State Budget Impact on Research & UWM

BioForward Breakfast
April 20, 2017
UW-Milwaukee Chancellor Mark A. Mone

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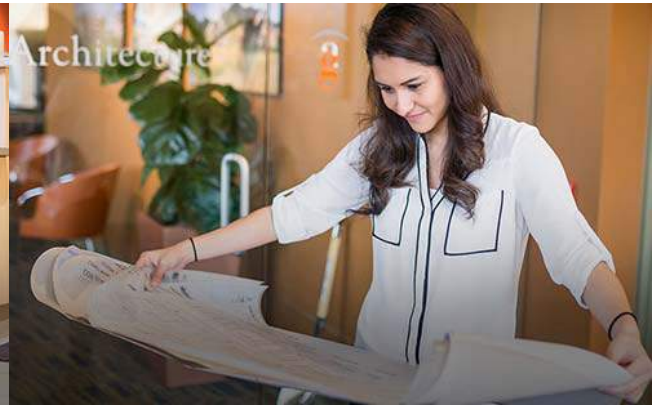
UWM Stats 2016-17

- 26,037 students
- Most diverse campus in Wisconsin
- 84 percent of students are Wisconsin residents
- 5,300 graduates in 2016
- 74 percent of graduates live & work in Wisconsin



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Dual Mission: Research & Access

UWM has established a reputation for research excellence, graduating high-achieving students, and working with the region and state

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One of America's TOP RESEARCH UNIVERSITIES

#PantherProud

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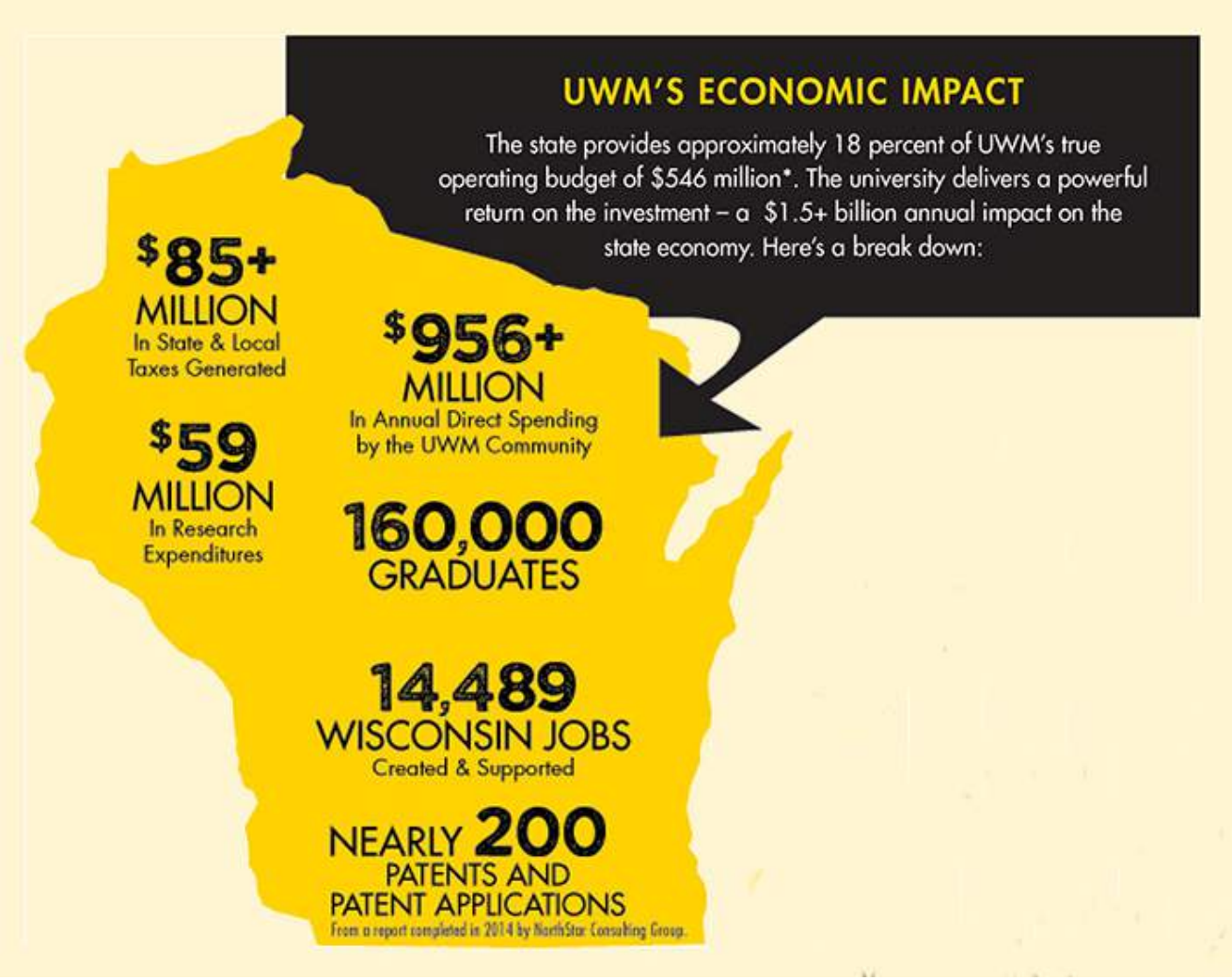
Research = Growth



From a report completed in 2014 by the NorthStar Consulting Group

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Research, Patents & Training

2016 Total Awards
$51.2 Million

[$26.3 million] FEDERAL

[$7.9 million] FOUNDATIONS AND GIFTS

[$7 million] HIGHER EDUCATION INSTITUTIONS

[$4.3 million] NON-FEDERAL GOVERNMENTS

[$3.1 million] BUSINESS AND INDUSTRY

[$2.6 million] NONPROFIT ORGANIZATIONS

2016 Awards by Sponsor

- **NSF** $11.2 million
- **NIH** $4.4 million
- **Education** $3.1 million
- **Energy** $2 million
- **HHS** $1.6 million
- **ONDCP** $1.2 million
- **USDA** $384,000
- **CDC** $312,000
- **Defense** $152,000
- **Other** $1.9 million

Source: UWM Office of Research

UWM Research Foundation

Founded: 2006

50 PATENTS

- **41** Pending Patent Applications
- **60** Licensing/Option Agreements
- **13** Related Faculty Startups

Entrepreneurial Training

260 STUDENT IDEAS
submitted through Student Startup Challenge in 5 years

1,400 participants
in Fresh Ideas workshops (Fall 2016)

45
I-Corps teams trained

Source: Lubar Entrepreneurship Center

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Investing in Research

UWM Research Foundation Catalyst Grant Award Program

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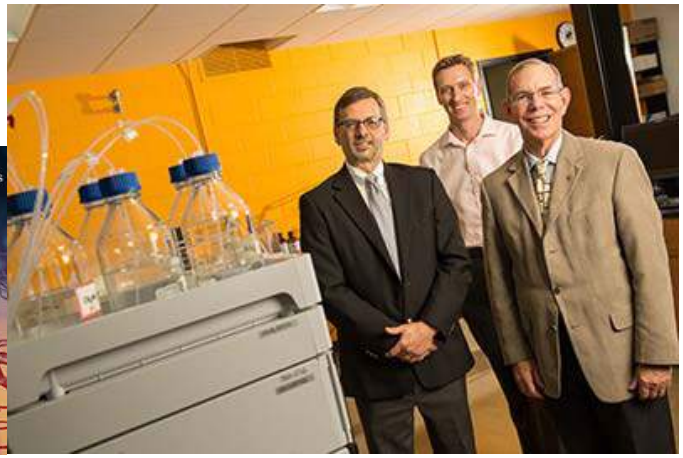
Investing in Research

- Milwaukee Institute of Drug Discovery
- Pharma company licensing for anti-cancer pro-drugs
- Catalyst grants for work with drug compounds
- Local biotech company raised $26M

MILWAUKEE INSTITUTE FOR DRUG DISCOVERY
UNIVERSITY OF WISCONSIN-MILWAUKEE



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Impact of Proposed Budget

$105 million for UW System ➡ Metrics ➡ Compensation ➡ UWM capital budget

$42.5M new funds >

UWM & UWS institutions measured & ranked

Return of $50M lapse >

Much-needed base funding restored

Compensation increases >

Not secured; Proposed savings may not be seen for years

UWM Capital budget >

47K sq ft of NWQ space brought up to code

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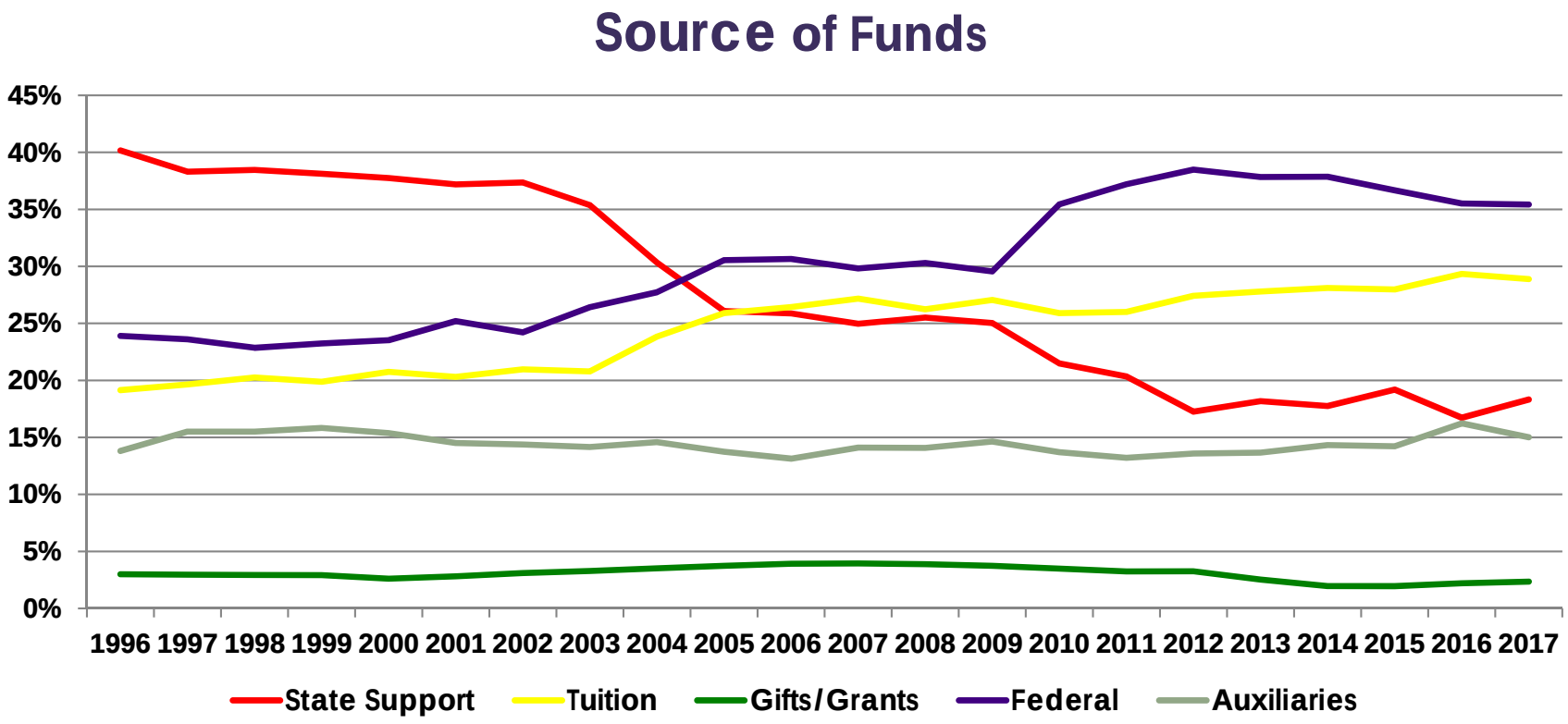
Impact of Proposed Budget



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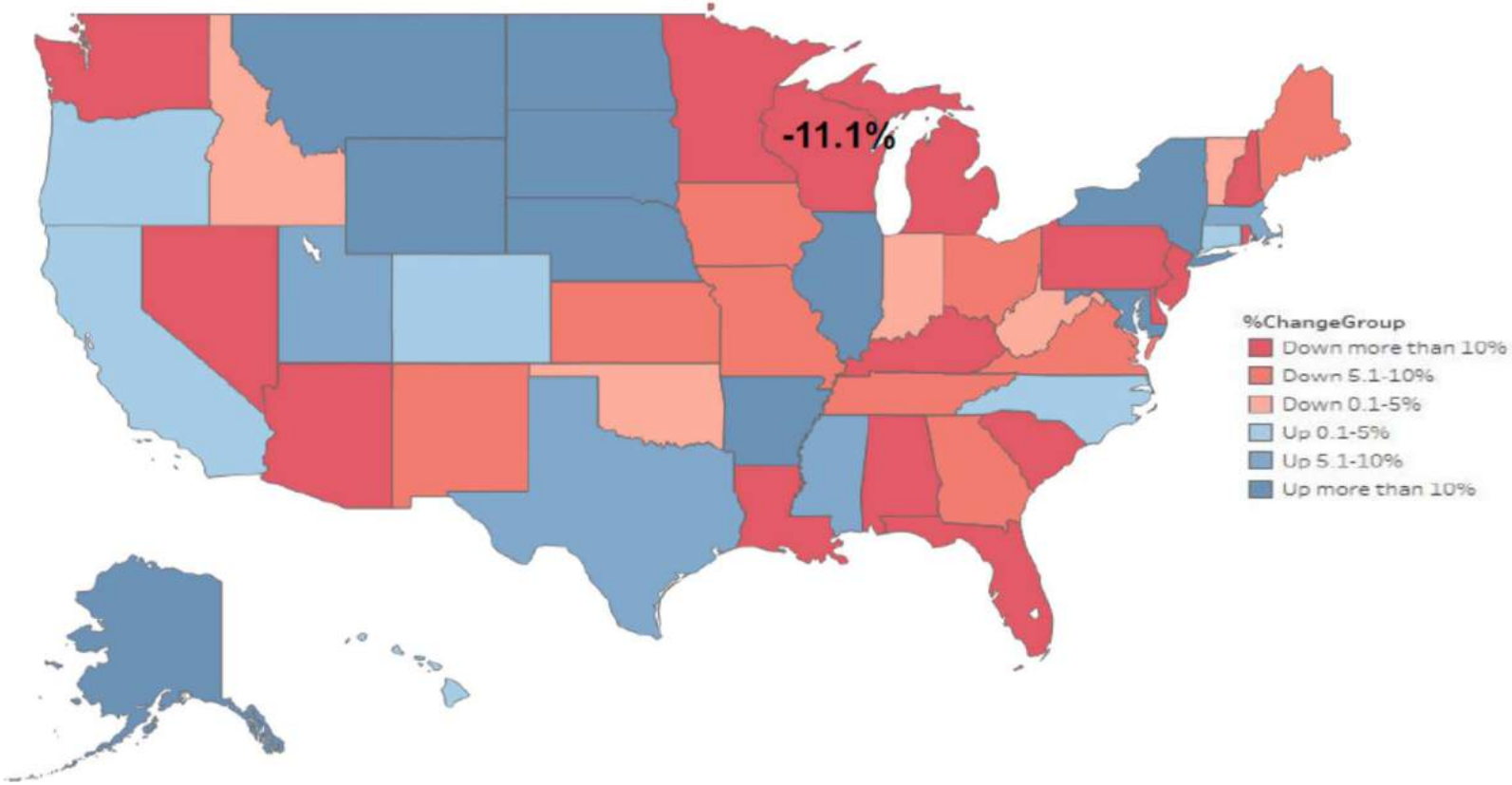
State Support Nationally

Percentage Change in State Higher Education Appropriations
FY2006 – FY2015
Adjusted for Inflation



Source: Grapevine survey, produced by Illinois State University's Center for the Study of Education Policy in cooperation with the State Higher Education Executive Officers

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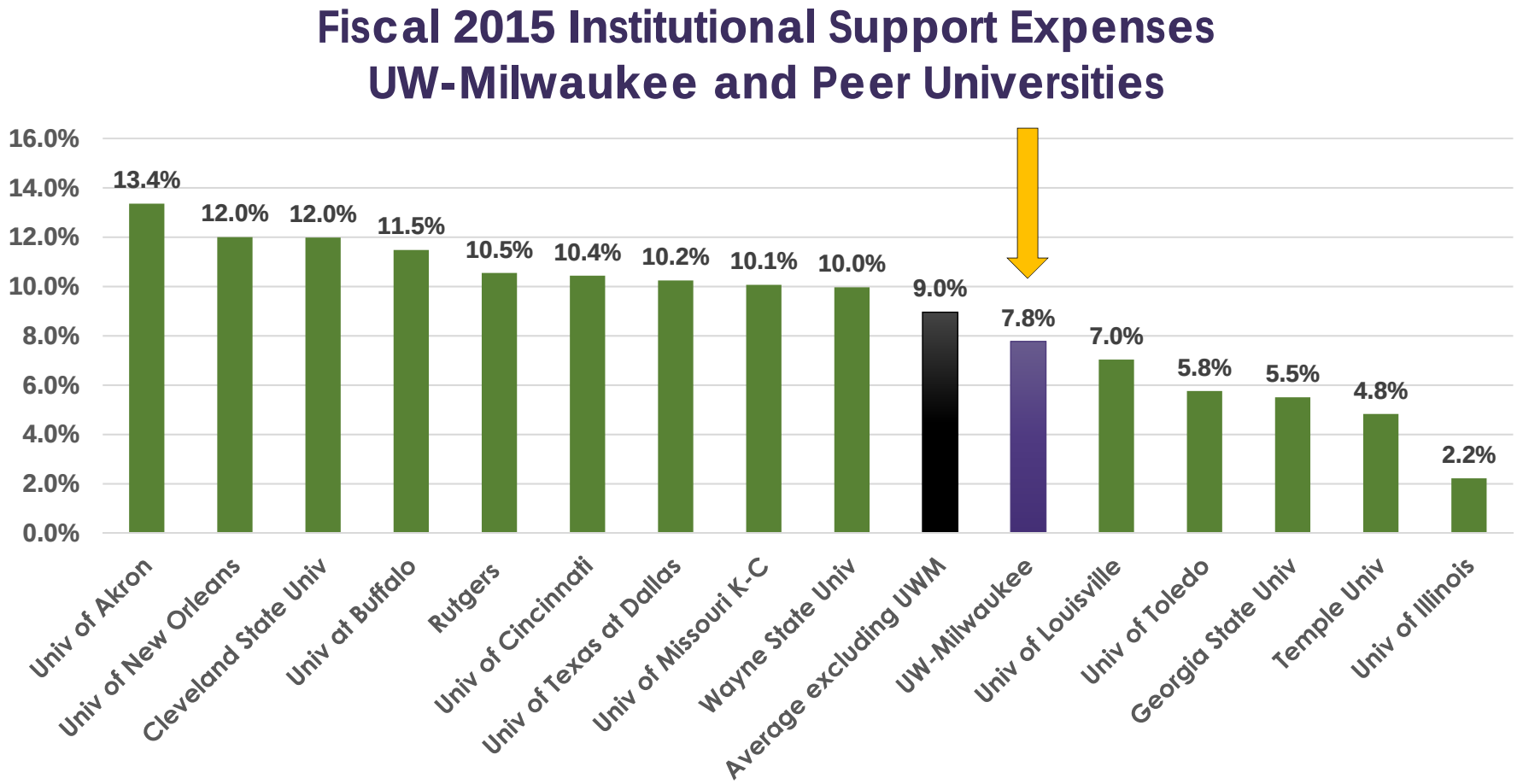
UWM is Administratively Lean



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UWM Reinvestment Strategies

- Strategic opportunities & investments
- Expanding partnerships and innovation
- Making case to legislators
- Aligning with UWS *FWD*2020 strategic initiatives

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Innovation & Partnerships

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Public-Private Partnerships

GE Healthcare

KOHLER

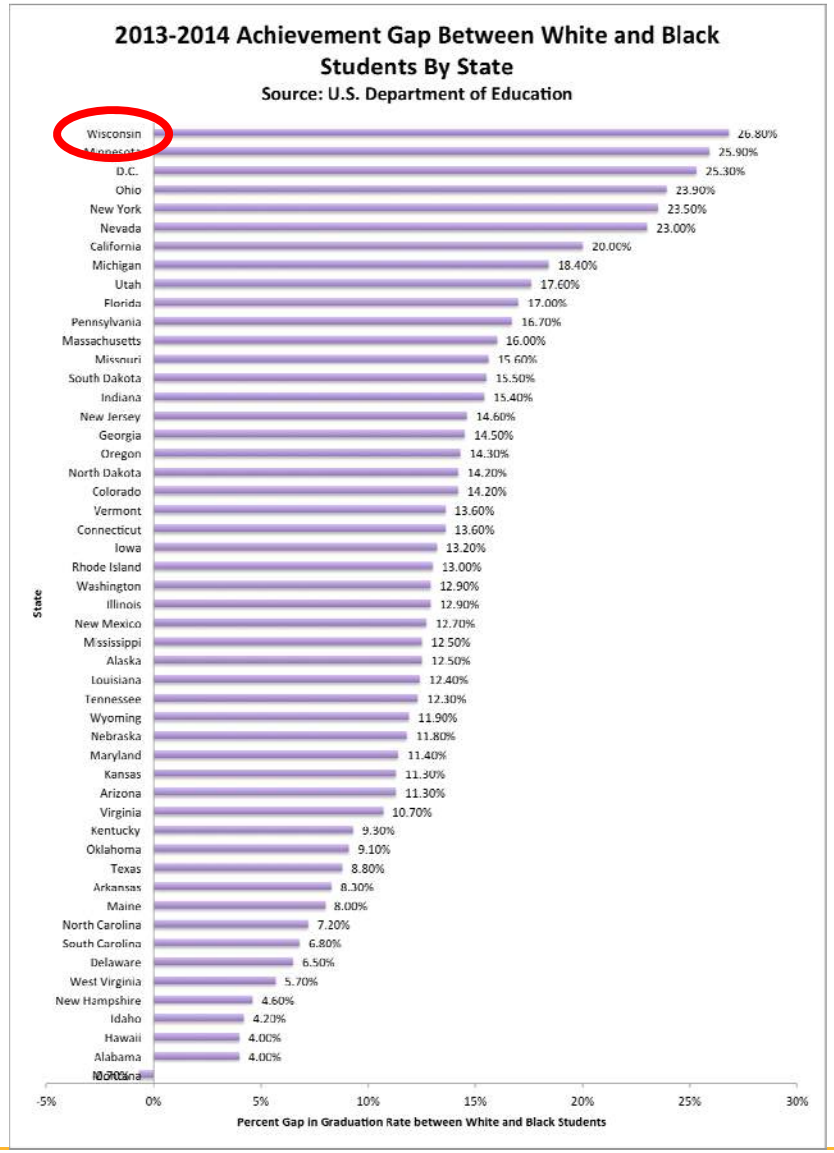
Rockwell
Automation

fiserv.

The Need for Reinvestment

- **We are not competitive on compensation – difficult to recruit, retain key faculty and staff**
  - UWM faculty are paid an average of 10.2% less than peers
  - Faculty at UWM reduced by 11% (91 FTE) due to 2015-17 budget cuts
  - Meanwhile, other institutions are hiring

The Need for Reinvestment



- **We need to close the achievement gap**
  - M^3 initiative with MPS and MATC
  - Dual access & research mission
  - Educating families about the value of post-secondary learning

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The Need for Reinvestment

WISCONSIN'S WORKFORCE NEEDS: JOBS IN DEMAND

Health
- Nurses/Nurse Practitioners
- Physical Therapists
- Audiologists
- Health Services Managers
- Medical Scientists
- Social Workers
- Clinical, counseling and school psychologists

Business
- Accountants
- Actuaries
- Business Analytics
- Financial Examiners
- Human Resources Specialists and Managers
- Marketing Researchers and Analysts
- Supply Chain Managers

Computer Science
- Software Developers/ Applications
- Computer Systems Analysts
- Systems Software
- IT Project Managers

Engineering, Science and Related Fields
- Biomedical, Electrical and Other Engineers
- Biochemists and Biophysicists
- Architects

WHAT UWM DELIVERS EACH YEAR TO MEET THE NEEDS*

800 UWM graduates in the fields of:
- Nursing
- Biology and Biomedical Sciences
- Kinesiology
- Health Care Administration
- Psychology
- Nursing Educators

1,000 UWM business graduates in the fields of:
- Accounting
- Finance
- Information Systems
- Human Resources
- Marketing
- Supply Chain

175 UWM graduates in the fields of:
- Information Science
- Information Technology
- Computer Science
- Computer Engineering

290 UWM graduates in the field of:
- Engineering

50 UWM graduates in the fields of:
- Biochemistry
- Biophysics

100 UWM graduates in the field of:
- Architecture/Urban Planning

* Data reflects the 2015-16 school year and includes 50% of graduates; the remaining 50% includes entrepreneurs, journalists, teachers, artists, and others who address regional job needs.

For more information visit uwm.edu/budget

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Advocating for Reinvestment

- Meetings with legislators
- Alumni engagement & national tour
- Engaging stakeholders with advocacy efforts
- Budget information website uwm.edu/budget

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We Need Your Help

- Contact your elected officials
- Write a letter to the editor
- Share facts and information on social media

- Share your personal and professional stories

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MADE IN MILWAUKEE. SHAPING THE WORLD.