

Overview: Allocation of NCI Appropriated Dollars for Research

Douglas R. Lowy, M.D.
Principal Deputy Director

National Cancer Advisory Board

September 1, 2021

@theNCI
@NCIDrDougLowy

Thanks to...

- **Weston Ricks, Michelle Canady, and Paul Lyons:**
Office of Budget & Finance
- **Carolyn Keeseman and Kristin Komschlies:**
Office of Scientific Operations
- **Michelle Bennett, Christine Burgess, and Diane Palmieri:** Center for Research Strategy
- **Kelli Marciel:** Office of Communications & Public Liaison

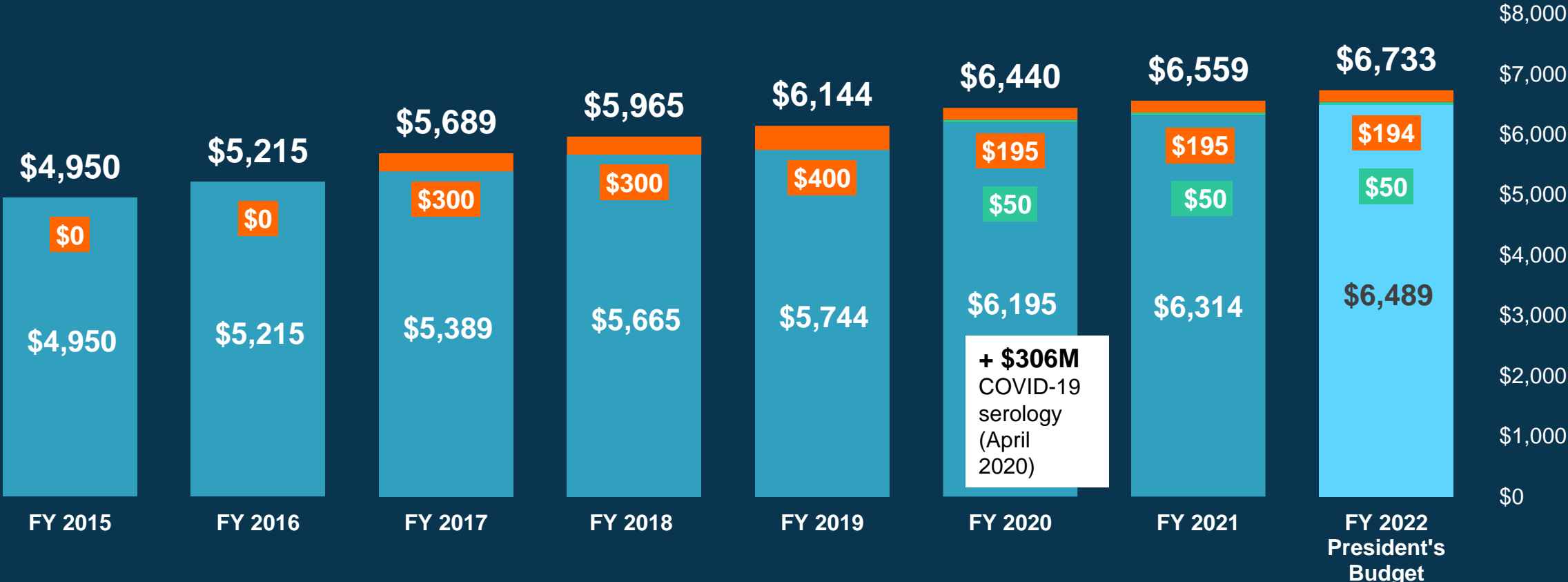
Topics

- Distribution of appropriated NCI budget
- Overall trends FY14 - FY20
- Focus on FY20
 - FY20 is the latest fiscal year for which we have full information
- Estimated NCI budget increase needed for RPG payline to get to “15 by 25”

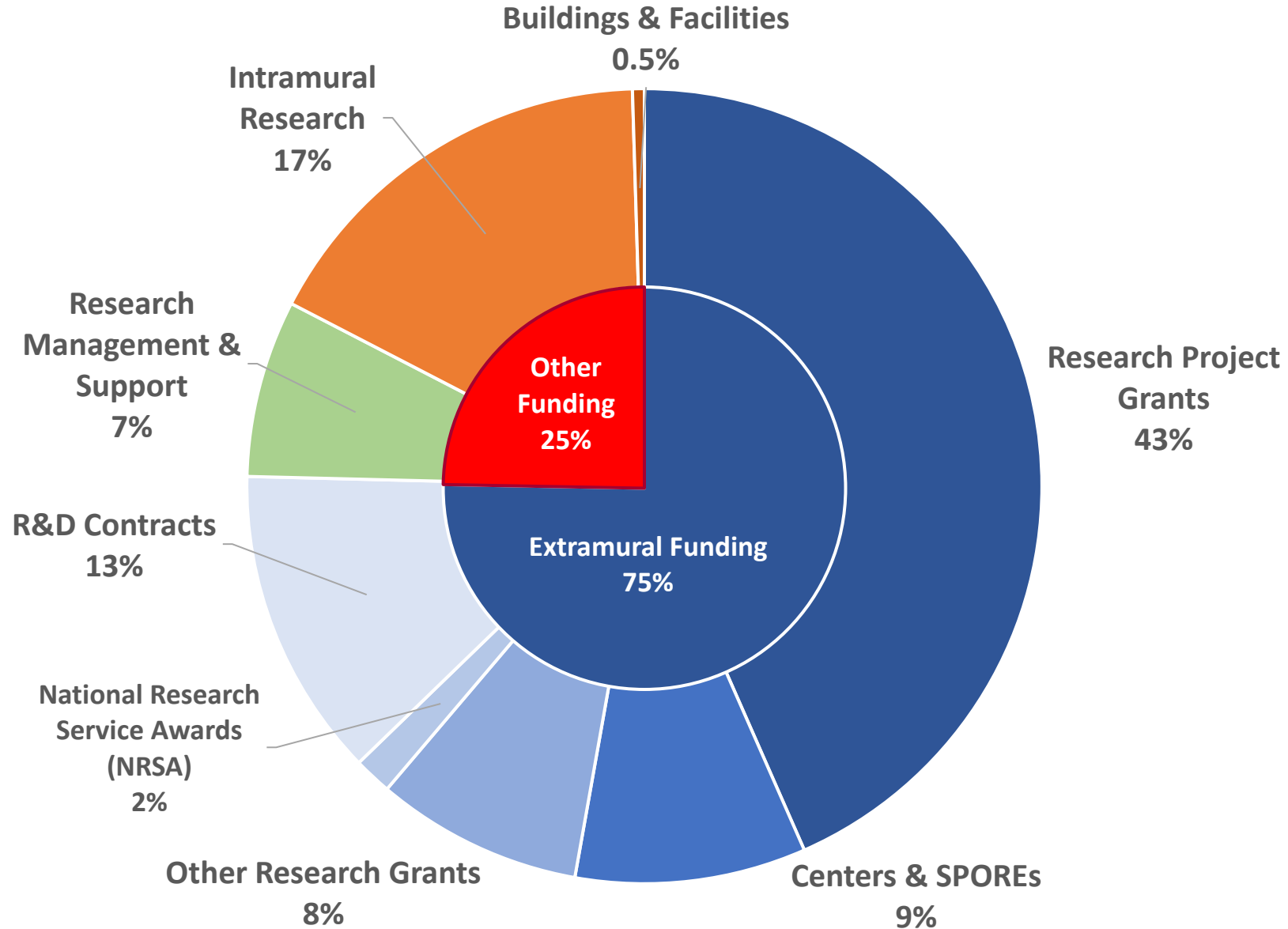
NCI Appropriations

FY 2015 – 2022 (in millions)

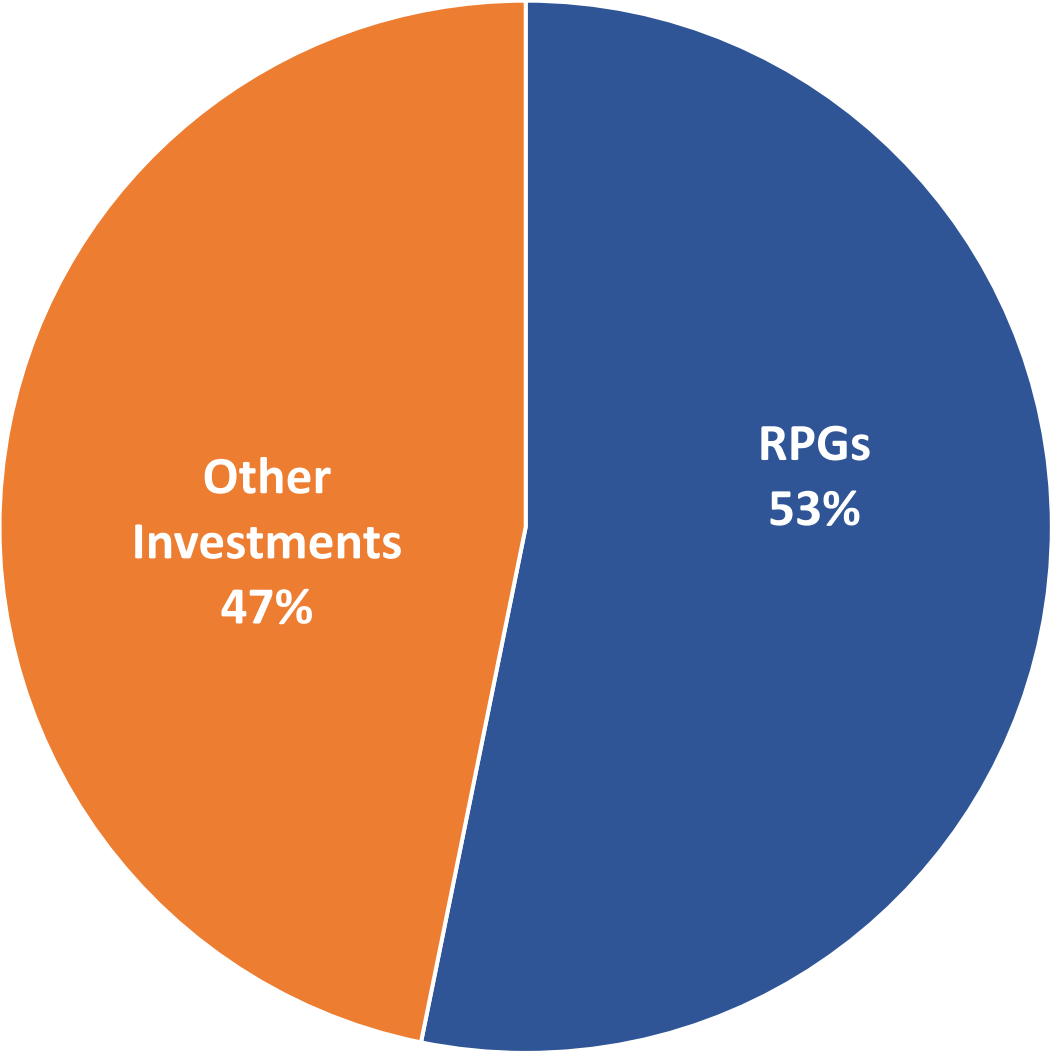
21st Century Cures Act - orange
 Childhood Cancer Initiative - green



How does NCI spend its money?

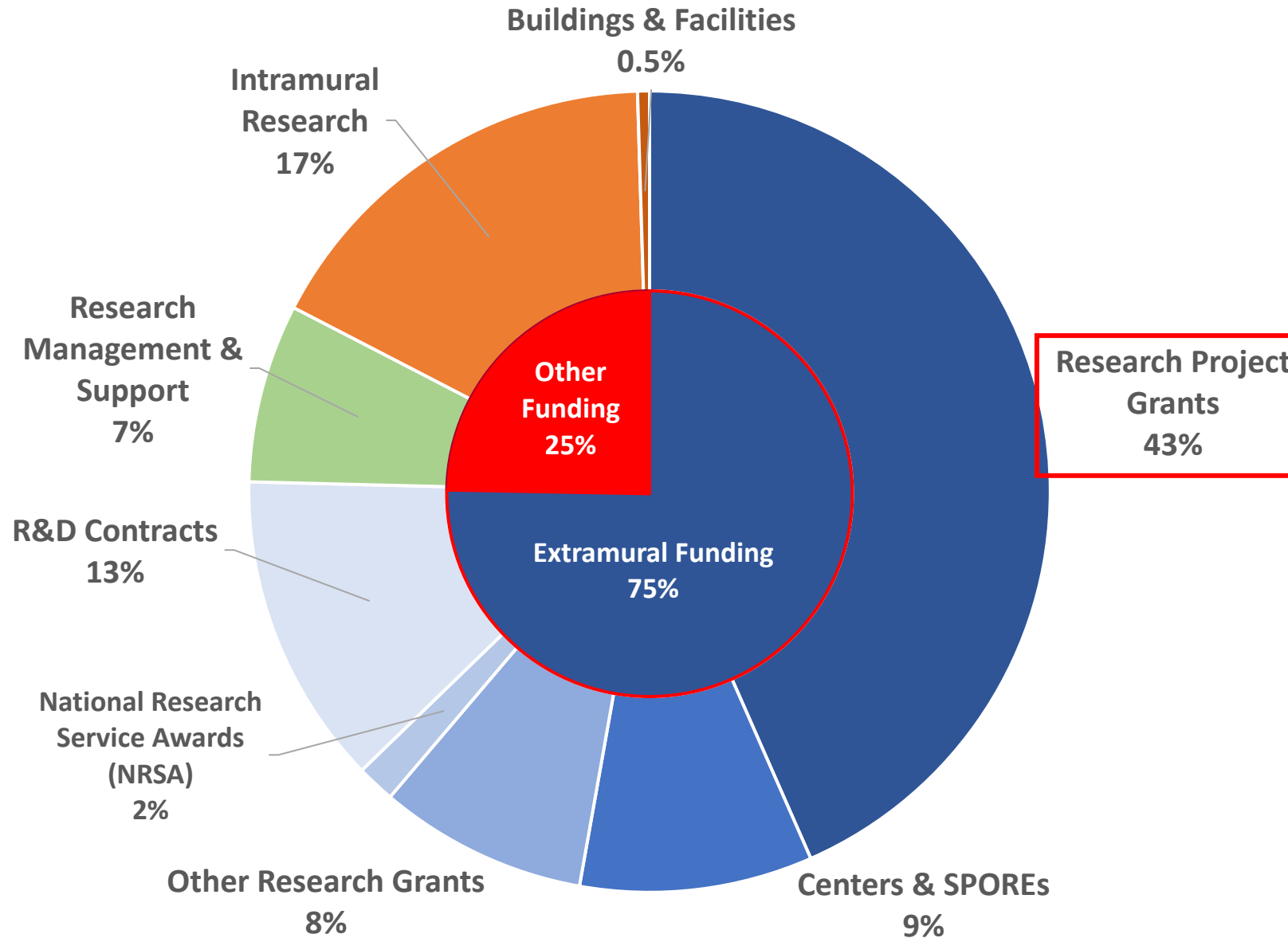


How has NCI spent the increases since 2014 ~\$1,313M?

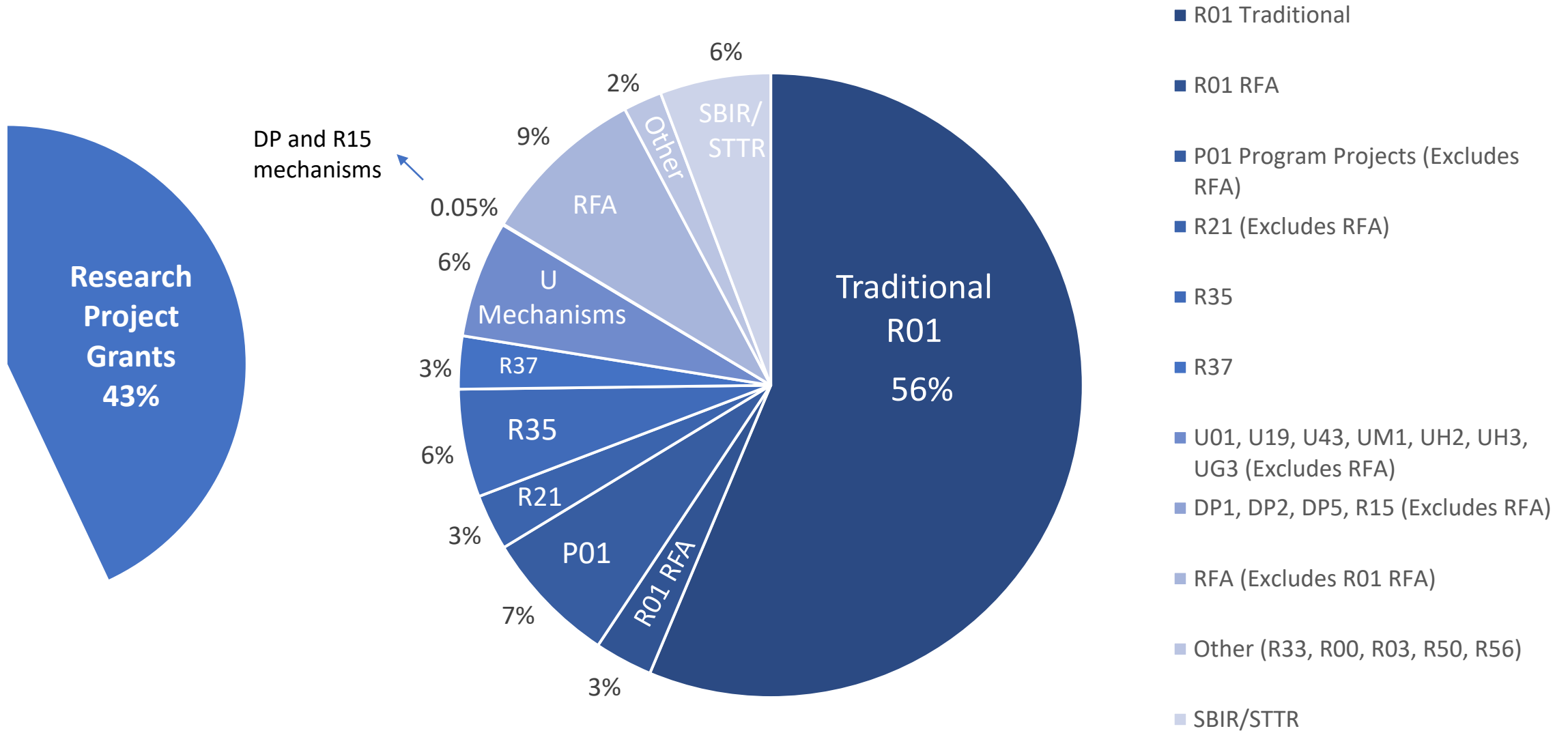


The RPG portion of NCI's total budget increased from ~41% to ~43% between 2014 and 2020

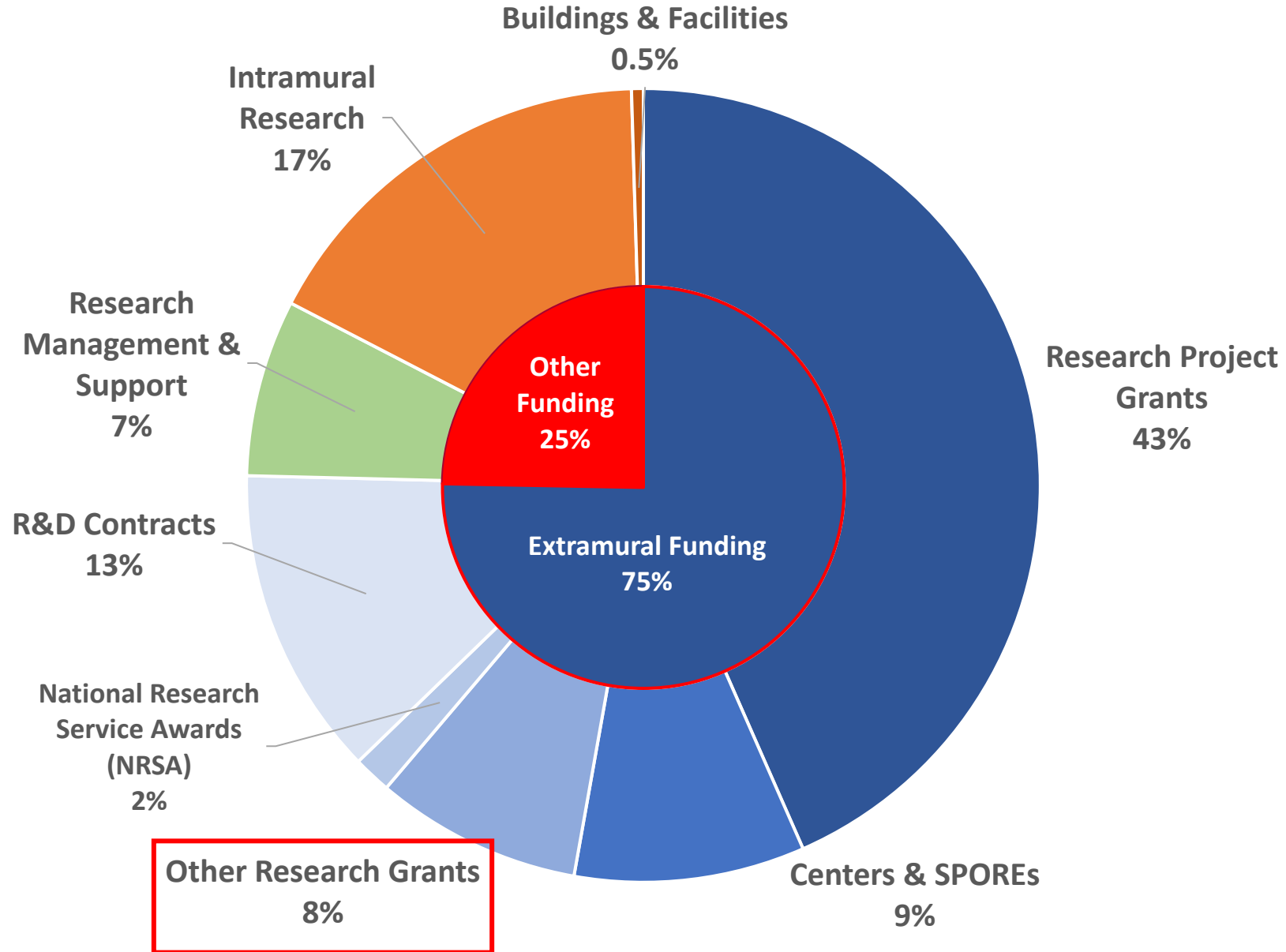
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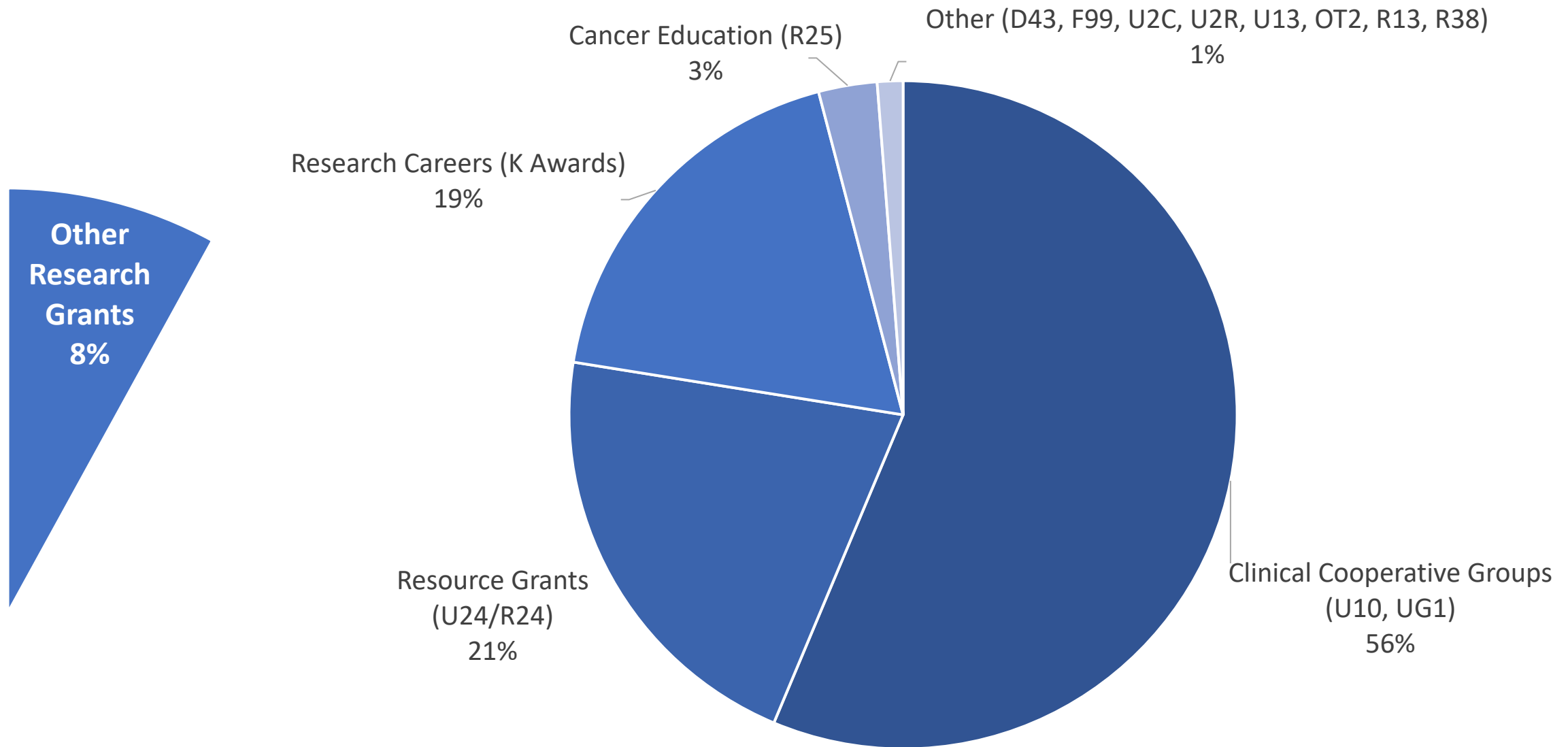
FY 2020 Research Project Grants



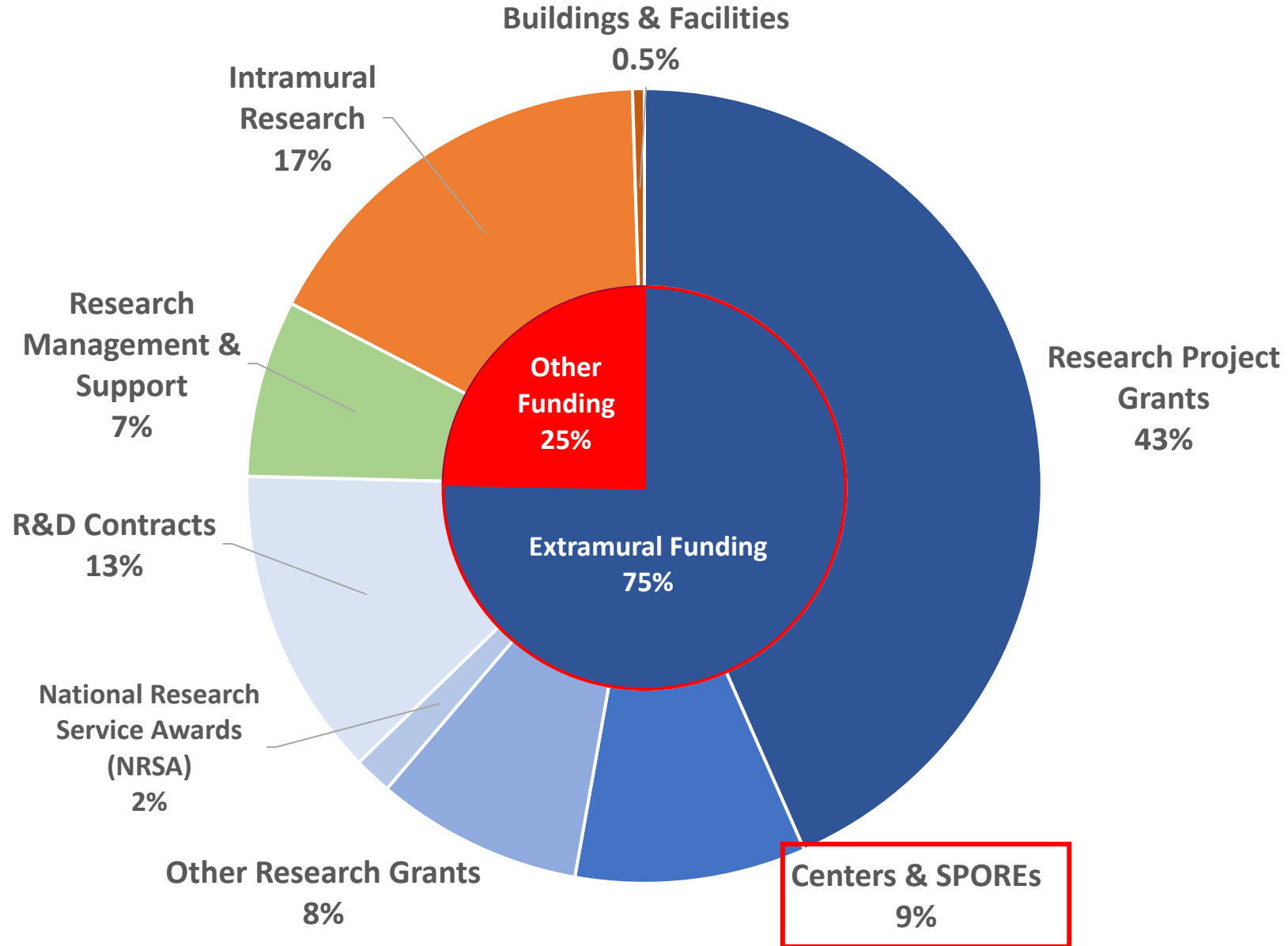
How does NCI spend its money?



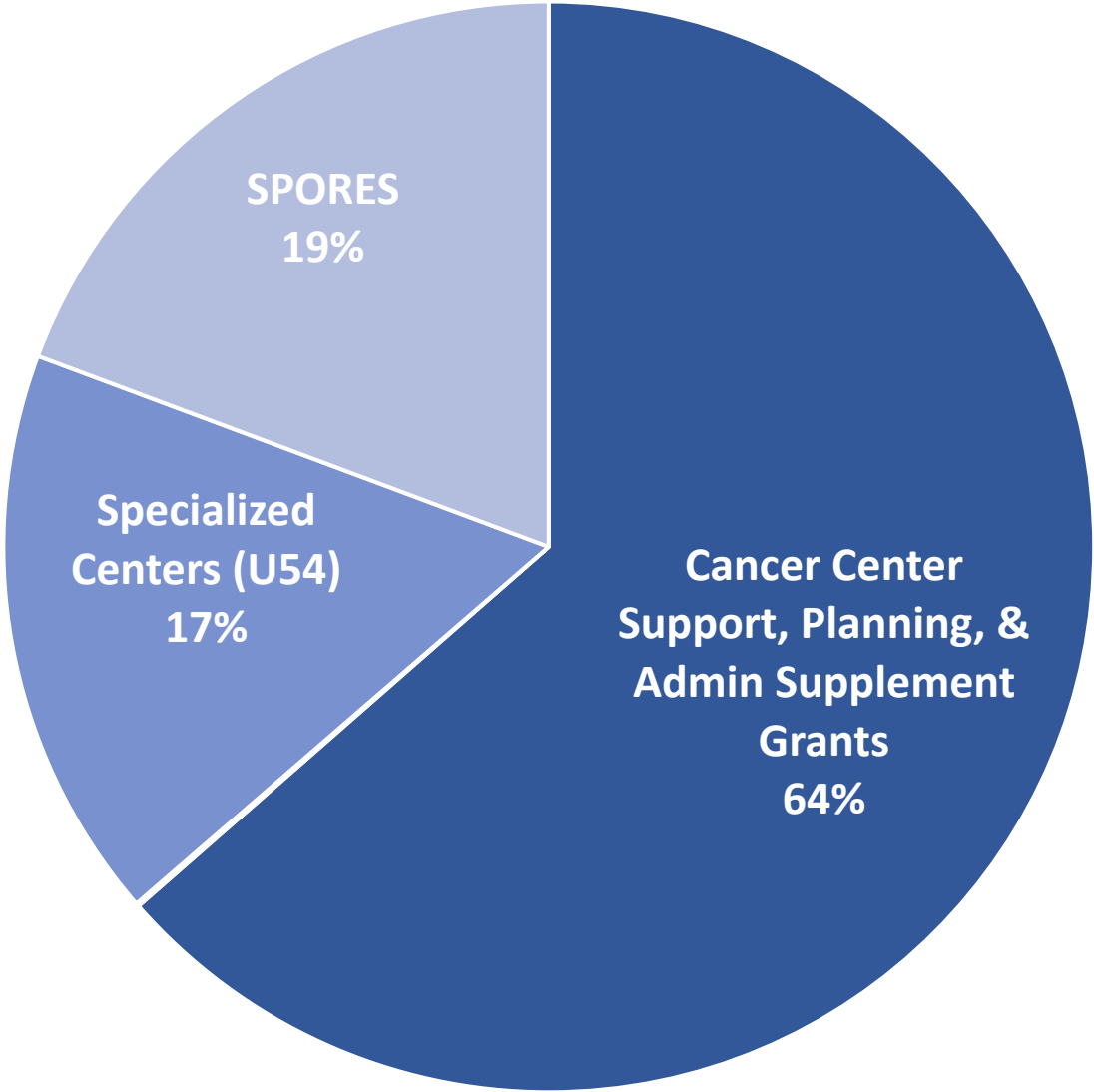
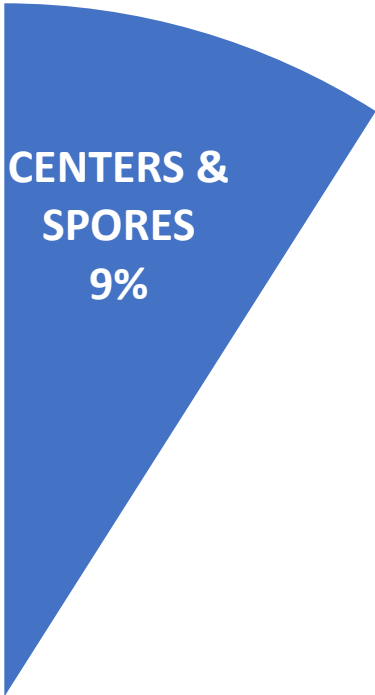
What are Other Research Grants?



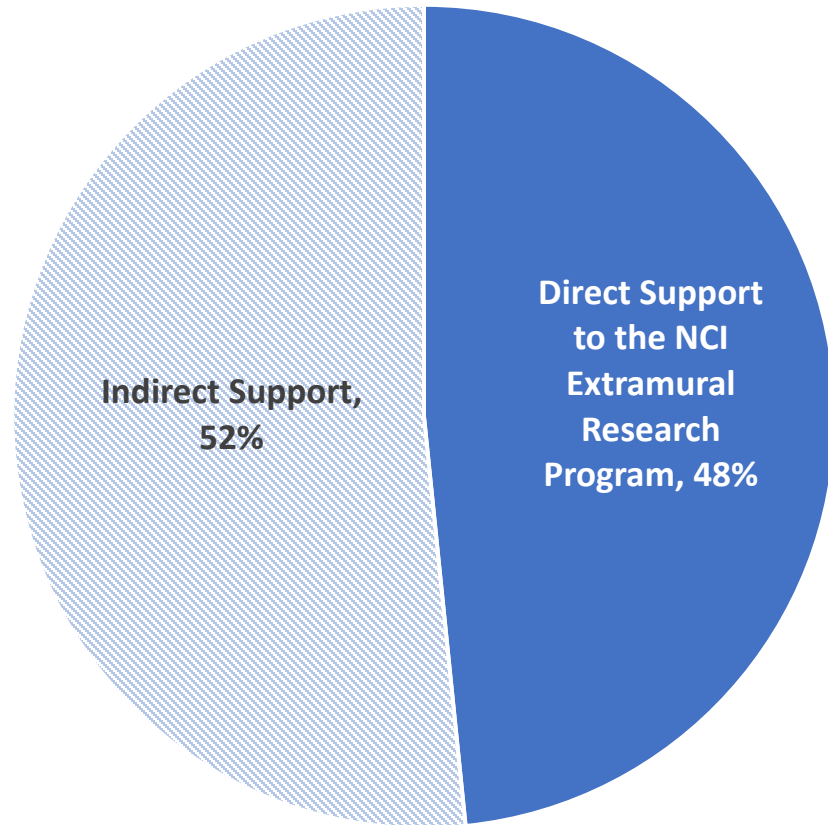
How does NCI spend its money?



Centers & SPORES



Examples of Frederick National Lab for Cancer Research Activities



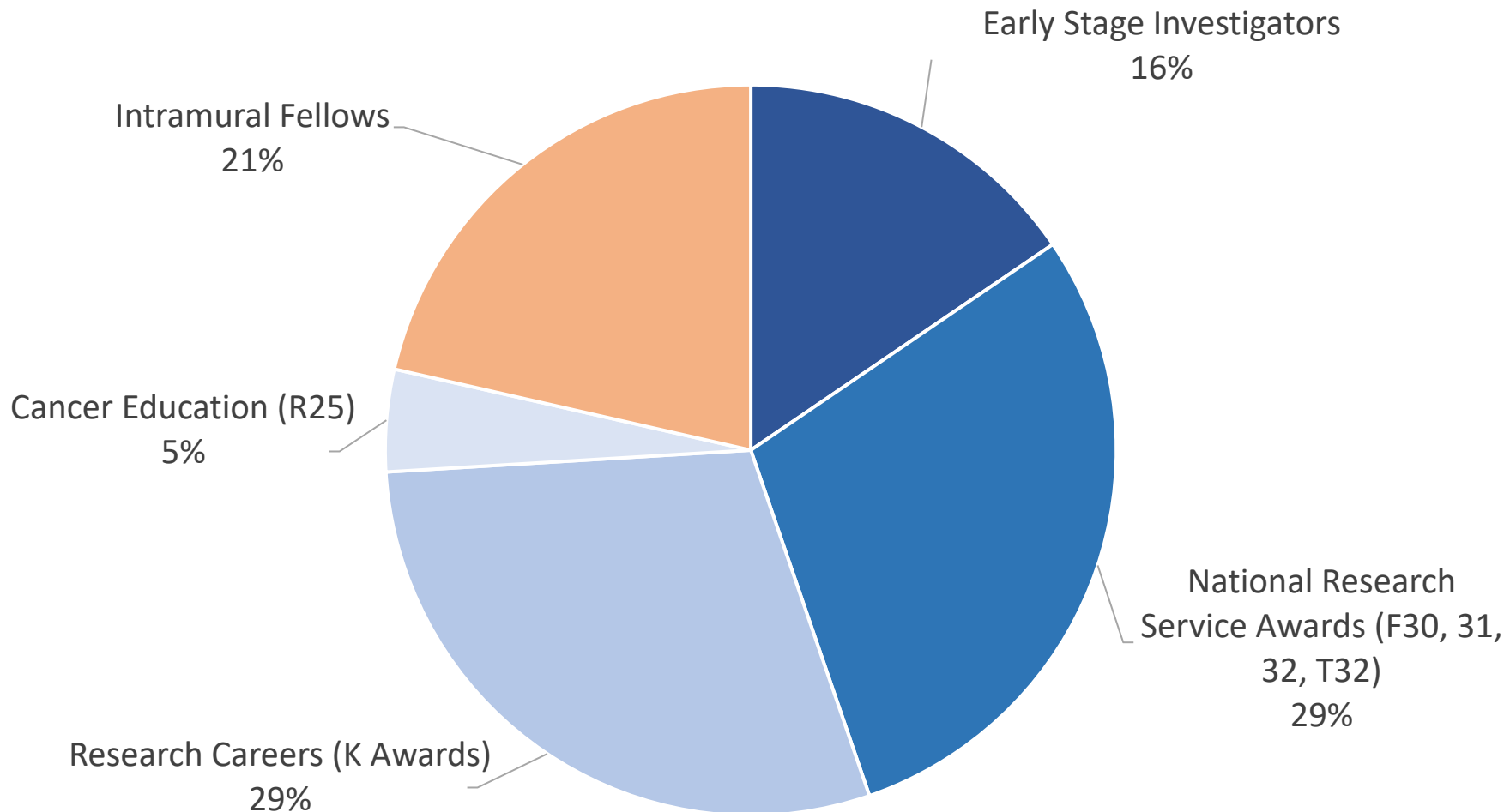
Examples of Direct Support Include:

- NCI Experimental Therapeutics (NExT)
- NCI Patient-Derived Models Repository
- Genomic Data Commons
- SeroNet Coordinating Center
- SeroNet Capacity Building Centers

Examples of Indirect Support Include:

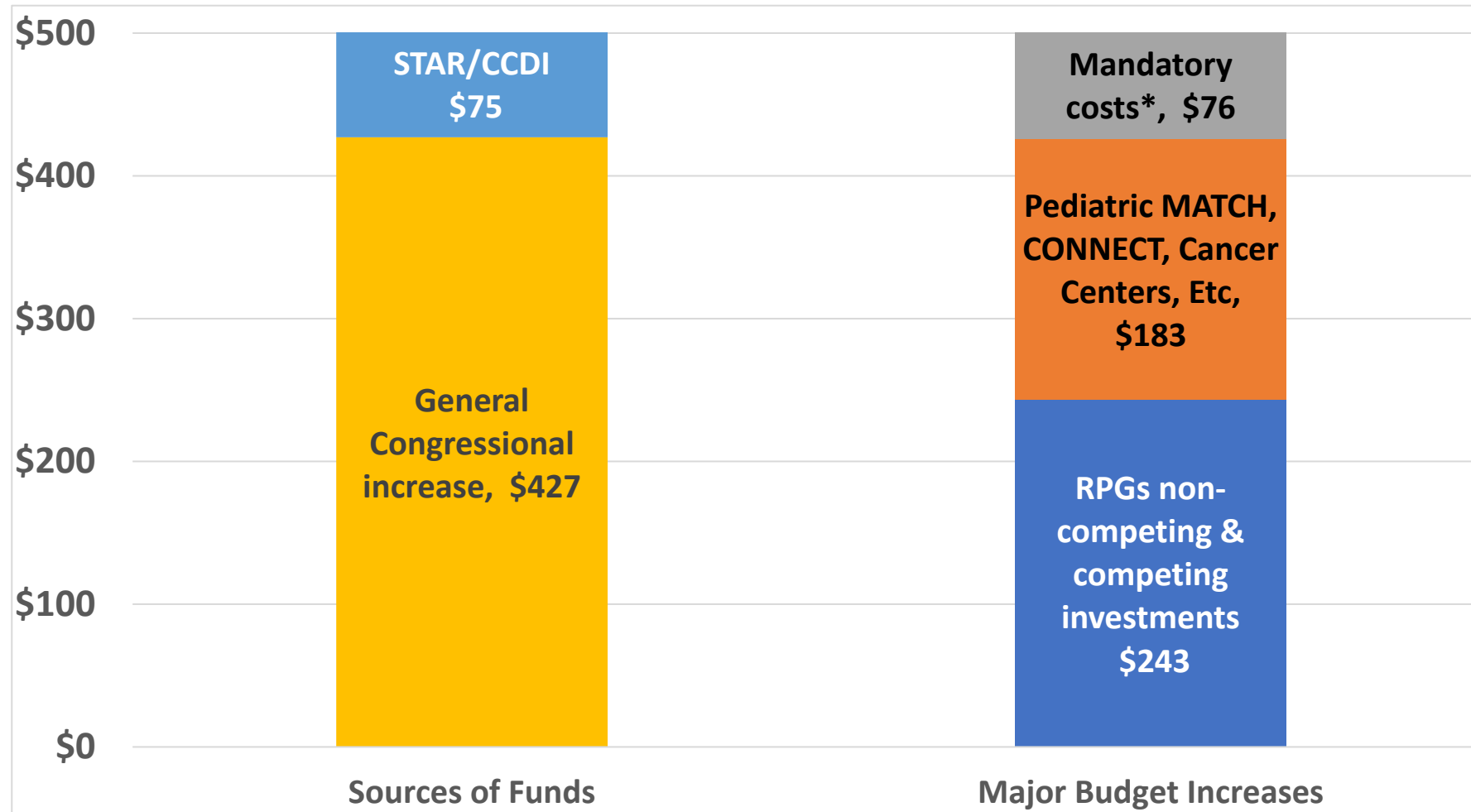
- RAS Initiative
- Nanotechnology Characterization Lab
- Antibody Characterization Lab
- AIDS and Cancer Virology Program
- Laboratory Directed Exploratory Research
- Cryo-Electron Microscopy
- Laboratory Animal Science Program

NCI spends ~ \$280M to train and develop a strong workforce of cancer researchers*



*** Excludes funding in the RPG Pool that supports graduate students, post-graduate fellows, and early stage investigators working within funded grant teams**

How did NCI manage increased costs in FY 2020? (dollars in millions)



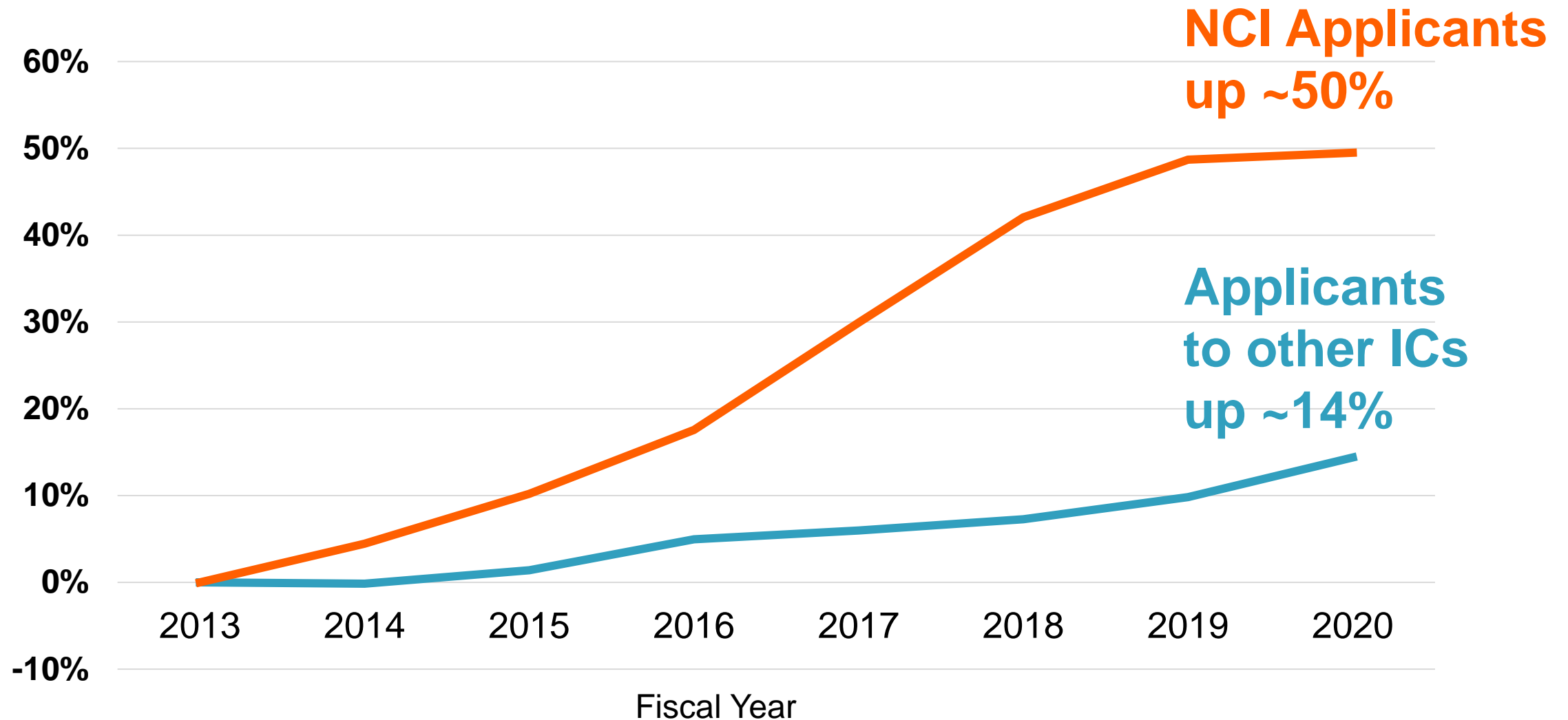
**Mandatory costs include HHS/NIH assessments, Secretary's & AIDS transfers, required pay and NRSA stipend increases, and additional SBIR requirements*



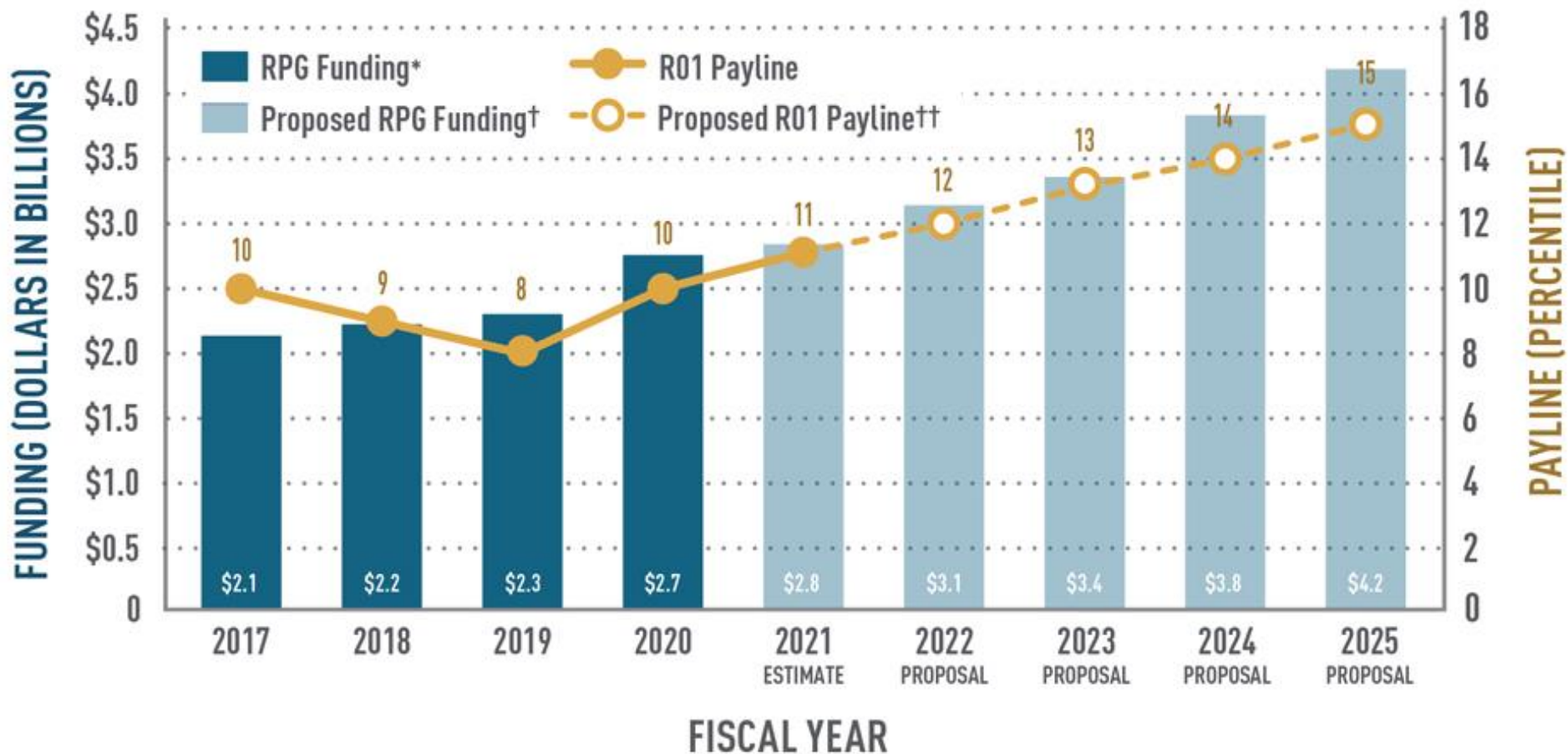
Trends in NCI grant applications and payline

Increase in Unique NCI R01/R37 Applicants

Data include all MPI/PIs



NCI Research Project Grants (RPG) Funding and R01 Paylines



* RPG funding levels include program evaluation and Small Business Innovation Research.

† FY 2021 reflects an estimate, and FY 2022 through FY 2025 are proposed professional judgment budget levels. Estimates beyond FY 2020 are subject to change due to unanticipated inflation rates, average cost increases, and fluctuations in application rates as the country recovers from the COVID-19 pandemic.

†† R01 paylines for FY 2022 through FY 2025 are proposed levels based on estimated funding levels included in this professional judgment budget.

RPG pool would need large increases between FY21 and FY25 to achieve “15 by 25”

- RPG pool budget needs to be ~\$1.4 billion larger in FY25 than in FY21 to achieve “15 by 25”
 - (RPG size: from \$2.8 billion in FY21 to \$4.2 billion in FY25)
- If ~50% of the NCI budget increase goes to the RPG pool, the NCI’s total budget would need an increase of ~\$2.8 billion between FY21 and FY25 to achieve “15 by 25” for RPG pool to increase ~\$1.4 billion

Summary

- NCI has prioritized RPG funding
 - But not neglecting the other parts of its research portfolio
- A considerable amount of extramural research funded by NCI is outside the RPG pool
- Large increases to NCI budget will be needed to reach “15 by 25”



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