Purpose of this document: A lot of work has already been done by various companies and organizations that can be useful in the response to COVID-19. In an effort to be comprehensive about that work, identify what gaps exist, and what challenges remain, we ask you to contribute to the below sections in advance of Wednesday’s call.

COVID-19 Tech Taskforce
Workstream Name: Clinical Health Data

Members: AWS, Color Genomics, Emsi, Gates, Google, Ro, NAVIGO

Goals and opportunities
To assist researchers at the CDC, academic institutions, and other public-health officials, capture clinical location data to assess resource capacity, effectiveness of policy interventions, community education, and disease surveillance.

Planned operation outcome
Identify and provide clinical datasets for use in developing forecasting models and informing disease surveillance.

Existing data
For this section, we have put together the high-level information we received on the call, please add additional information or correct any errors.

• Other known working groups / efforts
  • NAVIGO is has a public facing assessment that could be used for screening, education, data creation/collection, and other ideas to help improve the interaction at testing centers. Prototype here: https://covid-19.navigo.cc/coronavirus/covid-19-my-risk-assessment

Concerns
For this section, we have put together the high-level information we received on the call, please add additional information or correct any errors.

• Privacy
• BAAs / PHI
• Coordination
• Redundancy
• Sparsity of data / data quality
• Pipeline access/aggregation/hosting
• Choke Points in testing processes
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COVID-19 Tech Taskforce
Workstream Name: Location Data

Members: Camber, ESRI, Facebook, Google, Harvard School of Public Health, Nielsen, Unacast, Uber, Veraset

Goals and opportunities
To assist researchers at the CDC, academic institutions, and other public-health officials, capture non-clinical location data to assess contact rates, social distancing, effectiveness of policy interventions, and disease surveillance.

Planned operation outcome
Identify and provide non-clinical geolocation datasets for use in developing forecasting models and informing disease surveillance.

Existing data
For this section, we have put together the high-level information we received on the call, please add additional information or correct any errors.

• Veraset/Unacast/Camber. Mobile location data.
• Uber. Trip data.
• Google. Search data.
• Esri. Hospital location data, bed capacity/utilization.
• Nielsen. Media behavior changes.

Other known working groups / efforts

Concerns
For this section, we have put together the high-level information we received on the call, please add additional information or correct any errors.

• Privacy
• Coordination
• Redundancy
• Sparsity of data / data quality
• Pipeline access/aggregation/hosting
Purpose of this document: A lot of work has already been done by various companies and organizations that can be useful in the response to COVID-19. In an effort to be comprehensive about that work, identify what gaps exist, and what challenges remain, we ask you to contribute to the below sections in advance of Wednesday’s call.

COVID-19 Tech Taskforce
Workstream Name: Hosting and Privacy

Members: AWS, ESRI, Facebook, Google, Harvard School of Public Health, Microsoft, Mozilla, Salesforce

Goals and opportunities
To assist researchers at the CDC, academic institutions, and other public-health officials, capture non-clinical location data to assess contact rates, social distancing, effectiveness of policy interventions, and disease surveillance.

Planned operation outcome
Create a secure, privacy respecting environment for researchers to aggregate and analyze data to forecast and model COVID-19 related location and clinical data.

Existing data
For this section, we have put together the high-level information we received on the call, please add additional information or correct any errors.

Other known working groups / efforts

Concerns
For this section, we have put together the high-level information we received on the call, please add additional information or correct any errors.

• Privacy
• Security / compliance
• Coordination
• Redundancy
• Pipeline access/aggregation/hosting
• Authentication/Authorization
• Data retention
• Concerns about reidentification, “deanonymization” and joining multiple datasets.
• Limitations on repurposing of data provided for non-coronavirus related purposes
• Limitations on providing data on non-United States persons