Analytics, Big Data, and Partnerships

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Population Health

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Precision medicine/health

PRESIDENT OBAMA'S PRECISION MEDICINE INITIATIVE WOULD HELP DEVELOP BETTER TREATMENTS FOR DISEASES LIKE CANCER BY:
- Accelerating the design and testing of effective treatments tailored to individual patients
- Expanding genetically based clinical cancer trials
- Establishing a national "cancer knowledge network" to guide treatment decisions

ARE WE PREPARED TO CAPTURE AND USE SOCIAL DETERMINANTS OF HEALTH?

SDOH

Economic Stability
Neighborhood and Built Environment
Education
Social and Community Context
Health and Health Care
EPIGENOME

What makes the epigenome change?

Lifestyle
Environmental factors (such as smoking, diet and infectious disease)

*Ability of the epigenome to adjust to the pressures of life appears to be required for normal human health.*

Synergy - Collaboration

**CTSAs**

**PCORI**