

Trans-NIH Small Grants Program (R03/R21) to Stimulate Novel Analyses Using *All of Us* Research Program Data



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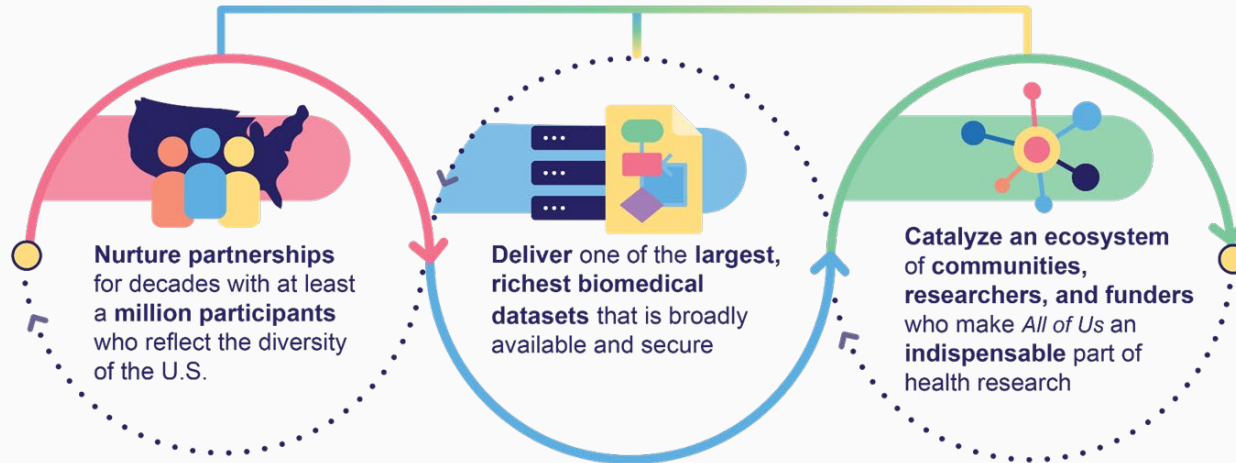
Trans-NIH Small Grants Program (R03/R21) to Stimulate Novel Analyses Using All of Us Research Program Data

- **Objectives/Purpose:** advance research in high-priority mission areas of the NIH Institutes, Centers, and Offices (ICOs) by stimulating novel analyses and tool development using *All of Us*' data. Two companion RFAs:
 - R03s to analyze data using standard tools
 - R21s to develop new tools, use them to analyze data, and make the tools available
- **Funds Available & Number of Awards:**
 - *All of Us* set-aside = \$2M FY23 + \$2M FY 24; 10 awards
 - *ICOs will also use their own funds to make awards beyond what *All of Us* provides
- **Award Project Period:** 2 years
- **Council Action:** Council motion and vote to provide concept clearance to issue these two RFAs

Background

Our Mission

Accelerate health research and medical breakthroughs,
enabling individualized prevention, treatment, and care for all of us



Made possible by a team that maintains a culture built around the program's core values

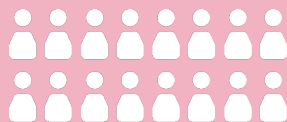
One of the largest, richest, most diverse biomedical datasets of its kind

Inviting

1 Million or more people
across the
United States



Data in the Researcher Workbench



372,000+
Participants

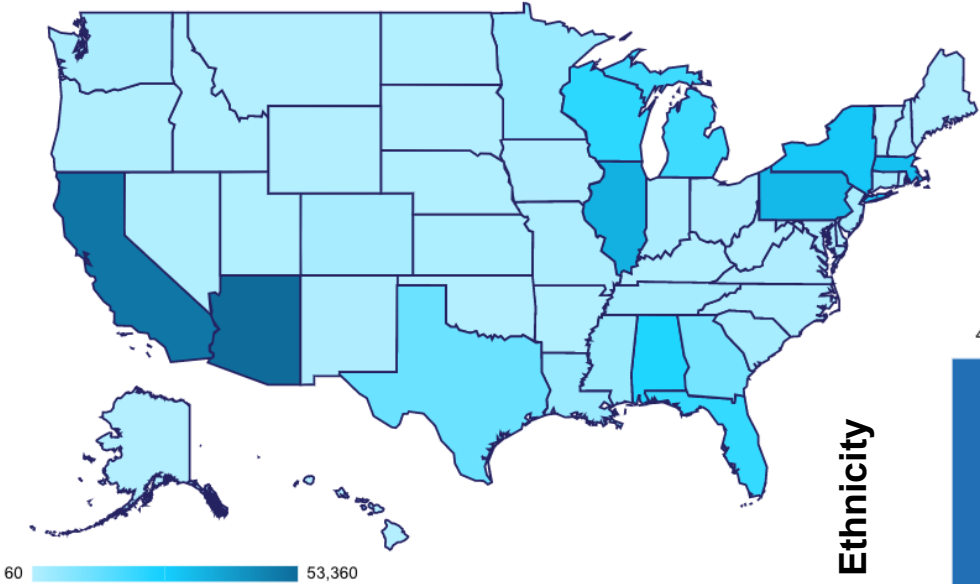


80%

are from
underrepresented
communities

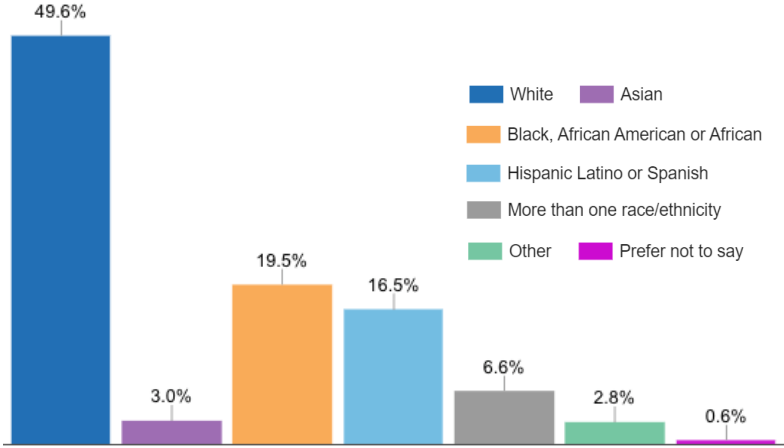
50% are racial and
ethnic minorities

Commitment to *All of Us* Participant Diversity

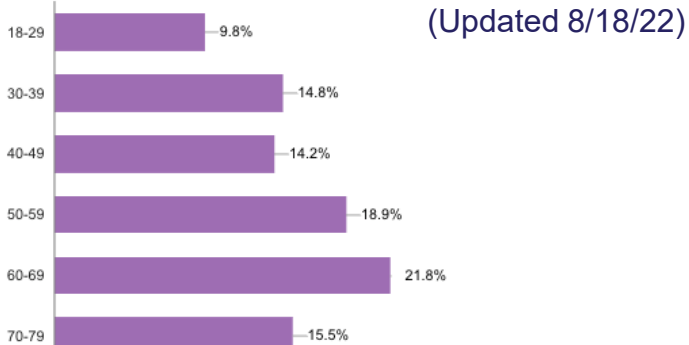


About 80% of *All of Us* participants are underrepresented in biomedical research

Race and Ethnicity



Age



Data Available in the Researcher Workbench



372,000+
Survey Responses



306,000+
Physical
Measurements



258,000+
Electronic Health
Records (EHR)



165,200
Genotyping
Arrays



98,600
Whole Genome
Sequences



12,800+
Fitbit
Records

Small Grants Program

A Trans-NIH Effort

- December 2021: the *All of Us* Trans-NIH Liaisons Coordinating Team (LCT), which has members from 29 ICOs, recommended that the program facilitate the analysis of its data using a 2-pronged approach
 - provide administrative supplements to existing awards
 - solicit new grant applications.
- A group of 22 IC Directors enthusiastically endorsed this approach and the strategy described in this slide deck
- FY22 – implement phase 1
 - 29 ICOs signed onto a NOSI for administrative supplements to analyze *All of Us* data
 - 23 supplements awarded across 15 ICOs
 - used funds from *All of Us* and the ICOs
- FY23 – implement phase 2
 - stimulate new grant applications to analyze data, develop new analytical tools, and make the tools broadly available.

Concept for Small Grants Program (Phase 2)

- Funding
 - *All of Us* set-aside = \$2M FY23 + \$2M FY 24; 10 awards
 - *ICOs will also use their own funds to make awards beyond what *All of Us* provides
- 2 companion RFAs
 - R03 RFA: to analyze data in the *All of Us* Researcher Workbench, using standard tools and methods
 - Anticipated budget: \$320K total costs/award over two fiscal years
 - As of 8/17/22, 15 ICOs expressed interest to sign on
 - R21 RFA: to develop new methods, models, and tools; use them to analyze data in the Researcher Workbench; and make them broadly available
 - Anticipated award budget: = \$440K total costs/award over two fiscal years
 - As of 8/17/22, 18 ICOs expressed interest to sign on

Discussion

Concept Clearance

Vote for approval of the concept for “Trans-NIH Small Grants Program (R03/R21) to Stimulate Novel Analyses Using *All of Us* Research Program Data”