Exhibit 181

Part 2

AFL through FOIA: CDC Emails

Pages 161-287

https://ftp.aflegal.org/foia/HHS/COVID Disinformation - CDC - 21-01575-FOIA/286 pages_Second Interim Release_22-00003-LT.pdf

5.7 Influence of Information Sources: By State

Trends by state are summarized in Figure 30 (below) and in Appendix E.

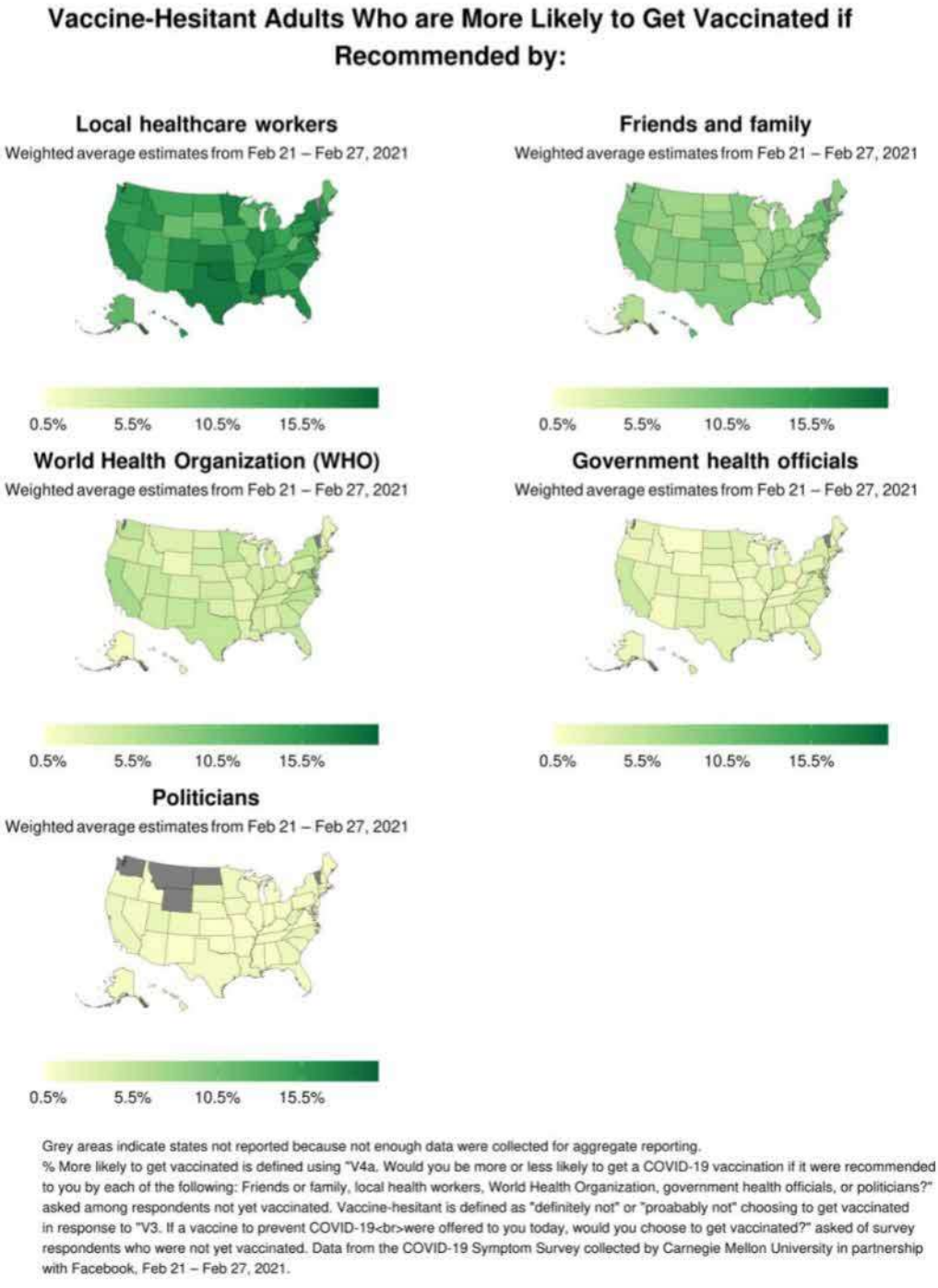


Figure 30: Vaccine-hesitant adults who are more likely to get vaccinated if recommended by various information sources, as estimated by the COVID-19 Symptom Survey, Jan 10 – Feb 27, 2021 (Data are tabulated in Table E.1, Appendix E)

Appendices

A. Overview and Methods

A.1 About the COVID-19 Symptom Surveys Conducted by Carnegie Mellon University and University of Maryland in Partnership with Facebook

Currently, Facebook users in the United States are invited daily to take a survey overseen by the Delphi Group. This is the largest ongoing COVID-19 survey in the United States (and likely the largest real-time survey ever conducted), with over 50,000 responses collected daily and over 18 million total responses collected since its launch in April 2020. The survey is also conducted globally by faculty at the University of Maryland (UMD) Joint Program in Survey Methodology (JPSM) in partnership with Facebook, and we are currently inviting Facebook users in more than 200 countries and territories globally to take the survey. Sampled users see the invitation at the top of their News Feed, but the surveys are collected off the Facebook platform and the Facebook company does not collect or receive survey responses.

A.2 About the Researchers

The Delphi Group at CMU was founded in 2012 with the goal of developing the theory and practice of epidemiological forecasting. This project is part of its vision of making epidemiological forecasting as universally accepted and useful as weather forecasting is today. More information is available at https://delphi.cmu.edu/.

A.3 Survey Information

- Real-time aggregate survey results for the United States are available at https://delphi.cmu.edu/covidcast/survey-results/.
- Documentation about the United States survey and procedures is online at https://cmu-delphi.github.io/delphi-epidata/symptom-survey/.
- The aggregate data underlying this report is available for download at https://cmu-delphi.github.io/delphi-epidata/symptom-survey/contingency-tables.html
- Academic and nonprofit researchers may request access to non-public, non-aggregated data for their research.
- More details about data access can be found here: https://dataforgood.fb.com/docs/covid-19-symptom-survey-request-for-data-access/.

A.4 Questionnaire

The survey instrument is maintained by CMU, which partners with the broader public health community. The survey asks users about any current symptoms as well as other factors related to their experiences during the pandemic. The instrument is translated

into English, simplified Chinese, French, Brazilian Portuguese, Spanish, and Vietnamese.

A.5 Survey Weights

The Facebook company provides sample weights that adjust for non-response and coverage biases. By non-response bias, we mean that some sampled users are more likely to respond to the survey than others. To adjust for this, Facebook calculates the inverse probability that sampled users complete the survey using their self-reported age and gender as well as other characteristics we know correlate with non-response. We then use these inverse probabilities to create weights for responses, after which the survey sample reflects the active adult user population on the Facebook app. By coverage bias, we mean that not everyone in every country has a Facebook app account or uses their account regularly. To adjust for this, Facebook adjusts the weights created in the first step even further so that the distribution of age, gender, and state of residence in the survey sample reflects that of the general population. Making adjustments using the weights ensures that the sample more accurately reflects the characteristics of the target population represented. More details can be found in our weighting documentation here: https://research.fb.com/publications/weights-and-methodology-brief-for-the-covid-19-symptom-survey-by-university-of-maryland-and-carnegie-mellon-university-in-partnership-with-facebook/.

A.6 Limitations

The Symptom Survey weighted population estimates for characteristics such as age, gender, and certain chronic conditions are generally comparable to estimates from other data sources at both the national and state level. However, our survey population may still over- or under-represent certain subpopulations or characteristics related to education, race, and occupation because we do not account for these characteristics in the weighting of our survey responses. In particular, the weighted sample is slightly under-representative of low-education adults as well as Black or African American and Hispanic adults.

While the trends in vaccination uptake from the Symptom Survey may be comparable to trends from other data sources on vaccine dose administration, the exact percentages of vaccination uptake from the Symptom Survey may differ from other data sources and should not be treated as authoritative. When comparing with official estimates, differences may stem from a reporting lag. When comparing with other survey estimates, differences may stem from differences in the instrument, sampling or weighting methodologies. For example, while many of the Symptom Survey questions on COVID-19 vaccines were developed in collaboration with the CDC to match their instruments, there may be differences in estimates from the Symptom Survey and estimates from other surveys fielding the same items such as the Census Bureau Household Pulse Survey due to small differences in question wording, as well as differences in the weighting variables used.

B. Table of COVID-19 Vaccination Uptake and Intent

Table B.1. Weekly weighted percentages (standard error) of COVID-19 vaccination uptake and intent, Jan 10 – Feb 27, 2021

	Jan 10–Jan 16	Jan 17–Jan 23	Jan 24–Jan 30	Jan 31–Feb 06	Feb 07–Feb 13	Feb 14–Feb 20	Feb 21–Feb 27
Overall (Total N=1,940,271)							
Received a vaccination	8.1 (<0.1)	11.5 (0.1)	15.1 (0.1)	18.8 (0.1)	22.5 (0.1)	26.0 (0.1)	29.1 (0.1)
Did not receive a vaccination and accepting	64.3 (0.1)	62.2 (0.1)	59.6 (0.1)	56.3 (0.1)	53.3 (0.1)	50.5 (0.1)	47.9 (0.1)
Did not receive a vaccination and hesitant	24.8 (0.1)	23.9 (0.1)	23.0 (0.1)	22.9 (0.1)	23.2 (0.1)	23.0 (0.1)	22.5 (0.1)
Did not receive a vaccination and skipped question on intent	2.7 (<0.1)	2.4 (<0.1)	2.2 (<0.1)	2.0 (<0.1)	1.0 (<0.1)	0.5 (<0.1)	0.5 (<0.1)
By Healthcare Worker Status:							
Healthcare Workers (Total N=153,805)							
Received a vaccination	53.0 (0.3)	59.2 (0.3)	63.0 (0.3)	65.9 (0.3)	68.4 (0.3)	70.1 (0.3)	70.9 (0.3)
Did not receive a vaccination and accepting	28.2 (0.3)	23.5 (0.3)	20.6 (0.3)	17.9 (0.3)	15.6 (0.3)	14.2 (0.2)	14.1 (0.3)
Did not receive a vaccination and hesitant	18.7 (0.2)	17.3 (0.2)	16.4 (0.2)	16.1 (0.3)	15.9 (0.3)	15.7 (0.3)	14.9 (0.3)
Did not receive a vaccination and skipped question on intent	0.1 (<0.1)	<0.1 (<0.1)	0.1 (<0.1)	<0.1 (<0.1)	<0.1 (<0.1)	0.1 (<0.1)	<0.1 (<0.1)
Non-Healthcare Workers (Total N=744,994)							
Received a vaccination	4.5 (0.1)	6.9 (0.1)	9.8 (0.1)	12.6 (0.1)	15.9 (0.1)	19.0 (0.1)	21.8 (0.1)
Did not receive a vaccination and accepting	69.5 (0.1)	67.9 (0.1)	65.7 (0.1)	63.0 (0.2)	60.0 (0.2)	56.9 (0.2)	54.5 (0.2)
Did not receive a vaccination and hesitant	25.9 (0.1)	25.1 (0.1)	24.3 (0.1)	24.3 (0.1)	24.1 (0.1)	24.0 (0.1)	23.7 (0.1)
Did not receive a vaccination and skipped question on intent	0.1 (<0.1)	0.1 (<0.1)	0.1 (<0.1)	0.1 (<0.1)	0.1 (<0.1)	0.1 (<0.1)	0.1 (<0.1)
By Age:							
65+ years (Total N=466,737)							
Received a vaccination	8.8 (0.1)	16.9 (0.1)	26.9 (0.2)	36.6 (0.2)	46.8 (0.2)	55.5 (0.2)	62.4 (0.2)

Did not receive a vaccination and accepting	78.4 (0.2)	71.2 (0.2)	62.0 (0.2)	52.3 (0.2)	42.7 (0.2)	34.2 (0.2)	28.1 (0.2)
Did not receive a vaccination and hesitant	12.6 (0.1)	11.7 (0.1)	10.9 (0.1)	11.0 (0.1)	10.4 (0.1)	10.2 (0.1)	9.4 (0.1)
Did not receive a vaccination and skipped question on intent	0.2 (<0.1)	0.2 (<0.1)	0.2 (<0.1)	0.1 (<0.1)	0.1 (<0.1)	0.1 (<0.1)	0.1 (<0.1)
45-64 years (Total N=652,296)							
Received a vaccination	8.8 (0.1)	11.5 (0.1)	13.7 (0.1)	16.3 (0.1)	19.2 (0.1)	21.7 (0.1)	24.3 (0.1)
Did not receive a vaccination and accepting	68.4 (0.1)	66.6 (0.1)	64.9 (0.2)	62.5 (0.2)	59.8 (0.2)	57.5 (0.2)	55.0 (0.2)
Did not receive a vaccination and hesitant	22.6 (0.1)	21.7 (0.1)	21.3 (0.1)	21.0 (0.1)	20.9 (0.1)	20.7 (0.1)	20.6 (0.1)
Did not receive a vaccination and skipped question on intent	0.2 (<0.1)	0.2 (<0.1)	0.2 (<0.1)	0.2 (<0.1)	0.1 (<0.1)	0.1 (<0.1)	0.1 (<0.1)
25-44 years (Total N=522,148)							
Received a vaccination	9.0 (0.1)	11.0 (0.1)	13.2 (0.1)	15.2 (0.1)	17.0 (0.1)	19.4 (0.2)	21.0 (0.2)
Did not receive a vaccination and accepting	61.0 (0.2)	59.9 (0.2)	59.0 (0.2)	57.1 (0.2)	55.4 (0.2)	53.4 (0.2)	52.2 (0.2)
Did not receive a vaccination and hesitant	29.9 (0.2)	29.1 (0.2)	27.8 (0.2)	27.5 (0.2)	27.5 (0.2)	27.1 (0.2)	26.7 (0.2)
Did not receive a vaccination and skipped question on intent	0.1 (<0.1)	0.1 (<0.1)	0.1 (<0.1)	0.1 (<0.1)	0.1 (<0.1)	0.1 (<0.1)	0.1 (<0.1)
18-24 years (Total N=77,652)							
Received a vaccination	5.5 (0.2)	6.6 (0.2)	7.9 (0.2)	9.4 (0.3)	10.4 (0.3)	11.0 (0.3)	12.5 (0.3)
Did not receive a vaccination and accepting	59.9 (0.4)	60.2 (0.4)	59.9 (0.5)	58.0 (0.5)	57.9 (0.5)	57.2 (0.5)	56.9 (0.5)
Did not receive a vaccination and hesitant	34.6 (0.4)	33.3 (0.4)	32.2 (0.4)	32.6 (0.5)	31.6 (0.5)	31.8 (0.5)	30.6 (0.5)
Did not receive a vaccination and skipped question on intent	0.1 (<0.1)	<0.1 (<0.1)	<0.1 (<0.1)	<0.1 (<0.1)	<0.1 (<0.1)	<0.1 (<0.1)	<0.1 (<0.1)
By Eligible Health Conditions:							
Any Eligible Health Condition (Total N=583,012)							
Received a vaccination	7.9 (0.1)	12.4 (0.1)	17.7 (0.1)	23.0 (0.2)	28.3 (0.2)	33.0 (0.2)	37.3 (0.2)
Did not receive a vaccination and accepting	71.4 (0.2)	67.5 (0.2)	63.2 (0.2)	57.9 (0.2)	52.3 (0.2)	48.0 (0.2)	44.2 (0.2)
Did not receive a vaccination and hesitant	20.5 (0.1)	19.9 (0.1)	18.9 (0.1)	18.9 (0.1)	19.3 (0.1)	18.9 (0.1)	18.4 (0.1)
Did not receive a vaccination and skipped question on intent	0.3 (<0.1)	0.2 (<0.1)	0.2 (<0.1)	0.1 (<0.1)	0.1 (<0.1)	0.1 (<0.1)	0.1 (<0.1)
No Eligible Health Condition (Total N=1,278,754)							

Received a vaccination	8.6 (0.1)	11.5 (0.1)	14.7 (0.1)	17.9 (0.1)	21.3 (0.1)	24.5 (0.1)	27.1 (0.1)
Did not receive a vaccination and accepting	64.2 (0.1)	62.4 (0.1)	60.2 (0.1)	57.2 (0.1)	54.4 (0.1)	51.6 (0.1)	49.5 (0.1)
Did not receive a vaccination and hesitant	27.0 (0.1)	26.0 (0.1)	25.0 (0.1)	24.8 (0.1)	24.2 (0.1)	23.8 (0.1)	23.3 (0.1)
Did not receive a vaccination and skipped question on intent	0.2 (<0.1)	0.1 (<0.1)	0.1 (<0.1)	0.1 (<0.1)	0.1 (<0.1)	0.1 (<0.1)	0.1 (<0.1)
By Race/Ethnicity:							
Hispanic (Total N=208,134)							
Received a vaccination	6.4 (0.1)	8.3 (0.2)	10.5 (0.2)	12.9 (0.2)	15.2 (0.2)	17.3 (0.2)	19.8 (0.2)
Did not receive a vaccination and accepting	67.8 (0.3)	67.4 (0.3)	66.4 (0.3)	64.7 (0.3)	62.3 (0.3)	61.4 (0.3)	59.1 (0.3)
Did not receive a vaccination and hesitant	25.5 (0.2)	24.1 (0.2)	22.9 (0.2)	22.3 (0.2)	22.3 (0.2)	21.2 (0.2)	20.9 (0.3)
Did not receive a vaccination and skipped question on intent	0.3 (<0.1)	0.2 (<0.1)	0.2 (<0.1)	0.2 (<0.1)	0.1 (<0.1)	0.1 (<0.1)	0.1 (<0.1)
American Indian or Alaska Native* (Total N=17,758)							
Received a vaccination	12.8 (0.6)	16.0 (0.7)	21.8 (0.8)	25.3 (0.9)	32.2 (0.9)	34.0 (1.0)	37.2 (1.0)
Did not receive a vaccination and accepting	54.9 (0.9)	52.0 (1.0)	47.8 (0.9)	43.0 (1.0)	39.5 (1.0)	36.0 (1.0)	33.2 (1.0)
Did not receive a vaccination and hesitant	32.1 (0.9)	31.8 (0.9)	30.2 (0.9)	31.7 (0.9)	28.2 (0.9)	29.8 (0.9)	29.5 (1.0)
Did not receive a vaccination and skipped question on intent	0.2 (0.1)	0.2 (0.1)	0.2 (0.1)	<0.1 (<0.1)	0.1 (0.1)	0.2 (0.1)	<0.1 (<0.1)
Asian* (Total N=36,362)							
Received a vaccination	11.9 (0.4)	14.9 (0.5)	18.9 (0.5)	22.4 (0.6)	26.3 (0.6)	28.8 (0.6)	32.0 (0.7)
Did not receive a vaccination and accepting	77.0 (0.6)	73.6 (0.6)	70.7 (0.6)	67.5 (0.7)	64.1 (0.7)	62.0 (0.7)	59.9 (0.7)
Did not receive a vaccination and hesitant	10.9 (0.4)	11.5 (0.4)	10.4 (0.4)	10.0 (0.4)	9.6 (0.4)	9.0 (0.4)	8.0 (0.4)
Did not receive a vaccination and skipped question on intent	0.2 (0.1)	0.1 (<0.1)	0.1 (<0.1)	0.1 (<0.1)	0.1 (<0.1)	0.2 (0.1)	0.1 (<0.1)
Black or African American* (Total N=112,239)							
Received a vaccination	6.3 (0.2)	9.7 (0.2)	12.6 (0.3)	16.7 (0.3)	20.3 (0.3)	23.1 (0.3)	27.1 (0.4)
Did not receive a vaccination and accepting	53.8 (0.4)	53.7 (0.4)	53.2 (0.4)	51.1 (0.4)	49.3 (0.4)	46.3 (0.4)	44.0 (0.4)
Did not receive a vaccination and hesitant	39.6 (0.4)	36.4 (0.4)	34.0 (0.4)	31.9 (0.4)	30.2 (0.4)	30.4 (0.4)	28.7 (0.4)

Did not receive a vaccination and skipped question on intent	0.3 (<0.1)	0.2 (<0.1)	0.2 (<0.1)	0.3 (<0.1)	0.3 (<0.1)	0.2 (<0.1)	0.2 (<0.1)
Native Hawaiian or Pacific Islander* (Total N=3,580)							
Received a vaccination	9.6 (1.2)	12.5 (1.4)	15.6 (1.6)	19.2 (1.8)	18.8 (1.7)	25.5 (2.0)	30.9 (2.1)
Did not receive a vaccination and accepting	59.9 (2.0)	56.3 (2.1)	56.5 (2.2)	58.5 (2.3)	55.5 (2.2)	54.9 (2.2)	45.3 (2.3)
Did not receive a vaccination and hesitant	30.1 (1.9)	31.1 (2.0)	27.9 (2.0)	22.3 (1.9)	25.4 (1.9)	19.5 (1.8)	23.5 (1.9)
Did not receive a vaccination and skipped question on intent	0.5 (0.3)	0.2 (0.2)	<0.1 (0.1)	0.1 (0.1)	0.2 (0.2)	0.1 (0.1)	0.3 (0.3)
Multiracial or Other* (Total N=59,081)							
Received a vaccination	6.2 (0.3)	8.9 (0.3)	10.3 (0.3)	13.2 (0.4)	14.9 (0.4)	17.5 (0.4)	19.4 (0.4)
Did not receive a vaccination and accepting	53.7 (0.5)	52.2 (0.5)	49.9 (0.5)	48.0 (0.6)	46.9 (0.6)	44.5 (0.6)	41.9 (0.6)
Did not receive a vaccination and hesitant	39.8 (0.5)	38.8 (0.5)	39.7 (0.5)	38.7 (0.6)	38.0 (0.5)	37.7 (0.5)	38.5 (0.5)
Did not receive a vaccination and skipped question on intent	0.3 (0.1)	0.2 (<0.1)	0.1 (<0.1)	0.1 (<0.1)	0.2 (<0.1)	0.2 (0.1)	0.1 (<0.1)
White* (Total N=1,266,112)							
Received a vaccination	9.2 (0.1)	13.0 (0.1)	17.4 (0.1)	21.6 (0.1)	26.0 (0.1)	30.3 (0.1)	33.6 (0.1)
Did not receive a vaccination and accepting	69.0 (0.1)	65.8 (0.1)	62.2 (0.1)	57.8 (0.1)	53.5 (0.1)	49.4 (0.1)	46.6 (0.1)
Did not receive a vaccination and hesitant	21.8 (0.1)	21.1 (0.1)	20.3 (0.1)	20.6 (0.1)	20.4 (0.1)	20.3 (0.1)	19.7 (0.1)
Did not receive a vaccination and skipped question on intent	0.1 (<0.1)	0.1 (<0.1)	0.1 (<0.1)	0.1 (<0.1)	0.1 (<0.1)	0.1 (<0.1)	0.1 (<0.1)
By Gender:							
Female (Total N=1,141,341)							
Received a vaccination	9.7 (0.1)	13.5 (0.1)	17.5 (0.1)	21.7 (0.1)	25.9 (0.1)	29.8 (0.1)	33.1 (0.1)
Did not receive a vaccination and accepting	65.3 (0.1)	62.8 (0.1)	60.0 (0.1)	56.1 (0.1)	52.5 (0.1)	49.0 (0.1)	46.4 (0.1)
Did not receive a vaccination and hesitant	24.8 (0.1)	23.6 (0.1)	22.4 (0.1)	22.0 (0.1)	21.5 (0.1)	21.1 (0.1)	20.3 (0.1)
Did not receive a vaccination and skipped question on intent	0.2 (<0.1)	0.2 (<0.1)	0.1 (<0.1)	0.1 (<0.1)	0.1 (<0.1)	0.1 (<0.1)	0.1 (<0.1)
Male (Total N=547,981)							
Received a vaccination	7.3 (0.1)	10.4 (0.1)	14.1 (0.1)	17.6 (0.1)	21.4 (0.1)	24.9 (0.2)	28.1 (0.2)

Did not receive a vaccination and accepting	70.1 (0.2)	67.6 (0.2)	64.6 (0.2)	61.0 (0.2)	57.1 (0.2)	53.7 (0.2)	51.0 (0.2)
Did not receive a vaccination and hesitant	22.5 (0.1)	21.9 (0.1)	21.3 (0.1)	21.3 (0.2)	21.4 (0.1)	21.2 (0.1)	20.9 (0.1)
Did not receive a vaccination and skipped question on intent	0.1 (<0.1)	0.1 (<0.1)	0.1 (<0.1)	0.1 (<0.1)	0.1 (<0.1)	0.1 (<0.1)	0.1 (<0.1)
Other (Total N=17,167)							
Received a vaccination	4.9 (0.4)	7.3 (0.5)	8.7 (0.6)	9.8 (0.6)	10.6 (0.6)	13.3 (0.7)	13.6 (0.7)
Did not receive a vaccination and accepting	59.5 (1.0)	56.6 (1.0)	56.2 (1.0)	52.4 (1.0)	52.1 (1.0)	51.1 (1.0)	49.1 (1.0)
Did not receive a vaccination and hesitant	35.3 (0.9)	35.9 (1.0)	35.0 (0.9)	37.7 (1.0)	37.0 (1.0)	35.4 (1.0)	37.2 (1.0)
Did not receive a vaccination and skipped question on intent	0.2 (0.1)	0.2 (0.1)	0.1 (0.1)	0.1 (0.1)	0.3 (0.1)	0.1 (0.1)	0.1 (0.1)
By State:							
Alabama (Total N=28,806)							
Received a vaccination	5.8 (0.3)	8.4 (0.4)	10.9 (0.5)	15.7 (0.6)	19.1 (0.6)	24.8 (0.7)	26.1 (0.7)
Did not receive a vaccination and accepting	56.2 (0.7)	56.4 (0.7)	52.4 (0.8)	49.9 (0.8)	46.6 (0.8)	43.2 (0.8)	41.6 (0.8)
Did not receive a vaccination and hesitant	34.6 (0.7)	32.7 (0.7)	33.6 (0.7)	32.4 (0.8)	33.1 (0.7)	31.6 (0.7)	31.7 (0.8)
Did not receive a vaccination and skipped question on intent	3.5 (0.3)	2.5 (0.2)	3.0 (0.3)	2.0 (0.2)	1.2 (0.2)	0.5 (0.1)	0.5 (0.1)
Alaska (Total N=5,973)							
Received a vaccination	20.4 (1.3)	26.6 (1.5)	35.0 (1.6)	32.9 (1.7)	40.8 (1.7)	48.1 (1.7)	51.3 (1.7)
Did not receive a vaccination and accepting	50.5 (1.7)	48.4 (1.7)	39.2 (1.6)	43.3 (1.8)	34.4 (1.6)	33.0 (1.6)	27.5 (1.6)
Did not receive a vaccination and hesitant	27.0 (1.5)	23.9 (1.4)	24.6 (1.4)	22.8 (1.5)	24.4 (1.5)	18.6 (1.4)	20.6 (1.4)
Did not receive a vaccination and skipped question on intent	2.2 (0.5)	1.1 (0.3)	1.1 (0.4)	1.0 (0.3)	0.4 (0.2)	0.3 (0.2)	0.6 (0.3)
Arizona (Total N=39,842)							
Received a vaccination	6.4 (0.3)	10.5 (0.4)	16.3 (0.5)	19.0 (0.5)	26.2 (0.6)	30.1 (0.6)	33.7 (0.7)
Did not receive a vaccination and accepting	65.9 (0.6)	63.8 (0.6)	58.7 (0.6)	54.8 (0.7)	50.6 (0.7)	48.2 (0.7)	43.3 (0.7)
Did not receive a vaccination and hesitant	25.3 (0.5)	23.7 (0.5)	23.2 (0.5)	24.4 (0.6)	22.4 (0.6)	21.4 (0.6)	22.5 (0.6)
Did not receive a vaccination and skipped question on intent	2.4 (0.2)	2.0 (0.2)	1.8 (0.2)	1.8 (0.2)	0.8 (0.1)	0.3 (0.1)	0.4 (0.1)
Arkansas (Total N=19,912)							

Received a vaccination	9.4 (0.5)	13.4 (0.6)	18.4 (0.7)	20.1 (0.8)	24.8 (0.8)	25.9 (0.8)	28.1 (0.9)
Did not receive a vaccination and accepting	56.0 (0.9)	55.3 (0.9)	52.2 (0.9)	48.5 (1.0)	45.7 (1.0)	44.4 (1.0)	42.8 (1.0)
Did not receive a vaccination and hesitant	31.3 (0.8)	28.7 (0.8)	27.5 (0.8)	29.9 (0.9)	28.5 (0.9)	29.6 (0.9)	28.5 (0.9)
Did not receive a vaccination and skipped question on intent	3.2 (0.3)	2.6 (0.3)	2.0 (0.3)	1.5 (0.2)	1.0 (0.2)	0.2 (0.1)	0.5 (0.1)
California (Total N=173,342)							
Received a vaccination	5.8 (0.1)	9.6 (0.2)	13.4 (0.2)	17.2 (0.3)	21.2 (0.3)	25.5 (0.3)	29.4 (0.3)
Did not receive a vaccination and accepting	71.8 (0.3)	69.2 (0.3)	66.5 (0.3)	63.5 (0.3)	60.2 (0.3)	57.2 (0.3)	53.3 (0.3)
Did not receive a vaccination and hesitant	19.5 (0.2)	18.5 (0.2)	17.4 (0.2)	17.2 (0.3)	17.7 (0.3)	16.8 (0.2)	16.9 (0.3)
Did not receive a vaccination and skipped question on intent	3.0 (0.1)	2.7 (0.1)	2.7 (0.1)	2.1 (0.1)	1.0 (0.1)	0.5 (<0.1)	0.4 (<0.1)
Colorado (Total N=35,073)							
Received a vaccination	9.2 (0.4)	11.6 (0.4)	14.8 (0.5)	17.0 (0.5)	21.6 (0.6)	26.3 (0.6)	29.2 (0.7)
Did not receive a vaccination and accepting	68.0 (0.6)	66.4 (0.7)	64.3 (0.7)	62.2 (0.7)	57.5 (0.7)	53.1 (0.7)	51.4 (0.7)
Did not receive a vaccination and hesitant	20.5 (0.5)	20.5 (0.6)	19.2 (0.5)	19.5 (0.6)	20.2 (0.6)	20.1 (0.6)	19.2 (0.6)
Did not receive a vaccination and skipped question on intent	2.3 (0.2)	1.5 (0.2)	1.7 (0.2)	1.2 (0.2)	0.8 (0.1)	0.4 (0.1)	0.2 (0.1)
Connecticut (Total N=27,937)							
Received a vaccination	10.1 (0.5)	13.0 (0.5)	16.9 (0.6)	20.9 (0.7)	23.3 (0.7)	28.1 (0.7)	31.9 (0.8)
Did not receive a vaccination and accepting	71.7 (0.7)	67.3 (0.7)	64.4 (0.7)	61.1 (0.8)	60.2 (0.8)	57.5 (0.8)	53.2 (0.8)
Did not receive a vaccination and hesitant	15.7 (0.5)	17.6 (0.6)	16.5 (0.6)	15.9 (0.6)	16.1 (0.6)	14.0 (0.6)	14.4 (0.6)
Did not receive a vaccination and skipped question on intent	2.5 (0.2)	2.0 (0.2)	2.2 (0.2)	2.1 (0.2)	0.5 (0.1)	0.3 (0.1)	0.5 (0.1)
Delaware (Total N=8,661)							
Received a vaccination	6.0 (0.6)	14.6 (1.0)	18.5 (1.1)	20.4 (1.2)	23.2 (1.3)	26.9 (1.3)	31.5 (1.4)
Did not receive a vaccination and accepting	67.1 (1.3)	61.9 (1.3)	59.3 (1.4)	54.3 (1.4)	55.4 (1.5)	49.3 (1.4)	46.9 (1.5)
Did not receive a vaccination and hesitant	24.5 (1.2)	20.6 (1.1)	20.0 (1.1)	24.2 (1.2)	20.6 (1.2)	23.2 (1.2)	21.2 (1.2)
Did not receive a vaccination and skipped question on intent	2.5 (0.4)	3.0 (0.5)	2.2 (0.4)	1.1 (0.3)	0.9 (0.3)	0.6 (0.2)	0.5 (0.2)
District Of Columbia (Total N=3,166)							
Received a vaccination	6.7 (1.2)	10.1 (1.4)	14.7 (1.7)	17.9 (1.8)	20.4 (1.9)	24.9 (2.1)	25.5 (2.1)

Did not receive a vaccination and accepting	80.1 (1.9)	77.7 (1.9)	70.9 (2.1)	72.5 (2.1)	70.2 (2.2)	65.1 (2.3)	65.5 (2.3)
Did not receive a vaccination and hesitant	11.6 (1.5)	9.6 (1.4)	13.2 (1.6)	9.0 (1.3)	8.6 (1.3)	9.4 (1.4)	8.9 (1.4)
Did not receive a vaccination and skipped question on intent	1.6 (0.6)	2.6 (0.8)	1.2 (0.5)	0.6 (0.4)	0.8 (0.4)	0.7 (0.4)	0.1 (0.1)
Florida (Total N=126,605)							
Received a vaccination	9.1 (0.2)	12.3 (0.2)	15.0 (0.3)	17.7 (0.3)	20.1 (0.3)	23.5 (0.3)	25.4 (0.3)
Did not receive a vaccination and accepting	60.5 (0.4)	58.1 (0.4)	56.4 (0.4)	54.6 (0.4)	51.5 (0.4)	49.0 (0.4)	47.7 (0.4)
Did not receive a vaccination and hesitant	27.6 (0.3)	26.9 (0.3)	26.3 (0.3)	25.5 (0.3)	27.5 (0.3)	27.0 (0.3)	26.5 (0.3)
Did not receive a vaccination and skipped question on intent	2.9 (0.1)	2.7 (0.1)	2.3 (0.1)	2.2 (0.1)	0.9 (0.1)	0.6 (0.1)	0.4 (<0.1)
Georgia (Total N=49,763)							
Received a vaccination	7.2 (0.3)	12.1 (0.4)	14.2 (0.4)	18.6 (0.5)	20.6 (0.5)	23.0 (0.5)	24.7 (0.5)
Did not receive a vaccination and accepting	55.8 (0.6)	53.7 (0.6)	52.2 (0.6)	49.2 (0.6)	47.8 (0.6)	46.1 (0.6)	44.7 (0.6)
Did not receive a vaccination and hesitant	32.9 (0.5)	31.1 (0.5)	30.4 (0.5)	30.1 (0.6)	30.5 (0.6)	30.2 (0.6)	29.9 (0.6)
Did not receive a vaccination and skipped question on intent	4.0 (0.2)	3.1 (0.2)	3.2 (0.2)	2.2 (0.2)	1.1 (0.1)	0.7 (0.1)	0.8 (0.1)
Hawaii (Total N=7,515)							
Received a vaccination	14.2 (1.0)	15.9 (1.1)	20.0 (1.2)	27.2 (1.4)	29.3 (1.4)	31.8 (1.5)	36.2 (1.5)
Did not receive a vaccination and accepting	65.5 (1.4)	61.8 (1.4)	58.6 (1.5)	53.7 (1.6)	53.3 (1.5)	50.4 (1.6)	48.3 (1.5)
Did not receive a vaccination and hesitant	17.2 (1.1)	19.7 (1.2)	19.4 (1.2)	16.8 (1.2)	15.4 (1.1)	17.1 (1.2)	15.2 (1.1)
Did not receive a vaccination and skipped question on intent	3.2 (0.5)	2.7 (0.5)	1.9 (0.4)	2.3 (0.5)	2.0 (0.4)	0.7 (0.3)	0.3 (0.2)
Idaho (Total N=13,381)							
Received a vaccination	8.4 (0.6)	11.0 (0.7)	16.0 (0.8)	19.9 (1.0)	23.6 (1.0)	28.8 (1.0)	31.5 (1.1)
Did not receive a vaccination and accepting	58.7 (1.1)	58.2 (1.1)	52.9 (1.1)	50.9 (1.2)	45.2 (1.2)	42.4 (1.1)	40.6 (1.1)
Did not receive a vaccination and hesitant	31.2 (1.0)	29.7 (1.0)	29.7 (1.0)	27.1 (1.1)	30.6 (1.1)	28.3 (1.0)	27.7 (1.0)
Did not receive a vaccination and skipped question on intent	1.8 (0.3)	1.1 (0.2)	1.5 (0.3)	2.1 (0.3)	0.6 (0.2)	0.5 (0.2)	0.2 (0.1)
Illinois (Total N=77,003)							
Received a vaccination	7.1 (0.2)	9.4 (0.3)	12.7 (0.3)	18.7 (0.4)	23.0 (0.4)	27.5 (0.4)	31.8 (0.5)
Did not receive a vaccination and accepting	66.7 (0.4)	65.4 (0.4)	63.4 (0.5)	58.4 (0.5)	55.4 (0.5)	49.9 (0.5)	46.6 (0.5)

Did not receive a vaccination and hesitant	23.1 (0.4)	22.9 (0.4)	21.4 (0.4)	20.9 (0.4)	20.6 (0.4)	22.0 (0.4)	21.2 (0.4)
Did not receive a vaccination and skipped question on intent	3.1 (0.2)	2.3 (0.1)	2.5 (0.1)	2.0 (0.1)	1.0 (0.1)	0.6 (0.1)	0.4 (0.1)
Indiana (Total N=42,804)							
Received a vaccination	8.9 (0.3)	13.5 (0.4)	16.4 (0.5)	19.4 (0.5)	24.3 (0.6)	27.6 (0.6)	29.9 (0.6)
Did not receive a vaccination and accepting	59.8 (0.6)	55.6 (0.6)	53.5 (0.6)	51.1 (0.7)	46.4 (0.7)	44.5 (0.7)	43.2 (0.7)
Did not receive a vaccination and hesitant	29.0 (0.6)	28.7 (0.6)	28.1 (0.6)	27.7 (0.6)	28.2 (0.6)	27.4 (0.6)	26.5 (0.6)
Did not receive a vaccination and skipped question on intent	2.3 (0.2)	2.2 (0.2)	2.0 (0.2)	1.8 (0.2)	1.1 (0.1)	0.6 (0.1)	0.4 (0.1)
Iowa (Total N=25,681)							
Received a vaccination	8.2 (0.4)	10.8 (0.5)	12.3 (0.5)	15.9 (0.6)	20.9 (0.7)	26.4 (0.7)	28.0 (0.8)
Did not receive a vaccination and accepting	65.4 (0.8)	62.5 (0.8)	60.7 (0.8)	57.6 (0.8)	53.9 (0.8)	47.8 (0.8)	46.8 (0.8)
Did not receive a vaccination and hesitant	24.8 (0.7)	24.8 (0.7)	25.1 (0.7)	25.3 (0.7)	24.4 (0.7)	25.3 (0.7)	24.7 (0.7)
Did not receive a vaccination and skipped question on intent	1.6 (0.2)	1.9 (0.2)	1.9 (0.2)	1.1 (0.2)	0.8 (0.1)	0.5 (0.1)	0.4 (0.1)
Kansas (Total N=20,811)							
Received a vaccination	9.7 (0.5)	11.2 (0.6)	13.9 (0.6)	19.7 (0.8)	23.8 (0.8)	27.3 (0.8)	29.8 (0.9)
Did not receive a vaccination and accepting	62.6 (0.8)	62.9 (0.9)	60.3 (0.9)	53.4 (0.9)	49.6 (0.9)	46.4 (0.9)	44.6 (1.0)
Did not receive a vaccination and hesitant	24.8 (0.7)	24.3 (0.8)	23.9 (0.8)	25.1 (0.8)	25.5 (0.8)	26.0 (0.8)	25.2 (0.8)
Did not receive a vaccination and skipped question on intent	2.9 (0.3)	1.7 (0.2)	1.9 (0.2)	1.7 (0.2)	1.1 (0.2)	0.4 (0.1)	0.4 (0.1)
Kentucky (Total N=29,497)							
Received a vaccination	9.2 (0.4)	13.2 (0.5)	15.9 (0.5)	20.7 (0.6)	22.3 (0.7)	25.0 (0.7)	28.9 (0.7)
Did not receive a vaccination and accepting	59.4 (0.7)	55.6 (0.7)	53.3 (0.7)	51.2 (0.8)	48.6 (0.8)	47.4 (0.8)	43.8 (0.8)
Did not receive a vaccination and hesitant	29.0 (0.7)	28.8 (0.7)	28.5 (0.7)	26.0 (0.7)	28.3 (0.7)	27.0 (0.7)	27.0 (0.7)
Did not receive a vaccination and skipped question on intent	2.3 (0.2)	2.4 (0.2)	2.3 (0.2)	2.1 (0.2)	0.8 (0.1)	0.6 (0.1)	0.3 (0.1)
Louisiana (Total N=28,278)							
Received a vaccination	10.9 (0.5)	13.0 (0.5)	17.3 (0.6)	19.7 (0.6)	23.7 (0.7)	26.8 (0.7)	29.8 (0.8)
Did not receive a vaccination and accepting	50.6 (0.7)	49.7 (0.8)	48.0 (0.8)	45.2 (0.8)	42.3 (0.8)	41.7 (0.8)	38.0 (0.8)
Did not receive a vaccination and hesitant	34.7 (0.7)	34.0 (0.7)	32.3 (0.7)	32.2 (0.8)	32.9 (0.8)	31.1 (0.8)	31.6 (0.8)

Did not receive a vaccination and skipped question on intent	3.7 (0.3)	3.3 (0.3)	2.4 (0.2)	2.8 (0.3)	1.1 (0.2)	0.5 (0.1)	0.6 (0.1)
Maine (Total N=13,998)							
Received a vaccination	9.3 (0.6)	11.1 (0.7)	13.5 (0.7)	18.4 (0.9)	20.4 (0.9)	23.5 (1.0)	27.7 (1.1)
Did not receive a vaccination and accepting	68.9 (1.0)	63.6 (1.0)	64.3 (1.0)	59.4 (1.1)	58.8 (1.1)	55.7 (1.1)	52.0 (1.2)
Did not receive a vaccination and hesitant	19.7 (0.8)	23.2 (0.9)	21.2 (0.9)	20.8 (0.9)	20.2 (0.9)	20.7 (0.9)	19.8 (1.0)
Did not receive a vaccination and skipped question on intent	2.2 (0.3)	2.2 (0.3)	0.9 (0.2)	1.4 (0.3)	0.6 (0.2)	0.2 (0.1)	0.5 (0.2)
Maryland (Total N=31,093)							
Received a vaccination	7.1 (0.4)	10.7 (0.4)	14.1 (0.5)	18.2 (0.6)	20.3 (0.6)	24.0 (0.7)	27.9 (0.7)
Did not receive a vaccination and accepting	70.1 (0.7)	68.5 (0.7)	65.5 (0.7)	63.8 (0.7)	61.9 (0.7)	58.4 (0.8)	56.3 (0.8)
Did not receive a vaccination and hesitant	20.1 (0.6)	18.1 (0.6)	17.8 (0.6)	15.9 (0.6)	16.4 (0.6)	17.3 (0.6)	15.4 (0.6)
Did not receive a vaccination and skipped question on intent	2.7 (0.2)	2.7 (0.2)	2.6 (0.2)	2.1 (0.2)	1.3 (0.2)	0.3 (0.1)	0.4 (0.1)
Massachusetts (Total N=36,119)							
Received a vaccination	6.4 (0.3)	9.1 (0.4)	11.5 (0.4)	15.2 (0.5)	19.2 (0.6)	23.3 (0.6)	28.2 (0.7)
Did not receive a vaccination and accepting	74.1 (0.6)	73.7 (0.6)	70.8 (0.6)	67.6 (0.7)	65.6 (0.7)	60.8 (0.7)	59.3 (0.7)
Did not receive a vaccination and hesitant	17.3 (0.5)	15.1 (0.5)	15.7 (0.5)	15.2 (0.5)	14.2 (0.5)	15.2 (0.5)	12.2 (0.5)
Did not receive a vaccination and skipped question on intent	2.2 (0.2)	2.1 (0.2)	1.9 (0.2)	2.0 (0.2)	1.0 (0.1)	0.6 (0.1)	0.3 (0.1)
Michigan (Total N=79,764)							
Received a vaccination	8.6 (0.3)	13.2 (0.3)	17.8 (0.3)	21.0 (0.4)	23.9 (0.4)	27.6 (0.4)	30.5 (0.4)
Did not receive a vaccination and accepting	62.7 (0.4)	59.8 (0.5)	55.9 (0.5)	52.6 (0.5)	50.6 (0.5)	47.7 (0.5)	45.2 (0.5)
Did not receive a vaccination and hesitant	26.2 (0.4)	25.0 (0.4)	24.4 (0.4)	24.8 (0.4)	24.8 (0.4)	24.1 (0.4)	23.9 (0.4)
Did not receive a vaccination and skipped question on intent	2.6 (0.1)	2.0 (0.1)	2.0 (0.1)	1.6 (0.1)	0.8 (0.1)	0.5 (0.1)	0.5 (0.1)
Minnesota (Total N=31,101)							
Received a vaccination	8.0 (0.4)	9.8 (0.4)	14.6 (0.5)	18.9 (0.6)	23.2 (0.6)	26.4 (0.7)	30.5 (0.7)
Did not receive a vaccination and accepting	71.4 (0.7)	69.6 (0.7)	64.6 (0.7)	61.5 (0.8)	57.6 (0.7)	53.7 (0.8)	49.7 (0.8)
Did not receive a vaccination and hesitant	19.2 (0.6)	19.0 (0.6)	19.3 (0.6)	18.5 (0.6)	18.7 (0.6)	19.5 (0.6)	19.4 (0.6)

Did not receive a vaccination and skipped question on intent	1.4 (0.2)	1.6 (0.2)	1.5 (0.2)	1.1 (0.2)	0.5 (0.1)	0.3 (0.1)	0.3 (0.1)
Mississippi (Total N=18,504)							
Received a vaccination	7.8 (0.5)	12.1 (0.6)	18.3 (0.7)	21.9 (0.8)	26.0 (0.9)	27.0 (0.9)	32.3 (1.0)
Did not receive a vaccination and accepting	51.8 (0.9)	50.6 (0.9)	47.2 (1.0)	42.6 (1.0)	40.0 (1.0)	38.9 (1.0)	35.7 (1.0)
Did not receive a vaccination and hesitant	36.4 (0.9)	34.0 (0.9)	31.6 (0.9)	32.1 (0.9)	32.5 (0.9)	33.0 (0.9)	31.2 (1.0)
Did not receive a vaccination and skipped question on intent	4.0 (0.4)	3.3 (0.3)	3.0 (0.3)	3.4 (0.4)	1.4 (0.2)	1.1 (0.2)	0.8 (0.2)
Missouri (Total N=35,332)							
Received a vaccination	6.9 (0.3)	9.4 (0.4)	13.5 (0.5)	18.7 (0.6)	23.9 (0.6)	26.4 (0.6)	30.9 (0.7)
Did not receive a vaccination and accepting	61.0 (0.7)	60.7 (0.7)	57.5 (0.7)	52.0 (0.7)	48.7 (0.7)	46.2 (0.7)	42.5 (0.7)
Did not receive a vaccination and hesitant	29.8 (0.6)	27.9 (0.6)	27.2 (0.6)	27.7 (0.7)	26.5 (0.6)	26.9 (0.6)	26.2 (0.6)
Did not receive a vaccination and skipped question on intent	2.3 (0.2)	2.0 (0.2)	1.8 (0.2)	1.6 (0.2)	0.9 (0.1)	0.5 (0.1)	0.4 (0.1)
Montana (Total N=9,692)							
Received a vaccination	10.6 (0.8)	13.2 (0.9)	16.6 (1.0)	21.2 (1.1)	25.3 (1.2)	31.1 (1.3)	34.2 (1.3)
Did not receive a vaccination and accepting	61.5 (1.3)	58.6 (1.3)	55.4 (1.3)	51.7 (1.4)	47.7 (1.3)	40.7 (1.3)	38.3 (1.3)
Did not receive a vaccination and hesitant	26.2 (1.2)	27.0 (1.2)	27.2 (1.2)	25.7 (1.2)	26.5 (1.2)	27.9 (1.2)	27.2 (1.2)
Did not receive a vaccination and skipped question on intent	1.7 (0.3)	1.2 (0.3)	0.8 (0.2)	1.3 (0.3)	0.5 (0.2)	0.3 (0.1)	0.2 (0.1)
Nebraska (Total N=13,128)							
Received a vaccination	9.3 (0.6)	12.1 (0.7)	14.4 (0.8)	18.1 (0.9)	22.0 (1.0)	27.8 (1.1)	28.5 (1.1)
Did not receive a vaccination and accepting	65.7 (1.0)	63.1 (1.1)	62.0 (1.1)	56.8 (1.2)	54.4 (1.2)	50.5 (1.2)	46.7 (1.2)
Did not receive a vaccination and hesitant	22.7 (0.9)	23.4 (1.0)	22.1 (0.9)	23.8 (1.0)	22.7 (1.0)	21.2 (1.0)	24.5 (1.0)
Did not receive a vaccination and skipped question on intent	2.3 (0.3)	1.3 (0.3)	1.6 (0.3)	1.2 (0.3)	0.9 (0.2)	0.5 (0.2)	0.4 (0.1)
Nevada (Total N=15,010)							
Received a vaccination	7.9 (0.6)	9.9 (0.6)	16.1 (0.8)	19.6 (0.9)	22.9 (0.9)	28.1 (1.0)	30.1 (1.0)
Did not receive a vaccination and accepting	61.7 (1.0)	61.4 (1.0)	58.3 (1.0)	54.1 (1.1)	52.3 (1.1)	46.7 (1.1)	44.7 (1.1)
Did not receive a vaccination and hesitant	27.7 (0.9)	26.0 (0.9)	23.7 (0.9)	24.4 (0.9)	23.8 (0.9)	24.6 (0.9)	24.7 (1.0)

Did not receive a vaccination and skipped question on intent	2.6 (0.3)	2.7 (0.3)	1.9 (0.3)	1.9 (0.3)	1.0 (0.2)	0.5 (0.2)	0.5 (0.2)
New Hampshire (Total N=12,901)							
Received a vaccination	9.0 (0.6)	11.3 (0.7)	14.5 (0.8)	17.9 (0.9)	22.5 (1.0)	24.7 (1.0)	31.2 (1.1)
Did not receive a vaccination and accepting	70.0 (1.0)	67.6 (1.0)	67.4 (1.0)	66.1 (1.1)	55.6 (1.2)	58.0 (1.2)	52.7 (1.2)
Did not receive a vaccination and hesitant	18.8 (0.9)	19.1 (0.9)	16.8 (0.8)	14.5 (0.8)	21.2 (1.0)	17.0 (0.9)	15.6 (0.9)
Did not receive a vaccination and skipped question on intent	2.2 (0.3)	2.1 (0.3)	1.2 (0.2)	1.4 (0.3)	0.7 (0.2)	0.3 (0.1)	0.5 (0.2)
New Jersey (Total N=43,059)							
Received a vaccination	7.7 (0.3)	10.2 (0.4)	15.8 (0.5)	19.2 (0.5)	23.1 (0.6)	26.8 (0.6)	31.2 (0.6)
Did not receive a vaccination and accepting	68.9 (0.6)	67.3 (0.6)	63.0 (0.6)	60.6 (0.6)	56.6 (0.6)	54.8 (0.6)	51.3 (0.6)
Did not receive a vaccination and hesitant	20.4 (0.5)	19.4 (0.5)	18.5 (0.5)	18.0 (0.5)	19.3 (0.5)	17.8 (0.5)	17.0 (0.5)
Did not receive a vaccination and skipped question on intent	2.9 (0.2)	3.1 (0.2)	2.8 (0.2)	2.2 (0.2)	1.0 (0.1)	0.6 (0.1)	0.5 (0.1)
New Mexico (Total N=20,083)							
Received a vaccination	11.1 (0.6)	17.4 (0.8)	22.6 (0.7)	23.5 (0.8)	29.9 (0.9)	34.0 (0.9)	37.9 (0.9)
Did not receive a vaccination and accepting	64.6 (0.9)	63.3 (1.1)	57.5 (0.8)	55.4 (0.9)	49.8 (0.9)	46.1 (0.9)	42.4 (0.9)
Did not receive a vaccination and hesitant	21.1 (0.8)	17.6 (0.8)	17.8 (0.6)	18.9 (0.7)	19.9 (0.7)	19.3 (0.7)	19.4 (0.7)
Did not receive a vaccination and skipped question on intent	3.2 (0.3)	1.7 (0.3)	2.1 (0.2)	2.2 (0.3)	0.4 (0.1)	0.6 (0.1)	0.3 (0.1)
New York (Total N=98,671)							
Received a vaccination	8.9 (0.2)	12.8 (0.3)	16.3 (0.3)	19.8 (0.3)	22.1 (0.4)	26.9 (0.4)	29.3 (0.4)
Did not receive a vaccination and accepting	65.2 (0.4)	63.0 (0.4)	61.1 (0.4)	57.2 (0.4)	55.8 (0.4)	52.5 (0.4)	50.7 (0.4)
Did not receive a vaccination and hesitant	23.1 (0.3)	21.2 (0.3)	20.2 (0.3)	20.9 (0.4)	20.8 (0.4)	20.0 (0.3)	19.4 (0.3)
Did not receive a vaccination and skipped question on intent	2.9 (0.1)	3.0 (0.1)	2.4 (0.1)	2.2 (0.1)	1.3 (0.1)	0.6 (0.1)	0.6 (0.1)
North Carolina (Total N=67,124)							
Received a vaccination	7.4 (0.2)	11.5 (0.3)	16.0 (0.4)	19.5 (0.4)	23.1 (0.4)	25.2 (0.5)	29.0 (0.5)
Did not receive a vaccination and accepting	61.8 (0.5)	59.9 (0.5)	56.1 (0.5)	52.5 (0.5)	50.0 (0.5)	48.2 (0.5)	45.1 (0.5)
Did not receive a vaccination and hesitant	28.0 (0.4)	26.3 (0.4)	25.7 (0.4)	25.7 (0.5)	25.9 (0.5)	26.0 (0.5)	25.5 (0.5)

Did not receive a vaccination and skipped question on intent	2.8 (0.2)	2.4 (0.1)	2.2 (0.1)	2.4 (0.2)	1.1 (0.1)	0.6 (0.1)	0.4 (0.1)
North Dakota (Total N=4,877)							
Received a vaccination	12.3 (1.2)	17.3 (1.4)	19.5 (1.5)	24.4 (1.7)	28.4 (1.7)	32.3 (1.8)	31.7 (1.8)
Did not receive a vaccination and accepting	57.1 (1.8)	52.7 (1.8)	52.9 (1.9)	45.4 (2.0)	44.3 (1.9)	36.9 (1.8)	35.8 (1.8)
Did not receive a vaccination and hesitant	28.6 (1.7)	29.0 (1.7)	26.4 (1.7)	29.3 (1.8)	26.5 (1.7)	30.7 (1.7)	32.2 (1.8)
Did not receive a vaccination and skipped question on intent	2.1 (0.5)	1.0 (0.4)	1.2 (0.4)	0.9 (0.4)	0.8 (0.3)	<0.1 (0.1)	0.3 (0.2)
Ohio (Total N=76,639)							
Received a vaccination	7.1 (0.2)	9.5 (0.3)	12.3 (0.3)	16.2 (0.4)	20.4 (0.4)	23.7 (0.4)	26.7 (0.4)
Did not receive a vaccination and accepting	61.2 (0.4)	59.6 (0.5)	58.0 (0.5)	55.0 (0.5)	51.5 (0.5)	48.9 (0.5)	46.2 (0.5)
Did not receive a vaccination and hesitant	29.0 (0.4)	28.4 (0.4)	27.6 (0.4)	27.1 (0.4)	27.2 (0.4)	26.8 (0.4)	26.4 (0.4)
Did not receive a vaccination and skipped question on intent	2.7 (0.1)	2.4 (0.1)	2.2 (0.1)	1.7 (0.1)	0.9 (0.1)	0.5 (0.1)	0.7 (0.1)
Oklahoma (Total N=28,454)							
Received a vaccination	12.9 (0.5)	17.3 (0.6)	19.3 (0.6)	23.2 (0.7)	25.6 (0.7)	28.4 (0.7)	32.9 (0.8)
Did not receive a vaccination and accepting	56.0 (0.7)	52.0 (0.8)	50.5 (0.8)	46.4 (0.8)	44.5 (0.8)	43.2 (0.8)	37.9 (0.8)
Did not receive a vaccination and hesitant	28.9 (0.7)	28.8 (0.7)	28.3 (0.7)	28.7 (0.7)	29.0 (0.7)	27.7 (0.7)	28.6 (0.8)
Did not receive a vaccination and skipped question on intent	2.1 (0.2)	1.9 (0.2)	1.9 (0.2)	1.7 (0.2)	0.8 (0.1)	0.6 (0.1)	0.6 (0.1)
Oregon (Total N=29,719)							
Received a vaccination	8.4 (0.4)	11.8 (0.5)	16.3 (0.5)	18.9 (0.6)	23.4 (0.7)	26.0 (0.7)	29.6 (0.7)
Did not receive a vaccination and accepting	68.6 (0.7)	64.0 (0.7)	62.6 (0.7)	58.9 (0.8)	56.3 (0.8)	53.2 (0.8)	49.5 (0.8)
Did not receive a vaccination and hesitant	21.1 (0.6)	22.6 (0.6)	19.5 (0.6)	20.9 (0.6)	19.5 (0.6)	20.4 (0.6)	20.5 (0.6)
Did not receive a vaccination and skipped question on intent	1.9 (0.2)	1.6 (0.2)	1.6 (0.2)	1.3 (0.2)	0.8 (0.1)	0.4 (0.1)	0.5 (0.1)
Pennsylvania (Total N=83,984)							
Received a vaccination	7.9 (0.2)	10.8 (0.3)	14.6 (0.3)	18.2 (0.4)	22.9 (0.4)	26.5 (0.4)	29.7 (0.4)
Did not receive a vaccination and accepting	64.3 (0.4)	63.7 (0.4)	61.7 (0.4)	56.4 (0.5)	53.8 (0.5)	49.9 (0.5)	46.8 (0.5)
Did not receive a vaccination and hesitant	25.3 (0.4)	23.4 (0.4)	21.8 (0.4)	23.2 (0.4)	22.5 (0.4)	23.1 (0.4)	23.1 (0.4)

Did not receive a vaccination and skipped question on intent	2.6 (0.1)	2.1 (0.1)	2.0 (0.1)	2.2 (0.1)	0.9 (0.1)	0.5 (0.1)	0.4 (0.1)
Rhode Island (Total N=7,776)							
Received a vaccination	8.7 (0.8)	11.6 (0.9)	12.6 (1.0)	15.6 (1.1)	17.3 (1.2)	20.5 (1.2)	26.6 (1.3)
Did not receive a vaccination and accepting	72.3 (1.3)	69.4 (1.3)	69.5 (1.4)	66.9 (1.5)	62.3 (1.5)	63.3 (1.5)	57.6 (1.5)
Did not receive a vaccination and hesitant	17.1 (1.1)	16.8 (1.1)	15.6 (1.1)	14.8 (1.1)	19.3 (1.3)	16.0 (1.1)	15.2 (1.1)
Did not receive a vaccination and skipped question on intent	1.9 (0.4)	2.1 (0.4)	2.4 (0.5)	2.7 (0.5)	1.1 (0.3)	0.2 (0.2)	0.6 (0.2)
South Carolina (Total N=40,479)							
Received a vaccination	5.7 (0.3)	9.1 (0.4)	14.8 (0.5)	18.1 (0.5)	21.8 (0.6)	23.5 (0.6)	28.0 (0.6)
Did not receive a vaccination and accepting	58.9 (0.6)	57.2 (0.6)	53.3 (0.6)	51.6 (0.7)	49.4 (0.7)	44.7 (0.7)	42.7 (0.7)
Did not receive a vaccination and hesitant	31.7 (0.6)	30.6 (0.6)	29.9 (0.6)	28.1 (0.6)	27.3 (0.6)	31.3 (0.6)	28.8 (0.6)
Did not receive a vaccination and skipped question on intent	3.7 (0.2)	3.2 (0.2)	2.0 (0.2)	2.2 (0.2)	1.5 (0.2)	0.5 (0.1)	0.5 (0.1)
South Dakota (Total N=6,559)							
Received a vaccination	13.4 (1.1)	14.4 (1.1)	19.7 (1.3)	22.1 (1.4)	26.0 (1.5)	34.3 (1.6)	34.9 (1.6)
Did not receive a vaccination and accepting	61.2 (1.5)	57.9 (1.6)	55.2 (1.6)	50.3 (1.7)	46.3 (1.7)	42.4 (1.6)	38.1 (1.6)
Did not receive a vaccination and hesitant	23.5 (1.3)	26.4 (1.4)	24.0 (1.4)	26.3 (1.5)	26.7 (1.5)	23.3 (1.4)	26.6 (1.5)
Did not receive a vaccination and skipped question on intent	1.9 (0.4)	1.4 (0.4)	1.1 (0.3)	1.2 (0.4)	1.1 (0.3)	<0.1 (0.1)	0.4 (0.2)
Tennessee (Total N=41,245)							
Received a vaccination	9.7 (0.4)	11.1 (0.4)	13.5 (0.4)	15.5 (0.5)	18.7 (0.5)	21.7 (0.6)	24.0 (0.6)
Did not receive a vaccination and accepting	57.9 (0.6)	55.4 (0.6)	54.2 (0.6)	52.5 (0.7)	50.1 (0.7)	47.6 (0.7)	44.4 (0.7)
Did not receive a vaccination and hesitant	29.6 (0.6)	31.0 (0.6)	30.0 (0.6)	29.5 (0.6)	30.2 (0.6)	30.0 (0.6)	31.0 (0.6)
Did not receive a vaccination and skipped question on intent	2.8 (0.2)	2.5 (0.2)	2.3 (0.2)	2.4 (0.2)	1.0 (0.1)	0.6 (0.1)	0.5 (0.1)
Texas (Total N=135,030)							
Received a vaccination	10.6 (0.2)	13.4 (0.2)	16.7 (0.3)	20.2 (0.3)	24.0 (0.3)	26.1 (0.3)	28.1 (0.3)
Did not receive a vaccination and accepting	60.2 (0.3)	58.4 (0.3)	56.2 (0.3)	53.1 (0.4)	50.1 (0.4)	48.2 (0.4)	47.8 (0.4)
Did not receive a vaccination and hesitant	26.3 (0.3)	25.4 (0.3)	24.5 (0.3)	24.4 (0.3)	24.9 (0.3)	25.2 (0.3)	23.7 (0.3)

Did not receive a vaccination and skipped question on intent	3.0 (0.1)	2.8 (0.1)	2.6 (0.1)	2.3 (0.1)	1.1 (0.1)	0.5 (0.1)	0.4 (<0.1)
Utah (Total N=18,770)							
Received a vaccination	8.3 (0.5)	11.8 (0.6)	16.1 (0.7)	17.9 (0.8)	22.7 (0.8)	23.5 (0.8)	26.5 (0.9)
Did not receive a vaccination and accepting	68.4 (0.9)	63.9 (0.9)	62.5 (0.9)	58.7 (1.0)	56.3 (1.0)	54.2 (1.0)	52.3 (1.0)
Did not receive a vaccination and hesitant	21.3 (0.8)	22.6 (0.8)	20.0 (0.8)	22.2 (0.8)	20.4 (0.8)	22.0 (0.8)	20.8 (0.8)
Did not receive a vaccination and skipped question on intent	2.0 (0.3)	1.7 (0.2)	1.4 (0.2)	1.2 (0.2)	0.7 (0.2)	0.2 (0.1)	0.5 (0.1)
Vermont (Total N=6,270)							
Received a vaccination	9.5 (0.9)	13.6 (1.1)	14.2 (1.1)	17.5 (1.3)	20.9 (1.4)	25.9 (1.5)	29.8 (1.6)
Did not receive a vaccination and accepting	70.8 (1.4)	71.9 (1.5)	70.5 (1.5)	68.3 (1.6)	62.3 (1.7)	58.5 (1.7)	55.8 (1.8)
Did not receive a vaccination and hesitant	18.0 (1.2)	13.4 (1.1)	14.3 (1.1)	13.5 (1.2)	16.6 (1.3)	15.1 (1.2)	14.1 (1.2)
Did not receive a vaccination and skipped question on intent	1.7 (0.4)	1.1 (0.3)	1.1 (0.3)	0.7 (0.3)	0.2 (0.1)	0.5 (0.2)	0.3 (0.2)
Virginia (Total N=59,914)							
Received a vaccination	7.8 (0.3)	11.3 (0.3)	16.0 (0.4)	20.4 (0.4)	23.1 (0.5)	26.4 (0.5)	29.3 (0.5)
Did not receive a vaccination and accepting	66.3 (0.5)	64.1 (0.5)	60.8 (0.5)	56.7 (0.5)	54.3 (0.5)	52.2 (0.5)	50.4 (0.6)
Did not receive a vaccination and hesitant	23.2 (0.4)	22.0 (0.4)	21.0 (0.4)	21.2 (0.4)	21.5 (0.4)	20.8 (0.4)	19.6 (0.4)
Did not receive a vaccination and skipped question on intent	2.6 (0.2)	2.5 (0.2)	2.2 (0.2)	1.6 (0.1)	1.2 (0.1)	0.6 (0.1)	0.6 (0.1)
Washington (Total N=50,088)							
Received a vaccination	7.0 (0.3)	10.9 (0.4)	15.5 (0.4)	20.7 (0.5)	23.6 (0.5)	26.2 (0.5)	27.8 (0.5)
Did not receive a vaccination and accepting	71.1 (0.5)	69.0 (0.5)	65.0 (0.5)	60.4 (0.6)	57.6 (0.6)	55.6 (0.6)	53.8 (0.6)
Did not receive a vaccination and hesitant	20.0 (0.5)	18.4 (0.4)	17.5 (0.4)	17.6 (0.5)	17.9 (0.5)	17.9 (0.5)	18.0 (0.5)
Did not receive a vaccination and skipped question on intent	1.9 (0.2)	1.7 (0.1)	2.0 (0.2)	1.4 (0.1)	0.8 (0.1)	0.3 (0.1)	0.4 (0.1)
West Virginia (Total N=16,605)							
Received a vaccination	13.3 (0.7)	15.9 (0.7)	20.8 (0.8)	23.1 (0.9)	26.2 (0.9)	31.1 (1.0)	32.6 (1.0)
Did not receive a vaccination and accepting	54.3 (1.0)	54.5 (1.0)	51.3 (1.0)	47.6 (1.1)	44.3 (1.0)	42.0 (1.1)	40.8 (1.1)
Did not receive a vaccination and hesitant	29.4 (0.9)	27.7 (0.9)	26.3 (0.9)	27.0 (0.9)	28.1 (0.9)	26.8 (0.9)	26.0 (1.0)

Did not receive a vaccination and skipped question on intent	3.0 (0.3)	1.9 (0.3)	1.6 (0.3)	2.3 (0.3)	1.4 (0.3)	0.2 (0.1)	0.6 (0.2)
Wisconsin (Total N=38,471)							
Received a vaccination	7.3 (0.3)	10.4 (0.4)	14.0 (0.5)	19.1 (0.5)	23.4 (0.6)	26.3 (0.6)	29.6 (0.6)
Did not receive a vaccination and accepting	67.2 (0.6)	63.4 (0.6)	61.1 (0.6)	57.3 (0.7)	52.1 (0.7)	50.5 (0.7)	46.2 (0.7)
Did not receive a vaccination and hesitant	23.6 (0.6)	24.5 (0.6)	23.3 (0.6)	22.3 (0.6)	23.4 (0.6)	22.9 (0.6)	23.9 (0.6)
Did not receive a vaccination and skipped question on intent	1.8 (0.2)	1.7 (0.2)	1.6 (0.2)	1.3 (0.2)	1.0 (0.1)	0.3 (0.1)	0.4 (0.1)
Wyoming (Total N=4,615)							
Received a vaccination	10.8 (1.2)	14.5 (1.3)	19.6 (1.6)	20.4 (1.6)	30.6 (1.8)	35.8 (1.9)	35.4 (1.9)
Did not receive a vaccination and accepting	54.5 (1.9)	51.3 (1.9)	48.9 (2.0)	42.9 (2.0)	38.8 (1.9)	33.1 (1.8)	29.2 (1.8)
Did not receive a vaccination and hesitant	32.3 (1.8)	32.4 (1.8)	30.4 (1.8)	34.9 (1.9)	30.0 (1.8)	30.8 (1.8)	34.3 (1.9)
Did not receive a vaccination and skipped question on intent	2.3 (0.6)	1.8 (0.5)	1.1 (0.4)	1.8 (0.5)	0.6 (0.3)	0.4 (0.2)	1.1 (0.4)

* Non-Hispanic race/ethnicity groups.

** Not reported because not enough data were collected for aggregate reporting.

C. Table of Adults Who Received Two COVID-19 Vaccinations

Table C.1. Weekly weighted percentages (standard error) of adults who received two COVID-19 vaccinations out of adults who reported receiving a COVID-19 vaccination, Jan 10 – Feb 27, 2021

	Jan 10–Jan 16	Jan 17–Jan 23	Jan 24–Jan 30	Jan 31–Feb 06	Feb 07–Feb 13	Feb 14–Feb 20	Feb 21–Feb 27
Overall (Total N=388,791)							
Received two COVID-19 vaccinations	18.0 (0.3)	21.3 (0.2)	26.0 (0.2)	33.6 (0.2)	42.3 (0.2)	50.5 (0.2)	57.4 (0.2)
By Healthcare Worker Status:							
Healthcare Workers (Total N=94,551)							
Received two COVID-19 vaccinations	29.2 (0.5)	38.6 (0.4)	52.8 (0.4)	66.4 (0.4)	77.9 (0.3)	84.8 (0.3)	87.4 (0.3)
Non-Healthcare Workers (Total N=104,529)							
Received two COVID-19 vaccinations	9.0 (0.5)	11.8 (0.3)	17.0 (0.3)	25.7 (0.4)	36.8 (0.4)	46.4 (0.3)	53.1 (0.3)
By Age:							
65+ years (Total N=167,722)							
Received two COVID-19 vaccinations	6.1 (0.4)	6.4 (0.2)	8.0 (0.2)	15.7 (0.2)	25.8 (0.2)	37.1 (0.2)	48.8 (0.2)
45-64 years (Total N=106,874)							
Received two COVID-19 vaccinations	22.5 (0.6)	26.6 (0.4)	35.3 (0.4)	44.8 (0.4)	52.8 (0.4)	58.3 (0.3)	61.7 (0.3)
25-44 years (Total N=81,506)							
Received two COVID-19 vaccinations	22.9 (0.6)	30.1 (0.5)	38.4 (0.5)	47.3 (0.5)	57.8 (0.4)	64.8 (0.4)	67.5 (0.4)
18-24 years (Total N=7,302)							
Received two COVID-19 vaccinations	14.5 (1.6)	24.7 (1.4)	32.1 (1.5)	41.0 (1.5)	52.6 (1.4)	61.6 (1.4)	67.0 (1.3)
By Eligible Health Conditions:							
Any Eligible Health Condition (Total N=138,897)							
Received two COVID-19 vaccinations	12.7 (0.5)	13.7 (0.3)	17.3 (0.3)	25.1 (0.3)	34.0 (0.3)	43.1 (0.3)	51.8 (0.3)
No Eligible Health Condition (Total N=251,545)							

Received two COVID-19 vaccinations	20.1 (0.4)	24.8 (0.3)	30.3 (0.3)	38.3 (0.3)	47.3 (0.2)	55.1 (0.2)	60.9 (0.2)
By Race/Ethnicity:							
Hispanic (Total N=29,553)							
Received two COVID-19 vaccinations	18.3 (1.0)	23.7 (0.8)	28.1 (0.7)	36.7 (0.7)	45.5 (0.7)	52.0 (0.7)	56.5 (0.6)
American Indian or Alaska Native* (Total N=4,860)							
Received two COVID-19 vaccinations	17.6 (2.5)	19.4 (1.8)	26.9 (1.7)	41.2 (1.9)	44.3 (1.7)	53.9 (1.6)	61.5 (1.6)
Asian* (Total N=8,588)							
Received two COVID-19 vaccinations	23.0 (1.9)	31.6 (1.5)	34.2 (1.4)	38.6 (1.4)	47.0 (1.3)	58.2 (1.2)	62.5 (1.1)
Black or African American* (Total N=19,420)							
Received two COVID-19 vaccinations	18.2 (1.5)	18.9 (0.9)	26.9 (0.9)	32.2 (0.9)	41.8 (0.8)	48.7 (0.8)	53.3 (0.7)
Native Hawaiian or Pacific Islander* (Total N=394)							
Received two COVID-19 vaccinations	NR**	NR**	NR**	NR**	47.7 (4.9)	56.9 (4.3)	59.4 (3.9)
Multiracial or Other* (Total N=8,190)							
Received two COVID-19 vaccinations	23.6 (2.2)	25.3 (1.5)	31.9 (1.5)	39.9 (1.5)	48.6 (1.3)	54.9 (1.2)	60.8 (1.1)
White* (Total N=289,131)							
Received two COVID-19 vaccinations	17.8 (0.3)	20.9 (0.2)	25.2 (0.2)	32.8 (0.2)	41.7 (0.2)	50.2 (0.2)	57.6 (0.2)
By Gender:							
Female (Total N=251,307)							
Received two COVID-19 vaccinations	18.5 (0.4)	22.3 (0.3)	27.2 (0.2)	35.0 (0.3)	43.9 (0.2)	51.6 (0.2)	58.6 (0.2)
Male (Total N=109,653)							
Received two COVID-19 vaccinations	17.9 (0.6)	20.2 (0.4)	24.1 (0.4)	31.5 (0.4)	40.2 (0.4)	48.9 (0.3)	55.7 (0.3)
Other (Total N=1,741)							
Received two COVID-19 vaccinations	NR**	27.1 (3.3)	35.3 (3.0)	37.3 (3.0)	50.0 (2.9)	62.5 (2.6)	60.8 (2.4)
By State:							
Alabama (Total N=4,911)							
Received two COVID-19 vaccinations	21.2 (3.1)	18.5 (1.9)	24.7 (1.9)	31.9 (2.0)	34.1 (1.6)	43.5 (1.4)	50.0 (1.5)

Alaska (Total N=2,319)							
Received two COVID-19 vaccinations	22.0 (3.6)	30.9 (2.9)	24.2 (2.3)	33.1 (3.0)	50.4 (2.5)	63.7 (2.3)	68.4 (2.2)
Arizona (Total N=8,387)							
Received two COVID-19 vaccinations	18.8 (2.4)	18.4 (1.4)	22.7 (1.3)	29.2 (1.5)	34.1 (1.2)	43.3 (1.1)	51.0 (1.1)
Arkansas (Total N=4,138)							
Received two COVID-19 vaccinations	26.9 (3.2)	25.8 (2.0)	25.8 (1.8)	38.1 (2.1)	51.0 (1.8)	56.3 (1.8)	68.7 (1.6)
California (Total N=32,390)							
Received two COVID-19 vaccinations	22.9 (1.3)	23.7 (0.8)	22.5 (0.7)	24.5 (0.7)	33.5 (0.6)	43.9 (0.6)	51.9 (0.6)
Colorado (Total N=7,152)							
Received two COVID-19 vaccinations	22.1 (2.4)	29.8 (1.8)	34.0 (1.6)	40.3 (1.7)	51.7 (1.4)	54.0 (1.3)	53.1 (1.2)
Connecticut (Total N=5,852)							
Received two COVID-19 vaccinations	14.7 (2.1)	21.4 (1.7)	26.2 (1.6)	35.2 (1.8)	51.1 (1.6)	58.5 (1.4)	58.8 (1.3)
Delaware (Total N=1,876)							
Received two COVID-19 vaccinations	NR**	20.4 (2.9)	15.4 (2.1)	22.7 (2.6)	26.7 (2.4)	43.9 (2.5)	62.3 (2.4)
District Of Columbia (Total N=570)							
Received two COVID-19 vaccinations	NR**	NR**	NR**	80.4 (2.1)	NR**	55.3 (4.8)	59.9 (4.7)
Florida (Total N=25,595)							
Received two COVID-19 vaccinations	9.2 (0.8)	12.9 (0.7)	19.8 (0.7)	37.1 (0.9)	50.9 (0.7)	56.8 (0.7)	62.7 (0.7)
Georgia (Total N=9,614)							
Received two COVID-19 vaccinations	15.8 (1.8)	17.0 (1.2)	21.0 (1.1)	26.5 (1.2)	41.6 (1.2)	57.4 (1.1)	68.0 (1.0)
Hawaii (Total N=1,752)							
Received two COVID-19 vaccinations	NR**	25.3 (3.1)	28.4 (2.9)	38.1 (3.1)	54.0 (2.8)	60.0 (2.6)	66.2 (2.4)
Idaho (Total N=2,813)							
Received two COVID-19 vaccinations	25.2 (4.2)	22.3 (2.7)	28.5 (2.4)	27.4 (2.5)	37.4 (2.2)	48.9 (2.0)	59.3 (1.9)
Illinois (Total N=15,016)							
Received two COVID-19 vaccinations	26.9 (1.9)	29.2 (1.3)	28.0 (1.1)	32.3 (1.1)	31.7 (0.9)	36.9 (0.8)	45.9 (0.8)
Indiana (Total N=9,347)							
Received two COVID-19 vaccinations	29.0 (2.3)	28.1 (1.4)	34.5 (1.4)	35.6 (1.4)	46.2 (1.2)	54.1 (1.1)	59.5 (1.1)
Iowa (Total N=4,960)							

Received two COVID-19 vaccinations	11.0 (2.2)	22.3 (2.1)	32.9 (2.0)	45.8 (2.2)	42.7 (1.6)	41.8 (1.5)	40.7 (1.4)
Kansas (Total N=4,147)							
Received two COVID-19 vaccinations	18.8 (2.7)	26.5 (2.3)	32.6 (2.2)	39.9 (2.2)	46.2 (1.8)	49.7 (1.7)	51.5 (1.6)
Kentucky (Total N=5,825)							
Received two COVID-19 vaccinations	11.1 (1.8)	15.0 (1.4)	25.7 (1.6)	35.8 (1.7)	48.3 (1.6)	54.0 (1.5)	60.5 (1.4)
Louisiana (Total N=6,317)							
Received two COVID-19 vaccinations	23.8 (2.2)	21.2 (1.6)	24.1 (1.5)	45.3 (1.8)	54.5 (1.5)	55.8 (1.4)	58.6 (1.3)
Maine (Total N=2,538)							
Received two COVID-19 vaccinations	20.7 (3.5)	32.5 (2.9)	33.6 (2.7)	44.3 (2.8)	46.8 (2.4)	49.7 (2.2)	58.1 (2.1)
Maryland (Total N=5,538)							
Received two COVID-19 vaccinations	15.7 (2.4)	15.9 (1.6)	23.9 (1.6)	35.1 (1.8)	41.1 (1.6)	50.1 (1.5)	57.8 (1.4)
Massachusetts (Total N=5,727)							
Received two COVID-19 vaccinations	25.2 (2.8)	29.4 (2.0)	32.2 (1.8)	35.6 (1.8)	43.5 (1.6)	48.6 (1.4)	49.2 (1.3)
Michigan (Total N=17,811)							
Received two COVID-19 vaccinations	18.4 (1.4)	21.0 (1.0)	27.3 (0.9)	35.6 (1.0)	47.0 (0.9)	56.8 (0.8)	62.8 (0.8)
Minnesota (Total N=6,072)							
Received two COVID-19 vaccinations	20.6 (2.6)	32.3 (2.2)	31.9 (1.7)	35.8 (1.7)	38.2 (1.4)	46.8 (1.4)	58.0 (1.3)
Mississippi (Total N=4,192)							
Received two COVID-19 vaccinations	12.2 (2.6)	15.1 (1.8)	14.8 (1.5)	22.0 (1.8)	36.9 (1.7)	45.2 (1.7)	56.6 (1.6)
Missouri (Total N=6,750)							
Received two COVID-19 vaccinations	20.2 (2.6)	30.0 (2.0)	32.1 (1.7)	32.0 (1.6)	36.6 (1.3)	47.1 (1.3)	53.7 (1.2)
Montana (Total N=2,105)							
Received two COVID-19 vaccinations	NR**	25.1 (3.0)	31.4 (2.9)	41.5 (3.1)	37.3 (2.5)	45.8 (2.3)	53.3 (2.2)
Nebraska (Total N=2,598)							
Received two COVID-19 vaccinations	15.6 (3.1)	22.5 (2.6)	35.3 (2.8)	39.4 (2.9)	42.0 (2.3)	46.5 (2.1)	58.0 (2.0)
Nevada (Total N=2,998)							
Received two COVID-19 vaccinations	21.3 (3.9)	18.1 (2.4)	16.1 (1.9)	27.0 (2.2)	35.9 (2.1)	51.8 (1.9)	57.4 (1.9)
New Hampshire (Total N=2,414)							
Received two COVID-19 vaccinations	21.1 (4.0)	23.4 (2.8)	33.1 (2.7)	38.9 (2.8)	41.3 (2.5)	47.6 (2.3)	56.6 (2.0)

New Jersey (Total N=8,548)							
Received two COVID-19 vaccinations	14.4 (1.9)	16.7 (1.4)	22.0 (1.3)	28.7 (1.4)	37.0 (1.3)	46.3 (1.2)	55.6 (1.1)
New Mexico (Total N=5,315)							
Received two COVID-19 vaccinations	24.8 (3.4)	20.2 (2.0)	30.2 (1.6)	34.8 (1.8)	44.1 (1.6)	57.0 (1.5)	62.2 (1.4)
New York (Total N=19,613)							
Received two COVID-19 vaccinations	11.3 (1.0)	16.4 (0.8)	25.1 (0.9)	36.0 (1.0)	46.6 (0.9)	57.4 (0.8)	60.3 (0.7)
North Carolina (Total N=14,190)							
Received two COVID-19 vaccinations	14.7 (1.5)	19.7 (1.1)	21.1 (0.9)	31.8 (1.1)	45.0 (1.0)	55.4 (0.9)	62.2 (0.9)
North Dakota (Total N=1,161)							
Received two COVID-19 vaccinations	NR**	17.4 (3.3)	32.3 (3.9)	50.0 (4.1)	52.4 (3.4)	57.2 (3.1)	51.6 (3.1)
Ohio (Total N=13,428)							
Received two COVID-19 vaccinations	8.3 (1.2)	14.6 (1.0)	25.6 (1.1)	33.1 (1.2)	42.8 (1.0)	47.9 (0.9)	53.7 (0.9)
Oklahoma (Total N=6,964)							
Received two COVID-19 vaccinations	21.5 (2.0)	19.9 (1.4)	25.8 (1.4)	44.2 (1.7)	54.2 (1.4)	58.5 (1.4)	64.4 (1.3)
Oregon (Total N=5,689)							
Received two COVID-19 vaccinations	17.9 (2.5)	18.1 (1.6)	22.8 (1.5)	31.3 (1.8)	45.4 (1.5)	52.1 (1.5)	64.2 (1.3)
Pennsylvania (Total N=15,912)							
Received two COVID-19 vaccinations	21.6 (1.6)	26.9 (1.1)	26.5 (1.0)	31.9 (1.1)	37.4 (0.9)	44.1 (0.8)	51.1 (0.8)
Rhode Island (Total N=1,227)							
Received two COVID-19 vaccinations	NR**	28.0 (3.7)	31.5 (3.8)	36.0 (3.9)	44.3 (3.6)	47.9 (3.2)	54.5 (2.7)
South Carolina (Total N=7,701)							
Received two COVID-19 vaccinations	26.8 (2.7)	25.0 (1.7)	24.1 (1.3)	32.7 (1.5)	43.2 (1.3)	54.1 (1.2)	60.6 (1.2)
South Dakota (Total N=1,511)							
Received two COVID-19 vaccinations	NR**	23.5 (3.4)	39.5 (3.3)	48.3 (3.7)	46.7 (3.1)	55.7 (2.7)	58.7 (2.6)
Tennessee (Total N=6,887)							
Received two COVID-19 vaccinations	21.8 (2.0)	29.8 (1.6)	49.8 (1.6)	55.2 (1.8)	53.4 (1.5)	53.8 (1.3)	58.5 (1.3)
Texas (Total N=28,382)							
Received two COVID-19 vaccinations	16.4 (1.0)	19.7 (0.7)	28.2 (0.7)	36.9 (0.8)	45.8 (0.7)	54.5 (0.7)	62.5 (0.6)
Utah (Total N=3,569)							

Received two COVID-19 vaccinations	11.0 (2.5)	14.1 (1.7)	26.9 (2.0)	35.3 (2.3)	49.2 (1.9)	59.4 (1.8)	62.3 (1.8)
Vermont (Total N=1,114)							
Received two COVID-19 vaccinations	NR**	31.1 (4.0)	37.9 (3.9)	47.0 (4.3)	50.8 (3.6)	59.9 (3.2)	63.2 (3.0)
Virginia (Total N=12,162)							
Received two COVID-19 vaccinations	19.8 (1.8)	23.3 (1.3)	23.6 (1.1)	27.9 (1.1)	39.2 (1.0)	47.5 (1.0)	57.7 (1.0)
Washington (Total N=10,197)							
Received two COVID-19 vaccinations	17.7 (2.0)	23.1 (1.4)	23.6 (1.2)	29.5 (1.3)	36.3 (1.1)	46.2 (1.1)	59.7 (1.0)
West Virginia (Total N=3,952)							
Received two COVID-19 vaccinations	21.5 (2.7)	29.1 (2.2)	37.4 (2.0)	46.7 (2.2)	53.0 (1.9)	61.9 (1.8)	66.4 (1.7)
Wisconsin (Total N=7,677)							
Received two COVID-19 vaccinations	17.5 (2.3)	27.5 (1.8)	26.4 (1.5)	32.1 (1.5)	38.1 (1.3)	50.2 (1.3)	59.4 (1.2)
Wyoming (Total N=1,131)							
Received two COVID-19 vaccinations	NR**	18.0 (3.6)	15.2 (3.1)	32.7 (4.2)	43.7 (3.3)	49.2 (3.2)	55.9 (3.0)

* Non-Hispanic race/ethnicity groups.

** Not reported because not enough data were collected for aggregate reporting.

D. Table of Vaccine-Hesitant Adults Who are Concerned about a Side Effect

Table D.1. Weekly weighted percentages (standard error) of vaccine-hesitant adults who are concerned about a side effect, Jan 10 – Feb 27, 2021

	Jan 10– Jan 16	Jan 17– Jan 23	Jan 24– Jan 30	Jan 31– Feb 06	Feb 07– Feb 13	Feb 14– Feb 20	Feb 21– Feb 27
Overall (Total N=361,042)							
Concerned about a side effect	73.4 (0.2)	73.0 (0.2)	73.2 (0.2)	73.6 (0.2)	69.1 (0.2)	68.7 (0.2)	69.6 (0.2)
By Healthcare Worker Status:							
Healthcare Workers (Total N=21,755)							
Concerned about a side effect	74.9 (0.9)	77.1 (0.7)	76.9 (0.7)	75.4 (0.8)	72.1 (0.8)	70.4 (0.9)	72.4 (0.9)
Non-Healthcare Workers (Total N=149,429)							
Concerned about a side effect	72.5 (0.4)	72.2 (0.3)	72.5 (0.3)	72.6 (0.3)	67.0 (0.3)	65.6 (0.3)	66.6 (0.3)
By Age:							
65+ years (Total N=45,537)							
Concerned about a side effect	72.3 (0.7)	73.1 (0.5)	74.3 (0.5)	74.7 (0.5)	70.0 (0.6)	70.6 (0.6)	71.2 (0.6)
45-64 years (Total N=120,563)							
Concerned about a side effect	73.4 (0.4)	73.5 (0.3)	74.3 (0.3)	75.5 (0.3)	69.7 (0.3)	69.9 (0.4)	71.4 (0.3)
25-44 years (Total N=125,206)							
Concerned about a side effect	74.6 (0.4)	74.2 (0.3)	74.0 (0.3)	73.6 (0.3)	69.2 (0.3)	68.2 (0.4)	68.6 (0.4)
18-24 years (Total N=23,058)							
Concerned about a side effect	74.9 (0.9)	73.4 (0.7)	73.3 (0.7)	73.2 (0.8)	69.0 (0.8)	68.3 (0.8)	68.5 (0.9)
By Eligible Health Conditions:							

Any Eligible Health Condition (Total N=95,484)							
Concerned about a side effect	78.5 (0.4)	78.5 (0.3)	79.3 (0.3)	79.8 (0.3)	76.2 (0.4)	78.1 (0.3)	78.7 (0.4)
No Eligible Health Condition (Total N=257,420)							
Concerned about a side effect	72.0 (0.3)	71.7 (0.2)	71.7 (0.2)	72.0 (0.2)	67.0 (0.2)	65.9 (0.3)	66.7 (0.3)
By Race/Ethnicity:							
Hispanic (Total N=40,231)							
Concerned about a side effect	77.4 (0.6)	77.6 (0.5)	76.7 (0.5)	78.1 (0.5)	72.9 (0.6)	73.0 (0.6)	73.4 (0.6)
American Indian or Alaska Native* (Total N=4,448)							
Concerned about a side effect	71.3 (2.2)	70.7 (1.7)	74.2 (1.6)	71.3 (1.7)	71.6 (1.8)	69.7 (1.9)	68.8 (1.9)
Asian* (Total N=3,148)							
Concerned about a side effect	78.9 (2.3)	76.7 (1.7)	79.0 (1.7)	74.4 (2.0)	73.1 (2.1)	70.4 (2.2)	75.3 (2.2)
Black or African American* (Total N=31,051)							
Concerned about a side effect	80.7 (0.7)	78.1 (0.5)	79.0 (0.6)	80.0 (0.6)	78.2 (0.6)	78.1 (0.7)	80.5 (0.7)
Native Hawaiian or Pacific Islander* (Total N=505)							
Concerned about a side effect	NR**	63.7 (4.0)	82.7 (3.3)	NR**	71.0 (4.2)	NR**	74.7 (4.1)
Multiracial or Other* (Total N=19,627)							
Concerned about a side effect	70.2 (1.1)	72.8 (0.8)	72.6 (0.8)	73.0 (0.8)	67.4 (0.9)	68.0 (0.9)	69.1 (0.9)
White* (Total N=211,142)							
Concerned about a side effect	72.5 (0.3)	72.2 (0.2)	72.6 (0.2)	72.7 (0.3)	67.5 (0.3)	66.9 (0.3)	67.4 (0.3)
By Gender:							
Female (Total N=208,281)							
Concerned about a side effect	78.8 (0.3)	79.0 (0.2)	79.1 (0.2)	79.8 (0.2)	75.7 (0.3)	75.5 (0.3)	77.0 (0.3)

Male (Total N=94,771)							
Concerned about a side effect	68.4 (0.5)	67.8 (0.4)	68.3 (0.4)	67.8 (0.4)	62.5 (0.4)	61.8 (0.4)	62.1 (0.4)
Other (Total N=5,377)							
Concerned about a side effect	67.0 (2.1)	64.6 (1.7)	68.0 (1.6)	70.1 (1.6)	61.9 (1.7)	65.2 (1.7)	61.9 (1.7)
By State:							
Alabama (Total N=7,487)							
Concerned about a side effect	75.1 (1.6)	73.2 (1.2)	71.3 (1.3)	73.7 (1.3)	72.1 (1.4)	70.6 (1.4)	68.3 (1.5)
Alaska (Total N=1,127)							
Concerned about a side effect	75.9 (4.2)	69.0 (3.4)	75.6 (3.1)	72.9 (3.5)	72.9 (3.4)	60.0 (4.1)	65.5 (3.8)
Arizona (Total N=7,393)							
Concerned about a side effect	75.3 (1.6)	74.5 (1.2)	72.5 (1.3)	69.3 (1.4)	70.8 (1.4)	65.9 (1.5)	65.8 (1.5)
Arkansas (Total N=4,704)							
Concerned about a side effect	75.9 (1.9)	71.9 (1.6)	74.0 (1.7)	76.4 (1.6)	72.1 (1.7)	71.5 (1.7)	75.8 (1.7)
California (Total N=24,175)							
Concerned about a side effect	73.5 (0.9)	75.7 (0.6)	76.3 (0.7)	74.7 (0.7)	70.3 (0.8)	70.1 (0.8)	70.0 (0.8)
Colorado (Total N=5,393)							
Concerned about a side effect	70.9 (2.1)	70.5 (1.5)	68.8 (1.6)	70.1 (1.6)	64.1 (1.7)	64.9 (1.7)	67.9 (1.7)
Connecticut (Total N=3,441)							
Concerned about a side effect	76.6 (2.3)	77.3 (1.7)	75.6 (1.8)	80.4 (1.7)	73.5 (2.0)	74.7 (2.0)	77.7 (2.0)
Delaware (Total N=1,390)							
Concerned about a side effect	79.2 (3.5)	80.8 (2.6)	78.4 (2.8)	78.1 (2.8)	69.8 (3.4)	74.2 (3.1)	76.5 (2.9)
District Of Columbia (Total N=NR**)							
Concerned about a side effect	NR**	NR**	NR**	NR**	NR**	NR**	NR**
Florida (Total N=26,270)							
Concerned about a side effect	73.3 (0.9)	71.1 (0.7)	72.9 (0.7)	73.7 (0.7)	70.1 (0.7)	69.3 (0.7)	71.3 (0.8)
Georgia (Total N=12,266)							
Concerned about a side effect	77.0 (1.2)	72.6 (1.0)	73.6 (1.0)	76.6 (1.0)	70.9 (1.1)	71.0 (1.1)	70.1 (1.2)

Hawaii (Total N=1,055)							
Concerned about a side effect	71.2 (4.3)	75.7 (3.1)	81.6 (2.9)	74.8 (3.7)	69.6 (3.8)	72.4 (3.7)	74.6 (3.6)
Idaho (Total N=3,135)							
Concerned about a side effect	70.7 (2.6)	66.9 (2.0)	71.5 (2.0)	75.2 (2.1)	65.6 (2.2)	60.1 (2.3)	66.9 (2.2)
Illinois (Total N=13,054)							
Concerned about a side effect	72.7 (1.2)	72.7 (0.9)	72.0 (1.0)	72.4 (1.0)	70.2 (1.1)	66.2 (1.1)	68.2 (1.1)
Indiana (Total N=9,286)							
Concerned about a side effect	72.4 (1.5)	72.1 (1.1)	71.3 (1.2)	71.1 (1.2)	65.5 (1.3)	68.1 (1.3)	67.0 (1.4)
Iowa (Total N=4,794)							
Concerned about a side effect	66.0 (2.3)	67.4 (1.7)	69.5 (1.6)	65.5 (1.8)	62.1 (1.8)	61.9 (1.8)	66.0 (1.8)
Kansas (Total N=4,159)							
Concerned about a side effect	72.3 (2.2)	71.3 (1.7)	72.5 (1.7)	72.3 (1.8)	64.7 (1.9)	64.3 (1.9)	66.3 (2.0)
Kentucky (Total N=6,651)							
Concerned about a side effect	77.7 (1.6)	72.1 (1.3)	74.2 (1.3)	71.5 (1.4)	70.9 (1.5)	70.8 (1.5)	70.2 (1.6)
Louisiana (Total N=7,118)							
Concerned about a side effect	73.5 (1.6)	73.0 (1.2)	70.0 (1.3)	77.1 (1.3)	68.7 (1.5)	69.5 (1.5)	69.7 (1.5)
Maine (Total N=2,319)							
Concerned about a side effect	73.8 (2.9)	71.0 (2.2)	68.8 (2.3)	70.9 (2.5)	64.1 (2.7)	67.2 (2.6)	65.4 (2.9)
Maryland (Total N=4,200)							
Concerned about a side effect	76.8 (1.9)	75.3 (1.6)	78.5 (1.6)	75.6 (1.8)	74.2 (1.8)	72.5 (1.8)	73.7 (2.0)
Massachusetts (Total N=4,315)							
Concerned about a side effect	76.1 (2.0)	76.2 (1.5)	72.4 (1.6)	75.5 (1.7)	67.4 (1.9)	71.2 (1.9)	70.0 (2.1)
Michigan (Total N=14,945)							
Concerned about a side effect	69.3 (1.2)	71.1 (0.9)	71.8 (0.9)	72.6 (0.9)	67.5 (1.0)	67.5 (1.0)	68.8 (1.0)
Minnesota (Total N=4,569)							
Concerned about a side effect	64.1 (2.3)	69.3 (1.7)	67.6 (1.7)	66.6 (1.9)	64.9 (1.8)	61.2 (1.9)	65.6 (1.8)
Mississippi (Total N=4,747)							
Concerned about a side effect	78.3 (1.8)	77.2 (1.4)	74.2 (1.6)	74.8 (1.6)	74.5 (1.7)	69.9 (1.8)	73.6 (1.8)

Missouri (Total N=7,840)							
Concerned about a side effect	69.8 (1.6)	74.1 (1.2)	70.5 (1.3)	73.7 (1.3)	66.5 (1.4)	63.8 (1.4)	70.5 (1.4)
Montana (Total N=2,046)							
Concerned about a side effect	64.3 (3.6)	64.9 (2.6)	63.4 (2.6)	68.7 (2.7)	65.9 (2.8)	62.4 (2.8)	69.3 (2.6)
Nebraska (Total N=2,284)							
Concerned about a side effect	66.0 (3.2)	65.5 (2.5)	67.1 (2.5)	72.4 (2.4)	66.6 (2.6)	66.2 (2.7)	63.7 (2.6)
Nevada (Total N=3,045)							
Concerned about a side effect	74.0 (2.6)	73.4 (2.0)	74.1 (2.0)	77.5 (1.9)	65.3 (2.3)	68.5 (2.3)	69.7 (2.2)
New Hampshire (Total N=1,854)							
Concerned about a side effect	70.7 (3.2)	71.4 (2.4)	71.3 (2.6)	72.3 (2.8)	69.1 (2.8)	67.8 (2.9)	70.7 (3.1)
New Jersey (Total N=6,481)							
Concerned about a side effect	74.8 (1.7)	77.8 (1.2)	76.8 (1.3)	75.3 (1.4)	73.5 (1.4)	67.9 (1.6)	74.2 (1.5)
New Mexico (Total N=3,010)							
Concerned about a side effect	75.4 (2.7)	75.9 (2.3)	72.8 (1.9)	73.3 (2.0)	71.1 (2.1)	63.4 (2.2)	63.5 (2.3)
New York (Total N=16,397)							
Concerned about a side effect	78.4 (1.0)	76.7 (0.8)	75.8 (0.8)	77.8 (0.8)	71.5 (0.9)	72.2 (1.0)	74.8 (0.9)
North Carolina (Total N=13,368)							
Concerned about a side effect	74.8 (1.1)	74.4 (0.9)	74.5 (0.9)	76.7 (1.0)	68.9 (1.1)	73.4 (1.0)	72.0 (1.1)
North Dakota (Total N=1,173)							
Concerned about a side effect	68.6 (4.2)	63.9 (3.5)	65.2 (3.6)	71.2 (3.7)	58.8 (3.9)	62.8 (3.4)	56.6 (3.7)
Ohio (Total N=16,760)							
Concerned about a side effect	71.6 (1.1)	70.9 (0.8)	73.1 (0.8)	73.1 (0.9)	67.7 (1.0)	69.2 (0.9)	68.6 (1.0)
Oklahoma (Total N=6,500)							
Concerned about a side effect	72.5 (1.7)	71.5 (1.3)	73.2 (1.3)	71.1 (1.5)	69.0 (1.5)	67.4 (1.6)	69.2 (1.6)
Oregon (Total N=4,885)							
Concerned about a side effect	71.9 (2.1)	69.7 (1.5)	73.5 (1.6)	75.8 (1.6)	68.1 (1.8)	68.3 (1.8)	68.6 (1.8)
Pennsylvania (Total N=15,283)							
Concerned about a side effect	72.1 (1.2)	73.6 (0.9)	74.1 (0.9)	72.8 (0.9)	67.2 (1.0)	66.5 (1.0)	69.2 (1.0)

Rhode Island (Total N=892)							
Concerned about a side effect	NR**	79.3 (3.0)	71.2 (3.6)	73.7 (3.7)	72.9 (3.7)	65.8 (4.2)	72.6 (3.8)
South Carolina (Total N=9,204)							
Concerned about a side effect	74.7 (1.4)	74.4 (1.1)	76.1 (1.1)	76.2 (1.2)	73.0 (1.3)	70.4 (1.3)	71.9 (1.3)
South Dakota (Total N=1,327)							
Concerned about a side effect	63.2 (4.3)	69.8 (3.2)	75.0 (3.1)	70.7 (3.2)	61.8 (3.4)	66.8 (3.4)	68.3 (3.3)
Tennessee (Total N=10,130)							
Concerned about a side effect	72.5 (1.4)	72.0 (1.1)	73.0 (1.1)	73.9 (1.1)	72.4 (1.2)	69.5 (1.2)	71.4 (1.2)
Texas (Total N=27,069)							
Concerned about a side effect	73.9 (0.8)	73.4 (0.6)	73.5 (0.7)	72.3 (0.7)	69.5 (0.7)	71.2 (0.8)	68.5 (0.8)
Utah (Total N=3,265)							
Concerned about a side effect	73.0 (2.6)	67.6 (1.9)	62.5 (2.1)	65.7 (2.2)	64.4 (2.3)	64.1 (2.2)	63.6 (2.3)
Vermont (Total N=675)							
Concerned about a side effect	73.8 (4.3)	76.2 (4.1)	70.3 (4.1)	80.0 (3.9)	73.7 (3.9)	68.3 (4.5)	NR**
Virginia (Total N=10,060)							
Concerned about a side effect	76.8 (1.3)	74.2 (1.0)	77.4 (1.1)	75.9 (1.1)	70.6 (1.2)	68.8 (1.2)	72.1 (1.2)
Washington (Total N=7,011)							
Concerned about a side effect	70.5 (1.7)	71.3 (1.3)	71.6 (1.3)	70.9 (1.4)	67.9 (1.5)	67.9 (1.5)	67.9 (1.5)
West Virginia (Total N=3,681)							
Concerned about a side effect	71.6 (2.3)	69.6 (1.8)	74.2 (1.7)	77.0 (1.8)	68.5 (2.0)	72.1 (2.1)	70.0 (2.1)
Wisconsin (Total N=6,893)							
Concerned about a side effect	70.7 (1.7)	70.9 (1.3)	69.8 (1.4)	69.9 (1.5)	63.9 (1.5)	63.7 (1.6)	62.3 (1.5)
Wyoming (Total N=1,212)							
Concerned about a side effect	69.7 (4.6)	70.0 (3.2)	69.7 (3.4)	62.7 (3.5)	61.2 (3.6)	65.2 (3.7)	65.6 (3.5)

* Non-Hispanic race/ethnicity groups.

** Not reported because not enough data were collected for aggregate reporting.

E. Table of Influence of Information Sources on Vaccine-Hesitant Adults

Table E.1. Weekly weighted percentages (standard error) of vaccine-hesitant adults who are more likely to get vaccinated if recommended by various information sources, Jan 10 – Feb 27, 2021

	Jan 10–Jan 16	Jan 17–Jan 23	Jan 24–Jan 30	Jan 31–Feb 06	Feb 07–Feb 13	Feb 14–Feb 20	Feb 21–Feb 27
Overall (Total N=1,804,414)							
Local health workers	10.4 (0.2)	9.7 (0.1)	9.7 (0.1)	9.2 (0.1)	14.3 (0.2)	16.7 (0.2)	16.2 (0.2)
Friends and family	12.3 (0.2)	11.9 (0.1)	11.6 (0.1)	11.7 (0.1)	10.2 (0.1)	10.1 (0.1)	9.4 (0.1)
World Health Organization	6.4 (0.1)	6.4 (0.1)	6.3 (0.1)	5.7 (0.1)	5.1 (0.1)	4.8 (0.1)	4.4 (0.1)
Government health officials	3.9 (0.1)	3.8 (0.1)	3.8 (0.1)	3.6 (0.1)	2.9 (0.1)	2.6 (0.1)	2.6 (0.1)
Politicians	1.2 (0.1)	1.2 (<0.1)	1.2 (<0.1)	1.1 (<0.1)	1.1 (<0.1)	0.9 (<0.1)	1.0 (<0.1)
By Healthcare Worker Status:							
Healthcare Workers (Total N=93,214)							
Local health workers	9.6 (0.6)	9.1 (0.5)	7.5 (0.4)	7.6 (0.5)	11.8 (0.6)	14.3 (0.6)	13.9 (0.7)
Friends and family	9.4 (0.6)	9.2 (0.5)	9.1 (0.5)	8.5 (0.5)	7.5 (0.5)	7.2 (0.5)	6.7 (0.5)
World Health Organization	5.8 (0.5)	5.9 (0.4)	4.8 (0.4)	4.4 (0.4)	4.3 (0.4)	4.1 (0.4)	3.2 (0.3)
Government health officials	2.3 (0.3)	2.7 (0.3)	2.5 (0.3)	2.2 (0.3)	2.0 (0.3)	2.0 (0.3)	1.3 (0.2)
Politicians	0.6 (0.2)	0.7 (0.1)	0.6 (0.1)	0.3 (0.1)	0.7 (0.2)	0.5 (0.1)	0.4 (0.1)
Non-Healthcare Workers (Total N=732,455)							
Local health workers	10.7 (0.2)	9.9 (0.2)	9.7 (0.2)	9.3 (0.2)	14.4 (0.2)	17.1 (0.3)	16.7 (0.3)
Friends and family	12.8 (0.3)	12.1 (0.2)	12.1 (0.2)	12.1 (0.2)	10.5 (0.2)	10.2 (0.2)	9.7 (0.2)
World Health Organization	6.1 (0.2)	5.8 (0.1)	5.8 (0.1)	5.1 (0.1)	4.3 (0.1)	4.2 (0.1)	3.7 (0.1)
Government health officials	3.4 (0.1)	3.2 (0.1)	3.2 (0.1)	2.6 (0.1)	2.2 (0.1)	2.0 (0.1)	1.9 (0.1)
Politicians	0.7 (0.1)	0.7 (0.1)	0.8 (0.1)	0.6 (0.1)	0.6 (0.1)	0.5 (<0.1)	0.5 (<0.1)
By Age:							

65+ years (Total N=213,446)							
Local health workers	10.1 (0.5)	10.3 (0.4)	9.6 (0.3)	9.2 (0.4)	16.3 (0.5)	18.8 (0.5)	17.9 (0.5)
Friends and family	11.6 (0.5)	11.3 (0.4)	10.7 (0.4)	10.5 (0.4)	8.7 (0.4)	7.6 (0.3)	7.2 (0.3)
World Health Organization	4.9 (0.3)	4.9 (0.3)	4.2 (0.2)	3.7 (0.2)	2.7 (0.2)	3.0 (0.2)	2.4 (0.2)
Government health officials	3.6 (0.3)	3.5 (0.2)	3.3 (0.2)	2.8 (0.2)	2.0 (0.2)	2.0 (0.2)	2.0 (0.2)
Politicians	1.0 (0.2)	1.0 (0.1)	1.2 (0.1)	0.9 (0.1)	0.8 (0.1)	0.7 (0.1)	0.8 (0.1)
45-64 years (Total N=570,588)							
Local health workers	10.2 (0.3)	9.3 (0.2)	9.0 (0.2)	8.2 (0.2)	13.6 (0.3)	16.1 (0.3)	15.4 (0.3)
Friends and family	11.1 (0.3)	10.2 (0.2)	10.0 (0.2)	9.9 (0.2)	8.6 (0.2)	8.0 (0.2)	7.3 (0.2)
World Health Organization	5.4 (0.2)	4.9 (0.1)	4.8 (0.2)	4.1 (0.2)	3.6 (0.1)	3.3 (0.1)	2.9 (0.1)
Government health officials	4.1 (0.2)	3.3 (0.1)	3.3 (0.1)	2.9 (0.1)	2.6 (0.1)	2.0 (0.1)	1.7 (0.1)
Politicians	1.5 (0.1)	1.2 (0.1)	1.2 (0.1)	1.0 (0.1)	1.1 (0.1)	0.9 (0.1)	0.7 (0.1)
25-44 years (Total N=630,207)							
Local health workers	10.5 (0.3)	9.9 (0.2)	9.4 (0.2)	9.7 (0.2)	14.1 (0.3)	16.5 (0.3)	16.4 (0.3)
Friends and family	12.0 (0.3)	12.1 (0.2)	11.5 (0.2)	11.8 (0.2)	10.3 (0.2)	10.5 (0.2)	9.8 (0.2)
World Health Organization	6.6 (0.2)	6.8 (0.2)	6.4 (0.2)	6.0 (0.2)	5.7 (0.2)	5.0 (0.2)	4.8 (0.2)
Government health officials	3.6 (0.2)	3.6 (0.1)	3.7 (0.1)	3.6 (0.1)	2.8 (0.1)	2.3 (0.1)	2.6 (0.1)
Politicians	0.9 (0.1)	1.1 (0.1)	1.0 (0.1)	1.0 (0.1)	1.0 (0.1)	0.8 (0.1)	0.9 (0.1)
18-24 years (Total N=103,046)							
Local health workers	12.1 (0.7)	11.4 (0.5)	11.9 (0.5)	11.7 (0.6)	17.3 (0.7)	20.2 (0.7)	18.1 (0.7)
Friends and family	16.9 (0.8)	16.1 (0.6)	17.0 (0.6)	17.4 (0.7)	15.2 (0.6)	14.9 (0.6)	14.4 (0.7)
World Health Organization	9.2 (0.6)	9.7 (0.5)	9.9 (0.5)	9.5 (0.5)	8.3 (0.5)	8.6 (0.5)	6.9 (0.5)
Government health officials	4.5 (0.4)	5.1 (0.3)	4.8 (0.3)	4.1 (0.3)	3.7 (0.3)	4.0 (0.3)	3.6 (0.3)
Politicians	0.7 (0.2)	0.9 (0.1)	1.1 (0.2)	0.7 (0.1)	0.8 (0.2)	0.9 (0.2)	0.9 (0.2)
By Eligible Health Conditions:							
Any Eligible Health Condition (Total N=474,724)							
Local health workers	10.8 (0.3)	9.7 (0.2)	9.8 (0.2)	9.1 (0.2)	16.5 (0.3)	18.9 (0.3)	17.9 (0.3)
Friends and family	11.4 (0.3)	10.4 (0.2)	10.9 (0.3)	10.7 (0.3)	9.7 (0.2)	8.8 (0.2)	7.9 (0.2)

World Health Organization	6.2 (0.3)	5.5 (0.2)	5.7 (0.2)	5.2 (0.2)	4.7 (0.2)	3.9 (0.2)	3.6 (0.2)
Government health officials	4.1 (0.2)	3.8 (0.2)	3.7 (0.2)	3.8 (0.2)	2.7 (0.1)	2.3 (0.1)	2.1 (0.1)
Politicians	1.4 (0.1)	1.4 (0.1)	1.3 (0.1)	1.2 (0.1)	1.1 (0.1)	0.9 (0.1)	0.9 (0.1)
No Eligible Health Condition (Total N=1,284,114)							
Local health workers	10.3 (0.2)	9.6 (0.1)	9.6 (0.1)	9.2 (0.1)	13.6 (0.2)	15.9 (0.2)	15.7 (0.2)
Friends and family	12.5 (0.2)	12.2 (0.2)	11.7 (0.2)	12.0 (0.2)	10.3 (0.2)	10.4 (0.2)	9.8 (0.2)
World Health Organization	6.4 (0.1)	6.6 (0.1)	6.3 (0.1)	5.8 (0.1)	5.2 (0.1)	5.0 (0.1)	4.6 (0.1)
Government health officials	3.8 (0.1)	3.8 (0.1)	3.8 (0.1)	3.4 (0.1)	2.9 (0.1)	2.6 (0.1)	2.6 (0.1)
Politicians	1.1 (0.1)	1.1 (<0.1)	1.1 (0.1)	1.0 (0.1)	1.0 (0.1)	0.9 (0.1)	1.0 (0.1)
By Race/Ethnicity:							
Hispanic (Total N=190,476)							
Local health workers	12.3 (0.5)	12.0 (0.4)	11.5 (0.4)	11.6 (0.4)	17.0 (0.5)	19.3 (0.6)	18.5 (0.6)
Friends and family	14.2 (0.5)	14.1 (0.4)	13.6 (0.4)	15.2 (0.5)	12.8 (0.4)	12.0 (0.5)	11.8 (0.5)
World Health Organization	10.7 (0.5)	11.1 (0.4)	11.0 (0.4)	10.2 (0.4)	9.7 (0.4)	8.9 (0.4)	7.6 (0.4)
Government health officials	7.6 (0.4)	6.8 (0.3)	7.1 (0.3)	7.1 (0.3)	6.1 (0.3)	5.5 (0.3)	5.4 (0.3)
Politicians	2.6 (0.2)	2.3 (0.2)	2.4 (0.2)	2.5 (0.2)	2.3 (0.2)	1.8 (0.2)	1.9 (0.2)
American Indian or Alaska Native* (Total N=19,414)							
Local health workers	6.9 (1.2)	8.3 (1.0)	7.4 (0.9)	7.6 (1.0)	12.5 (1.3)	13.2 (1.4)	13.0 (1.4)
Friends and family	8.1 (1.3)	10.5 (1.1)	10.6 (1.1)	8.4 (1.1)	9.1 (1.1)	8.8 (1.2)	5.6 (0.9)
World Health Organization	6.4 (1.2)	5.0 (0.8)	6.8 (0.9)	4.0 (0.8)	5.7 (0.9)	3.1 (0.7)	3.5 (0.7)
Government health officials	2.7 (0.8)	3.2 (0.6)	3.5 (0.7)	4.1 (0.8)	3.0 (0.7)	1.5 (0.5)	2.2 (0.6)
Politicians	1.0 (0.5)	1.4 (0.4)	1.7 (0.5)	1.0 (0.4)	1.0 (0.4)	1.1 (0.4)	0.2 (0.2)
Asian* (Total N=13,614)							
Local health workers	18.6 (2.2)	16.4 (1.5)	15.8 (1.6)	15.0 (1.7)	25.0 (2.1)	25.2 (2.2)	32.6 (2.5)
Friends and family	17.1 (2.1)	17.4 (1.5)	16.0 (1.6)	17.3 (1.8)	16.5 (1.8)	14.5 (1.8)	16.9 (2.0)
World Health Organization	15.5 (2.0)	17.5 (1.6)	15.5 (1.6)	14.6 (1.7)	13.9 (1.7)	15.2 (1.8)	16.3 (1.9)
Government health officials	13.2 (1.9)	12.0 (1.3)	10.6 (1.3)	12.0 (1.5)	11.6 (1.6)	8.5 (1.4)	9.2 (1.5)

Politicians	2.6 (0.9)	4.2 (0.8)	3.2 (0.8)	2.3 (0.7)	3.9 (1.0)	2.9 (0.8)	2.4 (0.8)
Black or African American* (Total N=155,137)							
Local health workers	10.1 (0.5)	9.4 (0.4)	8.7 (0.4)	8.3 (0.4)	14.1 (0.5)	16.3 (0.6)	15.4 (0.6)
Friends and family	13.0 (0.6)	12.1 (0.4)	12.5 (0.4)	12.2 (0.5)	11.7 (0.5)	12.0 (0.5)	11.8 (0.5)
World Health Organization	8.8 (0.5)	8.3 (0.4)	7.3 (0.4)	7.6 (0.4)	7.6 (0.4)	7.2 (0.4)	6.5 (0.4)
Government health officials	5.6 (0.4)	5.3 (0.3)	5.2 (0.3)	4.6 (0.3)	4.6 (0.3)	3.6 (0.3)	3.7 (0.3)
Politicians	1.9 (0.2)	1.8 (0.2)	1.8 (0.2)	1.4 (0.2)	2.0 (0.2)	1.6 (0.2)	1.8 (0.2)
Native Hawaiian or Pacific Islander* (Total N=2,186)							
Local health workers	12.3 (3.3)	12.4 (2.8)	10.0 (2.6)	NR**	17.7 (3.6)	NR**	12.9 (3.2)
Friends and family	9.3 (2.9)	10.3 (2.5)	10.7 (2.7)	NR**	15.1 (3.3)	NR**	9.7 (2.9)
World Health Organization	10.2 (3.0)	4.2 (1.7)	6.4 (2.1)	NR**	6.4 (2.3)	NR**	4.1 (1.9)
Government health officials	11.2 (3.1)	4.0 (1.6)	6.2 (2.1)	NR**	3.9 (1.8)	NR**	2.3 (1.5)
Politicians	4.5 (2.1)	0.3 (0.5)	0.4 (0.5)	NR**	1.3 (1.1)	NR**	0.5 (0.7)
Multiracial or Other* (Total N=92,977)							
Local health workers	8.9 (0.7)	7.6 (0.5)	8.0 (0.5)	7.7 (0.5)	12.0 (0.6)	13.2 (0.6)	13.5 (0.6)
Friends and family	9.8 (0.7)	10.0 (0.5)	10.4 (0.5)	10.1 (0.6)	8.3 (0.5)	9.2 (0.5)	8.9 (0.5)
World Health Organization	5.6 (0.5)	5.0 (0.4)	5.5 (0.4)	5.1 (0.4)	4.4 (0.4)	3.8 (0.4)	3.2 (0.3)
Government health officials	2.8 (0.4)	2.4 (0.3)	3.0 (0.3)	2.6 (0.3)	2.5 (0.3)	1.5 (0.2)	1.1 (0.2)
Politicians	0.8 (0.2)	0.9 (0.2)	0.7 (0.1)	0.8 (0.2)	0.9 (0.2)	0.8 (0.2)	0.4 (0.1)
White* (Total N=1,030,064)							
Local health workers	10.3 (0.2)	9.7 (0.2)	9.5 (0.2)	9.2 (0.2)	14.3 (0.2)	17.2 (0.2)	16.3 (0.2)
Friends and family	12.2 (0.2)	11.6 (0.2)	11.2 (0.2)	11.2 (0.2)	9.6 (0.2)	9.4 (0.2)	8.6 (0.2)
World Health Organization	4.8 (0.1)	4.9 (0.1)	4.6 (0.1)	4.2 (0.1)	3.5 (0.1)	3.5 (0.1)	3.1 (0.1)
Government health officials	2.6 (0.1)	2.6 (0.1)	2.5 (0.1)	2.2 (0.1)	1.6 (0.1)	1.7 (0.1)	1.5 (0.1)
Politicians	0.5 (0.1)	0.6 (<0.1)	0.6 (<0.1)	0.5 (<0.1)	0.5 (<0.1)	0.4 (<0.1)	0.5 (<0.1)

By Gender:

Female (Total N=1,042,212)

Local health workers	11.2 (0.2)	10.6 (0.2)	10.4 (0.2)	10.2 (0.2)	15.3 (0.2)	17.5 (0.2)	16.8 (0.2)
Friends and family	12.5 (0.2)	12.1 (0.2)	11.6 (0.2)	11.5 (0.2)	10.2 (0.2)	9.7 (0.2)	9.3 (0.2)
World Health Organization	7.1 (0.2)	7.3 (0.1)	7.0 (0.1)	6.8 (0.1)	5.9 (0.1)	5.5 (0.1)	5.0 (0.1)
Government health officials	4.1 (0.1)	3.9 (0.1)	3.9 (0.1)	3.8 (0.1)	3.1 (0.1)	2.7 (0.1)	2.5 (0.1)
Politicians	1.0 (0.1)	1.1 (0.1)	1.0 (0.1)	1.0 (0.1)	0.9 (0.1)	0.8 (0.1)	0.8 (0.1)
Male (Total N=456,875)							
Local health workers	10.2 (0.3)	9.5 (0.2)	9.1 (0.2)	8.7 (0.2)	14.3 (0.3)	17.5 (0.3)	16.7 (0.3)
Friends and family	12.9 (0.4)	12.3 (0.3)	12.2 (0.3)	12.5 (0.3)	10.6 (0.3)	10.8 (0.3)	9.7 (0.3)
World Health Organization	5.7 (0.2)	5.5 (0.2)	5.2 (0.2)	4.5 (0.2)	4.3 (0.2)	4.2 (0.2)	3.6 (0.2)
Government health officials	3.8 (0.2)	3.6 (0.1)	3.5 (0.1)	2.9 (0.1)	2.5 (0.1)	2.3 (0.1)	2.3 (0.1)
Politicians	1.1 (0.1)	1.0 (0.1)	1.1 (0.1)	0.8 (0.1)	1.0 (0.1)	0.8 (0.1)	0.9 (0.1)
Other (Total N=20,182)							
Local health workers	6.6 (1.1)	7.4 (0.9)	6.7 (0.9)	8.5 (1.0)	10.4 (1.1)	11.7 (1.1)	10.6 (1.1)
Friends and family	9.8 (1.3)	8.7 (1.0)	9.5 (1.0)	10.7 (1.1)	7.7 (0.9)	7.0 (0.9)	7.2 (0.9)
World Health Organization	3.1 (0.8)	6.0 (0.8)	5.2 (0.8)	4.9 (0.8)	4.1 (0.7)	2.6 (0.6)	2.7 (0.6)
Government health officials	3.0 (0.8)	3.5 (0.6)	2.5 (0.5)	3.2 (0.6)	2.4 (0.5)	1.7 (0.5)	1.9 (0.5)
Politicians	2.0 (0.6)	1.4 (0.4)	1.5 (0.4)	1.6 (0.4)	1.9 (0.5)	1.0 (0.4)	1.1 (0.4)
By State:							
Alabama (Total N=35,453)							
Local health workers	7.8 (0.9)	9.5 (0.8)	9.6 (0.8)	7.9 (0.8)	15.1 (1.1)	14.9 (1.1)	15.9 (1.2)
Friends and family	10.3 (1.1)	11.3 (0.9)	11.8 (0.9)	10.6 (0.9)	10.6 (0.9)	10.6 (1.0)	9.1 (0.9)
World Health Organization	3.7 (0.7)	6.1 (0.7)	4.8 (0.6)	4.6 (0.6)	4.7 (0.7)	4.2 (0.6)	2.7 (0.5)
Government health officials	3.1 (0.6)	4.2 (0.6)	2.7 (0.5)	2.6 (0.5)	3.0 (0.5)	2.6 (0.5)	1.4 (0.4)
Politicians	0.6 (0.3)	1.2 (0.3)	1.2 (0.3)	0.8 (0.3)	0.8 (0.3)	0.6 (0.2)	0.6 (0.3)
Alaska (Total N=2,470)							
Local health workers	12.9 (3.3)	7.2 (1.9)	8.5 (2.0)	7.4 (2.0)	11.5 (2.4)	10.4 (2.6)	12.1 (2.6)
Friends and family	12.9 (3.3)	9.4 (2.1)	11.9 (2.3)	8.5 (2.2)	11.6 (2.4)	5.3 (1.9)	6.1 (1.9)
World Health Organization	8.1 (2.7)	4.4 (1.5)	5.4 (1.6)	2.0 (1.1)	2.5 (1.2)	2.4 (1.3)	1.0 (0.8)

Government health officials	4.3 (2.0)	2.4 (1.1)	1.8 (1.0)	0.9 (0.7)	1.4 (0.9)	0.4 (0.5)	1.6 (1.0)
Politicians	0.5 (0.7)	1.3 (0.8)	0.3 (0.4)	0.3 (0.4)	0.8 (0.7)	0.4 (0.5)	1.0 (0.8)
Arizona (Total N=33,424)							
Local health workers	8.3 (1.0)	10.0 (0.8)	9.4 (0.8)	9.0 (0.9)	13.4 (1.1)	14.5 (1.1)	13.8 (1.1)
Friends and family	11.9 (1.2)	12.0 (0.9)	9.8 (0.8)	10.1 (0.9)	8.0 (0.9)	8.3 (0.9)	8.9 (0.9)
World Health Organization	6.4 (0.9)	5.8 (0.6)	6.3 (0.7)	5.0 (0.7)	5.2 (0.7)	3.2 (0.6)	4.2 (0.6)
Government health officials	2.9 (0.6)	2.8 (0.5)	3.8 (0.5)	1.7 (0.4)	3.2 (0.6)	2.3 (0.5)	1.2 (0.4)
Politicians	1.3 (0.4)	1.1 (0.3)	1.2 (0.3)	0.4 (0.2)	0.8 (0.3)	1.0 (0.3)	0.8 (0.3)
Arkansas (Total N=20,183)							
Local health workers	10.2 (1.3)	8.1 (1.0)	7.9 (1.0)	7.7 (1.0)	13.3 (1.3)	17.6 (1.5)	14.7 (1.4)
Friends and family	11.0 (1.4)	11.8 (1.1)	11.4 (1.2)	10.8 (1.2)	11.3 (1.2)	7.3 (1.0)	7.3 (1.0)
World Health Organization	5.5 (1.0)	5.0 (0.8)	4.1 (0.7)	5.4 (0.8)	5.0 (0.8)	5.1 (0.8)	2.4 (0.6)
Government health officials	4.7 (0.9)	2.8 (0.6)	2.3 (0.6)	2.8 (0.6)	2.5 (0.6)	1.8 (0.5)	1.9 (0.5)
Politicians	0.9 (0.4)	1.2 (0.4)	0.9 (0.4)	0.7 (0.3)	1.0 (0.4)	0.8 (0.3)	0.9 (0.4)
California (Total N=110,153)							
Local health workers	12.3 (0.6)	11.4 (0.5)	10.9 (0.5)	12.1 (0.6)	15.8 (0.6)	17.6 (0.7)	16.8 (0.7)
Friends and family	14.5 (0.7)	13.8 (0.5)	13.5 (0.5)	15.2 (0.6)	11.4 (0.6)	11.6 (0.6)	11.1 (0.6)
World Health Organization	8.4 (0.5)	8.6 (0.4)	9.7 (0.5)	8.4 (0.5)	7.5 (0.5)	7.1 (0.5)	7.0 (0.5)
Government health officials	6.4 (0.5)	5.4 (0.3)	6.4 (0.4)	5.7 (0.4)	4.2 (0.3)	4.4 (0.4)	4.3 (0.4)
Politicians	1.8 (0.3)	1.6 (0.2)	1.8 (0.2)	2.3 (0.3)	2.1 (0.3)	1.0 (0.2)	1.7 (0.2)
Colorado (Total N=21,817)							
Local health workers	12.8 (1.5)	11.2 (1.0)	8.8 (1.0)	10.3 (1.1)	11.3 (1.1)	14.7 (1.2)	16.7 (1.4)
Friends and family	11.7 (1.5)	13.0 (1.1)	11.8 (1.1)	13.4 (1.2)	10.2 (1.1)	8.5 (1.0)	9.8 (1.1)
World Health Organization	6.7 (1.1)	7.0 (0.8)	5.9 (0.8)	4.2 (0.7)	4.5 (0.7)	4.1 (0.7)	3.3 (0.7)
Government health officials	4.8 (1.0)	3.6 (0.6)	3.3 (0.6)	3.5 (0.7)	2.6 (0.6)	2.6 (0.6)	2.2 (0.5)
Politicians	1.0 (0.5)	0.8 (0.3)	1.2 (0.4)	1.1 (0.4)	1.0 (0.4)	0.4 (0.2)	1.4 (0.4)
Connecticut (Total N=15,300)							
Local health workers	11.2 (1.8)	10.4 (1.2)	10.0 (1.3)	6.4 (1.1)	12.8 (1.5)	17.6 (1.8)	15.7 (1.8)
Friends and family	10.6 (1.7)	9.8 (1.2)	10.8 (1.3)	10.1 (1.3)	8.0 (1.2)	10.1 (1.4)	10.7 (1.5)

World Health Organization	6.9 (1.4)	7.5 (1.0)	9.3 (1.2)	6.2 (1.1)	4.3 (0.9)	5.3 (1.1)	3.9 (0.9)
Government health officials	4.9 (1.2)	5.8 (0.9)	6.0 (1.0)	2.2 (0.6)	3.2 (0.8)	3.7 (0.9)	2.2 (0.7)
Politicians	1.8 (0.7)	1.3 (0.4)	1.9 (0.6)	0.6 (0.4)	0.9 (0.4)	1.8 (0.6)	1.2 (0.5)
Delaware (Total N=4,803)							
Local health workers	14.4 (3.0)	8.6 (1.8)	9.6 (2.0)	6.8 (1.8)	20.3 (3.0)	13.5 (2.4)	16.5 (2.5)
Friends and family	10.2 (2.6)	11.3 (2.0)	10.5 (2.1)	11.5 (2.2)	12.9 (2.5)	8.7 (2.0)	6.4 (1.7)
World Health Organization	5.4 (1.9)	6.2 (1.6)	4.8 (1.5)	4.2 (1.4)	4.2 (1.5)	4.2 (1.4)	7.1 (1.8)
Government health officials	4.6 (1.8)	2.1 (0.9)	4.4 (1.4)	3.2 (1.2)	2.6 (1.2)	1.8 (0.9)	1.6 (0.8)
Politicians	1.1 (0.9)	1.0 (0.7)	1.2 (0.7)	0.2 (0.3)	2.5 (1.1)	1.8 (0.9)	0.8 (0.6)
District Of Columbia (Total N=NR**)							
Local health workers	NR**	NR**	NR**	NR**	NR**	NR**	NR**
Friends and family	NR**	NR**	NR**	NR**	NR**	NR**	NR**
World Health Organization	NR**	NR**	NR**	NR**	NR**	NR**	NR**
Government health officials	NR**	NR**	NR**	NR**	NR**	NR**	NR**
Politicians	NR**	NR**	NR**	NR**	NR**	NR**	NR**
Florida (Total N=130,469)							
Local health workers	9.1 (0.6)	10.0 (0.4)	10.1 (0.5)	8.9 (0.5)	16.4 (0.6)	17.9 (0.6)	16.9 (0.6)
Friends and family	10.5 (0.6)	12.1 (0.5)	11.8 (0.5)	12.1 (0.5)	8.8 (0.5)	9.7 (0.5)	9.4 (0.5)
World Health Organization	6.2 (0.5)	6.7 (0.4)	6.5 (0.4)	5.5 (0.4)	5.7 (0.4)	5.2 (0.4)	4.4 (0.3)
Government health officials	4.6 (0.4)	3.5 (0.3)	3.9 (0.3)	3.6 (0.3)	3.5 (0.3)	3.4 (0.3)	2.7 (0.3)
Politicians	1.1 (0.2)	1.2 (0.2)	1.4 (0.2)	1.0 (0.2)	1.2 (0.2)	1.3 (0.2)	1.0 (0.2)
Georgia (Total N=56,841)							
Local health workers	9.0 (0.8)	7.8 (0.6)	9.4 (0.6)	9.9 (0.7)	14.3 (0.8)	19.0 (0.9)	14.7 (0.9)
Friends and family	12.3 (0.9)	11.5 (0.7)	13.6 (0.8)	12.0 (0.8)	9.5 (0.7)	12.6 (0.8)	10.0 (0.8)
World Health Organization	5.2 (0.6)	5.5 (0.5)	5.2 (0.5)	5.7 (0.5)	4.8 (0.5)	5.0 (0.5)	4.3 (0.5)
Government health officials	3.7 (0.5)	4.3 (0.4)	2.5 (0.3)	4.0 (0.5)	2.3 (0.4)	2.9 (0.4)	2.5 (0.4)
Politicians	0.9 (0.3)	1.3 (0.2)	0.9 (0.2)	1.3 (0.3)	1.0 (0.2)	0.5 (0.2)	1.6 (0.3)
Hawaii (Total N=3,430)							
Local health workers	10.2 (2.9)	12.3 (2.3)	9.9 (2.2)	8.3 (2.4)	13.7 (2.9)	12.0 (2.7)	16.5 (3.1)

Friends and family	13.8 (3.3)	13.1 (2.4)	8.2 (2.1)	12.5 (2.9)	12.5 (2.8)	8.6 (2.3)	12.1 (2.7)
World Health Organization	9.5 (2.8)	11.1 (2.2)	8.2 (2.0)	9.4 (2.5)	4.7 (1.8)	3.8 (1.6)	2.3 (1.2)
Government health officials	4.1 (1.9)	6.7 (1.8)	0.9 (0.7)	6.2 (2.1)	4.0 (1.7)	3.1 (1.5)	3.7 (1.6)
Politicians	1.4 (1.1)	3.1 (1.2)	1.3 (0.8)	1.8 (1.2)	0.4 (0.5)	1.0 (0.8)	1.7 (1.1)
Idaho (Total N=10,944)							
Local health workers	11.1 (1.8)	12.1 (1.4)	9.5 (1.3)	10.3 (1.5)	15.3 (1.7)	18.2 (1.8)	16.4 (1.8)
Friends and family	11.0 (1.8)	13.5 (1.5)	7.8 (1.2)	15.0 (1.7)	9.4 (1.4)	9.0 (1.4)	8.5 (1.3)
World Health Organization	2.1 (0.8)	3.9 (0.8)	3.9 (0.8)	2.9 (0.8)	3.5 (0.9)	4.8 (1.0)	3.1 (0.8)
Government health officials	1.5 (0.7)	1.7 (0.6)	2.3 (0.6)	1.0 (0.5)	1.7 (0.6)	1.1 (0.5)	1.7 (0.6)
Politicians	0.8 (0.5)	0.6 (0.3)	0.5 (0.3)	0.4 (0.3)	0.4 (0.3)	0.5 (0.3)	0.3 (0.3)
Illinois (Total N=59,749)							
Local health workers	10.3 (0.8)	8.7 (0.6)	10.6 (0.7)	9.5 (0.7)	14.6 (0.8)	17.1 (0.9)	17.4 (0.9)
Friends and family	11.0 (0.8)	10.6 (0.6)	13.0 (0.7)	12.4 (0.8)	9.9 (0.7)	11.3 (0.7)	8.2 (0.7)
World Health Organization	9.3 (0.8)	6.4 (0.5)	6.3 (0.5)	7.3 (0.6)	4.3 (0.5)	5.0 (0.5)	3.9 (0.5)
Government health officials	3.7 (0.5)	3.5 (0.4)	4.1 (0.4)	3.7 (0.4)	3.2 (0.4)	2.8 (0.4)	2.1 (0.4)
Politicians	0.8 (0.2)	1.3 (0.2)	1.2 (0.2)	1.5 (0.3)	0.7 (0.2)	0.4 (0.2)	0.5 (0.2)
Indiana (Total N=43,848)							
Local health workers	7.6 (0.9)	10.0 (0.7)	9.0 (0.7)	7.8 (0.7)	13.8 (0.9)	16.0 (1.0)	16.8 (1.1)
Friends and family	10.4 (1.0)	11.8 (0.8)	11.1 (0.8)	12.6 (0.9)	10.6 (0.8)	9.0 (0.8)	8.8 (0.8)
World Health Organization	4.2 (0.7)	5.5 (0.6)	6.5 (0.6)	4.4 (0.6)	3.5 (0.5)	4.4 (0.6)	4.1 (0.6)
Government health officials	2.9 (0.5)	2.9 (0.4)	3.7 (0.5)	2.5 (0.4)	1.6 (0.3)	2.1 (0.4)	3.5 (0.5)
Politicians	0.7 (0.3)	0.6 (0.2)	1.3 (0.3)	0.6 (0.2)	0.3 (0.1)	0.5 (0.2)	0.9 (0.3)
Iowa (Total N=17,170)							
Local health workers	10.4 (1.5)	9.6 (1.1)	9.6 (1.0)	8.9 (1.1)	15.8 (1.3)	15.8 (1.4)	14.3 (1.3)
Friends and family	10.1 (1.4)	9.9 (1.1)	9.7 (1.1)	8.1 (1.0)	11.1 (1.2)	10.1 (1.1)	7.7 (1.0)
World Health Organization	4.4 (1.0)	4.8 (0.8)	4.8 (0.8)	5.9 (0.9)	5.9 (0.9)	3.2 (0.7)	3.1 (0.7)
Government health officials	4.7 (1.0)	3.3 (0.6)	3.4 (0.6)	2.7 (0.6)	2.8 (0.6)	1.9 (0.5)	1.7 (0.5)
Politicians	1.0 (0.5)	1.0 (0.4)	1.0 (0.4)	0.5 (0.3)	1.1 (0.4)	1.1 (0.4)	1.3 (0.4)
Kansas (Total N=16,106)							

Local health workers	10.9 (1.5)	7.7 (1.0)	9.0 (1.1)	8.7 (1.1)	12.3 (1.3)	16.9 (1.5)	17.8 (1.6)
Friends and family	13.5 (1.7)	13.0 (1.3)	10.8 (1.2)	11.2 (1.3)	9.3 (1.2)	7.2 (1.0)	9.9 (1.3)
World Health Organization	6.5 (1.2)	3.7 (0.7)	4.0 (0.8)	5.1 (0.9)	3.7 (0.8)	3.9 (0.8)	4.0 (0.8)
Government health officials	2.1 (0.7)	2.6 (0.6)	2.9 (0.6)	3.6 (0.7)	1.3 (0.5)	2.0 (0.6)	1.5 (0.5)
Politicians	1.3 (0.6)	0.4 (0.3)	0.8 (0.4)	0.6 (0.3)	0.9 (0.4)	0.9 (0.4)	0.5 (0.3)
Kentucky (Total N=32,855)							
Local health workers	9.4 (1.1)	7.8 (0.8)	6.6 (0.7)	9.4 (0.9)	13.2 (1.1)	14.3 (1.1)	15.6 (1.2)
Friends and family	14.8 (1.4)	8.9 (0.8)	12.3 (1.0)	12.0 (1.0)	9.7 (0.9)	9.4 (1.0)	8.9 (1.0)
World Health Organization	5.9 (0.9)	4.6 (0.6)	3.8 (0.6)	4.5 (0.7)	4.2 (0.6)	3.5 (0.6)	3.5 (0.6)
Government health officials	2.1 (0.6)	2.1 (0.4)	2.4 (0.5)	2.3 (0.5)	1.2 (0.3)	2.5 (0.5)	1.1 (0.4)
Politicians	1.2 (0.4)	0.5 (0.2)	1.1 (0.3)	1.1 (0.3)	0.4 (0.2)	0.4 (0.2)	0.5 (0.3)
Louisiana (Total N=32,692)							
Local health workers	9.4 (1.0)	9.2 (0.8)	9.6 (0.9)	9.2 (0.9)	14.0 (1.1)	17.9 (1.3)	16.7 (1.3)
Friends and family	11.3 (1.1)	11.6 (0.9)	10.3 (0.9)	10.6 (1.0)	9.3 (0.9)	11.0 (1.0)	9.2 (1.0)
World Health Organization	6.4 (0.9)	4.5 (0.6)	4.3 (0.6)	3.7 (0.6)	4.9 (0.7)	5.2 (0.7)	2.8 (0.6)
Government health officials	2.9 (0.6)	3.7 (0.5)	3.2 (0.5)	2.5 (0.5)	2.0 (0.4)	1.7 (0.4)	2.5 (0.5)
Politicians	1.4 (0.4)	1.6 (0.3)	1.2 (0.3)	0.9 (0.3)	1.1 (0.3)	1.2 (0.4)	1.5 (0.4)
Maine (Total N=8,198)							
Local health workers	9.1 (1.8)	9.6 (1.4)	8.7 (1.4)	11.2 (1.7)	14.4 (1.9)	15.5 (2.0)	12.0 (2.0)
Friends and family	9.9 (1.9)	9.3 (1.4)	7.5 (1.3)	9.8 (1.6)	8.8 (1.5)	8.9 (1.6)	9.0 (1.7)
World Health Organization	7.1 (1.6)	5.9 (1.1)	5.0 (1.1)	4.9 (1.2)	2.6 (0.9)	3.9 (1.1)	2.0 (0.8)
Government health officials	3.2 (1.1)	2.3 (0.7)	3.6 (0.9)	2.6 (0.9)	1.5 (0.7)	1.9 (0.7)	2.0 (0.8)
Politicians	0.8 (0.6)	0.3 (0.3)	0.9 (0.5)	1.1 (0.6)	0.9 (0.5)	0.5 (0.4)	0.7 (0.5)
Maryland (Total N=16,220)							
Local health workers	13.0 (1.6)	10.2 (1.1)	9.5 (1.1)	9.4 (1.2)	13.7 (1.4)	19.1 (1.6)	18.3 (1.7)
Friends and family	14.5 (1.6)	15.7 (1.3)	11.7 (1.2)	8.8 (1.2)	12.4 (1.3)	15.6 (1.5)	10.6 (1.4)
World Health Organization	8.9 (1.3)	9.4 (1.1)	7.9 (1.0)	6.8 (1.0)	4.6 (0.9)	7.0 (1.0)	6.9 (1.1)
Government health officials	4.4 (1.0)	6.3 (0.9)	5.3 (0.9)	4.4 (0.9)	2.2 (0.6)	3.7 (0.8)	4.5 (0.9)
Politicians	1.5 (0.6)	2.1 (0.5)	1.5 (0.5)	1.3 (0.5)	1.0 (0.4)	2.5 (0.6)	1.2 (0.5)

Massachusetts (Total N=17,217)							
Local health workers	13.2 (1.6)	12.8 (1.2)	9.9 (1.1)	11.5 (1.3)	14.9 (1.5)	19.3 (1.6)	16.0 (1.7)
Friends and family	13.4 (1.6)	14.9 (1.3)	10.2 (1.1)	9.6 (1.2)	10.5 (1.3)	12.8 (1.4)	8.7 (1.3)
World Health Organization	8.9 (1.3)	9.7 (1.1)	7.2 (0.9)	6.6 (1.0)	7.4 (1.1)	8.4 (1.2)	2.9 (0.8)
Government health officials	4.2 (0.9)	5.4 (0.8)	4.7 (0.8)	3.9 (0.8)	4.5 (0.9)	5.0 (0.9)	3.2 (0.8)
Politicians	2.0 (0.6)	2.1 (0.5)	1.2 (0.4)	1.4 (0.5)	1.7 (0.5)	3.0 (0.7)	1.0 (0.5)
Michigan (Total N=73,333)							
Local health workers	9.5 (0.8)	8.7 (0.6)	7.8 (0.5)	9.6 (0.6)	11.7 (0.7)	15.4 (0.8)	13.9 (0.8)
Friends and family	12.2 (0.8)	11.8 (0.6)	9.9 (0.6)	10.6 (0.7)	9.0 (0.6)	8.9 (0.6)	7.5 (0.6)
World Health Organization	5.6 (0.6)	4.7 (0.4)	4.6 (0.4)	5.5 (0.5)	3.3 (0.4)	3.6 (0.4)	3.3 (0.4)
Government health officials	3.7 (0.5)	2.8 (0.3)	2.4 (0.3)	3.9 (0.4)	1.9 (0.3)	2.1 (0.3)	1.7 (0.3)
Politicians	1.2 (0.3)	1.3 (0.2)	1.1 (0.2)	1.0 (0.2)	0.3 (0.1)	0.7 (0.2)	0.7 (0.2)
Minnesota (Total N=20,353)							
Local health workers	12.4 (1.6)	10.3 (1.1)	11.1 (1.2)	8.8 (1.1)	13.7 (1.3)	19.2 (1.5)	17.9 (1.5)
Friends and family	15.7 (1.7)	13.7 (1.2)	10.5 (1.1)	12.8 (1.3)	8.1 (1.0)	9.4 (1.1)	9.8 (1.1)
World Health Organization	4.5 (1.0)	7.3 (0.9)	5.1 (0.8)	4.8 (0.8)	4.2 (0.8)	5.6 (0.9)	5.3 (0.9)
Government health officials	3.5 (0.9)	3.1 (0.6)	3.8 (0.7)	2.7 (0.6)	2.7 (0.6)	2.1 (0.6)	2.8 (0.6)
Politicians	0.7 (0.4)	0.6 (0.3)	1.6 (0.5)	1.5 (0.5)	0.9 (0.4)	0.6 (0.3)	1.5 (0.5)
Mississippi (Total N=21,637)							
Local health workers	9.7 (1.3)	8.8 (1.0)	9.8 (1.1)	10.1 (1.1)	12.3 (1.3)	14.8 (1.4)	19.8 (1.7)
Friends and family	13.4 (1.4)	11.2 (1.1)	10.6 (1.1)	11.4 (1.2)	10.0 (1.2)	9.7 (1.1)	10.0 (1.2)
World Health Organization	6.6 (1.1)	3.8 (0.7)	5.2 (0.8)	3.5 (0.7)	4.7 (0.8)	3.5 (0.7)	3.7 (0.8)
Government health officials	3.6 (0.8)	3.9 (0.7)	3.6 (0.7)	3.2 (0.7)	2.6 (0.6)	2.1 (0.6)	2.6 (0.7)
Politicians	2.1 (0.6)	1.8 (0.4)	2.2 (0.5)	1.8 (0.5)	1.6 (0.5)	1.1 (0.4)	1.1 (0.4)
Missouri (Total N=38,419)							
Local health workers	8.7 (1.0)	8.3 (0.7)	8.3 (0.8)	7.5 (0.8)	12.0 (1.0)	14.1 (1.0)	14.4 (1.1)
Friends and family	11.3 (1.1)	10.8 (0.8)	13.7 (0.9)	10.6 (0.9)	8.6 (0.8)	8.6 (0.8)	6.5 (0.8)
World Health Organization	3.4 (0.6)	5.5 (0.6)	5.1 (0.6)	3.6 (0.5)	3.4 (0.5)	3.2 (0.5)	2.6 (0.5)
Government health officials	2.1 (0.5)	2.6 (0.4)	2.2 (0.4)	2.7 (0.5)	1.5 (0.4)	1.7 (0.4)	1.2 (0.3)

Politicians	0.7 (0.3)	0.4 (0.2)	0.8 (0.2)	0.7 (0.2)	0.5 (0.2)	0.8 (0.3)	0.4 (0.2)
Montana (Total N=7,138)							
Local health workers	8.5 (2.1)	7.0 (1.4)	7.5 (1.4)	8.8 (1.7)	12.3 (1.9)	17.8 (2.2)	14.6 (2.0)
Friends and family	7.7 (2.0)	11.3 (1.7)	10.6 (1.7)	12.6 (2.0)	8.8 (1.6)	9.9 (1.7)	7.9 (1.5)
World Health Organization	6.1 (1.8)	4.5 (1.1)	2.9 (0.9)	2.5 (0.9)	3.0 (1.0)	2.7 (0.9)	2.9 (1.0)
Government health officials	3.8 (1.4)	2.7 (0.9)	2.7 (0.9)	3.0 (1.0)	2.1 (0.8)	3.2 (1.0)	0.8 (0.5)
Politicians	0.3 (0.4)	0.1 (0.2)	0.7 (0.5)	1.7 (0.8)	1.4 (0.7)	1.0 (0.6)	0.2 (0.2)
Nebraska (Total N=7,954)							
Local health workers	10.8 (2.1)	9.3 (1.5)	12.1 (1.7)	9.8 (1.6)	12.6 (1.8)	17.4 (2.1)	14.1 (1.9)
Friends and family	11.0 (2.1)	10.2 (1.6)	9.7 (1.5)	10.4 (1.7)	7.5 (1.5)	10.0 (1.7)	11.2 (1.7)
World Health Organization	3.4 (1.2)	4.1 (1.0)	5.5 (1.2)	5.5 (1.2)	3.1 (1.0)	5.4 (1.3)	3.1 (0.9)
Government health officials	2.4 (1.0)	4.2 (1.0)	2.4 (0.8)	4.3 (1.1)	1.4 (0.7)	2.8 (0.9)	1.4 (0.6)
Politicians	0.6 (0.5)	1.9 (0.7)	1.3 (0.6)	1.1 (0.6)	0.4 (0.4)	0.8 (0.5)	0.9 (0.5)
Nevada (Total N=11,091)							
Local health workers	9.5 (1.7)	10.5 (1.3)	11.4 (1.4)	10.3 (1.4)	15.0 (1.7)	18.8 (1.9)	14.9 (1.7)
Friends and family	12.9 (1.9)	8.7 (1.2)	11.3 (1.4)	10.8 (1.5)	9.4 (1.4)	7.0 (1.2)	7.9 (1.3)
World Health Organization	6.9 (1.5)	6.3 (1.1)	8.0 (1.2)	5.8 (1.1)	5.8 (1.1)	5.3 (1.1)	4.6 (1.0)
Government health officials	2.9 (1.0)	4.3 (0.9)	3.7 (0.8)	5.4 (1.1)	3.9 (0.9)	3.1 (0.9)	2.2 (0.7)
Politicians	1.6 (0.7)	1.6 (0.6)	0.8 (0.4)	1.6 (0.6)	2.0 (0.7)	1.2 (0.5)	1.1 (0.5)
New Hampshire (Total N=6,019)							
Local health workers	8.6 (2.0)	7.6 (1.4)	11.6 (1.8)	10.4 (1.9)	16.0 (2.2)	21.5 (2.5)	15.4 (2.5)
Friends and family	10.6 (2.1)	11.0 (1.7)	11.8 (1.9)	7.7 (1.7)	14.8 (2.1)	9.2 (1.8)	7.2 (1.8)
World Health Organization	6.7 (1.7)	7.4 (1.4)	6.7 (1.4)	4.5 (1.3)	4.3 (1.2)	3.2 (1.1)	2.1 (1.0)
Government health officials	2.0 (1.0)	3.3 (0.9)	2.4 (0.9)	3.0 (1.1)	2.6 (1.0)	2.5 (1.0)	1.2 (0.8)
Politicians	1.2 (0.7)	1.2 (0.6)	0.8 (0.5)	2.2 (0.9)	1.6 (0.7)	0.5 (0.4)	0.8 (0.6)
New Jersey (Total N=31,285)							
Local health workers	11.6 (1.2)	9.8 (0.9)	9.6 (0.9)	10.1 (1.0)	18.3 (1.3)	22.3 (1.4)	19.5 (1.3)
Friends and family	12.0 (1.3)	11.8 (1.0)	13.3 (1.0)	10.2 (1.0)	9.8 (1.0)	11.6 (1.1)	12.3 (1.1)
World Health Organization	7.7 (1.0)	8.2 (0.8)	7.4 (0.8)	6.4 (0.8)	8.1 (0.9)	5.7 (0.8)	6.7 (0.9)

Government health officials	4.3 (0.8)	4.6 (0.6)	5.3 (0.7)	4.2 (0.7)	4.7 (0.7)	3.1 (0.6)	4.7 (0.7)
Politicians	1.3 (0.4)	1.9 (0.4)	1.9 (0.4)	1.2 (0.4)	2.2 (0.5)	1.5 (0.4)	1.3 (0.4)
New Mexico (Total N=12,294)							
Local health workers	8.2 (1.7)	11.1 (1.7)	10.8 (1.3)	9.1 (1.3)	16.6 (1.7)	15.3 (1.6)	16.4 (1.8)
Friends and family	12.3 (2.1)	13.3 (1.8)	10.6 (1.3)	11.1 (1.4)	11.5 (1.4)	11.7 (1.5)	8.7 (1.3)
World Health Organization	5.2 (1.4)	6.3 (1.3)	5.9 (1.0)	6.0 (1.1)	8.5 (1.3)	3.8 (0.9)	4.9 (1.0)
Government health officials	3.0 (1.1)	5.8 (1.3)	3.5 (0.8)	4.3 (0.9)	5.3 (1.0)	1.7 (0.6)	3.0 (0.8)
Politicians	1.3 (0.7)	2.5 (0.8)	1.7 (0.6)	1.5 (0.6)	1.8 (0.6)	0.5 (0.3)	0.4 (0.3)
New York (Total N=71,826)							
Local health workers	11.4 (0.8)	10.2 (0.6)	10.6 (0.6)	9.2 (0.6)	14.4 (0.7)	18.0 (0.8)	17.4 (0.8)
Friends and family	12.6 (0.8)	11.7 (0.6)	11.9 (0.6)	13.4 (0.7)	11.7 (0.7)	11.7 (0.7)	11.0 (0.7)
World Health Organization	6.9 (0.6)	7.4 (0.5)	8.4 (0.5)	8.0 (0.6)	6.1 (0.5)	6.6 (0.5)	5.6 (0.5)
Government health officials	5.5 (0.5)	4.6 (0.4)	4.8 (0.4)	4.7 (0.4)	3.7 (0.4)	3.2 (0.4)	3.3 (0.4)
Politicians	1.6 (0.3)	1.5 (0.2)	1.4 (0.2)	1.0 (0.2)	1.4 (0.2)	1.9 (0.3)	1.5 (0.3)
North Carolina (Total N=65,223)							
Local health workers	9.5 (0.8)	8.1 (0.6)	8.5 (0.6)	8.1 (0.6)	15.2 (0.8)	14.9 (0.8)	15.9 (0.9)
Friends and family	13.7 (0.9)	10.5 (0.6)	11.7 (0.7)	11.8 (0.8)	10.8 (0.7)	10.6 (0.7)	9.2 (0.7)
World Health Organization	6.0 (0.6)	5.8 (0.5)	6.1 (0.5)	6.1 (0.6)	5.5 (0.5)	3.1 (0.4)	5.3 (0.5)
Government health officials	3.4 (0.5)	3.0 (0.3)	3.8 (0.4)	3.5 (0.4)	3.0 (0.4)	1.4 (0.3)	3.2 (0.4)
Politicians	1.3 (0.3)	0.8 (0.2)	1.5 (0.3)	1.0 (0.2)	1.4 (0.3)	0.6 (0.2)	1.9 (0.3)
North Dakota (Total N=2,223)							
Local health workers	6.6 (2.2)	10.7 (2.2)	8.6 (2.1)	13.6 (2.8)	16.5 (2.9)	14.1 (2.5)	14.8 (2.6)
Friends and family	8.1 (2.5)	10.4 (2.2)	12.1 (2.4)	7.8 (2.2)	7.1 (2.0)	10.7 (2.2)	6.7 (1.9)
World Health Organization	5.8 (2.1)	4.1 (1.4)	3.0 (1.3)	3.6 (1.5)	5.8 (1.9)	4.0 (1.4)	3.0 (1.3)
Government health officials	1.2 (1.0)	3.7 (1.4)	2.5 (1.2)	1.0 (0.8)	4.1 (1.6)	1.0 (0.7)	3.0 (1.3)
Politicians	1.2 (1.0)	1.3 (0.8)	1.5 (0.9)	1.0 (0.8)	1.0 (0.8)	0.2 (0.4)	0.3 (0.4)
Ohio (Total N=82,021)							
Local health workers	9.5 (0.7)	9.1 (0.5)	9.4 (0.6)	7.2 (0.5)	13.7 (0.7)	14.5 (0.7)	14.9 (0.8)
Friends and family	10.7 (0.7)	10.2 (0.6)	9.2 (0.6)	11.0 (0.6)	8.7 (0.6)	8.1 (0.6)	8.2 (0.6)

World Health Organization	5.7 (0.6)	4.3 (0.4)	4.5 (0.4)	3.8 (0.4)	4.2 (0.4)	3.6 (0.4)	3.4 (0.4)
Government health officials	3.5 (0.4)	2.6 (0.3)	3.2 (0.3)	2.1 (0.3)	2.0 (0.3)	1.5 (0.2)	1.7 (0.3)
Politicians	1.1 (0.3)	1.0 (0.2)	0.6 (0.1)	0.6 (0.2)	0.8 (0.2)	0.6 (0.2)	0.5 (0.2)
Oklahoma (Total N=28,155)							
Local health workers	10.6 (1.2)	10.4 (0.9)	7.2 (0.8)	8.8 (0.9)	14.0 (1.1)	18.7 (1.3)	18.9 (1.4)
Friends and family	12.3 (1.3)	10.0 (0.9)	11.6 (1.0)	13.1 (1.1)	8.9 (0.9)	10.1 (1.0)	7.5 (0.9)
World Health Organization	4.8 (0.8)	6.7 (0.7)	5.4 (0.7)	5.8 (0.8)	4.9 (0.7)	4.8 (0.7)	3.2 (0.6)
Government health officials	3.4 (0.7)	3.9 (0.6)	2.1 (0.4)	3.2 (0.6)	2.4 (0.5)	3.2 (0.6)	2.8 (0.6)
Politicians	1.3 (0.4)	0.6 (0.2)	0.9 (0.3)	1.2 (0.4)	1.3 (0.4)	1.2 (0.4)	0.6 (0.3)
Oregon (Total N=20,354)							
Local health workers	13.4 (1.6)	9.8 (1.0)	9.8 (1.1)	10.0 (1.1)	11.7 (1.3)	15.9 (1.4)	15.3 (1.4)
Friends and family	12.5 (1.5)	13.7 (1.2)	11.3 (1.1)	12.3 (1.2)	10.5 (1.2)	9.9 (1.1)	10.0 (1.1)
World Health Organization	8.2 (1.3)	5.7 (0.8)	5.1 (0.8)	5.0 (0.8)	5.1 (0.9)	3.9 (0.7)	3.9 (0.7)
Government health officials	3.1 (0.8)	2.4 (0.5)	3.4 (0.7)	4.6 (0.8)	2.3 (0.6)	1.5 (0.5)	1.6 (0.5)
Politicians	0.3 (0.2)	0.8 (0.3)	0.8 (0.3)	0.6 (0.3)	1.0 (0.4)	1.1 (0.4)	1.3 (0.4)
Pennsylvania (Total N=74,222)							
Local health workers	9.9 (0.8)	9.9 (0.6)	9.2 (0.6)	8.0 (0.6)	11.1 (0.7)	15.4 (0.8)	16.0 (0.8)
Friends and family	11.2 (0.8)	12.4 (0.6)	11.3 (0.6)	10.3 (0.6)	10.4 (0.7)	10.2 (0.6)	8.9 (0.6)
World Health Organization	6.0 (0.6)	5.6 (0.5)	4.4 (0.4)	3.9 (0.4)	3.5 (0.4)	4.1 (0.4)	3.8 (0.4)
Government health officials	2.9 (0.4)	3.1 (0.3)	2.7 (0.3)	2.4 (0.3)	1.8 (0.3)	2.4 (0.3)	2.1 (0.3)
Politicians	1.1 (0.3)	1.0 (0.2)	0.6 (0.2)	0.8 (0.2)	0.7 (0.2)	0.8 (0.2)	0.9 (0.2)
Rhode Island (Total N=3,504)							
Local health workers	NR**	13.2 (2.5)	12.9 (2.7)	13.4 (2.9)	9.8 (2.5)	21.5 (3.7)	14.8 (3.0)
Friends and family	NR**	16.6 (2.8)	17.7 (3.1)	10.7 (2.6)	8.2 (2.3)	10.2 (2.7)	8.4 (2.4)
World Health Organization	NR**	11.7 (2.4)	10.7 (2.5)	9.1 (2.4)	6.6 (2.1)	6.2 (2.2)	1.8 (1.1)
Government health officials	NR**	6.7 (1.9)	3.7 (1.5)	7.6 (2.3)	1.8 (1.1)	2.1 (1.3)	0.4 (0.5)
Politicians	NR**	2.2 (1.1)	2.9 (1.4)	3.2 (1.5)	1.8 (1.2)	1.2 (1.0)	0.4 (0.5)
South Carolina (Total N=43,754)							
Local health workers	9.3 (0.9)	8.8 (0.7)	10.0 (0.8)	7.9 (0.7)	12.8 (1.0)	16.6 (1.0)	18.0 (1.1)

Friends and family	11.7 (1.0)	10.0(0.7)	10.7 (0.8)	9.6 (0.8)	10.0 (0.9)	9.4 (0.8)	10.3 (0.9)
World Health Organization	5.4 (0.7)	5.8 (0.6)	5.9 (0.6)	4.4 (0.6)	5.4 (0.7)	4.5 (0.6)	4.6 (0.6)
Government health officials	3.2 (0.5)	4.1 (0.5)	4.1 (0.5)	2.2 (0.4)	2.1 (0.4)	2.6 (0.4)	2.8 (0.5)
Politicians	1.0 (0.3)	1.0 (0.2)	1.7 (0.3)	0.8 (0.2)	1.3 (0.3)	0.8 (0.2)	1.2 (0.3)
South Dakota (Total N=4,203)							
Local health workers	11.2 (2.9)	11.4 (2.2)	12.6 (2.3)	8.1 (1.9)	14.5 (2.4)	13.9 (2.5)	11.5 (2.3)
Friends and family	8.2 (2.5)	16.4 (2.5)	13.7 (2.4)	9.9 (2.1)	8.8 (2.0)	11.6 (2.3)	8.6 (2.0)
World Health Organization	11.1 (2.8)	4.9 (1.5)	6.8 (1.8)	5.2 (1.6)	3.4 (1.3)	4.2 (1.5)	4.0 (1.4)
Government health officials	6.5 (2.2)	2.8 (1.1)	3.6 (1.3)	3.0 (1.2)	1.7 (0.9)	1.8 (1.0)	2.7 (1.2)
Politicians	1.2 (1.0)	1.0 (0.7)	2.6 (1.1)	0.7 (0.6)	0.2 (0.3)	1.4 (0.9)	2.2 (1.0)
Tennessee (Total N=45,290)							
Local health workers	10.6 (1.0)	9.4 (0.7)	10.1 (0.7)	8.8 (0.7)	13.6 (0.9)	14.8 (0.9)	16.1 (1.0)
Friends and family	11.9 (1.0)	10.9 (0.7)	12.1 (0.8)	11.5 (0.8)	10.2 (0.8)	9.9 (0.8)	9.5 (0.8)
World Health Organization	4.5 (0.7)	5.1 (0.5)	6.0 (0.6)	4.2 (0.5)	3.7 (0.5)	2.6 (0.4)	3.7 (0.5)
Government health officials	3.1 (0.5)	3.6 (0.4)	2.9 (0.4)	3.0 (0.4)	3.2 (0.5)	1.7 (0.3)	1.9 (0.4)
Politicians	1.9 (0.4)	1.0 (0.2)	0.6 (0.2)	1.0 (0.3)	1.1 (0.3)	1.1 (0.3)	0.9 (0.3)
Texas (Total N=135,136)							
Local health workers	11.7 (0.6)	9.8 (0.4)	10.3 (0.5)	9.0 (0.5)	15.5 (0.6)	17.1 (0.6)	18.2 (0.7)
Friends and family	14.5 (0.7)	12.3 (0.5)	11.5 (0.5)	11.4 (0.5)	12.0 (0.5)	9.4 (0.5)	10.0 (0.5)
World Health Organization	7.4 (0.5)	7.9 (0.4)	7.1 (0.4)	6.7 (0.4)	5.6 (0.4)	5.9 (0.4)	5.2 (0.4)
Government health officials	4.2 (0.4)	4.9 (0.3)	4.9 (0.3)	4.4 (0.3)	3.5 (0.3)	2.9 (0.3)	2.9 (0.3)
Politicians	1.6 (0.2)	1.6 (0.2)	1.3 (0.2)	1.4 (0.2)	0.9 (0.1)	1.4 (0.2)	1.0 (0.2)
Utah (Total N=12,705)							
Local health workers	10.5 (1.8)	14.0 (1.4)	10.8 (1.4)	12.7 (1.5)	13.8 (1.6)	21.7 (1.9)	13.7 (1.7)
Friends and family	14.8 (2.0)	15.9 (1.5)	11.9 (1.4)	15.2 (1.6)	9.7 (1.4)	12.6 (1.5)	9.6 (1.4)
World Health Organization	6.8 (1.4)	6.3 (1.0)	5.0 (1.0)	8.0 (1.2)	4.5 (1.0)	3.5 (0.8)	4.9 (1.0)
Government health officials	4.0 (1.1)	4.1 (0.8)	3.1 (0.8)	4.2 (0.9)	2.3 (0.7)	2.7 (0.7)	2.4 (0.8)
Politicians	0.9 (0.5)	0.6 (0.3)	1.7 (0.6)	1.8 (0.6)	0.5 (0.3)	0.6 (0.3)	2.0 (0.7)
Vermont (Total N=1,829)							

Local health workers	7.9 (2.6)	9.9 (2.8)	11.6 (2.9)	9.9 (2.9)	12.0 (2.9)	15.2 (3.4)	NR**
Friends and family	7.0 (2.5)	9.1 (2.7)	13.4 (3.1)	10.8 (3.0)	12.2 (2.9)	9.2 (2.7)	NR**
World Health Organization	2.4 (1.5)	4.8 (2.0)	5.3 (2.0)	7.9 (2.6)	6.6 (2.2)	5.0 (2.1)	NR**
Government health officials	2.3 (1.5)	3.0 (1.6)	3.6 (1.7)	3.3 (1.7)	4.2 (1.8)	2.2 (1.4)	NR**
Politicians	0.5 (0.7)	1.3 (1.0)	2.8 (1.5)	0.5 (0.7)	1.9 (1.2)	0.4 (0.6)	NR**
Virginia (Total N=47,966)							
Local health workers	9.7 (0.9)	10.0 (0.7)	10.1 (0.8)	9.9 (0.8)	14.8 (0.9)	17.1 (1.0)	17.0 (1.1)
Friends and family	12.1 (1.0)	12.8 (0.8)	12.7 (0.8)	11.0 (0.8)	10.1 (0.8)	11.9 (0.9)	10.7 (0.9)
World Health Organization	7.8 (0.8)	6.4 (0.6)	7.2 (0.7)	8.0 (0.7)	5.7 (0.6)	4.9 (0.6)	5.6 (0.6)
Government health officials	3.9 (0.6)	4.3 (0.5)	5.0 (0.5)	4.6 (0.5)	3.8 (0.5)	2.7 (0.4)	2.9 (0.5)
Politicians	0.9 (0.3)	1.6 (0.3)	1.5 (0.3)	1.7 (0.3)	1.5 (0.3)	0.8 (0.2)	0.3 (0.2)
Washington (Total N=30,329)							
Local health workers	14.7 (1.3)	12.9 (1.0)	9.3 (0.9)	8.7 (0.9)	16.4 (1.2)	14.9 (1.1)	16.1 (1.2)
Friends and family	11.6 (1.2)	13.9 (1.0)	9.9 (0.9)	11.5 (1.0)	11.8 (1.0)	9.6 (0.9)	9.6 (1.0)
World Health Organization	7.1 (1.0)	8.8 (0.8)	6.1 (0.7)	5.8 (0.7)	6.2 (0.8)	4.9 (0.7)	5.4 (0.7)
Government health officials	5.7 (0.9)	4.7 (0.6)	4.0 (0.6)	3.2 (0.6)	3.4 (0.6)	2.0 (0.4)	2.3 (0.5)
Politicians	1.3 (0.4)	0.7 (0.2)	1.1 (0.3)	0.5 (0.2)	0.9 (0.3)	0.8 (0.3)	0.3 (0.2)
West Virginia (Total N=15,529)							
Local health workers	7.2 (1.3)	6.2 (0.9)	8.2 (1.1)	9.2 (1.2)	11.4 (1.4)	11.7 (1.5)	11.2 (1.5)
Friends and family	9.4 (1.5)	11.3 (1.2)	10.0(1.2)	10.4 (1.3)	9.6 (1.3)	8.1 (1.2)	8.1 (1.3)
World Health Organization	3.7 (1.0)	4.9 (0.8)	4.3 (0.8)	5.1 (1.0)	4.2 (0.9)	4.9 (1.0)	1.9 (0.6)
Government health officials	2.1 (0.7)	1.8 (0.5)	2.5 (0.6)	3.3 (0.8)	2.1 (0.6)	1.3 (0.5)	2.2 (0.7)
Politicians	1.1 (0.5)	0.8 (0.3)	0.7 (0.3)	0.8 (0.4)	0.4 (0.3)	0.6 (0.3)	2.3 (0.7)
Wisconsin (Total N=25,854)							
Local health workers	9.7 (1.1)	8.9 (0.8)	9.9 (0.9)	8.4 (0.9)	13.9 (1.1)	13.6 (1.1)	12.1 (1.0)
Friends and family	11.2 (1.2)	11.7 (0.9)	10.4 (0.9)	11.0 (1.0)	8.3 (0.9)	6.8 (0.8)	6.2 (0.8)
World Health Organization	5.5 (0.9)	6.6 (0.7)	5.6 (0.7)	5.3 (0.7)	3.6 (0.6)	3.0 (0.6)	3.3 (0.6)
Government health officials	3.7 (0.7)	2.9 (0.5)	3.0 (0.5)	3.0 (0.5)	2.3 (0.5)	1.8 (0.4)	1.5 (0.4)
Politicians	0.8 (0.3)	0.6 (0.2)	1.6 (0.4)	0.9 (0.3)	0.6 (0.2)	0.5 (0.2)	0.6 (0.3)

Wyoming (Total N=3,346)							
Local health workers	9.0 (2.8)	7.5 (1.8)	7.1 (1.9)	7.8 (1.9)	12.0 (2.4)	11.3 (2.4)	11.4 (2.4)
Friends and family	10.0 (3.0)	9.8 (2.1)	8.7 (2.1)	9.7 (2.1)	8.2 (2.0)	4.9 (1.6)	7.2 (1.9)
World Health Organization	6.3 (2.4)	2.1 (1.0)	3.5 (1.3)	2.7 (1.2)	2.7 (1.2)	1.4 (0.9)	1.7 (1.0)
Government health officials	2.4 (1.5)	1.2 (0.8)	1.2 (0.8)	2.6 (1.1)	0.3 (0.4)	0.3 (0.4)	1.1 (0.8)
Politicians	1.4 (1.2)	1.2 (0.8)	0.3 (0.4)	0.7 (0.6)	0.9 (0.7)	0.3 (0.4)	0.3 (0.4)

* Non-Hispanic race/ethnicity groups.

** Not reported because not enough data were collected for aggregate reporting.

FACEBOOK

Payton Iheme and Genelle Adrien
U.S. Public Policy
Facebook

From:	Payton Iheme
To:	Katherine Morris; Crawford, Carol Y. (CDC/OD/OADC)
Cc:	Genelle Adrien; Kate Thornton; Julia Eisman
Subject:	Re: CMU/Facebook Survey Findings: Jan 10 - Feb 27
Date:	Tuesday, March 16, 2021 2:17:13 PM

Thank you. You will all have seen that I extended the time on Thursday to allow for the discussion on the CMU survey.

Best,

Payton

From: Katherine Morris <katherinemorris@fb.com>
Date: Tuesday, March 16, 2021 at 10:43 AM
To: Payton Iheme <payton@fb.com>, Carol Crawford <cjy1@cdc.gov>
Cc: Genelle Adrien <genelleadrien@fb.com>, Kate Thornton <kthornton@fb.com>, Julia Eisman <juliaeisman@fb.com>
Subject: Re: CMU/Facebook Survey Findings: Jan 10 - Feb 27

Hi Payton and Carol,

Yes, that would work for us. Thank you! We are looking forward to the discussion.

All best,

Katherine

--

Katherine Ann Morris, PhD
Research Scientist | Demography and Survey Science
770 Broadway, New York, NY 10003
Facebook | Mobile (b)(6)

From: Payton Iheme <payton@fb.com>
Date: Tuesday, March 16, 2021 at 9:23 AM
To: "Crawford, Carol Y. (CDC/OD/OADC)" <cjy1@cdc.gov>
Cc: Katherine Morris <katherinemorris@fb.com>, Genelle Adrien <genelleadrien@fb.com>, Kate Thornton <kthornton@fb.com>, Julia Eisman <juliaeisman@fb.com>
Subject: Re: CMU/Facebook Survey Findings: Jan 10 - Feb 27

Thanks Carol.

Katherine,

Does that work for the research team as well?
Best,

Payton

Get Outlook for iOS

From: Crawford, Carol Y. (CDC/OD/OADC) <cjy1@cdc.gov>
Sent: Tuesday, March 16, 2021 9:21:20 AM
To: Payton Iheme <payton@fb.com>
Cc: Katherine Morris <katherinemorris@fb.com>; Genelle Adrien <genelleadrien@fb.com>; Kate Thornton <kthornton@fb.com>; Julia Eisman <juliaeisman@fb.com>
Subject: RE: CMU/Facebook Survey Findings: Jan 10 - Feb 27

I'm checking dates/times here but is it an option to add on to our 3pm on Thursday meeting and extend the time a bit? (I believe that might work for our Vaccine with Confidence team as they were attending the 3pm).

From: Payton Iheme <payton@fb.com>
Sent: Monday, March 15, 2021 1:25 PM
To: Crawford, Carol Y. (CDC/OD/OADC) <cjy1@cdc.gov>; Jorgensen, Cynthia (CDC/DDID/NCIRD/OD) <cxj4@cdc.gov>; Singleton, James (CDC/DDID/NCIRD/ISD) <xzs8@cdc.gov>
Cc: Katherine Morris <katherinemorris@fb.com>; Genelle Adrien <genelleadrien@fb.com>; Kate Thornton <kthornton@fb.com>; Julia Eisman <juliaeisman@fb.com>
Subject: Re: CMU/Facebook Survey Findings: Jan 10 - Feb 27

Also, Katherine M./team and our regular team would like to set up a meeting to discuss the findings and receive your feedback. Would you let us know a few day/times this would work for you this week?

Best,

Payton

From: Payton Iheme <payton@fb.com>
Date: Monday, March 15, 2021 at 1:16 PM
To: Carol Crawford <cjy1@cdc.gov>, "Jorgensen, Cynthia (CDC/DDID/NCIRD/OD)" <cxj4@cdc.gov>, "Singleton, James (CDC/DDID/NCIRD/ISD)" <xzs8@cdc.gov>
Cc: Katherine Morris <katherinemorris@fb.com>, Genelle Adrien <genelleadrien@fb.com>, Kate Thornton <kthornton@fb.com>, Julia Eisman <juliaeisman@fb.com>
Subject: CMU/Facebook Survey Findings: Jan 10 - Feb 27

Hello CDC team,

As we discussed, following up on our commitment to share our survey data on vaccine uptake. We are sharing these findings regularly moving forward to help inform your teams and strategies. Attached are our findings from January 10 -- February 27, 2021. Today, the report will be available online.

Note that highlights of the findings are up top, a robust executive summary follows, and then a deep dive into the methodology, greater detail on state trends, occupations, barriers to acceptance. etc. Hopefully, this format works for the various teams and audiences within CDC that may find this data valuable. We're also open to feedback on the formatting.

Please let us know if you have specific questions about the findings or the survey itself, we're happy to track down answers or book time.

Best,

FACEBOOK

Payton Iheme and Genelle Adrien
U.S. Public Policy
Facebook

From:	Payton Iheme
To:	Dempsey, Jay H. (CDC/OD/OADC); Crawford, Carol Y. (CDC/OD/OADC); Layton, Kathleen (CDC/OD/OADC)
Cc:	Julia Eisman; Genelle Adrien; Chelsey LePage; Airton Tatoug Kamdem
Subject:	Re: COVID-19 Outreach to communities worldwide
Date:	Monday, February 8, 2021 5:44:24 PM

You bet.

Best,

Payton

From: "Dempsey, Jay H. (CDC/OD/OADC)" <ifb5@cdc.gov>
Date: Monday, February 8, 2021 at 5:28 PM
To: Payton Iheme <payton@fb.com>, Carol Crawford <cjy1@cdc.gov>, "Layton, Kathleen (CDC/OD/OADC)" <KYU6@cdc.gov>
Cc: Julia Eisman <juliaeisman@fb.com>, Genelle Adrien <genelleadrien@fb.com>, Chelsey LePage <chelseylepage@fb.com>, Airton Tatoug Kamdem <airtonkamdem@fb.com>
Subject: RE: COVID-19 Outreach to communities worldwide

Great – Thanks for the update Payton!

Jay H. Dempsey, M.Ed.
Social Media Team Lead, U.S. Centers for Disease Control and Prevention
My mobile no. has changed: (b)(6)
Follow us on Twitter
Join us on Facebook

From: Payton Iheme <payton@fb.com>
Sent: Monday, February 8, 2021 1:24 PM
To: Crawford, Carol Y. (CDC/OD/OADC) <cjy1@cdc.gov>; Dempsey, Jay H. (CDC/OD/OADC) <ifb5@cdc.gov>; Layton, Kathleen (CDC/OD/OADC) <KYU6@cdc.gov>
Cc: Julia Eisman <juliaeisman@fb.com>; Genelle Adrien <genelleadrien@fb.com>; Chelsey LePage <chelseylepage@fb.com>; Airton Tatoug Kamdem <airtonkamdem@fb.com>
Subject: COVID-19 Outreach to communities worldwide

Good afternoon Carol, Jay, and Kathleen,

We wanted to make sure you saw our announcements today about running the largest worldwide campaign to promote authoritative COVID-19 vaccine information and expanding our efforts to remove false claims on Facebook and Instagram about COVID-19, COVID-19 vaccines and vaccines in

general during the pandemic. More details are in our Newsroom: authoritative COVID-19 vaccine information and COVID-19 and vaccine misinformation.

Helping People Find Where and When They Can Get Vaccinated

- Starting this week, we'll feature links in the COVID-19 Information Center to local ministry of health websites to help people understand whether they're eligible to get vaccinated and how to do so.
- And in the coming weeks, as more information becomes available, we'll continue to improve this feature, making it easier for people to see where and when they can get vaccinated in just a few taps.

Sharing Credible Information About COVID-19 Vaccines

- We're working with health organizations and community leaders to run campaigns on our platform promoting accurate information about COVID-19 vaccines and encouraging people to get vaccinated.
- We're giving over $120 million in ad credits to help health ministries, NGOs and UN agencies reach billions of people around the world with COVID-19 vaccine and preventive health information.
- In the US, we're partnering with the Johns Hopkins Bloomberg School of Public Health to reach Native American communities, Black communities and Latinx communities, among others, with science and evidence-based content that addresses the questions and concerns these communities have.
- We're also working with AARP to reach Americans over 50 with educational content about COVID-19 vaccines, including Spanish-language content designed to reach Latinx and Hispanic communities.

Combating Vaccine Misinformation

- We are expanding our efforts to remove false claims on Facebook and Instagram about COVID-19, COVID-19 vaccines and vaccines in general during the pandemic. Since December, we've removed false claims about COVID-19 vaccines that have been debunked by public health experts.
- Today, following consultations with leading health organizations, including the World Health Organization (WHO), we are expanding the list of false claims we will remove to include additional debunked claims about the coronavirus and vaccines. We already prohibit these claims in ads.
- Groups, Pages and accounts on Facebook and Instagram that repeatedly share these debunked claims may be removed altogether. We are also requiring some admins for groups with admins or members who have violated our COVID-19 policies to temporarily approve all posts within their group.
- When people search for vaccine or COVID-19 related content on Facebook, we promote relevant, authoritative results and provide third-party resources to connect people to expert information about vaccines. On Instagram, in addition to surfacing authoritative results in

Search, in the coming weeks we're making it harder to find accounts in search that discourage people from getting vaccinated.

- As we noted last month in response to guidance from the Oversight Board, we are committed to providing more transparency around these policies. You can read the detailed updates in Facebook's Community Standards and in our Help Center.

Providing Data to Inform Effective Vaccine Delivery

- Last year, we began collaborating with Carnegie Mellon University Delphi Research Group and the University of Maryland on COVID-19 surveys about symptoms people are experiencing, mask wearing behaviors and access to care. With over 50 million responses to date, the survey program is one of the largest ever conducted and has helped health researchers better monitor and forecast the spread of COVID-19.
- To help guide the effective delivery of COVID-19 vaccines, the survey data will provide a better understanding of trends in vaccine intent across sociodemographics, race, geography and more. The scale of the survey will also allow for faster updates on changes in trends, such as whether vaccine intent is going up or down in California in a given week and better insights on how vaccine intent varies at a local level. We'll share these new insights including vaccine attitudes at a county level in the US as well as globally.

These new policies and programs will help us continue to take aggressive action against misinformation about COVID-19 and vaccines and help people find where and when they can get vaccinated. You can read more about how we're supporting COVID-19 relief efforts and keeping people informed at our COVID-19 action page.

-On Behalf of the Facebook team

FACEBOOK

Payton Iheme
U.S. Public Policy
Facebook

From: Payton Iheme
To: Crawford, Carol Y. (CDC/OD/OADC); Carrie Adams
Cc: Genelle Adrien
Subject: Re: CV19 misinfo reporting channel
Date: Monday, May 10, 2021 3:28:54 PM

Hi Carol,

Genelle just went on (b)(6) We are very excited for her and (b)(6)
As such, we didn't want you to be a surprised that Carrie will pick up on the threads where Genelle was leading starting today.

That will include this one with scheduling training for the government case work project.

Best,

Payton

From: Carol Crawford <cjy1@cdc.gov>
Date: Monday, May 10, 2021 at 12:25 PM
To: Genelle Adrien <genelleadrien@fb.com>
Cc: Payton Iheme <payton@fb.com>, Carrie Adams <carrieadams@fb.com>
Subject: RE: CV19 misinfo reporting channel

I'm so sorry – I'm out all day May 17 for a (b)(6) can we pick another one? My fault!

From: Genelle Adrien <genelleadrien@fb.com>
Sent: Friday, May 7, 2021 11:27 AM
To: Crawford, Carol Y. (CDC/OD/OADC) <cjy1@cdc.gov>
Cc: Payton Iheme <payton@fb.com>; Carrie Adams <carrieadams@fb.com>
Subject: Re: CV19 misinfo reporting channel

Hi Carol – Following up from our meeting yesterday. It looks like Monday, May 17th at 12:00pm will work for onboarding meeting. The overlaps with your standing Census meeting you mentioned. We will plan to invite the email addresses below (those being onboarded).

Please let me know if any flags on your end.

Best,
Genelle

FACEBOOK
Genelle Quarles Adrien
Politics & Government Outreach
e: genelleadrien@fb.com | w: facebook.com/gpa

From: Crawford, Carol Y. (CDC/OD/OADC) <cjy1@cdc.gov>
Date: Tuesday, April 27, 2021 at 11:21 AM
To: Genelle Adrien <genelleadrien@fb.com>
Cc: Payton Iheme <payton@fb.com>, Carrie Adams <carrieadams@fb.com>
Subject: RE: CV19 misinfo reporting channel

Ugh, so sorry I missed this. It looks correct but I think so might have access already, but not sure.

From: Genelle Adrien <genelleadrien@fb.com>
Sent: Tuesday, April 27, 2021 11:05 AM
To: Crawford, Carol Y. (CDC/OD/OADC) <cjy1@cdc.gov>
Cc: Payton Iheme <payton@fb.com>; Carrie Adams <carrieadams@fb.com>
Subject: Re: CV19 misinfo reporting channel

Hi Carol – Hope the week is off to a good start. I wanted to bump this and see if you had any edits/additions to the onboarding list below.

Let us know if you have any questions.

Best,
Genelle

From: Genelle Adrien <genelleadrien@fb.com>
Date: Tuesday, April 13, 2021 at 3:50 PM
To: Crawford, Carol Y. (CDC/OD/OADC) <cjy1@cdc.gov>
Cc: Payton Iheme <payton@fb.com>, Chelsey Lepage <chelseylepage@fb.com>
Subject: CV19 misinfo reporting channel

Hi Carol – Hope the week is off to a good start. We're working to get our COVID-19 misinfo channel up for CDC and Census colleagues. Could you kindly confirm if the below emails are correct for onboarding to the reporting channel and if there are others you'd like to include?

Please let me know if you have any questions.

Thank you!
Genelle

- nve8@cdc.gov
- (b)(6)

FACEBOOK
Genelle Quarles Adrien
Politics & Government Outreach
e: genelleadrien@fb.com | w: facebook.com/gpa

Attaching the latest CrowdTangle content insights report for the period of February 24-March 10 (attached). Here's the quick summary:

(b)(4)

This week, we also are including a one-off content insights report we did looking at Spanish-language content relevant to the US, which we thought might be interesting for you (as always, please do not share externally).

Let us know if you have any questions or particular keywords/topics you'd like us to explore for the next report.

Thanks,
Kelly

From: Kelly Perron <kperron@fb.com>
Date: Monday, March 1, 2021 at 6:03 PM
To: "Crawford, Carol Y. (CDC/OD/OADC)" <cjy1@cdc.gov>
Cc: Lauren Balog Wright <lbw@fb.com>, Payton Iheme <payton@fb.com>, Chelsey Lepage <chelseylepage@fb.com>
Subject: Re: Crowd Tangle COVID-19 reports

And adding in Chelsey, apologies!

From: Kelly Perron <kperron@fb.com>
Date: Monday, March 1, 2021 at 5:47 PM

From:	Stanley Onyimba
To:	Mullins, Scott R. (CDC/OD/OADC) (CTR)
Cc:	Hadar Shkolnik; Yael Grossman Levy; Jan Antonaros; McDaniel, Rebecca (CDC/OD/OADC); Smith, Fred (CDC/OD/OADC); Crawford, Carol Y. (CDC/OD/OADC)
Subject:	Re: Google Knowledgebase Update
Date:	Tuesday, May 4, 2021 3:04:59 PM

Thanks, Scott! We'll make the changes in the next update cycle.

On Tue, May 4, 2021, 12:00 PM Mullins, Scott R. (CDC/OD/OADC) (CTR) <svm8@cdc.gov> wrote:

> Hi Stanley,
>
> We updated the markup for the Treatments Tab to reflect the change below. It is now live on https://www.cdc.gov/coronavirus/2019-nCoV/index.html .
>
> Thanks,
>
> Scott
>
> ---
>
> **From:** McDaniel, Rebecca (CDC/OD/OADC) <ldy8@cdc.gov>
> **Sent:** Monday, May 3, 2021 1:33 PM
> **To:** Mullins, Scott R. (CDC/OD/OADC) (CTR) <svm8@cdc.gov>
> **Subject:** RE: Google Knowledgebase Update
>
> Hey Scott,
>
> My mistake – can you please add the highlighted content back in to the Treatments Tab at the bottom?
>
> **Treatment Tab (under Medical treatments)**
>
> Treatments used for COVID-19 should be prescribed by your healthcare provider. People have been seriously harmed and even died after taking products not approved for COVID-19, even products approved or prescribed for other uses. Your healthcare provider will decide on what approach to take for your treatment.
>
> Your healthcare provider also may recommend the following to relieve symptoms and support your body's natural defenses.

- Taking medications, like acetaminophen or ibuprofen, to reduce fever.
- Drinking water or receiving intravenous fluids to stay hydrated.
- Getting plenty of rest to help the body fight the virus.

If someone is showing emergency warning signs, get medical care immediately. Emergency warning signs include:

- Trouble breathing
- Persistent pain or pressure in the chest
- New confusion
- Inability to wake or stay awake
- Bluish lips or face

Becky McDaniel

Cell: (b)(6)

From: Mullins, Scott R. (CDC/OD/OADC) (CTR) <svm8@cdc.gov>
Sent: Monday, April 26, 2021 3:33 PM
To: Stanley Onyimba <sonyimba@google.com>; Hadar Shkolnik <hadarth@google.com>; Yael Grossman Levy <yaelgro@google.com>; Jan Antonaros <jantonaros@google.com>
Cc: Crawford, Carol Y. (CDC/OD/OADC) <cjy1@cdc.gov>; Smith, Fred (CDC/OD/OADC) <evp9@cdc.gov>; McDaniel, Rebecca (CDC/OD/OADC) <ldy8@cdc.gov>
Subject: RE: Google Knowledgebase Update

Hi Stanley,

Were there any problems with these changes? We haven't seen any feedback or seen these updates reflected in the Knowledgebase.

If there were problems let me know and I'll work to address them.

Thanks,

Scott

From: Mullins, Scott R. (CDC/OD/OADC) (CTR)
Sent: Tuesday, April 13, 2021 3:01 PM
To: Stanley Onyimba <sonyimba@google.com>; Hadar Shkolnik <hadarth@google.com>; Yael Grossman Levy <yaelgro@google.com>; Jan Antonaros <jantonaros@google.com>
Cc: Crawford, Carol Y. (CDC/OD/OADC) <cjy1@cdc.gov>; Smith, Fred (CDC/OD/OADC) <evp9@cdc.gov>; McDaniel, Rebecca (CDC/OD/OADC) <ldy8@cdc.gov>
Subject: RE: Google Knowledgebase Update

Hi Stanley and company,

We have made the following edits to the JSON+LD markup for the knowledgebase.

Prevention Tab

To help prevent the spread of COVID-19:

- Wear a mask to protect yourself and others and stop the spread of COVID-19.
- Stay at least 6 feet (about 2 arm lengths) from others who don't live with you.
- Avoid crowds and poorly ventilated spaces. The more people you are in contact with, the more likely you are to be exposed to COVID-19.
- Get a COVID-19 vaccine when it's available to you.
- Clean your hands often, either with soap and water for 20 seconds or a hand sanitizer that contains at least 60% alcohol.
- Avoid close contact with people who are sick.
- Cover your cough or sneeze with a tissue, then throw the tissue in the trash.
- Clean frequently touched objects and surfaces daily. If someone is sick or has tested positive for COVID-19, disinfect frequently touched surfaces.

- Monitor your health daily.

Treatment Tab (under Medical treatments)

Treatments used for COVID-19 should be prescribed by your healthcare provider. People have been seriously harmed and even died after taking products not approved for COVID-19, even products approved or prescribed for other uses. Your healthcare provider will decide on what approach to take for your treatment.

Your healthcare provider also may recommend the following to relieve symptoms and support your body's natural defenses.

- Taking medications, like acetaminophen or ibuprofen, to reduce fever.
- Drinking water or receiving intravenous fluids to stay hydrated.
- Getting plenty of rest to help the body fight the virus.

These are live, https://www.cdc.gov/coronavirus/2019-nCoV/index.html .

Thanks,

Scott

From: McDaniel, Rebecca (CDC/OD/OADC) <ldy8@cdc.gov>
Sent: Monday, April 12, 2021 3:01 PM
To: Mullins, Scott R. (CDC/OD/OADC) (CTR) <svm8@cdc.gov>
Cc: Crawford, Carol Y. (CDC/OD/OADC) <cjy1@cdc.gov>; Smith, Fred (CDC/OD/OADC) <evp9@cdc.gov>
Subject: Google Knowledgebase Update

Hi Scott,

Please see edits below for the Prevention and Treatment tabs. Please let me know if you have any questions.

(b)(5)

(b)(5)

Becky McDaniel
Health Communication Specialist
(404) 536-6002

From:	Stanley Onyimba
To:	Bretthauer-Mueller , Rosemary (CDC/DDNID/NCIPC/OD)
Cc:	Crawford, Carol Y. (CDC/OD/OADC); LaPorte, Kathleen (CDC/DDID/NCIRD/ID); Jan Antonaros
Subject:	Re: Google meeting at 4
Date:	Tuesday, February 16, 2021 11:42:41 PM

Thanks for sharing these key messages, Rosie!

On Tue, Feb 16, 2021 at 1:09 PM Bretthauer-Mueller , Rosemary (CDC/DDNID/NCIPC/OD) <zhk0@cdc.gov> wrote:

1. **Protect Yourself and others from COVID-19**

   Even after vaccination, we need to continue using all the tools available to help stop this pandemic as we learn more about how COVID-19 vaccines work in real-world conditions.

   - Wearing a mask over your nose and mouth
   - Staying at least 6 feet away from others
   - Avoiding crowds
   - Avoiding poorly ventilated spaces
   - Washing your hands often

2. **Use the hashtag #SleeveUp**

   Vaccination works better when we do it together. #SleeveUp for a future safe from #COVID19.

3. **Help stop the pandemic by getting vaccinated**

COVID-19 vaccination is an important tool to help us resume life.

4. **Millions of people have safely received a COVID-19 vaccine**

   Millions of people in the United States have received COVID-19 vaccines, and these vaccines are undergoing the most intensive safety monitoring in U.S. history.

5. **K–12 schools** should be the last settings to close after all other mitigation measures in the community have been employed, and the first to reopen when they can do so safely.

- All schools should use and layer mitigation strategies.
- Schools providing in-person instruction should prioritize two mitigation strategies:
    - Universal and correct use of masks should be required.
    - Physical distancing (at least 6 feet) should be maximized to the greatest extent possible.

From: Crawford, Carol Y. (CDC/OD/OADC) <cjy1@cdc.gov>
Sent: Tuesday, February 16, 2021 2:06 PM
To: Bretthauer-Mueller , Rosemary (CDC/DDNID/NCIPC/OD) <zhk0@cdc.gov>
Cc: LaPorte, Kathleen (CDC/DDID/NCIRD/ID) <wng2@cdc.gov>
Subject: Google meeting at 4

They said they do want to discuss vaccines: (b)(5) in addition to general timelines/key messages for upcoming campaigns."

Hoping you have his updated appt but if not here is the right teams info:

Join on your computer or mobile app

Click here to join the meeting

Or call in (audio only)

(b)(6) United States, Atlanta

United States (Toll-free)

Phone Conference ID: (b)(6) #

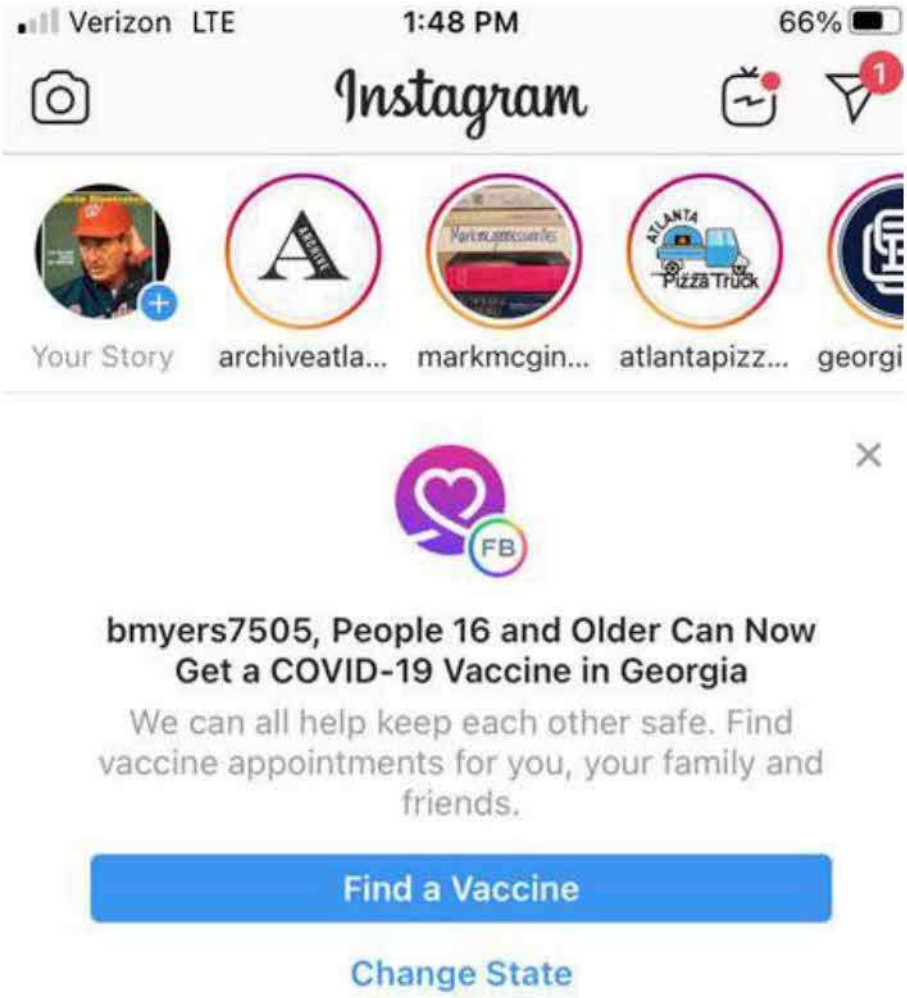
Find a local number | Reset PIN

Learn More | Meeting options

--
Stanley Onyimba | Global Product Partnerships | sonyimba@google.com

From: Crawford, Carol Y. (CDC/OD/OADC)
To: Payton Iheme; Genelle Adrien; Chelsey Lepage
Subject: Reported Issue on Instagram
Date: Thursday, April 29, 2021 1:57:00 PM

I've been told this link isn't working when it appears for people. As you know we are moving vaccinefiner.org over to a .gov tomorrow but not sure if this issue is related. I do not see it so I cannot see what the problem is. Find vaccine doesn't do anything when clicked.



Carol Crawford
Chief, Digital Media Branch
Division of Public Affairs
OADC
ccrawford@cdc.gov
404-498-2840

From: Crawford, Carol Y. (CDC/OD/OADC)
To: Payton Iheme; Carrie Adams
Subject: Thursday"s meeting - Ask for phone and texting related to vaccines.gov
Date: Tuesday, May 11, 2021 11:30:00 AM

Payton – I was hoping to discuss how Facebook/Instagram/Etc. could help WH/HHS/CDC to promote the other ways to access the vaccinefinder (vaccines.gov) call and text numbers? WH/HHS asked me to reach out on their behalf for all of us.

Thanks!

Text your **zip code** to (b)(6)

Call (b)(6)

From: Dempsey, Jay H. (CDC/OD/OADC)
Sent: Fri, 11 Jun 2021 16:30:57 +0000
To: Julia Eisman
Cc: Crawford, Carol Y. (CDC/OD/OADC)
Subject: CDC Ads
Attachments: VTF Paid Ads Content draft 6.8 VTF_aeh prp9 JIC Clean.docx, FINAL_Appeals_testing_messages_6.4.21_clean.docx

Hi Julia- Following up on yesterday's call, I saw that some of the ads that I mentioned as coming to Facebook were review were sent practically as soon as we closed the call. But, sending these your way in case you have any insights on adjusting the ads spends or any other details to optimize their performance. I'm also sharing these with Code 3 to see if they have thoughts on how to improve the creative on future runs using similar assets. Thanks again for pointing us in their direction!

Best-

Jay

Jay H. Dempsey, M.Ed.
Social Media Team Lead, Digital Media Branch, Division of Public Affairs
Office of the Associate Director for Communication,
U.S. Centers for Disease Control and Prevention

TELEWORKING
Mobile: (b)(6)
Follow us on Twitter
Join us on Facebook

Template for OADC Social Media Paid Ads

Send completed table to XYZ for review and feedback

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(b)(5)

(b)(5)

(b)(5)

From: Crawford, Carol Y. (CDC/OD/OADC)
Sent: Thu, 4 Mar 2021 18:58:01 +0000
To: LaPorte, Kathleen (CDC/DDID/NCIRD/ID);Jorgensen, Cynthia (CDC/DDID/NCIRD/OD);Sokler, Lynn (CDC/OD/OADC);CDC IMS JIC Lead -2
Cc: Cory, Janine (CDC/DDID/NCIRD/DVD);Bretthauer-Mueller , Rosemary (CDC/DDNID/NCIPC/OD);CDC IMS JIC OADC LNO -2;Dempsey, Jay H. (CDC/OD/OADC);LaPorte, Kathleen (CDC/DDID/NCIRD/ID);Layton, Kathleen (CDC/OD/OADC);Vazquez, Germaine (ATSDR/OCOM)
Subject: Re: Awareness: Facebook "I got a COVID-19 Vaccine" frame

(b)(5)
(b)(5) When I get a copy, I'll share. They would like to launch it around March 15.

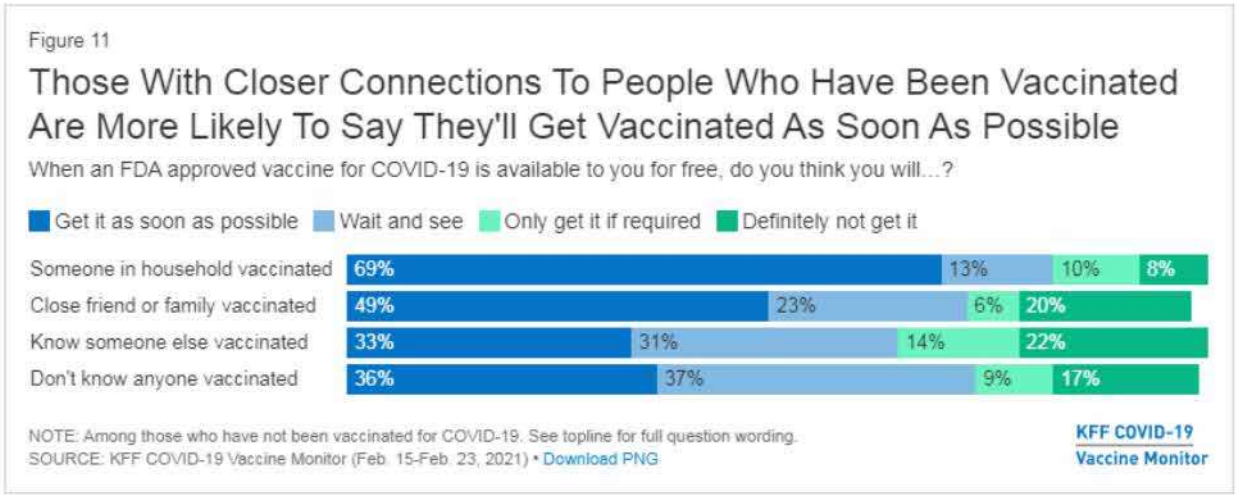
From: Crawford, Carol Y. (CDC/OD/OADC)
Sent: Monday, March 1, 2021 11:19 AM
To: LaPorte, Kathleen (CDC/DDID/NCIRD/ID) <wng2@cdc.gov>; Jorgensen, Cynthia (CDC/DDID/NCIRD/OD) <cxj4@cdc.gov>; Jones, Christopher M. (CDC/DDNID/NCIPC/OD) <FJR0@cdc.gov>; Bonds, Michelle E. (CDC/OD/OADC) <meb0@cdc.gov>; Sokler, Lynn (CDC/OD/OADC) <zsz0@cdc.gov>; CDC IMS JIC Lead -2 <eocjiclead2@cdc.gov>; OConnor, John (CDC/DDID/NCEZID/OD) <jpo2@cdc.gov>
Cc: Cory, Janine (CDC/DDID/NCIRD/DVD) <jyc5@cdc.gov>; Bretthauer-Mueller , Rosemary (CDC/DDNID/NCIPC/OD) <zhk0@cdc.gov>; CDC IMS JIC OADC LNO -2 <eocevent202@cdc.gov>; Dempsey, Jay H. (CDC/OD/OADC) <ifb5@cdc.gov>
Subject: RE: Awareness: Facebook "I got a COVID-19 Vaccine" frame

Update: Looks like (b)(5)
(b)(5) I'll keep you posted.

From: LaPorte, Kathleen (CDC/DDID/NCIRD/ID) <wng2@cdc.gov>
Sent: Monday, March 1, 2021 8:53 AM
To: Crawford, Carol Y. (CDC/OD/OADC) <cjy1@cdc.gov>; Jorgensen, Cynthia (CDC/DDID/NCIRD/OD) <cxj4@cdc.gov>; Jones, Christopher M. (CDC/DDNID/NCIPC/OD) <FJR0@cdc.gov>; Bonds, Michelle E. (CDC/OD/OADC) <meb0@cdc.gov>; Sokler, Lynn (CDC/OD/OADC) <zsz0@cdc.gov>; CDC IMS JIC Lead -2 <eocjiclead2@cdc.gov>; OConnor, John (CDC/DDID/NCEZID/OD) <jpo2@cdc.gov>
Cc: Cory, Janine (CDC/DDID/NCIRD/DVD) <jyc5@cdc.gov>; Bretthauer-Mueller , Rosemary (CDC/DDNID/NCIPC/OD) <zhk0@cdc.gov>; CDC IMS JIC OADC LNO -2 <eocevent202@cdc.gov>; Dempsey, Jay H. (CDC/OD/OADC) <ifb5@cdc.gov>
Subject: RE: Awareness: Facebook "I got a COVID-19 Vaccine" frame

Hi All,

Also, some additional information from KFF showing the benefit of people sharing their own vaccine experience with their network.
KFF COVID-19 Vaccine Monitor: February 2021 | KFF



We also saw positive interaction our flu campaign **#SleeveUp to #FightFlu** effort on social media.

-KLP

From: Crawford, Carol Y. (CDC/OD/OADC) <cjy1@cdc.gov>
Sent: Friday, February 26, 2021 4:57 PM
To: Jorgensen, Cynthia (CDC/DDID/NCIRD/OD) <cxj4@cdc.gov>; Jones, Christopher M. (CDC/DDNID/NCIPC/OD) <FJR0@cdc.gov>; Bonds, Michelle E. (CDC/OD/OADC) <meb0@cdc.gov>; Sokler, Lynn (CDC/OD/OADC) <zsz0@cdc.gov>; CDC IMS JIC Lead -2 <eocjiclead2@cdc.gov>; OConnor, John (CDC/DDID/NCEZID/OD) <jpo2@cdc.gov>
Cc: Cory, Janine (CDC/DDID/NCIRD/DVD) <jyc5@cdc.gov>; LaPorte, Kathleen (CDC/DDID/NCIRD/ID) <wng2@cdc.gov>; Bretthauer-Mueller , Rosemary (CDC/DDNID/NCIPC/OD) <zhk0@cdc.gov>; CDC IMS JIC OADC LNO -2 <eocevent202@cdc.gov>; Dempsey, Jay H. (CDC/OD/OADC) <ifb5@cdc.gov>
Subject: RE: Awareness: Facebook "I got a COVID-19 Vaccine" frame

Answering what I have read so far in one e-mail….

Cynthia - (b)(5)

(b)(5)

From: Jorgensen, Cynthia (CDC/DDID/NCIRD/OD) <cxj4@cdc.gov>
Sent: Friday, February 26, 2021 4:46 PM
To: Crawford, Carol Y. (CDC/OD/OADC) <cjy1@cdc.gov>; Jones, Christopher M. (CDC/DDNID/NCIPC/OD) <FJR0@cdc.gov>; Bonds, Michelle E. (CDC/OD/OADC) <meb0@cdc.gov>; Sokler, Lynn (CDC/OD/OADC) <zsz0@cdc.gov>; CDC IMS JIC Lead -2 <eocjiclead2@cdc.gov>; OConnor, John (CDC/DDID/NCEZID/OD) <jpo2@cdc.gov>
Cc: Cory, Janine (CDC/DDID/NCIRD/DVD) <jyc5@cdc.gov>; LaPorte, Kathleen (CDC/DDID/NCIRD/ID) <wng2@cdc.gov>; Bretthauer-Mueller , Rosemary (CDC/DDNID/NCIPC/OD) <zhk0@cdc.gov>; CDC IMS JIC OADC LNO -2 <eocevent202@cdc.gov>; Dempsey, Jay H. (CDC/OD/OADC) <ifb5@cdc.gov>
Subject: RE: Awareness: Facebook "I got a COVID-19 Vaccine" frame

(b)(5)

Cynthia
JIC Co-Lead(March April)
CDC COVID-19 Emergency Response

Permanent Position
Associate Director for Communication
National Center for Immunization and Respiratory Diseases
Centers for Disease Control and Prevention
1600 Clifton Road, Atlanta, GA 30333

☎ Tel.: (404) 718-8534
Email: cxj4@cdc.gov

,

From: Crawford, Carol Y. (CDC/OD/OADC) <cjy1@cdc.gov>
Sent: Friday, February 26, 2021 4:37 PM
To: Jones, Christopher M. (CDC/DDNID/NCIPC/OD) <FJR0@cdc.gov>; Bonds, Michelle E. (CDC/OD/OADC) <meb0@cdc.gov>; Sokler, Lynn (CDC/OD/OADC) <zsz0@cdc.gov>; CDC IMS JIC Lead -2 <eocjiclead2@cdc.gov>; OConnor, John (CDC/DDID/NCEZID/OD) <jpo2@cdc.gov>; Jorgensen, Cynthia (CDC/DDID/NCIRD/OD) <cxj4@cdc.gov>
Cc: Cory, Janine (CDC/DDID/NCIRD/DVD) <jyc5@cdc.gov>; LaPorte, Kathleen (CDC/DDID/NCIRD/ID) <wng2@cdc.gov>; Bretthauer-Mueller , Rosemary (CDC/DDNID/NCIPC/OD) <zhk0@cdc.gov>; CDC IMS JIC OADC LNO -2 <eocevent202@cdc.gov>; Dempsey, Jay H. (CDC/OD/OADC) <ifb5@cdc.gov>
Subject: Awareness: Facebook "I got a COVID-19 Vaccine" frame

Facebook has approached CDC (and HHS) about creating a single US “frame” where people who have been vaccinated can change their profile picture to indicate they have received their COVID vaccine.

(b)(5) In a nutshell,

(b)(4)

(b)(4)

From: Crawford, Carol Y. (CDC/OD/OADC)
Sent: Wed, 12 May 2021 15:46:46 +0000
To: Layton, Kathleen (CDC/OD/OADC);Dempsey, Jay H. (CDC/OD/OADC);jennifer.shopkorn@census.gov;CLewitzke@reingold.com;shuxley@reingold.com;kstanley@reingold.com;Carrie Adams;Payton Iheme;Sokler, Lynn (CDC/OD/OADC);Galatas, Kate (CDC/OD/OADC)
Subject: Training for Facebook's Misinfo Reporting Channel

Holding 1 hour but expect it to be closer to 30 minutes.

Join ZoomGov Meeting
(b)(6)

Meeting ID: (b)(6)
Passcode (b)(6)
One tap mobile
(b)(6) US (San Jose)
US (New York)

Dial by your location
(b)(6) US (San Jose)
US (New York)
US (San Jose)
US
Meeting ID: (b)(6)
Passcode: (b)(6)
Find your local number: (b)(6)

From: Claire Wardle (Google Docs)
Sent: Fri, 09 Jul 2021 10:55:06 -0700
To: Wilhelm, Elisabeth (CDC/DDPHSIS/CGH/GID)
Subject: CDC Draft Curriculum

Claire Wardle resolved comments in the following document

CDC Draft Curriculum

Resolved
3
comments

Resolved

Comments

Introduction to effective fact-checks and filling information and content gaps: how to word headlines or fact-checks without causing more harm.

E El Wil

...what about increasing collabs with factcheckers? How to work with journos more effectively?


Claire Wardle New

Marked as resolved

ReplyOpen

Messages

E El Wil

How about straight up content? Not just messages? Thinking about tailored, culturally relevant content in many languages and formats....


Claire Wardle New

Marked as resolved

ReplyOpen

Tuesday – Introduction to Social Listening

E El Wil

Stealing from Terri, but maybe we consider adding "observations" meaning understanding interactions such as an AMA or community dynamics such as holistic or mommy communities and community norms and how they can hamper or accelerate misinfo/info voids...

E El Wil

Another important component to this: recognizing the limitations of social listening; e.g. the iceberg problem, and listing a more fulsome set of data sources HD staff may have access to such as tip lines, surveys, especially with a focus on offline/rural/disproportionately affected pops

E El Wil

Also, I think we need mention of access and equity here--communities with limited health or network access are also more likely to be vulnerable to lower vaccine uptake and outbreaks. Systems we use are meant for English speakers and are inherently biased. We should unpack this so that assumptions are not made based on limited data collection on only a small number of platforms.

 Claire Wardle New

Marked as resolved

Reply Open

Google LLC, 1600 Amphitheatre Parkway, Mountain View, CA 94043, USA

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Google

From: Nuadum Konne (Google Docs)
Sent: Tue, 16 Feb 2021 14:13:37 -0800
To: Kolis, Jessica (CDC/DDPHSIS/CGH/GID)
Subject: Healthcare Worker survey questions_protocol_v1

Nuadum Konne resolved comments in the following document

Healthcare Worker survey questions_protocol_v1

Resolved
2
comments

Resolved

Comments

Now, I'm going to read a series of phrases regarding the COVID-19 vaccine and I'd like you to let me know if you've heard them with a yes or no. COVID-19 vaccine (mRNA) causes an irreversible damage to your genes Vaccinated kids are not as healthy as unvaccinated kids COVID-19 vaccines caused deaths in the U.S. Vaccine contains microchips Vaccines contain aborted fetal cells

A Atsuyoshi Ishizumi

I wonder if we can just explore these as probes under Q1 as opposed to reading them aloud... for example, "have you heard anything specifically about mRNA vaccine platform? If so, can you explain? Do you believe it to be true?" or something like that

N Nuadum Konne

This is a good idea and I'm ok with either set up, will defer to Halim.

E Elodie Ho

agree with the comments above, since the predominant rumors can be different in each country. So would suggest a probe instead.

J Jessica Kolis

So does this feed into the same issue as the quant survey that we are putting rumors out there we don't need to? Can we just solicit rumors and maybe give categories? For example? Have you heard rumors about COVID-19 related to....
- Vaccine effectiveness
- Vaccine safety
etc?

N Nuadum Konne

Thank you for the suggestion, I think a variation between and Atsu's suggestions works!

N Nuadum KonneNew

Marked as resolved

ReplyOpen

[Ask if they answer Q1] What is your impression of these rumors on your health seeking behavior? From your perspective, do you think COVID-19 vaccine misinformation has impacted your health seeking behavior?

N Nuadum Konne

Which question makes more sense?

A Atsuyoshi Ishizumi

I think I like Q2 better! Maybe we can ask more directly how these rumors have changed how they feel about COVID-19 vaccines?

N Nuadum Konne

awesome! and agreed, a follow up question on how the rumors have changed how they feel about COVID-19 vaccines is great. Jess and others to weigh in.

E Elodie Ho

agree with editing the question and focus on vaccine perception instead of health seeking behaviors, since we will interview CHWs. Should we be even more specific on the behavior and ask about their willingness to get vaccinated?

N Nuadum Konne

Totally agree on this front, and we have specific questions on perceptions and willingness to get vaccinated in the survey section. Ideally, we would select participants for the in-depth interview based on their stated interests from the survey so I think we would have data around their willingness to get vaccinated from their survey response, but might be worth asking here too.

J Jessica Kolis

Can we do that with declassifying (select people based on their responses)? If so then some of my comments above aren't needed. Are we worried about their behaviors or patients? I think the 2nd questions is better and like's Atsu's edit.

I don't think it would hurt to ask about their willingness to get vaccinated, it might give us more information then the 5 scale we have.

N Nuadum Konne

Love the discussion on this question. I definitely don't think it would hurt to include a question on their willingness to get vaccinated here.

a aurelie skrobik

agree with moving away from the question on health seeking behavior, also not sure what

that term means will be clear to all

N Nuadum KonneNew

Marked as resolved

ReplyOpen

Google LLC, 1600 Amphitheatre Parkway, Mountain View, CA 94043, USA

You have received this email because you are a participant in the updated discussion threads.Change what Google Docs sends you.You can not reply to this email.

Google™

From: Daiva Yee (Google Slides)
Sent: Sun, 08 Aug 2021 21:21:49 -0700
To: Wilhelm, Elisabeth (CDC/DDPHSIS/CGH/GID)
Subject: SMC RCA Presentat... - Can't remember if we decided to keep ...

Daiva Yee added a comment to the following document

SMC RCA Presentation 8.3.21.pptx

vaccine

Daiva Yee New

Can't remember if we decided to keep this demographics slide. Probably can remove for adults if we aren't including for adolescents

Open

Google LLC, 1600 Amphitheatre Parkway, Mountain View, CA 94043, USA

You have received this email because you are subscribed to all discussions on SMC RCA Presentation 8.3.21.pptx. Change what Google Docs sends you. You cannot reply to this email. View SMC RCA Presentation 8.3.21.pptx to reply.

Google™

From: Scotti Michele Leonard (Google Slides)
Sent: Mon, 09 Aug 2021 05:15:22 -0700
To: Wilhelm, Elisabeth (CDC/DDPHSIS/CGH/GID)
Subject: SMC RCA Presentat... - Confirm with Terri

Scotti Michele Leonard replied to a comment in the following document

SMC RCA Presentation 8.3.21.pptx

Methods and Audiences

COVID-19 Vaccine Confidence Consults

Confirm with Terri
Elisabeth Wilhelm

Add to Teen bubble: Change o :Adults in Family" and "Adults, Outside of Family"
Scotti Michele Leonard

I will update figureand add to slide...
Scotti Michele LeonardNew

Updated

Open

Google LLC, 1600 Amphitheatre Parkway, Mountain View, CA 94043, USA

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Google™

From: COVID-19 Vaccine Confi... (Google Slides)
Sent: Fri, 06 Aug 2021 16:18:54 -0700
To: Wilhelm, Elisabeth (CDC/DDPHSIS/CGH/GID)
Subject: SMC RCA Presentat... - I think this will be covered in MPBGC...

COVID-19 Vaccine Confidence Consults added a comment to the following document

SMC RCA Presentation 8.3.21.pptx

Teens and Social Media

COVID-19 Vaccine Confidence Consults New

I think this will be covered in MPBGC presentation.

Open

Google LLC, 1600 Amphitheatre Parkway, Mountain View, CA 94043, USA

You have received this email because you are subscribed to all discussions on SMC RCA Presentation 8.3.21.pptx. Change what Google Docs sends you. You cannot reply to this email. View SMC RCA Presentation 8.3.21.pptx to reply.

Google™

From: COVID-19 Vaccine Confi... (Google Slides)
Sent: Sun, 08 Aug 2021 14:58:40 -0700
To: Wilhelm, Elisabeth (CDC/DDPHSIS/CGH/GID)
Subject: SMC RCA Presentat... - moved this one up earlier

COVID-19 Vaccine Confidence Consults added a comment to the following document

SMC RCA Presentation 8.3.21.pptx

COVID-19 Vaccine Confidence Consults New

moved this one up earlier

Open

Google LLC, 1600 Amphitheatre Parkway, Mountain View, CA 94043, USA

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Google™

From: COVID-19 Vaccine Confi... (Google Slides)
Sent: Fri, 06 Aug 2021 14:48:59 -0700
To: Wilhelm, Elisabeth (CDC/DDPHSIS/CGH/GID)
Subject: SMC RCA Presentat... - There were some teens, family members...

COVID-19 Vaccine Confidence Consults added a comment to the following document

SMC RCA Presentation 8.3.21.pptx

Limited direct interviews

COVID-19 Vaccine Confidence Consults New

There were some teens, family members, and community members we came across who were hesitant

Open

Google LLC, 1600 Amphitheatre Parkway, Mountain View, CA 94043, USA

You have received this email because you are subscribed to all discussions on SMC RCA Presentation 8.3.21.pptx. Change what Google Docs sends you. You cannot reply to this email. View SMC RCA Presentation 8.3.21.pptx to reply.

Google

From: COVID-19 Vaccine Confi... (Google Slides)
Sent: Sun, 08 Aug 2021 17:39:13 -0700
To: Wilhelm, Elisabeth (CDC/DDPHSIS/CGH/GID)
Subject: SMC RCA Presentation 8.3.21.pptx

COVID-19 Vaccine Confidence Consults resolved comments in the following document

SMC RCA Presentation 8.3.21.pptx

Resolved
2
comments

Resolved

Comments

COVID-19 Vaccine Confidence Consults

I think this would be a great closing slide.

COVID-19 Vaccine Confidence Consults New

Marked as resolved

Open

Hyperlocal targeting and tailoring of outreach and clinics High-touch direct outreach to talk through concerns and answer questions

COVID-19 Vaccine Confidence Consults

I moved these up and underlined because I heard often but now am wondering if you were underlining for different emphasis?

COVID-19 Vaccine Confidence Consults New

Marked as resolved

Open

Google LLC, 1600 Amphitheatre Parkway, Mountain View, CA 94043, USA

You have received this email because you are a participant in the updated discussion threads. Change what Google Docs sends you. You cannot reply to this email.

From: Aybuke Koyuncu (Google Docs)
Sent: Mon, 12 Jul 2021 14:59:36 -0700
To: Wilhelm, Elisabeth (CDC/DDPHSIS/CGH/GID)
Subject: SMC RCA_Draft Qua... - Could add additional questions here, ...

Aybuke Koyuncu replied to a comment in the following document

SMC RCA_Draft Quant Survey

Trusted information sources? Online conversations?

A

Aybuke Koyuncu

Could add additional questions here, could leave this section blank and allow them to come up with questions

E

El Wil

Other ideas:

Have you had conversations about COVID-19 vaccines with family and friends?

Have any of these conversations been prompted by sharing of concerns or misinformation about COVID-19 vaccines?

How would you characterize the information you get about COVID-19 on a day to day basis?

Too much information
About the right information
Not enough information
Don't know

[Getting at overload]: Have you changed the amount of time you spend on social media since January?

Increased
Decreased
About the same
Don' know

How would you describe in a word how you feel/felt about getting a COVID-19 vaccine? [open answer]

How would you describe in a word how you feel about your family getting COVID-19 vaccines? [open answer]

...just some ideas.

A Aybuke Koyuncu New

Lis most interested in last 2

A Aybuke Koyuncu New

Where are people getting information

Open

Google LLC, 1600 Amphitheatre Parkway, Mountain View, CA 94043, USA

You have received this email because you are a participant in this thread. Change what Google Docs sends you. You can reply to this email to reply to the discussion.

Google

From: Charlotte Stanton
Sent: Mon, 28 Jun 2021 10:33:39 -0700
To: vsi-early-users-external@google.com
Cc: Tomer Shekel
Subject: [VSI Early Access Users External] Google VSI: your feedback and artifacts

Dear VSI early users,

Many thanks to those who have already shared your feedback on the vaccination search insights data!

If you haven't yet provided feedback on what you like/don't like about the dataset, please do so *asap* by filling in **this form**. Thank you!

Since starting to work with the data, have you found an interesting correlation that might benefit others? And/or have you already integrated the data into your workflow?

To help newcomers understand and use the data more easily, we would like to post examples of how you are using it alongside the published data. Even if you are in the early stages of working with the data, we would love to know your initial ideas on a potential artifact you might like us to publish to help make it easier for others to use the data.

With gratitude,
Charlotte on behalf of the VSI team

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WARNING: There are external email addresses on this mailing list. Do not discuss any internal or confidential information.

You received this message because you are subscribed to the Google Groups "VSI Early Access Users [External]" group.
To unsubscribe from this group and stop receiving emails from it, send an email to vsi-early-users-external+unsubscribe@google.com.
To view this discussion on the web visit https://groups.google.com/a/google.com/d/msgid/vsi-early-users-external/CAOt8YrfU2dt6QbNYk-ma2mWQCDyeRZtrR5T6kfDH%2B3JjdSwffw%40mail.gmail.com.

From: Richard DeFiore
Sent: Tue, 15 Jun 2021 08:45:26 -0400
To: Wilhelm, Elisabeth (CDC/DDPHSIS/CGH/GID);Lubar, Debra (CDC/DDID/NCEZID/OD);Kolis, Jessica (CDC/DDPHSIS/CGH/GID);Brookmeyer, Kathryn A. (CDC/DDID/NCHHSTP/DSTDP)
Subject: New Google Tools for COVID-19

Hi all,
Just another FYI if you haven't seen this already:

Sharing several new tools we've developed to help public health officials and researchers better understand the vaccination needs of their communities (see blog post for more details):

- **COVID-19 Vaccination Access Dataset*:*** In an effort to support local and state public health officials in their vaccination efforts, the public tool quantifies access to vaccination sites, taking into account travel time (from Google Directions API, no user data) via different modes of transportation. We hope the dataset can help public health officials, researchers, and healthcare providers identify areas where vaccination sites are inaccessible or hard to reach, and inform interventions such as pop up vaccination sites or transportation support. This dataset powers Ariadne Labs & Boston Children's Hospital's new Vaccine Equity Planner dashboard, which integrates and visualizes our data with data from other relevant COVID-19 sources.
- **COVID-19 Vaccination Search Insights tool**: We've heard from leading public health organizations and researchers that they have a difficult time knowing what information their communities are seeking about vaccines and vaccination and that they lack localized, timely sources of data that could inform their vaccine campaigns. Using aggregated and anonymized Google Search data, the insights tool (currently in early access phase, with upcoming public release) will show trends over time at the county and zipcode level representing the relative search interest in COVID-19 vaccination. The data is normalized such that users can compare the trends in different regions, and over time, without exposing any individual query or even the actual number of queries in any given area.

Both tools will initially be available in English and in the US to start, with plans to explore international expansion in the months ahead.

Richard DeFiore | Google Cloud Federal Team | rdefiore@google.com | 703-598-8767

From: Twitter
Sent: Sat, 04 Apr 2020 14:45:12 +0000
To: Kolis, Jessica (CDC/DDID/NCIRD/OD) (CTR)
Subject: Paul Offit Tweeted: How to Cure Coronavirus - with Dr. Paul Offit vi...

Looking for up-to-date info on COVID-19? Read now

Your Highlights

Paul Offit
@DrPaulOffit

How to Cure Coronavirus - with Dr. Paul Offit via @YouTube

3 13 24

From: Wilhelm, Elisabeth (CDC/DDID/NCIRD/OD) (CTR)
Sent: Tue, 16 Feb 2021 13:42:39 +0000
To: irenejay@google.com
Subject: RE: [Training Opportunity] First Draft's Vaccine Insights Bootcamp

Thanks for the signal boost! ☺

Hope you're doing well, Irene!

Sincerely,

Elisabeth Wilhelm
Vaccine Confidence Strategist

| Deployed to CDC Vaccine Task Force as Team Co-Lead of Vaccine Confidence Team
| Day Job: Demand for Immunization Team, Global Immunization Division

M: + (b)(6)
E: nla5@cdc.gov

| Contractor with Technals Consulting

From: irenejay@google.com <irenejay@google.com>
Sent: Tuesday, February 16, 2021 6:36 AM
To: Wilhelm, Elisabeth (CDC/DDID/NCIRD/OD) (CTR) <nla5@cdc.gov>
Subject: [Training Opportunity] First Draft's Vaccine Insights Bootcamp

Hello Elisabeth,

I hope all is well! I wanted to pass along an update from First Draft, which has launched the Vaccine Insights Hub to help reporters, public health communication specialists, policy makers and community organizations tackle health and vaccine misinformation.

They have also launched an amazing 10-part bootcamp - offered in 3 time zones, which kicks off today and features First Draft APAC's own Anne Kruger and Esther Chan!

The program is designed and run by First Draft's highly experienced team, working on the frontline in the fight against misinformation. You can join as many online workshops as you wish. They're free, easy to access, and only take 30 minutes.

With the ability to build your own syllabus, live interpretation in your language and on-demand lesson recaps, this highly customizable course is designed for busy schedules and varied levels of knowledge and experience. **Register here** to build a new set of razor sharp skills and become an expert in search, monitoring, verification and more.

The course is available in nine languages and across three time zones:

- Tuesdays: AEDT (English, Mandarin and Hindi).
- Wednesdays: GMT (English, French, Arabic, Italian and German).
- Thursdays: ET (English, Spanish, and Portuguese).

Vaccine Insights Hub

You will be pleased to hear that First Draft is now offering a new series of resources and initiatives to help reporters, public health communication specialists, policy makers and community organizations tackle health and vaccine misinformation in the first half of 2021.

These resources include a Vaccine Insights Hub and related weekly newsletter, flexible online learning materials and crisis simulations. Below are further details about what is available and you will note the **30 minute training opportunities** listed (starting 16th February 2021) - we hope that BBC Media Action will be interested in participating. Do get the details out to your colleagues and you can all sign up via the hub.

An online resource for vaccine insights

Central to the project is the Vaccine Insights Hub. It's an online resource and center of expertise for timely insights, intelligence and reporting guidance on the latest vaccine misinformation. It will feature research, case studies and training, along with key topics and trends gathered from online conversations.

Sign up to our Vaccine Insights newsletter

We hope you find this project to counter vaccine misinformation as valuable and important as we do. If you sign up here, we'll email you our weekly briefing with all the narratives we are tracking, top tips and the latest on our events and training.

Build Your Own Bootcamp

Starting from February 16 (yes - tomorrow!) for 10 weeks, we will be running a Flexible Learning Course across three continents and nine languages, that offers registrants the chance to sign up to as many free 30-minute lectures and workshops as they like, according to their own interests and needs. They can also participate in hosted group chats and recap sessions to practice skills and share knowledge. Sign up now via the hub.

Vaccine Crisis Simulations

In April, we will run three 90-minute online crisis simulations, placing participants at the heart of a high-intensity, high-impact breaking vaccine story, challenging them to make real-time reporting decisions as events unfold. Again, you can attend by registering via the hub.

And much more...

We have plenty more in the pipeline for the months ahead, including a new research study exploring and analyzing examples of vaccine misinformation, weekly insights newsletter, monthly trends reports, 'snapshot' factsheets and checklists, our brand new CrossCheck platform for collaboration, and some really exciting new student and creative networks to help support us in our work.

In the meantime, you can discover our '*The building blocks of reporting and discussing Covid-19 vaccines*' PDF, that offers guidance on how to tackle misinformation on vaccines. Download the PDF here.

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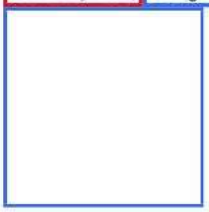
Irene Jay Liu | Google News Lab | irenejay@google.com | +65 9859 8335 | g.co/newslab



From: Singleton, James (CDC/DDID/NCIRD/ISD)
Sent: Thu, 18 Mar 2021 19:47:46 +0000
To: Payton Iheme;Jorgensen, Cynthia (CDC/DDID/NCIRD/OD);Abad, Neetu S. (CDC/DDPHSIS/CGH/GID);Priya Gangolly;Crawford, Carol Y. (CDC/OD/OADC);Layton, Kathleen (CDC/OD/OADC);Dempsey, Jay H. (CDC/OD/OADC);Chelsey Lepage;Genelle Adrien;Katherine Morris
Cc: Airton Tatoug Kamdem;Nisha Deolalikar;Julia Eisman;Stephanie Bousheri;Liz Lagone;Kate Thornton;Kolis, Jessica (CDC/DDPHSIS/CGH/GID)
Subject: RE: Call or VC- Facebook weekly sync with CDC (CDC to invite other agencies as needed)

Revised intent question for Census Household Pulse survey 3.1 to start April 14 (survey will be on break during March 30-April 13):

Universe: If QV1 does not equal Yes
QV3. (GETVACC) Once a vaccine to prevent COVID-19 is available to you, would you…

a. Definitely get a vaccine
b. Probably get a vaccine - ask WHYNOT
c. Be unsure about getting a vaccine- ask WHYNOT
d. Probably NOT get a vaccine – ask WHYNOT
e. Definitely NOT get a vaccine – ask WHYNOT

Universe: If QV3 = Probably get a vaccine, Be unsure about getting a vaccine, Probably NOT get a vaccine, or Definitely NOT get a vaccine OR if QV2 = No
QV4. (WHYNOT) Which of the following, if any, are reasons that you [only probably will /probably won't/definitely won't/ are unsure about whether to] [get a COVID-19 vaccine/won't receive all required doses of a COVID-19 vaccine]? *(Select all that apply)*

Scripter: randomize

a. I am concerned about possible side effects of a COVID-19 vaccine
b. I don't know if a COVID-19 vaccine will work
c. I don't believe I need a COVID-19 vaccine – go to WHYNOT2
d. I don't like vaccines
e. My doctor has not recommended it
f. I plan to wait and see if it is safe and may get it later
g. I think other people need it more than I do right now
h. I am concerned about the cost of a COVID-19 vaccine
i. I don't trust COVID-19 vaccines
j. I don't trust the government
k. Other (please specify: _____) [ANCHOR]

Universe: If QV4 = I don't believe I need a COVID-19 vaccine
QV5. (WHYNOT2) Why do you believe that you don't need a COVID-19 vaccine? *(Select all that apply)*

Scripter: randomize

a. I already had COVID-19
b. I am not a member of a high-risk group
c. I plan to use masks or other precautions instead
d. I don't believe COVID-19 is a serious illness
e. I don't think vaccines are beneficial
f. Other (please specify: _____) [ANCHOR]

For a planned adult survey to launch in April using the National Immunization Survey sample frame, we are adding a question about when respondents think they would get vaccinated, to get at the "wait and see" group:

[SHOW IF VAX2=2, 99]
VAX7.
Once a COVID-19 vaccine is available to you, would you…

RESPONSE OPTIONS:
f. Definitely get a vaccine
g. Probably get a vaccine
h. Be unsure about getting a vaccine
i. Probably <u>not</u> get a vaccine
j. Definitely <u>not</u> get a vaccine

[SHOW IF VAX6=1, 2, 3]
VAX8.

Once a COVID-19 vaccine is available to you, when do you think you would get it?

RESPONSE OPTIONS:

1. Immediately
1. Within a month
2. Within three months
3. Within six months
4. More than six months
5. I wouldn't get it at all without more information

Thanks,
Jim

-----Original Appointment-----
From: Payton Iheme <payton@fb.com>
Sent: Tuesday, March 16, 2021 1:07 PM
To: Payton Iheme; Jorgensen, Cynthia (CDC/DDID/NCIRD/OD); Singleton, James (CDC/DDID/NCIRD/ISD); Abad, Neetu S. (CDC/DDPHSIS/CGH/GID); Priya Gangolly; Crawford, Carol Y. (CDC/OD/OADC); Layton, Kathleen (CDC/OD/OADC); Dempsey, Jay H. (CDC/OD/OADC); Chelsey Lepage; Genelle Adrien; Katherine Morris
Cc: Airton Tatoug Kamdem; Nisha Deolalikar; Julia Eisman; Stephanie Bousheri; Liz Lagone; Kate Thornton; Kolis, Jessica (CDC/DDPHSIS/CGH/GID)
Subject: Call or VC- Facebook weekly sync with CDC (CDC to invite other agencies as needed)
When: Thursday, March 18, 2021 3:00 PM-4:00 PM (UTC-05:00) Eastern Time (US & Canada).
Where:

FB will go over the CMU report during this call.

Carol Crawford
-----Original Appointment-----
From: Payton Iheme <payton@fb.com>
Sent: Wednesday, January 27, 2021 6:44 PM
To: Payton Iheme; Priya Gangolly; Crawford, Carol Y. (CDC/OD/OADC); Layton, Kathleen (CDC/OD/OADC); Dempsey, Jay H. (CDC/OD/OADC); Chelsey Lepage; Genelle Adrien; Katherine Morris
Cc: Airton Tatoug Kamdem; Nisha Deolalikar; Julia Eisman; Stephanie Bousheri; Liz Lagone; Kate Thornton; Kolis, Jessica (CDC/DDPHSIS/CGH/GID)
Subject: Call or VC- Facebook weekly sync with CDC (CDC to invite other agencies as needed)
When: Thursday, March 18, 2021 3:00 PM-4:00 PM (UTC-05:00) Eastern Time (US & Canada).
Where:

-New attendees Intro

-CDC needs/questions

-FB Product updates/feedback request (COVID-HUB)

-COVID-19 Projects- CMU/FB Data Survey Update, Misinfo collab status, other

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Ways to join

🌐 Computer or Mobile:

(b)(6)

🖥 Facebook Conference Room:

Use the touch panel to enter the join code (b)(6) and pin **8435**

☎ Telephone:

Dial in on (b)(6) or find an alternative number then enter ID (b)(6) followed by participant passcode (b)(6)

Enabled by **Rooms**

From: Brookmeyer, Kathryn A. (CDC/DDID/NCHHSTP/DSTDP)
Sent: Fri, 19 Mar 2021 00:24:43 +0000
To: payton@fb.com;Priya Gangolly;Crawford, Carol Y. (CDC/OD/OADC);Layton, Kathleen (CDC/OD/OADC);Dempsey, Jay H. (CDC/OD/OADC);chelseylepage@fb.com;genelleadrien@fb.com;katherinemorris@fb.com
Cc: Airton Tatoug Kamdem;Nisha Deolalikar;Julia Eisman;Stephanie Bousheri;Liz Lagone;kthornton@fb.com;Kolis, Jessica (CDC/DDPHSIS/CGH/GID)
Subject: RE: Call or VC- Facebook weekly sync with CDC

Hi Facebook team,

I apologize that my sound cut out on the call today! It was great to hear you present on your excellent work.

In terms of understanding and building vaccine confidence – what would be incredibly helpful to our team is if you had the vaccine willingness variables and perceived barriers to vaccination variables segmented by county, or even by state. We have had an incredibly hard time getting granular data at this level and this would be so useful to our mapping efforts and our Insights Reports – as well as understanding the local factors working together to impact vaccine confidence. In both our mapping efforts and Insights Reports we use multiple data sources to better understand the factors currently affecting vaccine confidence and uptake. Our funded states and jurisdictions would be so happy and eager for this data as well!

Do you think such segmentation is possible? How often does your data refresh? Are all your vaccine confidence data indicators asked the same way at each wave of data collection?

Kindest regards and look forward to hearing your thoughts,
Kate

Kate Brookmeyer, Ph.D.
Behavioral Scientist

Vaccinate with Confidence Team | Insights Unit
Vaccine Task Force | Chief Medical Office
Centers for Disease Control and Prevention
Mobile: (b)(6)

Division of STD Prevention
National Center for HIV/AIDS, Viral Hepatitis, STD and TB Prevention
Centers for Disease Control and Prevention
Work: +1.404.639.8058

-----Original Appointment-----
From: payton@fb.com <payton@fb.com>
Sent: Tuesday, March 16, 2021 10:43 AM
To: payton@fb.com; Brookmeyer, Kathryn A. (CDC/DDID/NCHHSTP/DSTDP); Priya Gangolly; Crawford, Carol Y. (CDC/OD/OADC); Layton, Kathleen (CDC/OD/OADC); Dempsey, Jay H. (CDC/OD/OADC); chelseylepage@fb.com; genelleadrien@fb.com; katherinemorris@fb.com
Cc: Airton Tatoug Kamdem; Nisha Deolalikar; Julia Eisman; Stephanie Bousheri; Liz Lagone;

kthornton@fb.com; Kolis, Jessica (CDC/DDPHSIS/CGH/GID)
Subject: Call or VC- Facebook weekly sync with CDC (CDC to invite other agencies as needed)
When: Thursday, March 18, 2021 3:00 PM-4:00 PM (UTC-05:00) Eastern Time (US & Canada).
Where:

-----Original Appointment-----
From: payton@fb.com <payton@fb.com>
Sent: Wednesday, March 10, 2021 9:55 AM
To: Payton Iheme; Priya Gangolly; Crawford, Carol Y. (CDC/OD/OADC); Layton, Kathleen (CDC/OD/OADC); Dempsey, Jay H. (CDC/OD/OADC); chelseylepage@fb.com; genelleadrien@fb.com; katherinemorris@fb.com
Cc: Airton Tatoug Kamdem; Nisha Deolalikar; Julia Eisman; Stephanie Bousheri; Liz Lagone; kthornton@fb.com; Kolis, Jessica (CDC/DDPHSIS/CGH/GID)
Subject: Call or VC- Facebook weekly sync with CDC (CDC to invite other agencies as needed)
When: Thursday, March 18, 2021 3:00 PM-4:00 PM (UTC-05:00) Eastern Time (US & Canada).
Where:

-New attendees Intro

-CDC needs/questions

-FB Product updates/feedback request (COVID-HUB)

-COVID-19 Projects- CMU/FB Data Survey Update, Misinfo collab status, other

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Ways to join

🌐 Computer or Mobile:

(b)(6)

🖥 Facebook Conference Room:

Use the touch panel to enter the join code (b)(6) and pin (b)(6)

☎ Telephone:

Dial in on (b)(6) or find an alternative number

then enter ID (b)(6) followed by participant passcode (b)(6)

Enabled by **Rooms**

From: Wilhelm, Elisabeth (CDC/DDPHSIS/CGH/GID)
Sent: Thu, 8 Oct 2020 12:11:06 +0000
To: Irene Jay Liu
Cc: Joie Goh;trin Three;Chelsea Sim
Subject: Re: Thank you Elisabeth! - TMS 2020
Attachments: wanted-infodemic-unicorns.jpg

Hi Irene,

I actually met Alexios and Claire together over a year ago when they were at TED. Alexios is a cool dude!

The link, describe and even video for the unicorn program are below. Even if people feel like they don't quite fit the mold, I urge them to apply—we need diversity of experiences and skills to successfully combat the waves of misinformation that a new COVID-19 vaccines or vaccines will bring about. The world and ending this pandemic depends on this piece in context of a robust public health response and more medical and behavioral interventions in our arsenal.

Thanks for the signal boost! □

Video link: https://www.youtube.com/watch?v=X5HD96LuW9M

Short description:

Infodemic manager unicorns sought! Apply for WHO's first comprehensive global training on tracking, analyzing and addressing misinformation that affects people's health behaviors and help health systems respond more effectively to COVID-19. Searching for people with public health, digital, behavioral, data, and communications skills. Apply today! Deadline is October 18: https://www.who.int/news-room/articles-detail/call-for-applicants-for-1st-who-training-in-infodemic-management

Please don't hesitate to reach out if you have any further questions.

Lis

Get Outlook for iOS

From: Irene Jay Liu <irenejay@google.com>
Sent: Thursday, October 8, 2020 6:55:45 AM
To: Wilhelm, Elisabeth (CDC/DDPHSIS/CGH/GID) <nla5@cdc.gov>
Cc: Joie Goh <joiegoh@themasterplan.com.sg>; trin Three (b)(6) >; Chelsea Sim <chelseasim@themasterplan.com.sg>
Subject: Re: Thank you Elisabeth! - TMS 2020

Hi Elisabeth,

Thanks so much for giving such a dynamic keynote! I know it sparked a lot of interest among participants - I received a lot of requests to be able to replay your presentation from participants, so thank you for allowing us to share to attendees!

Would you mind resharing the link to the unicorn program? I'll send a follow up email and include it in the link.

Also, I don't know if you've had a chance to meet my colleague Alexios Mantzarlis, but he's working on programs to counter immunization misinfo so I'd love to introduce you, if you're interested!

Thanks,
Irene

On Thu, Oct 8, 2020 at 11:49 AM Wilhelm, Elisabeth (CDC/DDPHSIS/CGH/GID) <nla5@cdc.gov> wrote:

Oh that makes me want to laugh hysterically.

You're talking to the new vaccine confidence strategist for USG. Send good thoughts toward me, I shall need them. □

Have a great day, Joie and colleagues!

Sincerely,

Elisabeth Wilhelm

Health Communications Specialist

| Deployed to CDC Vaccine Task Force in Vaccine Confidence Team as Vaccine Confidence Strategist

Day Job: Demand for Immunization Team, Global Immunization Division, CDC

M: (b)(6)

E: nla5@cdc.gov

From: Joie Goh <joiegoh@themasterplan.com.sg>
Sent: Wednesday, October 7, 2020 11:48 PM
To: Wilhelm, Elisabeth (CDC/DDPHSIS/CGH/GID) <nla5@cdc.gov>
Cc: Irene Jay Liu <irenejay@google.com>; trin Three <(b)(6)>; Chelsea Sim <chelseasim@themasterplan.com.sg>
Subject: Re: Thank you Elisabeth! - TMS 2020

Got it!

I hope you got to catch some ZZZ's these few days!

Joie Goh
Assistant Project Manager I The MasterPlan I m: (b)(6)

45 Jalan Pemimpin, Foo Wah Industrial Building, #07-00B, S577197

On Thu, Oct 8, 2020 at 11:44 AM Wilhelm, Elisabeth (CDC/DDPHSIS/CGH/GID) <nla5@cdc.gov> wrote:

I'm good without it, thank you for asking.

Sincerely,

Elisabeth Wilhelm

Health Communications Specialist

| Deployed to CDC Vaccine Task Force in Vaccine Confidence Team as Vaccine Confidence Strategist

Day Job: Demand for Immunization Team, Global Immunization Division, CDC

M: (b)(6)

E: nla5@cdc.gov

From: Joie Goh <joiegoh@themasterplan.com.sg>
Sent: Wednesday, October 7, 2020 11:40 PM
To: Wilhelm, Elisabeth (CDC/DDPHSIS/CGH/GID) <nla5@cdc.gov>
Cc: Irene Jay Liu <irenejay@google.com>; trin Three <(b)(6)>; Chelsea Sim <chelseasim@themasterplan.com.sg>
Subject: Re: Thank you Elisabeth! - TMS 2020

Hey Elisabeth,

Got it! Thanks for letting us know.

Would you want us to edit and send you your individual video?

Let me know!

Joie Goh
Assistant Project Manager I The MasterPlan I m: (b)(6)

45 Jalan Pemimpin, Foo Wah Industrial Building, #07-00B, S577197

On Thu, Oct 8, 2020 at 11:23 AM Wilhelm, Elisabeth (CDC/DDPHSIS/CGH/GID) <nla5@cdc.gov> wrote:

Hi Joie,

Thanks for reaching out and thanks for keeping all the plates spinning in the air for this very thoughtfully constructed event.

I got permission to present due it being a closed conference so I'm afraid I won't be able to have made it public. Closed loop works fine though.

Thanks for the kind thought of token of appreciation but I'll be unable to accept it as a US government employee.

I hope that the rest of the conference went swimmingly and that you all caught up on sleep!

Please don't hesitate to reach out if you have any further questions.

Sincerely,

Elisabeth Wilhelm

Health Communications Specialist

| Deployed to CDC Vaccine Task Force in Vaccine Confidence Team as Vaccine Confidence Strategist

Day Job: Demand for Immunization Team, Global Immunization Division, CDC

M: (b)(6)

E: nla5@cdc.gov

From: Joie Goh <joiegoh@themasterplan.com.sg>
Sent: Wednesday, October 7, 2020 1:59 AM
To: Wilhelm, Elisabeth (CDC/DDPHSIS/CGH/GID) <nla5@cdc.gov>
Cc: Irene Jay Liu <irenejay@google.com>; trin Three <(b)(6) Chelsea Sim

<chelseasim@themasterplan.com.sg>
Subject: Thank you Elisabeth! - TMS 2020

Hello Elisabeth!

Thank you again for being a part of the Trusted Media Summit. Your presentation definitely added value to our event this year!

We've a few logistical questions for you:

1. We are wondering whether you'd be ok with us taking your TMS talk and making it available to participants to view as a replay? There are a few options and we'd like to hear what you are comfortable with (we can do all or none of the following):

    - We make it available only to registered participants via a closed YT channel or some other format.
    - We edit the video and then make it available on a YT channel that is open to a more public forum
    - We edit your individual video and give it to you to post on your own platforms.

2. We'd like to send you a little token of appreciation for participating in TMS 2020.

    - Could you send us your complete mailing address for this?

Hope to hear from you soon!

Thank you

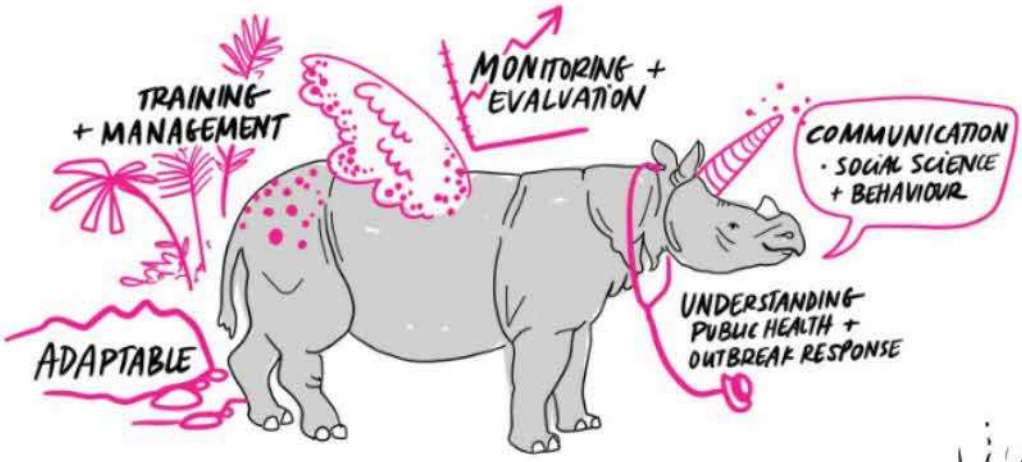
Joie Goh
Assistant Project Manager I The MasterPlan I m: (b)(6)

45 Jalan Pemimpin, Foo Wah Industrial Building, #07-00B, S577197

--

Irene Jay Liu | Google News Lab | irenejay@google.com | +65 9859 8335 | g.co/newslab

WANTED: INFODEMIC MANAGER UNICORNS



Call for applicants for 1st WHO training in infodemic management

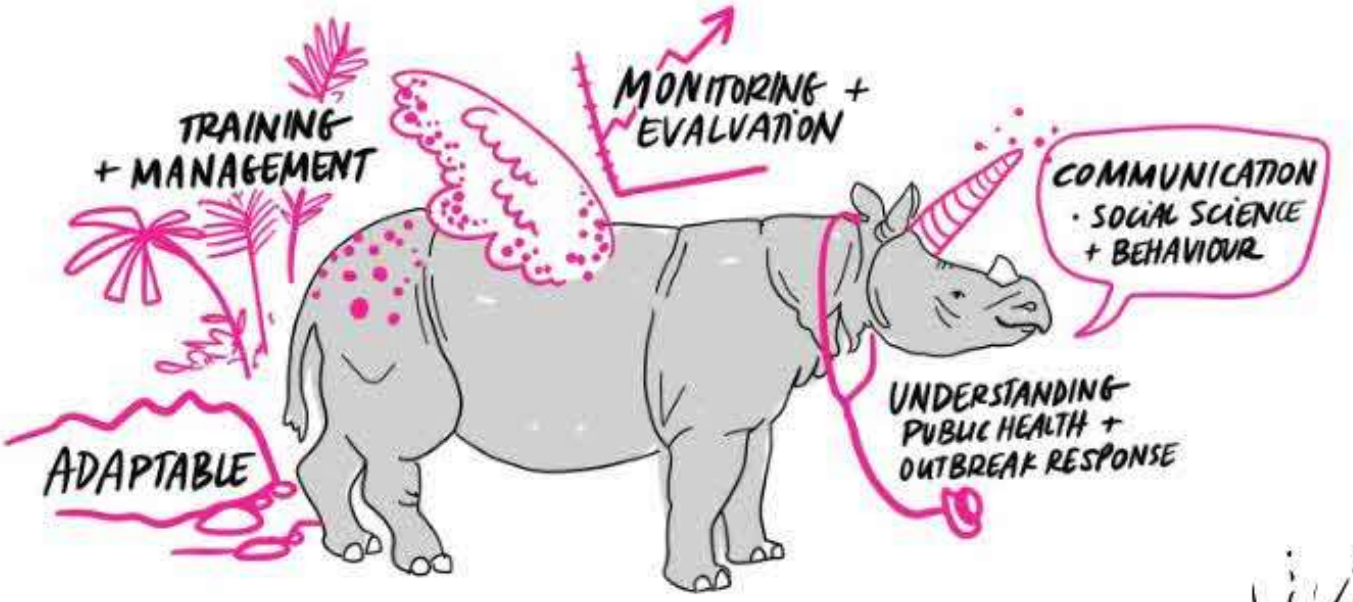
DEADLINE: OCT 18

Recruiting the first global cohort of Infodemic Managers to support health authorities in addressing the COVID-19 infodemic and strengthen community resilience against misinformation.

Hosted by World Health Organization

SCAN AND APPLY!

WANTED: INFODEMIC MANAGER UNICORNS



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From: Wilhelm, Elisabeth (CDC/DDPHSIS/CGH/GID)
Sent: Thu, 11 Jun 2020 20:14:09 +0000
To: Alexios Mantzarlis
Subject: RE: Touching base and help signal boost job opp?

We're hoping to get her involved, as her name has come up several times. □ Things are moving!

From: Alexios Mantzarlis <alexios@google.com>
Sent: Thursday, June 11, 2020 3:59 PM
To: Wilhelm, Elisabeth (CDC/DDPHSIS/CGH/GID) <nla5@cdc.gov>
Subject: Re: Touching base and help signal boost job opp?

Very exciting! sounds good. Is Wardle involved?

On Thu, Jun 11, 2020 at 3:53 PM Wilhelm, Elisabeth (CDC/DDPHSIS/CGH/GID) <nla5@cdc.gov> wrote:
Hi Alexios,

(b)(6) for getting through this pandemic in one piece. I salute you!

So, things have been moving fast, but to spare you needing to overload your calendar, I'll cut to the chase: WHO is hosting an infodemiology conference at the end of this month. Things are moving extremely fast but I thought you'd be interested in hearing more. We are establishing the scientific discipline of infodemiology, and targeting the general public for part of the conference and the rest for the leading 50 global experts working on misinformation including AI, computing, ethics, epidemiology, ux, design, media, governance and behavioral science. We'll need to get this to push back against the misinformation that threatens people's health, now and when a COVID-19 vaccine is available.

As ***soon*** as I get official info, I'll send to you! Should drop in next day or two. The conference starts June 29, virtually.

If you have any questions or are interested in a more robust role, let's talk about it. Schedule something then?

Warm regards,

Lis

From: Alexios Mantzarlis <alexios@google.com>
Sent: Thursday, June 11, 2020 3:42 PM
To: Wilhelm, Elisabeth (CDC/DDPHSIS/CGH/GID) <nla5@cdc.gov>
Subject: Re: Touching base and help signal boost job opp?

Hey Lis,

terribly sorry but it's a horrifically complicated period for calls given (b)(6) obligations too. Could you do 4p next thursday Jun 18? Excited to learn more!

On Wed, Jun 10, 2020 at 1:45 PM Wilhelm, Elisabeth (CDC/DDPHSIS/CGH/GID) <nla5@cdc.gov> wrote:
Dear Alexios,

That time has come! Are you free to speak for 15 minutes later on today? I already have (b)(6) bouncing off the walls after I spoke with him!

Happy to work about your schedule.

Lis

From: Wilhelm, Elisabeth (CDC/DDPHSIS/CGH/GID) <nla5@cdc.gov>
Sent: Saturday, June 6, 2020 1:08 PM
To: Alexios Mantzarlis <alexios@google.com>
Subject: Re: Touching base and help signal boost job opp?

Oh I suspect I will absolutely be in touch with you again soon. :)

Wishing you a wonderful weekend!

Get Outlook for iOS

From: Alexios Mantzarlis <alexios@google.com>
Sent: Saturday, June 6, 2020 12:21:33 PM
To: Wilhelm, Elisabeth (CDC/DDPHSIS/CGH/GID) <nla5@cdc.gov>
Subject: Re: Touching base and help signal boost job opp?

Hey! I'm concentrating primarily on fact-checking (launching products, partnerships and sharing data). So shout if you end up interested in this type of thing.

I have also been somewhat across a Question Hub thing that Google is working with the CDC on, I believe.

I know Harry! We're definitely of the same milieu - his org. was a signatory of the IFCN code that I oversaw.

Please do keep me posted on anything infodemiology-related. Right now I'm spinning down the COVID specific to focus primarily on election but the two are inevitably related.

Take good care,

On Fri, Jun 5, 2020 at 8:39 PM Wilhelm, Elisabeth (CDC/DDPHSIS/CGH/GID) <nla5@cdc.gov> wrote:
Hi Alexios,

Likewise! What's keeping you busy nowadays? I heard Google is on the telework-forever track?

Meanwhile, I'm spending about 60% of my time now on infodemic response at WHO, and that is the work I hope this new comms person will help support.

I met a guy in Indonesia, where I have recently been doing a lot of prep work for social inoculation implementation research with Unicef and his team, who reminded me a lot of you! His name is Harry Sufehmi who runs Mafindo, the country's leading hoax busting org and who is tight with Google colleagues locally. They did incredible work to get the country's official COVID-19 resource website up and running (and survive a lot of hacking attempts). Millions of visits in days after launch, but only step one of a long road to fill the info gap and push back against misinformation.

The infodemic unit at WHO is heating up will be running a conference in three weeks that will set the groundwork on the new scientific discipline of infodemiology. I thought you'd like hearing that. :)

Let me know if you'd like any additional info in case you have colleagues who may be interested in attending!

Wishing you a restful weekend ahead,

Lis

Get Outlook for iOS

From: Alexios Mantzarlis <alexios@google.com>
Sent: Friday, June 5, 2020 7:59:01 PM
To: Wilhelm, Elisabeth (CDC/DDPHSIS/CGH/GID) <nla5@cdc.gov>
Subject: Re: Touching base and help signal boost job opp?

great to hear from you! and I will do, pity it's only for US citizens but I guess you all have some good apples too ;)

take care

On Fri, Jun 5, 2020 at 10:38 AM Wilhelm, Elisabeth (CDC/DDPHSIS/CGH/GID) <nla5@cdc.gov> wrote:

Dear Alexios,

I hope you're settling in nicely into this gig and that you and your family are doing well.

Could you help signal boost this job announcement to your contacts (US citizens) who may be a good fit for our team in the Global Immunization Division at US CDC? We're a crackerjack international social and behavioral science team focused on improving demand for immunizations, especially in low and middle income countries through innovative

implementation research. And our latest focus is the intersection of the infodemic and its impact on vaccine acceptance, including a future COVID-19 vaccine.

I figured you might know a few folks who'd be great.

Thank you!

See link below to the health communications specialist 1 year temp position on our Demand for Immunization team with a focus on increasing Infodemic/social inoculation efforts so a premium on digital analytic skills, etc. would be great. Closing date is June 8.

Health Communications Specialist: https://www.usajobs.gov/GetJob/ViewDetails/569098400

This position requires US citizenship.

Kind regards,

Elisabeth Wilhelm

Health Communications Specialist

nla5@cdc.gov | (b)(6)

| *Supporting WHO infodemic response*

Demand for Immunization Team

Global Immunization Division (GID)

Centers for Disease Control and Prevention, Atlanta

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