RE: De-Brief Later Today

From: "Wilson, Matt B. EOP/OSTP" (b)(6)   >

To: "Kratsios, Michael J. EOP/OSTP" (b)(6) , "Droegemeier, Kelvin K. EOP/OSTP" (b)(6) >, "Waterman, Paige E. EOP/OSTP" (b)(6) , "Watson, Ian D. EOP/OSTP" (b)(6) , "Nichols, Lisa M. EOP/OSTP" (b)(6) "Lattimore, Tracie B. EOP/OSTP" <(b)(6) >, "Baum, Kristina R. EOP/OSTP" (b)(6) >, "Hunter, Jordan C. EOP/OSTP" (b)(6) , "Hernandez, Elena R. EOP/OSTP" (b)(6) "Parker, Lynne E. EOP/OSTP" (b)(6) , "Casey, Winter EOP/OSTP" (b)(6)

Cc: "Bonyun, Sean C. EOP/OSTP" (b)(6)

Date: Sun, 15 Mar 2020 20:23:17 -0400

Attachments: Tech Task Force 15Mar20 - Raw Notesv2.docx (26.76 kB)

All-

(b) (5)

Matt

From: Kratsios, Michael J. EOP/OSTP (b)(6) >
Sent: Sunday, March 15, 2020 7:20 PM
To: Droegemeier, Kelvin K. EOP/OSTP (b)(6) ; Wilson, Matt B. EOP/OSTP (b)(6) Waterman, Paige E. EOP/OSTP (b)(6) ; Watson, Ian D. EOP/OSTP (b)(6) ; Nichols, Lisa M. EOP/OSTP (b)(6) Lattimore, Tracie B. EOP/OSTP (b)(6) Baum, Kristina R. EOP/OSTP (b)(6) Hunter, Jordan C. EOP/OSTP (b)(6) ; Hernandez, Elena R. EOP/OSTP (b)(6) Parker, Lynne E. EOP/OSTP (b)(6) Casey, Winter EOP/OSTP <(b)(6)
Cc: Bonyun, Sean C. EOP/OSTP (b)(6)
Subject: RE: De-Brief Later Today

(b) (5), (b) (6)

Thanks!

From: Droegemeier, Kelvin K. EOP/OSTP <(b)(6)
Sent: Sunday, March 15, 2020 3:30 PM
To: Wilson, Matt B. EOP/OSTP (b)(6) Waterman, Paige E. EOP/OSTP
(b)(6) Watson, Ian D. EOP/OSTP (b)(6) Nichols,
Lisa M. EOP/OSTP (b)(6) Lattimore, Tracie B. EOP/OSTP
(b)(6) Kratsios, Michael J. EOP/OSTP
(b)(6) Baum, Kristina R. EOP/OSTP (b)(6)
Hunter, Jordan C. EOP/OSTP (b)(6) ; Hernandez, Elena R. EOP/OSTP
(b)(6) ; Parker, Lynne E. EOP/OSTP (b)(6)
Cc: Bonyun, Sean C. EOP/OSTP (b)(6)
Subject: De-Brief Later Today

Hi all,

Let's do a call at 7 pm (b) (5) . Sean, would you please send the
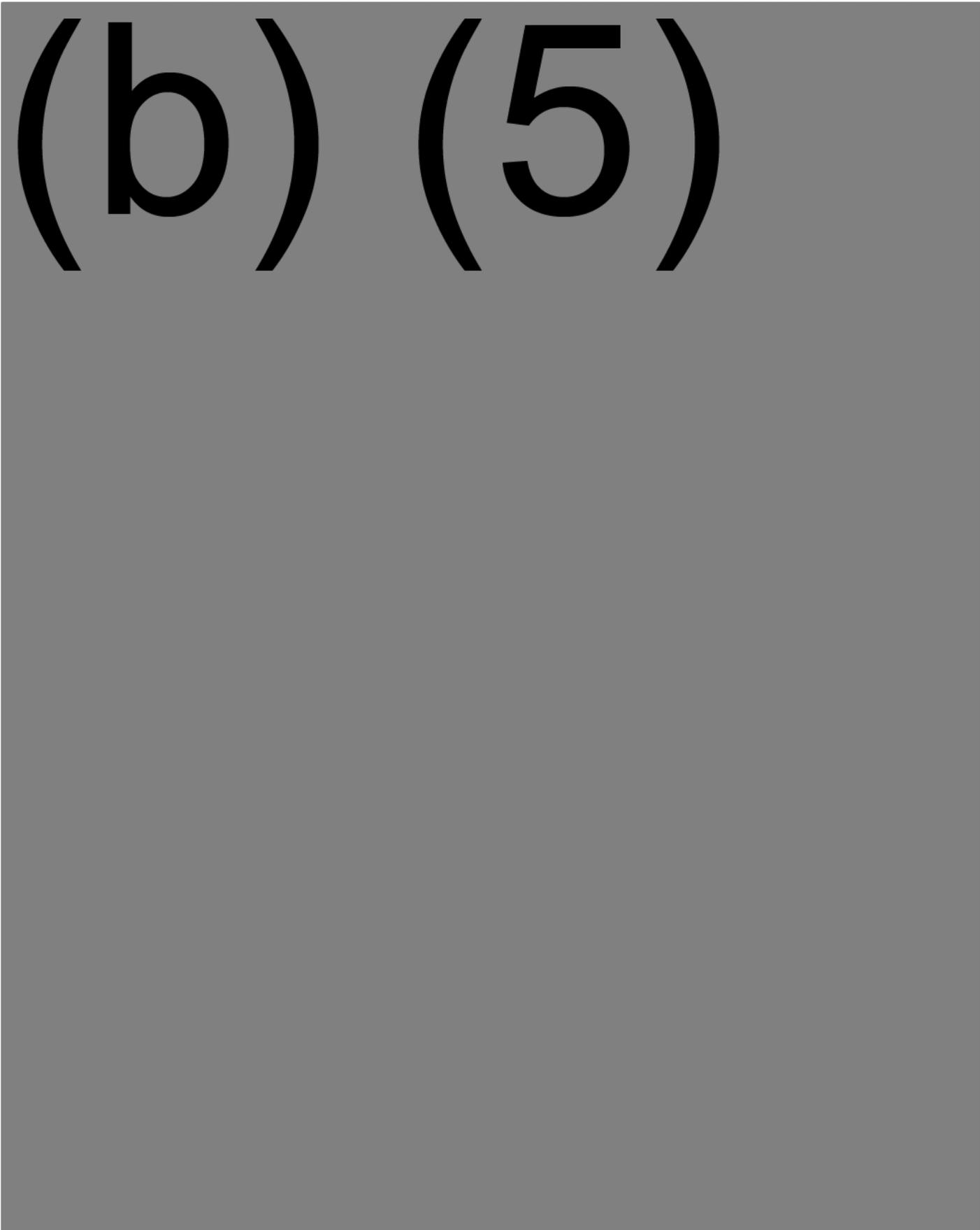number?

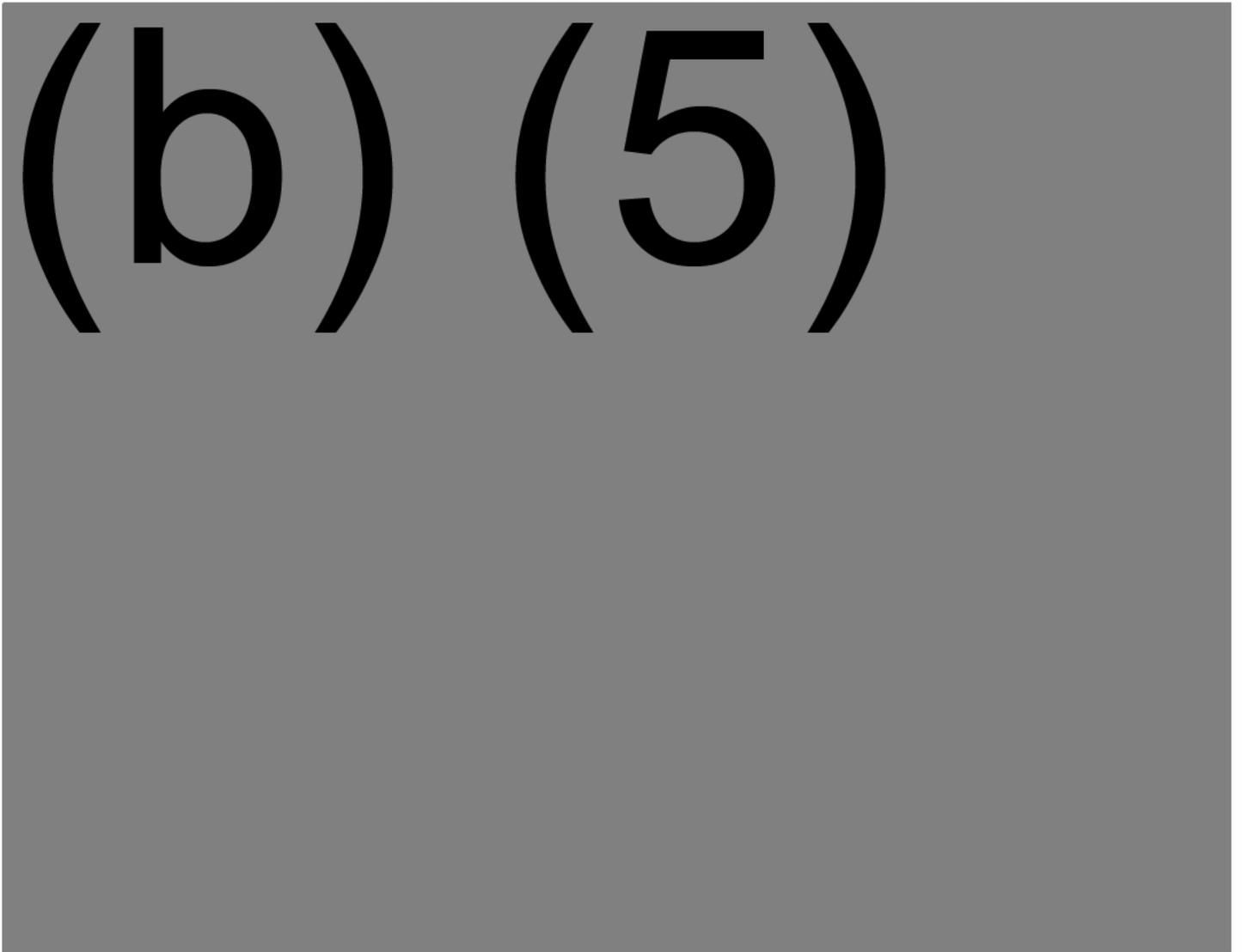Thanks!

Kelvin

(b) (5)

[APG]

(b) (5)

[APG]

(b) (5)

[APG]

(b) (5)

[APG]

4

(b) (5)

[APG]

FW: Raw Notes from Call

From:	"Kratsios, Michael J. EOP/OSTP" (b)(6) [REDACTED] [REDACTED]">
To:	"Hernandez, Elena R. EOP/OSTP" (b)(6) [REDACTED]
Date:	Sun, 15 Mar 2020 20:07:37 -0400
Attachments:	Tech Task Force 15Mar20 - Raw Notes.docx (26.04 kB)

From: Wilson, Matt B. EOP/OSTP (b)(6) [REDACTED]
Sent: Sunday, March 15, 2020 4:14 PM
To: Parker, Lynne E. EOP/OSTP (b)(6) [REDACTED]
Cc: Kratsios, Michael J. EOP/OSTP (b)(6) [REDACTED]
Subject: Raw Notes from Call

Lynne-

(b) (5)

Matt

Matthew B. Wilson, PhD
Senior Policy Analyst
Office of Science and Technology Policy
Executive Office of the President
1650 Pennsylvania Avenue, NW
Washington, DC 20502
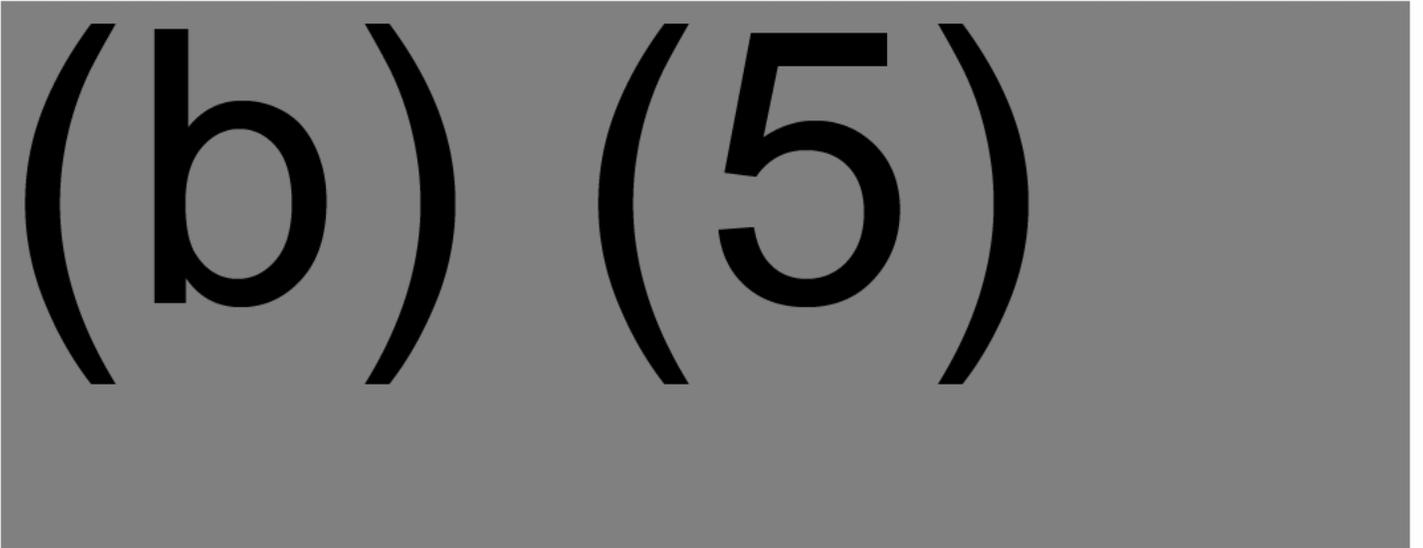(b)(6) [REDACTED]

1

(b) (5)

[APG]

(b) (5)

[APG]

(b) (5)

[APG]

(b) (5)

[APG]

(b) (5)

[APG]

Re: [EXTERNAL] Follow-Up to Today's COVID-19 Task Force Call

From: Madi Jacox (b)(6)

To: "Kratsios, Michael J. EOP/OSTP" (b)(6)

Date: Sun, 15 Mar 2020 18:58:42 -0400

Truly nothing I'd rather be doing! Born and raised in Seattle, now live in New York – need to do whatever we can.

Don't hesitate to email or call (b) (6) if I can be of help.

Thanks,

Madi

On Sun, Mar 15, 2020 at 3:55 PM Kratsios, Michael J. EOP/OSTP <(b)(6) wrote:

> Many thanks for all your help pulling this together!

From: Madi Jacox (b)(6)
Sent: Sunday, March 15, 2020 6:35 PM
To: Dave Zvenyach (b)(6)
Cc: Kaplan, Melanie (b)(6) Anderson, Blair
(b)(6) ; Ward, Michael <(b)(6) Bud Tribble <(b)(6) ;
Ian Allen <(b)(6) Navin Vembar <(b)(6) ; Maria Comella
(b)(6) Othman Laraki (b)(6) Alicia Zhou
(b)(6)
Patty Mims <(b)(6) David Blazes
(b)(6) ; Micah Gellman (McKinsey Secondment)
(b)(6) >; Ruha Devanesan (b)(6) ; Lee Carosi Dunn
(b)(6) Joel Minton (b)(6) Josh Mendelsohn (b)(6) ;
Madison Jacox <(b)(6) Mike Ference <(b)(6)
(b)(6) ; Peter Lee (RESEARCH) (b)(6)
(b)(6) ; Sarah Cummings (b)(6) >; Mainak Mazumdar
(b)(6) ; Adam Greenberg (b)(6) ; Auren Hoffman
(b)(6) ; Cheryl Timoney (b)(6)
(b)(6) ; Ben Finkel (b)(6) ; Ron Conway <(b)(6) Julie
Samuels (b)(6) ; Liz Lee <(b)(6) Matthew Devlin
(b)(6) >; Thomas Walle (b)(6)
Parker Ence <(b)(6) ; Parker, Lynne E. EOP/OSTP
<(b)(6) >; Wilson, Matt B. EOP/OSTP <(b)(6)
Kratsios, Michael J. EOP/OSTP (b)(6)
Subject: [EXTERNAL] Follow-Up to Today's COVID-19 Task Force Call

Hi, All –

Many thanks for joining us in kicking off our response to COVID-19.

A few notes and next steps, below –

If you shared dial-in information for today's call with a colleague, please let me know. I will add their email to future communications. In the interim, please forward this email to those you included.

We've divided into three workstreams:
1. Location data source / inputs.
2. Clinical health data sources / inputs.
3. Data hosting, aggregation, and privacy.

If you would like to participate in these workstreams, please send Dave Zvenyach an email at (b)(6)   . In an effort to be comprehensive about that work, identify what gaps exist, and what challenges remain, Dave is developing draft charters for each workstream that will anchor our work in the immediate future and beyond Wednesday's call (an example of these draft charters is attached). He will be setting up meetings on Tuesday afternoon for each of the workstreams.

Picking up on Peter Lee's comment, we want to ensure that we have raised / discussed major considerations before reconvening as a larger group on Wednesday afternoon. To that end, if you have any specific comments or concerns on any of the workstreams that you want raised during the Tuesday workstream meeting, please email the comments, concerns, and questions to Dave ASAP.

Thank you for the suggestion about ensuring tight coordination with various other workstreams. In the spirit of that suggestion:
1. Josh will be working closely with Lynne to ensure that we are plugged in

appropriately with other existing government coordination mechanisms;
2. We will defer specific work on the telemedicine initiative to that being led by

CTIA; and
3. For each workstream, we are including a topic of discussion to source other

known working groups, efforts, and opportunities to coordinate our efforts.

Finally, you should have been added to a Slack channel for increased and coordinated communication. Please email me if you still need to be added.

Any additional questions, don't hesitate to be in contact.

A huge thank you for working so quickly, let's get moving –

Madi Jacox

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Investor | hangar.is

RE: [EXTERNAL] Follow-Up to Today's COVID-19 Task Force Call

From:	"Parker, Lynne E. EOP/OSTP" (b)(6)
To:	Madi Jacox (b)(6)
Cc:	"Parker, Lynne E. EOP/OSTP" (b)(6)
Date:	Sun, 15 Mar 2020 19:36:55 -0400

Many thanks.

From: Madi Jacox (b)(6)
Sent: Sunday, March 15, 2020 7:01 PM
To: Parker, Lynne E. EOP/OSTP (b)(6)
Subject: Re: [EXTERNAL] Follow-Up to Today's COVID-19 Task Force Call

Hi, Lynne –

Thanks for the notes. I was too quick to send this out! The names you copied should be added now.

Re: existing government coordination, fellow by the name of Rakesh Bharania, I believe: Director, Humanitarian Impact Data at Salesforce (b)(6)

Madi

On Sun, Mar 15, 2020 at 3:54 PM Parker, Lynne E. EOP/OSTP
(b)(6)   wrote:

> Thanks, Madi. We forwarded the invitation to Joe Bresee (b)(6)   ), Matt Biggerstaff
> (b)(6)   ), Alan Davidson (b)(6)   , Rob Sentz (b)(6)
> Andrew Crapuchettes (b)(6)   ), and Daniel Gross ((b)(6)   ). I
> hope I'm not forgetting someone!
>
> Also, for the second item #2, the industry association is CTA (not CTIA).
>
> Also, who was the gentleman who talked about existing government coordination mechanisms? Can
> you share his email?
>
> Thanks,
> Lynne

From: Madi Jacox <(b)(6)
Sent: Sunday, March 15, 2020 6:35 PM
To: Dave Zvenyach (b)(6)
Cc: Kaplan, Melanie (b)(6)   ; Anderson, Blair
(b)(6)   ; Ward, Michael (b)(6)   Bud Tribble
(b)(6)   ; Ian Allen (b)(6)   Navin Vembar
(b)(6)   Maria Comella (b)(6)   >; Othman Laraki
(b)(6)   ; Alicia Zhou (b)(6)
                                                    Patty Mims (b)(6)
                    ; David Blazes (b)(6)   Micah Gellman (McKinsey
Secondment) (b)(6)   Ruha Devanesan (b)(6)   ; Lee
Carosi Dunn (b)(6)   Joel Minton <(b)(6)   ; Josh Mendelsohn
(b)(6)   ; Madison Jacox (b)(6)   Mike Ference (b)(6)
                                        ; Peter Lee (RESEARCH)
(b)(6)   ; Sarah Cummings
(b)(6)   ; Mainak Mazumdar (b)(6)   >; Adam
Greenberg (b)(6)   Auren Hoffman (b)(6)   >; Cheryl Timoney
(b)(6)   Ben Finkel
(b)(6)   ; Ron Conway (b)(6)   ; Julie Samuels (b)(6)   ; Liz Lee
(b)(6)   ; Matthew Devlin (b)(6)   Thomas
Walle <(b)(6)   Parker Ence
<(b)(6)   ; Parker, Lynne E. EOP/OSTP (b)(6)   >; Wilson, Matt B.
EOP/OSTP (b)(6)   ; Kratsios, Michael J.
EOP/OSTP <(b)(6)   >
Subject: [EXTERNAL] Follow-Up to Today's COVID-19 Task Force Call

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Any additional questions, don't hesitate to be in contact.

A huge thank you for working so quickly, let's get moving –

Madi Jacox

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Investor | hangar.is

RE: [EXTERNAL] COVID-19 Tech and Research Task Force: Working Group Calls

From: "Parker, Lynne E. EOP/OSTP" (b)(6)

To: "Wilson, Matt B. EOP/OSTP" (b)(6) , "Kratsios, Michael J. EOP/OSTP" (b)(6) >

Cc: "Parker, Lynne E. EOP/OSTP" (b)(6)

Date: Mon, 16 Mar 2020 20:16:35 -0400

Thanks, Matt. (b) (5)

From: Wilson, Matt B. EOP/OSTP (b)(6)
Sent: Monday, March 16, 2020 7:42 PM
To: Parker, Lynne E. EOP/OSTP <(b)(6)   Kratsios, Michael J. EOP/OSTP (b)(6)
Subject: RE: [EXTERNAL] COVID-19 Tech and Research Task Force: Working Group Calls

Just MK and Lynne

(b) (5)

Matt

From: Madi Jacox (b)(6)
Sent: Monday, March 16, 2020 7:34 PM
To: Parker, Lynne E. EOP/OSTP (b)(6) ; Wilson, Matt B. EOP/OSTP (b)(6) ; Kratsios, Michael J. EOP/OSTP (b)(6)
Cc: Dave Zvenyach (b)(6) Josh Mendelsohn (b)(6)
Subject: [EXTERNAL] COVID-19 Tech and Research Task Force: Working Group Calls

Hi, Lynne, Matt, and Michael –

Informing you of three working group calls taking place tomorrow,
1. Privacy and Hosting (1:00-2:20pm EST)
2. Location Data (2:30-3:50pm EST)
3. Clinical Data (4:00-5:20pm)

The goal is to illicit initial ideas and concerns from the community that is participating in each call – our broader Task Force has broken into these three sub-groups for quick sprints around charter-drafting and work output.

Including you on calendar invites in the event you would like to listen in, although no pressure to do so.

We'll be coming back together as a broader group on Wednesday (03/18) at 3pm EST to share learnings.

Thanks,

Madi

--
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RE: [EXTERNAL] COVID-19 Tech and Research Task Force: Working Group Calls

<table>
<tr><td>From
:</td><td>"Parker, Lynne E. EOP/OSTP"(b)(6)</td></tr>
<tr><td>To:</td><td>Madi Jacox(b)(6)   "Wilson, Matt B. EOP/OSTP"
(b)(6)   , "Kratsios, Michael J. EOP/OSTP"
(b)(6)</td></tr>
<tr><td>Cc:</td><td>Dave Zvenyach (b)(6)   Josh Mendelsohn (b)(6)   >, "Parker, Lynne E.
EOP/OSTP" (b)(6)   ></td></tr>
<tr><td>Date:</td><td>Mon, 16 Mar 2020 20:18:54 -0400</td></tr>
</table>

Thanks much, Madi! We look forward to getting an update from you, at your earliest convenience.

Lynne

From: Madi Jacox (b)(6)
Sent: Monday, March 16, 2020 7:34 PM
To: Parker, Lynne E. EOP/OSTP (b)(6)   Wilson, Matt B. EOP/OSTP
<(b)(6)   Kratsios, Michael J. EOP/OSTP (b)(6)
Cc: Dave Zvenyach (b)(6)   ; Josh Mendelsohn <(b)(6)   >
Subject: [EXTERNAL] COVID-19 Tech and Research Task Force: Working Group Calls

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Thanks,

Madi

--
Investor | hangar.is

[EXTERNAL] Re: COVID19 Tech group

From: Madi Jacox <(b)(6)

To: Christopher Padilla (b)(6)

Cc: Josh Mendelsohn <j(b)(6)

Date: Mon, 16 Mar 2020 14:08:15 -0400

Many thanks, Lynne, moving you to bcc.

Chris, wonderful to be connected and hear that IBM is eager to help. Happy to jump on the phone today to give you a high-level overview of work to date. 3-4pm EST and 6pm EST on are open.

In advance, we have three working groups moving forward on initiatives:
1. Location data to enable researchers and decision makers
2. Clinical data to enable researchers decisionmakers
3. Hosting and privacy to architect a safe and secure environment for the above
Would love to plug IBM in wherever might be best.

Finally, we have calls scheduled tomorrow for our smaller working groups (Privacy/Hosting at 1pm Location Data at 2:30pm), and Wednesday (3-4pm EST) with the broader Task Force. Calendar invites forthcoming, but of course more than happy to include any additional folks from IBM.

On Mon, Mar 16, 2020 at 10:52 AM Parker, Lynne E. EOP/OSTP (b)(6)   > wrote:

> Hi Chris -- I'm copying Josh Mendelsohn and Madi Jacox, from Hangar, who have set up this industry group to help collectively address some tech-based COVID-19 activities. They can fill you in on this industry group's efforts.
>
>
> Madi/Josh – IBM is eager to help. Please loop them into your industry group's activities.
>
>
> Many thanks,
>
> Lynne
>
>
> *Lynne E. Parker, Ph.D.*
>
> Deputy Chief Technology Officer of the United States
>
> The White House

Office: (b)(6)

--
Investor | hangar.is

[EXTERNAL] COVID-19 Tech and Research Task Force:
Updated Workstream Documents

From:	Madi Jacox (b)(6)
To:	"Parker, Lynne E. EOP/OSTP" (b)(6) , "Wilson, Matt B. EOP/OSTP" (b)(6) , "Kratsios, Michael J. EOP/OSTP" (b)(6)
Cc:	Dave Zvenyach (b)(6) Josh Mendelsohn (b)(6)
Date:	Tue, 17 Mar 2020 20:19:12 -0400
Attachments:	Clinical Health Data Workstream.pdf (56.45 kB); Hosting & Privacy Data Workstream.pdf (45.54 kB); Location Data Workstream.pdf (64.75 kB)

Good Evening, OSTP –

Attached, please find our updated workstream documents. In advance of tonight's update email, I want to make sure you have access to what will otherwise be presented via Google Doc.

Looking forward to diving into these further on tomorrow's call.

Be well,

Madi

--
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COVID-19 Tech Taskforce
Workstream Name: Clinical Health Data

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

Goals and opportunities

- Assist researchers at the CDC, academic institutions, and other public-health officials to capture clinical location data to assess resource capacity, effectiveness of policy interventions, community education, and disease surveillance.
- Gather patient information (including behaviors, symptoms, and risk factors) in order to create a model that can act as a high-value entry point.
- Assist health systems with de-identification and anonymization tasks.
- Understand and comply with relevant privacy and health regulation without impeding our effectiveness.
- Clearly define the problem we are trying to solve so we can coordinate and execute as quickly and effectively as possible.
- Leverage data to help prevent an unnecessary bottleneck on our medical resources.
- Clearly identify the symptoms of COVID-19 in particular geographies to promote effective testing and healthcare response.

Planned operation outcome

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

Ideal operation outcomes [disclaimer: we don't know whether any/all of these are likely or their feasibility; they're meant to be illustrative of the types of analyses possible with broader clinical-data availability]

- Aggregate accurate information at federal, state, and county level.
- Develop forecast models predicting incidences and correlating them to key data points, like number of available hospital beds and resource needs.
- Maximize limited testing resources by ensuring that the right groups of individuals are tested. For instance, this could be determined based on the location data of individuals who have tested positive.
- Along with location-based information, determine the cause of the spread of COVID-19 and mitigate continued spread. For instance, consider creating a rating system indicating the danger of the spread of COVID-19 in certain communities.
- Track the different strains and expressions of the illness. There are multiple strains of varying severity in Europe.
- Develop contact tracing solutions to help reduce spread at the top of the funnel. This approach has been used successfully in other countries.

- Follow interoperability standards like FHIR to allow for easier collaboration.
- Understand comorbidity, including the symptoms displayed and how they manifest so healthcare can improve outcomes.
- Determine whether task force resources are best spent assisting CDC and other agencies with their own questions, or in posing our own.
- Reduce the likelihood of additional mutagenesis. This could include a review of the potential presence of the virus in the United States at an earlier stage.
- Provide treatments tailored to specific strains of COVID-19. Two key considerations:
    - (1) Maintain a supply chain that accurately allocates emerging medicines;
    - (2) Set clear guidelines and establish a decision tree reflecting the risk/reward of particular kinds of treatments in different geographies.
- Understand interagency / intergovernmental collaboration and information sharing.

Other known working groups / efforts
- NAVIGO 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:
  (b) (4)
- CTA's public link to telehealth companies questionnaire
- There is a substantial amount of interagency / intergovernmental work that is already happening; one of the challenges will be to ensure appropriate coordination among government entities and the task force.

Concerns

- Working effectively while complying with regulation, including HIPAA and PHI, and maintaining ethical data-sharing policies. Key considerations here will be understanding who is using the data (e.g., is it open source) and what level of precision will be provided.
- One meta-consideration is the government's tolerance for data aggregation / centralization. I.e., should we (1) gather large amounts of data and allow for good centralized governance to use that data to make decisions or (2) should we work to narrow the scope of questions now so we don't expend time sorting through information after we've gathered it?

COVID-19 Tech Taskforce
Workstream Name: Hosting and Privacy

Members: AWS, Camber, ESRI, Facebook, Google, Harvard School of Public Health, Microsoft, Mozilla, R4, SAP, 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

At the moment, there are no publicly available, or aggregated datasets generally available to researchers. Although some companies have aggregated data, the aggregated data are not made publicly available and, at the moment, are limited only to a set of academic researchers and epidemiologists. As of Tuesday, March 17, 2020, none of the members of the task force have agreed to share data through the task force without further definition of requirements.

Concerns

The primary concerns related to privacy relate to understanding the extent of consent at the point of data collection, considerations around deidentification and aggregation, guarding against re-identification, maintaining clear guidelines around use of data (including the roles of individuals accessing data, data storage/retention, and data reuse), and around transparency of work. Additionally, security and compliance (both technical and regulatory) present challenges for any data sharing effort.

Anticipated Deliverables

- A "Principles" document. We need a set of agreed-upon principles to help guide technical and implementation details. This will guide all subsequent deliverables for the task force.
- Assistance to entities around deidentification/anonymization efforts (provided sufficient regulatory / legal approval/authority)

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 and policy actions to prevent further spread of the disease. We should leverage existing data to make mathematically informed decisions regarding where to place resources.

Possible questions to be answered with our models

- Are social distancing policies being obeyed? Are they effective?
- Are people staying at home? How do we support them?
- What kind of specific messaging works and what doesn't to encourage desired outcomes?
- What is causing spread in one area, and how does it allow us to mitigate the risk of spread in other areas?
- What patterns are we seeing in transportation? Are people moving away from public transportation in favor of private means?
- How can we use data collected to ensure we maintain a supply chain that allows the necessary resources to be allocated to those communities that need them most (e.g., respirators, test kits, etc.)?
- How can we coordinate inbound requests to private industry for information to different companies from different agencies and branches of government?

Possible products

What are the deliverables that government needs from us? We proposed the following:

- Development of a data pipeline
- Development of coordinated dashboards
  - Ideally dashboards will be considered an authoritative source
  - Information could be gathered from WHO, CDC, and foreign governments

- ○ Information gathered could include: number of individuals tested, confirmed infected, still under investigation, school closures, unemployment, other business metrics, etc.

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. What data can we provide? What would be useful for us to gather?

- Mobile location data (Camber/Veraset/Unacast)
- Trip data (Uber)
- Dashboards (ESRI)
  - ○ Data on hospital beds, number of beds (existing), staffed beds (supported), ICU beds and bed utilization rates.
  - ○ https://coronavirus-resources.esri.com/
- Media behavior changes (Nielsen)
- Potential sociodemographic information and point of interest information

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.

- Engaging federal, state, and county government so we don't lose time in coordinating
- Complying with regulation and establishing the appropriate data aggregation threshold
  - ○ Clear messaging that data is aggregated and not personalized
  - ○ Clear about our data aggregation threshold. This will be different based on size and density of community, and whether it's an open or closed dataset
- Privacy (see Hosting/Privacy workstream)
- Coordination
- Redundancy
- Sparsity of data / data quality
- Pipeline access/aggregation/hosting
- Update frequency
- Ethics/punitive use of data
- Ensuring the models we build are effective in future, and not models of past. We need to start predicting, or we won't be helpful in allowing gov to execute on plans and policies for current use case of prevention

Requests to the government

- Who do we coordinate with in government and relevant agencies (FEMA, Census, etc.)?
- What are the top questions that we can answer for government? This information will be key in helping us inform our approach and get started more quickly
- Data use agreements
    - Public access files, public utility files
- How should we coordinate with Federal, State, and local government most effectively?

RE: [EXTERNAL] More finalized risk assessment / survey

From
:
"Droegemeier, Kelvin K. EOP/OSTP" (b)(6)

To:
"Wilson, Matt B. EOP/OSTP" (b)(6)   , "Noble, Erik U.
EOP/OSTP" (b)(6)

Date: Tue, 17 Mar 2020 09:59:14 -0400

Thanks Matt.

From: Wilson, Matt B. EOP/OSTP (b)(6)   >
Sent: Tuesday, March 17, 2020 9:08 AM
To: Droegemeier, Kelvin K. EOP/OSTP (b)(6)   Noble, Erik U. EOP/OSTP
(b)(6)
Subject: RE: [EXTERNAL] More finalized risk assessment / survey

Ian and I (b) (5)

KD-
Ian and I (b) (5)

From: Droegemeier, Kelvin K. EOP/OSTP (b)(6)
Sent: Tuesday, March 17, 2020 9:02 AM
To: Noble, Erik U. EOP/OSTP (b)(6)   Wilson, Matt B. EOP/OSTP
(b)(6)
Subject: RE: [EXTERNAL] More finalized risk assessment / survey

Good deal. (b) (5)

Good work!!

Kelvin

From: Noble, Erik U. EOP/OSTP (b)(6)
Sent: Tuesday, March 17, 2020 8:59 AM

To: Wilson, Matt B. EOP/OSTP (b)(6)
Cc: Droegemeier, Kelvin K. EOP/OSTP (b)(6) >
Subject: Re: [EXTERNAL] More finalized risk assessment / survey

(b) (5)   http://medicalcountermeasures.gov/

(b) (5)

Thank you.
-Erik

*Typed quickly from my iPhone. Please excuse typos.

Erik Noble, Ph.D. | Senior Policy Advisor
Office of Science Technology Policy | (b)(6)

All emails and replies are subject to the Freedom of Information Act

On Mar 17, 2020, at 8:17 AM, Wilson, Matt B. EOP/OSTP
(b)(6)   v> wrote:

(b) (5)

(b) (5)

Matt

Erik and Matt,

(b) (5)

Kelvin

On Mar 16, 2020, at 8:33 PM, Rob Sentz (b)(6)   > wrote:

Matt, Erik, Kelvin
Had a good call with the Hanger team today. Updating you.

What became clear was our ability to help by placing the survey we have developed inside of this project (perhaps it is the google platform) so that people can take it before they come to get tested. This could help alleviate centers and could help them prioritize higher risk people vs those that are low risk or just worried b/c their kid has a slight fever (but covid has very little impact on them).

>https://covid-19.navigo.cc/coronavirus/covid-19-my-risk-assessment<

Have you had a chance to take this yet? We are still developing it, but it is working and with some additional attention and investment we could be ready to scale big time this week.

There is a lot we could do with this:
- help screen people so Walgreens can bring higher priority people to the front
- help people self mitigate / provide recommendations on how to lower risk
- create a dataset that can be used to evaluate overall population
- can add symptom tracker to this (we are doing that now).

Let me know how we can push this into the right people. Is Hanger the best place for this now?
-R

[EXTERNAL] Re: Introductions - SAS

From: Madi Jacox (b)(6)

To: Jeff Miller (b)(6)

Cc: (b)(6) brian.vanderbloemen (b)(6) , tatanya.szeliga (b)(6) john.esham (b)(6) , grant.brooks (b)(6)

Date: Tue, 17 Mar 2020 16:59:20 -0400

Hi, Jeff –

To reiterate, we just wrapped three calls today around the working subgroups of the task force: location data, clinical data, and hosting/privacy to support proper architecture.

The best thing to do is get on the phone with SAS and plug them in directly. Unfortunately today's called have passed, but we can do our best to provide synopses of the calls, as well as a broader overview of the Task Force's work, and tee people up for tomorrow's Task Force-wide call at 3pm EST.

Thanks,

Madi

On Tue, Mar 17, 2020 at 1:51 PM Jeff Miller (b)(6) > wrote:

> Thank you for the connection, Matt. I'm adding to this email SAS' government relations team who can connect you all with their company's relevant experts.
>
>
> SAS looks forward to supporting the Tech Task Force's initiatives, and I defer to Josh and Madi on next steps or follow-ups.
>
>
> Thank you,
>
>
> Jeff
>
>
> Jeff Miller
>
> Miller Strategies, LLC
>
> (b)(6) cell
>
> >www.millerstrategies.com<

From: "Wilson, Matt B. EOP/OSTP" (b)(6)   ▷
Date: Tuesday, March 17, 2020 at 11:33 AM
To: Jeff Miller (b)(6)   Madi Jacox (b)(6)
Cc: "Parker, Lynne E. EOP/OSTP" (b)(6)
Subject: Introductions - SAS

Dear Jeff, Josh, and Madi:

I wanted to introduce Jeff and SAS to the Tech Task Force. SAS has interest and capabilities that potentially could augment the work of the Task Force. See below and attached. Apologies if you have already been connected—I wanted to err on the side of duplication as I know work is moving rapidly.

Best,

Matt

Matthew B. Wilson, PhD

Senior Policy Analyst

Office of Science and Technology Policy

Executive Office of the President

1650 Pennsylvania Avenue, NW

Washington, DC 20502

(b)(6)

Subject: SAS COVID-19 Dashboard: Is LIVE

LIVE! The dashboard is live! Attached is the two-pager we drafted to accompany the email and please use the cover note below to accompany your outreach. I would also suggest you cite the Link to the external SAS Blog's guide to "how to use the dashboard" that provides some additional context to the 'board.

We are available to meet in person or remotely to dig into the dashboard, discuss where we are deployed (and how that fed agency is or could be using SAS in the fight vs COVID-19), as well as other novel ideas for using SAS to address the myriad of challenges to the federal government associated with the outbreak.

In response to the outbreak of coronavirus worldwide and in the United States, SAS has created an interactive dashboard using SAS Visual Analytics that depicts case status, impacted locations, geographic spread and trend analysis of the novel coronavirus resulting in COVID-19. The dashboard visually conveys prior and emerging case clusters and geo-maps hotspots. This visualization informs the community as well as government and public health professionals on key public health metrics. It also is useful in informing stakeholders as to whether the threat is a localized epidemic, is under control, or is spreading and transmitting rapidly between geographic areas.

This dashboard leverages data pulled from Johns Hopkins University, which synthesizes data from World Health Organization (WHO), Centers for Disease Control and Prevention (CDC), European Centre for Disease Prevention & Control (ECDC), NHC, and DXY and is updated daily. SAS recognizes governments are dealing with a crisis. In light of the extraordinary circumstances and the public and private outpouring of resources being mustered to fight the outbreak, SAS is providing this dashboard as a public service.

The goal is to promote transparency and educate the public on the latest developments with the coronavirus. Specifically, the dashboard provides the capability to:

- View the number of new coronavirus cases within the last 10 days;
- Review trends of virus' infection rates, recovery rates, and fatality rates;
- Discover virus migration;
- Compare Wuhan, the epicenter in China, with the rest of the world;
- Analyze confirmed cases to understand recovery rates over time

Please note:

- Make sure to use Safari or Google Chrome or other browsers, NOT Internet Explorer
- After clicking on the dashboard link, you will first see the report; at the top right click "Full Report (Desktop Web)."
- To gain a State view, go to second tab "location", click other locations on button bar, scroll down to US.

- When you click on cases from TODAY on the left it will zoom into a state/county only view

--
Investor | hangar.is

Re: [EXTERNAL] COVID-19 Tech and Research Task Force: March 16 Update

From:	Madi Jacox <(b)(6)
To:	"Wilson, Matt B. EOP/OSTP" (b)(6)
Cc:	"Parker, Lynne E. EOP/OSTP" (b)(6) >
Date:	Tue, 17 Mar 2020 12:02:35 -0400
Attachments:	Clinical Health Data Workstream.pdf (58.95 kB); Hosting & Privacy Data Workstream.pdf (59.71 kB); _Location Data Workstream.pdf (57.96 kB)

Thanks for your patience, Matt!

Three workstreams, attached. As they change, I'll give a think as how to best keep you up-to-date.

On Tue, Mar 17, 2020 at 5:14 AM Wilson, Matt B. EOP/OSTP <(b)(6) > wrote:

> Hi Madi-
>
> I'd be interested in reading the charters of the three groups. However, Google Docs is blocked on our machines. Are you able to paste them into a word doc or email for Lynne and me? If you want to wait until closer to the calls today to ensure they are the latest version, that works. Thank you!
>
> Matt
>
> **From:** Madi Jacox (b)(6)
> **Sent:** Monday, March 16, 2020 8:12 PM
> **To:** Dave Zvenyach <(b)(6) >; Josh Mendelsohn (b)(6)
> **Subject:** [EXTERNAL] COVID-19 Tech and Research Task Force: March 16 Update
>
> Hi, All –
>
> To those of you that joined our efforts today, welcome. To those who have been with us for a touch longer, thank you for your continued engagement and flexibility with such tight turn-around times. Brief updates, below –

I. **Three calls will be taking place tomorrow**, to draft charters and build out more robust considerations in preparation for our Task Force-wide call on Wednesday (03/18):

  1. Hosting & Privacy (1:00-2:20pm EST)

  2. Location Data (2:30-3:50pm EST)

  3. Clinical Data (4:00-5:20pm EST)

If you or your company expressed explicit interest in one of the above, you will have received an invitation with dial-in to that meeting's calendar entry. If you would like to be included in any additional calls, please let me know. Initial invitations were sent in the interest of sparing inboxes a deluge of meetings, but all are open to those who wish to participate.

II. We will convene for our next Task Force-wide call on Wednesday (03/18) at 3pm EST. Calendar invite forthcoming.

III. Logistics –

Three working charters for Hosting & Privacy, Location Data, and Clinical Data are linked. Don't hesitate to add your thoughts, we welcome – and need – collective input.

The Slack channel is up and running, with 55 members and growing. Don't hesitate to reach out via that medium should you need to be in touch with anyone on the Task Force. Additionally, should any team members need to be added to communication efforts, let me know.

Huge, continued thanks. Looking forward to seeing many of you tomorrow. Until then, be well –

Madi Jacox

--

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--
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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

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

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

RE: [EXTERNAL] Follow up

From:	"Wilson, Matt B. EOP/OSTP" (b)(6)
To:	"Hernandez, Elena R. EOP/OSTP" (b)(6) >, "Baum, Kristina R. EOP/OSTP" (b)(6)
Cc:	"Kratsios, Michael J. EOP/OSTP" <(b)(6) >, "Parker, Lynne E. EOP/OSTP" (b)(6)
Date:	Tue, 17 Mar 2020 08:01:12 -0400
Attachments:	Tech Task Force 15Mar20 - Raw Notesv2.docx (27.78 kB)

Elena and Kristina,

(b) (5)

Matt

From: Parker, Lynne E. EOP/OSTP <(b)(6)
Sent: Tuesday, March 17, 2020 7:56 AM
To: Hernandez, Elena R. EOP/OSTP <(b)(6) Kratsios, Michael J. EOP/OSTP (b)(6) ; Baum, Kristina R. EOP/OSTP (b)(6) Wilson, Matt B. EOP/OSTP <(b)(6) >
Cc: Parker, Lynne E. EOP/OSTP (b)(6)
Subject: RE: [EXTERNAL] Follow up

(b) (5)

From: Hernandez, Elena R. EOP/OSTP (b)(6)
Sent: Tuesday, March 17, 2020 7:45 AM
To: Kratsios, Michael J. EOP/OSTP (b)(6) Parker, Lynne E. EOP/OSTP (b)(6) Baum, Kristina R. EOP/OSTP (b)(6) ; Wilson,

Matt B. EOP/OSTP <(b)(6)
Subject: RE: [EXTERNAL] Follow up

(b) (5)

From: Hernandez, Elena R. EOP/OSTP
Sent: Monday, March 16, 2020 9:59 PM
To: Michael J. EOP/OSTP Kratsios ((b)(6)
(b)(6)   Parker, Lynne E. EOP/OSTP(b)(6)
Kristina R. EOP/OSTP Baum ((b)(6)   , Wilson,
Matt B. EOP/OSTP (b)(6)
Subject: FW: [EXTERNAL] Follow up

(b) (5)

Thank you all!

From: Romm, Tony(b)(6)
Sent: Monday, March 16, 2020 9:35 PM
To: Hernandez, Elena R. EOP/OSTP(b)(6)
Cc: Baum, Kristina R. EOP/OSTP (b)(6)
Subject: Re: [EXTERNAL] Follow up

Thanks. Can you hop on the phone one last time because I do want to make sure I'm describing things accurately. (This makes it seem like the government isn't planning to use the data, which I think is the whole point -- to help you guys.) Thanks again

Tony Romm
Tech policy reporter

The Washington Post
(b)(6)
(b)(6)

From: Hernandez, Elena R. EOP/OSTP (b)(6)   >
Sent: Monday, March 16, 2020 9:33 PM
To: Romm, Tony (b)(6)
Cc: Baum, Kristina R. EOP/OSTP (b)(6)
Subject: RE: [EXTERNAL] Follow up

Sorry for the delay – here you go:

Attributable to an OSTP official: We're encouraged by American technology companies looking to leverage aggregate, anonymized data to glean key insights for COVID-19 modeling efforts. We are continuing to engage with a wide variety of companies and industry associations as part of our whole-of-America response.

From: Romm, Tony <(b)(6)
Sent: Monday, March 16, 2020 9:04 PM
To: Hernandez, Elena R. EOP/OSTP <(b)(6)
Subject: Re: [EXTERNAL] Follow up

Hola, checking back in, thanks a ton

Tony Romm
Tech policy reporter
The Washington Post
(b)(6)
(b)(6)

From: Romm, Tony <(b)(6)
Sent: Monday, March 16, 2020 7:57 PM
To: Hernandez, Elena R. EOP/OSTP (b)(6)
Subject: Re: [EXTERNAL] Follow up

Just in advance, how would we attribute this? SAO? Something else? Thanks much.

Tony Romm
Tech policy reporter
The Washington Post
(b)(6)
(b)(6)

From: Hernandez, Elena R. EOP/OSTP <(b)(6)
Sent: Monday, March 16, 2020 7:56 PM
To: Romm, Tony (b)(6)
Subject: Re: [EXTERNAL] Follow up

I'll be able to send you some written comment on background in next hour

> On Mar 16, 2020, at 7:45 PM, Romm, Tony (b)(6)   > wrote:

Hey -- this is coming together quickly. Reaching back out as promised. Any chance we can connect? Thanks.

Tony Romm
Tech policy reporter
The Washington Post
(b)(6)
(b)(6)

(b) (5)

From: "Waterman, Paige E. EOP/OSTP" (b)(6)

To: "Watson, Ian D. EOP/OSTP" (b)(6) , "George, Dylan"
(b)(6) , "Kratsios, Michael J. EOP/OSTP" < (b)(6)
"Parker, Lynne E. EOP/OSTP" (b)(6)

Cc: Ian Simon (b)(6) "O'Toole, Tara" (b)(6) , "Borio, Luciana"
(b)(6)

Date: Wed, 18 Mar 2020 07:04:13 -0400

(b) (5)

Paige

From: Watson, Ian D. EOP/OSTP (b)(6)
Sent: Wednesday, March 18, 2020 7:03 AM
To: George, Dylan (b)(6) ; Kratsios, Michael J. EOP/OSTP
(b)(6) Parker, Lynne E. EOP/OSTP (b)(6)
Cc: Ian Simon (b)(6) O'Toole, Tara (b)(6) Borio, Luciana
(b)(6) Waterman, Paige E. EOP/OSTP (b)(6)
Subject: (b) (5)

(b) (5)

Thanks.

Ian D. Watson
Assistant Director for Biotechnology & Biosecurity
Office of Science & Technology Policy
Office: EEOB (b)(6)
Unclass: (b)(6)
SIPR: (b)(6)
(b)(6)
Desk: (b)(6)
Cell: (b)(6)

From: George, Dylan (b)(6)
Sent: Tuesday, March 17, 2020 5:47 PM
To: Watson, Ian D. EOP/OSTP (b)(6)   ; Waterman, Paige E. EOP/OSTP
(b)(6)   >
Cc: Ian Simon(b)(6)   >; O'Toole, Tara (b)(6)   >; Borio, Luciana
(b)(6)
Subject: (b) (5)

Ian, Paige

(b) (5)

Dylan

Re: location data & novel coronavirus

From: (b)(6)

To: "Hernandez, Elena R. EOP/OSTP" <(b)(6)

Cc: "Kratsios, Michael J. EOP/OSTP" (b)(6)   >

Date: Wed, 18 Mar 2020 13:01:42 -0400

(b) (5)

Kristina Baum
Communications Director
Office of Science and Technology Policy
Executive Office of the President
The White House

On Mar 18, 2020, at 12:49 PM, Hernandez, Elena R. EOP/OSTP (b)(6)   > wrote:

(b) (5)

From: Kratsios, Michael J. EOP/OSTP (b)(6)   >
Sent: Wednesday, March 18, 2020 12:48 PM
To: Baum, Kristina R. EOP/OSTP (b)(6)   ; Hernandez, Elena R. EOP/OSTP
<(b)(6)
Subject: RE: location data & novel coronavirus

(b) (5)   Thanks!

From: Kratsios, Michael J. EOP/OSTP
Sent: Wednesday, March 18, 2020 12:47 PM
To: Baum, Kristina R. EOP/OSTP (b)(6)   Hernandez, Elena R. EOP/OSTP
(b)(6)   >
Subject: RE: location data & novel coronavirus

(b) (5)

From: Baum, Kristina R. EOP/OSTP (b)(6)
Sent: Wednesday, March 18, 2020 12:39 PM
To: Kratsios, Michael J. EOP/OSTP (b)(6)   ; Hernandez, Elena R. EOP/OSTP
(b)(6)
Subject: Fwd: location data & novel coronavirus

Kristina Baum
Communications Director
Office of Science and Technology Policy
Executive Office of the President
The White House

Begin forwarded message:

From: "Deere, Judd P. EOP/WHO" (b)(6)
Date: March 18, 2020 at 12:17:44 PM EDT
To: "Baum, Kristina R. EOP/OSTP" (b)(6)
Subject: FW: location data & novel coronavirus

From: Mailbox WHO Press 45 <whopress@who.eop.gov>
Sent: Wednesday, March 18, 2020 12:17 PM
To: Deere, Judd P. EOP/WHO (b)(6)
Subject: FW: location data & novel coronavirus

From: Perera, David (MLEX-USADC011) (b)(6)
Sent: Wednesday, March 18, 2020 12:15 PM
To: Mailbox WHO Press 45 (b)(6)
Subject: [EXTERNAL] location data & novel coronavirus

Hi,

Can you please confirm that the WH had convened a tech task force led by Michael Kratsios meant to use expertise from Amazon, Apple, Facebook, Google, IBM, and Clearview in order to limit the spread of novel coronavirus?

Has any decision been made about the use of smartphone location data for contact tracing or monitoring population mobility trends?

When will the next meeting be?

Thanks, Dave

MLEX Market Insight

David Perera | MLex data security and privacy reporter
perera@mlex.com | o: (b)(6)   m: (b)(6)

1776 I (Eye) Street NW Suite 260 | Washington, D.C. 20006 | United States | >www.mlexmarketinsight.com< |
>www.ftcwatch.com<

[EXTERNAL] Re: COVID-19 Tech and Research Task Force: March 17 Update

From: Madi Jacox <(b)(6)

To: Rob Sentz <(b)(6)   >

Josh Mendelsohn (b)(6)   >, Dave Zvenyach (b)(6)   , "Parker, Lynne E. EOP/OSTP" (b)(6)   , "Kratsios, Michael J. EOP/OSTP"

Cc: (b)(6)   "Wilson, Matt B. EOP/OSTP"

(b)(6)   , "Droegemeier, Kelvin K. EOP/OSTP"

(b)(6)   >

Date: Wed, 18 Mar 2020 19:10:17 -0400

Hi, Rob –

Many thanks for your continued support.

Please don't let this group hold up your dissemination of Navigo's product. Our mandate is working towards answering a few targeted research questions from the public health community (CDC, etc.). We appreciate any insight you can lend, as always, and hope you'll stay in the loop as the workstreams continue to develop.

Madi

On Wed, Mar 18, 2020 at 3:51 PM Rob Sentz (b)(6)   > wrote:
> Madi / all
> Thanks for the note and we appreciate your help. We continue to get interest from the assessment we have developed. >https://covid-19.navigo.cc/coronavirus/covid-19-my-risk-assessment< (made a few more updates today). I am now turning to the recommendations section so we can refine that. **The big point here is that we think this thing can help to limit fear, panic**, etc and can simultaneously help the various systems do better screening.
>
> **We would love to help you all.** To help, we made another summary that shows how this could be plugged into the process. If there is something we can do better let me know. Further, we are receiving interest from other groups on this. At this point, my inclination is to pursue those to help get this out there and going to see if it can help people and systems. Let me know if you see any issues there.
>
> If any of you would like to talk directly or want to catch up, I am ready.
>
>
> Thanks and best of luck on you and your work. We are praying and working hard to help our nation right now and are confident that we will get there. I hope the panic and fear can be reduced and that is our goal.
> Rob
> call anytime (b)(6)

On Mar 18, 2020, at 11:54 AM, Madi Jacox (b)(6)   wrote:

Hello, All –

Apologies for the short notice, but we are pulling down today's call due to an unexpected scheduling challenge.

We'll disseminate options for alternative times in the coming days.

Any questions, please don't hesitate to be in touch.

Continued thanks,

Madi

On Tue, Mar 17, 2020 at 5:32 PM Madi Jacox <(b)(6)   > wrote:
Hi, All –

Many thanks to those of you that were able to join today's workstream calls. They were quite productive, and we're excited to bring their learnings back to the broader group, along with Task Force-wide next steps, **tomorrow (03/18) at 3pm EST**.

Updated workstream documents are linked below, and attached in PDF format:
I. Hosting & Privacy
II. Location Data
III. Clinical Data

Please familiarize yourself with the updated documents, and continue to loop in those from your team who are increasingly relevant.

Zoom Meeting Details for Wed. (03/18), 3-4pm EST
>https://zoom.us/j/203635029<

ID (b)(6)
Password: (b)(6)
+(b)(6)

Finally, as press becomes aware of and interested in developments around the response to COVID-19, our position is and has been that no commitments have been made from the Task Force and that we are working to ensure close coordination with the White House and public health researchers. To the extent that individuals do speak to the press, please ensure non-attribution of information and, further, do not suggest that organizations have made any type of binding commitment.

Again, continued thanks for both your input and time. We're continuing to move forward, and excited by the momentum this group has.

Any questions or concerns, please don't hesitate to be in touch.

Madi

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Investor | hangar.is

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Investor | hangar.is

(b) (5)

From: "George, Dylan" (b)(6)

To: "Watson, Ian D. EOP/OSTP" (b)(6)

Cc: "Taylor, Jake M. EOP/OSTP" (b)(6)

Date: Wed, 18 Mar 2020 11:14:59 -0400

Ian

Thanks for the connect.

Jake

(b) (5)

Best

Dylan

IQT|20

Dylan George
Vice President, BNext - Technical Staff
M: (b) (6)
W: >www.iqt.org<
LinkedIn: >https://www.linkedin.com/in/dylangeorge/<
Twitter: @dylanbgeorge

From: "Watson, Ian D. EOP/OSTP" (b)(6)
Date: Wednesday, March 18, 2020 at 11:11 AM
To: Dylan George (b)(6) >
Cc: "Taylor, Jake M. EOP/OSTP" (b)(6)
Subject: FW: (b) (5)

Dylan, (b) (5)

(b) (5)

Ian D. Watson
Assistant Director for Biotechnology & Biosecurity
Office of Science & Technology Policy
Office: EEOB (b)(6)
Unclass: (b)(6)
SIPR: (b)(6)
JWICS: (b)(6)
Desk: (b)(6)
Cell: (b)(6)

From: Watson, Ian D. EOP/OSTP
Sent: Wednesday, March 18, 2020 7:03 AM
To: 'George, Dylan' (b)(6)   Kratsios, Michael J. EOP/OSTP
(b)(6)   Parker, Lynne E. EOP/OSTP <(b)(6)
Cc: Ian Simon (b)(6)   >; O'Toole, Tara (b)(6)   Borio, Luciana
(b)(6)   Waterman, Paige E. EOP/OSTP <(b)(6)   >
Subject: (b) (5)

(b) (5)

Thanks.

Ian D. Watson
Assistant Director for Biotechnology & Biosecurity
Office of Science & Technology Policy
Office: EEOB (b)(6)
Unclass: (b)(6)
SIPR: (b)(6)
JWICS: (b)(6)
Desk: (b)(6)
Cell: (b)(6)

From: George, Dylan (b)(6)
Sent: Tuesday, March 17, 2020 5:47 PM
To: Watson, Ian D. EOP/OSTP <I(b)(6)   Waterman, Paige E. EOP/OSTP
(b)(6)
Cc: Ian Simon (b)(6)   O'Toole, Tara (b)(6)   Borio, Luciana
(b)(6)
Subject: (b) (5)

Ian, Paige

(b) (5)

All the best

Dylan

Industry outreach -- for cataloguing #3

From:	(b)(6)
To:	"Calcagno, Drew A. EOP/OSTP" (b)(6) >
Cc:	"Parker, Lynne E. EOP/OSTP" (b)(6)
Date:	Wed, 18 Mar 2020 17:44:01 -0400
Attachments:	RE: [EXTERNAL] Dataminr/Tech Company Task Force (300.54 kB); [EXTERNAL] Re: Connecting Rolf / Derek (COVID-19) (113.66 kB); [EXTERNAL] Re: COVID-19 Tech and Research Task Force: March 17 Update (633.34 kB)

RE: [EXTERNAL] Dataminr/Tech Company Task Force

From:	"Kratsios, Michael J. EOP/OSTP" (b)(6)
To:	Ted Bailey (b)(6) "Parker, Lynne E. EOP/OSTP"
	(b)(6) , "Droegemeier, Kelvin K. EOP/OSTP"
	(b)(6) "Doster, Kim M. EOP/OSTP"
	(b)(6) "Wilson, Matt B. EOP/OSTP"
	(b)(6)
Date:	Wed, 18 Mar 2020 17:22:18 -0400
Attachments:	Unnamed Attachment (68 bytes); Unnamed Attachment (68 bytes)

Many thanks for reaching out ted. Kelvin on my team is working a number of these data related issues. + Kim who can help find a time for him to connect with you.

Best,

Michael

From: Ted Bailey
Sent: Tuesday, March 17, 2020 1:15 PM
To: Parker, Lynne E. EOP/OSTP ; Kratsios, Michael J. EOP/OSTP
Subject: [EXTERNAL] Dataminr/Tech Company Task Force

Michael and Lynne,

As the CEO and Founder of Dataminr, I wanted to offer our company's full assistance to the U.S. government in responding to the Coronavirus crisis. (b) (4)

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(b) (4)

Ted Bailey

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Ted Bailey
Founder and CEO
O: (b)(6)
6 E. 32nd Street, Fl 2
New York, NY 10016
About Dataminr:
Dataminr Blog | AI for Good | Twitter | LinkedIn | Instagram
Forbes AI 50 | Deloitte Fast 500 | Forbes Cloud 100 | AI Breakthrough

[EXTERNAL] Re: COVID-19 Tech and Research Task Force: March 17 Update

From:	Rob Sentz (b)(6)
To:	Madi Jacox (b)(6)
Cc:	Josh Mendelsohn (b)(6) , Dave Zvenyach (b)(6) "Parker, Lynne E. EOP/OSTP"(b)(6) "Kratsios, Michael J. EOP/OSTP" (b)(6) >, "Wilson, Matt B. EOP/OSTP" (b)(6) , "Droegemeier, Kelvin K. EOP/OSTP" (b)(6)
Date:	Wed, 18 Mar 2020 18:51:35 -0400
Attachments:	Navigo COVID-19 Solutions_V1.pptx (537.67 kB)

Madi / all

Thanks for the note and we appreciate your help. We continue to get interest from the assessment we have developed. >https://covid-19.navigo.cc/coronavirus/covid-19-my-risk-assessment< (made a few more updates today). I am now turning to the recommendations section so we can refine that. **The big point here is that we think this thing can help to limit fear, panic**, etc and can simultaneously help the various systems do better screening.

We would love to help you all. To help, we made another summary that shows how this could be plugged into the process. If there is something we can do better let me know. Further, we are receiving interest from other groups on this. At this point, my inclination is to pursue those to help get this out there and going to see if it can help people and systems. Let me know if you see any issues there.

If any of you would like to talk directly or want to catch up, I am ready.

Thanks and best of luck on you and your work. We are praying and working hard to help our nation right now and are confident that we will get there. I hope the panic and fear can be reduced and that is our goal.
Rob
call anytime (b)(6)

On Mar 18, 2020, at 11:54 AM, Madi Jacox (b)(6) > wrote:

Hello, All –

Apologies for the short notice, but we are pulling down today's call due to an unexpected scheduling challenge.

We'll disseminate options for alternative times in the coming days.

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Any questions, please don't hesitate to be in touch.

Continued thanks,

Madi

On Tue, Mar 17, 2020 at 5:32 PM Madi Jacox (b)(6)   wrote:
Hi, All –

Many thanks to those of you that were able to join today's workstream calls. They were quite productive, and we're excited to bring their learnings back to the broader group, along with Task Force-wide next steps, **tomorrow (03/18) at 3pm EST**.

Updated workstream documents are linked below, and attached in PDF format:
I. Hosting & Privacy
II. Location Data
III. Clinical Data

Please familiarize yourself with the updated documents, and continue to loop in those from your team who are increasingly relevant.

Zoom Meeting Details for Wed. (03/18), 3-4pm EST
(b)(6)

ID (b)(6)
Password (b)(6)
(b)(6)

Finally, as press becomes aware of and interested in developments around the response to COVID-19, our position is and has been that no commitments have been made from the Task Force and that we are working to ensure close coordination with the White House and public health researchers. To the extent that individuals do speak to the press, please ensure non-attribution of information and, further, do not suggest that organizations have made any type of binding commitment.

Again, continued thanks for both your input and time. We're continuing to move forward, and excited by the momentum this group has.

Any questions or concerns, please don't hesitate to be in touch.

Madi

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Investor | hangar.is

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Investor | hangar.is

NAVIGO

Better data to manage the COVID-19 response

A critical component to a well calibrated COVID-19 response is good information, communication, and coordination. We believe that a survey instrument could greatly reduce panic and could help enhance our testing/screening response on a variety of fronts.
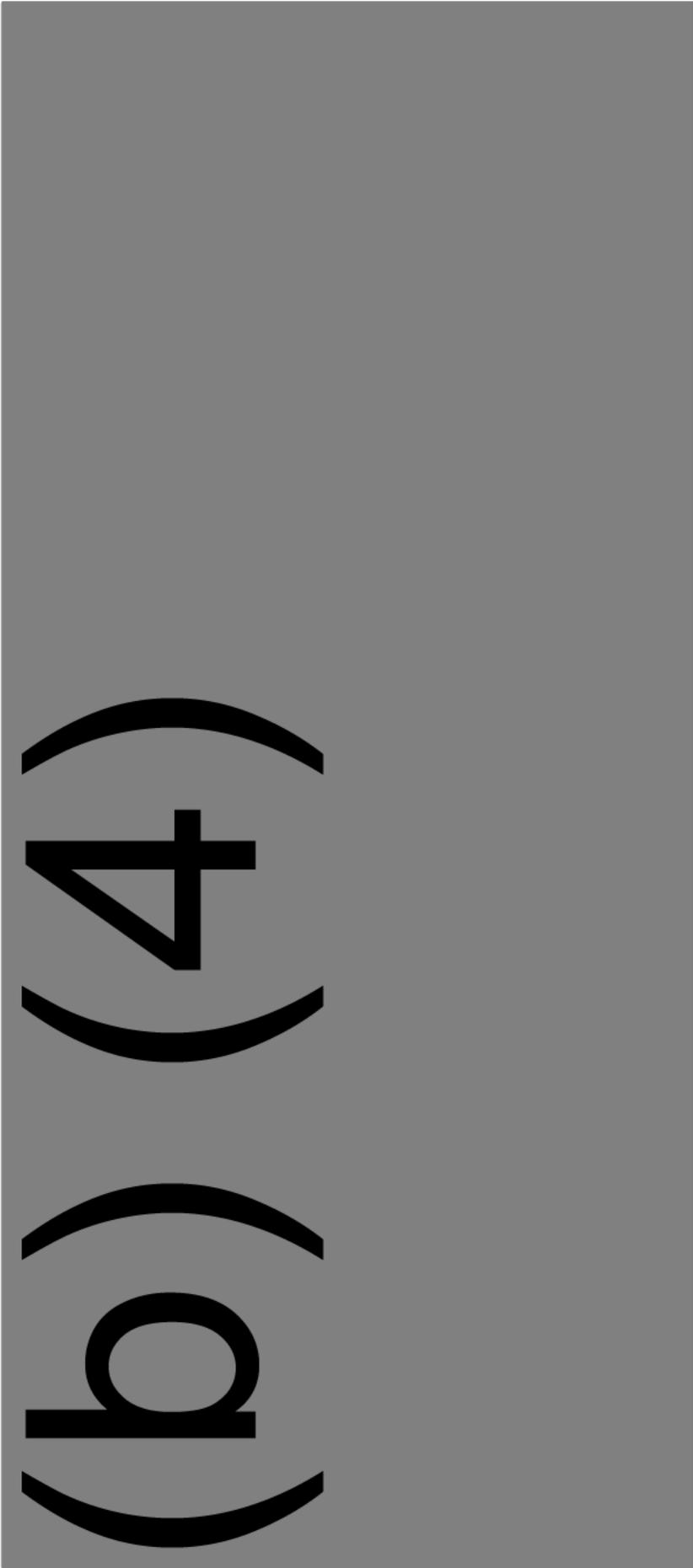
3/18/2020

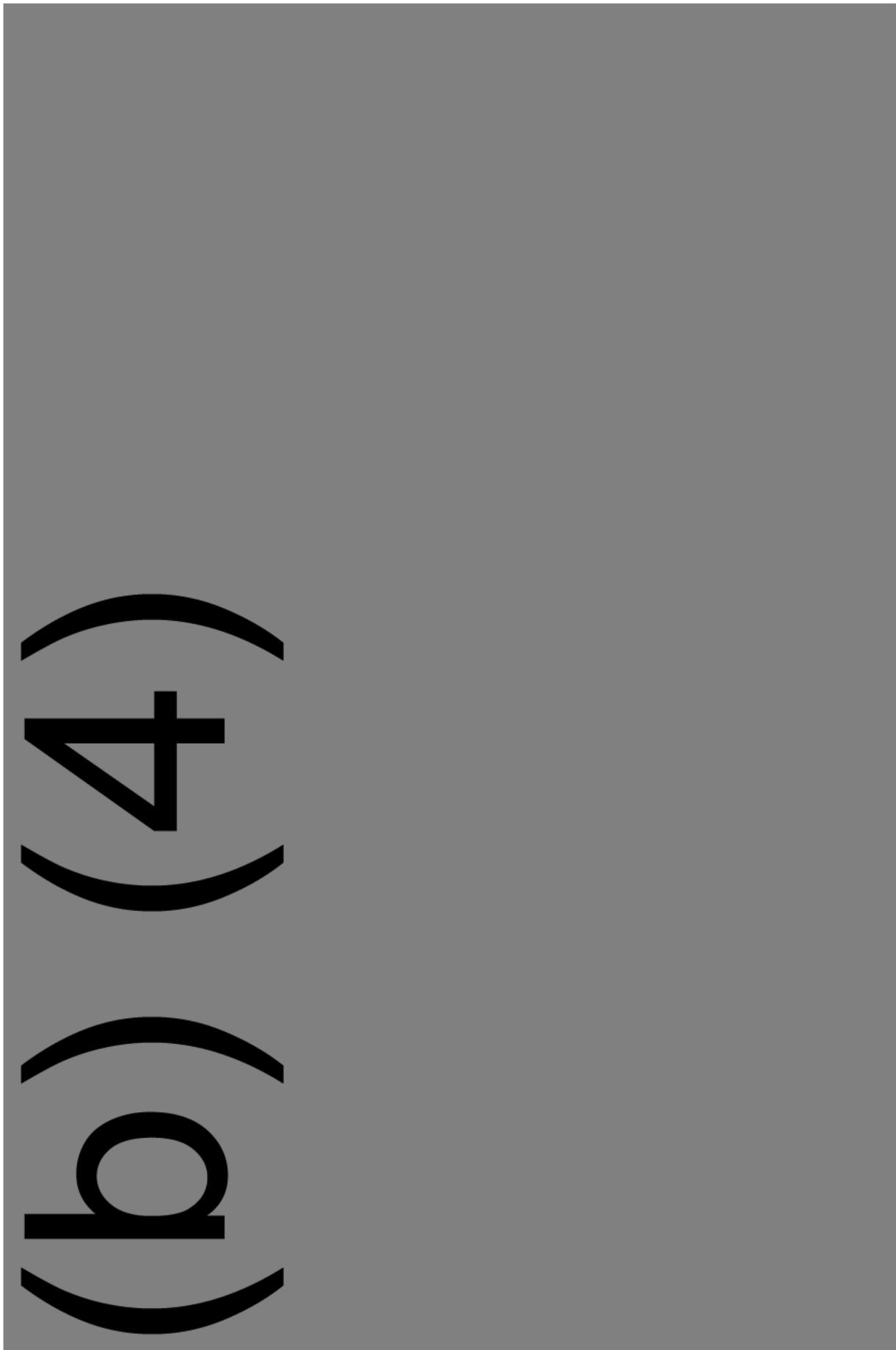Provided by NAVIGO

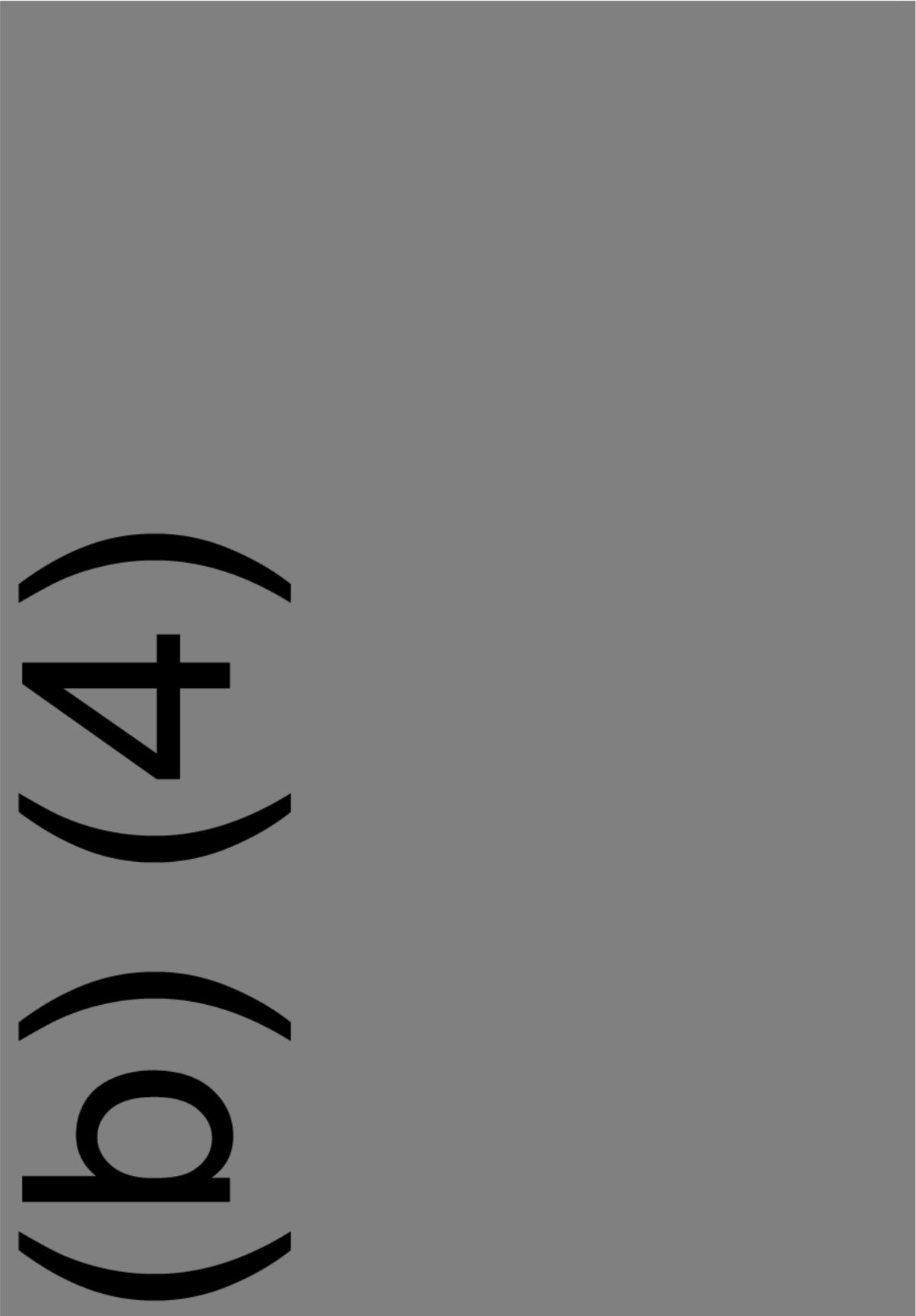Benjamin Nieuwsma, CEO

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About Navigo

Navigo helps organizations better understand and mitigate risks their employees face when they travel and work around the world.

To help communities manage the COVID-19 outbreak, we have developed a software system to help organizations manage and distribute the right information with the goal of reducing confusion and creating leading strategies to keep their communities and people connected to mitigate the coronavirus outbreak.

https://covid-19.navigo.cc/SARS-CoV-2-response

[EXTERNAL] Re: Connecting Rolf / Derek (COVID-19)

From: Kyla Lehner (b)(6)

To: "Doster, Kim M. EOP/OSTP" (b)(6) >, Aleah Dawson (b)(6)

Cc: "Lira, Mathew L. EOP/WHO" (b)(6) , "Calcagno, Drew A. EOP/OSTP" (b)(6) "Parker, Lynne E. EOP/OSTP" <(b)(6) "Droegemeier, Kelvin K. EOP/OSTP" (b)(6) , "Wilson, Matt B. EOP/OSTP" (b)(6) , David Morrell (b)(6) , "Kratsios, Michael J. EOP/OSTP" <(b)(6) >

Date: Wed, 18 Mar 2020 16:04:21 -0400

Rolf and Nat to Bcc, +Aleah for Nat's calendar

Hello Kim,

Please let me know Kelvin's availability. I will make sure to prioritize this for Rolf.

Thank you!
Kyla Lehner
From: Kratsios, Michael J. EOP/OSTP (b)(6)
Sent: Wednesday, March 18, 2020 12:42 PM
To: Rolf Harms; David Morrell; Kyla Lehner; Nat Friedman
Cc: Lira, Mathew L. EOP/WHO; Calcagno, Drew A. EOP/OSTP; Parker, Lynne E. EOP/OSTP; Droegemeier, Kelvin K. EOP/OSTP; Wilson, Matt B. EOP/OSTP; Doster, Kim M. EOP/OSTP
Subject: [EXTERNAL] RE: Connecting Rolf / Derek (COVID-19)

Derek to bcc.

Thanks guys. Looping in Kelvin on my team who is helping drive a lot of the modeling/data work. He is be best positioned to take lead on the call.

Kim can help schedule on his end.

From: Rolf Harms (b)(6)
Sent: Wednesday, March 18, 2020 3:39 PM
To: Kratsios, Michael J. EOP/OSTP <(b)(6) ; Kan, Derek T. EOP/OMB (b)(6) ; David Morrel (b)(6) Kyla Lehner (b)(6) ; Nat Friedman (b)(6) >
Cc: Lira, Mathew L. EOP/WHO <(b)(6) ; Calcagno, Drew A. EOP/OSTP

Parker, Lynne E. EOP/OSTP
Subject: [EXTERNAL] RE: Connecting Rolf / Derek (COVID-19)

Thanks Derek and David. Good to meet you all as well. Also adding the CEO of Github @Nat Friedman

I know there are many initiatives ongoing but at Microsoft and Gihub we are ready and willing to help in any way we can

We are currently working on a couple of things with a number of teams that may be of interest and can discuss more on the call:

1. Getting real time ICU utilization data – we have a team that is working with local hospitals in Seattle on a very simple mobile app to collect ICU and other data. It has been tested with 50 nurses and is being rolled out across a number of hospitals tomorrow. We are putting together a proposal to implement this at a national level in a very rapid fashion
2. This approach could perhaps also be applied to get better visibility into testing data, particularly as testing expands across the private sector
3. To improve global collaboration on pandemic modelling, we are thinking through how Github could be a central repository for folks to collaborate on and refine models

We would love to understand the areas that are of greatest need & urgency and we can work on marshaling Microsoft's resources to address them

@Kyla Lehner for scheduling on my end but will prioritize this

Rolf

From: Kratsios, Michael J. EOP/OSTP <(b)(6)
Sent: Wednesday, March 18, 2020 12:26 PM
To: Kan, Derek T. EOP/OMB (b)(6)   David Morrell (b)(6)
Rolf Harms <(b)(6)
Cc: Lira, Mathew L. EOP/WHO <(b)(6)   >; Calcagno, Drew A. EOP/OSTP
<(b)(6)   ; Parker, Lynne E. EOP/OSTP (b)(6)   >
Subject: [EXTERNAL] RE: Connecting Rolf / Derek (COVID-19)

Thanks Derek! Great to meet you guys. Would be happy to schedule a quick call.

+ Drew who can help us find a time.

From: Kan, Derek T. EOP/OMB <(b)(6)
Sent: Wednesday, March 18, 2020 3:11 PM
To: David Morrell <(b)(6)   ; Rolf Harms (b)(6)
Cc: Kratsios, Michael J. EOP/OSTP <(b)(6)   Lira, Mathew L. EOP/WHO
(b)(6)
Subject: RE: Connecting Rolf / Derek (COVID-19)

D-Mo,

Great to hear from you. I'm adding Michael Kratsios, the US Government's CTO, and Matt Lira. Thanks.

Derek

From: David Morrell <(b)(6)
Sent: Wednesday, March 18, 2020 3:07 PM
To: Rolf Harms (b)(6)   Kan, Derek T. EOP/OMB (b)(6)
Subject: [EXTERNAL] Connecting Rolf / Derek (COVID-19)

Hey Derek,

I'd like to connect you with Rolf Harms who runs the corporate strategy group for Microsoft's Cloud + AI business. He's been coordinating with Brad Smith (President / chief legal officer) and Nat Friedman (CEO GitHub) on some ways that Microsoft can assist in the governments efforts to prevent the spread and mitigate the effects of COVID-19.

I mentioned to Rolf that you'd like to get him in contact with your CTO and that a brief summary of some potential areas of assistance might be helpful. I'll let him weigh in with more detail there.

Give me a ring if you need anything else.

David

RE:

From: "Kjelland, Christin C. EOP/OSTP" (b)(6)   >

To: "Droegemeier, Kelvin K. EOP/OSTP"(b)(6)

Date: Thu, 19 Mar 2020 08:54:49 -0400

**Attachments
:**

(b) (5)

HI Kelvin,

Of course - here is the link to the SharePoint, and the documents are attached. Many of them are from Paige, Ian Simon, and Matt also.

Best,
Christin

(b) (5), (b) (6)

-----Original Message-----
From: Droegemeier, Kelvin K. EOP/OSTP (b)(6)
Sent: Thursday, March 19, 2020 7:11 AM
To: Kjelland, Christin C. EOP/OSTP (b)(6)
Subject:

Hi Christin,

(b) (5)

Thanks!

Kelvin

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(b) (5), (b) (6)

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