

All of Us Research Program

May 22, 2023

The *All of Us* Research Program

- The cornerstone of the larger PMI – led by the NIH.
- One million or more volunteers, reflecting the broad diversity of people who live in the U.S.
- Volunteers key to success as they will provide information on their own unique health on an ongoing basis.
- This information will benefit thousands of research studies throughout the nation.



Opportunities for communities that historically have not been represented in biomedical research studies

Who Can Participate?

- ❖ People 18 years old or older.
- ❖ People who live anywhere in the U.S.
- ❖ People of every race, ethnicity, sex, gender, and sexual orientation.
- ❖ Participants can be healthy or can have a long-term health issue.
- ❖ Participants don't have to speak English to join. Enrollment materials in Spanish and advisors will help Spanish-speaking volunteers.
- ❖ No health insurance is required.



What might participants be asked to do?



Enroll, Consent and Authorize EHR

- Recruiting 18+ years old initially; plan to include children later
- Online, interactive consent
- Includes authorization to share Electronic Health Record (EHR) data
- Consent to get DNA Results



Answering Surveys

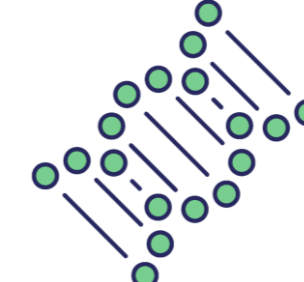
- Six initial surveys: The Basics, Overall Health, Lifestyle, Health Care Access & Utilization, Family Medical History, Personal Health History, Social Determinants of Health
- Additional surveys will be released on an ongoing basis.



Physical Measurements*

- Blood pressure
- Heart rate
- Height
- Weight
- BMI
- Hip circumference
- Waist circumference

**Based on diverse sampling and capacity*



Provide Biosamples*

- Blood (or saliva, if blood draw is unsuccessful)
- Urine specimen
- Biosamples will be stored at the program's biobank

**Based on diverse sampling and capacity*



Wearables and Digital Apps

- Share data from wearable fitness devices, starting with Fitbit
- More integrations under development

How to join - Roadmap



Learn about the program.



Have physical measurements taken



Talk with family, friends, or health care provider about your interest in joining.



Give blood and urine samples.



Decide to join the *All of Us* Research Program, enroll, and give your consent.



Update your health and lifestyle information from time to time.



Agree to share your electronic health records.



If eligible, take part in new research projects.



Answer health-related questions.



Participants may not, if they withdraw, have access to the data they give to the program.

Pilots in development: complete EHR data, health applications, wearable devices that track physical activity and genetic return of results.

What information will we share with you?

We expect to share information about:



**Your ancestry
(where your family
comes from)**



**Your traits, such as
why you might love
or hate cilantro**



**Whether you may
have an increased
risk of developing a
particular health
condition**



**How your body
might react to
certain medications**



**Other
health-related
information**

We plan to use many different methods to check your DNA for information. You may get some DNA results sooner than others.

It will take some time to get your DNA results. Some participants may not get their DNA information for a few years.

What Participants Receive

Join Now!



You have the power to drive health research.

Without you, it won't be *All of Us*.

Sign in

 English

Email Address Or Phone Number

example@email.com or 4105678888

Password

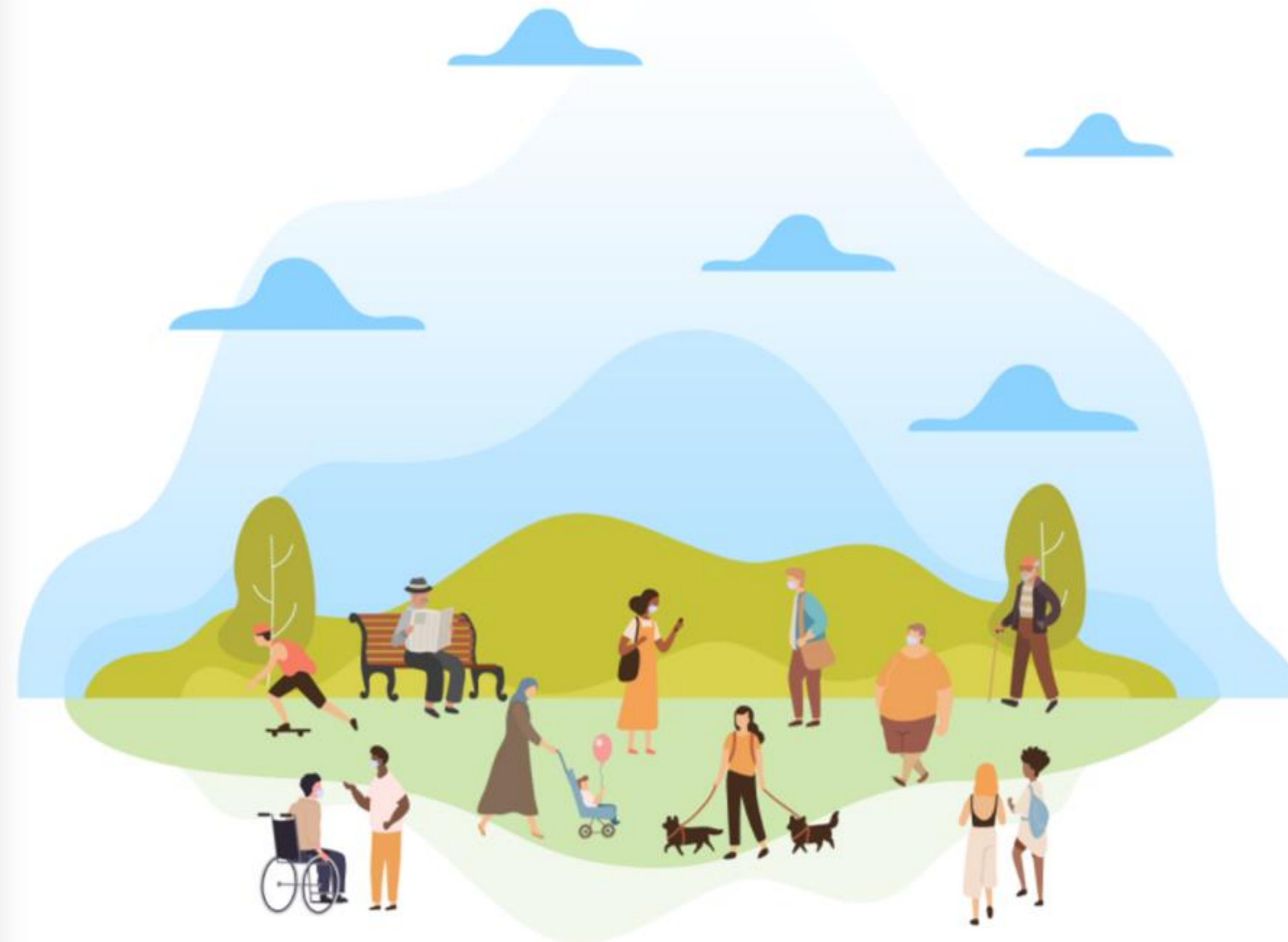
 Show

[Forgot Password](#)

Sign In

[New user? Create an account. →](#)

Your security is important to us. We use technology to encrypt, safeguard and secure your personal information. Please view our [privacy policy](#). By signing in, you agree to our [Terms](#) and that you have read our [Privacy Policy](#).



Scan code to access the website on your phone or visit:
joinallofus.org/juntos

Use this QR code in cities with HPO

All of Us Journey & Tour in Nebraska – Summer 2023

- **June 26-29** TBD; Looking for lead community partner
- **July 3-7** Columbus, NE (Pending)
- **July 10-13** Lincoln, NE (Lead: El Centro De Las Americas)
- **July 17-20** Grand Island, NE (Lead: Multicultural Center for Development Education and Sport)
- **July 24-27** South Omaha, NE (Lead: Latino Center of Midlands)
- **July 29** South Omaha, NE @ One World's Vive Tu Vida / Get Up Get Moving Event
- **July 31-August 3** TBD; Possibly Kearney

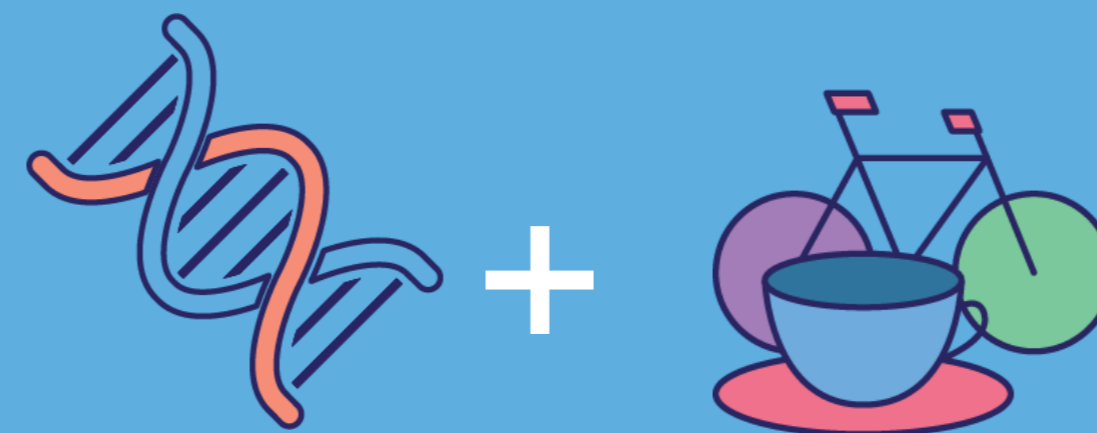
OPEN Monday-Thursday from 10am-4pm
Staffed with bilingual personnel

Enabling research discoveries that drive more precise approaches to care

Engages **people & communities who have been left out of medical research** in the past



Combines **biological factors and social determinants** on a large, inclusive scale



Easily accessible to any researcher with a secure internet connection and data use agreement



Follows participants as they move, age, and grow



By securely capturing a range of different data types

The *All of Us* Research Program’s Data and Research Center (DRC) curates a range of different data types as part of the data collection process.



413,350+
Survey Responses



337,500+
Physical Measurements



312,900+
Genotyping Arrays



287,000+
Electronic Health Records



245,350+
Whole Genome Sequences (WGS)



15,600+
Fitbit Records
NEW! Sleep Data



11,350+
Structural Variants
NEW! In 2023



1,000+
Long-Read Sequences
NEW! In 2023

All of Us Research: How It Works



Tiered access levels enable discovery



Available to
anyone

Public Tier

Anyone can visit ResearchAllofUs.org (the *All of Us* Research Hub) to learn more about the data available for research and explore aggregated participant data and summary statistics, with participant identifiers removed. Public resources include:

- **Data Snapshots:** Aggregated, public-facing overviews of participant characteristics and data types
- **Data Browser:** Interactive preview into the *All of Us* dataset through public-facing aggregate data
 - Currently includes participant-provided survey responses, physical measurements, data from EHRs and wearables, and genomic data
- **Survey Explorer:** Details the questions included in each of the surveys
- **Research Projects Directory:** Descriptions of each research project within the Researcher Workbench

RESEARCHER WORKBENCH



Available to
registered
researchers

Registered Tier

Registered researchers can access in-depth data and a variety of research tools to conduct a wide range of studies.



Surveys



Electronic
Health Records



Physical
Measurements



Wearables

Data have been processed to protect participant privacy

Controlled Tier

Registered researchers with amended institutional agreements can access all of the data in the Registered Tier plus additional and expanded data types, including genomic data, real dates of health events, ICD codes, granular demographic data, and more.



Genomics



Health and
Lifestyle surveys

Create an *All of Us* account

Register to be an *All of Us* Researcher

STEP
1

LEARN MORE ABOUT THE
DATA AVAILABLE

STEP
2

CHECK FOR YOUR
INSTITUTION'S AGREEMENT

STEP
3

REGISTER AS A RESEARCHER

STEP
4

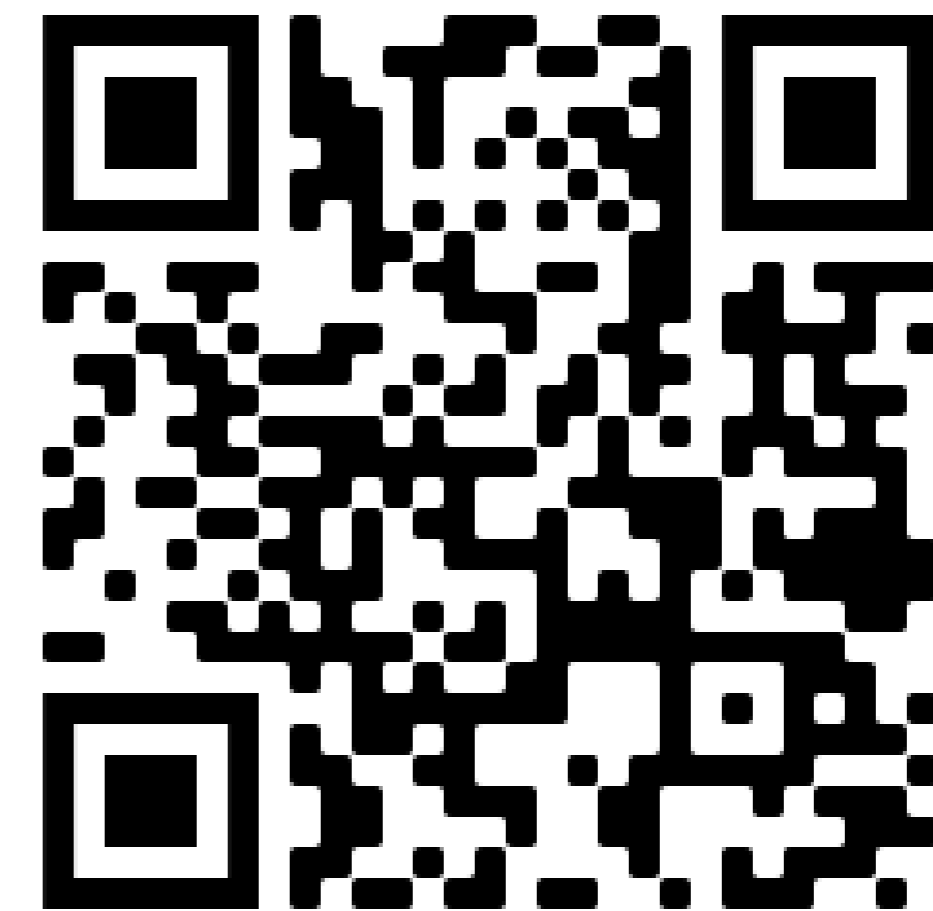
VERIFY YOUR IDENTITY

STEP
5

COMPLETE *ALL OF US*
RESPONSIBLE CONDUCT OF
RESEARCH TRAINING

STEP
6

SIGN DATA USER CODE OF
CONDUCT



ResearchAllofUs.org/User

And stay in touch to learn more

Subscribe to Research Roundup

Stay up to date on the latest news
and insights from the *All of Us*
Research Hub through our
bimonthly email newsletter.



allof-us.org/RRSignup

All of Us Consortium Members *(beyond community partners, as of April 2023)*

The Participant Center



Communications & Engagement



HPO Network

(Health Care Provider Organizations)

HPO Lite



RMCs

All of Us California

UC San Diego Health

UCI Health



Keck School of Medicine of USC

Illinois Precision Medicine Consortium

Northwestern Medicine



UI Health



All of Us New England

Mass General Brigham



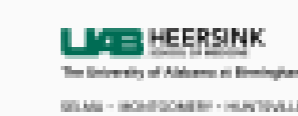
Trans America Consortium



New York City Consortium



All of Us Southern Network



All of Us Southeast Enrollment Center



All of Us Puerto Rico



All of Us Wisconsin



All of Us Pennsylvania



University of Arizona and Banner Health



FQHCs (Federally Qualified Health Centers)



VA Medical Centers



Nutrition for Precision Health (NPH)



Participant Technology Systems Center (PTSC)



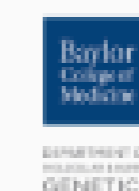
Biobank



Data & Research Center (DRC)



Genomics Partners



Questions?



Athena Ramos, PhD, MBA, MS, CPM

Center for Reducing Health Disparities

Department of Health Promotion

College of Public Health

Office: (402) 559-2095

Email: aramos@unmc.edu