HARNESSING OPEN DATA AND AI FOR HEALTH

TOP HEALTH WAS LED BY

Gil Abraham, Presidential Innovation Fellow with U.S. General Services Administration

Kasson Moses, Innovation in Residence at the U.S. Department of Agriculture and Human and Health Services

Federal agencies provided curated datasets on Healthdata.gov and Data.gov with access to the data stewards.

CHALLENGE #1: ARTIFICIAL INTELLIGENCE (AI) TEAMS

7 TEAMS WORKED TO IMPROVE HOW PATIENTS ARE MATCHED TO CLINICAL TRIALS AND EXPERIMENTAL THERAPIES

The 21st Century Cures Act of 2016 and the Right to Try Act of 2017 help inspire and frame the two challenges.

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COLLABORATING AGENCIES including

Philips Research

Microsoft

Oak Ridge National Laboratory

Oracle

TOP HEALTH BEGAN IN OCTOBER 2018

14 WEEKS

10 TEAMS

DEVELOPED AND DELIVERED DIGITAL TOOLS TO ADDRESS HEALTH CHALLENGES

11 PRODUCTS AND PROTOTYPES

RESULTED IN DATA-DRIVEN DIGITAL TOOLS TO BENEFIT THE AMERICAN PUBLIC

CHALLENGE #2: LYME AND TICK-BORNE DISEASE TEAMS

4 TEAMS DEVELOPED CAPABILITIES TO SUPPORT DATA-DRIVEN DECISIONS FOR THE PREVENTION, EDUCATION AND SCIENCE TO IMPROVE PUBLIC HEALTH OUTCOMES RELATED TO TICK-BORNE DISEASES

TOP Health also illustrates real-world value as government data is unlocked for public use as machine-readable ‘open data,’ per the January 2019 signed Foundations for Evidence-based Policymaking Act.

COLLABORATING ORGANIZATIONS including

This initiative is a collaboration between the Presidential Innovation Fellows Program (PIF) at the General Services Administration (GSA) and the Office of the Chief Technology Officer (CTO) at the U.S. Department of Health and Human Services (HHS).

Gil Alterovitz, Presidential Innovation Fellow at the U.S. General Services Administration

Kristen Honey, Innovator in Residence at the U.S. Department of Human and Health Services

TOP Health was modeled in part after The Opportunity Project (TOP) led by the Census Bureau at the U.S. Department of Commerce. TOP is a process for engaging government, communities, and the technology industry to create digital tools that address our greatest challenges as a nation.

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This work advanced priorities recently identified in the American AI Initiative, established by executive order in February 2019.

TOP Health took place as part of the Obama Innovation Project (TOP) that was created within the U.S. Department of Commerce’s CTO, and the Obama Innovation Team that was sponsored by the CTO. It brought together a range of government agencies and organizations, and the technology industry, to envision and design a set of diverse new digital tools to improve services.