



National Institutes of Health
The BRAIN Initiative

BRAIN Initiative Demographics FY14-FY23

Crystal L. Lantz, Ph.D.

Creating an Inclusive Research Community

To support the best science, the NIH BRAIN Initiative encourages inclusivity in research. Examples of types of diversity include but are not limited to:

Transdisciplinary research

- Collaborations among neuroscientists and researchers from fields such as computational biology, physics, engineering, mathematics, computer and data sciences, and bioethics

Individuals from diverse backgrounds**

- Such as underrepresented racial and ethnic groups, those with disabilities, those from disadvantaged backgrounds, and women

Career stage

- Researchers at different career stages

Geographic distribution

- Individual applications and partnerships that enhance geographic and regional heterogeneity

Institution “type”

- Engagement from different types of institutions and organizations (e.g., research-intensive, undergraduate focused, minority-serving, community-based)

Human Research Participants

- Recruitment and outreach to recruitment of individuals from diverse groups as human subjects in clinical trials, including those from underrepresented backgrounds.

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Human Research Participants

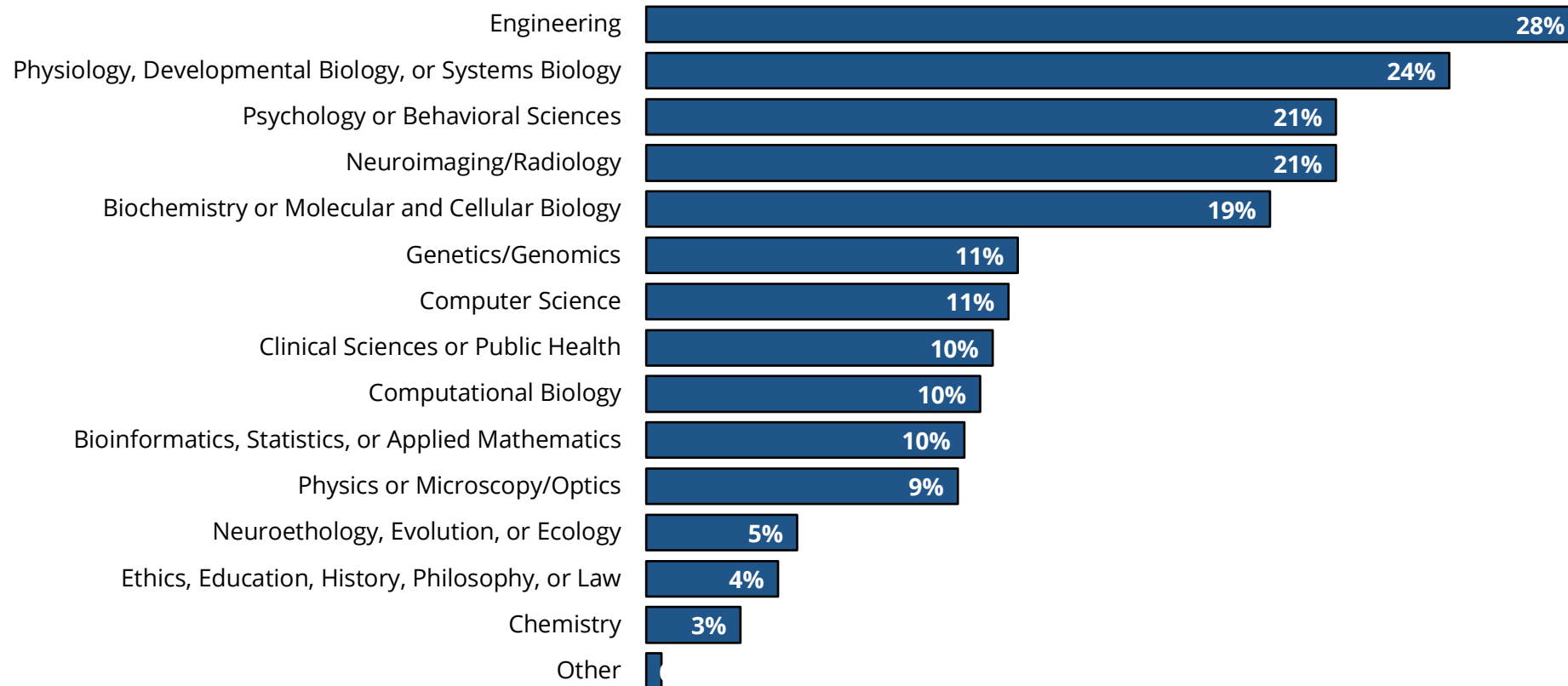
- Recruitment and outreach to recruitment of individuals from diverse groups as human subjects in clinical trials, including those from underrepresented backgrounds.



Transdisciplinary Expertise: Investigators or Scientists

Research Expertise of Attendees Who Are Investigators or Staff Scientists (N = 1062)

Percentage of Responders Indicating As Primary or Secondary Field (%)

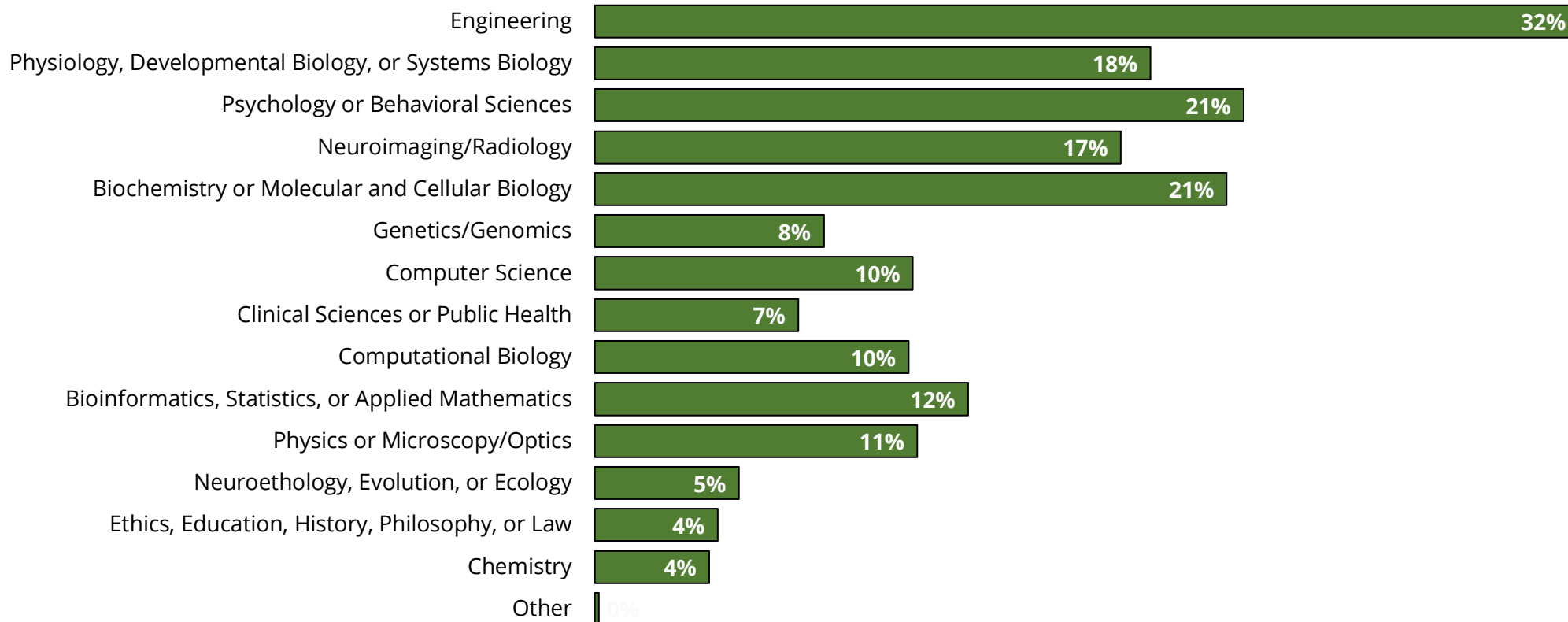




Transdisciplinary Expertise: Trainees or Scholars

Research Expertise of Attendees Who Are Trainees or Scholars (N = 718)

Percentage of Responders Indicating As Primary or Secondary Field (%)



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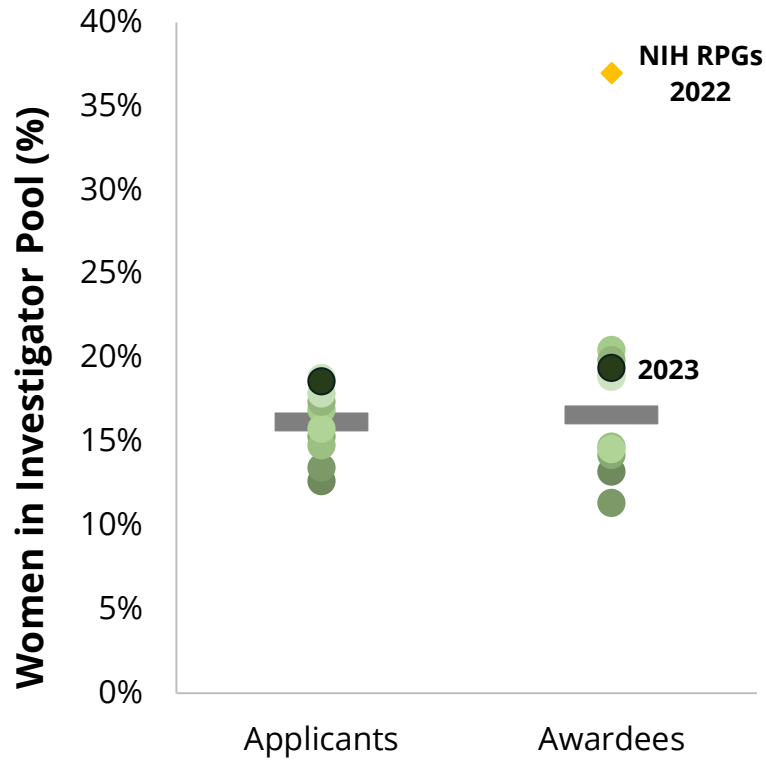
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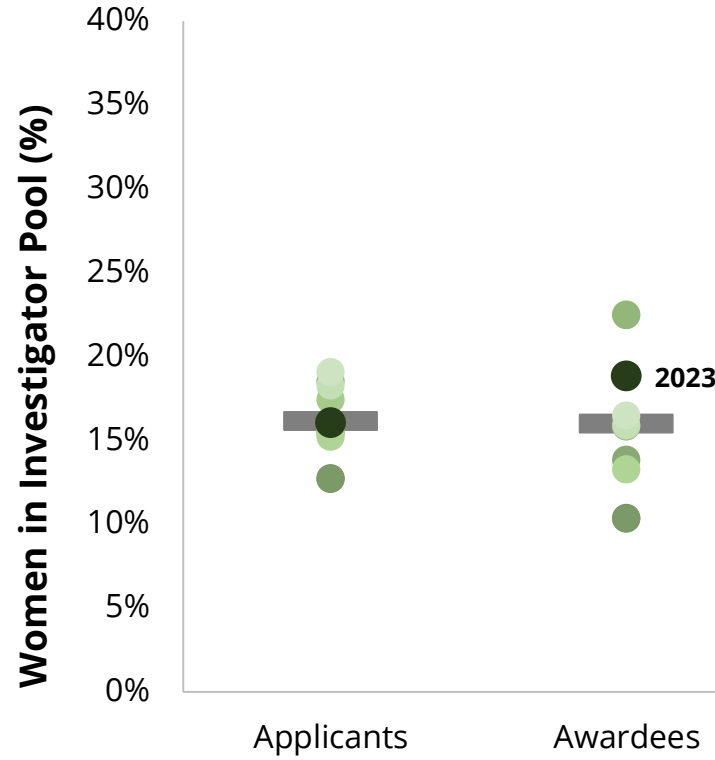


Sex of BRAIN Initiative Investigators

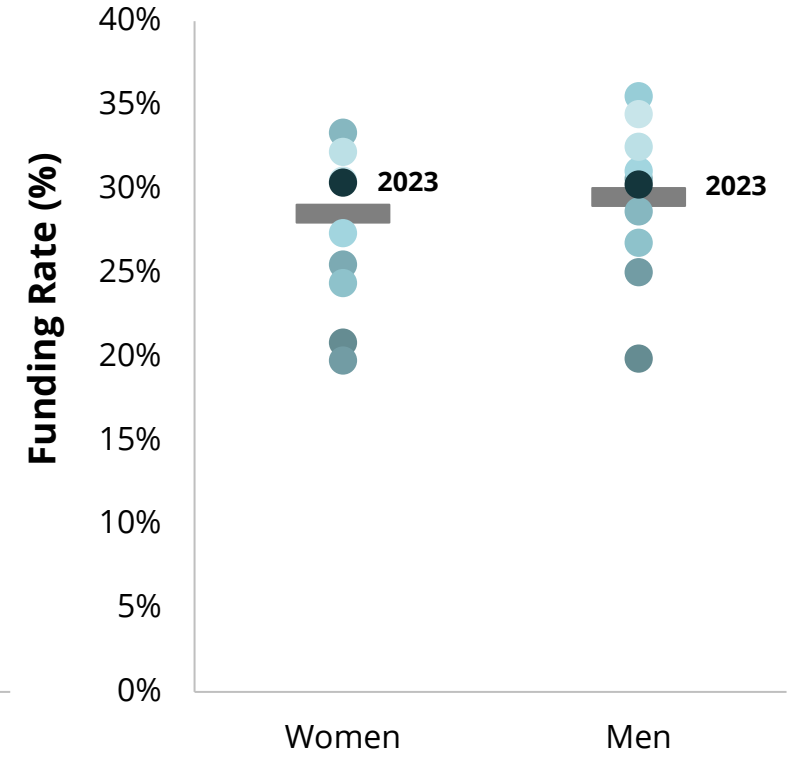
Women - All PIs/MPIs



Women - Contact PIs



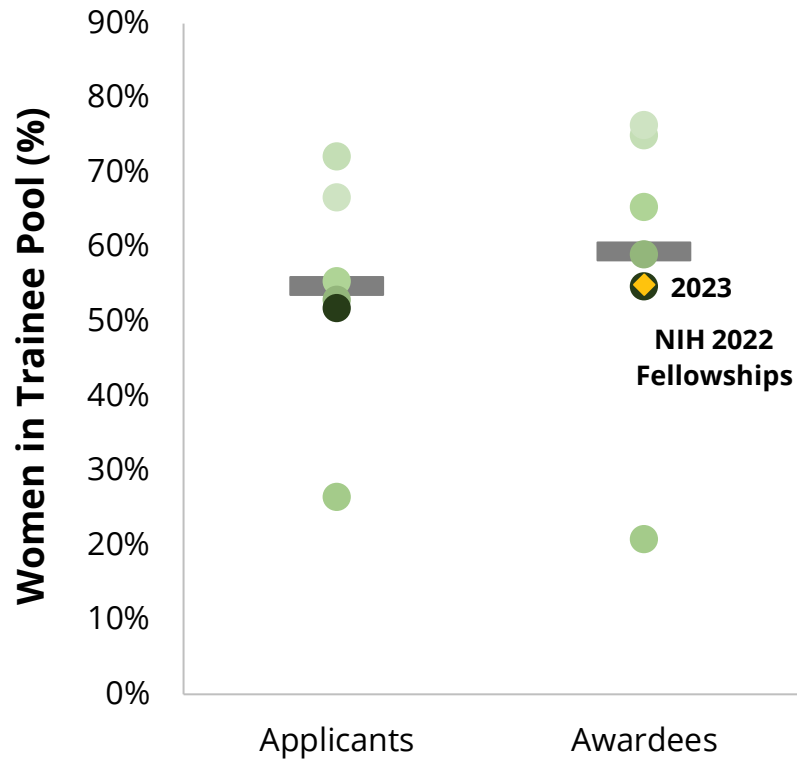
Funding Rates - All PIs/MPIs



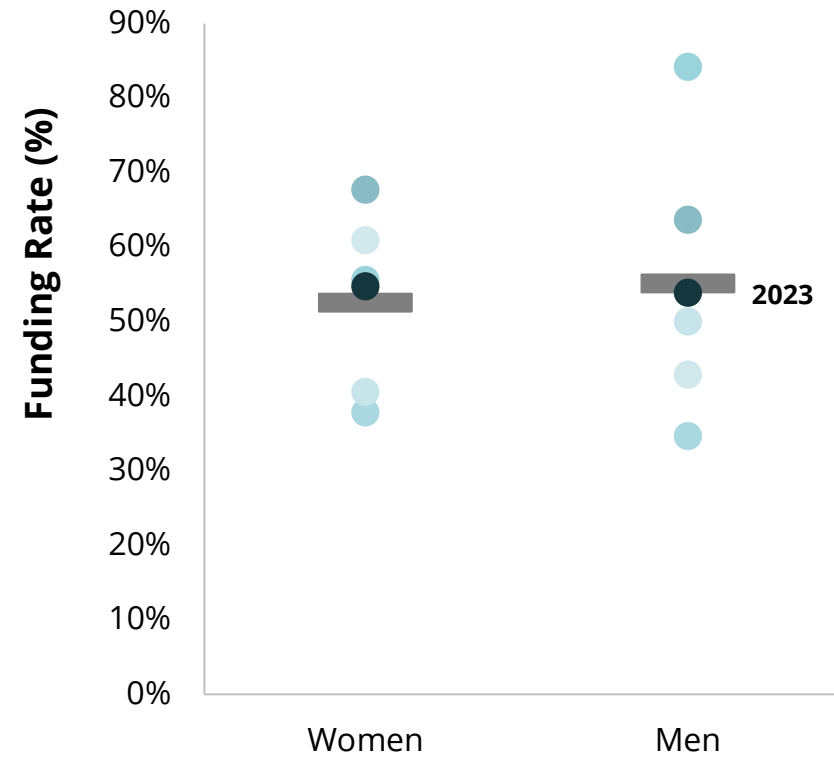


Sex of BRAIN Initiative Trainees / Scholars

Women – Trainees / Scholars

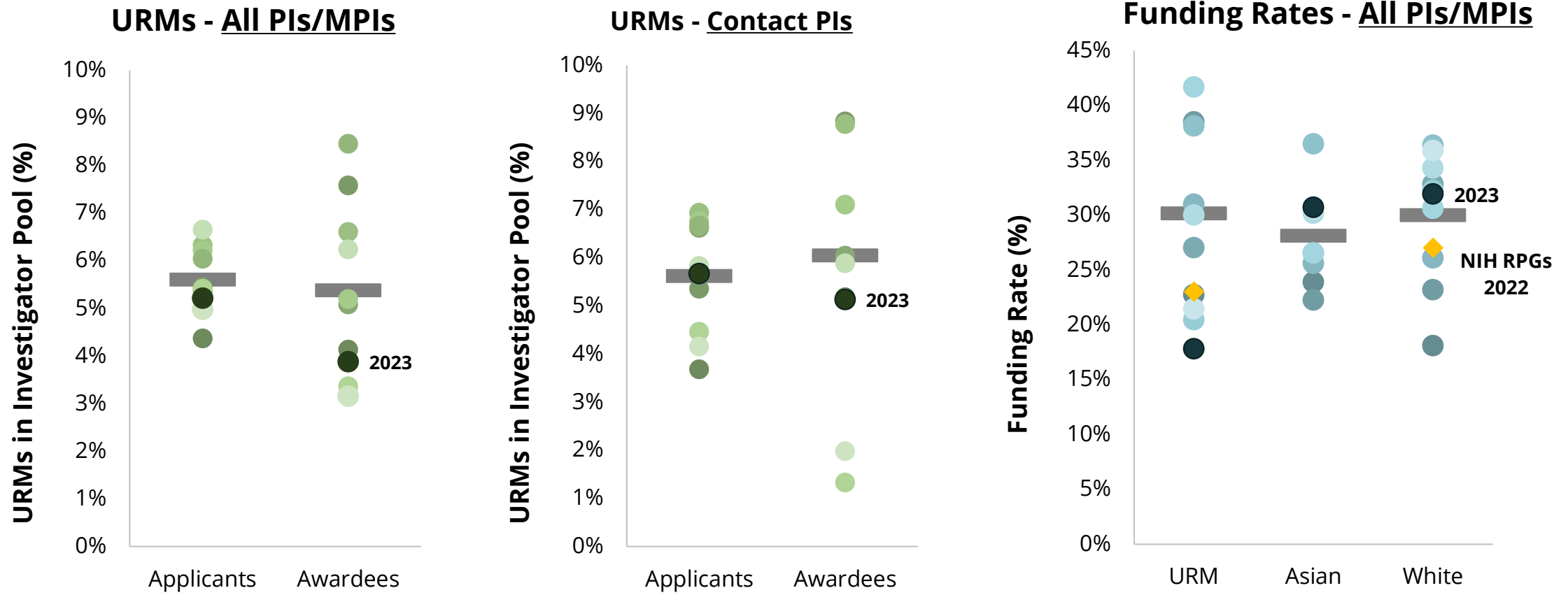


Funding Rates – Trainees / Scholars



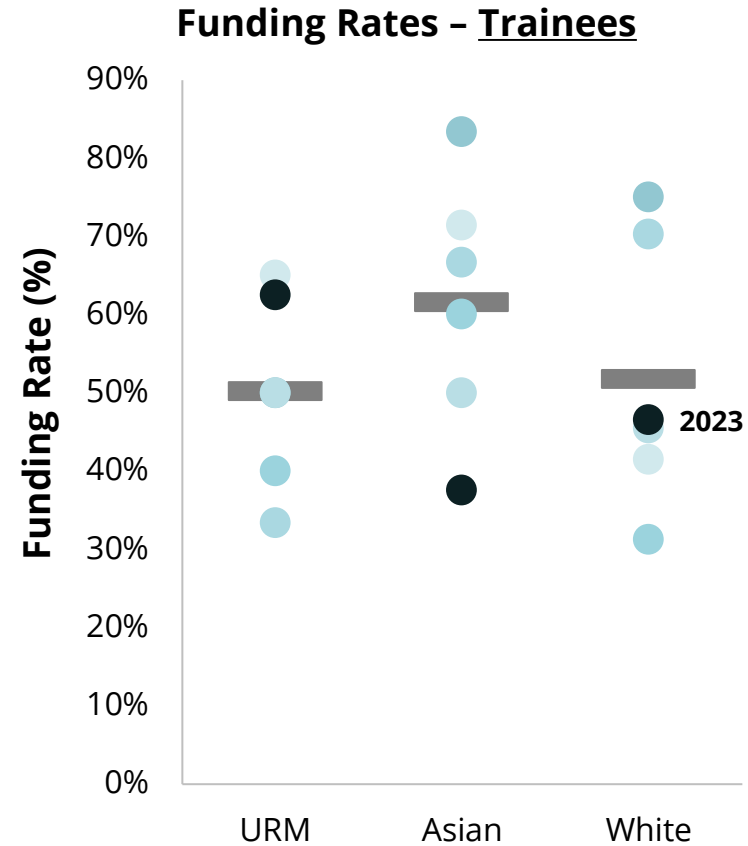
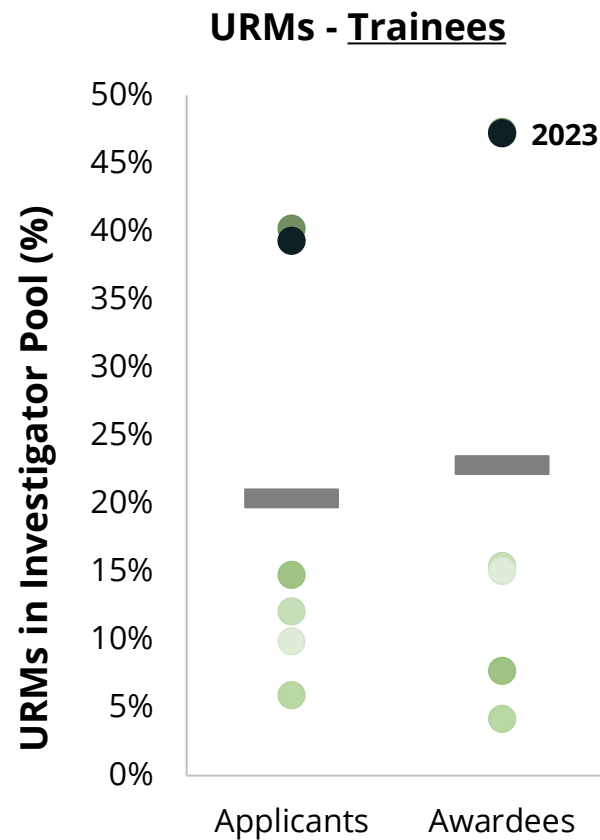


Race/Ethnicity of BRAIN Initiative Investigators



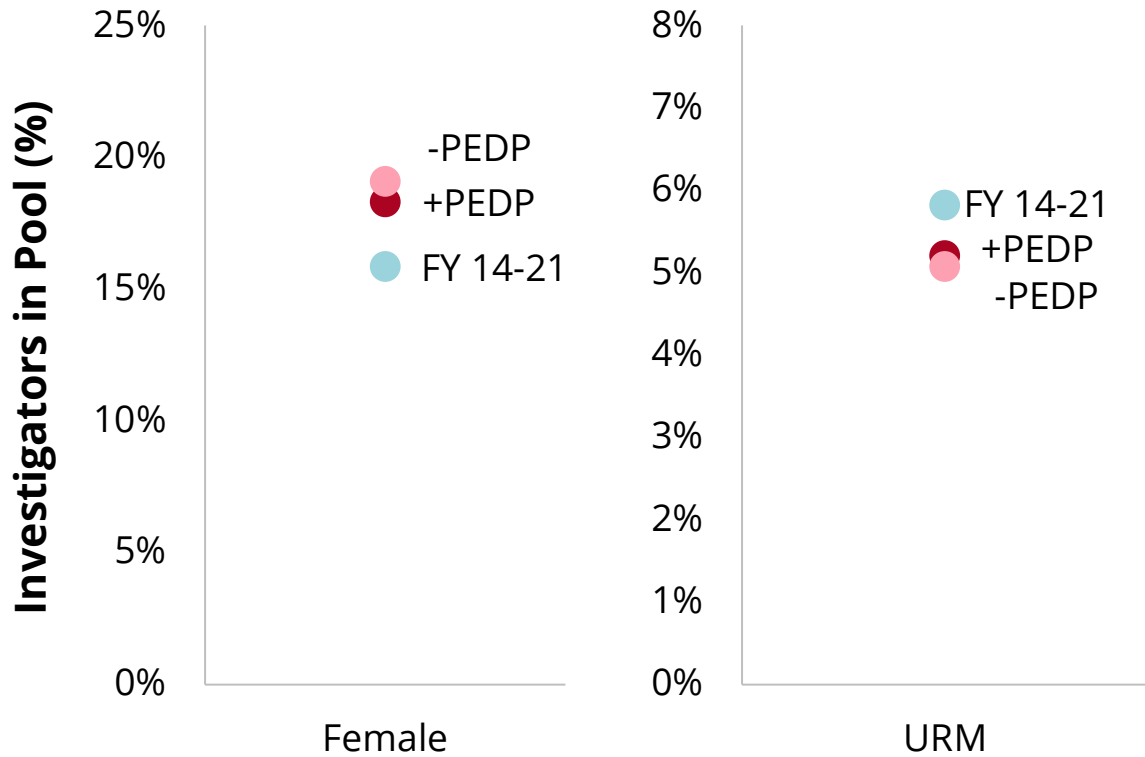


Race/Ethnicity of BRAIN Initiative Trainees / Scholars

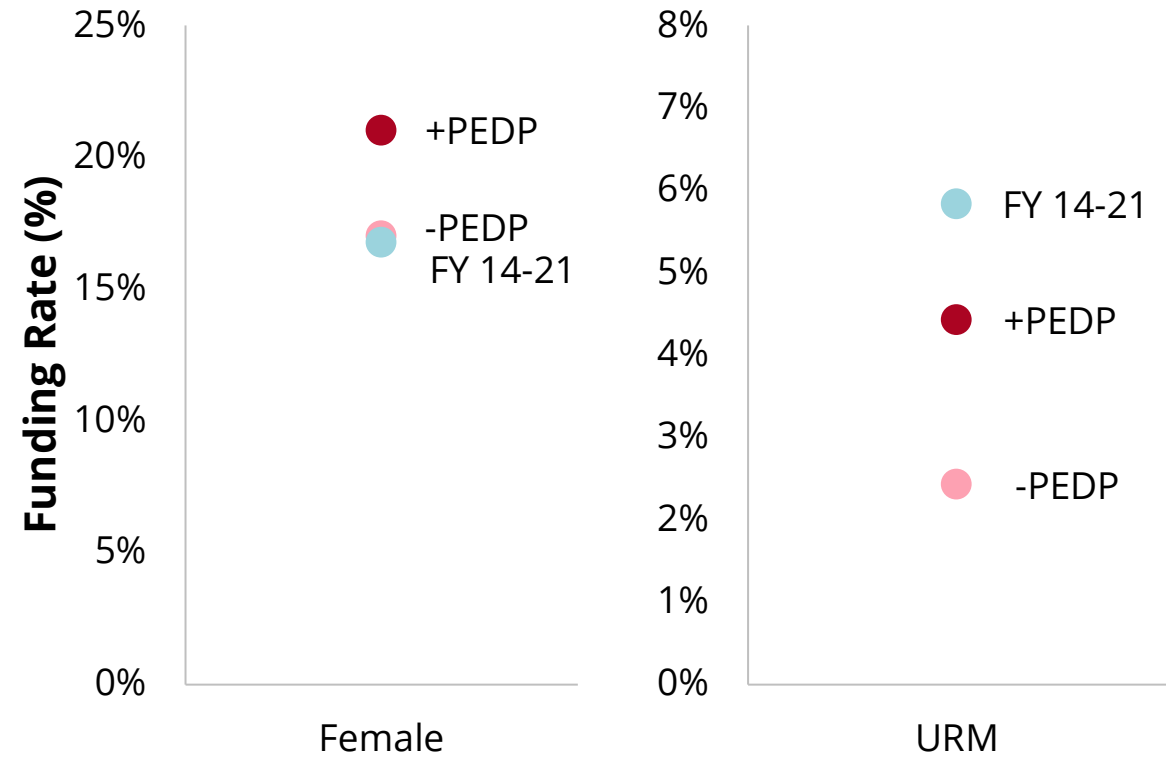


PEDP and Investigator Identity

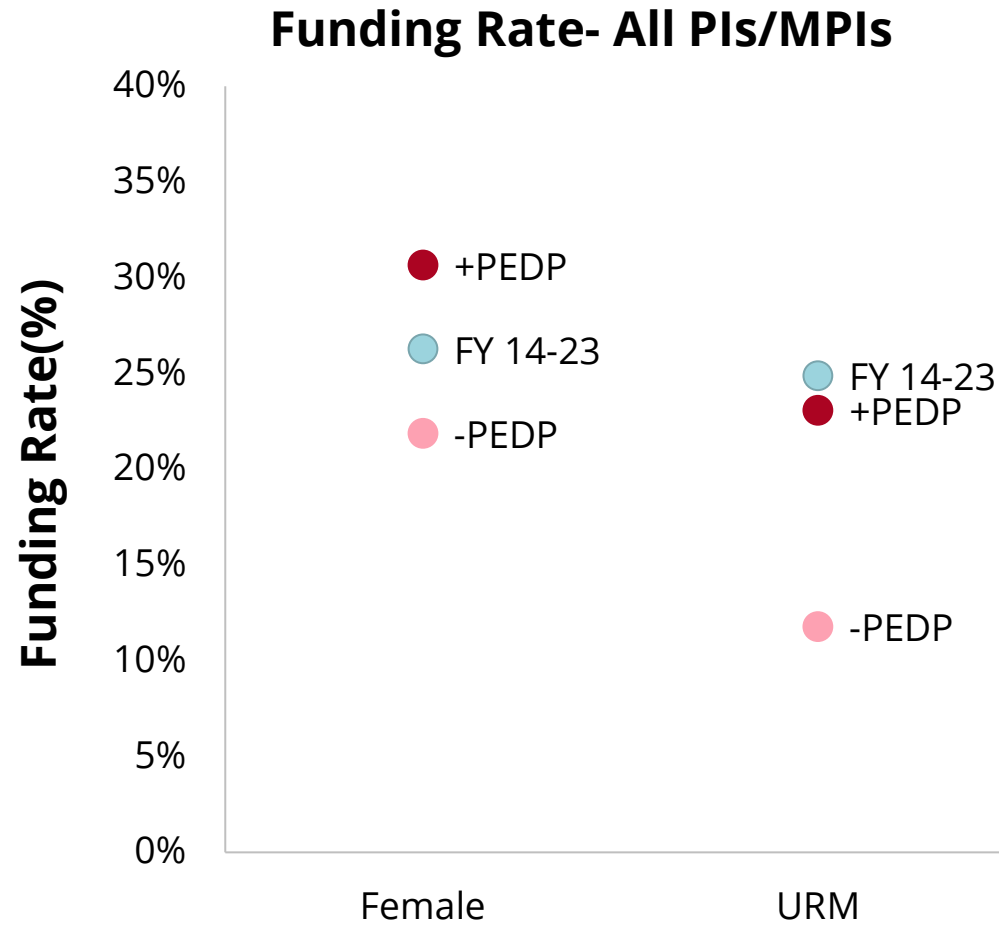
Applications - All PIs/MPIs



Awards - All PIs/MPIs



PEDP and Investigator Identity



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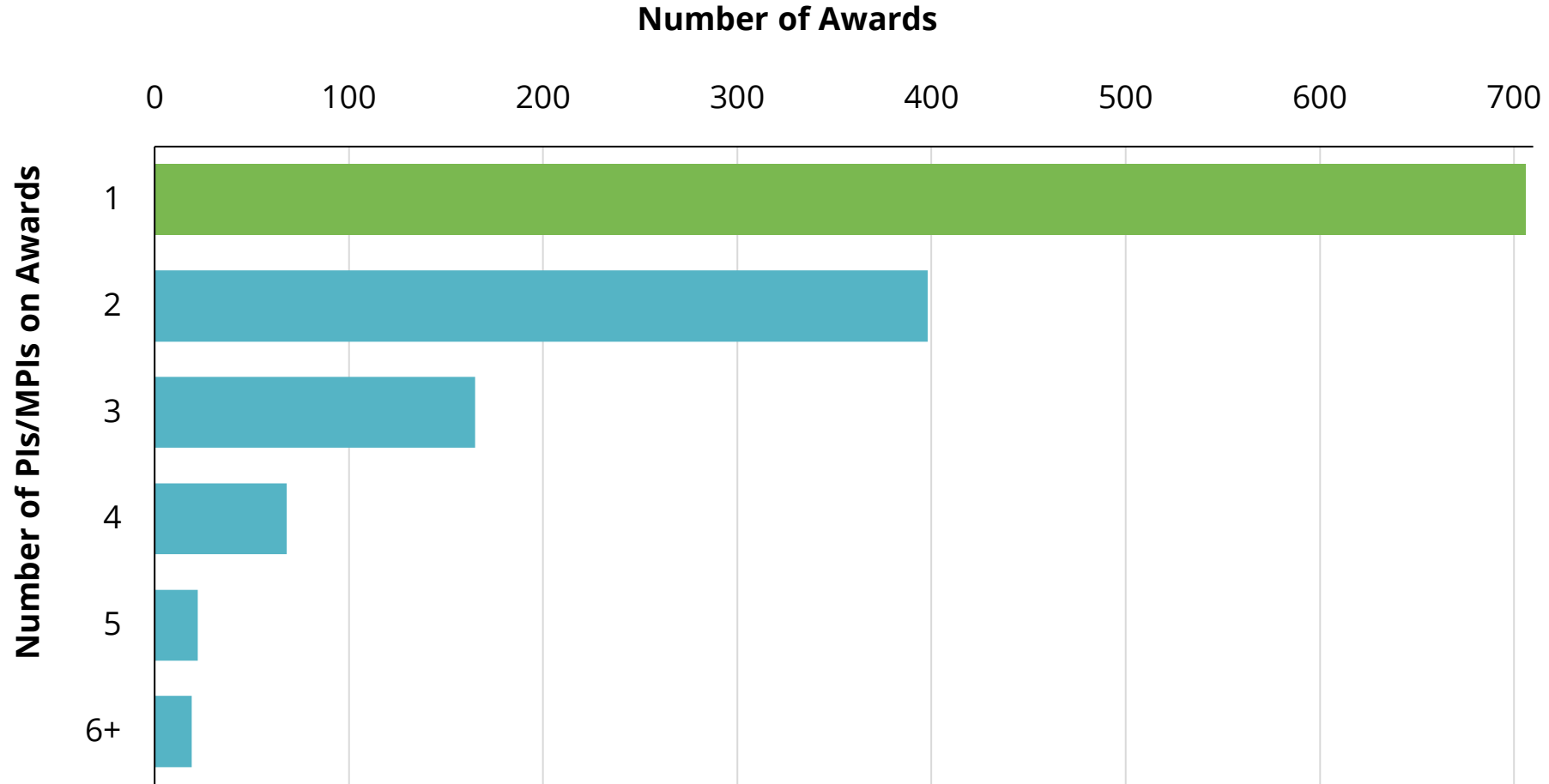
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Team Science

- Diversity among persons represented on multi-investigator project teams

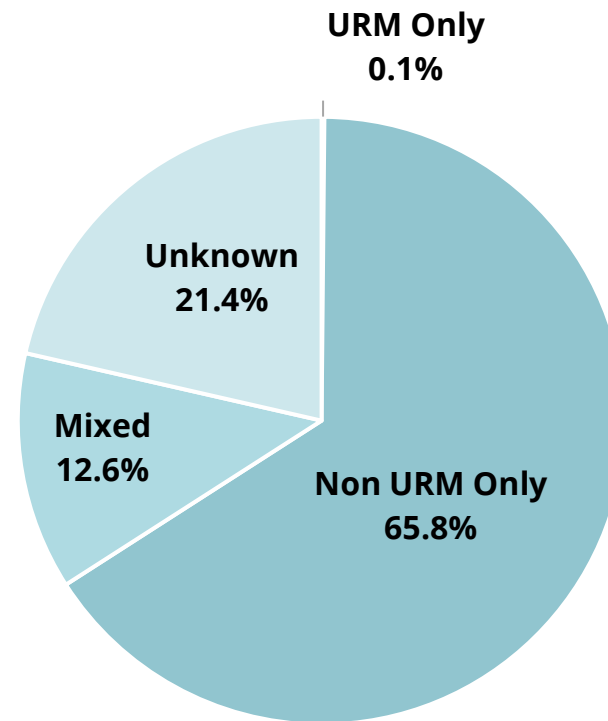
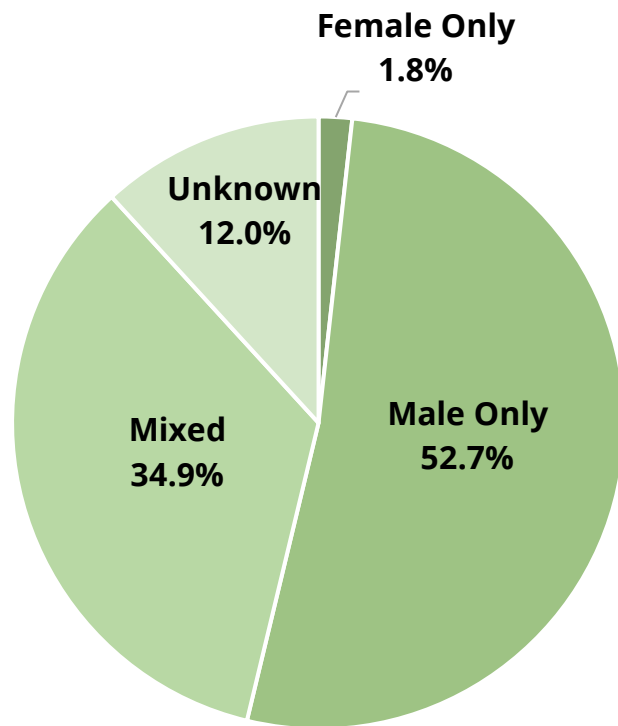


48% of All BRAIN Awards have Multiple PI





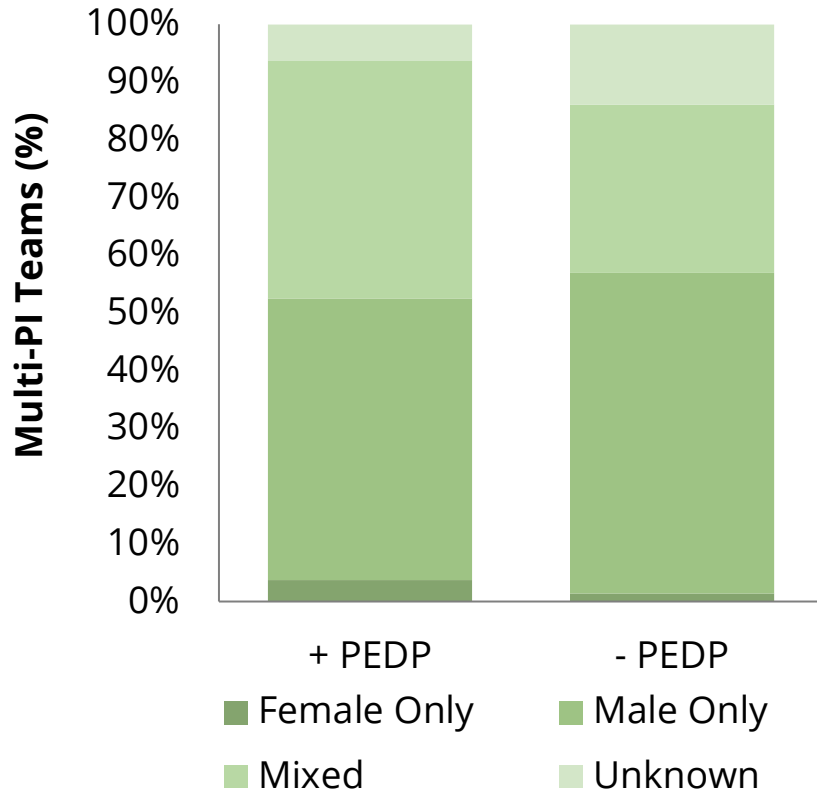
Most Multi-PI Teams are Male and Non-URM



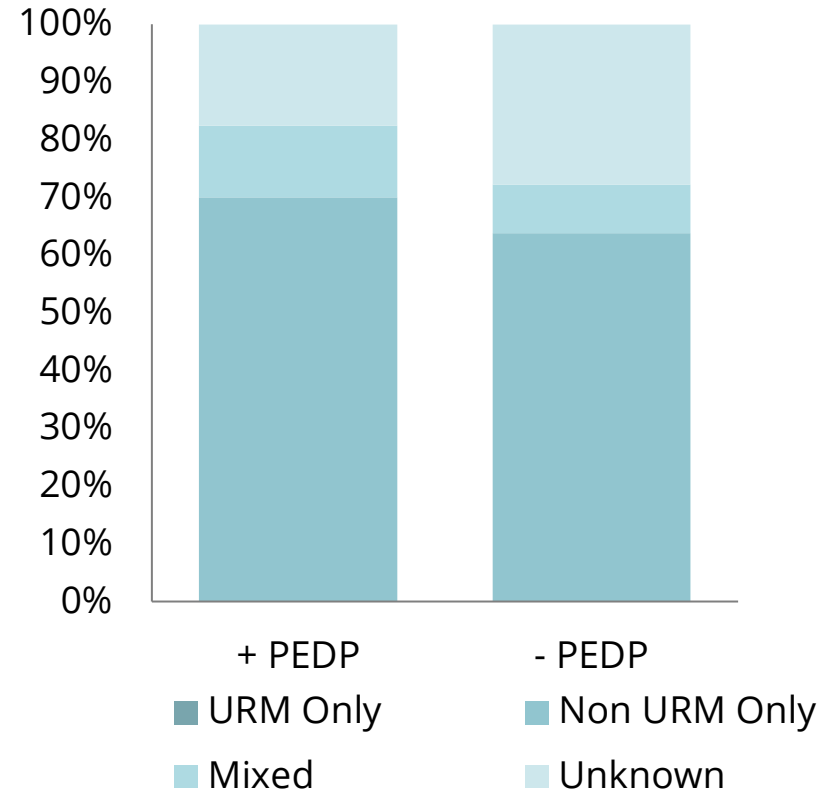


More Mixed Multi-PI Teams with PEDPs

Gender - MPI Composition



Race/ Ethnicity - MPI Composition



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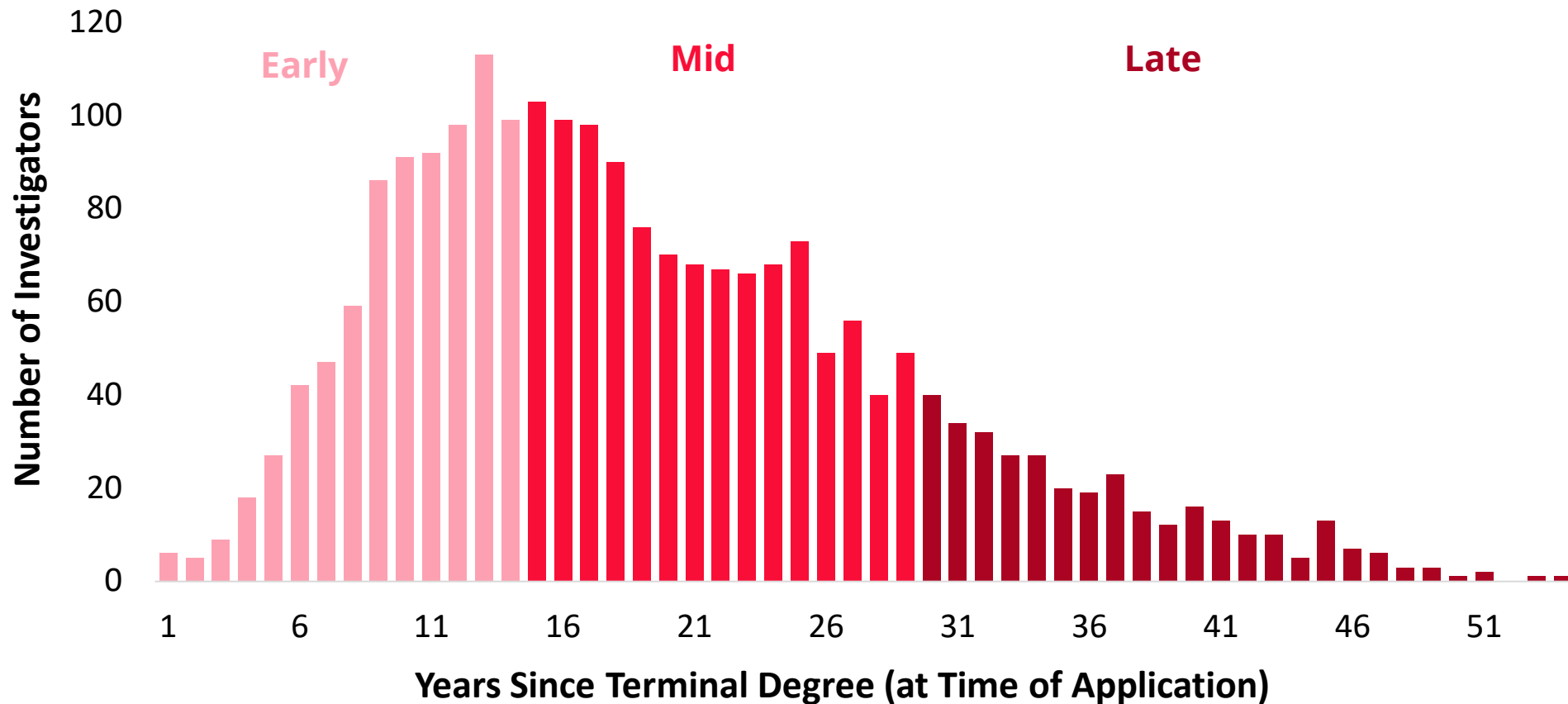
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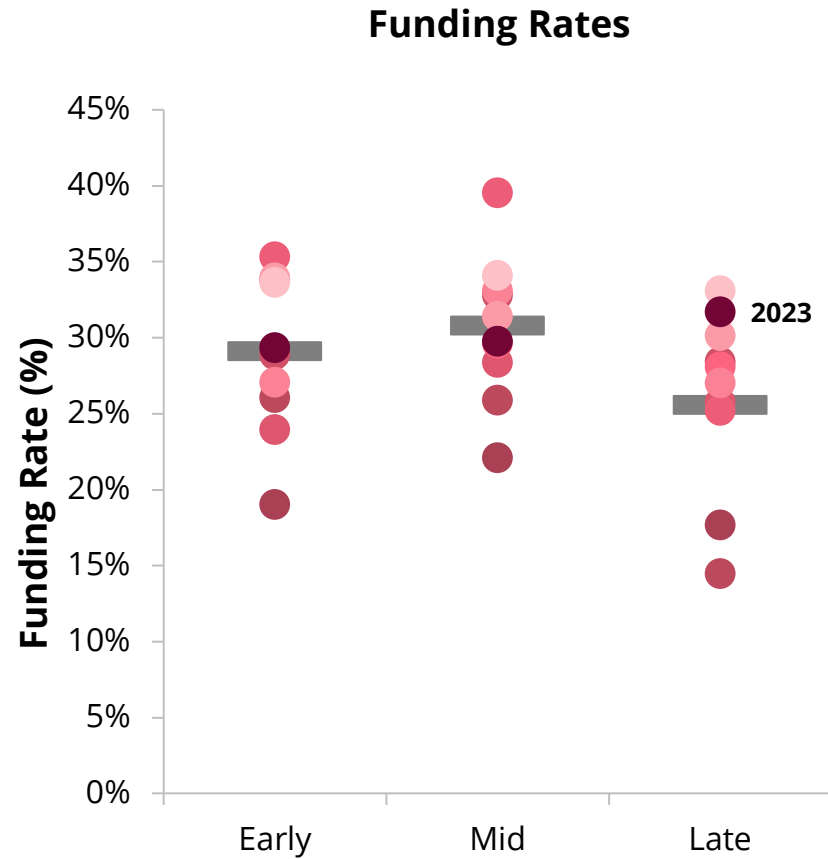


Career Stage of BRAIN Investigators





Career Stage of BRAIN Initiative Investigators



Early Career

- 0-14 years since terminal degree

Mid Career

- 15-29 years since terminal degree

Late Career

- 30+ years since terminal degree

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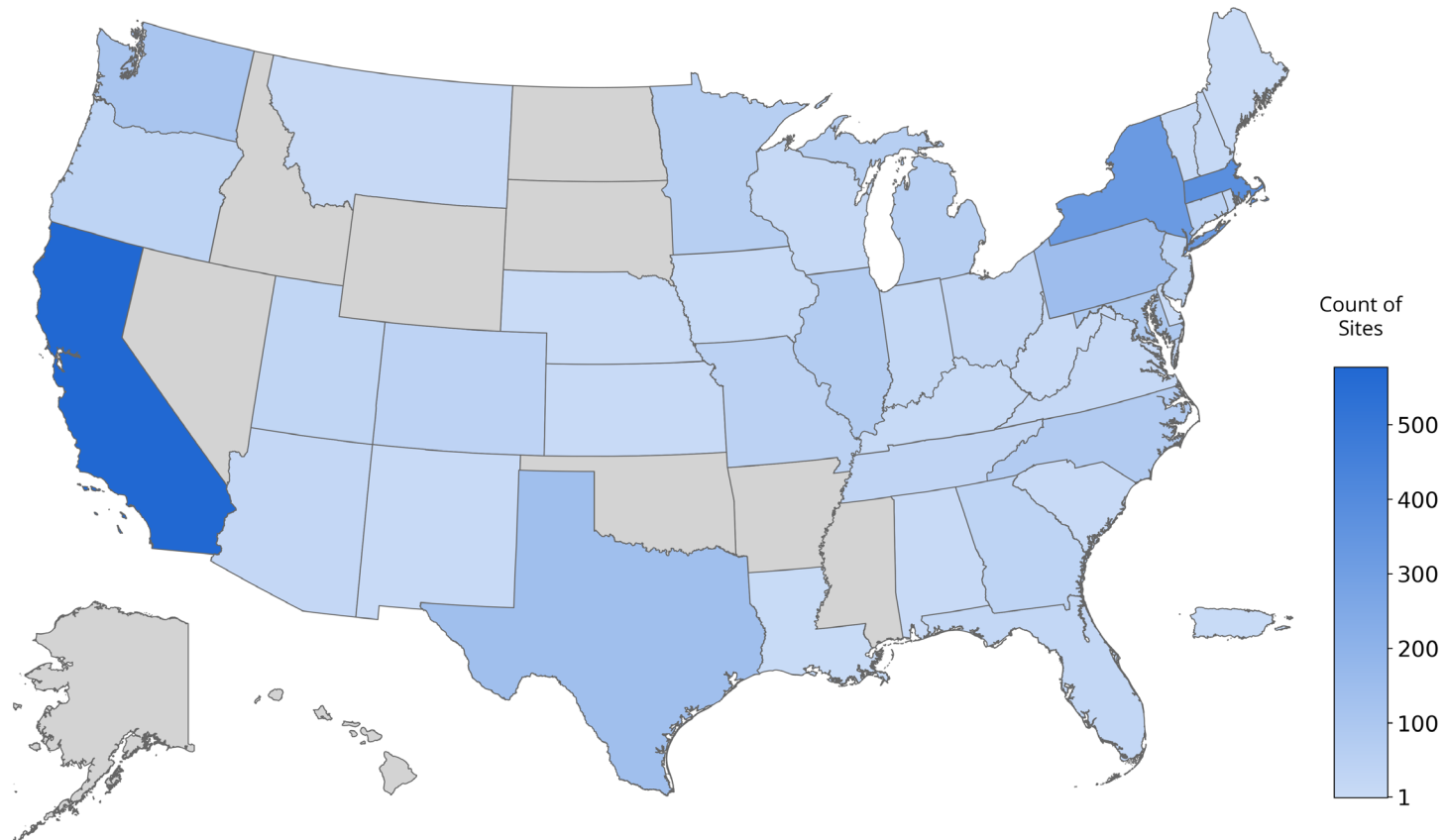
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Awarded BRAIN Initiative U.S. Performance Sites

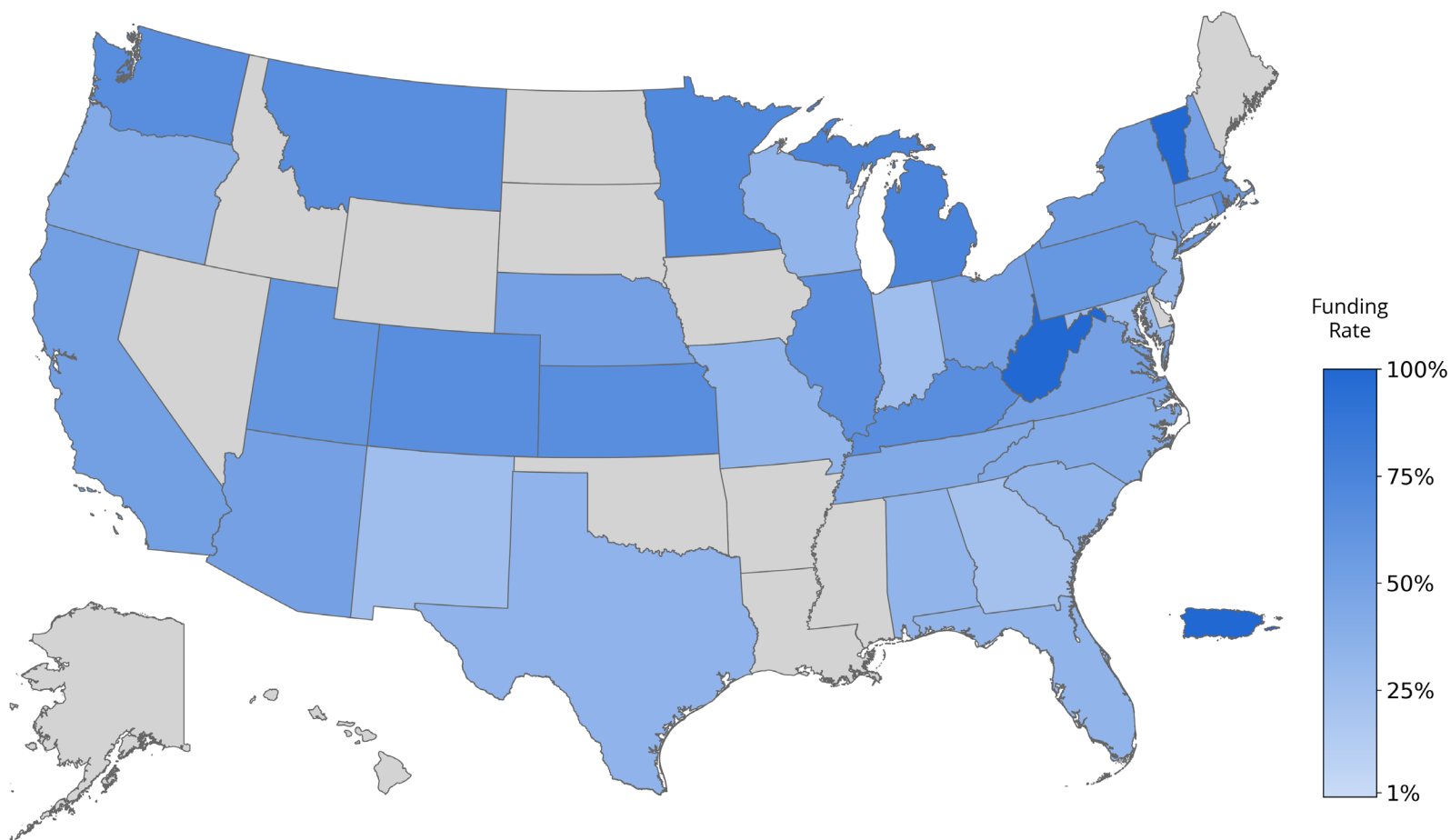
Number of Performance Sites





U.S. BRAIN Initiative Institutional Funding Rates by State

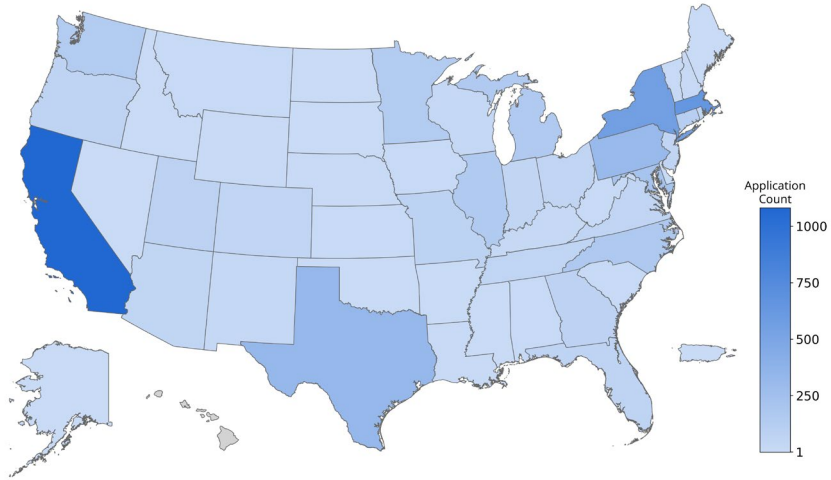
Institution Funding Rate by State



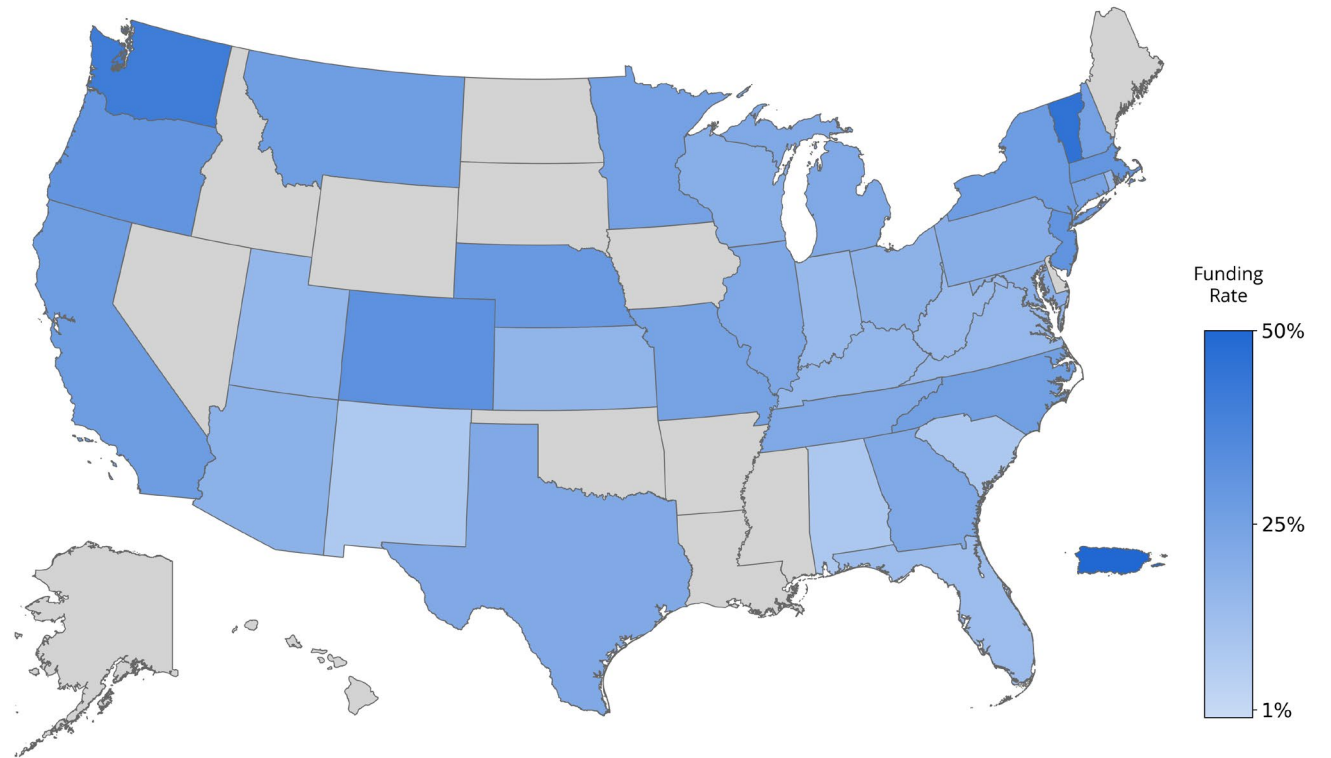


U.S. BRAIN Initiative Award Rates by State

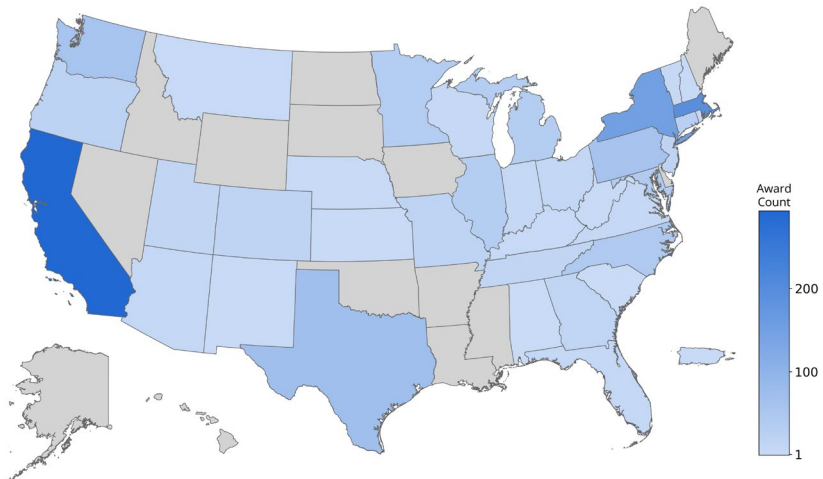
Applications by State



Award Rate by State



Awards by State

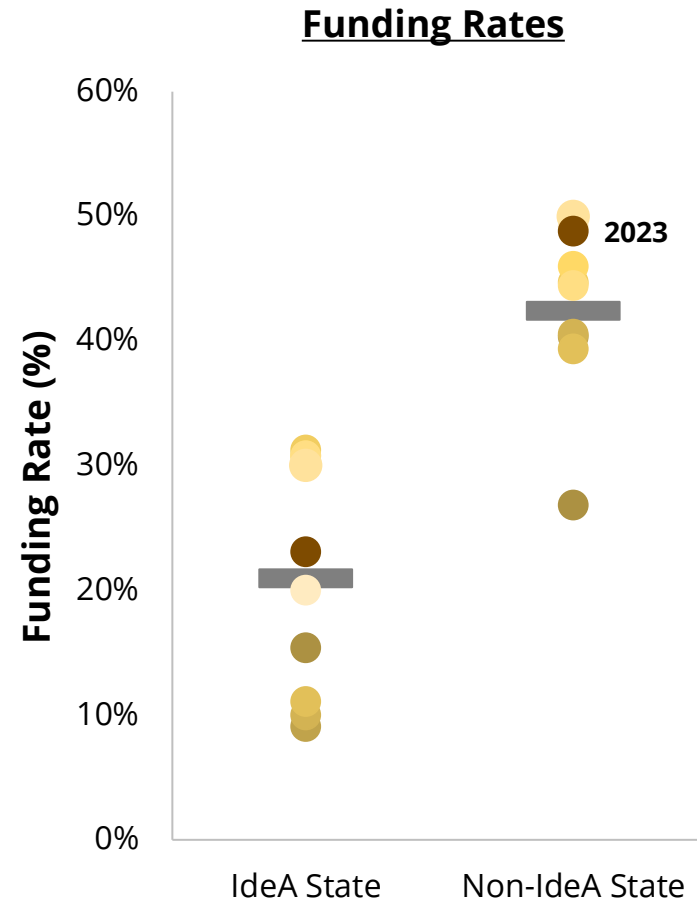
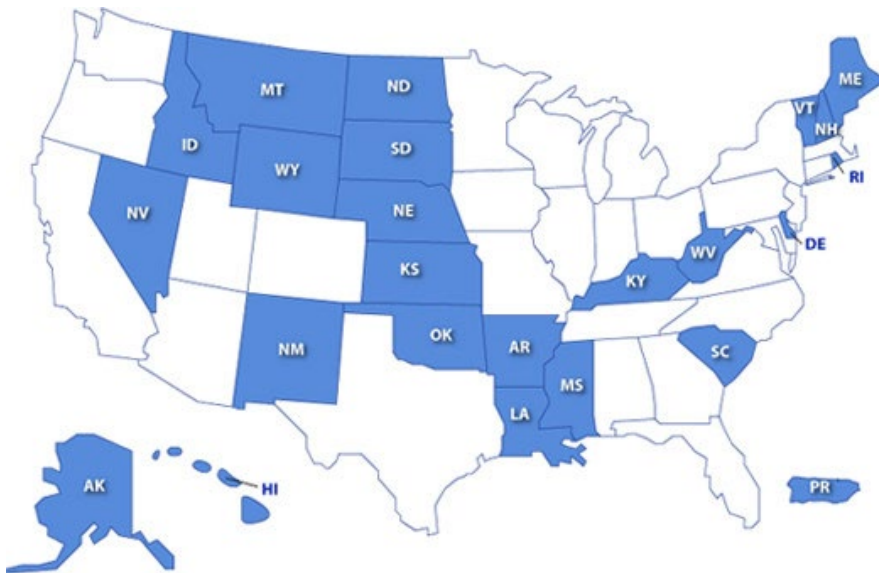




BRAIN Initiative Institutions in U.S. IDeA States

IDeA States

- States and territories that have historically received low levels of support from NIH



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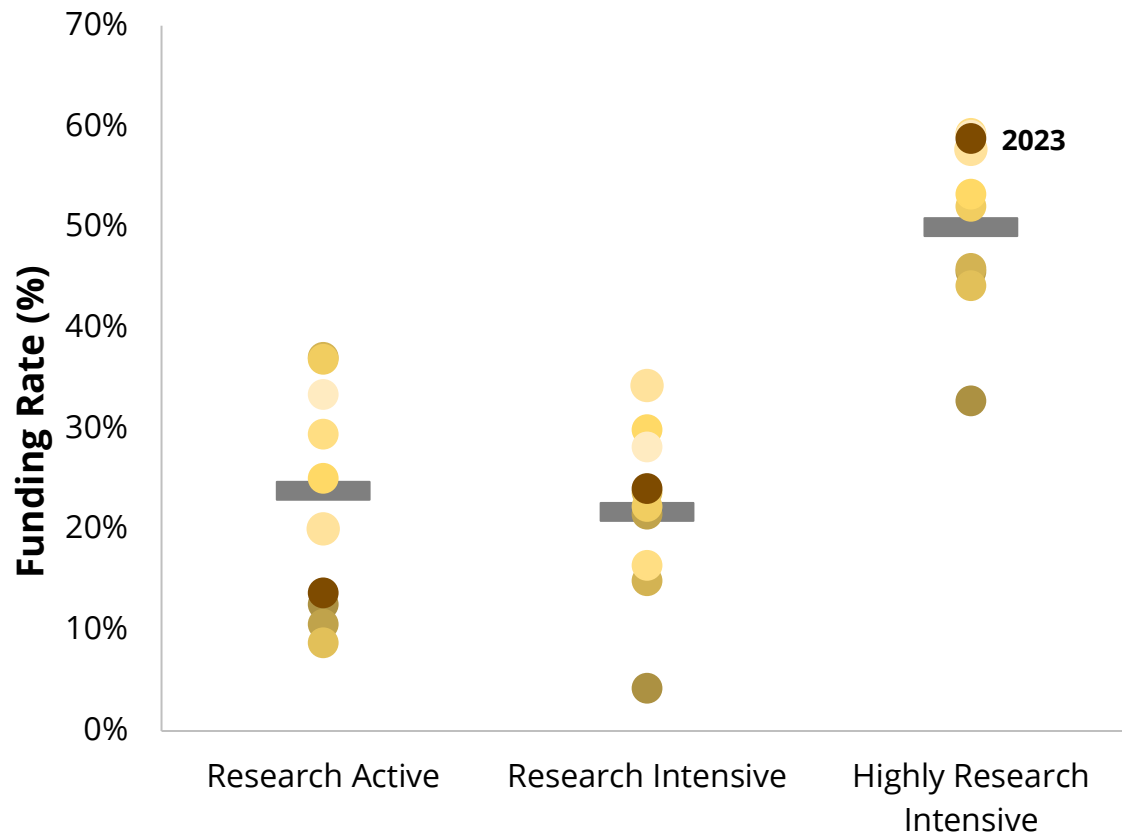
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NIH Support of BRAIN Applicant Institutions

Funding Rates by Institutional NIH Funding



Research-Active

- < \$7.5M/y NIH RPG funding

Research-Intensive

- \$7.5-20M/y NIH RPG funding

Highly Research-Intensive

- > \$20M/y NIH RPG funding

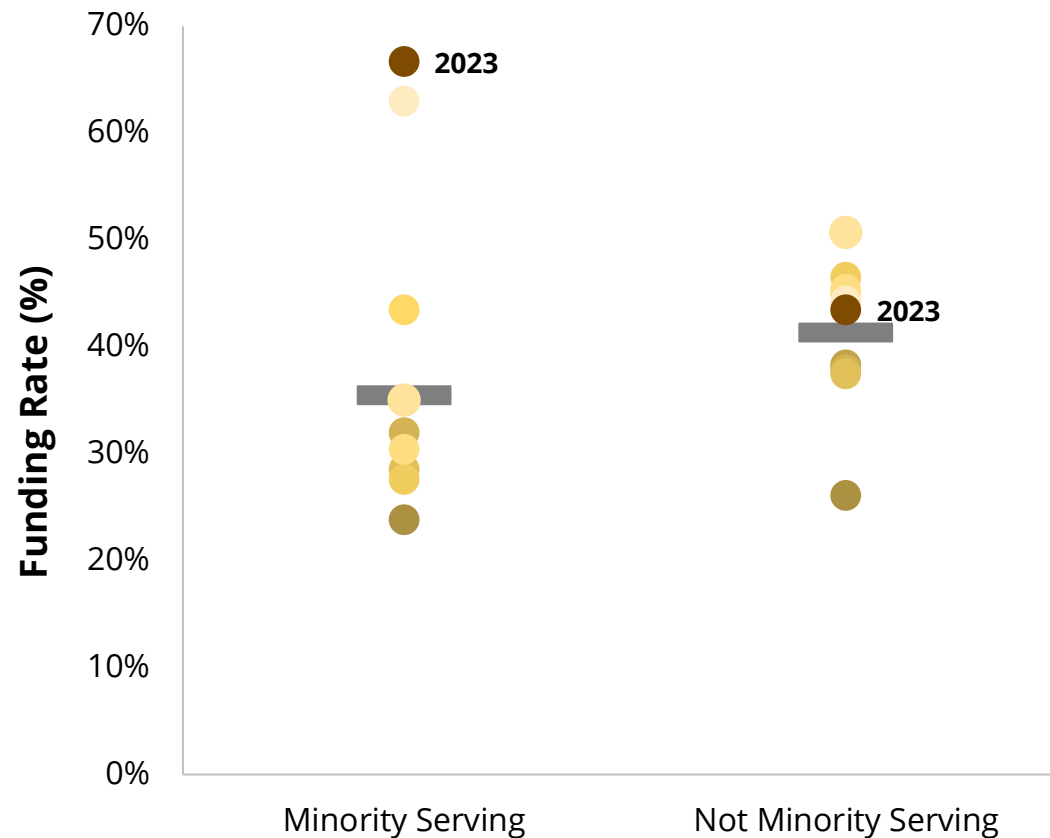


Minority Designation of BRAIN Initiative Institutions

NIH-Designated Minority-Serving Institutions

- Predominantly Black Institutions
- Historically Black Colleges & Universities
- Tribal Colleges & Universities
- Hispanic Serving Institutions
- Asian American and Pacific Islander Serving Institutions
- American Indian and Alaska Native Serving Institutions

Funding Rates by NIH Minority Designation



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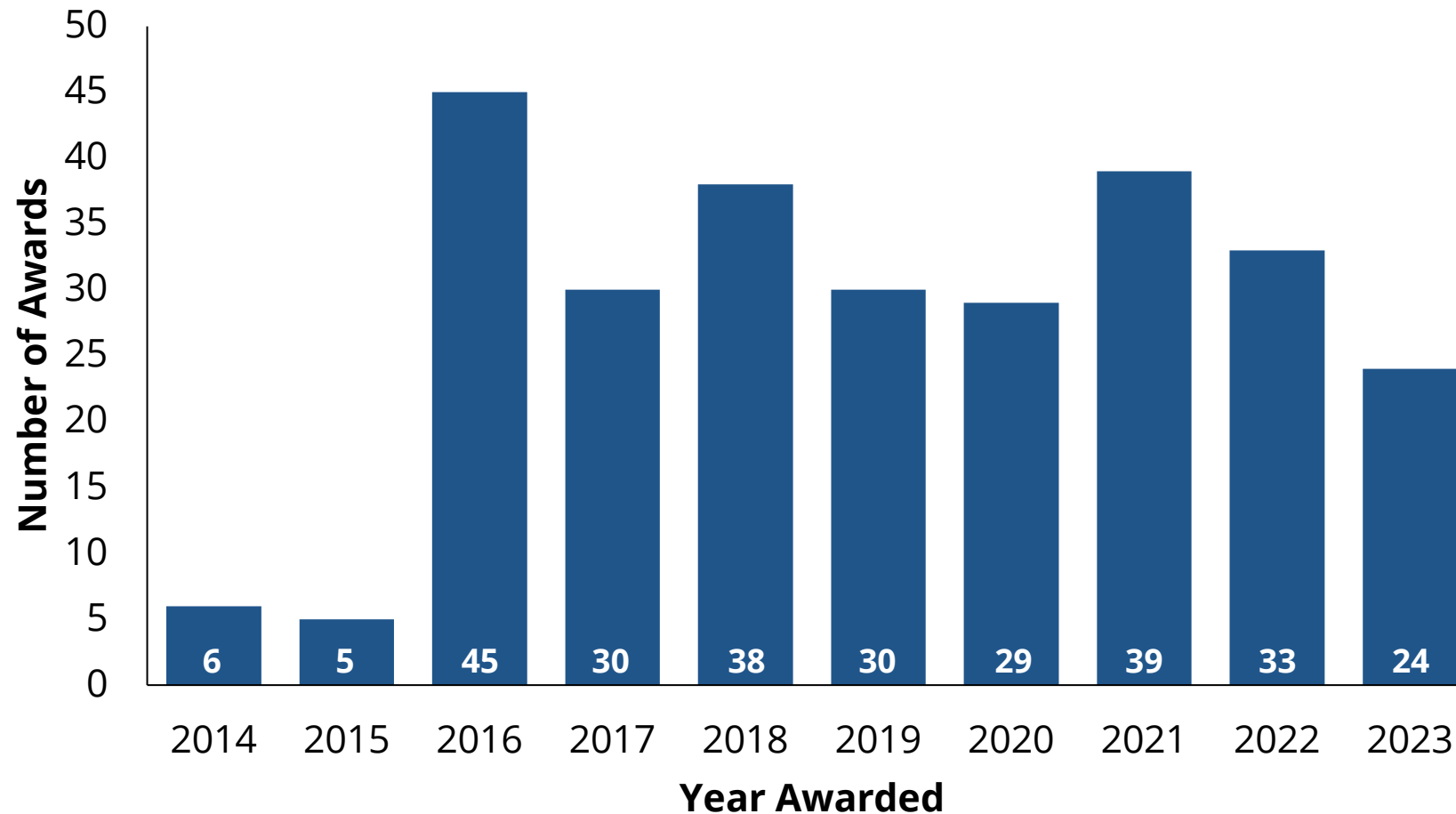
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Awards with Human Research Participants



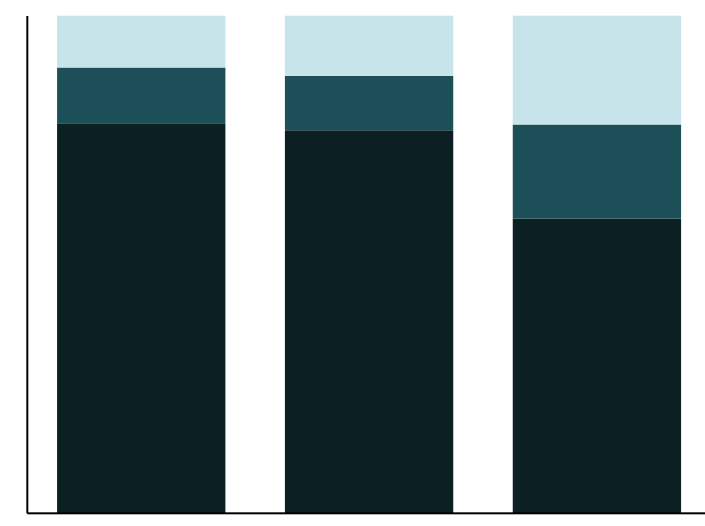
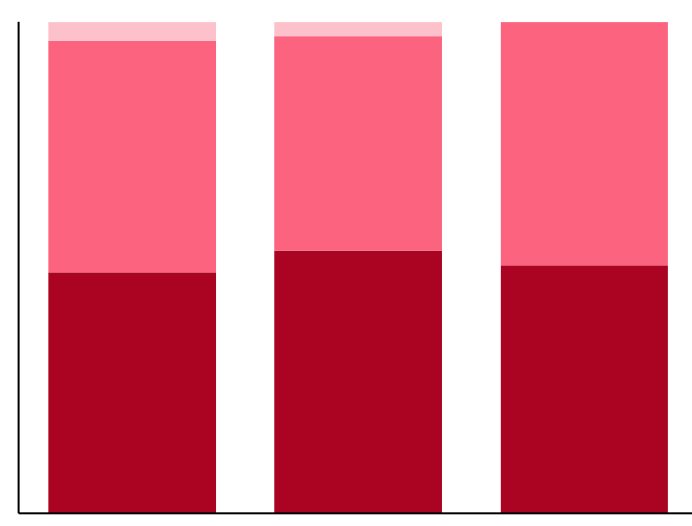
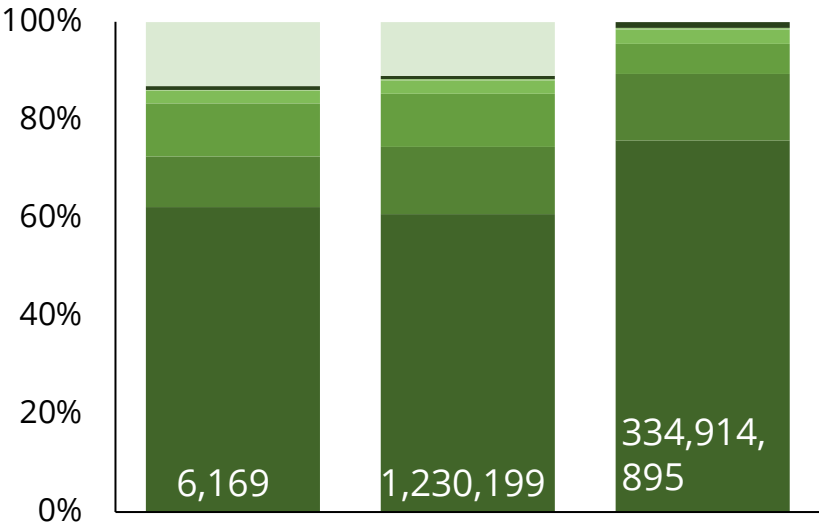


Human Research Participant Enrollment, FY 2023

Race

Gender

Ethnicity



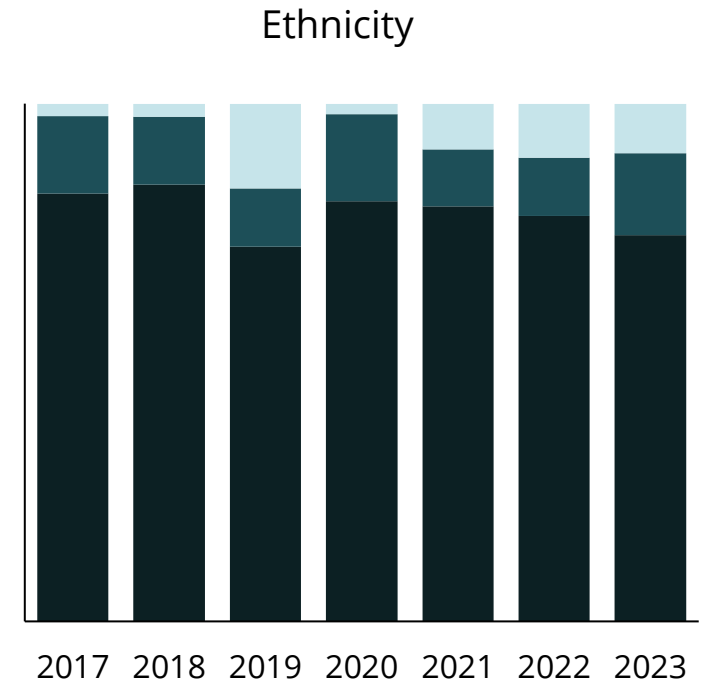
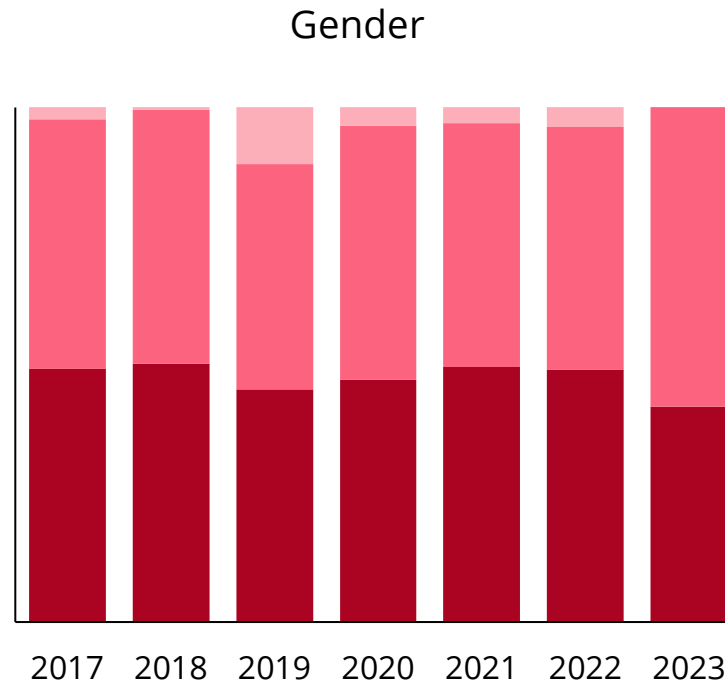
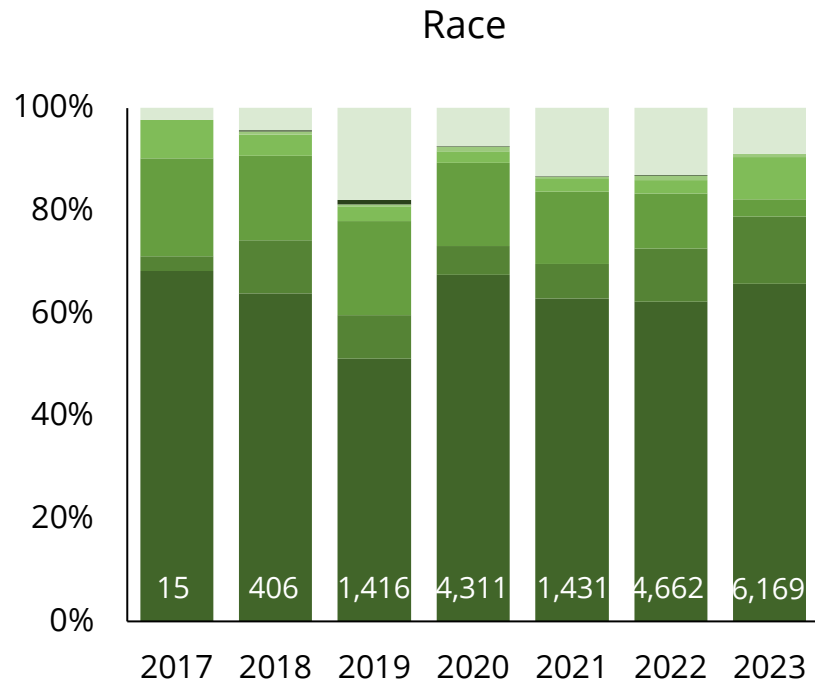
- Unknown / Not Reported Race
- American Indian / Alaska Native
- Native Hawaiian / Other Pacific Islander
- >1 Race
- Asian
- Black or African American
- White

- Unknown / Not Reported Gender
- Male
- Female

- Unknown / Not Reported Ethnicity
- Hispanic or Latino
- Not Hispanic or Latino



BRAIN Initiative Human Research Participant Enrollment by Year



- Unknown / Not Reported Race
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- American Indian / Alaska Native
- >1 Race
- Asian
- Black or African American
- White

- Female
- Male
- Unknown / Not Reported Gender

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- Not Hispanic or Latino