

Investigator-initiated grants to increase the diversity of viewpoints in cancer research

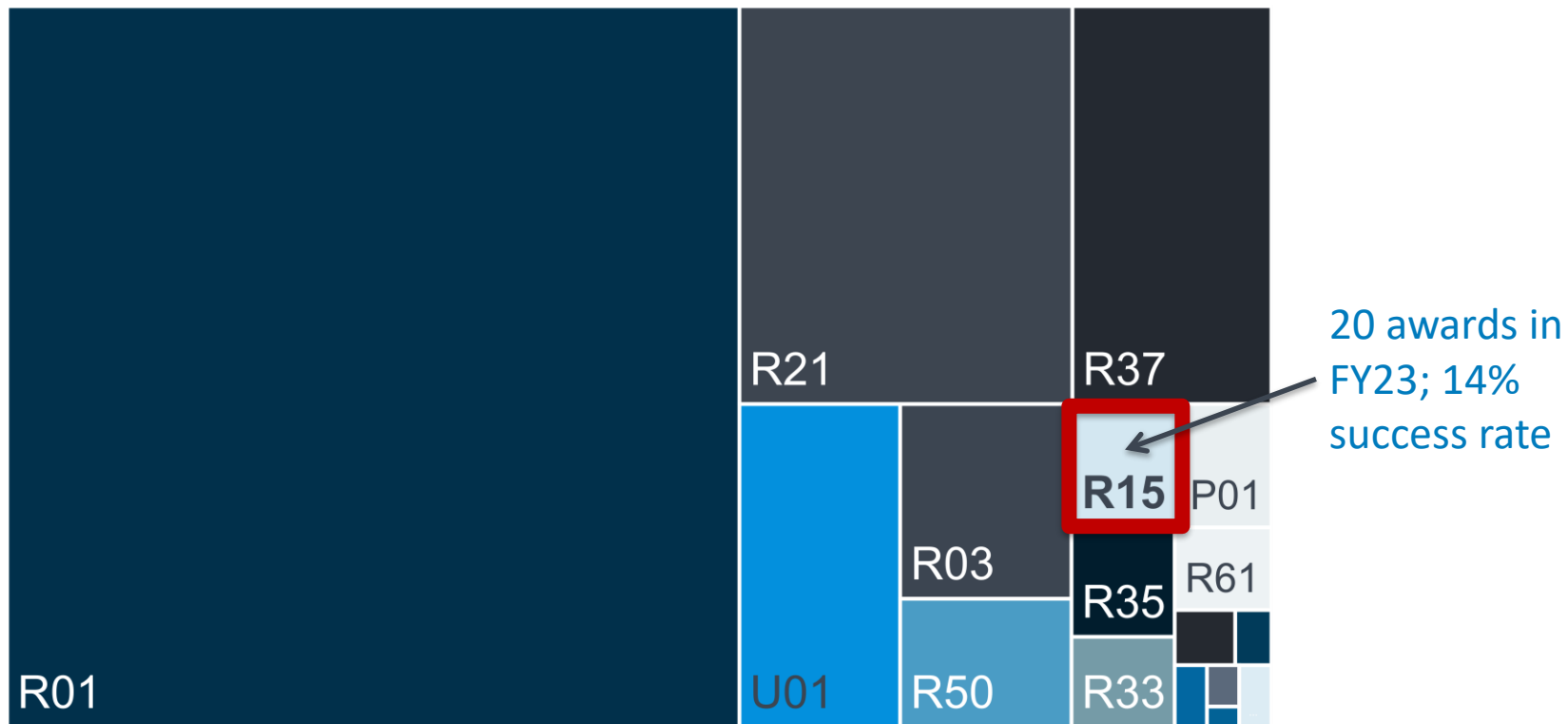
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The success of the National Cancer Plan depends on including everyone in cancer research



An underutilized opportunity to build capacity in cancer research: NIH Research Enhancement Award (R15)



What is a R15 and who should consider applying?

The goal of the R15 is to strengthen basic and clinical research environments at institutions without significant NIH funding*

First and foremost, the R15 is a **research award** with up to 3 years of support (\$300,000 direct cost for the entire grant period).

An important secondary goal of the R15 is to **support training** of undergraduates and health professionals.

**less than \$6M in total NIH funding for 4 of the last 7 fiscal years*

There are two distinct R15 opportunities at NIH:

The most important aspect of a R15 application is proposal of a meritorious research project (with a strong training component).

AREA – *Academic Research Enhancement Award*

PAR-21-155

- Meaningful inclusion of undergraduates in the research plan required; majority of research team

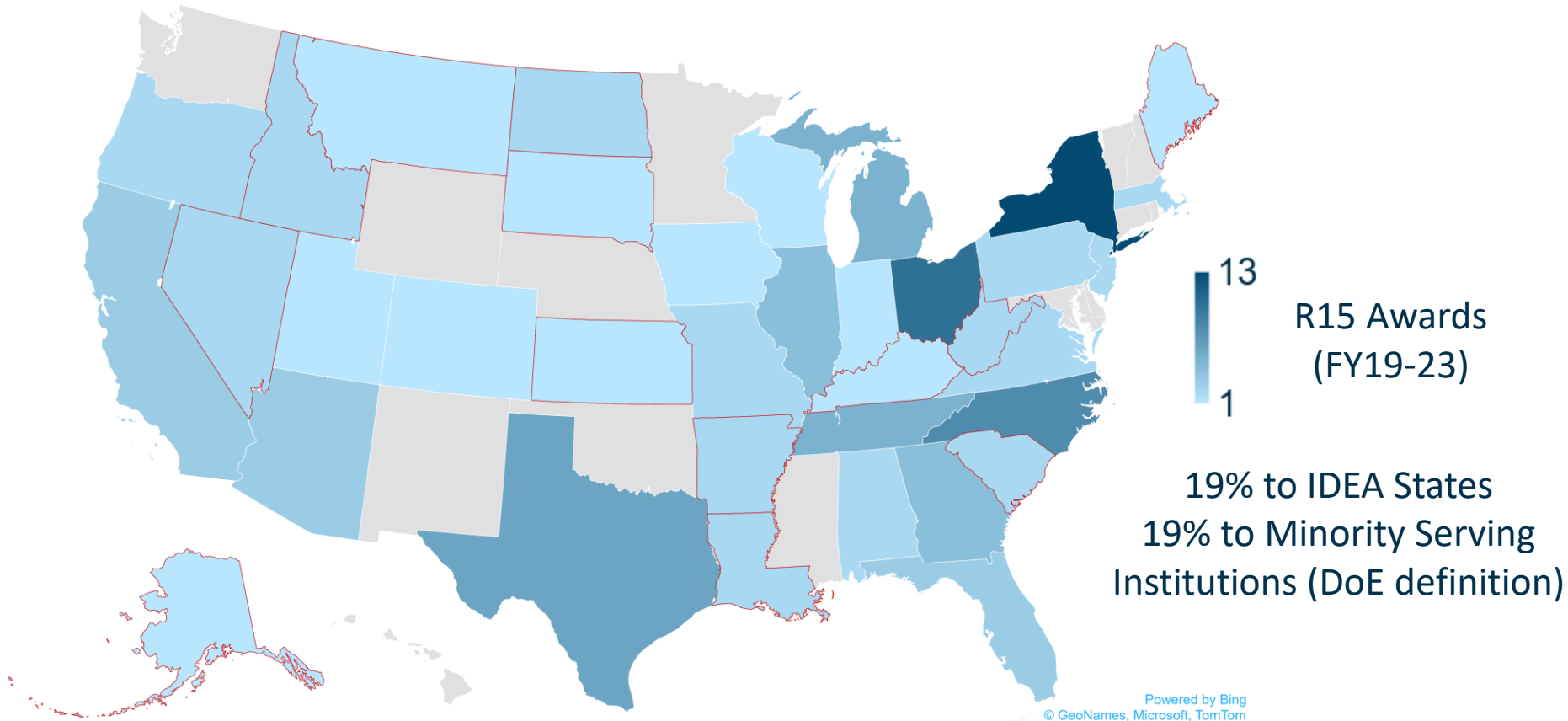
REAP – *Research Enhancement Award Program*

PAR-22-060

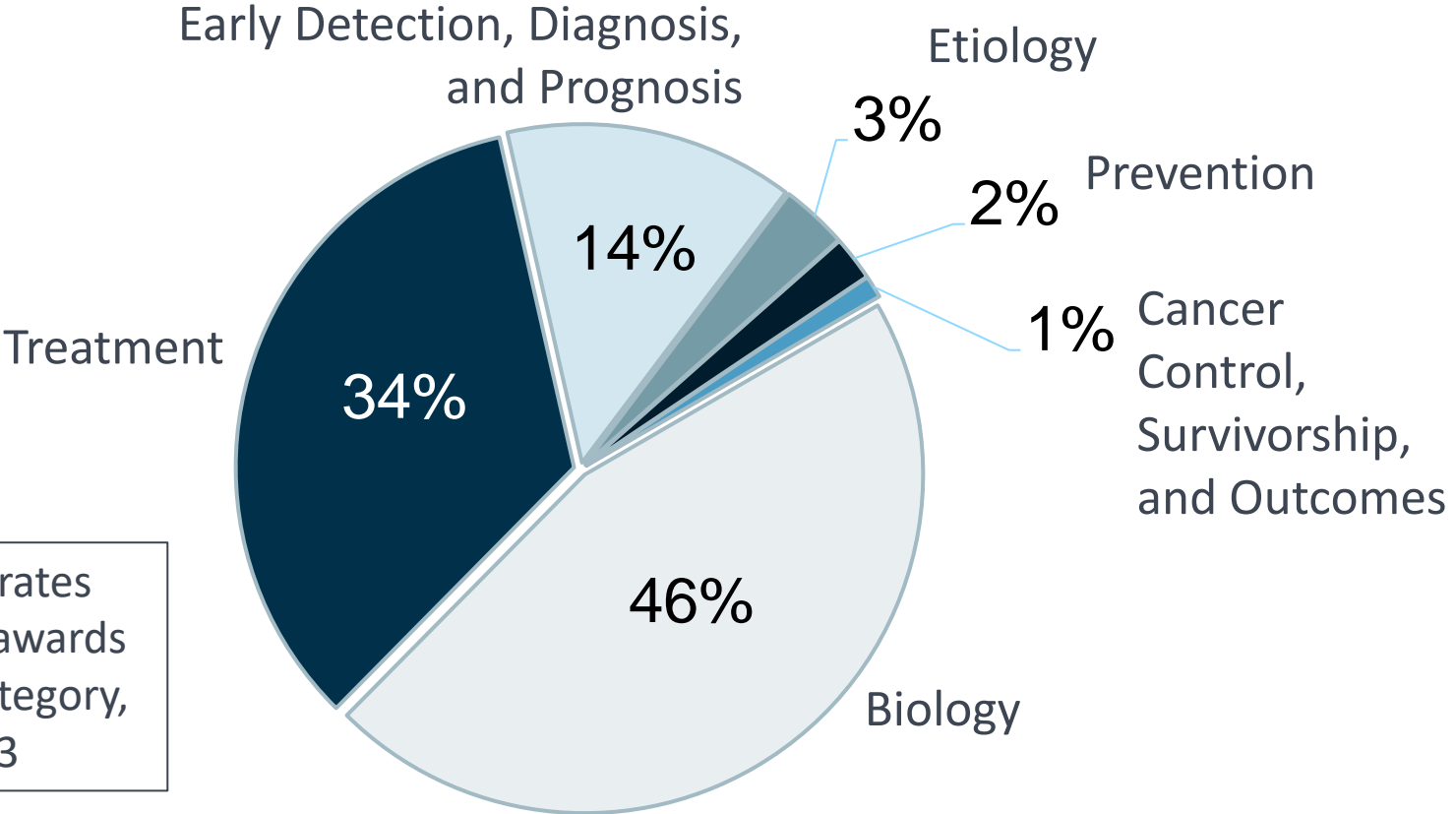
- Support for health professionals and graduate schools with limited NIH funding

Inclusion of students traditionally underrepresented in research is of specific interest to NIH/NCI via NOT-OD-22-019

NCI R15 awardees are located across all regions of the U.S.



NCI R15 awardees conduct research across the cancer continuum

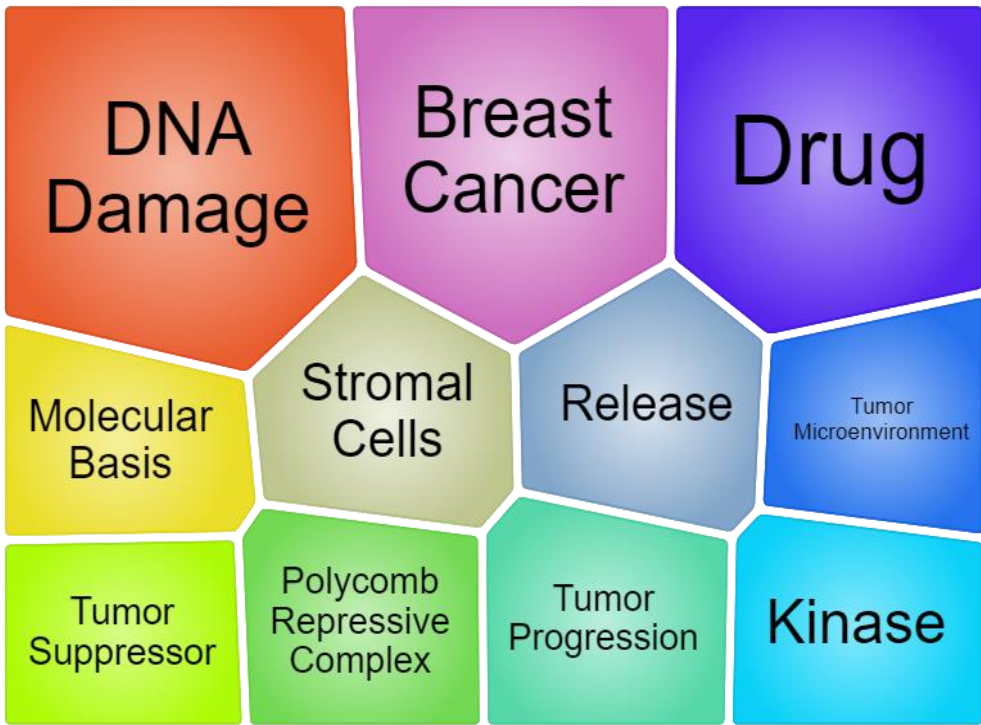
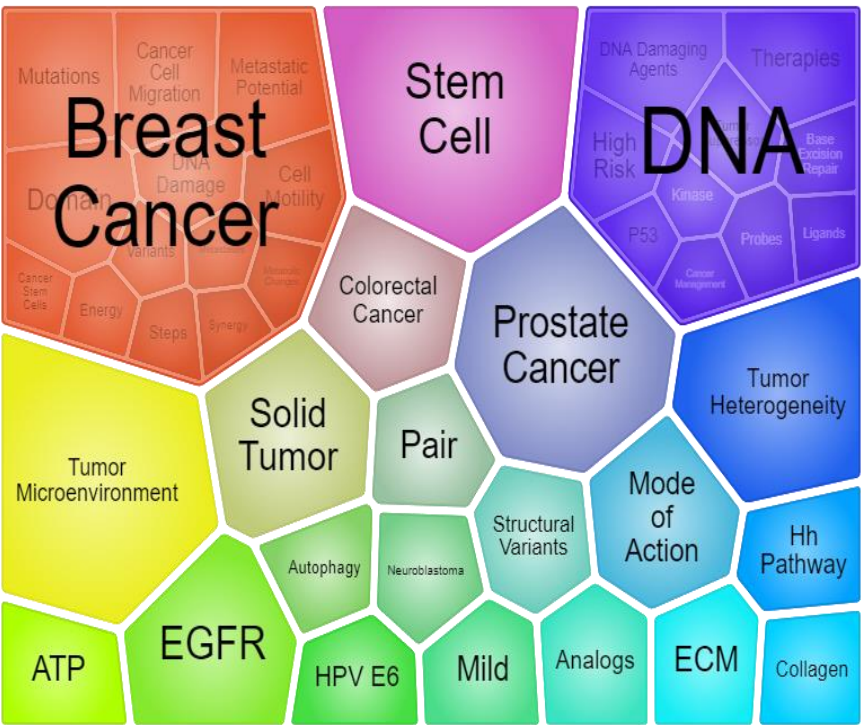


Plot illustrates the % of awards in CSO category, FY18-FY23

NCI Division of Cancer Biology R15 awardees address a wide range of cancer research topics and challenges

AREA (47 awards)

REAP (12 awards)



Logistics and FAQs when considering an R15 application

R15 ABCs

- Up to \$300,000 direct cost over 3 years
- 12-page Research Strategy
- Multiple PIs are allowed, if all eligible
- Provost letter-verify the eligibilities
- Grants are renewable
- Preliminary data
- Institution must not have more than \$6M/year in 4 of the last 7 years of total NIH support
- Standard application deadlines: February 25, June 25, and October 25

R15 Principal Investigator Eligibility

Primary appointment at eligible institution

- **AREA:** Non-Health Professional School faculty
- **REAP:** Health Professional School or Graduate School faculty
- **PI may not have an active NIH grant at time of award***
 - Can be co-I on another PI's research NIH grant
- **AREA and REAP are mutually exclusive**
- **Ask your provost, NIH does not have a list**

*Instrumentation awards (S10), conference grants (R13) and institutional training grants (T32s) do not count against R15 PI eligibility

R15 or R01, which route is the best choice right now?

- Limited-scale research project
- Budget, project period smaller than R01
- Fewer resources may be available at your institution
- Essential to illustrate opportunities for students
- Bolster the research ecosystem of the institution

R15 projects must propose a meaningful scientific contribution

Driven by an interesting scientific question addressing a gap in the field

Preliminary data

- Foundation to support the hypothesis
- Demonstrate feasibility

Approach

- Appropriate scope
- Resources in-hand

Publishable unit to:

- Make an important scientific contribution
- Enrich the experience of the student
- Improve the research capacity of the institution

R15 projects must propose meaningful student involvement

- Describe in research strategy and /or biosketch (numbers and quality)
- Discuss history of mentoring students and outcomes
- Highlight co-authored papers
- Plan for recruitment and multi-semester commitment
- Be specific:
 - Design, perform, and troubleshoot experiments
 - Collect & analyze data
 - Help draft manuscripts
 - Additional collaborative interactions
 - Present at meetings and conferences (e.g. lab meetings, campus events & conferences)

R15 budget considerations

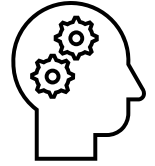
- Support a wide range of expenses
- Include student wages
- Collaborator salaries (subawards)
- Travel/conference support
- Consider a (part time/seasonal) technician

Review

- Special emphasis panel
- Standing study sections
- List expertise in Assignment Request Form
 - Feasibility and meaningful student involvement
 - Preliminary data
 - Facilities and Other Resources



Useful Tips and other information



- NIH Reporter: <https://reporter.nih.gov/>
 - Matchmaker tool
- R15 website: <https://grants.nih.gov/grants/funding/r15.htm>
- Include a data sharing plan (new)
- **Talk to a program officer**

Thank you, please don't hesitate to reach out with questions!

Slides are available via email:

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