

All of Us RESEARCH PROGRAM

Innovating Ourselves for the Era of Precision Health

National Committee on Vital and Health Statistics

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National Institutes
of Health

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The *All of Us* Research Program

- One million or more volunteers, reflecting the broad diversity of the U.S.
- Opportunities for volunteers to provide data (deep clinical, environmental, lifestyle, & genetic data) on an ongoing basis
- Opportunities for researchers from citizen scientists to university researchers to access one of the world's largest biomedical databases to accelerate breakthroughs
- Not a study on any one disease, but a data resource to inform many research studies on a wide variety of health conditions



All of Us Mission and Objectives

Nurture relationships

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



Our mission

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

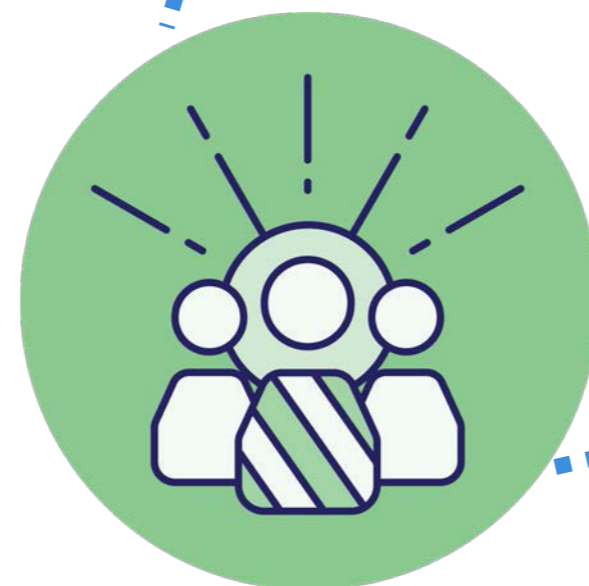
Deliver the largest, richest biomedical dataset ever

that is easy, safe, and free to access



Catalyze the robust ecosystem

of researchers and funders hungry to use and support it



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 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.

Major Building Blocks of the *All of Us* Research Program

DATA AND RESEARCH CENTER (DRC)

Big data capture, cleaning, curation, & sharing in secure environment

Vanderbilt, Verily, Broad Institute

BIOBANK

Repository for processing, storing, & sharing biosamples (35+M vials)

Mayo Clinic

PARTICIPANT CENTER

Direct volunteer participant enrollment, digital engagement innovation, & consumer health technologies

*Scripps Research Institute
(with multiple partners)*

PARTICIPANT TECHNOLOGY SYSTEMS CENTER

Web & phone-based platforms for participants

Vibrent Health

HEALTH CARE PROVIDER ORGS (HPOs)

Clinical & scientific expertise network, enrollment & retention of participants

20+ regional med centers, FQHCs, VA, future awards to grow network

COMMUNICATIONS & ENGAGEMENT

Comms, marketing, & design expertise; Engagement coordination & community partners network

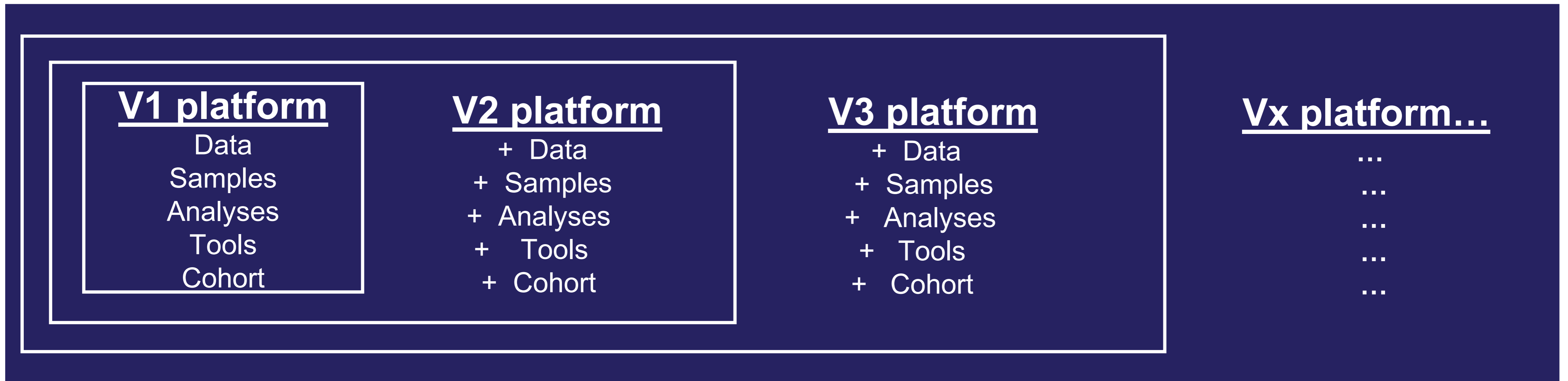
Wondros, HCM, network of community partners

All of Us Research Program Data

The Program will start by collecting a limited set of standardized data from sources that will include:

- Participant questionnaires
- Electronic health records
- A baseline physical evaluation
- Biospecimens (blood and urine samples)
- Mobile/wearable technologies
- Geospatial/environmental data

Data types will grow and evolve with science, technology, and trust.



All of Us Research Program Participant Activities



1. Learn



2. Discuss



3. Enroll &
Consent



4. Questionnaires



5. Physical
Measures



6. Bio-Samples



7. Lifestyle &
Health Data
Contributions



8. Research
Projects &
Publications



9. Return of
Information



10. Duration

Right Now

Now in beta phase of enrollment: More than 2800 participants across ten sites

- Invite-only, slow, iterative enrollment across the national network over 3-4 months
- Focused on the user experience; phased implementation as we pilot, iterate, and scale
- Evaluating engagement approaches

...All leading to a national launch in late 2017/early 2018

Questions?

Precision Medicine Initiative, PMI, All of Us, the All of Us logo, and The Future of Health Begins With You are service marks of the U.S. Department of Health and Human Services.