



NIH Office of Research on Women's Health (ORWH)

Research Supplements to Promote Re-Entry, Re-integration, Re-training and Re-tooling into Health-Related Research Careers

Xenia T. Tigno, Ph.D., M.S. (Epi)

Associate Director for Careers, ORWH

April 12, 2023



Facebook: /NIHORWH

Twitter: @NIH_ORWH

www.nih.gov/women

#ResearchForWomen

Research Supplements to Promote Re-Entry into Biomedical and Behavioral Research Careers

- First issued in 1992
 - Re-issued as: [PA-04-126](#), [PA-08-191](#), [PA-12-150](#), [PA-15-321](#), [PA-16-289](#), and [PA18-592](#).
 - *QVR data only goes back to PA-12-150.*
- Latest Reissuance: [NOT-OD-21-134](#)
- Release Date: July 23, 2021
First Available Due Date: August 26, 2021
Expiration Date: October 7, 2023

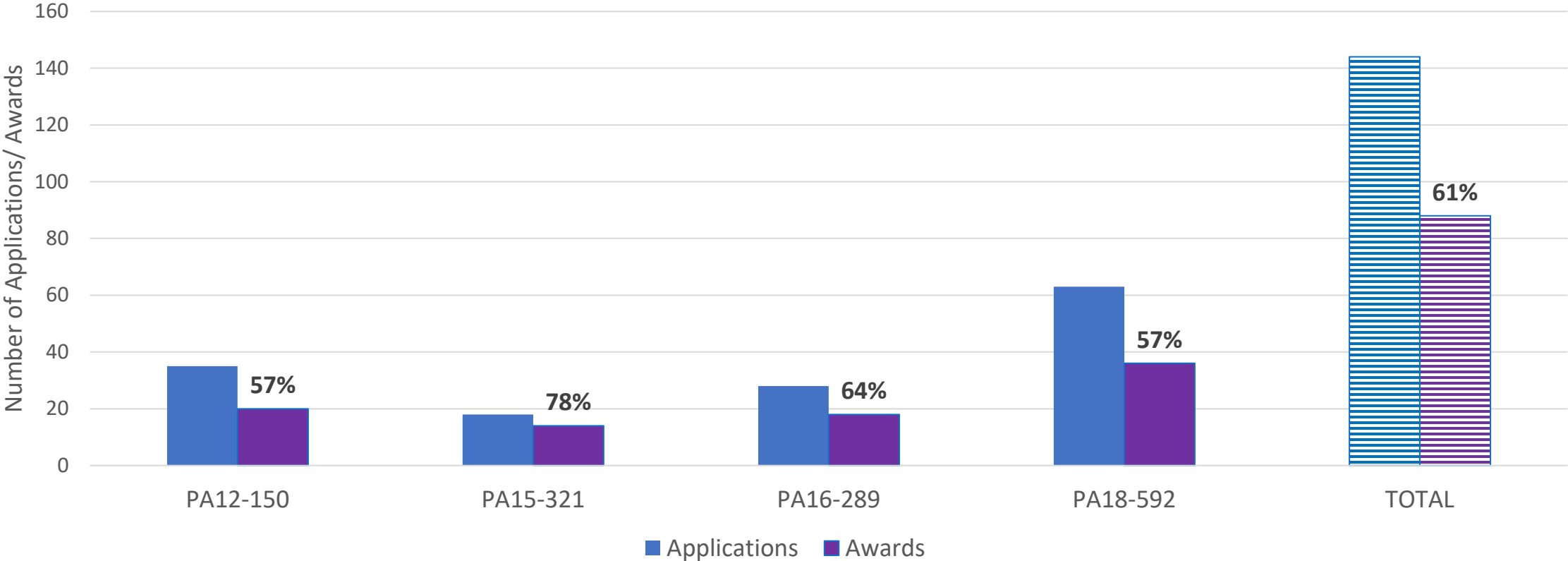
This presentation aims to present usage data of previous issuances and provide justification for the re-issuance

Research Supplements to Promote Re-Entry into Biomedical and Behavioral Research Careers

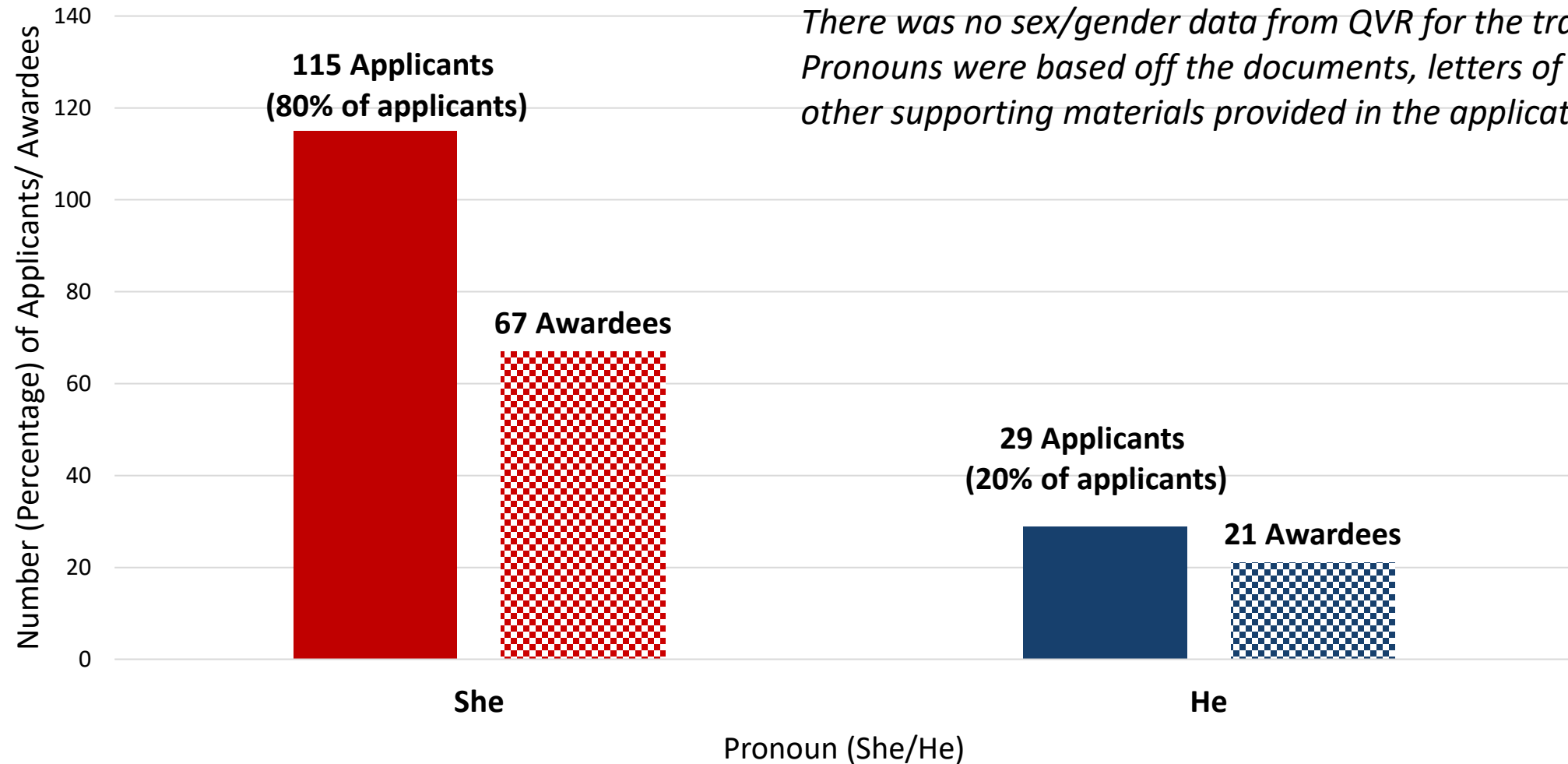
- **Penultimate issuance FOA:** PA-18-592
- **Purpose:** Support individuals with high potential to re-enter an active research career after an interruption for family responsibilities or other qualifying circumstances*.
- Encourage individuals to re-enter research careers within the missions of all the program areas of NIH.
- Provide supplements to existing NIH research grants for the purpose of supporting full-time or part-time research by these individuals to update their existing research skills and knowledge.

144 applications, 88 awards

2012-2021 Re-entry Supplement Applications vs. Awards and Success Rate by PA number

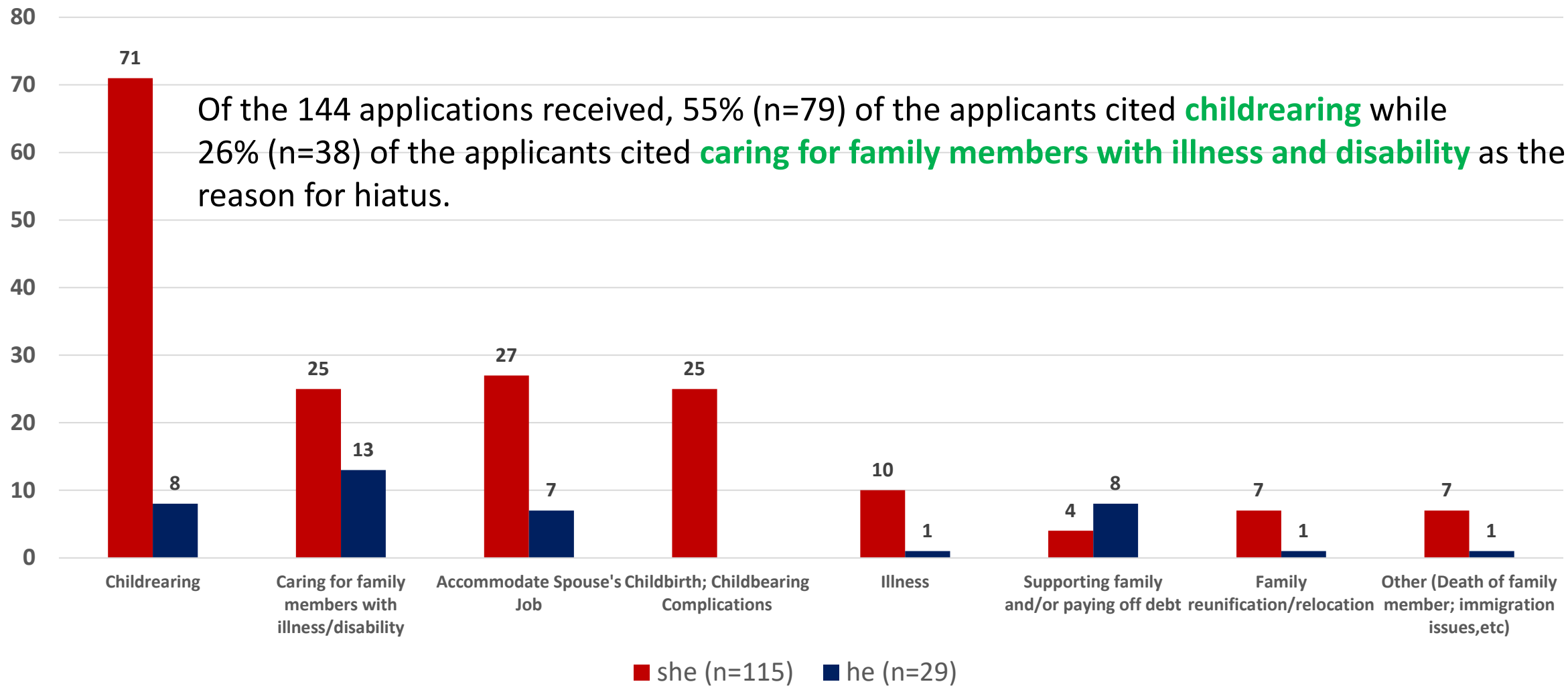


2012-2021 Re-entry Supplements Applicants and Awardees by Pronouns*



There was no sex/gender data from QVR for the trainees. Pronouns were based off the documents, letters of support, other supporting materials provided in the application.

2012-2021 Re-entry Applicants' Reason for Hiatus by Pronouns



Participating Institutes and Centers

AA - Alcohol Abuse and Alcoholism

AG - Aging

AI - Allergy and Infectious Disease

AR - Arthritis and Musculoskeletal and Skin Diseases

AT - Complementary and Integrative Health

CA - Cancer Institute

DA - Drug Abuse

DC - Deafness and other Communication Disorders

DE - Dental and Craniofacial Research

DK - Diabetes and Digestive and Kidney Diseases

EB - Biomedical Imaging and Bioengineering

ES - Environmental Health Sciences

EY - National Eye Institute

GM - General Medical Sciences

HD - Child Health and Human Development

HG –Human Genome Research Institute (NHGRI)

HL - Heart, Lung, and Blood Institute

MD –Minority Health and Health Disparities (NIMHD)

MH - Mental Health

NR –Nursing Research (NINR)

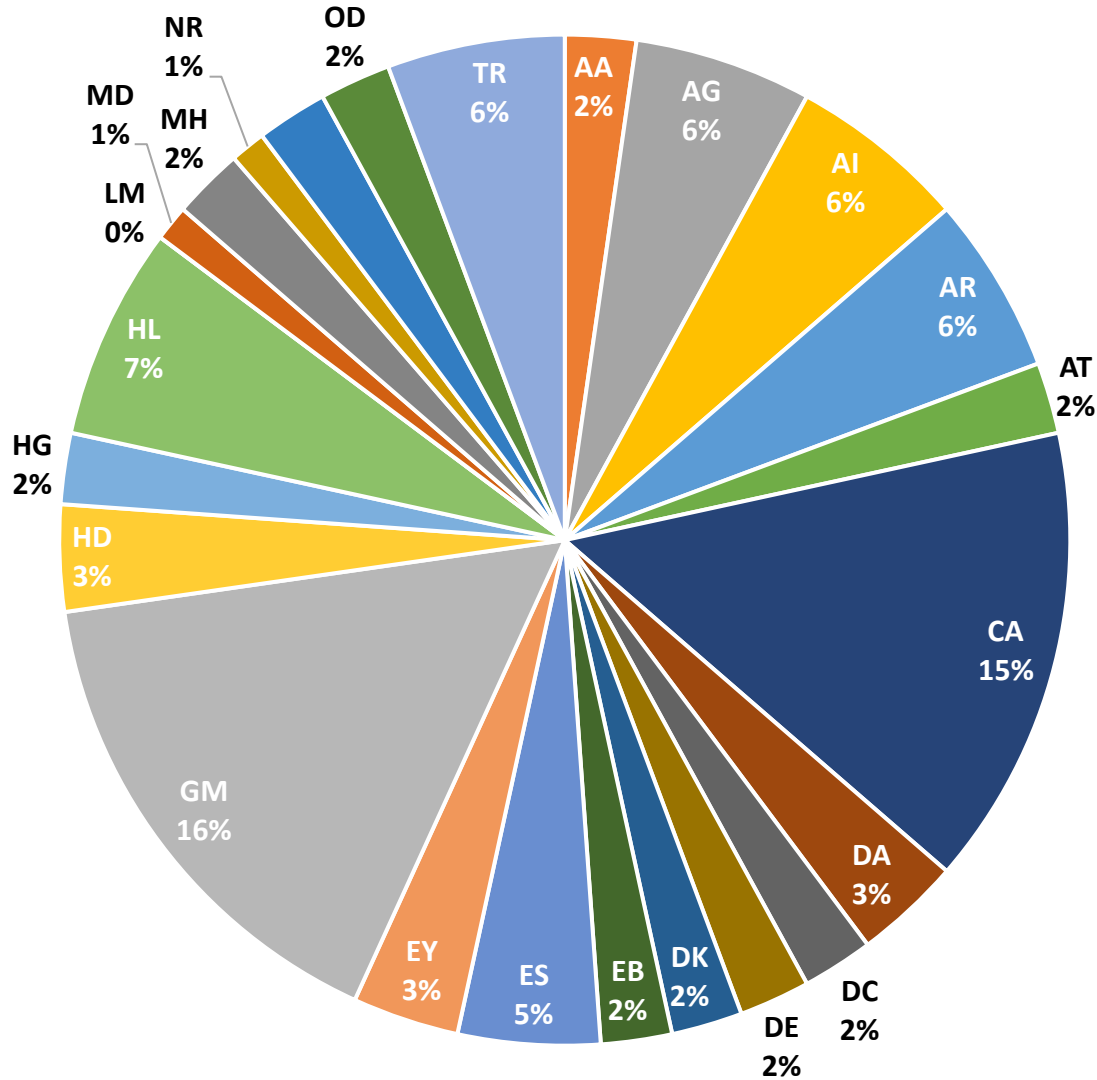
NS - Neurological Disorders and Stroke

OD – Office of the Director

TR - Center for Advancing Translational Sciences



Percent Participation by Institute/Center

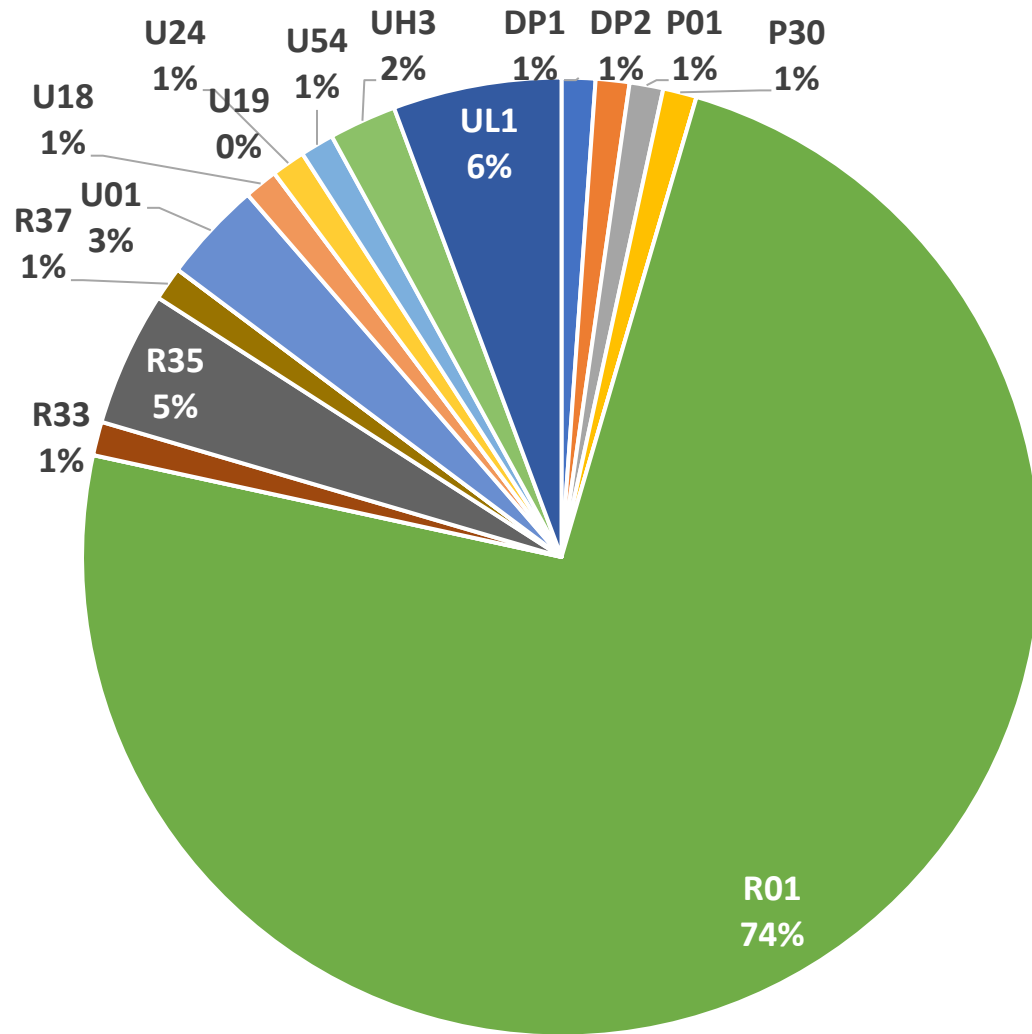


Institute or Center

- AA - Alcohol Abuse and Alcoholism
- AG - Aging
- AI - Allergy and Infectious Disease
- AR - Arthritis and Musculoskeletal and Skin Diseases
- AT - Complementary and Integrative Health
- CA - National Cancer Institute
- DA - Drug Abuse
- DC - Deafness and other Communication Disorders
- DE - Dental and Craniofacial Research
- DK - Diabetes and Digestive and Kidney Diseases
- EB - Biomedical Imaging and Bioengineering
- ES - Environmental Health Sciences
- EY - National Eye Institute
- GM - General Medical Sciences
- HD - Child Health and Human Development
- HG – National Human Genome Research Institute (NHGRI)
- HL - National Heart, Lung, and Blood Institute
- LM- National Library of Medicine
- MD – National Institute on Minority Health and Health Disparities (NIMHD)
- MH - Mental Health
- NR – National Institute of Nursing Research (NINR)
- NS - Neurological Disorders and Stroke
- OD – Office of the Director
- TR - National Center for Advancing Translational Sciences



Activity Codes (Awarded)



Activity Code	Category	Title
DP1	Institutional Training and Director Program Projects	NIH Director's Pioneer Award (NDPA)
DP2		NIH Director's New Innovator Awards
P01	Research Program Projects and Centers	Research Program Projects
P30		Center Core Grants
R01	Research Projects	Research Project
R33		Exploratory/Developmental Grants Phase II
R35		Outstanding Investigator Award
R37		Method to Extend Research in Time (MERIT) Award
RF1		Multi-Year Funded Research Project Grant
U01		Research Project--Cooperative Agreements
U18	Cooperative Agreements	Research Demonstration--Cooperative Agreements
U19		Research Program--Cooperative Agreements
U24		Resource-Related Research Projects--Cooperative Agreements
U54		Specialized Center--Cooperative Agreements
UH3		Exploratory/Developmental Cooperative Agreement Phase II
UL1		Linked Specialized Center Cooperative Agreement

Notice of Special Interest (NOSI): Research Supplements to Promote Re-Entry and Re-integration into Health-Related Research Careers (Admin Supp - Clinical Trial Not Allowed)

- **Current NOSI: NOT-OD-21-134**
- Support for a mentored research training experience for individuals with high potential to re-enter or re-integrate into an active research career, after an interruption for family responsibilities or other qualifying circumstances described below.
- The **Re-entry Supplements** program is intended to provide mentored research training opportunities for a minimum of 1 year to **re-enter** biomedical research to individuals with doctoral degrees, who have interrupted their research careers for family responsibilities or other qualifying circumstances.
- **The Re-integration Program** addresses the critical need to provide individuals, including predoctoral students, who are adversely affected by unsafe or discriminatory environments resulting from unlawful harassment, to rapidly transition into new safer, and more supportive research environments. The goal is to provide these individuals a timely and seamless continuation of their research training programs and to safely reintegrate into the biomedical workforce. Unsafe environments may consist of threatening behavior such as sexual and gender harassment; harassment based on being a member of a racial, ethnic, sexual, or gender minority group; disability-based aggression; aggressions associated with religion; and other similar circumstances.

Usage Data for NOT-OD-21-134

- **22 applications**
 - 20 Re-entry Supplements + 2 Re-integration supplements
 - **19 “She” applicants + 3 “He” applicants**
- **15 awarded:** 13 Re-entry Supplements + 2 Re-integration supplements
- **Reasons for Applying**
 - childbirth; childbearing complications (n=10)
 - accommodate spouse’s job (n=8)
 - caring for family members with illness/disability (n=8)
 - COVID-related (loss of funding, lay-off, childcare) (n=5)**
 - Own Illness (n=3)
 - hostile environment (n=2)
 - lab closure (n=1)

Re-issuance of NOT-OD-21-134 with an **additional** component

- **Re-training and Re-tooling Program:** provides **support and protected time** for an intensive, supervised, immersive experience in a laboratory, academic institution, government organization, non-profit or charitable organization, publishing, and other forms of science-related industry to early-career and mid-career scientists. The intent of the program is to **facilitate inter-disciplinary partnerships and cross-sector collaborations that would enable the scholar to acquire specialized skills and novel perspectives that would augment the chances for the advancement of their careers.**

Why is there a need for a Re-tooling/Retraining component?

- Females, Hispanic / Latinos, and Black / African American **remain underrepresented in the STEM.**
- Many **mid-career women do not advance in or drop-out of academic biomedical research** and related fields.
- The COVID-19 pandemic has produced gender-inequitable and intersectional effects on the ability of people to collaborate and network and **without action, the pandemic may lead to further isolation of women** within their fields, networks, and communities.
- Participants at the [NIH Partnership Summit: Reimagining Women in the Bioengineering, Technology, and Data Science Ecosystem](#), held in May 2022, suggested that career paths are not a straight 'pipeline' and that **partnerships across sectors can create ecosystems in which all scientists and engineers can emerge as innovators, problem-solvers, and leaders.**

- 2023 National Center for Science and Engineering Statistics [report](#)
- National Academy of Sciences' [Promising Practices for Addressing Underrepresentation of Women in Science, Engineering, and Medicine: Opening Doors](#)
- [NASEM report on The Impact of COVID-19 on the Careers of Women in Academic Sciences, Engineering, and Medicine](#)

Additional Details for the Retraining and Re-tooling Program

- **Award type:** Administrative supplements
- **Budget limits:** \$90,000/year in salary; \$50,000/year in program-related expenses
- **Expansion of Activity Codes**
- **Institutional Eligibility:** Broad institutional eligibility. NIH encourages partnering with existing NIH-funded or other federally funded resources and programs.
- **Trainee Eligibility:** Must be a citizen or non-citizen national of the United States or have been lawfully admitted for permanent residence by the time of the award. Scientists who come from diverse and underrepresented groups in the US biomedical, clinical, behavioral, and social sciences as described in NOT-OD-20-031 are always encouraged to apply.

Research Supplements to Promote **Re-training and Re-tooling** into Health-Related Research Careers

- It is envisioned that the **supplement scholar will be engaged in career development at a laboratory, institution, or organization different from their current place of employment.**
- The **training period may be as short as 3 months to as long as a year, whereby NIH will provide a stipend corresponding to the number of months spent in training.**
- The goal of the **retraining/ retooling award is to support the scholar's transition to independence in a multitude of career options,** including as research and teaching faculty, entrepreneurial, industry, science policy, science communication, intellectual property, regulatory affairs, consulting, drug discovery, approval, and production, science education, and health care, and research administration positions.

Other Candidate Eligibility Conditions

Re-entry Supplements	Re-Integration Supplements	Re-training and Re-tooling Supplements
<p>Candidates will have a doctoral degree, such as M.D., D.D.S., Ph.D., O.D., D.V.M., or equivalent.</p>	<p>Post-doctoral and predoctoral students are eligible to apply to allow them to transition to a new, safe, and supportive research environment and complete their graduate degree.</p>	<p>Candidates in all career stages beyond the postdoctoral level (at least 2 years minimum) may apply. Especially encouraged are women in mid-career positions who have never or currently are not receiving any RPG awards. Apart from scientists employed in academic institutions, other scientists with experiences in government or industry equivalent to those of post-doctoral candidates are also eligible.</p>
<p>NO CHANGE</p>	<p>NO CHANGE</p>	<p>NEW</p>

Research Supplements to Promote Re-Entry, Re-integration, **Re-training** and **Re-tooling** into Health-Related Research Careers

Re-Entry, Re-integration, Re-training, and Re-tooling Supplement Renewal

Objective: The goal of this program is to provide support for a mentored research training experience for individuals with high potential to re-enter, re-integrate into, or retrain in an active research career, after an interruption for family responsibilities, or for other qualifying circumstances as described in each of the programs.

Funds Available and Anticipated Number of Awards: The number of awards is contingent upon NIH appropriations and the submission of a sufficient number of meritorious applications.

Award Project Period: The project and budget periods must be within the currently approved project period for the existing parent award.

Council Action: Vote for support of the renewal for the Re-Entry Supplement Funding Opportunity Announcement (FOA).