

AAPA- PAEA Research Fellowship



Exploring the *All of Us* Research Hub



August 12, 2021

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NIH's *All of Us* Research Program

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All of Us Data and Research Center



Goals of Today's Presentation

- Share the mission and objectives of the *All of Us* Research Program
- Offer AAPA-PAEA Research Fellows an opportunity to learn more about the *All of Us* Research Hub and how to access data, tools, and surveys

All of Us Research Program Overview

Thank you to our participants and community partners!



All of Us Community and Provider Partner Network (as of Jan 2021)



Thank you to our consortium partners!

The Participant Center



Communications & Engagement

WONDROS



HPO Network (Health Care Provider Organizations)

RMCs

All of Us California



All of Us Wisconsin



Illinois Precision Medicine Consortium



All of Us New England



All of Us Pennsylvania



Trans America Consortium



University of Arizona and Banner Health



New York City Consortium



FQHCs (Federally Qualified Health Centers)



All of Us Southern Network



Selma Family Medicine



Montgomery Regional Medical Campus



THE UNIVERSITY OF ALABAMA*



All of Us SouthEast Enrollment Center

UNIVERSITY OF MIAMI MILLER SCHOOL of MEDICINE



VA Medical Centers



Participant Technology Systems Center (PTSC)



Biobank



Data & Research Center (DRC)



Genomics Partners



The *All of Us* Research Program: An Innovative Research Effort

- **Diversity at the scale of 1 million people or more**
- **Focus on participants as partners**
- **Longitudinal design, ability to recontact**
- **Multiple data types:** EHR, surveys, baseline physical measurements, biospecimens, genomics
- **National, open resource for all:** broadly accessible to all researchers with open-source software & tools
- **Security and privacy safeguards** for all participant data



The *All of Us* Research Program: Our Mission

Nurture relationships

with one million or more participant partners, from all walks of life, for decades



Catalyze the robust ecosystem

of researchers and funders hungry to use and support it



Our Mission

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



Deliver the largest, richest biomedical dataset ever

that is easy, safe, and free to access



Build and maintain a strong *All of Us* Team

capable of achieving the program's mission

Building a Diverse *All of Us* Researcher Cohort

- ⦿ Creating a demographically diverse researcher cohort: promote responsible and ethical use of our data, return value to our participant communities, and accelerate research impact.
- ⦿ Encouraging student assemblies and early-stage investigators: bring fresh, creative perspectives & innovative research outcomes.
- ⦿ Ensuring access for researchers from various institutions/organizations: establish a truly equitable resource for all.

How will *All of Us* lead to discoveries?

Participants Share Data

Participants share health data online. This data includes health surveys and electronic health records. Participants also may be asked to share physical measurements and blood and urine samples.

Researchers Study Data

In the future, approved researchers will use this data to conduct studies. By finding patterns in the data, they may make the next big medical breakthroughs.

Researchers Share Discoveries

Research may help in many ways. It may help find the best ways for people to stay healthy. It may also help create better tests and find the treatments that will work best for different people.



Data Is Protected

Personal information, like your name, address, and other things that easily identify participants will be removed from all data. Samples—also without any names on them—are stored in a secure biobank.

Participants Get Information

Participants will get information back about the data they provide, which may help them learn more about their health.

Current *All of Us* Protocol



Enroll, Consent and Authorize EHR

Recruiting 18+ years old initially; plan to include children in future

Online, interactive consent

Includes authorization to share EHR data



Answering Surveys

Initial surveys:

- The Basics
- Overall Health
- Lifestyle
- Health Care Access & Utilization
- Family Medical History
- Personal Health History

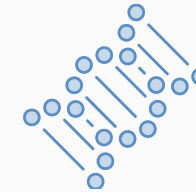
Additional surveys will be released on an ongoing basis.



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

Coming soon:
Integrated apps to track mood & cardio-respiratory fitness

All of Us Scientific Framework

***All of Us* can enable research that will:**

- Increase wellness and resilience, and promote healthy living
- Reduce health disparities and improve health equity in populations that are historically underrepresented in biomedical research (UBR)
- Develop improved risk assessment and prevention strategies to preempt disease
- Provide earlier and more accurate diagnosis to decrease illness burden
- Improve health outcomes and reduce disease impact through improved treatment and development of precision interventions

How will *All of Us* lead to discoveries?

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- Improve health outcomes and reduce disease impact through improved treatment and development of precision interventions

Example Use Case: Blood Pressure



Health Equity

What is the impact of economic stability on rates of screening, likelihood of receiving treatment, and blood pressure levels?



Risk & Prevention

How do age-related changes in blood pressure in children and young adults impact the development of hypertension and hypertension-related conditions in adulthood?



Diagnosis

Does ambulatory blood pressure monitoring (ABPM) or home blood pressure monitoring (HBPM) provide a more accurate estimate of cardiovascular risk?



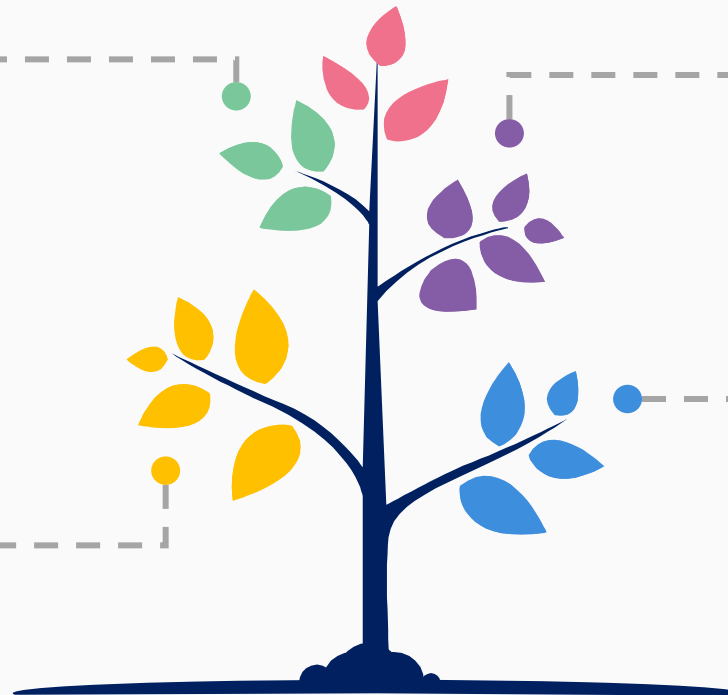
Wellness & Resilience

What genomic, environmental, and lifestyle factors underlie the different patterns in age-related trajectories of blood pressure, thereby increasing or reducing the risk of high blood pressure?



Treatment & Outcomes

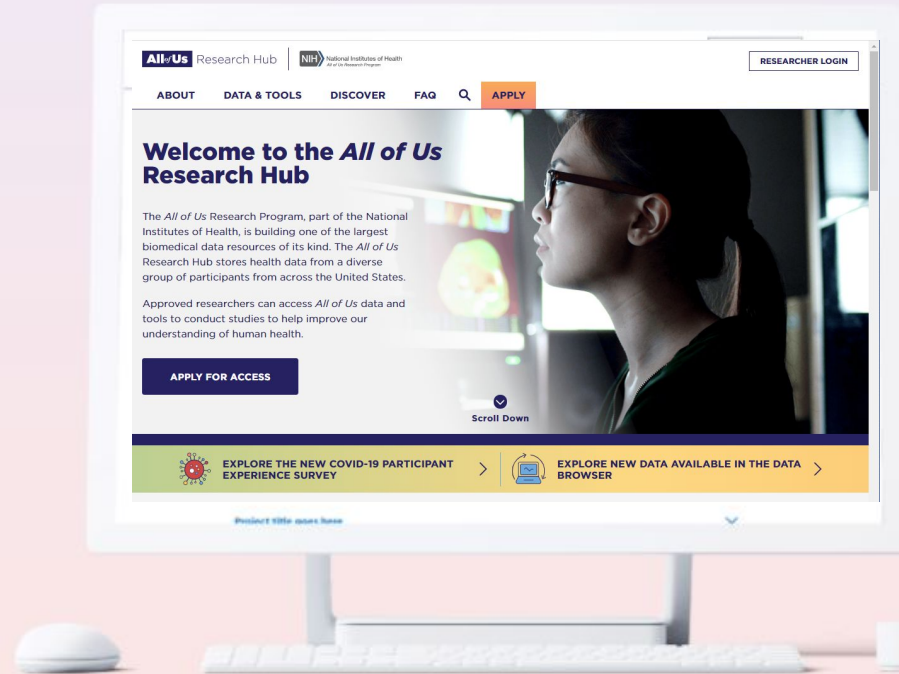
What are effective and scalable community-based interventions to improve blood pressure levels, medication prescription and medication fill rates?





All of Us Research Hub

The *All of Us* Research Hub



Learn. Discover. Connect.

<https://www.researchallofus.org/>

All of Us Research Data Pipeline

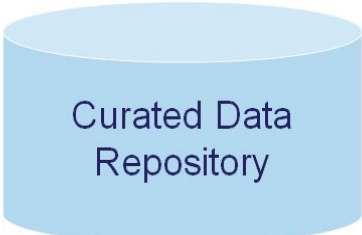
Data Collection from Consented Research Participants



Data Curation



Data Harmonization
Privacy Methodology
QA/QC



Research Hub



Data Access through secure Google-Cloud-based platform

Coming later

Principles of Access & Privacy: “Share Widely and Wisely”

Broad and Open Access



A data resource for *All of Us*
(*Academic Researchers and*
Community Scientists)

Removal of unnecessary barriers
to access

Commitment to Protecting Privacy

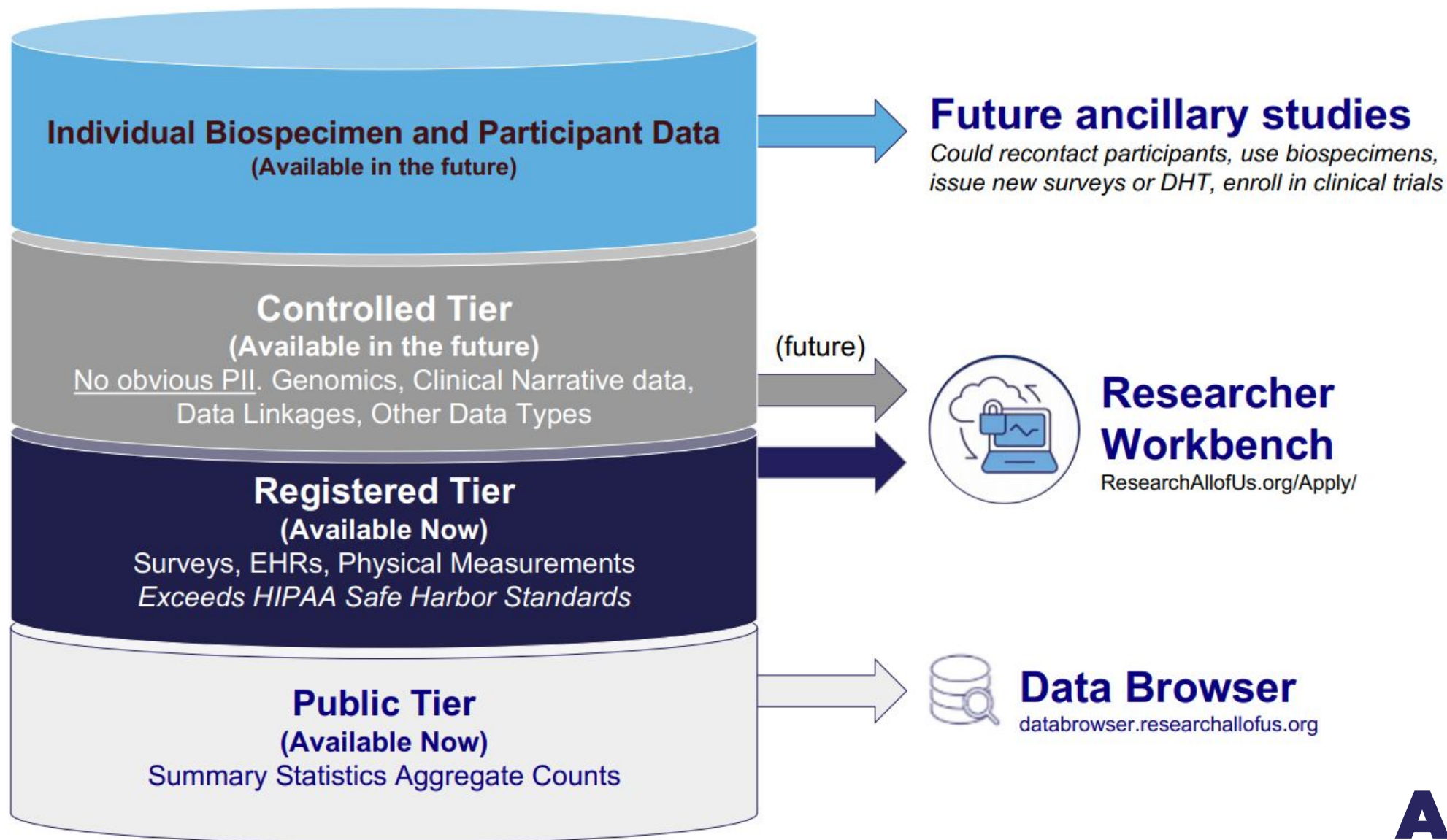


Privacy first, privacy always

Strive to build a system that
participants can trust



Data and resource access is tiered.



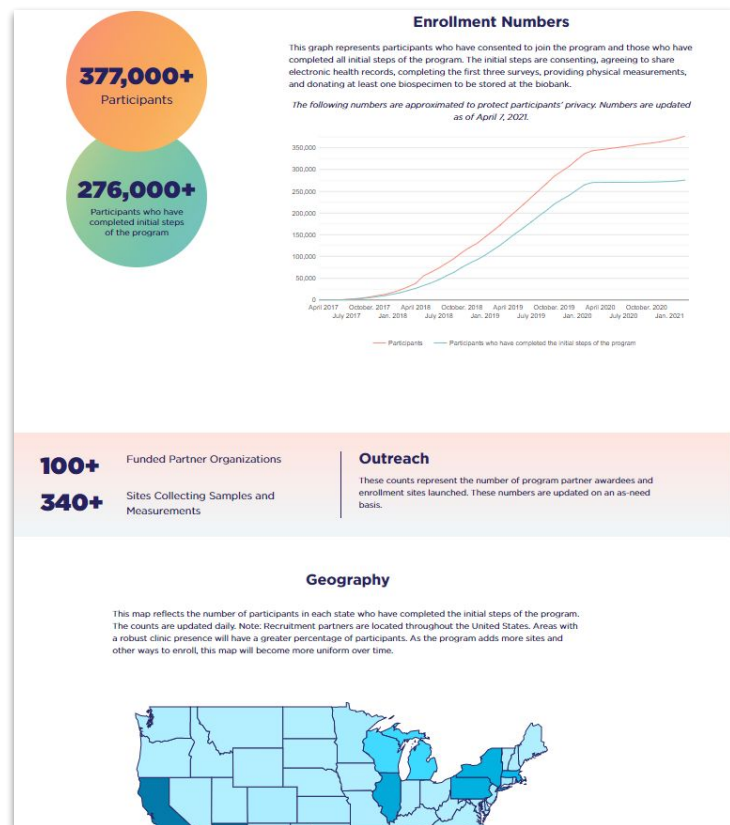
The Research Hub

The Research Hub is home to *All of Us* data, research tools, and research projects.



Public tools enable researchers to learn about data.

Data Snapshots



Survey Explorer



Survey Explorer

Surveys are valuable medical research tools because they efficiently capture information vital to a variety of research interests. Participants in the *All of Us* Research Program respond to surveys spanning a variety of topics, including demographics, health care, and lifestyle.

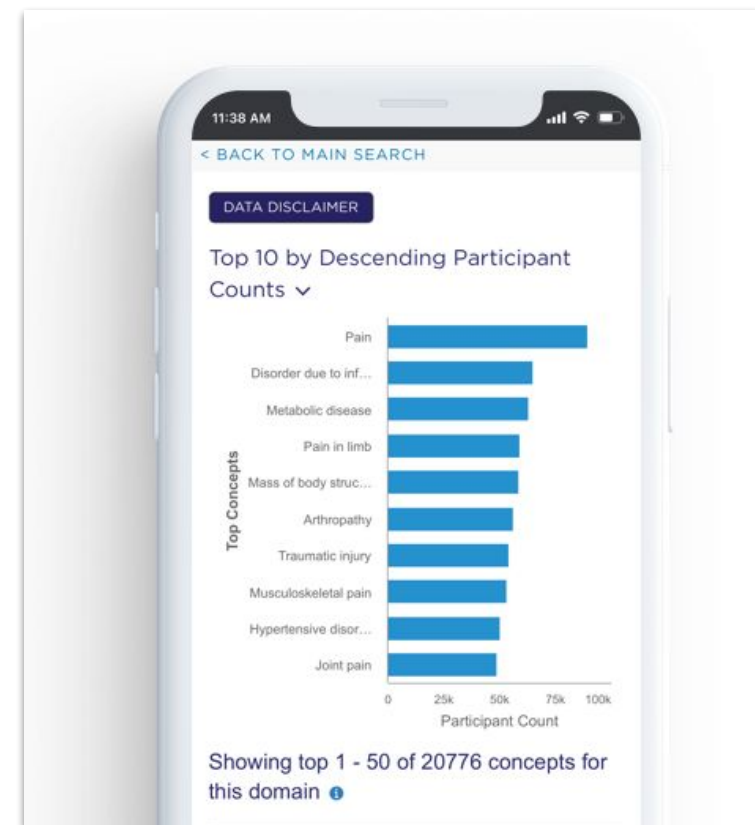
The program has tested each survey for readability and accessibility. We use cognitive interviews and quantitative testing. This testing process included people from different educational backgrounds and geographic locations to capture a sample that reflects the U.S. population.

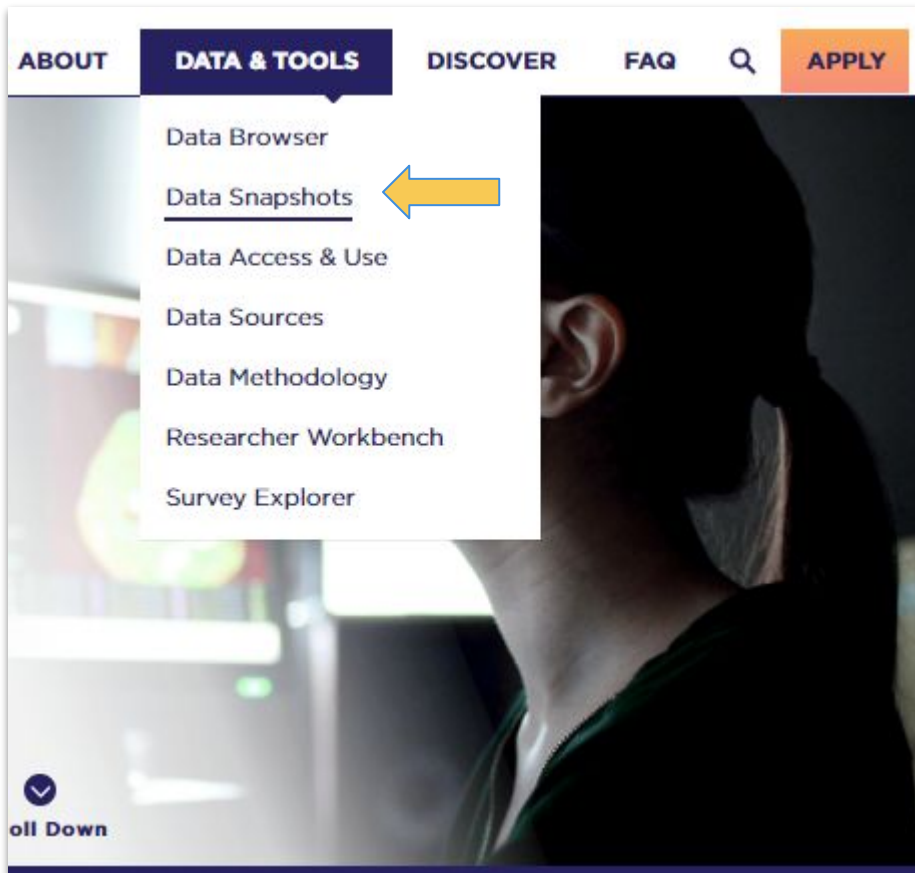
After participants complete the core surveys (The Basics, Overall Health, and Lifestyle), they may complete additional surveys on health care access, personal and family medical history, and other topics.

Learn more about the *All of Us* Research Program [survey development process](#).

Survey Category	Description	View English version	View Spanish version	Explore Source Material
The Basics	This core survey asks basic demographic questions, including questions about a participant's work and home. Participants must complete this survey to access additional surveys.	> View English version	> View Spanish version	EXPLORE SOURCE MATERIAL
Lifestyle	This survey asks questions about a participant's use of tobacco, alcohol, and recreational drugs.	> View English version	> View Spanish version	EXPLORE SOURCE MATERIAL
Overall Health	This survey collects information about a participant's overall health including general health, daily activities, and women's health topics.	> View English version	> View Spanish version	EXPLORE SOURCE MATERIAL
Personal Medical History	This survey collects information about past medical history, including medical conditions and approximate age of diagnosis.	> View English version	> View Spanish version	EXPLORE SOURCE MATERIAL
Health Care Access & Utilization	This survey asks questions about a participant's access to and use of health care.	> View English version	> View Spanish version	EXPLORE SOURCE MATERIAL
Family Medical History	This survey asks about the medical history of a participant's immediate biological family members.	> View English version	> View Spanish version	EXPLORE SOURCE MATERIAL

Data Browser





RESEARCHER LOGIN

All of Us Research Hub | NIH National Institutes of Health All of Us Research Program

ABOUT DATA & TOOLS DISCOVER FAQ Q APPLY

Home > Data & Tools > Data Snapshots

Data Snapshots

These aggregated, public-facing data snapshots provide an overview of *All of Us* Research Program participant characteristics and the types of data that we collect from participants.

Note: There are many stages of the *All of Us* participant journey. More than 503,000 people have registered with the program by creating online accounts at JoinAllOfUs.org, beginning the enrollment process. The snapshots below highlight participants in the *All of Us* Research Program.

The following numbers are approximated to protect participants' privacy. Numbers reflect data collected through August 8, 2021.

Participants at a Glance

Enrollment Numbers

This graph represents participants who have consented to join the program and those who have completed all initial steps of the program. The initial steps are consenting, agreeing to share electronic health records, completing the first three surveys, providing physical measurements, and donating at least one biospecimen to be stored at the biobank.

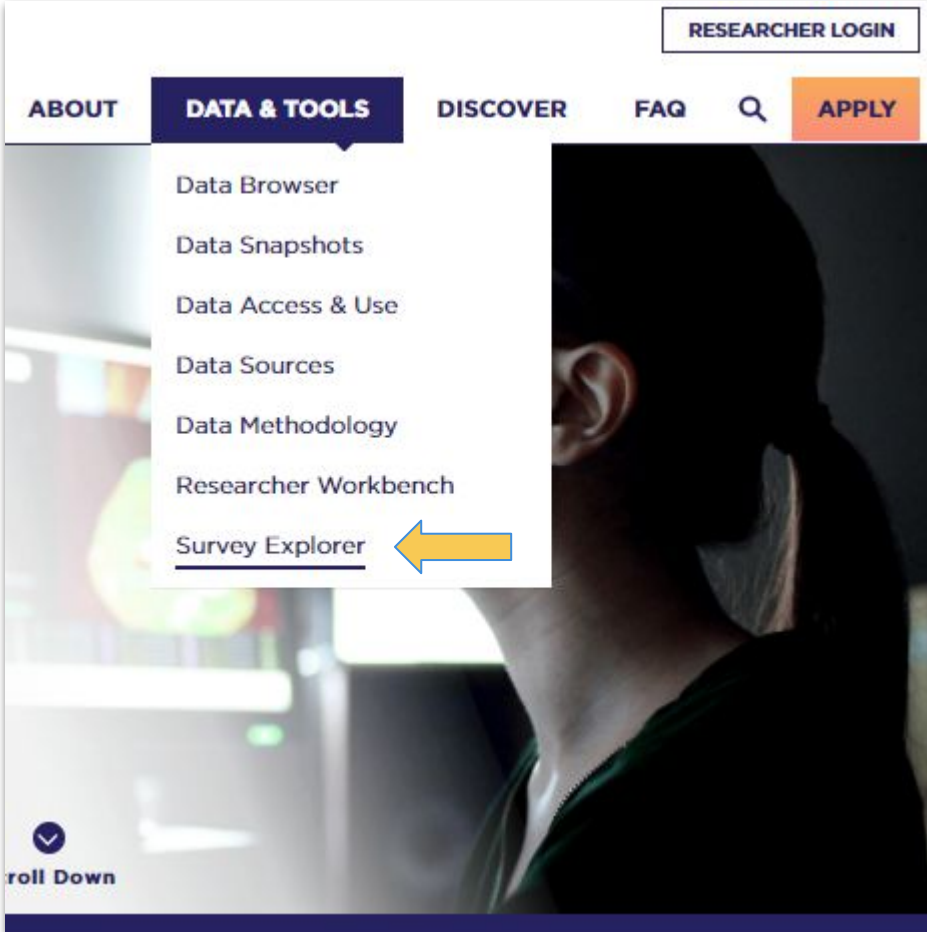
The following numbers are approximated to protect participants' privacy. Numbers are updated as of August 8, 2021.

Date	Participants	Participants who have completed the initial steps of the program
May 2017	~0	~0
Aug 2017	~10,000	~5,000
Nov 2017	~20,000	~10,000
Feb 2018	~40,000	~20,000
May 2018	~60,000	~30,000
Aug 2018	~80,000	~40,000
Nov 2018	~100,000	~50,000
Feb 2019	~120,000	~60,000
May 2019	~140,000	~70,000
Aug 2019	~160,000	~80,000
Nov 2019	~180,000	~90,000
Feb 2020	~200,000	~100,000
May 2020	~220,000	~110,000
Aug 2020	~240,000	~120,000
Nov 2020	~260,000	~130,000
Feb 2021	~280,000	~140,000
May 2021	~398,000+	~291,000+

Participants

Participants who have completed the initial steps of the program

Help



For more information about our survey development process, please read “Development of the Initial Surveys for the All of Us Research Program” (Cronin et al., 2019)

Survey Explorer

Surveys are valuable medical research tools because they efficiently capture information vital to a variety of research interests. Participants in the All of Us Research Program respond to surveys spanning a variety of topics, including demographics, health care, and lifestyle.

The program has tested each survey for readability and accessibility. We use cognitive interviews and quantitative testing. This testing process included people from different educational backgrounds and geographic locations to capture a sample that reflects the U.S. population.

After participants complete the core surveys (The Basics, Overall Health, and Lifestyle), they may complete additional surveys on health care access, personal and family medical history, and other topics.

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The Basics

This core survey asks basic demographic questions, including questions about a participant's work and home. Participants must complete this survey to access additional surveys.

> View English version **EXPLORE SOURCE MATERIAL**
> View Spanish version

Lifestyle

This survey asks questions about a participant's use of tobacco, alcohol, and recreational drugs.

> View English version **EXPLORE SOURCE MATERIAL**
> View Spanish version

Overall Health

This survey collects information about a participant's overall health including general health, daily activities, and women's health topics.

> View English version **EXPLORE SOURCE MATERIAL**
> View Spanish version

Personal Medical History

This survey collects information about past medical history, including medical conditions and approximate age of diagnosis.

> View English version **EXPLORE SOURCE MATERIAL**
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Health Care Access & Utilization

This survey asks questions about a participant's access to and use of health care.

> View English version **EXPLORE SOURCE MATERIAL**
> View Spanish version

Family Medical History

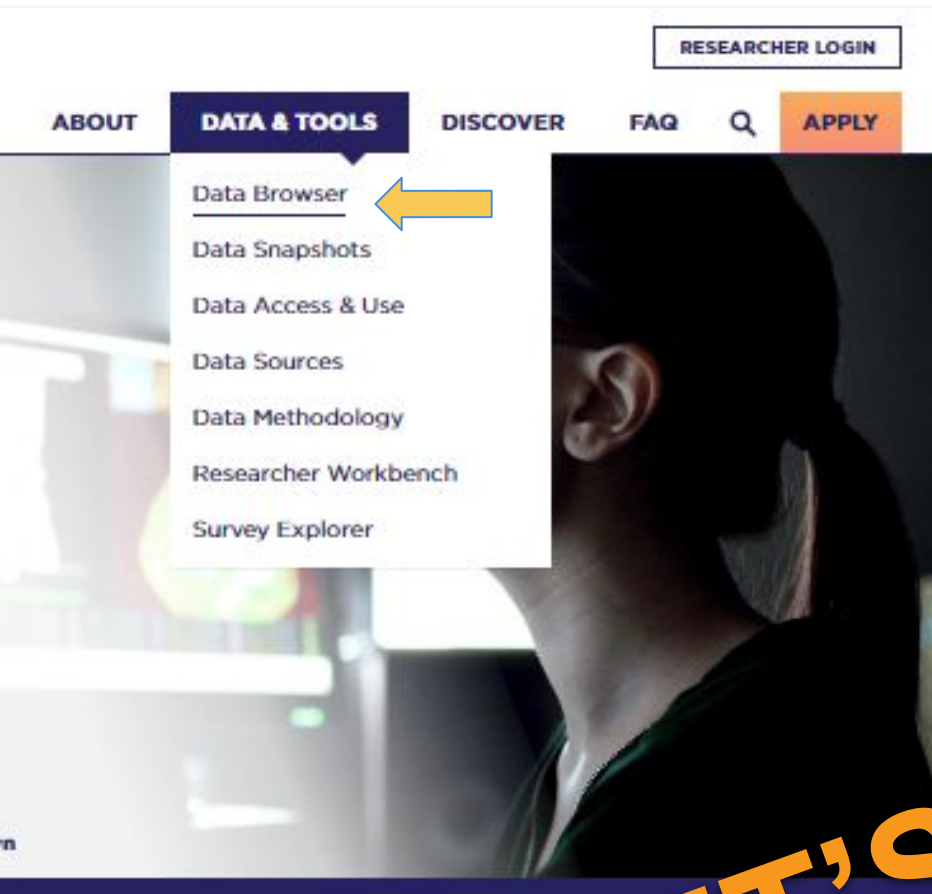
This survey asks about the medical history of a participant's immediate biological family members.

> View English version **EXPLORE SOURCE MATERIAL**
> View Spanish version

COVID-19 Participant Experience (COPE) Survey

This survey asks questions about the impact of COVID-19 on a participant's mental health, well-being, and everyday life. This survey was deployed to participants multiple times, beginning in May 2020.

> View English version **EXPLORE SOURCE MATERIAL**
> View Spanish version



Search Across Data Types

Keyword Search

Data includes 316,760 participants and is current as of 10/1/2020.

FAQs | Introductory Videos | User Guide

EHR Domains:

Domain	Medical Concepts	Participants
Conditions	24,770	192,000
Drug Exposures	27,311	174,660
Labs & Measurements	13,631	182,000
Procedures	27,702	182,000

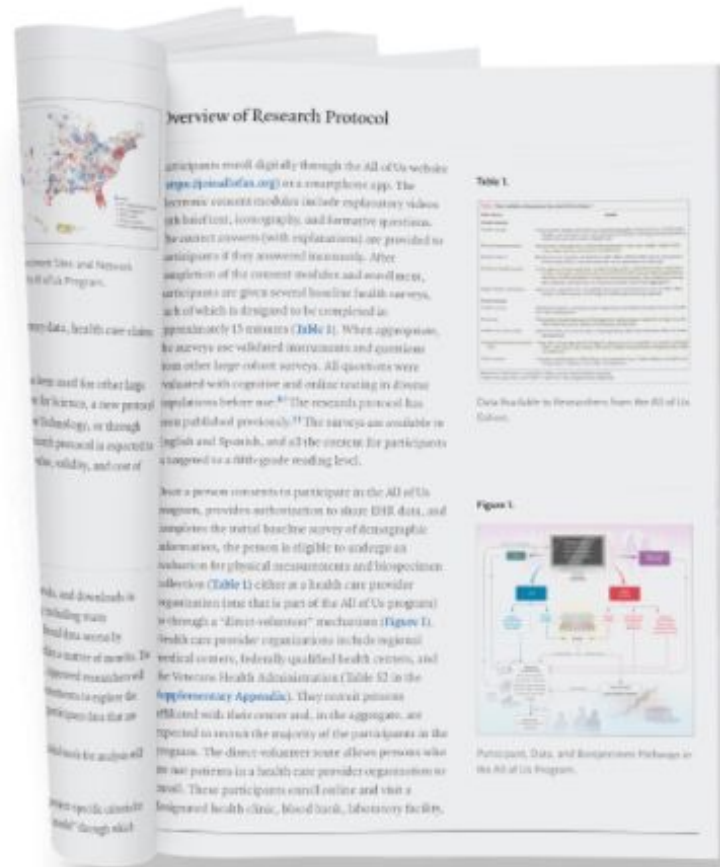
Survey Questions:

Survey	Questions Available	Participants
The Basics	28	316,760
Overall Health	21	316,760
Lifestyle	26	316,760
Personal Medical History	465	89,640
Health Care Access & Utilization	57	98,940
Family Health History	186	92,080
COVID-19 Participant Experience (COPE)	151	62,920

LET'S TAKE A LOOK!

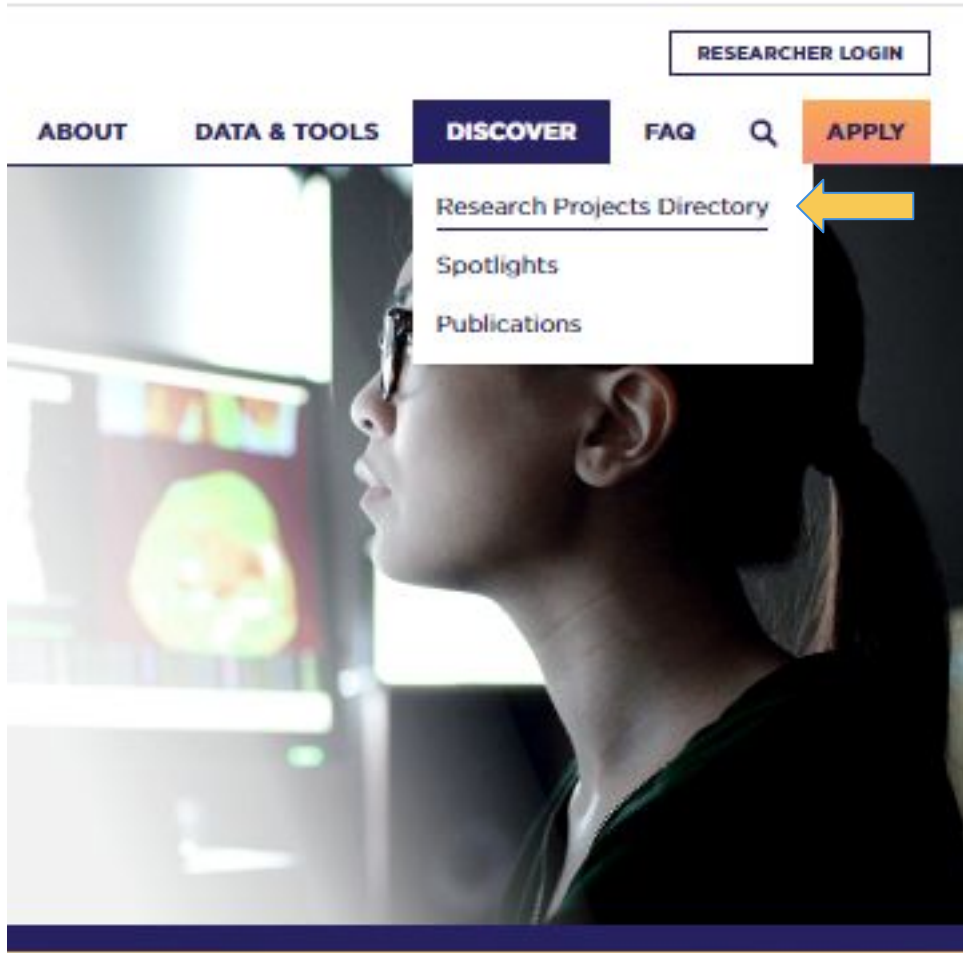
Publications

The stories, projects, & publications made possible by *All of Us* are shared **publicly & transparently.**



A screenshot of the All of Us Research Hub website. The header includes the All of Us Research Hub logo, the NIH National Institutes of Health logo, and a "RESEARCHER LOGIN" button. Navigation links for "ABOUT", "DATA & TOOLS", "DISCOVER", "FAQ", and "APPLY" are visible. The main content area shows the "Research Projects Directory" with a heading "654 ACTIVE PROJECTS" and a note that the information was updated on 8/9/2021. Below this, there is a search bar with a dropdown menu for "Search By:" and a text input field for "Project title: enter keywords you are looking for". A search icon is on the right of the search bar. Below the search bar, there is a section titled "Social Determinants and Healthcare Access in Eye Conditions - v4 Dataset" with a downward arrow icon. The text under this section states: "We are planning to explore disparities in healthcare access and utilization for patients with eye conditions across different demographic groups. We would like to evaluate risk of developing advanced/severe disease in different eye conditions, and understand how social determinants contribute..."

Source: <https://www.researchallofus.org/>



Research Projects Directory

654 ACTIVE PROJECTS

This information was updated 8/9/2021

Information about each project within the Researcher Workbench is available in the Research Projects Directory below. Approved researchers provide their project's research purpose, description, populations of interest, and more. This information helps *All of Us* ensure transparency on the type of research being conducted.

At this time, all listed projects are using data in the [Registered Tier](#). The Registered Tier contains individual-level data from electronic health records, surveys, physical measurements, and wearables. Personal identifiers have been removed from these data to protect participant privacy.

Note: Researcher Workbench users provide information about their research projects independently. Views expressed in the Research Projects Directory belong to the relevant users and do not necessarily represent those of the All of Us Research Program. Information in the Research Projects Directory is also cross-posted on [Allofus.nih.gov](https://allofus.nih.gov) in compliance with the 21st Century Cures Act.

Search By:

Project title: enter keywords you are looking for



Social Determinants and Healthcare Access in Eye Conditions - v4 Dataset

We are planning to explore disparities in healthcare access and utilization for patients with eye conditions across different demographic groups. We would like to evaluate risk of developing advanced/severe disease in different eye conditions, and understand how social determinants contribute...

Stroke risk factors

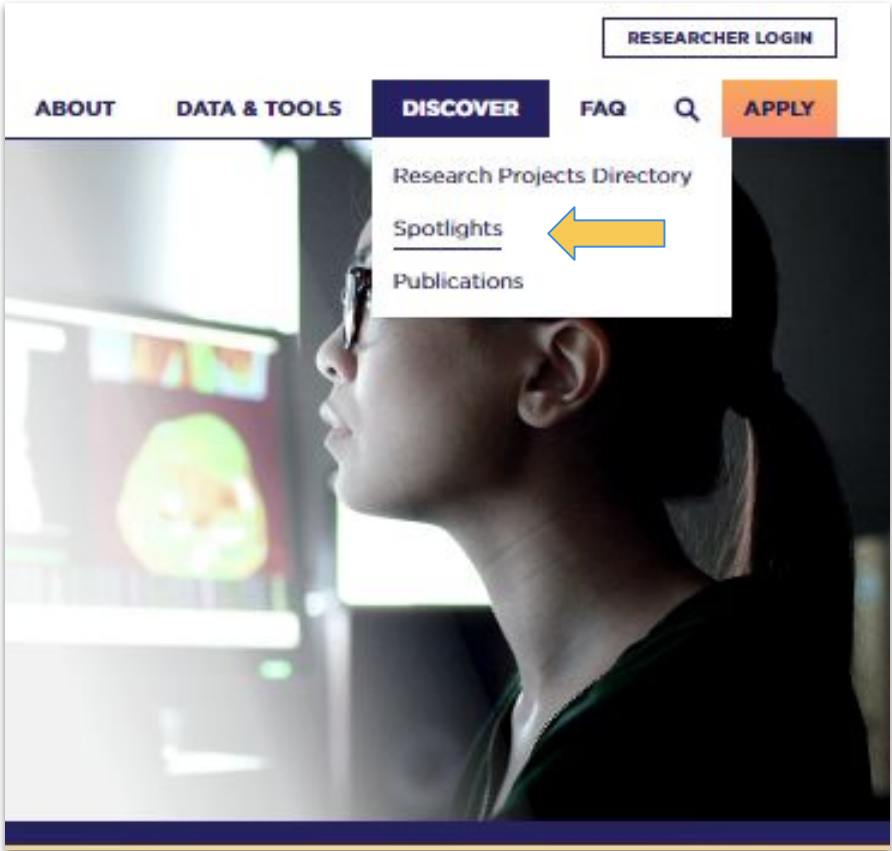
Stroke is the second leading cause of death and the leading cause of adult disability in the world, but relatively little is known about the underlying mechanisms that lead to stroke. No mechanism-based treatment or established prevention for hemorrhagic stroke...

Thyroid nodule and cancer

Thyroid cancer is one of the fastest increasing cancer over the last 40 years. From 1974 to 2013 the incidence increased 3.6% per year. With increased use of radiology studies throughout all facets of medicine, the incidental identification of thyroid...

Determinants of neurovascular diseases

Neurovascular disease is responsible for a substantial proportion of the morbidity and mortality observed in the general population. Mounting evidence indicates that this impact disproportionately affects minority populations. This disproportionate effect is not only present in minorities defined by race/ethnicity...



Spotlights



Meet the Researchers

A new study to better understand the health outcomes of sexual and gender minority people

January 19, 2021

Meet Dr. Mitch Lunn. He's on a mission to better understand and support the health needs of sexual and gender minority people.



Meet the Researchers

An exploration of reproductive health issues that disproportionately affect Black women

January 19, 2021

Dr. Nyia Noel, an OBGYN at a Boston hospital, is leveraging the *All of Us* Research Program dataset to study hypertensive disorders in pregnancy and uterine fibroids.

RESEARCHER LOGIN

ABOUT

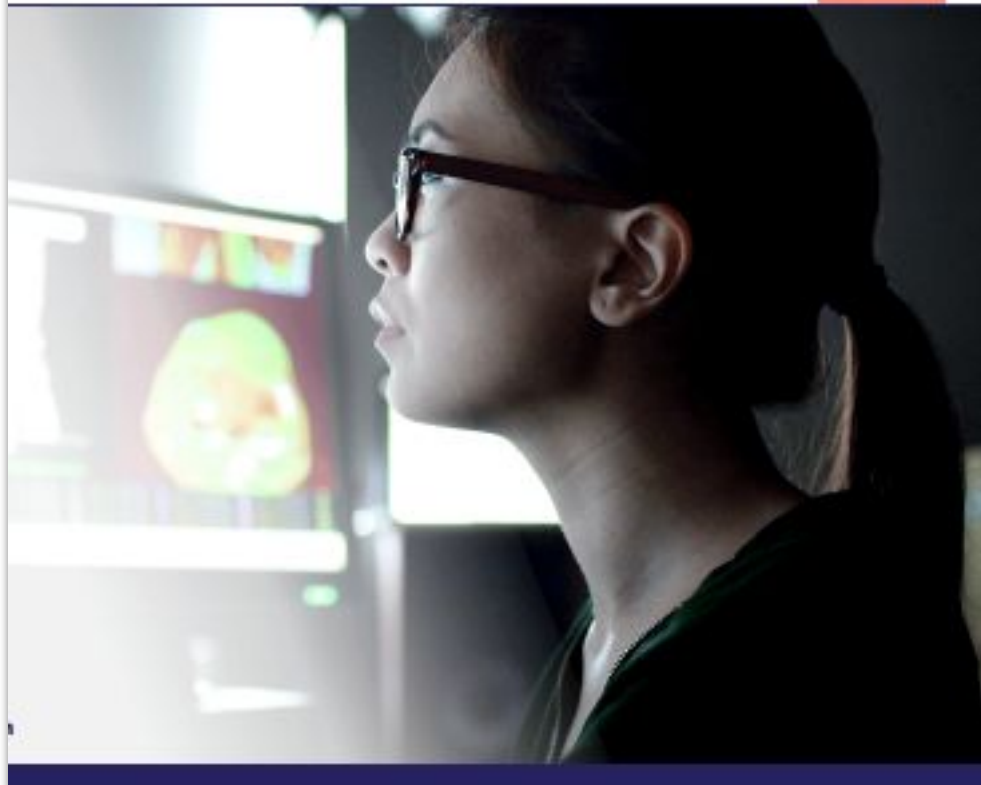
DATA & TOOLS

DISCOVER

FAQ



APPLY



How to Apply

STEP
1

LEARN MORE ABOUT THE DATA AVAILABLE

Explore what data are currently available with the [Data Browser](#), and view the amount of information available with the [Data Snapshots](#). Then, learn about the [Data Access & Use Policies](#) and our workbench.

STEP
2

CHECK FOR YOUR INSTITUTION'S AGREEMENT

[Check that your institution has signed the Data Use and Registration Agreement](#). If your institution is not listed, please fill out [the form](#) to initiate the process.

STEP
3

REGISTER AS A RESEARCHER

Complete your researcher profile, sign the Terms of Service, and agree to the the Privacy Policy. Please note: a Data Use and Registration Agreement must be in place, and you must have an eRA Commons account.

STEP
4

CONNECT ERA COMMONS

Connect to your eRA Commons account upon applying to the Researcher Workbench.

STEP
5

COMPLETE ALL OF US RESPONSIBLE CONDUCT OF RESEARCHER TRAINING

Understand more about our privacy safeguards and the ethics surrounding the use of participant data.

STEP
6

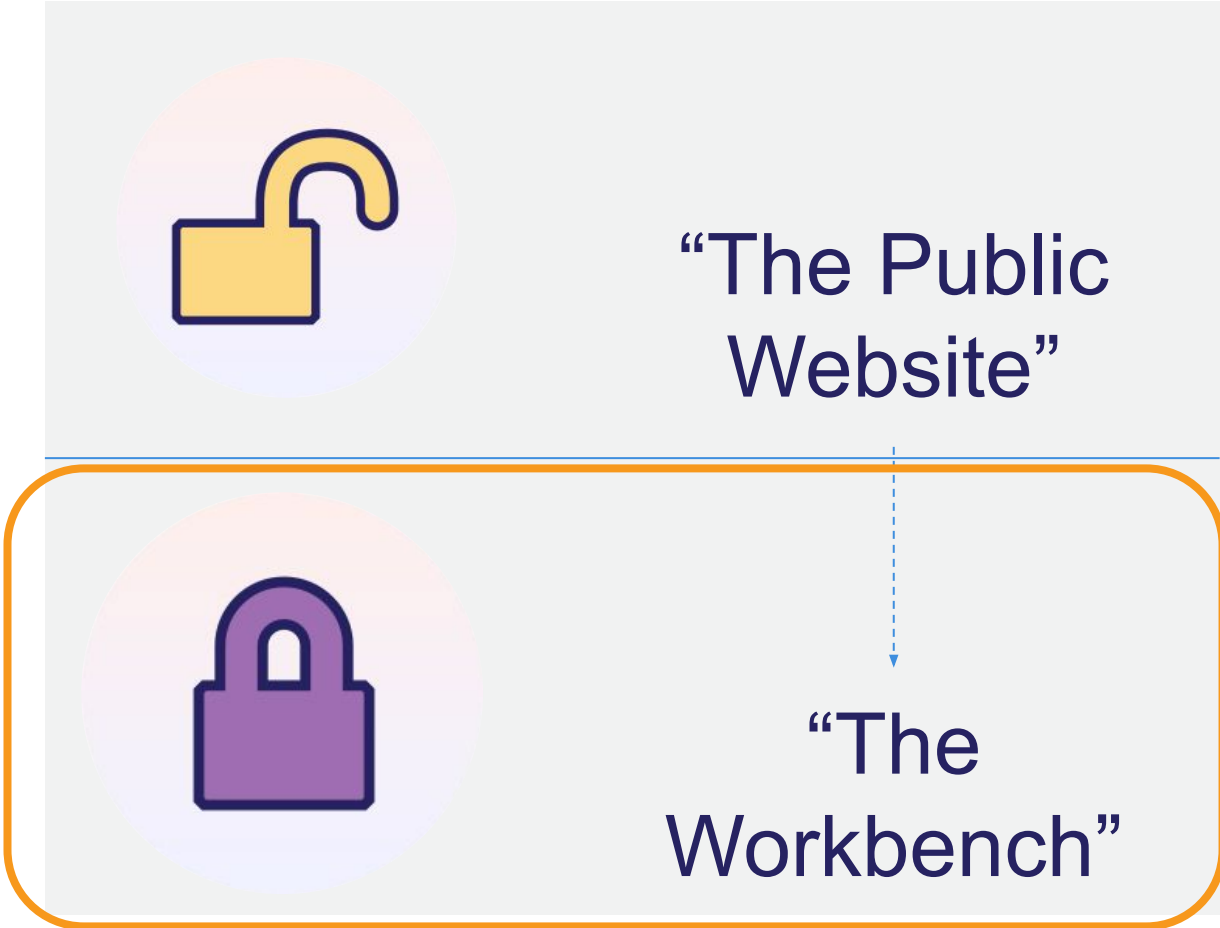
SIGN DATA USER CODE OF CONDUCT

Sign the Data User Code of Conduct.

APPLY NOW

The Researcher Workbench

A secure enclave where researchers access & analyze All of Us data.



The Workbench offers analysis tools & resources.



WORKSPACES

USES: Organizing research projects, collaboration, transparency



WORKBENCH USER SUPPORT HUB

USES: Learning, support, guides



NOTEBOOKS

USES: Analysis, queries



DATASET BUILDER

USES: Pre-populated analysis, dataset previews



COHORT BUILDER

USES: Cohort creation

RESEARCHER LOGIN

ABOUT

DATA & TOOLS

DISCOVER

FAQ



APPLY



All of Us
RESEARCHER WORKBENCH

Already have a Researcher Workbench account?

 Sign In

Trouble Signing In?

Don't have an account?

CREATE ACCOUNT

WARNING NOTICE

You are accessing a website created by the All of Us Research Program, funded by the National Institutes of Health.

Unauthorized attempts to upload information, change information, or use of this website may result in disciplinary action, civil, and/or criminal penalties. Unauthorized users of this website should have no expectation of privacy regarding any communications or data processed by this website.

By continuing to log in, anyone accessing this website expressly consents to monitoring of their actions and all communications or data transmitted or stored on related to this website and is advised that if such monitoring reveals possible evidence of criminal activity, NIH may provide that evidence to law enforcement officials.



Welcome to the
RESEARCHER WORKBENCH

The secure platform to analyze *All of Us* data



Workspaces +

[See all workspaces](#)

HbA1c Distributions of Type 2 Diabetics

OWNER

Last Changed: 03/26/20, 02:01 PM

Original - How to Get Started with Registered Tier Data

WRITER

Last Changed: 03/25/20, 09:45 AM

R2019Q4R3 - How to Get Started with Registered Tier Data

READER

Last Changed: 12/08/20, 01:25 PM

How to Work with All of Us Survey Data

READER

Last Changed: 01/15/21, 01:39 PM

Recently Accessed Items

	Item type	Name	Workspace name	Last changed	Dataset
⋮	Cohort	T2D_survey_any_hba1c	HbA1c Distributions of Type 2 Diabetics	May 14 2020	All of Us Dataset v3
⋮	Cohort	test	Type 2 diabetes Test with Lou	Apr 28 2020	All of Us Dataset v3
⋮	Notebook	Medication Sequences Code	Medications pathway (sequences) - Phase 1	Apr 27 2020	All of Us Dataset v3
⋮	Notebook	test	Feedback	Apr 23 2020	All of Us Dataset v3
⋮	Notebook	Concept Longitudinality	CDR Characterization	Apr 23 2020	All of Us Dataset v3

Showing 5 most recent items

Quick Tour and Videos

Workbench Quick Tour

TUTORIAL VIDEO

Introduction to the Researcher Workbench

▶ 2:33

TUTORIAL VIDEO

Cohort Builder & Cohort Review

▶ 2:26

TUTORIAL VIDEO

Dataset Builder & Concept Sets

▶ 2:49

TUTORIAL VIDEO

Notebooks & Code Snippets


▶ 2:54

Workspaces > Demonstrating All of Us

DATA ← ABOUT


Cohorts +

A cohort is a group of participants based on specific criteria.



Datasets +

A dataset is a table containing data about a cohort that can be exported for analysis.




Workspaces > Demonstrating All of Us Anthropomorphic Data Quality

DATA ANALYSIS ABOUT Synthetic Dataset v4


Cohorts +

A cohort is a group of participants based on specific criteria.



Datasets +

A dataset is a table containing data about a cohort that can be exported for analysis.



Show: Show All Cohorts Cohort Reviews Concept Sets Datasets

Height Cohort

Participants with physical measurement
Height and Inpatient
EHR Height

Last Modified: Date

Height Cohort

Participants with physical measurement
Height and Inpatient
EHR Height

Last Modified: Mar 03 2021

HeightConcepts

Standing Height from
EHR and PPI

Last Modified: Nov 06 2020

Height

Last Modified: Date

Help Tips

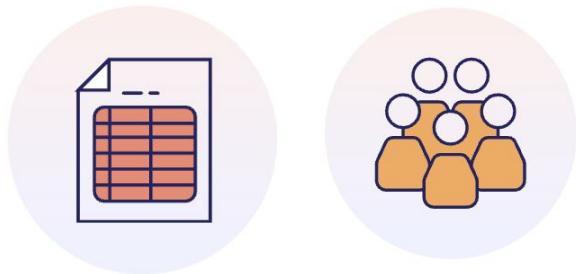
Search

Cohorts
A "cohort" is a group of participants that a group of researchers are interested in. The cohort builder allows you to create and review cohorts and annotate participants in a researcher's study group.

Concept Sets
Concepts describe information in a patient's medical record, such as a condition they have, a prescription they are taking or their physical measurements. Subject areas such as conditions, drugs, measurements, etc. are called "domains." Concept sets are collections of concepts from a particular domain, that users can save and use to create a dataset for analysis.

Datasets
Datasets are analysis-ready tables that can be exported to analysis tools such as notebooks. Users can build and preview a dataset for...

Not finding what you're looking for?
Visit our [User Support Hub](#) page or contact...



Cohort + Dataset Builders

Workspaces > Demonstrating All of Us

DATA ← ABOUT

Cohorts +

A cohort is a group of participants based on specific criteria.

Datasets +

A dataset is a table of data for a specific cohort that can be used for analysis.



NOTEBOOKS

Workspaces > Duplicate of How to Get Started with Registered Tier Data > Notebooks > Data 101 - Data Fundamentals [Python]

jupyter Data 101 - Data Fundamentals [Python]

File Edit View Insert Cell Kernel Navigate Widgets Help Snippets

Run | Markdown

```
plt.tight_layout()
```

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- 1 Objectives
- 2 Setup
 - 2.1 How to install software packages
 - 2.2 How to import installed software pa
 - 2.3 How to select the Curated Data Re
- 3 Data Availability Part 1
 - 3.1 How many participants have survey
 - 3.2 How many participants have physic
 - 3.3 How many participants have EHR
 - 3.4 How many participants have COPE
 - 3.5 How many participants have Fitbit
 - 3.6 How many participants have more
- 4 Data Availability Part 2**
 - 4.1 How many participants have data f
 - 4.2 How many participants have data f
 - 4.3 How many participants have data f
 - 4.4 How many participants have data f
 - 4.5 How many participants have data f
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 - 5.2 How many rows of data are in each
 - 5.3 How are data from different source
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 - 6.2 Participant count by race and ethni
 - 6.3 Participant count by state of reside
 - 6.4 How to interpret PPI responses suc
- 7 Expert Tip - Accessing CDR_base

Count of participants with multiple data types

Legend: Survey (purple), EHR (blue), Phys. Meas. (green), Fitbit (yellow)

- ▼ **4 Data Availability Part 2**
How to delve a little deeper into data availability within each major data type (Modules 1-6, Physical M
- ▼ **4.1 How many participants have data for each survey?**

 Phenotype Library

 Tutorial Workspaces

 Demonstration Projects

RESEARCHER WORKBENCH WORKSPACE LIBRARY

Tutorial Workspaces

These workspaces provide instructions for key Researcher Workbench components and representations of the *All of Us* dataset. You can open the workspaces to view them or "duplicate" the workspaces to edit and execute them.

 How to Work with All of Us Physical Measurements Data

READER

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 How to Backup Notebooks and Intermediate Results

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 How to Get Started with Registered Tier Data

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 How to Reproduce the All of Us SARS-CoV-2 Antibody Study

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 How to Run Python Notebooks in the Background

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 How to Work with All of Us Survey Data



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 How to Work With Wearable Device Data


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Search our knowledge base for answers
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Explore *All of Us* Researcher Workbench Resources



Getting Started

New to the Researcher Workbench?
Looking for some quick help for working
with our tools or data? Start here.



Documentation

Find helpful resources to better
understand the *All of Us* dataset and
how to analyze it.



Community Forum

Post your questions and comments for
other users here.



Frequently Asked Questions

Look for answers on workspaces, concepts, and everything in
between.



Announcements

Get the latest *All of Us* news and announcements.

Have a question or would like to make a request?

Send us specific questions or requests.

SUBMIT A REQUEST



What's Next?

What to Expect in Researcher Workbench Beta Phase

- **Data:** The cohort is actively growing, and so are the data.
- **Analytical Tools:** R & Python programming; continuing to evolve.
- **Access:** Data passport model
 - At this time, an institutional agreement & eRA Commons account is required.
- **Credits:** \$300 in compute credits upon registration.

We welcome input from researchers during the beta testing phase to help make the Workbench more robust over time.



LEARN MORE ABOUT THE DATA AVAILABLE

Explore what data are currently available with the [Data Browser](#), and view the amount of information available with the [Data Snapshots](#). Then, learn about the [Data Access & Use Policies](#) and our workbench.



CHECK FOR YOUR INSTITUTION'S AGREEMENT

[Check that your institution has signed the Data Use and Registration Agreement](#). If your institution is not listed, please fill out [the form](#) to initiate the process.



REGISTER AS A RESEARCHER

Complete your researcher profile, sign the Terms of Service, and agree to the the Privacy Policy. Please note: a Data Use and Registration Agreement must be in place, and you must have an eRA Commons account.



CONNECT ERA COMMONS

Connect to your eRA Commons account upon applying to the Researcher Workbench.



COMPLETE ALL OF US RESPONSIBLE CONDUCT OF RESEARCHER TRAINING

Understand more about our privacy safeguards and the ethics surrounding the use of participant data.



SIGN DATA USER CODE OF CONDUCT

Sign the Data User Code of Conduct.

Overview of Contracting Timeline (for the Registered Tier)



Tips and Tricks in the Contracting Process

- A contracting contact is anyone who can get the *All of Us* Contracting team to the institutional signing authority for the respective institution or organization
- Go to your direct supervisor to confirm who your contracting contact is at your institution if you are unsure
- Contact your contracting contact ahead of time and brief them on the *All of Us* Research program before completing the access request form.
- Follow up periodically with your contracting contact to receive updates in the contracting process

Learn More and Help Us Spread the Word!

- Visit ResearchAllofUs.org and JoinAllofUs.org
- Subscribe to Research Hub Newsletter to receive updates
- Enroll in the Workbench: ResearchAllofUs.org/apply/



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#JoinAllofUs

Q&A, Discussion