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All of Us Research Hub
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All of Us
DATA & RESEARCH CENTER

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Objectives

During today's presentation, we will

- Learn about different the data available
- Explore the Research Hub
- Examine the steps for registration
- See how to start a research project on the Workbench

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Slide 3

Thank you to our participants and community partners!

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Thank you to our consortium partners!

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All of Us is building one of the largest, most diverse health databases ever

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Enabling research discoveries that drive more precise approaches to care

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All of Us Mission

Our Mission

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

Nurture partnerships for decades with at least a million participants who reflect the diversity of the U.S.

Deliver one of the **largest, richest biomedical datasets** that is broadly available and secure

Catalyze an ecosystem of **communities, researchers, and funders** who make *All of Us* an **indispensable** part of health research

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

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Participants included in All of Us research data are diverse.

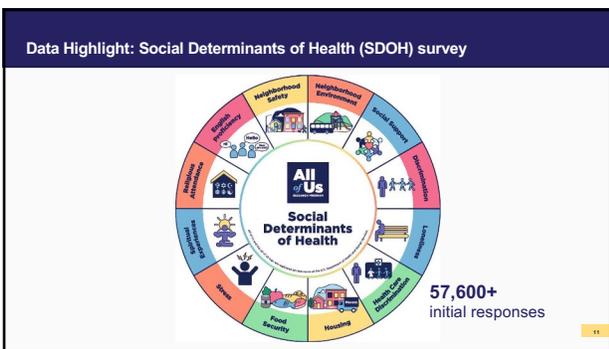| Underrepresented in Biomedical Research (UBR) Categories	Curated Data (% out of 372,380 participants)
At least one UBR	78%
Non-white race or Hispanic/Latino ethnicity	44%
Age >= 65	24%
Less than GED	9%
Annual Income <=$25k	26%
Sexual and Gender Minorities	10%
Rural Location	7%

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Key takeaways for registered users

372,397 Survey Responses

306,179 Physical Measurements

258,415 Electronic Health Records (EHR)

165,072 Genotyping Arrays

98,558 Whole Genome Sequences
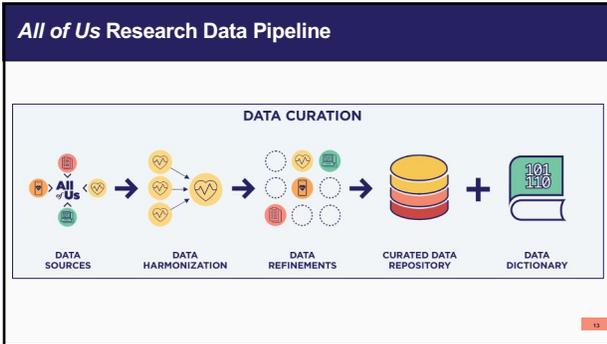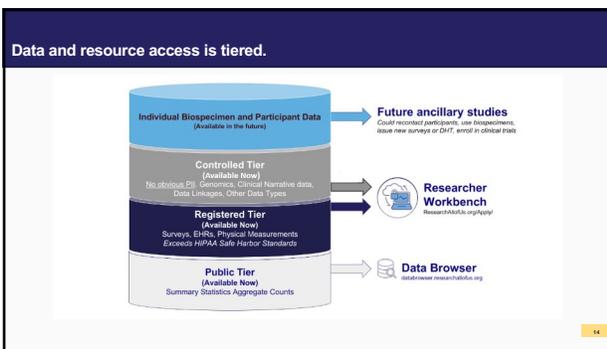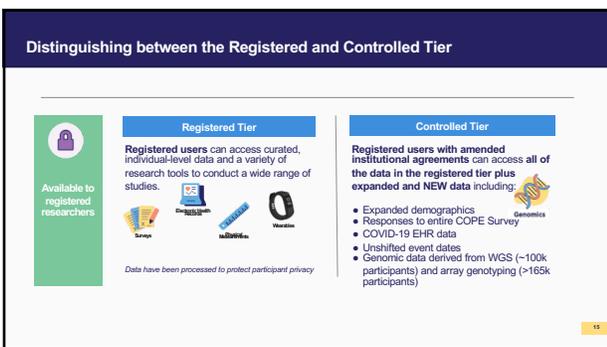
12,844 Fitbit Records

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Including the first batch of genomic data

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Data Highlight: Social Determinants of Health (SDOH) survey

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Principles of access & privacy: "Share widely and wisely."

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All of Us Research Data Pipeline

DATA CURATION

DATA SOURCES | DATA HARMONIZATION | DATA REFINEMENTS | CURATED DATA REPOSITORY | DATA DICTIONARY

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Data and resource access is tiered.

Individual Biospecimen and Participant Data
(Available in the future)

Controlled Tier
(Available Now)
No obvious PII, Genomics, Clinical Narrative data, Data Linkages, Other Data Types

Registered Tier
(Available Now)
Surveys, EHRs, Physical Measurements
Exceeds HIPAA Safe Harbor Standards

Public Tier
(Available Now)
Summary Statistics Aggregate Counts

Future ancillary studies
Could recontact participants, use biospecimens, issue new surveys or DHT, enroll in clinical trials

Researcher Workbench
ResearchAllofUs.org/Apply/

Data Browser
databrowser.researchallofus.org

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Distinguishing between the Registered and Controlled Tier

Registered Tier
Registered users can access curated, individual-level data and a variety of research tools to conduct a wide range of studies.

Data have been processed to protect participant privacy

Controlled Tier
Registered users with amended institutional agreements can access all of the data in the registered tier plus expanded and NEW data including:
- Expanded demographics
- Responses to entire COPE Survey
- COVID-19 EHR data
- Unshifted event dates
- Genomic data derived from WGS (~100k participants) and array genotyping (>165k participants)

Available to registered researchers

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The Research Hub

https://www.researchallofus.org/

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Researchallofus.org is home to *All of Us* data, research tools, & projects.

"The Public Website"

"The Workbench"

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Data Snapshot provide an overview of participant data.

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Use the Project Directory to view all active projects.

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Use the Project Directory to view all active projects.

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Read researchers' peer-reviewed *All of Us* publications

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The Data Browser is an interactive way to view the data.

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The Data Browser is an interactive way to view the data.

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The Survey Explorer hosts all surveys available to participants.

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How to Register

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Registration is easy!

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See if your institution has an agreement with us for access.

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The Researcher Workbench

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

"The Public Website"

"The Workbench"

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Login from the Hub to access your Workspaces.

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The Researcher Workbench = secure cloud analysis platform

WORKSPACES   DATASET BUILDER   COHORT BUILDER   NOTEBOOKS   WORKBENCH USER SUPPORT HUB

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Answer questions about your Workspace.

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The About tab provides information about your Workspace.

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The Data tab is where you begin building your research.

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The Jupyter Notebook is where you will run your analysis.

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Support Resources

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The Featured Workspaces can help you during your research.

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We also provide regular office hours & webinars.

Support Desk	New User Orientation	Office Hours
Send us your questions.	**Zoom in for a live orientation.**	**Get live, virtual help with questions.**
Email us or use our "Help" icon to: • Resolve technical issues • Ask questions about our data or the research program • Give us feedback or make suggestions • and more…	Webinar objectives: • Understand data & data organization • Learn how to get started on Researcher Workbench • Learn how to utilize the User Support Hub	Ask your questions live: • Workflow implementation questions • Data refreshers and updates • Billing questions • and more…
Response in 1-2 business days. support@researchallofus.org	**Monthly** link emailed to all registered users	**Weekly (Tues) & Bi-Weekly (Fri)** link emailed to all **registered users**

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The Support Hub and Team are here to help you!

https://aousupporthelp.zendesk.com/hc/en-us

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Stay in touch to learn more

Sign up for our bimonthly newsletter

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

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Join our community of researchers!

Sign up for our newsletter! allof-us.org/RRSignup

Spread the word about *All of Us*! Visit our social media platforms!

@AllofUsResearch
#JoinAllofUs

Support@ResearchAllOfUs.org

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