



The Office of the National Coordinator for  
Health Information Technology  
Health IT Advisory Committee

# Office of the Chief Scientist Updates

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# The Precision Medicine Initiative (PMI)

A federal effort launched in 2015

**MISSION:** To enable a new era of medicine through research, technology, and policies that empower patients, researchers, and providers to work together 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 will inform a variety of research studies**



## Mission

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

<https://allofus.nih.gov/>

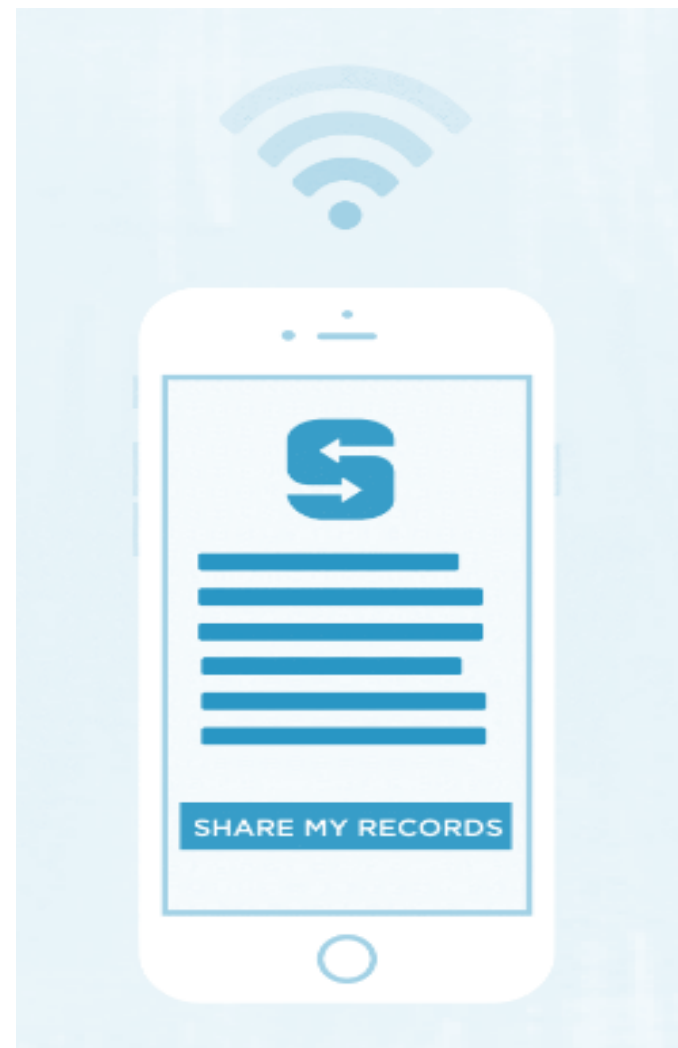
# ONC PMI Activities

- **Sync for Science Pilot**
- **Sync for Science Application Programming Interface (API) Privacy and Security**
- **Sync for Genes**

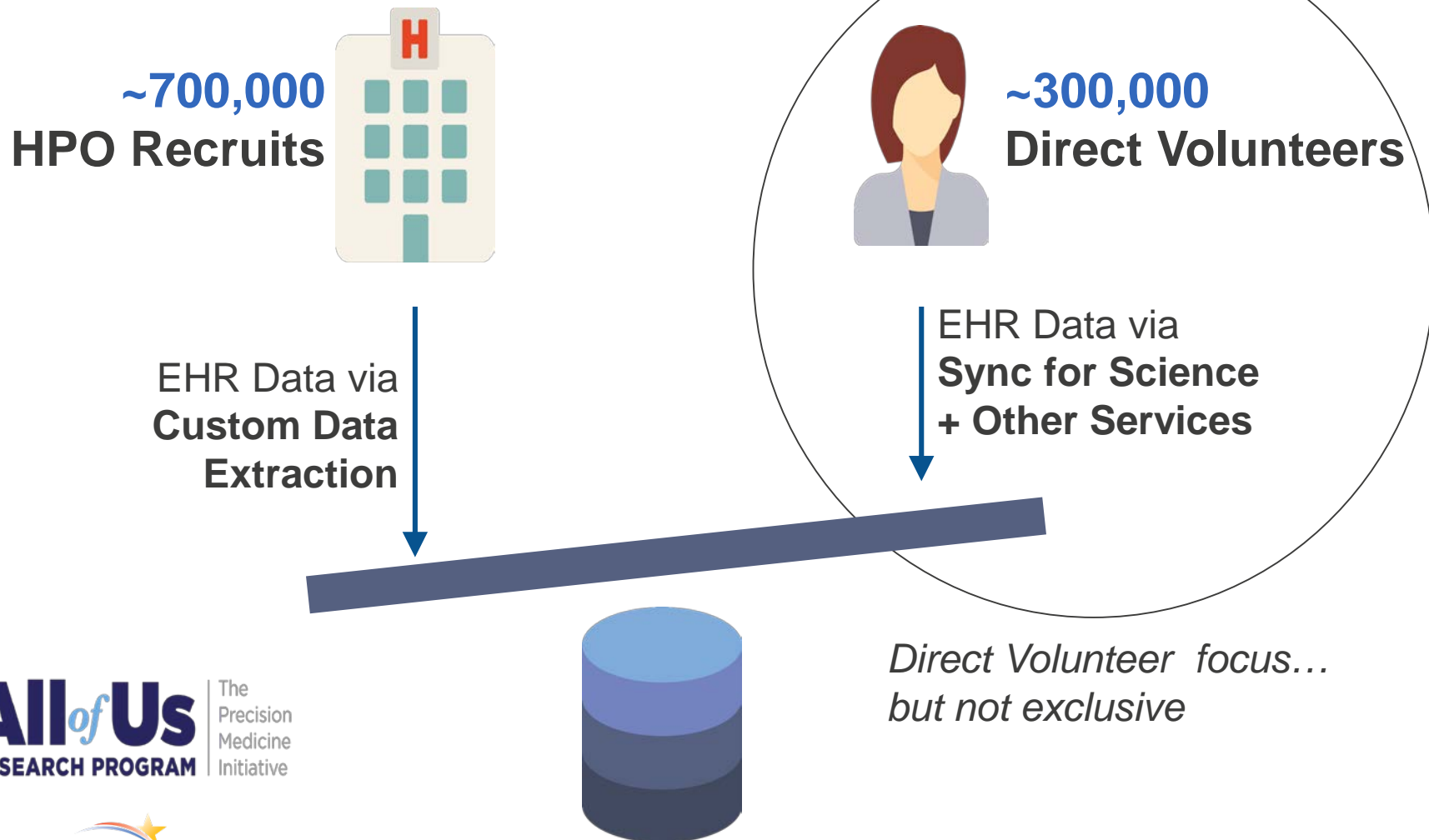
<https://healthit.gov/topic/precision-medicine>

- **With a click of a button, individuals will be able to voluntarily share their health data to help scientists perform groundbreaking research**

Patients Sharing EHR Data



# S4S As Component of *All of Us* DV Program



# S4S Pilot Provider Clinical Sites – Patients in All of Us S4S Pilot

- External Site
- AoU FQHC
- AoU HPO

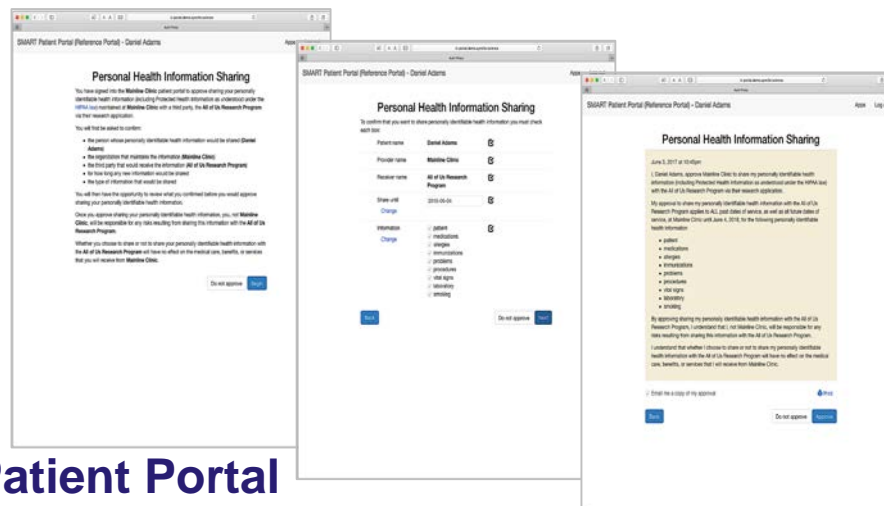


## Research App



*With a few clicks, research participants can share their EHR data*

Patient  
Portal  
Login



Approve  
Sharing  
EHR  
Data



# Sync for Science Application Programming Interface (API) Privacy and Security

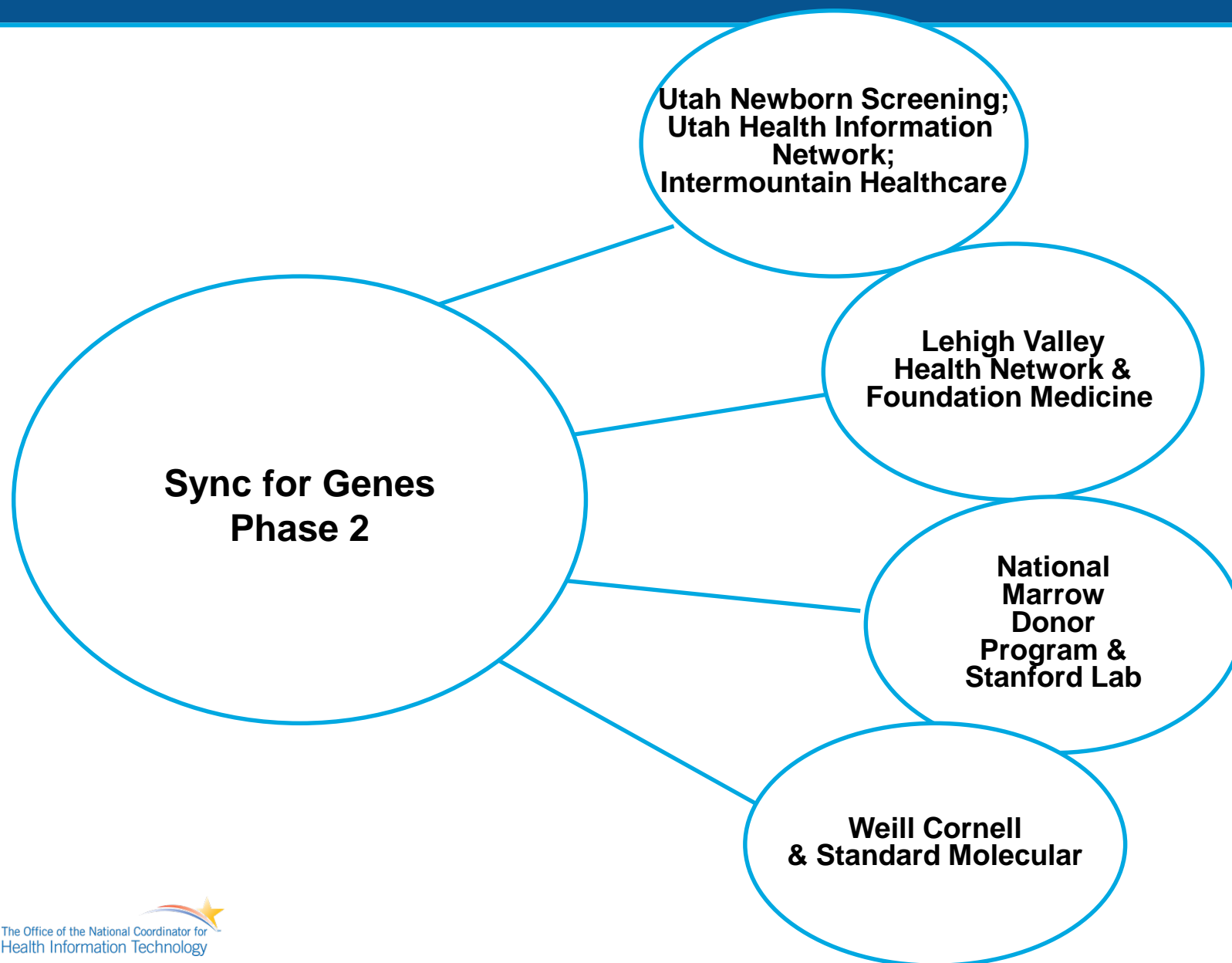
- Technical and administrative testing, analysis, and assessment of APIs developed under the S4S Pilot Project
- In accordance with applicable PMI Privacy and Trust Principles (PMI Privacy Principles) and the PMI Data Security Policy Principles and Framework (PMI Security Principles)

<https://www.healthit.gov/apiprivacysecurity>

# Sync for Genes

- To standardize the sharing of genomic information between laboratories, providers, patients, and researchers
- Phase 1
  - » [https://www.healthit.gov/sites/default/files/sync\\_for\\_genes\\_report\\_november\\_2017.pdf](https://www.healthit.gov/sites/default/files/sync_for_genes_report_november_2017.pdf)
- Recently launched Phase 2

# Sync for Genes: Phase 2





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