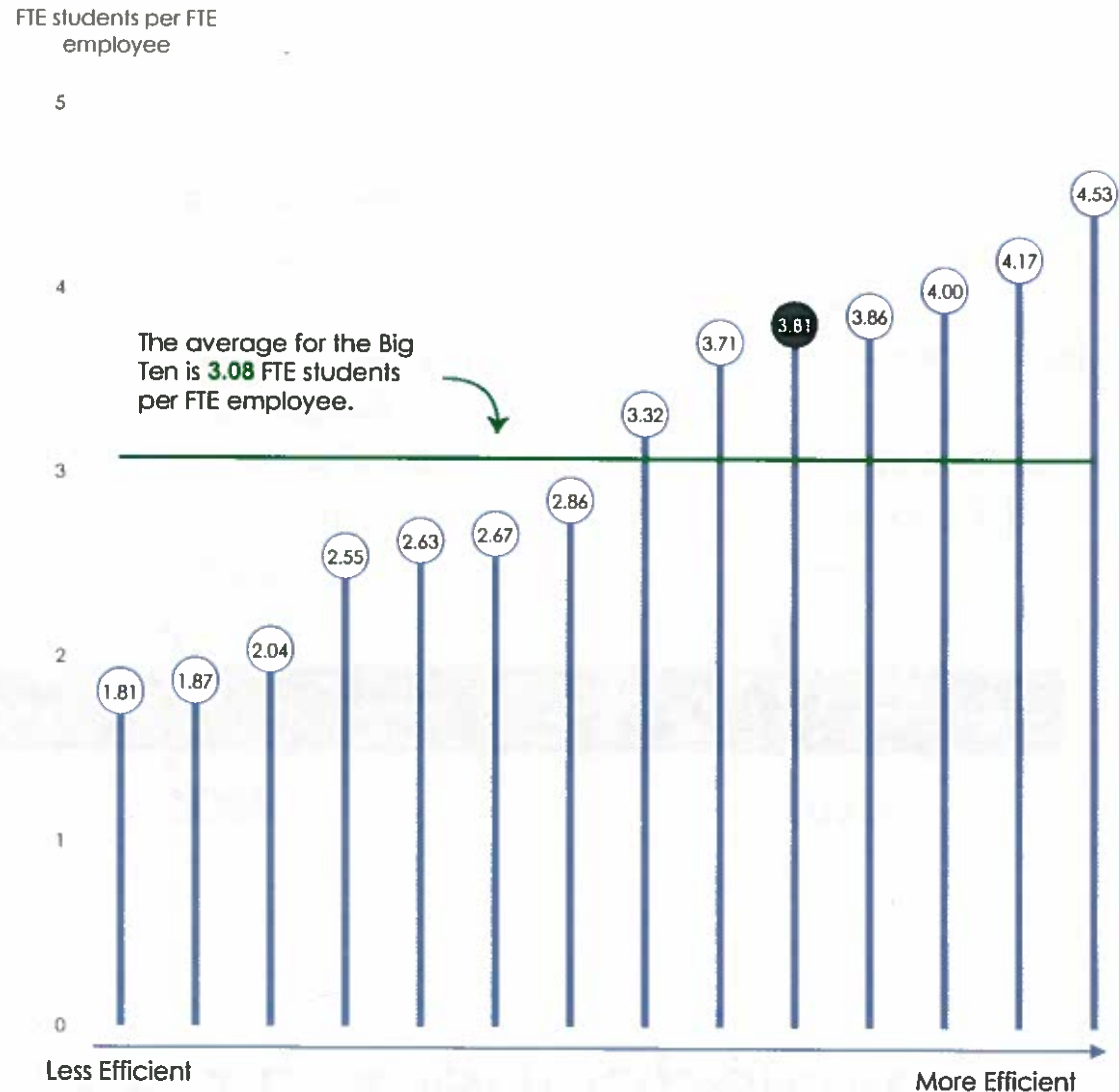
## Students Per Employee

MSU functions with more FTE students (fall 2017 enrollment) per total FTE staff than the Big Ten average and ranks 5th out of 14 Big Ten schools for the number of students per employee.

## Cost Savings & Avoidance

\$44M in savings since 2009 due to conservation and plant efficiency efforts.

Cost avoidance savings exceed \$50M over the last 8 years due to improved purchasing agreements.



# Cost Containment and Efficient Operations

Long term commitment

