

COVID-19 Trends and Impact Survey contingency tables README

I. Overview

This documentation describes the contingency tables produced by grouping COVID-19 Trends and Impact Survey individual responses by various self-reported demographic and other features of respondents.

These contingency tables provide granular breakdowns of survey responses such as vaccine uptake and acceptance. They are more detailed than the coarse aggregates reported in COVIDcast Epidata API and COVID-19 World Survey Open Data API, which are grouped by geographic region and provided on a daily basis. Individual response data for the surveys are available, but only to academic or nonprofit researchers who sign a Data Use Agreement, whereas these contingency tables are available to the general public.

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1. Available data

We currently provide data files at several levels of geographic and temporal aggregation. The reason for this is that **each file is filtered to only include estimates for a particular group if that group includes 100 or more responses**. Providing several levels of granularity allows us to provide coverage for a variety of use cases. For example, users who need the most up-to-date data or are interested in time series analysis should use the weekly files, while those who want to study groups with smaller sample sizes should use the monthly files. Because monthly aggregates include more responses, they have lower missingness when grouping by several features at a time.

The following levels of temporal and geographic aggregation are currently provided:

a. Time periods

i. Weekly

Beginning on Sundays, a full epiweek (or [MMWR week](#), a standardized numbering of weeks throughout the year).

ii. Monthly

Full calendar month.

b. Geographies

i. US

1. County
2. State
3. Country

ii. Global

1. Region (typically Admin 1-level)
2. Country or territory

2. File formats

a. Naming

Each CSV is named as follows:

```
{period_start}_{period_end}_{period_type}_{geo_type}_{aggregation_type}.csv
```

Dates are of the form `yyyyMMdd`. `period_start` refers to the first day of the time period survey responses were aggregated over, in the Pacific time zone (UTC - 7). Unless noted otherwise, the time period is always a complete month (`period_type = 'monthly'`) or epiweek (`period_type = 'weekly'`). `geo_type` is the geographic level responses were aggregated over. `aggregation_type` is a concatenation of other grouping variables used in the aggregation. Values for variables used in file naming align with those within files as specified in the column section below.

b. Columns

Within a CSV, the first few columns are the grouping variables. If a particular grouping variable is not used in the aggregation, it will be missing (null). Each aggregated indicator reports three columns (unrounded):

- i. `val_<indicator name>`: the main value of interest, e.g., percent, average, or count, estimated using the survey weights
- ii. `se_<indicator name>`: the standard error of `val_<indicator name>`
- iii. `n_<indicator name>`: the number of survey responses used to calculate `val_<indicator name>`

Column name	Description	Type
survey_geo	Survey geography (US; global)	string
period_start	First day of time period	date (yyyyMMdd)
period_end	Last day of time period	date (yyyyMMdd)
period_val	Month or week number	integer
period_type	Time period type (weekly; monthly)	string
geo_type	Geography type (US: county; state; nation // Global: region; country)	string
aggregation_type	Additional aggregation type; alphabetized concatenation of grouping variables	string
country	Country name	string
ISO_3	Three-letter ISO country code	string
GID_0	GADM level 0 ID	string
region	Region (global only)	string
GADM_1	GADM level 1 ID	string
state	State name (US only)	string
state_fips	State FIPS code (US only)	string
county	County name (US only)	string
county_fips	County FIPS code (US only)	string
grouping_var1	Grouping variable 1	string, boolean, or float
...	Additional grouping variables	
grouping_varN	Grouping variable N	string, boolean, or float
val_indicator1	Value (e.g., percentage) of indicator 1 estimate	double
se_indicator1	Standard error of indicator 1 estimate	double
sample_size_indicator1	Sample size for indicator 1 estimate	double
represented_indicator1	Weighted sample size for indicator 1 estimate	double
...	Additional indicators	
issue_date	Date on which estimates were generated	date (yyyyMMdd)

c. Missing values

Grouping variables (including `region`) will contain an empty string to represent respondents who provided one or more responses to survey items used for indicators (e.g., vaccine uptake) but who did not provide a response to the survey item used for the particular grouping variable. For example, the below would be the format for estimates for 18-24 respondents in the following groups: males, females, and respondents who did not provide a response to the gender question.

```
age,gender,val_pct_vaccinated  
18-24,Male,24.2  
18-24,Female,27.4  
18-24,,18.2
```

3. Definitions

a. Demographic & other grouping variables

Grouping variable	Description	Values
age	Age group, condensed (65-74 and 75+ groups combined for more coverage)	18-24 25-44 45-64 65+
age65plus	Age group, 65 plus (combined into two for more coverage)	Under 65 65 or older
agefull	Age group, full (as provided in survey response options)	18-24 25-34 35-44 45-54 55-64 65-74 75+
comorbidcancer	Comorbidity, cancer	TRUE FALSE
comorbiddiabetes	Comorbidity, diabetes	TRUE FALSE
comorbidheartdisease	Comorbidity, heart disease	TRUE FALSE
comorbidimmuno	Comorbidity, immunocompromised	TRUE FALSE
comorbidkidneydisease	Comorbidity, chronic kidney disease	TRUE FALSE
comorbidlungdisease	Comorbidity, chronic lung disease	TRUE FALSE
comorbidobese	Comorbidity, obesity	TRUE FALSE
edulevel	Education, level (US only)	LessThanHighSchool HighSchool SomeCollege FourYearDegree PostGraduate

Grouping variable	Description	Values
eduyears	Education, years of (global only)	0 1-6 7-12 13-15 16-30
eligible	Any vaccine-eligible conditions (cancer, chronic kidney disease, chronic lung disease, diabetes, heart disease, immunocompromised)	TRUE FALSE
eligiblepregsmokeobese	Any vaccine-eligible conditions with smoking, pregnancy, & obesity (cancer, chronic kidney disease, chronic lung disease, diabetes, heart disease, immunocompromised, obesity, pregnancy, smoking)	TRUE FALSE
gender	Gender	Male Female Other
healthcareworker	Healthcare worker	TRUE FALSE
hispanic	Hispanic	TRUE FALSE
industry	Industry (global only)	Agriculture BuyingSelling Construction Education Utilities Financial Health Manufacturing Mining PersonalServices Professional PublicAdministration Tourism Transportation Other

Grouping variable	Description	Values
occupation	Occupation (US only)	SocialService Education Arts ProtectiveService FoodService HealthcarePractitioner HealthcareSupport BuildingMaintenance PersonalCare Sales Office Construction Maintenance Production Transportation Other
pregnant	Pregnant	TRUE FALSE
race	Race (US only)	AmericanIndianAlaskaNative Asian BlackAfricanAmerican NativeHawaiianPacificIslander White MultipleOther
raceethnicity	Race / ethnicity (US only)	NonHispanicAmericanIndianAlaskaNative NonHispanicAsian NonHispanicBlackAfricanAmerican NonHispanicNativeHawaiianPacificIslander NonHispanicWhite NonHispanicMultipleOther Hispanic
smoker	Smoker	TRUE FALSE
urban	Urban	TRUE FALSE

Aggregation thresholds

As [previously mentioned](#), files are filtered to only include estimates for a particular group if that group includes 100 or more responses. Especially in the weekly aggregates, many of the state-level (US) or region-level (global) groups have been filtered out due to low sample size. In such cases, files which group estimates by a single demographic of interest (e.g., age) will likely provide more coverage.

Missing values

In addition to the above listed values, each grouping variable can contain an empty string to represent respondents who did not provide a response to a particular survey item. For example, rows which aggregate respondents who did not answer the age question will contain an empty string in the age column.

b. Indicators

The files contain weighted estimates of the value of interest (e.g., percentage) for respondents who fulfill one or several criteria (as [defined above](#)). Each row contains these estimates, as well as standard error and sample sizes, for the specified time period, geography, and demographic & other grouping variables.

See table on following page for definitions.

Category	Indicator name	Description	Definition		Survey Items		Available from	
			US	Global	US	Global	US	Global
Vaccines	accept_vaccine	Percentage who would definitely or probably choose to get vaccinated	(V3 == 'yes, definitely' V3 == 'yes, probably') / any response to V3	(V3 == 'yes, definitely' V3 == 'yes, probably') / any response to V3	V3	V3	2021-01-06	2021-01-06
Vaccines	accept_vaccine_defno	Percentage would definitely not choose to get vaccinated	V3 == 'no, definitely would not' / any response to V3	V3 == 'no, definitely would not' / any response to V3	V3	V3	2021-01-06	2021-01-06
Vaccines	accept_vaccine_defyes	Percentage who would definitely choose to get vaccinated	V3 == 'yes, definitely would' / any response to V3	V3 == 'yes, definitely would' / any response to V3	V3	V3	2021-01-06	2021-01-06
Vaccines	accept_vaccine_no_appointment_defno	Percentage who would definitely not choose to get vaccinated and who do not have an appointment	V3a == 'no, definitely would not' / any response to V3a	V3a == 'no, definitely would not' / any response to V3a	V3a	V3a	2021-05-20	2021-05-20
Vaccines	accept_vaccine_no_appointment_defyes	Percentage who would definitely choose to get vaccinated but who do not have an appointment	V3a == 'yes, definitely would' / any response to V3a	V3a == 'yes, definitely would' / any response to V3a	V3a	V3a	2021-05-20	2021-05-20
Vaccines	accept_vaccine_no_appointment_probno	Percentage who would probably not choose to get vaccinated and who do not have an appointment	V3a == 'no, probably would not' / any response to V3a	V3a == 'no, probably would not' / any response to V3a	V3a	V3a	2021-05-20	2021-05-20
Vaccines	accept_vaccine_no_appointment_probyes	Percentage who would probably choose to get vaccinated and who do not have an appointment	V3a == 'yes, probably would' / any response to V3a	V3a == 'yes, probably would' / any response to V3a	V3a	V3a	2021-05-20	2021-05-20
Vaccines	accept_vaccine_probno	Percentage would probably not choose to get vaccinated	V3 == 'no, probably would not' / any response to V3	V3 == 'no, probably would not' / any response to V3	V3	V3	2021-01-06	2021-01-06
Vaccines	accept_vaccine_probyes	Percentage who would probably choose to get vaccinated	V3 == 'yes, probably would' / any response to V3	V3 == 'yes, probably would' / any response to V3	V3	V3	2021-01-06	2021-01-06
Behavior	access_wash	Percentage of respondents with access to soap and water for washing their hands.	--	C8 == 'Yes' / any response to C8	--	C8	--	2020-06-27
Symptoms	anosmia	Percentage of respondents experiencing anosmia	B2 == 'loss of taste or smell' / any response to B2	B1_10 == 'yes' / any response to B1	B2	B1	2021-01-06	2021-01-06
Symptoms	anosmia_unusual	Percentage of respondents reporting their loss of smell or taste is new or unusual out of all respondents reporting loss of smell or taste	B2b == 'loss of smell or taste' / any response to B2b	B1b_x10 == 'yes' / B1_10 == 'yes'	B2c	B1b_x10	2020-09-08	2020-06-27
Mental Health	anxious_7d	Percentage of respondents who reported feeling "nervous, anxious, or on edge" for most or all of the past 7 days.	(C8_1 C18a == 'All of the time' C8_1 C18a == 'Most of the time') / any response to C8_1 C18a	(D1 == 'All of the time' D1 == 'Most of the time') / any response to D1	C8_1	D1	2021-03-02	2020-04-23
Vaccines	appointment_have	Percentage of people who have an appointment to get a COVID-19 vaccine conditional on being accepting	V11 = 'yes' / any response to V11	V15 == 'yes' / any response to V15	V11	V15	2021-03-02	2021-03-02

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Vaccines	appointment_have_not_vaccinated	Percentage of people who have an appointment to get vaccinated conditional on not being vaccinated.	V11a == 'yes' / (V1 == 'no' & any response to V11a)	V15a == 'yes' / (V1 == 'no' & any response to V15a)	V1, V11a	V1, V15a	2021-05-20	2021-05-20
Vaccines	appointment_or_accept_vaccine	Percentage who have an appointment or would definitely or probably choose to get vaccinated	(V11a == 'yes' (V3a == 'yes, definitely' V3a == 'yes, probably')) / (any response to V3a V11a == 'yes')	(V15a == 'yes' (V3a == 'yes, definitely' V3a == 'yes, probably')) / (any response to V3a V15a == 'yes')	V3a, V11a	V3a, V15a	2021-05-20	2021-05-20
Vaccines	appointment_tried	Percentage of people without an appointment who have tried to get one conditional on being accepting	V12 == 'yes' / any response to V12	V16 == 'yes' / any response to V16	V12	V16	2021-03-02	2021-03-02
Vaccines	barrier_cost	Percentage of all respondents to V5a, V5b, and V5c who are concerned about the cost of a COVID-19 vaccine	(V5a V5b V5c == 'I am concerned about the cost of a COVID-19 vaccine.') / (any response to V5a V5b V5c)	(V5a V5b V5c == 'I am concerned about the cost of a COVID-19 vaccine.') / (any response to V5a V5b V5c)	V5a, V5b, V5c	V5a, V5b, V5c	2021-02-09	2021-02-06
Vaccines	barrier_dislike_vaccines	Percentage of all respondents to V5a, V5b, and V5c who don't like vaccines	(V5a V5b V5c == 'I don't like vaccines.') / (any response to V5a V5b V5c)	(V5a V5b V5c == 'I don't like vaccines.') / (any response to V5a V5b V5c)	V5a, V5b, V5c	V5a, V5b, V5c	2021-02-09	2021-02-06
Vaccines	barrier_distrust_govt	Percentage of all respondents to V5a, V5b, and V5c who don't trust the government	(V5a V5b V5c == 'I don't trust the government.') / (any response to V5a V5b V5c)	(V5a V5b V5c == 'I don't trust the government.') / (any response to V5a V5b V5c)	V5a, V5b, V5c	V5a, V5b, V5c	2021-02-09	2021-02-06
Vaccines	barrier_dontneed	Percentage of all respondents to V5a, V5b, and V5c who don't believe they need a COVID-19 vaccine	(V5a V5b V5c == 'I don't believe I need a COVID-19 vaccine.') / (any response to V5a V5b V5c)	(V5a V5b V5c == 'I don't believe I need a COVID-19 vaccine.') / (any response to V5a V5b V5c)	V5a, V5b, V5c	V5a, V5b, V5c	2021-02-09	2021-02-06
Vaccines	barrier_ineffective	Percentage of all respondents to V5a, V5b, and V5c who don't know if a COVID-19 vaccine will work	(V5a V5b V5c == 'I don't know if a COVID-19 vaccine will work.') / (any response to V5a V5b V5c)	(V5a V5b V5c == 'I don't know if a COVID-19 vaccine will work.') / (any response to V5a V5b V5c)	V5a, V5b, V5c	V5a, V5b, V5c	2021-02-09	2021-02-06
Vaccines	barrier_low_priority	Percentage of all respondents to V5a, V5b, and V5c who think other people need it more than they do right now	(V5a V5b V5c == 'I think other people need it more than I do right now.') / (any response to V5a V5b V5c)	(# V5a, V5b, or V5c: "I think other people need it more than I do right now.") / (# V5a, V5b, or V5c any response)	V5a, V5b, V5c	V5a, V5b, V5c	2021-02-09	2021-02-06
Vaccines	barrier_other	Percentage of all respondents to V5a, V5b, and V5c who have a another barrier to choosing to get a COVID-19 vaccine	(V5a V5b V5c == 'Other.') / (any response to V5a V5b V5c)	(V5a V5b V5c == 'Other.') / (any response to V5a V5b V5c)	V5a, V5b, V5c	V5a, V5b, V5c	2021-02-09	2021-02-06
Vaccines	barrier_reason_cost	Percentage of respondents who list the cost of the vaccine as a reason they would not get the vaccine	V5a V5b V5c V5d == 'I am concerned about the cost of a COVID-19 vaccine' / any response to V5a V5b V5c V5d	V5a V5b V5c V5d == 'I am concerned about the cost of a COVID-19 vaccine' / any response to V5a V5b V5c V5d	V5a/b/c/d	V5a_7,V5b_7,V5c_7, V5d_7	2021-02-08	2021-02-05
Vaccines	barrier_reason_dontbelieve	Percentage of respondents who list that they don't believe in vaccines as a reason they would not choose to get the vaccine	V5a V5b V5c V5d == 'I don't believe I need a COVID-19 vaccine' / any response to V5a V5b V5c V5d	V5a V5b V5c V5d == 'I don't believe I need a COVID-19 vaccine' / any response to V5a V5b V5c V5d	V5a/b/c/d	V5a_3,V5b_3,V5c_3, V5d_3	2021-02-08	2021-02-05
Vaccines	barrier_reason_dontlike	Percentage of respondents who list that they don't like vaccines as a reason they would not choose to get the vaccine	V5a V5b V5c V5d == 'I don't like vaccines' / any response to V5a V5b V5c V5d	V5a V5b V5c V5d == 'I don't like vaccines' / any response to V5a V5b V5c V5d	V5a/b/c/d	V5a_4,V5b_4,V5c_4, V5d_4	2021-02-08	2021-02-05

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Vaccines	barrier_reason_dontneed_alreadyhad	Percentage of respondents who do not believe they need a COVID-19 vaccine because they already had the COVID-19 virus.	V6 == 'I already had COVID-19' / any response to V6	V6 == 'I already had COVID-19' / any response to V6	V6	V6	2021-02-08	2021-02-05
Vaccines	barrier_reason_dontneed_dontspendtime	Percentage of respondents who do not believe they need a COVID-19 vaccine because they do not spend time with any high-risk people.	V6 == 'I do not spend time with any high-risk group' / any response to V6	V6 == 'I do not spend time with any high-risk group' / any response to V6	V6	V6	2021-02-08	2021-02-05
Vaccines	barrier_reason_dontneed_notbeneficial	Percentage of respondents who do not believe they need a COVID-19 vaccine because they do not think vaccines are beneficial.	V6 == 'I don't think vaccines are beneficial' / any response to V6	V6 == 'I don't think vaccines are beneficial' / any response to V6	V6	V6	2021-02-08	2021-02-05
Vaccines	barrier_reason_dontneed_nothighrisk	Percentage of respondents who do not believe they need a COVID-19 vaccine because they are not part of a high-risk group.	V6 == 'I am not a member of a high-risk group' / any response to V6	V6 == 'I am not a member of a high-risk group' / any response to V6	V6	V6	2021-02-08	2021-02-05
Vaccines	barrier_reason_dontneed_notserious	Percentage of respondents who do not believe they need a COVID-19 vaccine because they do not believe COVID-19 is a serious illness.	V6 == 'I don't believe COVID-19 is a serious illness' / any response to V6	V6 == 'I don't believe COVID-19 is a serious illness' / any response to V6	V6	V6	2021-02-08	2021-02-05
Vaccines	barrier_reason_dontneed_other	Percentage of respondents who do not believe they need a COVID-19 vaccine because of other reasons which are not listed.	V6 == 'Other' / any response to V6	V6 == 'Other' / any response to V6	V6	V6	2021-02-08	2021-02-05
Vaccines	barrier_reason_dontneed_takeprecautions	Percentage of respondents who do not believe they need a COVID-19 vaccine because they plan to use masks or other precautions instead.	V6 == 'I plan to use masks or other precautions instead' / any response to V6	V6 == 'I plan to use masks or other precautions instead' / any response to V6	V6	V6	2021-02-08	2021-02-05
Vaccines	barrier_reason_government	Percentage of respondents who list lack of trust for the government as a reason they would not get the vaccine	V5a V5b V5c V5d == 'I don't trust the government' / any response to V5a V5b V5c V5d	V5a V5b V5c V5d == 'I don't trust the government' / any response to V5a V5b V5c V5d	V5a/b/c/d	V5a_10,V5b_10,V5c_10	2021-02-08	2020-03-01
Vaccines	barrier_reason_other	Percentage of respondents who list "other" as a reason they would not get the vaccine	V5a V5b V5c V5d == 'Other' / any response to V5a V5b V5c V5d	V5a V5b V5c V5d == 'Other' / any response to V5a V5b V5c V5d	V5a/b/c/d	V5a_9,V5b_9,V5c_9	2021-02-08	2021-02-05
Vaccines	barrier_reason_otherpeople	Percentage of respondents who list that other people need it more as a reason they would not get the vaccine	V5a V5b V5c V5d == 'I think other people need it more than I do right now' / any response to V5a V5b V5c V5d	V5a V5b V5c V5d == 'I think other people need it more than I do right now' / any response to V5a V5b V5c V5d	V5a/b/c/d	V5a_6,V5b_6,V5c_6,V5d_6	2021-02-08	2021-02-05
Vaccines	barrier_reason_religious	Percentage of respondents who list religious reasons as a reason they would not get the vaccine	V5a V5b V5c V5d == 'It is against my religious beliefs' / any response to V5a V5b V5c V5d	V5a V5b V5c V5d == 'It is against my religious beliefs' / any response to V5a V5b V5c V5d	V5a/b/c/d	V5a_8,V5b_8,V5c_8,V5d_8	2021-02-08	2021-02-05
Vaccines	barrier_reason_side_effects	Percentage of respondents who list concerns about possible side effects as a reason they would not choose to get the vaccine	V5a V5b V5c V5d == 'I am concerned about possible side effects of a COVID-19 vaccine' / any response to V5a V5b V5c V5d	V5a V5b V5c V5d == 'I am concerned about possible side effects of a COVID-19 vaccine' / any response to V5a V5b V5c V5d	V5a/b/c/d	V5a_1,V5b_1,V5c_1,V5d_1	2021-02-08	2021-02-05

Vaccines	barrier_reason_waitlater	Percentage of respondents who list that they will wait and see as a reason they would not get the vaccine	V5a V5b V5c V5d == 'I plan to wait and see if it is safe and may get it later' / any response to V5a V5b V5c V5d	V5a V5b V5c V5d == 'I plan to wait and see if it is safe and may get it later' / any response to V5a V5b V5c V5d	V5a/b/c/d	V5a_5,V5b_5,V5c_5,V5d_5	2021-02-08	2021-02-05
Vaccines	barrier_reason_wontwork	Percentage of respondents who list concerns that the vaccine won't work as a reason they would not choose to get the vaccine	V5a V5b V5c V5d == 'I don't know if a COVID-19 vaccine will work' / any response to V5a V5b V5c V5d	V5a V5b V5c V5d == 'I don't know if a COVID-19 vaccine will work' / any response to V5a V5b V5c V5d	V5a/b/c/d	V5a_2,V5b_2,V5c_2,V5d_2	2021-02-08	2021-02-05
Vaccines	barrier_religious	Percentage of all respondents to V5a, V5b, and V5c who say a COVID-19 vaccine is against their religious beliefs	(V5a V5b V5c == 'It is against my religious beliefs.') / (any response to V5a V5b V5c)	(V5a V5b V5c == 'It is against my religious beliefs.') / (any response to V5a V5b V5c)	V5a, V5b, V5c	V5a, V5b, V5c	2021-02-09	2021-02-06
Vaccines	barrier_sideeffects	Percentage of all respondents to V5a, V5b, and V5c who are concerned about possible side effects of a COVID-19 vaccine	(V5a V5b V5c == 'I am concerned about possible side effects of a COVID-19 vaccine.') / (any response to V5a V5b V5c)	(V5a V5b V5c == 'I am concerned about possible side effects of a COVID-19 vaccine.') / (any response to V5a V5b V5c)	V5a, V5b, V5c	V5a, V5b, V5c	2021-02-09	2021-02-06
Vaccines	barrier_wait_safety	Percentage of all respondents to V5a, V5b, and V5c who plan to wait and see if it is safe and may get it later	(V5a V5b V5c == 'I plan to wait and see if it is safe and may get it later.') / (any response to V5a V5b V5c)	(V5a V5b V5c == 'I plan to wait and see if it is safe and may get it later.') / (any response to V5a V5b V5c)	V5a, V5b, V5c	V5a, V5b, V5c	2021-02-09	2021-02-06
Module A	belief_children_immune	Percentage of people who indicate that "Children cannot get COVID-19" is definitely or probably true.	(I2 == 'Definitely true' I2 == 'Probably true') / any response to I2	(I2 == 'Definitely true' I2 == 'Probably true') / any response to I2	I2	I2	2021-05-20	2021-05-20
Module A	belief_distancing_effective	Percentage of people who believe social distancing is either very or moderately effective for preventing the spread of COVID-19	(G2 == 'Very effective' G2 == 'Moderately effective') / any response to G2	(G2 == 'Very effective' G2 == 'Moderately effective') / any response to G2	G2	G2	2021-05-20	2021-05-20
Module A	belief_masking_effective	Percentage of people who believe that wearing a face mask is very or moderately effective for preventing the spread of COVID-19	(G3 == 'Very effective' G3 == 'Moderately effective') / any response to G3	(G3 == 'Very effective' G3 == 'Moderately effective') / any response to G3	G3	G3	2021-05-20	2021-05-20
Module A	belief_no_spread_hot_humid	Percentage of people who indicate that "COVID-19 cannot spread in hot and humid climates" definitely or probably true	--	(I8 == 'Definitely true' I8 == 'Probably true') / any response to I8	--	I8	2021-05-20	2021-05-20
Module A	belief_vaccinated_mask_unnecessary	Percentage of people who indicate that "Getting the COVID-19 vaccine means that you can stop wearing a mask around people outside your household." is definitely or probably true	(I1 == 'Definitely true' I1 == 'Probably true') / any response to I1	(I1 == 'Definitely true' I1 == 'Probably true') / any response to I1	I1	I1	2021-05-20	2021-05-20
CLI/ILI	cli	Percentage with COVID-like illness	B2 == 'fever' & (B2 == 'cough' B2 == 'shortness of breath' B2 == 'difficulty breathing') / any response to B2	B1 == 'fever' AND (B1 == 'cough' B1 == 'shortness of breath' B1 == 'difficulty breathing') / any response to B1	B2	B1	2021-01-06	2021-01-06
Symptoms	cmty_covid	Percentage of respondents that report knowing someone that is sick with a	--	B3 == 'yes' / any response to B3	--	B3	--	2020-04-23

		fever and either a cough or difficulty breathing						
Behavior	contact	Percentage of respondents reporting that they had direct contact with a person that they were not staying with in the last 24 hours	--	C1_m == 'yes' / any response to C1_m	--	C1_m	2020-04-06	2020-04-23
Behavior	contact_people_1_to_4	Of those respondents that reported having direct contact with a person not staying with them in the last 24 hours, the percentage that had contact with 1-4 people	--	C2 == '1-4 people' / any response to C2	--	C2	--	2020-04-23
Behavior	contact_people_10_to_19	Of those respondents that reported having direct contact with a person not staying with them in the last 24 hours, the percentage that had contact with 10-19 people	--	C2 == '10-19 people' / any response to C2	--	C2	--	2020-04-23
Behavior	contact_people_20_more	Of those respondents that reported having direct contact with a person not staying with them in the last 24 hours, the percentage that had contact with 20 or more people	--	C2 == '20 or more people' / any response to C2	--	C2	--	2020-04-23
Behavior	contact_people_5_to_9	Of those respondents that reported having direct contact with a person not staying with them in the last 24 hours, the percentage that had contact with 5-9 people	--	C2 == '5-9 people' / any response to C2	--	C2	--	2020-04-23
Module A	covid_vaccinated_friends	Percentage of people who reported that all or most of their friends and family have gotten a COVID-19 vaccine	(H3 == 'All of the people' H3 == 'Most people') / any response to H3	(H3 == 'All of the people' H3 == 'Most people') / any response to H3	H3	H3	2021-05-20	2021-05-20
Vaccines	defno_barrier_cost	Percentage of respondents who would definitely not choose to get vaccinated AND who are concerned about the cost of a COVID-19 vaccine	(V5c == 'I am concerned about the cost of a COVID-19 vaccine.') / (any response to V5c)	(V5a == 'I am concerned about the cost of a COVID-19 vaccine.') / (any response to V5a)	V5c	V5a	2021-02-09	2021-02-06
Vaccines	defno_barrier_dislike_vaccines	Percentage of respondents who would definitely not choose to get vaccinated AND who don't like vaccines	(V5c == 'I don't like vaccines.') / (any response to V5c)	(V5a == 'I don't like vaccines.') / (any response to V5a)	V5c	V5a	2021-02-09	2021-02-06
Vaccines	defno_barrier_dontneed	Percentage of respondents who would definitely not choose to get vaccinated AND who don't believe they need a COVID-19 vaccine	(V5c == 'I don't believe I need a COVID-19 vaccine.') / (any response to V5c)	(V5a == 'I don't believe I need a COVID-19 vaccine.') / (any response to V5a)	V5c	V5a	2021-02-09	2021-02-06
Vaccines	defno_barrier_ineffective	Percentage of respondents who would definitely not choose to get vaccinated AND who don't know if a COVID-19 vaccine will work	(V5c == 'I don't know if a COVID-19 vaccine will work.') / (any response to V5c)	(V5a == 'I don't know if a COVID-19 vaccine will work.') / (any response to V5a)	V5c	V5a	2021-02-09	2021-02-06

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Vaccines	defno_barrier_low_priority	Percentage of respondents who would definitely not choose to get vaccinated AND who think other people need it more than they do right now	(V5c == 'I think other people need it more than I do right now.')	(V5a == 'I think other people need it more than I do right now.')	V5c	V5a	2021-02-09	2021-02-06
Vaccines	defno_barrier_other	Percentage of respondents who would definitely not choose to get vaccinated AND V6 who have a another barrier to choosing to get a COVID-19 vaccine	(V5c == 'Other.')	(V5a == 'Other.')	V5c	V5a	2021-02-09	2021-02-06
Vaccines	defno_barrier_religious	Percentage of respondents who would definitely not choose to get vaccinated AND who say a COVID-19 vaccine is against their religious beliefs	(V5c == 'It is against my religious beliefs.')	(V5a == 'It is against my religious beliefs.')	V5c	V5a	2021-02-09	2021-02-06
Vaccines	defno_barrier_sideeffects	Percentage of respondents who would definitely not choose to get vaccinated and who are concerned about possible side effects of a COVID-19 vaccine	(V5c == 'I am concerned about possible side effects of a COVID-19 vaccine.')	(V5a == 'I am concerned about possible side effects of a COVID-19 vaccine.')	V5c	V5a	2021-02-09	2021-02-06
Vaccines	defno_barrier_wait_safety	Percentage of respondents who would definitely not choose to get vaccinated AND who plan to wait and see if it is safe and may get it later	(V5c == 'I plan to wait and see if it is safe and may get it later.')	(V5a == 'I plan to wait and see if it is safe and may get it later.')	V5c	V5a	2021-02-09	2021-02-06
Vaccines	defno_dontneed_reason_dont_spend_time	Percentage of respondents who would definitely not choose to get vaccinated who responded to V5c AND V6 who do not spend time with any high-risk people	((V5c == 'I don't believe I need a COVID-19 vaccine.') & (V6 == 'I do not spend time with any high-risk people.'))/ (any response to V5c & any response to V6)	((V5a == 'I don't believe I need a COVID-19 vaccine.') & (V6 == 'I do not spend time with any high-risk people.'))/ (any response to V5a & any response to V6)	V5c, V6	V5a, V6	2021-02-09	2021-02-06
Vaccines	defno_dontneed_reason_had_covid	Percentage of respondents who would definitely not choose to get vaccinated who responded to V5c AND V6 who have already had COVID-19	((V5c == 'I don't believe I need a COVID-19 vaccine.') & (V6 == 'I already had COVID-19.'))/ (any response to V5c & any response to V6)	((V5a == 'I don't believe I need a COVID-19 vaccine.') & (V6 == 'I already had COVID-19.'))/ (any response to V5a & any response to V6)	V5c, V6	V5a, V6	2021-02-09	2021-02-06
Vaccines	defno_dontneed_reason_not_beneficial	Percentage of respondents who would definitely not choose to get vaccinated who responded to V5c AND V6 who don't think vaccines are beneficial	((V5c == 'I don't believe I need a COVID-19 vaccine.') & (V6 == 'I don't think vaccines are beneficial.'))/ (any response to V5c & any response to V6)	((V5a == 'I don't believe I need a COVID-19 vaccine.') & (V6 == 'I don't think vaccines are beneficial.'))/ (any response to V5a & any response to V6)	V5c, V6	V5a, V6	2021-02-09	2021-02-06
Vaccines	defno_dontneed_reason_not_high_risk	Percentage of respondents who would definitely not choose to get vaccinated who responded to V5c AND V6 who are not a member of a high-risk group	((V5c == 'I don't believe I need a COVID-19 vaccine.') & (V6 == 'I am not a member of a high-risk group.'))/ (any response to V5c & any response to V6)	((V5a == 'I don't believe I need a COVID-19 vaccine.') & (V6 == 'I am not a member of a high-risk group.'))/ (any response to V5a & any response to V6)	V5c, V6	V5a, V6	2021-02-09	2021-02-06
Vaccines	defno_dontneed_reason_not_serious_illness	Percentage of respondents who would definitely not choose to get vaccinated who responded to V5c AND V6 who don't believe COVID-19 is a serious illness	((V5c == 'I don't believe I need a COVID-19 vaccine.') & (V6 == 'I don't believe COVID-19 is a serious illness.'))/ (any response to V5c & any response to V6)	((V5a == 'I don't believe I need a COVID-19 vaccine.') & (V6 == 'I don't believe COVID-19 is a serious illness.'))/ (any response to V5a & any response to V6)	V5c, V6	V5a, V6	2021-02-09	2021-02-06

Vaccines	defno_dontneed_reason_o ther	Percentage of respondents who would definitely not choose to get vaccinated who responded to V5c AND V6 who don't think believe they need a COVID-19 vaccine for another reason	((V5c == 'I don't believe I need a COVID-19 vaccine.') & (V6 == 'Other'))/ (V5c == any response & V6 == any response)	((V5a == 'I don't believe I need a COVID-19 vaccine.') & (V6 == 'Other'))/ (V5a == any response & V6 == any response)	V5c, V6	V5a, V6	2021-02-09	2021-02-06
Vaccines	defno_dontneed_reason_ precautions	Percentage of respondents who would definitely not choose to get vaccinated who responded to V5c AND V6 who plan to use masks or other precautions instead	((V5c == 'I don't believe I need a COVID-19 vaccine.') & (V6 == 'I plan to use masks or other precautions instead.')) / (any response to V5c & any response to V6)	((V5a == 'I don't believe I need a COVID-19 vaccine.') & (V6 == 'I plan to use masks or other precautions instead.')) / (any response to V5a & any response to V6)	V5c, V6	V5a, V6	2021-02-09	2021-02-06
Healthcare	delayed_care_cost	Percentage of respondents who have not sought medical care in the past year because of cost	K1 == 'Yes' / any response to K1	K1 == 'Yes' / any response to K1	K1	K1	2021-05-20	2021-05-20
Mental Health	depressed_7d	Percentage of respondents who reported feeling depressed for most or all of the past 7 days	(C8_2 C18b == 'All of the time' C8_2 C18b == 'Most of the time') / any response to C8_2 C18b	(D2 == 'All of the time' D2 == 'Most of the time') / any response to D2	C8_2	D2	2021-03-02	2020-04-23
Contact	direct_contact	Percentage of respondents that have reported having had direct contact with people not staying with them.	respondent = someone who answered any of the four contact types # (responses to at least one contact type > 0) / # (responses to at least one contact type)	C1_m == 'yes' / any response to C1_m	C10	C1_m	2021-04-06	2021-01-06
Vaccines	dontneed_reason_dont_sp end_time	Percentage of all respondents to (V5a, V5b, OR V5c) AND V6 who do not spend time with any high-risk people	((V5a V5b V5c == 'I don't believe I need a COVID-19 vaccine.') & (V6 == 'I do not spend time with any high-risk people.')) / (any response to V5a V5b V5c & any response to V6)	((V5a V5b V5c == 'I don't believe I need a COVID-19 vaccine.') & (V6 == 'I do not spend time with any high-risk people.')) / (any response to V5a V5b V5c & any response to V6)	V5a, V5b, V5c, V6	V5a, V5b, V5c, V6	2021-02-09	2021-02-06
Vaccines	dontneed_reason_had_co vid	Percentage of all respondents to (V5a, V5b, OR V5c) AND V6 who have already had COVID-19	((V5a V5b V5c == 'I don't believe I need a COVID-19 vaccine.') & (V6 == 'I already had COVID-19.')) / (any response to V5a V5b V5c & any response to V6)	((V5a V5b V5c == 'I don't believe I need a COVID-19 vaccine.') & (V6 == 'I already had COVID-19.')) / (any response to V5a V5b V5c & any response to V6)	V5a, V5b, V5c, V6	V5a, V5b, V5c, V6	2021-02-09	2021-02-06
Vaccines	dontneed_reason_not_be neficial	Percentage of all respondents to (V5a, V5b, OR V5c) AND V6 who don't think vaccines are beneficial	((V5a V5b V5c == 'I don't believe I need a COVID-19 vaccine.') & (V6 == 'I don't think vaccines are beneficial.')) / (any response to V5a V5b V5c & any response to V6)	((V5a V5b V5c == 'I don't believe I need a COVID-19 vaccine.') & (V6 == 'I don't think vaccines are beneficial.')) / (any response to V5a V5b V5c & any response to V6)	V5a, V5b, V5c, V6	V5a, V5b, V5c, V6	2021-02-09	2021-02-06
Vaccines	dontneed_reason_not_hig h_risk	Percentage of all respondents to (V5a, V5b, OR V5c) AND V6 who are not a member of a high-risk group	((V5a V5b V5c == 'I don't believe I need a COVID-19 vaccine.') & (V6 == 'I am not a member of a high-risk group.')) / (any response to V5a V5b V5c & any response to V6)	((V5a V5b V5c == 'I don't believe I need a COVID-19 vaccine.') & (V6 == 'I am not a member of a high-risk group.')) / (any response to V5a V5b V5c & any response to V6)	V5a, V5b, V5c, V6	V5a, V5b, V5c, V6	2021-02-09	2021-02-06

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Vaccines	dontneed_reason_not_serious	Percentage of all respondents to (V5a, V5b, OR V5c) AND V6 who don't believe COVID-19 is a serious illness	((V5a, V5b, or V5c == 'I don't believe I need a COVID-19 vaccine.') & (V6 == 'I don't believe COVID-19 is a serious illness.')) / (any response to V5a V5b V5c & any response to V6)	((V5a, V5b, or V5c == 'I don't believe I need a COVID-19 vaccine.') & (V6 == 'I don't believe COVID-19 is a serious illness.')) / (any response to V5a V5b V5c & any response to V6)	V5a, V5b, V5c, V6	V5a, V5b, V5c, V6	2021-02-09	2021-02-06
Vaccines	dontneed_reason_other	Percentage of all respondents to (V5a, V5b, OR V5c) AND V6 who don't think believe they need a COVID-19 vaccine for another reason	((V5a V5b V5c == 'I don't believe I need a COVID-19 vaccine.') & (V6 == 'Other.')) / (any response to V5a V5b V5c & any response to V6)	((V5a V5b V5c == 'I don't believe I need a COVID-19 vaccine.') & (V6 == 'Other.')) / (any response to V5a V5b V5c & any response to V6)	V5a, V5b, V5c, V6	V5a, V5b, V5c, V6	2021-02-09	2021-02-06
Vaccines	dontneed_reason_precautions	Percentage of all respondents to (V5a, V5b, OR V5c) AND V6 who plan to use masks or other precautions instead	((V5a V5b V5c == 'I don't believe I need a COVID-19 vaccine.') & (V6 == 'I plan to use masks or other precautions instead.')) / (any response to V5a V5b V5c & any response to V6)	((V5a V5b V5c == 'I don't believe I need a COVID-19 vaccine.') & (V6 == 'I plan to use masks or other precautions instead.')) / (any response to V5a V5b V5c & any response to V6)	V5a, V5b, V5c, V6	V5a, V5b, V5c, V6	2021-02-09	2021-02-06
Testing	ever_tested	Percentage of people who report having been tested for COVID-19	B8 == 'yes' / any response to B8	B6 == 'yes' / any response to B6	B8	B6	2020-09-08	2020-04-23
Economy	finance	Percentage of respondents who report being very or somewhat worried about their "household's finances for the next month"	(C15 == 'very worried' C15 == 'somewhat worried') / any response to C15	(D5 == 'very worried' D5 == 'somewhat worried') / any response to D5	C15	D5	2020-09-08	2020-05-01
Economy	finance_worry_health_covid	Percentage of respondents who report their financial worry is due to healthcare costs related to COVID-19 among those respondents that report being very or somewhat worried about their household's finances in the next month	--	D6_2 == 'yes' / any response to D6	--	D6_2	--	2020-09-18
Economy	finance_worry_health_not_covid	Percentage of respondents who report their financial worry is due to healthcare costs NOT related to COVID-19 among those respondents that report being very or somewhat worried about their household's finances in the next month	--	D6_3 == 'yes' / any response to D6	--	D6_3	--	2020-09-18
Economy	finance_worry_income_losses	Percentage of respondents who report their financial worry is due to loss of income among those respondents that report being very or somewhat worried about their household's finances in the next month	--	D6_1 == 'yes' / any response to D6	--	D6_1	--	2020-09-18
Vaccines	flu_vaccine_2019	Percentage of respondents who have received a flu vaccine between June 2019 and February 2020, out of those that have not gotten one since June 2020.	--	C12 == 'yes' / any response to C12	--	C12	--	2020-11-23

Vaccines	flu_vaccine_cost	Percentage of respondents who will not or will probably not get a flu vaccine because of cost	--	C11_no_1 C11_unsure_1 == 'yes' / any response to C11_no_1 C11_unsure_1	--	C11_no_1, C11_unsure_1	--	2020-11-23
Vaccines	flu_vaccine_have	Percentage of respondents who have received a flu vaccination since June 2020	C2 == 'yes' / responses to C2	C9 C9a == 'yes' / any response to C9 C9a	C2	C9/C9a	2020-04-06	2020-11-23
Vaccines	flu_vaccine_inconvenience	Percentage of respondents who will not or will probably not get a flu vaccine because of inconvenience	--	C11_no_2 C11_unsure_2 == 'yes' / any response to C11_no_2 C11_unsure_2	--	C11_no_2, C11_unsure_2	--	2020-11-23
Vaccines	flu_vaccine_never	Percentage of respondents who will not or will probably not get a flu vaccine because they never get a flu vaccine	--	C11_no_6 C11_unsure_6 == 'yes' / any response to C11_no_6 C11_unsure_6	--	C11_no_6, C11_unsure_6	--	2020-11-23
Vaccines	flu_vaccine_not_important	Percentage of respondents who will not or will probably not get a flu vaccine because of they don't think that getting the flu vaccine is important	--	C11_no_4 C11_unsure_4 == 'yes' / any response to C11_no_4 C11_unsure_4	--	C11_no_4, C11_unsure_4	--	2020-11-23
Vaccines	flu_vaccine_other	Percentage of respondents who will not or will probably not get a flu vaccine because of another reason	--	C11_no_7 C11_unsure_7 == 'yes' / any response to C11_no_7 C11_unsure_7	--	C11_no_7, C11_unsure_7	--	2020-11-23
Vaccines	flu_vaccine_plan	Percentage of respondents who have not yet received a flu vaccine who plan to receive a flu vaccination by the end of January 2021	C17 == 'yes' / responses to C17	C10 == 'yes' / any response to C10	C17	C10	2020-11-24	2020-11-23
Vaccines	flu_vaccine_unsure	Percentage of respondents who will not or will probably not get a flu vaccine but they are unsure why	--	C11_no_5 C11_unsure_5 == 'yes' / any response to C11_no_5 C11_unsure_5	--	C11_no_5, C11_unsure_5	--	2020-11-23
Vaccines	flu_vaccine_where	Percentage of respondents who will not or will probably not get a flu vaccine because of unsure where to get vaccine	--	C11_no_3 C11_unsure_3 == 'yes' / any response to C11_no_3 C11_unsure_3	--	C11_no_3, C11_unsure_3	--	2020-11-23
Economy	food_security	Percentage of respondents who are very worried or somewhat worried about having enough to eat in the next week.	--	(D4 == 'very worried' D4 == 'somewhat worried') / any response to D4	--	D4	--	2020-04-23
Symptoms	had_covid	Percentage of people reporting having had COVID-19	B13 == 'yes' / any response to B13	B0 == 'yes' / any response to B0	B13	B0	2021-05-20	2021-05-20
Vaccines	hesitant_barrier_cost	Percentage of all hesitant respondents to V5 who are concerned about the cost of a COVID-19 vaccine	(V5b V5c == 'I am concerned about the cost of a COVID-19 vaccine.') / (any response to V5b V5c)	(V5a V5b == 'I am concerned about the cost of a COVID-19 vaccine.') / (any response to V5a V5b)	V5b, V5c	V5a, V5b	2021-02-09	2021-02-06
Vaccines	hesitant_barrier_dislike_vaccines	Percentage of all hesitant respondents to V5 who don't like vaccines	(V5b V5c == 'I don't like vaccines.') / (any response to V5b V5c)	(V5a V5b == 'I don't like vaccines.') / (any response to V5a V5b)	V5b, V5c	V5a, V5b	2021-02-09	2021-02-06
Vaccines	hesitant_barrier_distrust_govt	Percentage of all hesitant respondents to V5 who don't trust the government	(V5b V5c == 'I don't trust the government.') / (any response to V5b V5c)	(V5a V5b == 'I don't trust the government.') / (any response to V5a V5b)	V5b, V5c	V5a, V5b	2021-02-09	2021-02-06

Vaccines	hesitant_barrier_dontneed	Percentage of all hesitant respondents to V5 who don't believe they need a COVID-19 vaccine	(V5b V5c == 'I don't believe I need a COVID-19 vaccine.') / (any response to V5b V5c)	(V5a V5b == 'I don't believe I need a COVID-19 vaccine.') / (any response to V5a V5b)	V5b, V5c	V5a, V5b	2021-02-09	2021-02-06
Vaccines	hesitant_barrier_ineffective	Percentage of all hesitant respondents to V5 who don't know if a COVID-19 vaccine will work	(V5b V5c == 'I don't know if a COVID-19 vaccine will work.') / (any response to V5b V5c)	(V5a V5b == 'I don't know if a COVID-19 vaccine will work.') / (any response to V5a V5b)	V5b, V5c	V5a, V5b	2021-02-09	2021-02-06
Vaccines	hesitant_barrier_low_priority	Percentage of all hesitant respondents to V5 who think other people need it more than they do right now	(V5b V5c == 'I think other people need it more than I do right now.') / (any response to V5b V5c)	(V5a V5b == 'I think other people need it more than I do right now.') / (any response to V5a V5b)	V5b, V5c	V5a, V5b	2021-02-09	2021-02-06
Vaccines	hesitant_barrier_other	Percentage of all hesitant respondents to V5 who have another barrier to choosing to get a COVID-19 vaccine	(V5b V5c == 'Other.') / (any response to V5b V5c)	(V5a V5b == 'Other.') / (any response to V5a V5b)	V5b, V5c	V5a, V5b	2021-02-09	2021-02-06
Vaccines	hesitant_barrier_religious	Percentage of all hesitant respondents to V5 who say a COVID-19 vaccine is against their religious beliefs	(V5b V5c == 'It is against my religious beliefs.') / (any response to V5b V5c)	(V5a V5b == 'It is against my religious beliefs.') / (any response to V5a V5b)	V5b, V5c	V5a, V5b	2021-02-09	2021-02-06
Vaccines	hesitant_barrier_sideeffects	Percentage of all hesitant respondents (who can't to V5 who are concerned about possible side effects of a COVID-19 vaccine	(V5b V5c == 'I am concerned about possible side effects of a COVID-19 vaccine.') / (any response to V5b V5c)	(V5a V5b == 'I am concerned about possible side effects of a COVID-19 vaccine.') / (any response to V5a V5b)	V5b, V5c	V5a, V5b	2021-02-09	2021-02-06
Vaccines	hesitant_barrier_wait_safety	Percentage of all hesitant respondents to V5 who plan to wait and see if it is safe and may get it later	(V5b V5c == 'I plan to wait and see if it is safe and may get it later.') / (any response to V5b V5c)	(V5a V5b == 'I plan to wait and see if it is safe and may get it later.') / (any response to V5a V5b)	V5b, V5c	V5a, V5b	2021-02-09	2021-02-06
Vaccines	hesitant_dontneed_reason_dont_spend_time	Percentage of all hesitant respondents to V5 AND V6 who do not spend time with any high-risk people	(V5b V5c == 'I don't believe I need a COVID-19 vaccine.') & (V6 == 'I do not spend time with any high-risk people.') / (any response to V5b V5c & any response to V6)	(V5a V5b == 'I don't believe I need a COVID-19 vaccine.') & (V6 == 'I do not spend time with any high-risk people.') / (any response to V5a V5b & any response to V6)	V5b, V5c, V6	V5a, V5b, V6	2021-02-09	2021-02-06
Vaccines	hesitant_dontneed_reason_had_covid	Percentage of all hesitant respondents to V5 AND V6 who have already had COVID-19	(V5b V5c == 'I don't believe I need a COVID-19 vaccine.') & (V6 == 'I already had COVID-19.') / (any response to V5b V5c & any response to V6)	(V5a V5b == 'I don't believe I need a COVID-19 vaccine.') & (V6 == 'I already had COVID-19.') / (any response to V5a V5b & any response to V6)	V5b, V5c, V6	V5a, V5b, V6	2021-02-09	2021-02-06
Vaccines	hesitant_dontneed_reason_not_beneficial	Percentage of all hesitant respondents to V5 AND V6 who don't think vaccines are beneficial	(V5b V5c == 'I don't believe I need a COVID-19 vaccine.') & (V6 == 'I don't think vaccines are beneficial.') / (any response to V5b V5c & any response to V6)	(V5a V5b == 'I don't believe I need a COVID-19 vaccine.') & (V6 == 'I don't think vaccines are beneficial.') / (any response to V5a V5b & any response to V6)	V5b, V5c, V6	V5a, V5b, V6	2021-02-09	2021-02-06
Vaccines	hesitant_dontneed_reason_not_high_risk	Percentage of all hesitant respondents to V5 AND V6 who are not a member of a high-risk group	(V5b V5c == 'I don't believe I need a COVID-19 vaccine.') & (V6 == 'I am not a member of a high-risk group.') / (any response to V5b V5c & any response to V6)	(V5a V5b == 'I don't believe I need a COVID-19 vaccine.') & (V6 == 'I am not a member of a high-risk group.') / (any response to V5a V5b & any response to V6)	V5b, V5c, V6	V5a, V5b, V6	2021-02-09	2021-02-06
Vaccines	hesitant_dontneed_reason_not_serious	Percentage of all hesitant respondents to V5 AND V6 who don't believe COVID-19 is a serious illness	(V5b V5c == 'I don't believe I need a COVID-19 vaccine.') & (V6 == 'I don't believe COVID-19 is a serious illness.') / (any response to V5b V5c & any response to V6)	(V5a V5b == 'I don't believe I need a COVID-19 vaccine.') & (V6 == 'I don't believe COVID-19 is a serious illness.') / (any response to V5a V5b & any response to V6)	V5b, V5c, V6	V5a, V5b, V6	2021-02-09	2021-02-06

			(any response to V5b V5c & any response to V6)	illness.)/ (any response to V5a V5b & any response to V6)				
Vaccines	hesitant_dontneed_reason_other	Percentage of all hesitant respondents to V5 AND V6 who don't think believe they need a COVID-19 vaccine for another reason	(V5b V5c == 'I don't believe I need a COVID-19 vaccine.') & (V6 == 'Other.)/ (any response to V5b V5c & any response to V6)	(V5a V5b == 'I don't believe I need a COVID-19 vaccine.') & (V6 == 'Other.)/ (any response to V5a V5b & any response to V6)	V5b, V5c, V6	V5a, V5b, V6	2021-02-09	2021-02-06
Vaccines	hesitant_dontneed_reason_precautions	Percentage of all hesitant respondents to V5 AND V6 who plan to use masks or other precautions instead	(V5b V5c == 'I don't believe I need a COVID-19 vaccine.') & (V6 == 'I plan to use masks or other precautions instead.)/ (any response to V5b V5c & any response to V6)	(V5a V5b == 'I don't believe I need a COVID-19 vaccine.') & (V6 == 'I plan to use masks or other precautions instead.)/ (any response to V5a V5b & any response to V6)	V5b, V5c, V6	V5a, V5b, V6	2021-02-09	2021-02-06
Vaccines	hesitant_trust_covid_info_doctors	Percentage of people who trust COVID info from local health works, clinics, and community organizations among those who are hesitant	I6_1 == 'trust doctors' / (any response to I6 & (V3a == 'no, probably not' V3a == 'no, definitely not'))	I6_1 == 'trust doctors' / (any response to I6 & (V3a == 'no, probably not' V3a == 'no, definitely not'))	V3a, I6_1	V3a, I6_1	2021-05-20	2021-05-20
Vaccines	hesitant_trust_covid_info_experts	Percentage of people who trust COVID info from scientists and other health experts among those who are hesitant	I6_1 == 'trust experts' / (any response to I6 & (V3a == 'no, probably not' V3a == 'no, definitely not'))	I6_1 == 'trust experts' / (any response to I6 & (V3a == 'no, probably not' V3a == 'no, definitely not'))	V3a, I6_2	V3a, I6_2	2021-05-20	2021-05-20
Vaccines	hesitant_trust_covid_info_friends	Percentage of people who trust COVID info from friends and family among those who are hesitant	I6_1 == 'trust friends and family' / (any response to I6 & (V3a == 'no, probably not' V3a == 'no, definitely not'))	I6_1 == 'trust friends and family' / (any response to I6 & (V3a == 'no, probably not' V3a == 'no, definitely not'))	V3a, I6_7	V3a, I6_7	2021-05-20	2021-05-20
Vaccines	hesitant_trust_covid_info_govt_health	Percentage of people who trust COVID info from government health authorities among those who are hesitant	I6_1 == 'trust government health authorities' / (any response to I6 & (V3a == 'no, probably not' V3a == 'no, definitely not'))	I6_1 == 'trust government health authorities' / (any response to I6 & (V3a == 'no, probably not' V3a == 'no, definitely not'))	V3a, I6_4	V3a, I6_4	2021-05-20	2021-05-20
Vaccines	hesitant_trust_covid_info_journalists	Percentage of people who trust COVID info from journalists among those who are hesitant	I6_1 == 'trust journalists' / (any response to I6 & (V3a == 'no, probably not' V3a == 'no, definitely not'))	I6_1 == 'trust journalists' / (any response to I6 & (V3a == 'no, probably not' V3a == 'no, definitely not'))	V3a, I6_6	V3a, I6_6	2021-05-20	2021-05-20
Vaccines	hesitant_trust_covid_info_politicians	Percentage of people who trust COVID info from politicians among those who are hesitant	I6_1 == 'trust politicians' / (any response to I6 & (V3a == 'no, probably not' V3a == 'no, definitely not'))	I6_1 == 'trust politicians' / (any response to I6 & (V3a == 'no, probably not' V3a == 'no, definitely not'))	V3a, I6_5	V3a, I6_5	2021-05-20	2021-05-20
Vaccines	hesitant_trust_covid_info_religious	Percentage of people who trust COVID info from religious leaders among those who are hesitant	I6_1 == 'trust religious leaders' / (any response to I6 & (V3a == 'no, probably not' V3a == 'no, definitely not'))	I6_1 == 'trust religious leaders' / (any response to I6 & (V3a == 'no, probably not' V3a == 'no, definitely not'))	V3a, I6_8	V3a, I6_8	2021-05-20	2021-05-20
Vaccines	hesitant_trust_covid_info_who	Percentage of people who trust COVID info from the World Health Organization among those who are hesitant	NA	I6_1 == 'trust WHO' / (any response to I6 & (V3a == 'no, probably not' V3a == 'no, definitely not'))	--	V3a, I6_3	2021-05-20	2021-05-20

Vaccines	hesitant_vaccine	Percentage who would definitely or probably NOT choose to get vaccinated	(V3 == 'no, definitely not' V3 == 'no, probably not') / any response to V3	(V3 == 'no, definitely not' V3 == 'no, probably not') / any response to V3	V3	V3	2021-01-06	2021-01-06
Vaccines	hesitant_vaccine_likely_doctors	Percentage more likely to get vaccinated if recommended by doctors and other health professionals among those who are hesitant	V4 == 'more likely doctors' / (any response to V4 & (V3 == 'no, probably not' V3 == 'no definitely not'))	V4 == 'more likely doctors' / (any response to V4 & (V3 == 'no, probably not' V3 == 'no definitely not'))	V3, V4	V3, V4a	2021-02-05	2021-02-05
Vaccines	hesitant_vaccine_likely_friends	Percentage more likely to get vaccinated if recommended by friends & family among those who are hesitant	V4 == 'more likely family & friends' / (any response to V4 & (V3 == 'no, probably not' V3 == 'no definitely not'))	V4 == 'more likely family & friends' / (any response to V4 & (V3 == 'no, probably not' V3 == 'no definitely not'))	V3, V4	V3, V4a	2021-01-06	2021-01-06
Vaccines	hesitant_vaccine_likely_govt	Percentage more likely to get vaccinated if recommended by government health officials among those who are hesitant	V4 == 'more likely government' / (any response to V4 & (V3 == 'no, probably not' V3 == 'no definitely not'))	V4 == 'more likely government' / (any response to V4 & (V3 == 'no, probably not' V3 == 'no definitely not'))	V3, V4	V3, V4a	2021-01-06	2021-01-06
Vaccines	hesitant_vaccine_likely_local_health	Percentage more likely to get vaccinated if recommended by local healthcare workers among those who are hesitant	V4 == 'more likely healthcare workers' / (any response to V4 & (V3 == 'no, probably not' V3 == 'no definitely not'))	V4 == 'more likely healthcare workers' / (any response to V4 & (V3 == 'no, probably not' V3 == 'no definitely not'))	V3, V4	V3, V4a	2021-01-06	2021-01-06
Vaccines	hesitant_vaccine_likely_politicians	Percentage more likely to get vaccinated if recommended by politicians among those who are hesitant	V4 == 'more likely politicians' / (any response to V4 & (V3 == 'no, probably not' V3 == 'no definitely not'))	V4 == 'more likely politicians' / (any response to V4 & (V3 == 'no, probably not' V3 == 'no definitely not'))	V3, V4	V3, V4a	2021-01-06	2021-01-06
Vaccines	hesitant_vaccine_likely_who	Percentage more likely to get vaccinated if recommended by WHO among those who are hesitant	V4 == 'more likely who' / (any response to V4 & (V3 == 'no, probably not' V3 == 'no definitely not'))	V4 == 'more likely who' / (any response to V4 & (V3 == 'no, probably not' V3 == 'no definitely not'))	V3, V4	V3, V4a	2021-01-06	2021-01-06
Vaccines	hesitant_worried_vaccine_sideeffects	Percentage very or moderately concerned about side effects among those who are hesitant	(V9 == 'very concerned' V9 == 'moderately concerned') & (V3 == 'no, probably not' V3 == 'no definitely not') / (any response to V9 & (V3 == 'no, probably not' V3 == 'no definitely not'))	(V9 == 'very concerned' V9 == 'moderately concerned') & (V3 == 'no, probably not' V3 == 'no definitely not') / (any response to V9 & (V3 == 'no, probably not' V3 == 'no definitely not'))	V3, V9	V3, V9	2021-01-13	2021-01-13
CLI/ILI	ili	Percentage with influenza-like illness	B2 == 'fever' & (B2 == 'cough' B2 == 'sore throat') / any response to B2	B1 == 'fever' & (B1 == 'cough' B1 == 'sore throat') / any response to B1	B2	B1	2021-01-06	2021-01-06
Vaccines	informed_access	Percentage of respondents who are very or moderately informed about how to get a vaccination	V13 == 'very informed' V13 == 'moderately informed' / any response to V13	V13 == 'very informed' V13 == 'moderately informed' / any response to V13	V13	V13	2021-03-02	2021-03-02
Behavior	large_event_1d	Percentage of respondents who reported attending an event with more than 10 people in the past 24 hours.	C13 == 'Attended an indoor event with more than 10 people' / any response to C13	(C0_5 == 'Yes' C0a == 'attended an event with more than 10 people') / any response to C0 C0a	C13	C0_5	2020-09-08	2020-04-23
Behavior	mask_large_event_1d	Of those respondents that reported attending an event with more than 10 people in the past 24 hours, the	C13a == 'Attended an indoor event with more than 10 people' / C13 == 'attended	(C13_5 == 'Yes' C13a == 'attended an event with more than 10 people') / (C0_5 == 'yes' C0a	C13a	C13_5	2020-09-08	2020-11-23

		percentage that reported wearing a mask during the activity.	an indoor event with more than 10 people'	== 'attended an indoor event with more than 10 people')				
Behavior	mask_public_transit_1d	Of those respondents that reported using public transit in the past 24 hours, the percentage that reported wearing a mask during the activity.	C13a == 'Used public transit' / C13 == 'used public transit'	(C13_6 == 'Yes' C13a == 'used public transit') / (C0_6 == 'yes' C0a == 'used public transit')	C13a	C13_6	2020-09-08	2020-11-23
Behavior	mask_restaurant_1d	Of those respondents that reported going to a bar, restaurant, or cafe in the past 24 hours, the percentage that reported wearing a mask during the activity.	C13a == 'Had a drink or a meal indoors at a bar, restaurant, or cafe' / C13 == 'had a drink or a meal indoors at a bar, restaurant, or cafe'	(C13_3 == 'Yes' C13a == 'gone to a restaurant, bar, or cafe') / (C0_3 == 'yes' C0a == 'had a drink or a meal indoors at a bar, restaurant, or cafe')	C13a	C13_3	2020-09-08	2020-11-23
Behavior	mask_shop_1d	Of those respondents that reported going to a market, grocery store, or pharmacy in the past 24 hours, the percentage that reported wearing a mask during the activity.	C13a == 'Gone to an indoor market, grocery store, or pharmacy' / C13 == 'gone to an indoor market, grocery store, or pharmacy'	(C13_2 == 'Yes' C13a == 'went to a market, grocery store, or pharmacy') / (C0_2 == 'yes' C0a == 'gone to an indoor market, grocery store, or pharmacy')	C13a	C13_2	2020-09-08	2020-11-23
Behavior	mask_spent_time_1d	Of those respondents that reported spending time with someone who isn't currently staying with them in the past 24 hours, the percentage that reported wearing a mask during the activity.	C13a == 'Spent time indoors with someone who isn't currently staying with you' / C13 == 'Spent time indoors with someone who isn't currently staying with you'	(C13_4 == 'Yes' C13a == 'spent time with someone not currently staying with me') / (C0_4 == 'yes' C0a == 'spent time indoors with someone who isn't currently staying with you')	C13a	C13_4	2020-09-08	2020-11-23
Behavior	mask_work_outside_home_1d	Of those respondents that reported working outside their home in the past 24 hours, the percentage that reported wearing a mask during the activity.	C13a == 'Gone to work or school indoors, outside the place where you are currently staying' / C13 == 'Gone to work or school indoors, outside the place where you are currently staying'	(C13_1 == 'Yes' C13a == 'gone to work outside the place where you are currently staying') / (C0_1 == 'yes' C0a == 'gone to work or school indoors, outside the place where you are currently staying')	C13a	C13_1	2020-09-08	2020-11-23
Module A	news_messaging	Percentage of people who got news about COVID-19 in the last 7 days from messaging apps	--	I9_noneu == 'messaging apps' / any response to I9_noneu	--	I9_noneu	--	2021-05-20
Module A	news_newspaper	Percentage of people who got news about COVID-19 in the last 7 days from newspapers	--	I9_noneu == 'newspapers' / any response to I9_noneu	--	I9_noneu	--	2021-05-20
Module A	news_none	Percentage of people who got news about COVID-19 in the last 7 days from "none of the above"	--	I9_noneu == 'none of the above' / any response to I9_noneu	--	I9_noneu	--	2021-05-20
Module A	news_online	Percentage of people who got news about COVID-19 in the last 7 days from online sources	--	I9_noneu == 'online sources' / any response to I9_noneu	--	I9_noneu	--	2021-05-20
Module A	news_radio	Percentage of people who got news about COVID-19 in the last 7 days from radio	--	I9_noneu == 'radio' / any response to I9_noneu	--	I9_noneu	--	2021-05-20

Module A	news_television	Percentage of people who got news about COVID-19 in the last 7 days from television	--	I9_noneu == 'television' / any response to I9_noneu	--	I9_noneu	--	2021-05-20
Heathcare	nohealth_care_no_overnight	Percentage of respondents that report in the last 30 days that they needed medical/dental care or treatment without an overnight stay and was unable to get it	--	B13_3 == 'yes' / any response to B13	--	B13_3	--	2020-06-27
Heathcare	nohealth_EMS	Percentage of respondents that report in the last 30 days they needed emergency transportation services or emergency rescue and was unable to get it	--	B13_1 == 'yes' / any response to B13	--	B13_1	--	2020-06-27
Heathcare	nohealth_equipment	Percentage of respondents that report in the last 30 days that they needed medical equipment (eyeglasses, hearing aid, crutches, etc.) and were unable to get it	--	B13_7 == 'yes' / any response to B13	--	B13_7	--	2020-06-27
Heathcare	nohealth_medication	Percentage of respondents that report in the last 30 days that they needed medication and were unable to get them	--	B13_5 == 'yes' / any response to B13	--	B13_5	--	2020-06-27
Heathcare	nohealth_overnight	Percentage of respondents that report in the last 30 days that they needed medical care with an overnight stay in a facility and was unable to get it	--	B13_2 == 'yes' / any response to B13	--	B13_2	--	2020-06-27
Heathcare	nohealth_preventative	Percentage of respondents that report in the last 30 days that they needed preventative health services and was unable to get it	--	B13_4 == 'yes' / any response to B13	--	B13_4	--	2020-06-27
Heathcare	nohealth_protective	Percentage of respondents that report in the last 30 days that they needed protective health supplies and were unable to get them	--	B13_6 == 'yes' / any response to B13	--	B13_6	--	2020-06-27
Testing	notest_cant_afford	Percentage of respondents that report inability to pay for the test as a reason they were not tested in the last 14 days, among those that indicated they would have liked to be tested	B12a == 'I can't afford the cost of the test' / any response to B12a	B12_3 == 'yes' / any response to B12	B12a	B12_3	2020-09-08	2020-06-27
Testing	notest_no_time	Percentage of respondents that report lack of time as a reason they were not tested in the last 14 days, among those that indicated they would have liked to be tested	B12a == 'I don't have time to get tested' / any response to B12a	B12_4 == 'yes' / any response to B12	B12a	B12_4	2020-09-08	2020-06-27
Testing	notest_not_able	Percentage of respondents that report inability to get test as a reason they were not tested in last 14 days, among those	B12a == 'I tried to get a test but was not able to get one' / any response to B12a	B12_1 == 'yes' / any response to B12	B12a	B12_1	2020-09-08	2020-06-27

		that indicated they would have liked to be tested						
Testing	notest_travel	Percentage of respondents that reported inability to travel to testing location as a reason they were not tested in the last 14 days, among those that indicated they would have liked to be tested	B12a == 'I am unable to travel to a testing location' / any response to B12a	B12_5 == 'yes' / any response to B12	B12a	B12_5	2020-09-08	2020-06-27
Testing	notest_where	Percentage of respondents that report not knowing where to get test as a reason they were not tested in the last 14 days, among those that indicated they would have liked to be tested	B12a == 'I don't know where to go' / any response to B12a	B12_2 == 'yes' / any response to B12	B12a	B12_2	2020-09-08	2020-06-27
Testing	notest_worry	Percentage of respondents that report worry about bad things happening to their family/friends as a reason they were not tested in the last 14 days, among those that indicated they would have liked to be tested	B12a == 'I am worried about bad things happening to me or my family' / any response to B12a	B12_6 == 'yes' / any response to B12	B12a	B12_6	2020-09-08	2020-06-27
Module A	others_distanced_public	Percentage of people who reported that all or most people they saw in public in the last 7 days maintained a distance of at least [1 meter / 6 feet]	(H1 == 'Most people' H1 == 'All of the people') / (H1 != 'I have not been in public during the past 7 days')	(H1 == 'Most people' H1 == 'All of the people') / (H1 != 'I have not been in public during the past 7 days')	H1	H1	2021-05-20	2021-05-20
Module A	others_masked_public	Percentage of people who reported that all or most people they saw in public in the last 7 days wore a mask	(H2 == 'Most people' H2 == 'All of the people') / (H2 != 'I have not been in public during the past 7 days')	(H2 == 'Most people' H2 == 'All of the people') / (H2 != 'I have not been in public during the past 7 days')	C16	H2	2020-11-24	2021-05-20
Testing	pay_test	Percentage of respondents that report having to pay for the COVID-19 test, out of those that were tested in the past 14 days.	--	B9 == 'yes' / any response to B9	--	B9	--	2020-06-27
Behavior	public_transit_1d	Percentage of respondents who reported using public transit in the past 24 hours.	C13 == 'Used public transit' / any response to C13	(C0_6 == 'Yes' C0a == 'used public transit') / any response to C0 C0a	C13	C0_6	2020-09-08	2020-04-23
Healthcare	reason_nohealth_afford	Percentage of respondents that report that they were unable to get medical treatment, services or products in the last 30 days because they could not afford them	--	B14_2 == 'yes' / any response to B14	--	B14_2	--	2020-06-27
Healthcare	reason_nohealth_infection	Percentage of respondents that report that they were unable to get medical treatment, services or products in the last 30 days because they were afraid they might be infected at the location	--	B14_4 == 'yes' / any response to B14	--	B14_4	--	2020-06-27

Healthcare	reason_nohealth_not_available	Percentage of respondents that report that they were unable to get medical treatment, services or products in the last 30 days because they were not available	--	B14_5 == 'yes' / any response to B14	--	B14_5	--	2020-06-27
Healthcare	reason_nohealth_travel	Percentage of respondents that report that they were unable to get medical treatment, services or products in the last 30 days because they were unable to travel to the location	--	B14_3 == 'yes' / any response to B14	--	B14_3	--	2020-06-27
Healthcare	reason_nohealth_where	Percentage of respondents that report that they were unable to get medical treatment, services or products in the last 30 days because they did not know where to go	--	B14_1 == 'yes' / any response to B14	--	B14_1	--	2020-06-27
Vaccines	receive_all_doses_noplan	Percentage of respondents who do not plan to receive all required doses among those respondents who have not had 2 doses	V2a == 'no, don't plan to receive all doses' / any response to V2a	V2a == 'no, don't plan to receive all doses' / any response to V2a	V2a	V2a	2021-02-08	2021-02-05
Vaccines	receive_all_doses_plan	Percentage of respondents who plan to receive all required doses among those respondents who have not had 2 doses	V2a == 'yes, plan to receive all required doses' / any response to V2a	V2a == 'yes, plan to receive all required doses' / any response to V2a	V2a	V2a	2021-02-08	2021-02-05
Vaccines	receive_all_doses_yes	Percentage of respondents who have received all required doses among those respondents who have not had 2 doses	V2a == 'yes, received all required doses' / any response to V2a	V2a == 'yes, received all required doses' / any response to V2a	V2a	V2a	2021-02-08	2021-02-05
Vaccines	received_2_vaccine_doses	Percentage receiving two doses	V2 == '2 doses' / any response to V2	V2 == '2 doses' / any response to V2	V2	V2	2021-01-06	2021-01-06
Module A	received_news_experts	Percentage of respondents reporting having received news about COVID-19 in the past 7 days from scientists and other health experts	I5 == 'Scientists and other health experts' / any response to I5	I5 == 'Scientists and other health experts' / any response to I5	I5	I5	2021-05-20	2021-05-20
Module A	received_news_friends	Percentage of respondents reporting having received news about COVID-19 in the past 7 days from friends and family	I5 == 'Friends and family' / any response to I5	I5 == 'Friends and family' / any response to I5	I5	I5	2021-05-20	2021-05-20
Module A	received_news_govt_health	Percentage of respondents reporting having received news about COVID-19 in the past 7 days from government health authorities or officials	I5 == 'Government health authorities or officials' / any response to I5	I5 == 'Government health authorities or officials' / any response to I5	I5	I5	2021-05-20	2021-05-20
Module A	received_news_journalists	Percentage of respondents reporting having received news about COVID-19 in the past 7 days from journalists	I5 == 'Journalists' / any response to I5	I5 == 'Journalists' / any response to I5	I5	I5	2021-05-20	2021-05-20
Module A	received_news_local_health	Percentage of respondents reporting having received news about COVID-19 in the past 7 days from local health	I5 == 'Local health workers, clinics, and community organizations' / any response to I5	I5 == 'Local health workers, clinics, and community organizations' / any response to I5	I5	I5	2021-05-20	2021-05-20

		workers, clinics, and community organizations						
Module A	received_news_none	Percentage of respondents reporting having received news about COVID-19 in the past 7 days from "None of the above."	I5 == 'None of the above' / any response to I5	I5 == 'None of the above' / any response to I5	I5	I5	2021-05-20	2021-05-20
Module A	received_news_politicians	Percentage of respondents reporting having received news about COVID-19 in the past 7 days from politicians	I5 == 'Politicians' / any response to I5	I5 == 'Politicians' / any response to I5	I5	I5	2021-05-20	2021-05-20
Module A	received_news_religious	Percentage of respondents reporting having received news about COVID-19 in the past 7 days from religious leaders	I5 == 'Religious leaders' / any response to I5	I5 == 'Religious leaders' / any response to I5	I5	I5	2021-05-20	2021-05-20
Module A	received_news_who	Percentage of respondents reporting having received news about COVID-19 in the past 7 days from the World Health Organization (WHO)	I5 == 'World Health Organization (WHO)' / any response to I5	I5 == 'World Health Organization (WHO)' / any response to I5	I5	I5	2021-05-20	2021-05-20
Testing	reduce_spending	Percentage of respondents that report having to reduce spending on household needs due to the cost of the COVID-19 test	--	B10 == 'yes' / any response to B10	--	B10	--	2020-06-27
Behavior	restaurant_1d	Percentage of respondents who reported going to a shopping center, restaurant, or cafe in the past 24 hours.	--	C0_3 == 'Yes' / any response to C0	--	C0_3	--	2020-04-23
Behavior	restaurant_bar_1d	Percentage of respondents who reported going to a bar, restaurant, or cafe in the past 24 hours.	C13 == 'Had a drink or a meal indoors at a bar, restaurant, or cafe' / any response to C13	C0a == 'gone to a restaurant, bar, or cafe' / any response to C0a	C13	C0a	2020-09-08	2021-05-20
Behavior	shop_1d	Percentage of respondents who reported going to a market, grocery store, or pharmacy in the past 24 hours.	C13 == 'Gone to an indoor market, grocery store, or pharmacy' / any response to C13	(C0_2 == 'Yes' C0a == 'went to a market, grocery store, or pharmacy') / any response to C0 C0a	C13	C0_2	2020-09-08	2020-04-23
Symptoms	sick_spending_time_7d	Percentage of people that report having spent time with someone who has symptoms	--	B5 == 'yes' / any response to B5	--	B5	--	2020-04-23
Behavior	spendtime_0_days	Percentage of respondents indicating that they spent time on 0 days in the last week with individuals that aren't staying with them	--	C6 == '0 days' / any response to C6	--	C6	--	2020-04-23
Behavior	spendtime_1_days	Percentage of respondents indicating that they spent time on 1 day in the last week with individuals that aren't staying with them	--	C6 == '1 day' / any response to C6	--	C6	--	2020-04-23
Behavior	spendtime_2to4_days	Percentage of respondents indicating that they spent time on 2 to 4 days in the	--	C6 == '2 to 4 days' / any response to C6	--	C6	--	2020-04-23

		last week with individuals that aren't staying with them						
Behavior	spendtime_5to7_days	Percentage of respondents indicating that they spent time on 4 to 7 days in the last week with individuals that aren't staying with them	--	C6 == '4 to 7 days' / any response to C6	--	C6	--	2020-04-23
Behavior	spent_time_1d	Percentage of respondents who reported spending time with someone who isn't currently staying with them in the past 24 hours.	C13 == 'Spent time indoors with someone who isn't currently staying with you' / any response to C13	(C0_4 == 'Yes' C0a == 'spent time with someone not currently staying with me') / # any response to C0 C0a	C13	C0_4	2020-09-08	2020-04-23
Behavior	spent_time_health_clinic	Percentage of respondents who reported spending time in a health clinic or hospital in the last 7 days	--	C3 == 'yes' / any response to C3	--	C3	--	2020-04-23
Symptoms	symp_aches	Percentage of respondents that report having aches or muscle pain in the past 24 hours	B2 == 'muscle or joint aches' / any response to B2	B1_6 == 'yes' / any response to B1	B2	B1_6	2020-04-06	2020-04-23
Symptoms	symp_aches_unusual	Percentage of respondents reporting their aches or muscle pain is new or unusual out of all respondents reporting aches or muscle pain	B2b == 'muscle or joint aches' / any response to B2b	B1b_x6 == 'yes' / B1_6 == 'yes'	B2c	B1b_x6	2020-09-08	2020-06-27
Symptoms	symp_chest_pain	Percentage of respondents that report having chest pain in the past 24 hours	B2 == 'persistent pain or pressure in your chest' / any response to B2	B1_8 == 'yes' / any response to B1 chest'	B2	B1_8	2020-04-06	2020-04-23
Symptoms	symp_chest_pain_unusual	Percentage of respondents reporting their chest pain is new or unusual out of all respondents reporting chest pain	B2b == 'persistent pain or pressure in your chest' / any response to B2b	B1b_x8 == 'yes' / B1_8 == 'yes'	B2c	B1b_x8	2020-09-08	2020-06-27
Symptoms	symp_chills	Percentage of respondents that report having chills in the past 24 hours	B2 == 'chills' / any response to B2	B1_13 == 'yes' / any response to B1	B2	B1_13	2020-09-08	2020-05-07
Symptoms	symp_chills_unusual	Percentage of respondents reporting their chills are new or unusual out of all respondents reporting chills	B2b == 'chills' / any response to B2b	B1b_x13 == 'yes' / B1_13 == 'yes'	B2c	B1b_x13	2020-09-08	2020-06-27
Symptoms	symp_cough	Percentage of respondents that report having a cough in the past 24 hours	B2 == 'cough' / any response to B2	B1_2 == 'yes' / any response to B1	B2	B1_2	2020-04-06	2020-04-23
Symptoms	symp_cough_unusual	Percentage of respondents reporting their cough is new or unusual out of all respondents reporting cough	B2b == 'cough' / any response to B2b	B1b_x2 == 'yes' / B1_2 == 'yes'	B2c	B1b_x2	2020-09-08	2020-06-27
Symptoms	symp_diff_breathing	Percentage of respondents that report having difficulty breathing in the past 24 hours	B2 == 'difficulty breathing' / any response to B2	B1_3 == 'yes' / any response to B1	B2	B1_3	2020-04-06	2020-04-23
Symptoms	symp_diff_breathing_unusual	Percentage of respondents reporting their difficulty breathing is new or unusual out of all respondents reporting difficulty breathing	B2b == 'difficulty breathing' / any response to B2b	B1b_x3 == 'yes' / B1_3 == 'yes'	B2c	B1b_x3	2020-09-08	2020-06-27

Symptoms	symp_eye_pain	Percentage of respondents that report having eye pain in the past 24 hours	B2 == 'eye pain' / any response to B2	B1_11 == 'yes' / any response to B1	B2	B1_11	2020-05-21	2020-04-23
Symptoms	symp_eye_pain_unusual	Percentage of respondents reporting their eye pain is new or unusual out of all respondents reporting eye pain	B2b == 'eye pain' / any response to B2b	B1b_x11 == 'yes' / B1_11 == 'yes'	B2c	B1b_x11	2020-09-08	2020-06-27
Symptoms	symp_fatigue	Percentage of respondents that report having fatigue in the past 24 hours	B2 == 'tiredness or exhaustion' / any response to B2	B1_4 == 'yes' / any response to B1	B2	B1_4	2020-04-06	2020-04-23
Symptoms	symp_fatigue_unusual	Percentage of respondents reporting their fatigue is new or unusual out of all respondents reporting fatigue	B2b == 'tiredness or exhaustion' / any response to B2b	B1b_x4 == 'yes' / B1_4 == 'yes'	B2c	B1b_x4	2020-09-08	2020-06-27
Symptoms	symp_fever	Percentage of respondents that report having a fever in the past 24 hours.	B2 == 'fever' / any response to B2	B1_1 == 'yes' / any response to B1	B2	B1_1	2020-04-06	2020-04-23
Symptoms	symp_fever_unusual	Percentage of respondents reporting their fever is new or unusual out of all respondents reporting fever	B2b == 'fever' / any response to B2b	B1b_x1 == 'yes' / B1_1 == 'yes'	B2c	B1b_x1	2020-09-08	2020-06-27
Symptoms	symp_headache	Percentage of respondents that report having a headache in the past 24 hours	B2 == 'headaches' / any response to B2	B1_12 == 'yes' / any response to B1	B2	B1_12	2020-11-24	2020-04-23
Symptoms	symp_headache_unusual	Percentage of respondents reporting their headache is new or unusual out of all respondents reporting headache	B2b == 'headaches' / any response to B2b	B1b_x12 == 'yes' / B1_12 == 'yes'	B2c	B1b_x12	2020-11-24	2020-06-27
Symptoms	symp_loss_smell_taste	Percentage of respondents that report having loss of smell or taste in the past 24 hours.	B2 == 'loss of smell or taste' / any response to B2	B1_10 == 'yes' / any response to B1	B2	B1_10	2020-04-06	2020-04-23
Symptoms	symp_nausea	Percentage of respondents that report having nausea in the past 24 hours	B2 == 'nausea or vomiting' / any response to B2	B1_9 == 'yes' / any response to B1	B2	B1_9	2020-04-06	2020-04-23
Symptoms	symp_nausea_unusual	Percentage of respondents reporting their nausea is new or unusual out of all respondents reporting nausea	B2b == 'nausea or vomiting' / any response to B2b	B1b_x9 == 'yes' / B1_9 == 'yes'	B2c	B1b_x9	2020-09-08	2020-06-27
Symptoms	symp_sleep_changes	Percentage of respondents that report having sleep changes in the past 24 hours	B2 == 'changes in sleep' / any response to B2	B1_14 == 'yes' / any response to B1	B2	B1_14	2020-11-24	2020-11-23
Symptoms	symp_sleep_changes_unusual	Percentage of respondents reporting their sleep changes are new or unusual out of all respondents reporting sleep changes	B2b == 'changes in sleep' / any response to B2b	B1b_x14 == 'yes' / B1_14 == 'yes'	B2c	B1b_x14	2020-11-24	2020-11-23
Symptoms	symp_sore_throat	Percentage of respondents that report having a sore throat in the past 24 hours	B2 == 'sore throat' / any response to B2	B1_7 == 'yes' / any response to B1	B2	B1_7	2020-04-06	2020-04-23
Symptoms	symp_sore_throat_unusual	Percentage of respondents reporting their sore throat is new or unusual out of all respondents reporting sore throat	B2b == 'sore throat' / any response to B2b	B1b_x7 == 'yes' / B1_7 == 'yes'	B2c	B1b_x7	2020-09-08	2020-06-27
Symptoms	symp_stuffy_nose	Percentage of respondents that report having a stuffy or runny nose in the past 24 hours	--	B1_5 == 'yes' / any response to B1	--	B1_5	--	2020-04-23

Symptoms	symp_stuffy_nose_unusual	Percentage of respondents reporting their stuffy or runny nose is new or unusual out of all respondents reporting stuffy or runny nose	--	B1b_x5 == 'yes' / B1_5 == 'yes'	--	B1b_x5	--	2020-06-27
Testing	test_reason_contact	Percentage of people who report having been tested because they were in contact with someone who was sick, out of all respondents tested in the last 14 days	B10b == 'contact with sick' / any response to B10b	B15 == 'contact with sick' / any response to B15	B10b	B15	2020-09-08	2021-05-20
Testing	test_reason_medical	Percentage of people who report having been tested because they were receiving medical care, out of all respondents tested in the last 14 days	B10b == 'while medical care' / any response to B10b	B15 == 'while medical care' / any response to B15	B10b	B15	2020-09-08	2021-05-20
Testing	test_reason_none	Percentage of people reporting "none of the above" as their reason for being tested, out of all respondents tested in the last 14 days	(V9 == 'very concerned' V9 == 'moderately concerned') / any response to V9	B15 == 'none of the above' / any response to B15	B10b	B15	2020-09-08	2021-05-20
Testing	test_reason_required	Percentage of people who report having been tested because their work or school required it, out of all respondents tested in the last 14 days	B10b == 'employer or school required' / any response to B10b	B15 == 'employer or school required' / any response to B15	B10b	B15	2020-09-08	2021-05-20
Testing	test_reason_sick	Percentage of people who report having been tested because they felt sick, out of all respondents tested in the last 14 days	B10b == 'I felt sick' / any response to B10b	B15 == 'I felt sick' / any response to B15	B10b	B15	2020-09-08	2021-05-20
Testing	test_reason_travel	Percentage of people who report having been tested because it was required for travel, out of all respondents tested in the last 14 days	B10b == 'required for travel' / any response to B10b	B15 == 'required for travel' / any response to B15	B10b	B15	2020-09-08	2021-05-20
Testing	test_reason_visit	Percentage of people who report having been tested so that they could visit family and friends, out of all respondents tested in the last 14 days	B10b == 'visit family and friends' / any response to B10b	B15 == 'visit family and friends' / any response to B15	B10b	B15	2020-09-08	2021-05-20
Testing	tested_14d	Percentage of people who were tested for COVID-19 in the past 14 days, regardless of their test result	B10 == 'yes' / any response to B10	B7 == 'yes' / any response to B7	B10	B7	2020-09-08	2020-04-23
Testing	tested_positive_14d	Percentage of people who tested positive for COVID-19 in the past 14 days	B10a == 'yes' / any response to B10a	B8 == 'yes' & B7 == 'yes' / any response to B8	B10a	B8	2020-09-08	2020-04-23
Vaccines	trust_covid_info_doctors	Percentage of people who trust COVID info from local health works, clinics, and community organizations	I6_1 == 'trust' / any response to I6_1	I6_1 == 'trust' / any response to I6_1	I6_1	I6_1	2021-05-20	2021-05-20
Vaccines	trust_covid_info_experts	Percentage of people who trust COVID info from scientists and other health experts	I6_2 == 'trust' / any response to I6_2	I6_2 == 'trust' / any response to I6_2	I6_2	I6_2	2021-05-20	2021-05-20

Vaccines	trust_covid_info_friends	Percentage of people who trust COVID info from friends and family	I6_7 == 'trust' / any response to I6_7	I6_7 == 'trust' / any response to I6_7	I6_7	I6_7	2021-05-20	2021-05-20
Vaccines	trust_covid_info_govt_health	Percentage of people who trust COVID info from government health authorities	I6_4 == 'trust' / any response to I6_4	I6_4 == 'trust' / any response to I6_4	I6_4	I6_4	2021-05-20	2021-05-20
Vaccines	trust_covid_info_journalists	Percentage of people who trust COVID info from journalists	I6_6 == 'trust' / any response to I6_6	I6_6 == 'trust' / any response to I6_6	I6_6	I6_6	2021-05-20	2021-05-20
Vaccines	trust_covid_info_politicians	Percentage of people who trust COVID info from politicians	I6_5 == 'trust' / any response to I6_5	I6_5 == 'trust' / any response to I6_5	I6_5	I6_5	2021-05-20	2021-05-20
Vaccines	trust_covid_info_religious	Percentage of people who trust COVID info from religious leaders	I6_8 == 'trust' / any response to I6_8	I6_8 == 'trust' / any response to I6_8	I6_8	I6_8	2021-05-20	2021-05-20
Vaccines	trust_covid_info_who	Percentage of people who trust COVID info from the World Health Organization	NA	I6_3 == 'trust' / any response to I6_3	---	I6_3	2021-05-20	2021-05-20
Module A	trust_news_messaging	Percentage of people who report trusting messaging apps to provide accurate news and information about COVID-19	--	I10_noneu_2 == "trust" / any response to I10_noneu_2	--	I10_noneu_2	--	2021-05-20
Module A	trust_news_newspaper	Percentage of people who report trusting newspapers to provide accurate news and information about COVID-19	--	I10_noneu_3 == "trust" / any response to I10_noneu_3	--	I10_noneu_3	--	2021-05-20
Module A	trust_news_online	Percentage of people who report trusting online sources to provide accurate news and information about COVID-19	--	I10_noneu_1 == "trust" / any response to I10_noneu_1	--	I10_noneu_1	--	2021-05-20
Module A	trust_news_radio	Percentage of people who report trusting radio to provide accurate news and information about COVID-19	--	I10_noneu_5 == 3 / any response to I10_noneu_5	--	I10_noneu_5	--	2021-05-20
Module A	trust_news_television	Percentage of people who report trusting television to provide accurate news and information about COVID-19	--	I10_noneu_4 == "trust" / any response to I10_noneu_4	--	I10_noneu_4	--	2021-05-20
Vaccines	vaccinate_children	Percentage of respondents with children who report that they will definitely or probably get the vaccine for their children.	(E4 == 'Yes, definitely' E4 == 'Yes, probably') / (E4 != 'I don't have children')	(J2 == 'Yes, definitely' OR J2 == 'Yes, probably') / (J2 != 'I don't have children')	E4	J2	2021-05-20	2021-05-20
Vaccines	vaccinated	Percentage vaccinated	V1 == 'yes' / any response to V1	V1 == 'yes' / any response to V1	V1	V1	2021-01-06	2021-01-06
Vaccines	vaccinated_appointment_or_accept	Percentage of who have either already received a COVID vaccine, have an appointment, or would definitely or probably choose to get vaccinated	(V1 == 'yes' (V3a == 'yes, definitely' V3a == 'yes, probably') V11a == 'yes') / (any response to V3a V1 == 'yes' V11a == 'yes')	(V1 == 'yes' (V3a == 'yes, definitely' V3a == 'yes, probably') V15a == 'yes') / (any response to V3a V1 == 'yes' V15a == 'yes')	V1, V3a, V11a	V1, V3a, V15a	2021-05-20	2021-05-20
Vaccines	vaccinated_or_accept	Percentage who have either already received a COVID vaccine or would definitely or probably choose to get vaccinated, if a vaccine were offered to them today.	(V1 == 'yes' (V3 == 'yes, definitely' V3 == 'yes, probably')) / (any response to V3 (V1 == 'yes'))	(V1 == 'yes' (V3 == 'yes, definitely' V3 == 'yes, probably')) / (any response to V3 (V1 == 'yes'))	V1, V3	V1, V3	2021-01-06	2021-01-06

Vaccines	vaccine_barrier_appointment_time	Percentage of people reporting that available appointment times did not work for them is a barrier to getting the vaccine	V15a V15b == 'available appointment times' / any response to V15a V15b	V18a V18b == 'available appointment times' / any response to V18a V18b	V15a, V15b	V18a, V18b	2021-05-20	2021-05-20
Vaccines	vaccine_barrier_appointment_time_has	Percentage of people reporting that available appointment times did not work for them is a barrier to getting the vaccine	V15a == 'available appointment times' / any response to V15a	V18a == 'available appointment times' / any response to V18a	V15a	V18a	2021-05-20	2021-05-20
Vaccines	vaccine_barrier_appointment_time_tried	Percentage of people reporting that available appointment times did not work for them is a barrier to getting the vaccine	V15b == 'available appointment times' / any response to V15b	V18b == 'available appointment times' / any response to V18b	V15b	V18b	2021-05-20	2021-05-20
Vaccines	vaccine_barrier_childcare	Percentage of people reporting lack of childcare is a barrier to getting the vaccine	V15a V15b == 'lack of childcare' / any response to V15a V15b	V18a V18b == 'lack of childcare' / any response to V18a V18b	V15a, V15b	V18a, V18b	2021-05-20	2021-05-20
Vaccines	vaccine_barrier_childcare_has	Percentage of people reporting lack of childcare is a barrier to getting the vaccine	V15a == 'lack of childcare' / any response to V15a	V18a == 'lack of childcare' / any response to V18a	V15a	V18a	2021-05-20	2021-05-20
Vaccines	vaccine_barrier_childcare_tried	Percentage of people reporting lack of childcare is a barrier to getting the vaccine	V15b == 'lack of childcare' / any response to V15b	V18b == 'lack of childcare' / any response to V18b	V15b	V18b	2021-05-20	2021-05-20
Vaccines	vaccine_barrier_document	Percentage of people reporting that inability to provide required document is a barrier to getting the vaccine	V15a V15b == 'required document' / any response to V15a V15b	V18a V18b == 'required document' / any response to V18a V18b	V15a, V15b	V18a, V18b	2021-05-20	2021-05-20
Vaccines	vaccine_barrier_document_has	Percentage of people reporting that inability to provide required document is a barrier to getting the vaccine	V15a == 'required document' / any response to V15a	V18a == 'required document' / any response to V18a	V15a	V18a	2021-05-20	2021-05-20
Vaccines	vaccine_barrier_document_tried	Percentage of people reporting that inability to provide required document is a barrier to getting the vaccine	V15b == 'required document' / any response to V15b	V18b == 'required document' / any response to V18b	V15b	V18b	2021-05-20	2021-05-20
Vaccines	vaccine_barrier_eligible	Percentage of people reporting eligibility requirements is a barrier to getting the vaccine	V15a V15b == 'eligibility requirements' / any response to V15a V15b	V18a V18b == 'eligibility requirements' / any response to V18a V18b	V15a, V15b	V18a, V18b	2021-05-20	2021-05-20
Vaccines	vaccine_barrier_eligible_has	Percentage of people reporting eligibility requirements is a barrier to getting the vaccine	V15a == 'eligibility requirements' / any response to V15a	V18a == 'eligibility requirements' / any response to V18a	V15a	V18a	2021-05-20	2021-05-20
Vaccines	vaccine_barrier_eligible_tried	Percentage of people reporting eligibility requirements is a barrier to getting the vaccine	V15b == 'eligibility requirements' / any response to V15b	V18b == 'eligibility requirements' / any response to V18b	V15b	V18b	2021-05-20	2021-05-20
Vaccines	vaccine_barrier_language	Percentage of people reporting that information not in their native language is a barrier to getting the vaccine	V15a V15b == 'information in native language' / any response to V15a V15b	V18a V18b == 'information in native language' / any response to V18a V18b	V15a, V15b	V18a, V18b	2021-05-20	2021-05-20

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Vaccines	vaccine_barrier_language_has	Percentage of people reporting that information not in their native language is a barrier to getting the vaccine	V15a == 'information in native language' / any response to V15a	V18a == 'information in native language' / any response to V18a	V15a	V18a	2021-05-20	2021-05-20
Vaccines	vaccine_barrier_language_tried	Percentage of people reporting that information not in their native language is a barrier to getting the vaccine	V15b == 'information in native language' / any response to V15b	V18b == 'information in native language' / any response to V18b	V15b	V18b	2021-05-20	2021-05-20
Vaccines	vaccine_barrier_no_appointments	Percentage of people reporting no appointments available is a barrier to getting the vaccine	V15a V15b == 'no appointments' / any response to V15a V15b	V18a V18b == 'no appointments' / any response to V18a V18b	V15a, V15b	V18a, V18b	2021-05-20	2021-05-20
Vaccines	vaccine_barrier_no_appointments_has	Percentage of people reporting no appointments available is a barrier to getting the vaccine	V15a == 'no appointments' / any response to V15a	V18a == 'no appointments' / any response to V18a	V15a	V18a	2021-05-20	2021-05-20
Vaccines	vaccine_barrier_no_appointments_tried	Percentage of people reporting no appointments available is a barrier to getting the vaccine	V15b == 'no appointments' / any response to V15b	V18b == 'no appointments' / any response to V18b	V15b	V18b	2021-05-20	2021-05-20
Vaccines	vaccine_barrier_none	Percentage of people that report "none of the above" as their barrier to getting the vaccine	V15a V15b == 'none of the above' / any response to V15a V15b	V18a V18b == 'none of the above' / any response to V18a V18b	V15a, V15b	V18a, V18b	2021-05-20	2021-05-20
Vaccines	vaccine_barrier_none_has	Percentage of people that report "none of the above" as their barrier to getting the vaccine	V15a == 'none of the above' / any response to V15a	V18a == 'none of the above' / any response to V18a	V15a	V18a	2021-05-20	2021-05-20
Vaccines	vaccine_barrier_none_tried	Percentage of people that report "none of the above" as their barrier to getting the vaccine	V15b == 'none of the above' / any response to V15b	V18b == 'none of the above' / any response to V18b	V15b	V18b	2021-05-20	2021-05-20
Vaccines	vaccine_barrier_technical_difficulties	Percentage of people reporting that technical difficulties are a barrier to getting the vaccine	V15a V15b == 'technical difficulties' / any response to V15a V15b	V18a V18b == 'technical difficulties' / any response to V18a V18b	V15a, V15b	V18a, V18b	2021-05-20	2021-05-20
Vaccines	vaccine_barrier_technical_difficulties_has	Percentage of people reporting that technical difficulties are a barrier to getting the vaccine	V15a == 'technical difficulties' / any response to V15a	V18a == 'technical difficulties' / any response to V18a	V15a	V18a	2021-05-20	2021-05-20
Vaccines	vaccine_barrier_technical_difficulties_tried	Percentage of people reporting that technical difficulties are a barrier to getting the vaccine	V15b == 'technical difficulties' / any response to V15b	V18b == 'technical difficulties' / any response to V18b	V15b	V18b	2021-05-20	2021-05-20
Vaccines	vaccine_barrier_technology_access	Percentage of people reporting that limited access to internet or phone is a barrier to getting the vaccine	V15a V15b == 'access to internet and phone' / any response to V15a V15b	V18a V18b == 'access to internet and phone' / any response to V18a V18b	V15a, V15b	V18a, V18b	2021-05-20	2021-05-20
Vaccines	vaccine_barrier_technology_access_has	Percentage of people reporting that limited access to internet or phone is a barrier to getting the vaccine	V15a == 'access to internet and phone' / any response to V15a	V18a == 'access to internet and phone' / any response to V18a	V15a	V18a	2021-05-20	2021-05-20
Vaccines	vaccine_barrier_technology_access_tried	Percentage of people reporting that limited access to internet or phone is a barrier to getting the vaccine	V15b == 'access to internet and phone' / any response to V15b	V18b == 'access to internet and phone' / any response to V18b	V15b	V18b	2021-05-20	2021-05-20

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Vaccines	vaccine_barrier_time	Percentage of people that report difficulty getting time away from school or work is a barrier to getting the vaccine	V15a V15b == 'time away from work or school' / any response to V15a V15b	V18a V18b == 'time away from work or school' / any response to V18a V18b	V15a, V15b	V18a, V18b	2021-05-20	2021-05-20
Vaccines	vaccine_barrier_time_has	Percentage of people that report difficulty getting time away from school or work is a barrier to getting the vaccine	V15a == 'time away from work or school' / any response to V15a	V18a == 'time away from work or school' / any response to V18a	V15a	V18a	2021-05-20	2021-05-20
Vaccines	vaccine_barrier_time_tried	Percentage of people that report difficulty getting time away from school or work is a barrier to getting the vaccine	V15b == 'time away from work or school' / any response to V15b	V18b == 'time away from work or school' / any response to V18b	V15b	V18b	2021-05-20	2021-05-20
Vaccines	vaccine_barrier_travel	Percentage of people reporting that difficulty traveling to vaccination site is a barrier to getting the vaccine	V15a V15b == 'travel to vaccination site' / any response to V15a V15b	V18a V18b == 'travel to vaccination site' / any response to V18a V18b	V15a, V15b	V18a, V18b	2021-05-20	2021-05-20
Vaccines	vaccine_barrier_travel_has	Percentage of people reporting that difficulty traveling to vaccination site is a barrier to getting the vaccine	V15a == 'travel to vaccination site' / any response to V15a	V18a == 'travel to vaccination site' / any response to V18a	V15a	V18a	2021-05-20	2021-05-20
Vaccines	vaccine_barrier_travel_tried	Percentage of people reporting that difficulty traveling to vaccination site is a barrier to getting the vaccine	V15b == 'travel to vaccination site' / any response to V15b	V18b == 'travel to vaccination site' / any response to V18b	V15b	V18b	2021-05-20	2021-05-20
Vaccines	vaccine_barrier_type	Percentage of people that report type of vaccine available is a barrier to getting the vaccine	V15a V15b == 'type of vaccine' / any response to V15a V15b	V18a V18b == 'type of vaccine' / any response to V18a V18b	V15a, V15b	V18a, V18b	2021-05-20	2021-05-20
Vaccines	vaccine_barrier_type_has	Percentage of people that report type of vaccine available is a barrier to getting the vaccine	V15a == 'type of vaccine' / any response to V15a	V18a == 'type of vaccine' / any response to V18a	V15a	V18a	2021-05-20	2021-05-20
Vaccines	vaccine_barrier_type_tried	Percentage of people that report type of vaccine available is a barrier to getting the vaccine	V15b == 'type of vaccine' / any response to V15b	V18b == 'type of vaccine' / any response to V18b	V15b	V18b	2021-05-20	2021-05-20
Vaccines	vaccine_likely_doctors	Percentage more likely to get vaccinated if recommended by doctors and other health professionals	V4 == 'more likely doctors' / any response V4	V4 == 'more likely doctors' / any response V4	V4	V4	2021-02-05	2021-02-05
Vaccines	vaccine_likely_friends	Percentage more likely to get vaccinated if recommended by friends & family	V4 == 'more likely friends & family' / any response to V4	V4 == 'more likely friends & family' / any response to V4	V4	V4	2021-01-06	2021-01-06
Vaccines	vaccine_likely_govt_health	Percentage more likely to get vaccinated if recommended by government health officials	V4 == 'more likely govt' / any response to V4	V4 == 'more likely govt' / any response to V4	V4	V4	2021-01-06	2021-01-06
Vaccines	vaccine_likely_local_health	Percentage more likely to get vaccinated if recommended by local healthcare workers	V4 == 'more likely healthcare' / any response to V4	V4 == 'more likely healthcare' / any response to V4	V4	V4	2021-01-06	2021-01-06
Vaccines	vaccine_likely_politicians	Percentage more likely to get vaccinated if recommended by politicians	V4 == 'more likely politicians' / any response to V4	V4 == 'more likely politicians' / any response to V4	V4	V4	2021-01-06	2021-01-06
Vaccines	vaccine_likely_who	Percentage more likely to get vaccinated if recommended by WHO	V4 == 'more likely WHO' / any response to V4	V4 == 'more likely WHO' / any response to V4	V4	V4	2021-01-06	2021-01-06

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Vaccines	vaccine_timing_dontknow	Percentage of people reporting that they don't know when they will get the vaccine	V16 == 'I don't know' / any response to V16	V19 == 'I don't know' / any response to V19	V16	V19	2021-05-20	2021-05-20
Vaccines	vaccine_timing_morethan six	Percentage of people reporting they will try to get the vaccine in more than six months	V16 == 'more than six months' / any response to V16	V19 == 'more than six months' / any response to V19	V16	V19	2021-05-20	2021-05-20
Vaccines	vaccine_timing_onemonth	Percentage of people reporting they will try to get the vaccine within a month	V16 == 'within a month' / any response to V16	V19 == 'within a month' / any response to V19	V16	V19	2021-05-20	2021-05-20
Vaccines	vaccine_timing_sixmonths	Percentage of people reporting they will try to get the vaccine within six months	V16 == 'within six months' / any response to V16	V19 == 'within six months' / any response to V19	V16	V19	2021-05-20	2021-05-20
Vaccines	vaccine_timing_threemonths	Percentage of people reporting they will try to get the vaccine within three months	V16 == 'within three months' / any response to V16	V19 == 'within three months' / any response to V19	V16	V19	2021-05-20	2021-05-20
Vaccines	vaccine_timing_weeks	Percentage of people reporting they will try to get the vaccine within a week or two	V16 == 'within a week or two' / any response to V16	V19 == 'within a week or two' / any response to V19	V16	V19	2021-05-20	2021-05-20
Vaccines	vaccine_tried	Percentage of people without an appointment who have tried to get a vaccine conditional on being accepting	V12a == 'yes' / (any response to V12a & (V3a == 'yes, definitely' V3a == 'yes, probably'))	V16a == 'yes' / (any response to V16a & (V3a == 'yes, definitely' V3a == 'yes, probably'))	V3a, V12a	V3a, V16a	2021-05-20	2021-05-20
Module A	want_info_children_education	Percentage of people who say they want more information about how to support their children's education	I7 == 'support children's education' / any response to I7	I7 == 'support children's education' / any response to I7	I7	I7	2021-05-20	2021-05-20
Module A	want_info_covid_treatment	Percentage of people who say they want more information about the treatment of COVID-19	I7 == 'treatment of COVID-19' / any response to I7	I7 == 'treatment of COVID-19' / any response to I7	I7	I7	2021-05-20	2021-05-20
Module A	want_info_covid_variants	Percentage of people who say they want more information about variants of COVID-19 (also known as coronavirus mutations)	I7 == 'variants of COVID-19' / any response to I7	I7 == 'variants of COVID-19' / any response to I7	I7	I7	2021-05-20	2021-05-20
Module A	want_info_economic_impact	Percentage of people who say they want more information about the economic impact of COVID-19 to themselves personally	--	I7 == 'economic impact to me personally' / any response to I7	--	I7	2021-05-20	2021-05-20
Module A	want_info_employment	Percentage of people who say they want more information about employment and other economic and financial issues	I7 == 'employment or other economic or financial issues' / any response to I7	I7 == 'employment or other economic or financial issues' / any response to I7	I7	I7	2021-05-20	2021-05-20
Module A	want_info_mental_health	Percentage of people who say they want more information about how to maintain their mental health	I7 == 'maintain mental health' / any response to I7	I7 == 'maintain mental health' / any response to I7	I7	I7	2021-05-20	2021-05-20
Module A	want_info_none	Percentage of people reporting that they want more information about "None of the above"	I7 == 'none of the above' / any response to I7	I7 == 'none of the above' / any response to I7	I7	I7	2021-05-20	2021-05-20

Module A	want_info_relationships	Percentage of people who say they want more information about how to maintain their social relationships despite physical distancing	I7 == 'maintain social relationships' / any response to I7	I7 == 'maintain social relationships' / any response to I7	I7	I7	2021-05-20	2021-05-20
Module A	want_info_vaccine_access	Percentage of people who say they want more information about how to get a COVID-19 vaccine	I7 == 'how to get vaccine' / any response to I7	I7 == 'how to get vaccine' / any response to I7	I7	I7	2021-05-20	2021-05-20
Module A	want_info_vaccine_types	Percentage of people who say they want more information about different types of COVID-19 vaccines	I7 == 'different types of vaccines' / any response to I7	I7 == 'different types of vaccines' / any response to I7	I7	I7	2021-05-20	2021-05-20
Testing	wanted_test_14d	Percentage of people who wanted to be tested for COVID-19 in the past 14 days, out of people who were not tested in that time	B12 == 'yes' / any response to B12	B11c == 'yes' / any response to B11c	B12	B11	2020-09-08	2020-06-27
Behavior	wash_hands_24h_0times	Percentage of respondents who washed their hands 0 times in the last 24 hours	--	C7 == '0 times' / any response to C7	--	C7	--	2020-06-27
Behavior	wash_hands_24h_1to2	Percentage of respondents who washed their hands 1 to 2 times in the last 24 hours.	--	C7 == '1-2 times' / any response to C7	--	C7	--	2020-06-27
Behavior	wash_hands_24h_3to6	Percentage of respondents who washed their hands 3 to 6 times in the last 24 hours.	--	C7 == '3-6 times' / any response to C7	--	C7	--	2020-06-27
Behavior	wash_hands_24h_7orMore	Percentage of respondents who washed their hands 7+ times in the last 24 hours.	--	C7 == '7 or more times' / any response to C7	--	C7	--	2020-06-27
Behaviors	wearing_mask_7d	Percentage of people who wore a mask most or all of the time while in public in the past 7 days	(C14a == 'most of the time' C14a == 'all of the time') / any C14a response	(C5 == 'most of the time' C5 == 'all of the time') / any C5 response	C14a	C5	2021-02-08	2021-01-06
Economy	work_for_pay_7d	Percentage of respondents who reported working for pay in the last 7 days	--	D7 == 'yes' / responses to D7	--	D7	--	2020-06-27
Economy	work_for_pay_previous	Among those respondents who didn't work for pay in the last 7 days, the percentage that were employed prior to February 2020	--	D8 == 'yes' / responses to D8	--	D8	--	2020-06-27
Behavior	work_outside_home_1d	Percentage of respondents who reported working outside their home in the past 24 hours.	C13 == 'Gone to work or school indoors, outside the place where you are currently staying' / any response to C13	(C0_1 == 'Yes' C0a == 'gone to work outside the place where you are currently staying') / any response to C0 C0a	C13	C0_1	2020-09-08	2020-04-23
Mental Health	worried_become_ill	Percentage of respondents who reported feeling very or somewhat worried that "you or someone in your immediate family might become seriously ill from COVID-19"	(C9 == 'very worried' C9 == 'somewhat worried') / any response to C9	(D3 == 'very worried' D3 == 'somewhat worried') / any response to D3	C9	D3	2020-04-06	2020-04-23

Module A	worried_catch_covid	Percentage of people worrying either a great deal or a moderate amount about catching COVID-19	(G1 == 'A great deal' G1 == 'A moderate amount') / any response to G1	(G1 == 'A great deal' G1 == 'A moderate amount') / any response to G1	C9	G1	2021-04-06	2021-05-20
Vaccines	worried_vaccine_sideeffects	Percentage very or moderately concerned about side effects	(V9 == 'very concerned' V9 == 'moderately concerned') / any response to V9	(V9 == 'very concerned' V9 == 'moderately concerned') / any response to V9	V9	V9	2021-01-13	2021-01-13

4. Release notes

v1.0

Release date

2021-07-27

Overview

Available for the global survey currently; replaces v0.4. Includes more survey indicators including the rest of the indicators from the new Wave 11 items and historical indicators for previous questions that are no longer fielded.

Changes

- Added the remaining indicators for new Wave 11 items including vaccine barriers and questions within the modules
- Added indicators for every question ever fielded in the history of the survey, including those that are no longer fielded

v0.4

Release date

2021-06-02

Overview

Available for the global survey currently; replaces v0.1. Includes more additional demographic breakouts and new survey indicators. Reformats grouping variable names and values to align format of US and global files.

Changes

- Added education and occupation/industry demographic grouping variables:
 - Education, level (US): `edulevel`
 - Education, years of (global): `eduyears`
 - Industry (global): `industry`
 - Occupation (US): `occupation`

- Added additional pregnancy demographic breakouts:
 - Pregnant x raceethnicity (US): `pregnant_raceethnicity`
 - Pregnant x race x Hispanic (US): `hispanic_pregnant_race`
 - Pregnant x urban (global): `pregnant_urban`

v0.3

Release date

2021-05-10

Overview

Available for the global survey currently; replaces v0.1. Includes more additional demographic breakouts and new survey indicators. Reformats grouping variable names and values to align format of US and global files.

Changes

- Added education and occupation/industry demographic grouping variables:
 - Education, level (US): `edulevel`
 - Education, years of (global): `eduyears`
 - Industry (global): `industry`
 - Occupation (US): `occupation`

- Added additional pregnancy demographic breakouts:
 - Pregnant x raceethnicity (US): `pregnant_raceethnicity`
 - Pregnant x race x Hispanic (US): `hispanic_pregnant_race`
 - Pregnant x urban (global): `pregnant_urban`

v0.2

Release date

2021-04-20

Overview

Available for the global survey currently; replaces v0.1. Will be available for the US survey in the near future and replace v0.0. Includes more additional demographic breakouts and new survey indicators. Reformats grouping variable names and values to align format of US and global files.

Changes

- Added education and occupation/industry demographic grouping variables:
 - Education, level (US): `edulevel`
 - Education, years of (global): `eduyears`
 - Industry (global): `industry`
 - Occupation (US): `occupation`

- Added additional pregnancy demographic breakouts:
 - Pregnant x raceethnicity (US): `pregnant_raceethnicity`
 - Pregnant x race x Hispanic (US): `hispanic_pregnant_race`
 - Pregnant x urban (global): `pregnant_urban`

- Added vaccination appointments, vaccination informedness, direct contact and anosmia indicators:
 - Direct contact: `direct_contact`
 - Anosmia: `anosmia`
 - Informedness about access: `informed_access`
 - Have an appointment to get a vaccination: `appointment_have`
 - Tried to get an appointment to get a vaccination: `appointment_tried`

- Removed unused grouping variable columns from individual files (e.g., for an age contingency table, the `gender` column is not included) and alphabetized grouping columns.
- Concatenated grouping variables in alphabetical order to form `aggregation_type`.
- Renamed grouping variables (see below).
- Renamed `ds` to `issue_date`.
- Changed percentage indicator values to range from 0 to 100 (formerly 0 to 1).
- Converted binary grouping variables (e.g., healthcare workers) from string to boolean.
- Formatted string grouping variables with upper camelcase.

Renamed grouping variables

v0.1 grouping variable name	v0.2 grouping variable name
ethnicity	hispanic
raceeth	raceethnicity
urbanicity	urban
hcw	healthcareworker
eligible2	eligiblepregsmokeobese
comorbidhd	comorbidheartdisease
comorbidckd	comorbidkidneydisease
comorbidcld	comorbidlungdisease

v0.1

Release date

2021-04-12

Overview

Available only for the global survey; replaces v0.0. Includes more granular demographic breakouts and additional vaccine-related indicators.

Changes

- Additional combinations of demographic breakouts for: age; gender; urbanicity; healthcare workers.
- Addition of demographic breakouts for vaccine-eligible conditions / comorbidities.
- Updated implementation of `hesitant_concerned_sideeffects` and `hesitant_vaccinated_likely_...` indicators (see details below).
- Renamed indicator variables (see details below).

Updated indicator definitions

To align the US and global datasets, the following indicators were updated in the global data in v0.1:

v0.0 indicator	v0.0 definition	v0.1 indicator	v0.1 definition
hesitant_concerned_sideeffects	# (V9: very concerned OR moderately concerned) AND (V3: no, probably not OR no definitely not) / # (V9 responses)	hesitant_worried_vaccine_sideeffects	# (V9: very concerned OR moderately concerned) AND (V3: no, probably not OR no definitely not)/# (V9 response AND (V3: no, probably not OR no definitely not))
hesitant_vaccinated_likely_fam	# (V4: more likely family & friends) / # (any V4 response)	hesitant_vaccine_likely_friends	# (V4: more likely family & friends) / # (V4 response AND (V3: no, probably not OR no definitely not))
hesitant_vaccinated_likely_healthcare	# (V4: more likely healthcare workers) / (# any V4 response)	hesitant_vaccine_likely_local_health	# (V4: more likely healthcare workers) / (# V4 response AND (V3: no, probably not OR no definitely not))
hesitant_vaccinated_likely_who	# (V4: more likely who) / # (any V4 response)	hesitant_vaccine_likely_who	# (V4: more likely who) / # (V4 response AND (V3: no, probably not OR no definitely not))
hesitant_vaccinated_likely_govt	# (V4: more likely government) / # (any V4 response)	hesitant_vaccine_likely_govt	# (V4: more likely government) / # (V4 response AND (V3: no, probably not OR no definitely not))
hesitant_vaccinated_likely_politicians	# (V4: more likely politicians) / # (any V4 response)	hesitant_vaccine_likely_politicians	# (V4: more likely politicians) / # (V4 response AND (V3: no, probably not OR no definitely not))
hesitant_vaccinated_likely_doctors	# (V4: more likely doctors) / # (any V4 response)	hesitant_vaccine_likely_doctors	# (V4: more likely doctors) / # (V4 response AND (V3: no, probably not OR no definitely not))

The global estimates for the v0.0 indicators represent the percentage of respondents who are both vaccine hesitant and more likely to be vaccinated if given a recommendation among ALL respondents to those survey items. These estimates have been updated to reflect the percentage of respondents who are more likely to be vaccinated among ONLY among those who are hesitant, which will align with the US implementation.

Renamed indicators

v0.0 indicator name	v0.1 indicator name
accepting	accept_vaccine
hesitant	hesitant_vaccine
accepting_yes_definitely	accept_vaccine_defyes
accepting_yes_probably	accept_vaccine_probyes
accepting_no_probably	accept_vaccine_probno
accepting_no_definitely	accept_vaccine_defno
vaccinated_likely_friends	vaccine_likely_friends
vaccinated_likely_hcw	vaccine_likely_local_health
vaccinated_likely_who	vaccine_likely_who
vaccinated_likely_govt	vaccine_likely_govt_health
vaccinated_likely_politicians	vaccine_likely_politicians
vaccinated_likely_doctors	vaccine_likely_doctors
concerned_sideeffects	worried_vaccine_sideeffects
hesitant_concerned_sideeffects	hesitant_worried_vaccine_sideeffects
hesitant_vaccinated_likely_fam	hesitant_vaccine_likely_friends
hesitant_vaccinated_likely_healthcare	hesitant_vaccine_likely_local_health
hesitant_vaccinated_likely_who	hesitant_vaccine_likely_who
hesitant_vaccinated_likely_govt	hesitant_vaccine_likely_govt
hesitant_vaccinated_likely_politicians	hesitant_vaccine_likely_politicians
hesitant_barrier_dontlike	hesitant_barrier_dislike_vaccines
hesitant_barrier_notrec	hesitant_barrier_not_recommended
hesitant_barrier_wait	hesitant_barrier_wait_safety
hesitant_barrier_otherpeople	hesitant_barrier_low_priority
hesitant_barrier_trustvax	hesitant_barrier_distrust_vaccines
hesitant_barrier_religion	hesitant_barrier_religious
hesitant_barrier_health	hesitant_barrier_health_condition
hesitant_barrier_dontneed_alreadyhad	hesitant_dontneed_reason_had_covid
hesitant_barrier_dontneed_dontspendtime	hesitant_dontneed_reason_dont_spend_time
hesitant_barrier_dontneed_nothighrisk	hesitant_dontneed_reason_not_high_risk

hesitant_barrier_dontneed_precautions	hesitant_dontneed_reason_precautions
hesitant_barrier_dontneed_notserious	hesitant_dontneed_reason_not_serious
hesitant_barrier_dontneed_notbeneficial	hesitant_dontneed_reason_not_beneficial
hesitant_barrier_dontneed_other	hesitant_dontneed_reason_other

v0.0

Release date

2021-03-25

Overview

Initial release of contingency tables for the US and global surveys, focused on basic demographic breakouts and vaccine-related indicators.

Global data

- Files available [here](#).
- Demographic breakouts include various combinations of: age; gender; urbanicity; healthcare workers.
- Indicator variables include a variety of uptake and acceptance measures; hesitancy reasons; likelihood of getting a vaccine based on recommendations from various sources; concern about side effects.

US data

- Documentation and files available [here](#).
- Demographic breakouts include various combinations of: age; gender; race; ethnicity; vaccine-eligible conditions / comorbidities; healthcare workers.
- Indicator variables include a variety of uptake and acceptance measures; hesitancy reasons; likelihood of getting a vaccine based on recommendations from various sources; concern about side effects; CLI; ILI.