



Research Update

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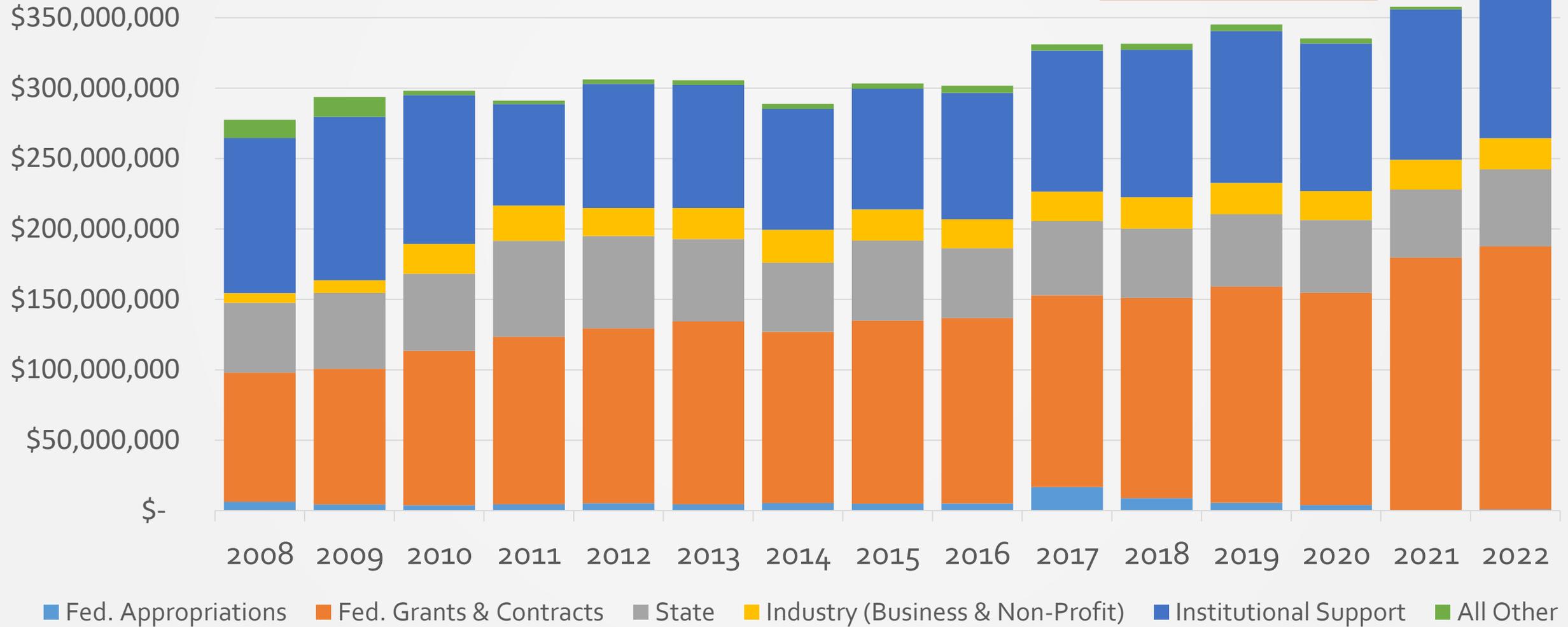
Michael P. Wolcott

Regents Professor & Interim Vice President for Research

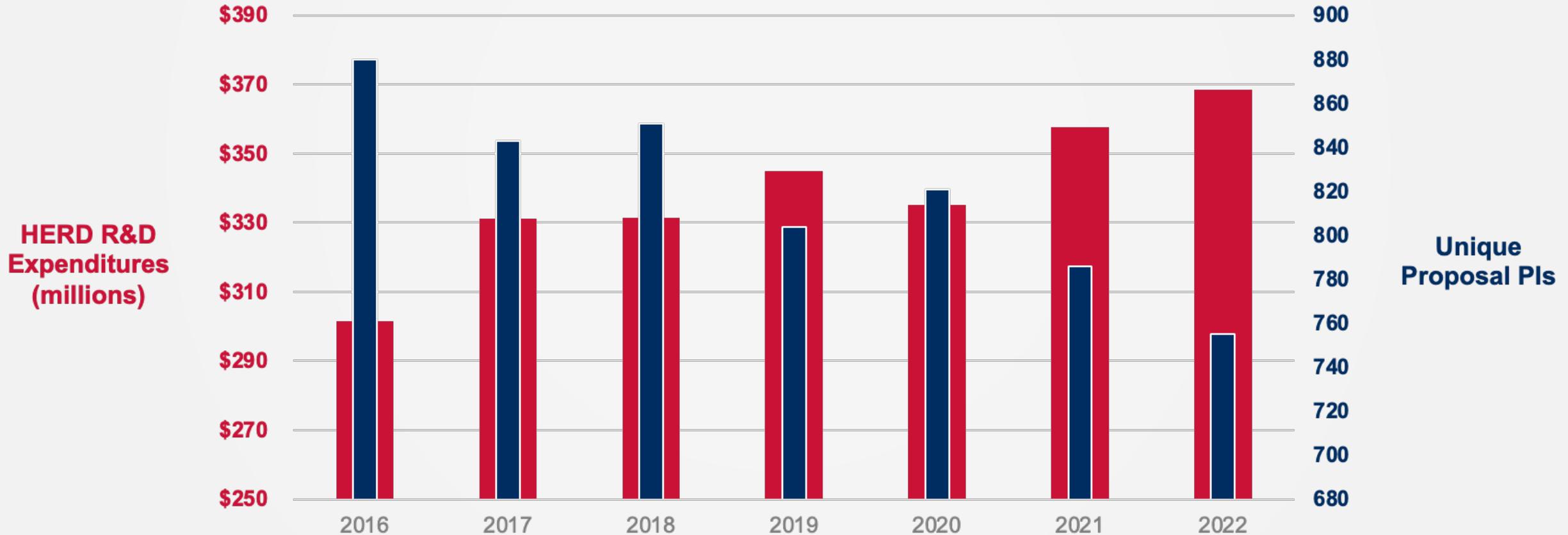
WSU DATA

NSF HERD R&D Expenditures

2008=\$277.4M
2022=\$368.4M



Increasing Research Expenditures from Fewer Research Active Faculty



Questions Posed by the BOR in March Meeting

- 1. What happened to the “other” category in our NSF HERD R&D expenditures?**
- 2. Breakout the research expenditures and where they come from.**
- 3. What are the factors that influence the changes in unique PIs?**

Q1: What happened to the “other” category in our NSF HERD R&D expenditures?

A1: The expenditures previously categorized as “other” have been integrated into the primary categories through continual analytical improvements.

Methodological Changes in FY23

- 1. Increased accuracy:** move closer to the data; move away from assumptions.
- 2. Increased transparency:** all decisions are documented and defensible.
- 3. Increased collaboration:** IR, ORSO, Mod Team Finance, SPS, PO, NSF-HERD

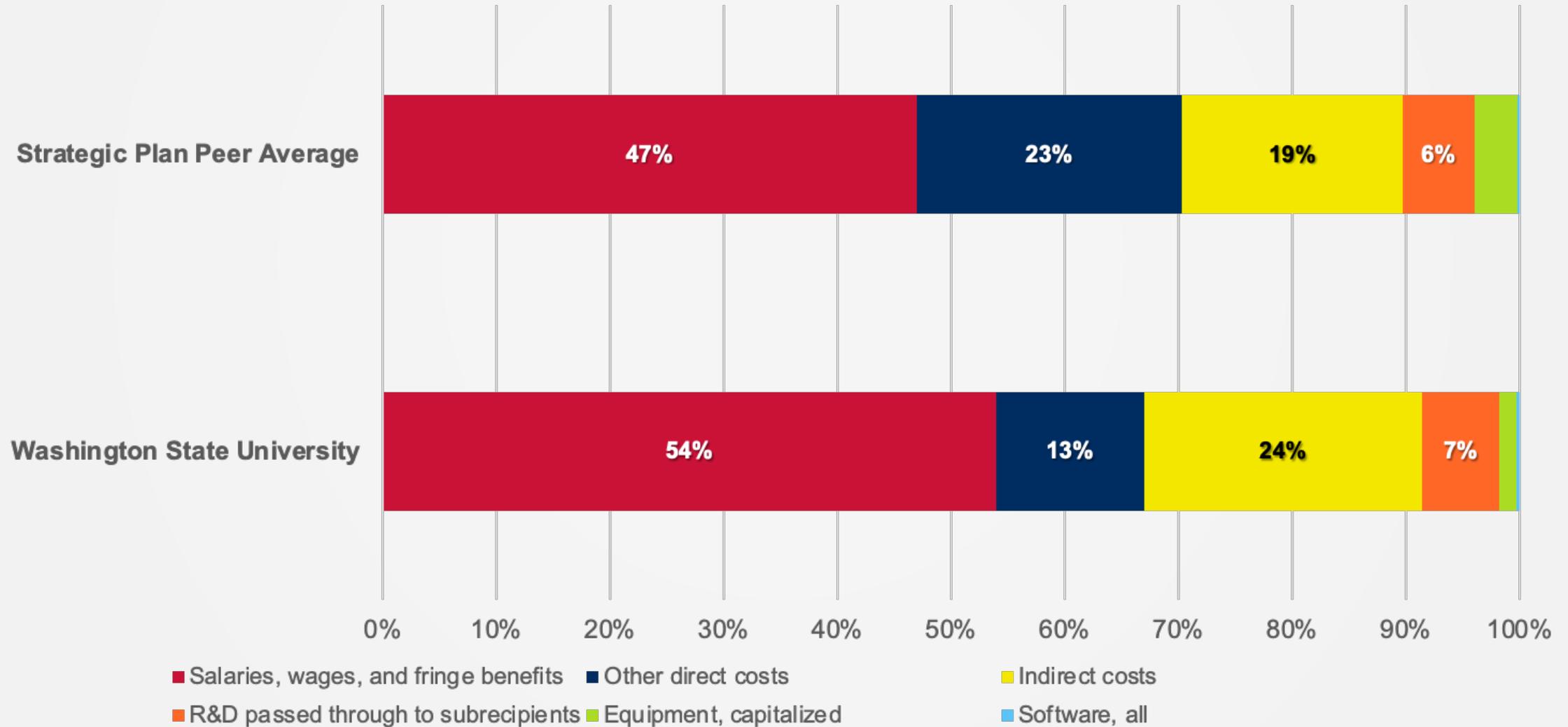
Research Expenditures Accounting is a Key WSU Strategy

- 1. Mission:** research is one of three pillars of the land grant mission.
- 2. Benchmarking/Rankings:** allows direct comparison of institutions, and of WSU's progress over time.
- 3. Institutional health:** growing expenditures signal a thriving research enterprise.
- 4. Recruiting:** top researchers are attracted to investment in expanding knowledge and economic growth.

Q2: Break out the research expenditures and where they come from.

A2: The slides below detail the FY22 HERD expenditures by “cost type” for WSU and our institutional peers.

Proportion of FY22 HERD Expenditures by Cost Type



NSF HERD Proportion of R&D Expenditures by Cost Type, 2022

Institution	Salaries, wages, benefits	Other direct costs	Indirect costs	Passthrough to sub-recipients	Equipment, cap.	Software, all
University of Nebraska-Lincoln	62%	16%	14%	3%	5%	0.20%
University of Georgia	61%	15%	13%	6%	4%	0.30%
University of Tennessee, The, Knoxville ²	60%	16%	14%	3%	7%	0.20%
Washington State University	54%	13%	24%	7%	2%	0.30%
Mississippi State University	53%	18%	17%	10%	3%	0.10%
Oregon State University	52%	16%	21%	8%	3%	0.20%
Louisiana State University, Baton Rouge	51%	27%	14%	4%	3%	0.30%
University of Maryland ¹	48%	18%	21%	10%	3%	0.30%
Virginia Polytechnic Institute and State University	44%	16%	29%	5%	5%	0.10%
North Carolina State University	41%	21%	29%	7%	3%	0.10%
University of Missouri, Columbia	38%	27%	26%	5%	4%	0.20%
Colorado State University, Fort Collins	37%	31%	23%	5%	3%	0.00%
Purdue University, West Lafayette	34%	41%	11%	8%	5%	0.40%
Iowa State University	31%	41%	20%	5%	3%	0.00%

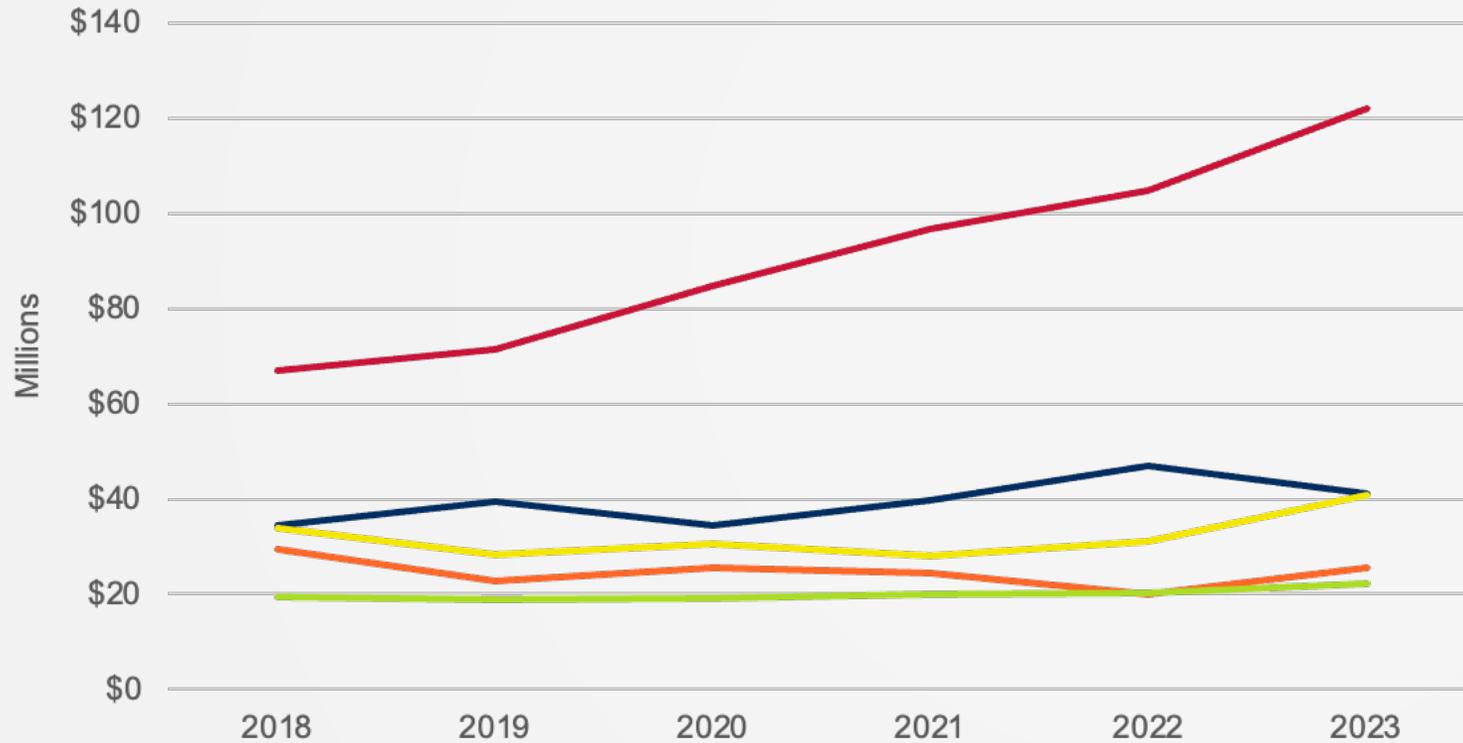
¹ The University of Maryland includes expenditures from the University of Maryland, Baltimore and University of Maryland, College Park campuses. In FY 2019, the two campuses began reporting as one research unit to reflect their new strategic partnership.

² The University of Tennessee, Knoxville includes expenditures from the University of Tennessee Institute of Agriculture. Prior to FY20, the University of Tennessee, Knoxville, Institute of Agriculture reported to the survey separately.

Q3: What are the factors that influence the changes in “unique PIs”?

A3: We cannot yet assess changes in demographics for our T/TT faculty, but this work is ongoing and will be available later. But we have detailed award and unique PI data for our various colleges.

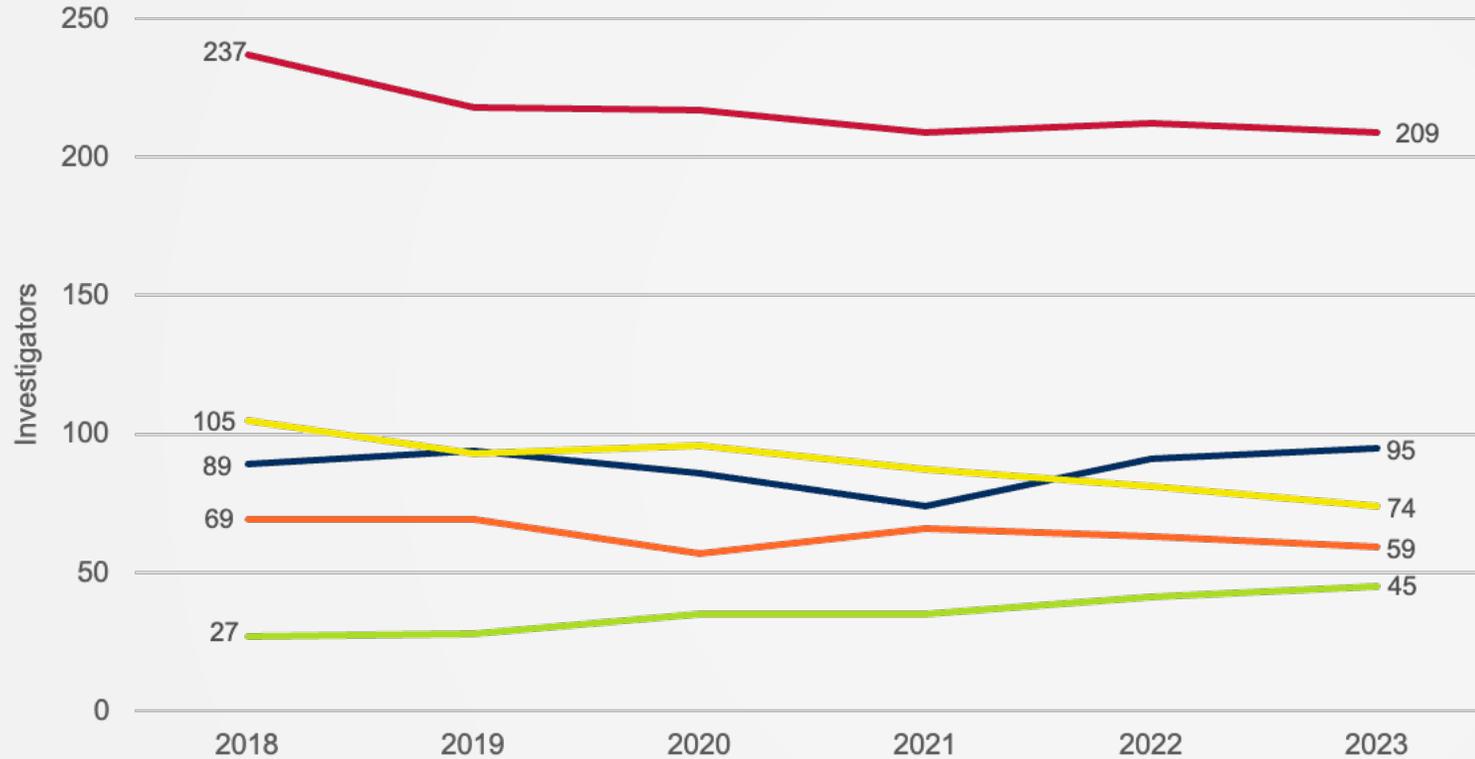
Total Awarded Research Funds by College (top 5)



— College of Agricultural, Human, and Natural Resource Sciences
 — College of Veterinary Medicine
— Voiland College of Engineering and Architecture
 — College of Arts and Sciences
— Elson S. Floyd College of Medicine

College	2018–2023
CAHNRS	+83%
CAS	-13%
VCEA	+20%
CVM	+19%
ESFCOM	+15%

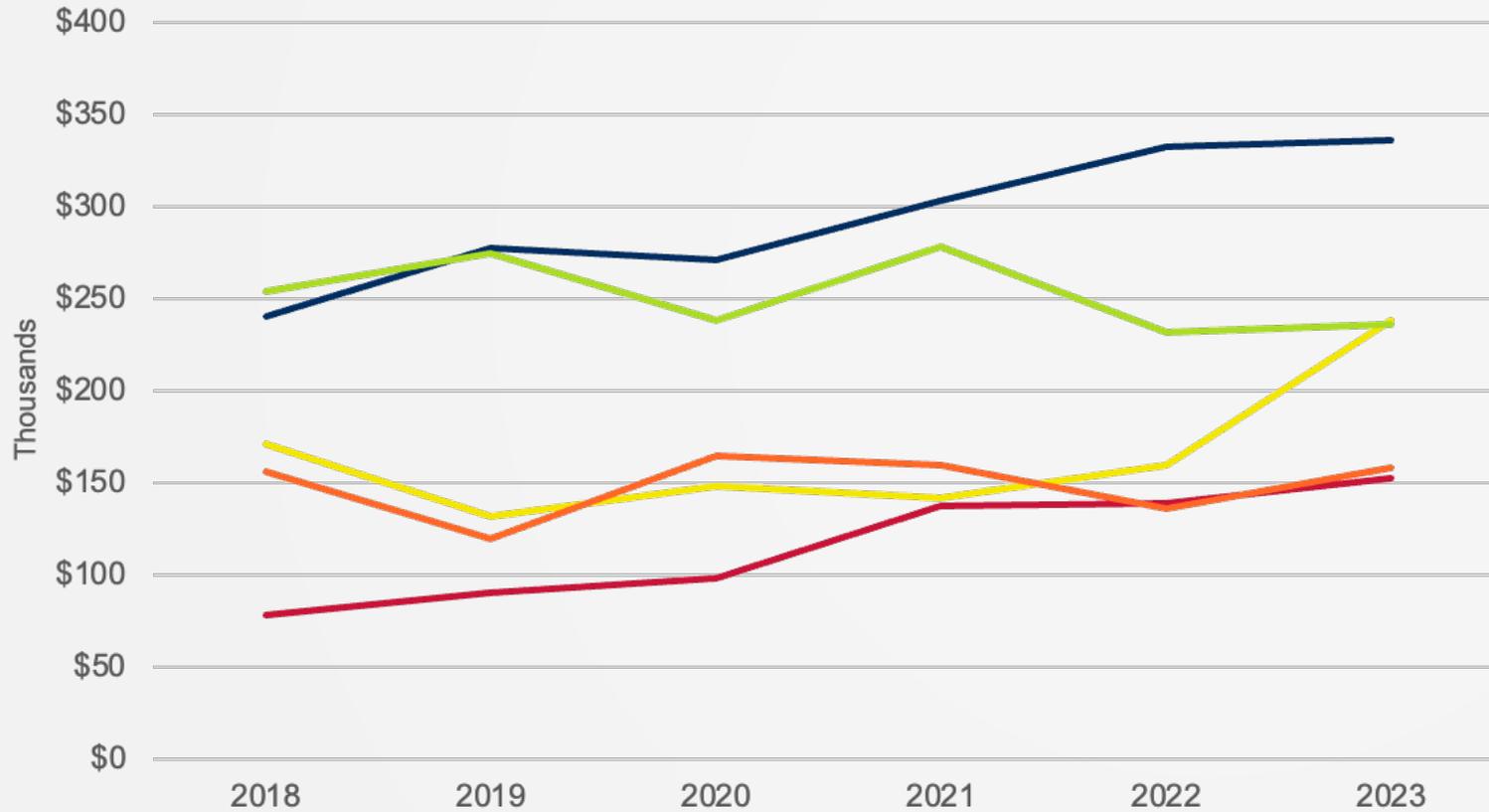
Unique awarded PIs (top 5 colleges)



College	2018–2023
CAHNRS	-12%
CAS	+7%
VCEA	-30%
CVM	-14%
ESFCOM	+67%

- College of Agricultural, Human, and Natural Resource Sciences
- College of Arts and Sciences
- Voiland College of Engineering and Architecture
- College of Veterinary Medicine
- Elson S. Floyd College of Medicine

Average Award Size by College (top 5)



College	2018–2023
CAHNRS	+95%
CAS	+1%
VCEA	+40%
CVM	+40%
ESFCOM	-7%

— College of Agricultural, Human, and Natural Resource Sciences
 — College of Veterinary Medicine
— Voiland College of Engineering and Architecture
 — College of Arts and Sciences
— Elson S. Floyd College of Medicine

Thank you!
Questions?



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