

What is the *All of Us* Research Program?

The mission of the *All of Us* Research Program is to accelerate health research and medical breakthroughs, enabling individualized prevention, treatment, and care for all of us. We will do this by partnering with one million or more people across the United States to provide the most diverse biomedical data resource in history. *All of Us* will make this resource available to all researchers, enabling them to gain better insights into the biological, environmental, and behavioral factors that—separately and combined—influence health and disease.

The greatest opportunities of *All of Us*, and the greatest challenges, are to reflect the rich diversity of the U.S. and to integrate a broad set of data types. By doing so, researchers will gain a greater understanding of the individual differences that affect health.

The National Institutes of Health (NIH) is the federal agency charged with building the *All of Us* Research Program.

What is Precision Medicine?

Precision medicine is an emerging approach for disease treatment and prevention that considers variability in lifestyle, environment, and biological makeup. This represents a radical shift in health care.

Participants as Partners

Participants who choose to join *All of Us* will be asked to complete surveys and share data from their electronic health records. Some participants may be asked to visit a local partner site to provide physical measurements and blood and urine samples. Participants will be asked to remain in *All of Us* and continue to share data about themselves over many years. Participants will have access to all of their health data and information about studies that use *All of Us* data.

Scientific Opportunities

All of Us will not focus on a specific disease. Rather, it will be a national data resource to inform many research studies on a wide variety of health conditions. The data provided by one million participants will provide opportunities for researchers—including academics and citizen scientists—who want to understand how and why different people experience certain diseases and conditions while others do not, and why many people respond differently to treatments and prevention methods.

***All of Us* Core Values**

Participation in the *All of Us* Research Program will be open to interested individuals.

The program will reflect the rich diversity of America.

Participants will be partners in the program.

Trust will be earned through robust engagement and full transparency.

Participants will have access to information and data about themselves.

Data from the program will be broadly accessible to empower research.

The program will adhere to the Precision Medicine Initiative (PMI) Privacy and Trust Principles and the PMI Data Security Policy Principles and Framework.

The program will be a catalyst for innovative research programs and policies.

The resource may help researchers:

- Develop estimates of risk for a range of diseases by studying environmental exposures, lifestyle differences, and biological factors, including genetics
- Identify the causes of individual differences in response to commonly used medications
- Discover biological markers that signal increased or decreased risk of developing common diseases
- Develop solutions to health disparities among different communities
- Use mobile health technologies to help uncover how activity, physiological measures, and environmental exposures affect health
- Empower study participants with data and information to improve their own health

Program Components

NIH made an initial set of funding awards to establish the program's infrastructure. Additional awardees may come on board in the future, including community engagement partners.



18

Program Launch and Beyond

The *All of Us* Research Program will launch in phases, starting small to allow the program team to pilot, iterate, and scale the technology and program as needed to improve the participant experience and to ensure that the data is useful to researchers. Beta testing began in Spring 2017, once all technology systems and partner sites are ready, and continue into Fall 2017. When testing is complete, the program will launch nationally.

For more information, visit <https://www.nih.gov/allofus-research-program>.