



# **2021 Research and Innovation Dashboard**

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# Elevating the System's Research Profile



Supporting the System Goal of  
\$3 Billion in Research by 2025

R&D Dashboard

Academic & Research  
Excellence Committee

Annual R&D  
Workshop in DC

Financial Support  
from the Legislature



Regular Meetings of Vice Presidents for  
Research

# Research Dashboard: Overview



# Research Grants & Contracts Overview

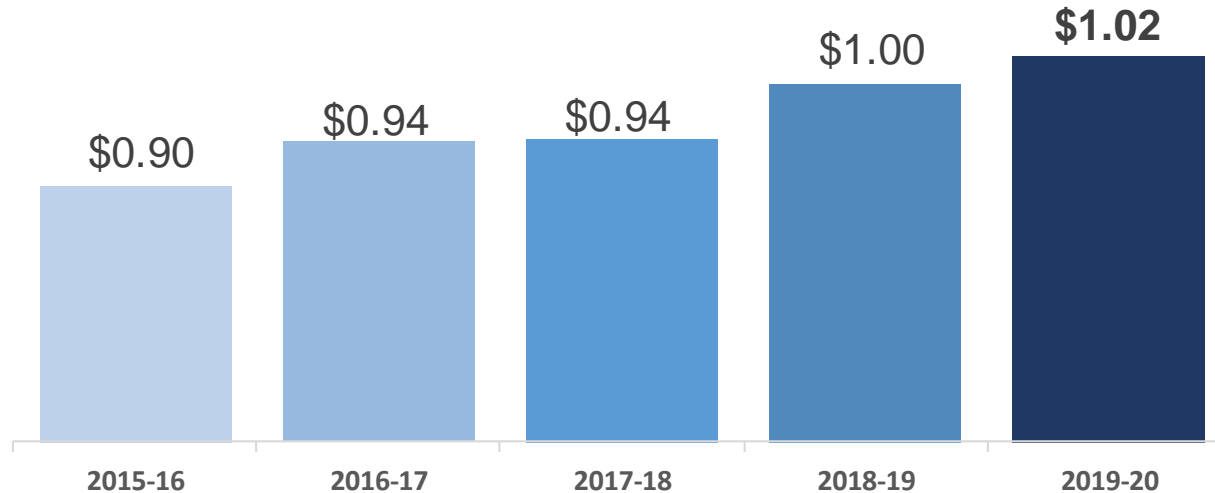


	METRICS	2020	2021
1	Total R&D Expenditures	\$2.27 B	\$2.28 B
2	Federal R&D Expenditures	\$996 M	\$1.02 B
3	Science & Engineering R&D Expenditures	\$1.95 B	\$1.95 B
4	Non-Medical R&D Expenditures	\$1.43 B	\$1.47 B
5	Number of Grants/Contracts Between Two or More SUS Institutions	123	191

# Research Grants & Contracts Federal Expenditures



## SUS Federal Research Expenditures in billions **14% increase**



Source: National Center for Science and Engineering Statistics, National Science Foundation, Higher Education Research and Development Survey.

# Research Collaborations



Total number of grants  
between 2 or more  
SUS institutions 2019-20

**191**





METRICS		2020	2021
6	Patents Awarded (over 3-year period)	1,057	1,134
7	Number of Industry-related Grants and Contracts	3,671	3,902
8	Industry-Related R&D Expenditures	\$165.0 M	\$169.2 M
9	Number of Startups	27	37
10	Number of National Academy of Inventors Fellows	72	82
11	Number of I-Corps teams	181	82
12	Number of Licenses and Options Executed	437	413



METRICS		2020	2021
13	Number of Undergraduate Students Engaged in Research	N/A	29.7%
14	Doctoral Degrees Awarded	4,385	4,307
15	Number of Postdoctoral Appointees	1,652	1,653*
16	National Academy Members (NAS, NAE, NAM)	64	67

\*Self-reported for the preeminent institutions only. Complete NSF data for postdoctoral appointees was not yet available at the time of this compilation.



# Return on Investment



METRICS		2020	2021
17	Total Number of Jobs Supported from External Funding	19,480	19,860
18	Economic Impact of State Funding	\$661.0 M	\$710.1 M
19	Economic Impact of Federal Funding	\$2.99 B	\$3.06 B

# Key Takeaways



The system continues to increase research expenditures; federal expenditures **grew by 14%**



SUS institutions collaborated across the system on **191 federal awards**



Return on investment in research continues to increase, **producing gains** in the amount of **economic impact & number of jobs**



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