Reaching Diverse Populations with Personalized Medicine

Community Health Center, Inc.
Weitzman Institute
- QI experts; national coaches
- Project ECHO® — special populations
- Formal research and R&D
- Clinical workforce development

Federally Qualified Health Centers (FQHCs)
- Nation’s largest safety net setting
- Located in designated high need communities
- Caring for 24 million patients annually
- 93% served are below 200% poverty and 35% uninsured

CHC Profile
- Founding year: 1972
- Primary care hubs: 14; 204 sites
- Staff: 1,000
- Patients/year: 100,000 (est. 2017)
- Specialties: onsite psychiatry, podiatry, chiropractic
- Specialty access by e-Consult to 15 specialists

Elements of Model
- Fully integrated teams and data
- Integration of key populations into primary care
- Data driven performance
- “Wherever You Are” approach

THREE FOUNDATIONAL PILLARS
1. Clinical Excellence
2. Research and Development
3. Training the Next Generation
Announced by President Barack Obama in his 2015 State of the Union address

MISSION: To enable a new era of medicine through research, technology, and policies that empower patients, researchers, and providers to work toward development of individualized care.
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 the U.S.
• Opportunities for volunteers to provide data on an ongoing basis
• Data shared freely and rapidly to inform a variety of research studies
A Transformational Approach to Diversity

- Reflecting the country’s rich diversity to produce meaningful health outcomes for historically underrepresented communities.
A Transformational Approach to Participation

Participants in the *All of Us*℠ Research Program will be true partners—not patients, not subjects—in the research process

- Involved in every step of program development
  - What data we collect
  - What lab analyses we do
  - What research is conducted
  - How data gets returned
A Transformational Approach to Data Access

- Data sharing will be swift to both researchers and participants
- Participants will have access to study information and data about themselves
- Data collection will start small and will grow over time
- Privacy and security will adhere to the highest standards
- Will invest to level the playing field so diverse researchers can play
Selected Scientific Opportunities

- Develop quantitative estimates of risk for a range of diseases by integrating environmental exposures and genetic factors.
- Identify the causes of individual variation in response to commonly used therapeutics = pharmacogenomics.
- Discover biological markers that signal increased or decreased risk of developing common diseases.
- Develop solutions to health disparities.
- Use mobile health technologies to correlate activity, physiological measures, and environmental exposures with health outcomes.
- Empower study participants with data and information to improve their own health.
- Create a platform to enable trials of targeted therapies.
• Able to enroll diverse patient populations
• Strong electronic health record capacity
• Geographic spread
• Capacity to enroll 35,000 a year
• Develop and pilot health center approaches for enrolling underserved populations, especially those historically underrepresented in biomedical research

• A collaboration with the Health Resources and Services Administration (HRSA) and the MITRE Corporation
HPOs: VA Medical Centers

- Invite veterans to enroll in the All of Us℠ Research Program at participating VA medical centers
- A collaboration with the Department of Veterans Affairs and the Million Veteran Program, a national, voluntary research program studying how genes affect health
- 20 participating sites anticipated
Contact

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