**Charles Kurzman, Covid-19 Survey Documentation**

September 9, 2020

**Contents of Kurzman-Covid-19-Delphi-Survey-Daily-Summary-2020-09-09.csv:**

 **NOTE: Variables in the CSV file may not be in this order.**

Date: date (April 6-September 7, 2020).

Filelist: name of daily data files as downloaded from the Delphi Research Group at Carnegie Mellon University (ftp.delphi.cmu.edu). Access to the files requires data use agreements with Carnegie Mellon University and Facebook (https://cmu-delphi.github.io/delphi-epidata/api/covidcast-signals/fb-survey.html).

Responsedate: date extracted from filename.

N: Number of respondents

Startrow: First row in combined dataset for the day’s respondents

Endrow: Last row in combined dataset for the day’s respondents

JHUconfirmed: Number of confirmed Covid-19 cases in the United States, downloaded from https://github.com/CSSEGISandData/COVID-19.

JHUactive: Number of active Covid-19 cases in the United States (confirmed minus recovered).

JHUnew: Number of new Covid-19 cases confirmed each day.

Testpos: Weighted estimate of the proportion of the day’s Delphi survey respondents who reported testing positive for Covid-19.

Testpos\_se: Standard error of the weighted estimate of Testpos.

Testpos\_ci\_l: Lower bound of 95% confidence interval of Testpos.

Testpos\_ci\_u: Upper bound of 95% confidence interval of Testpos.

Testpos\_variance: Variance of weighted estimate of Testpos.

**NOTE: All subsequent weighted estimates also include \_se, \_ci\_l, \_ci\_u, and \_variance.**

Healthelder: Weighted estimate of positive Covid-19 tests among respondents who self-identified as having worked outside the home in the healthcare or eldercare fields in the previous five days.

Nonhealthelder: Weighted estimate of positive Covid-19 tests among respondents who self-identified as not having worked outside the home in the healthcare or eldercare fields in the previous five days.

Healthcare: Weighted estimate of positive Covid-19 tests among respondents who self-identified as having worked outside the home in the healthcare field in the previous five days.

Nonhealthcare: Weighted estimate of positive Covid-19 tests among respondents who self-identified as not having worked outside the home in the healthcare field in the previous five days.

Eldercare: Weighted estimate of positive Covid-19 tests among respondents who self-identified as having worked outside the home in the eldercare field in the previous five days.

Noneldercare: Weighted estimate of positive Covid-19 tests among respondents who self-identified as not having worked outside the home in the eldercare field in the previous five days.

Workers: Weighted estimate of onset of influenza-like illness within the previous five days among respondents who self-identified as having worked outside the home in the previous five days. The survey defined influenza-like illness as a fever of 100°F or higher plus one or more of the following symptoms: sore throat, cough, shortness of breath, or difficulty breathing.

Nonworkers: Weighted estimate of onset of influenza-like illness within the previous five days among respondents who self-identified as not having worked outside the home in the previous five days.

Mw: Weighted estimate of positive Covid-19 tests among respondents in zipcodes with a majority of non-Hispanic whites, according to the Census Bureau’s 2018 American Community Study (https://data.census.gov/cedsci/table?g=0100000US.860000&d=ACS%205-Year%20Estimates%20Detailed%20Tables&tid=ACSDT5Y2018.B02001&hidePreview=false&vintage=2018&t=Race%20and%20Ethnicity).

Mm: Weighted estimate of positive Covid-19 tests among respondents in majority-minority zipcodes.

Q1: Weighted estimate of positive Covid-19 tests among respondents in zipcodes with the lowest-quartile of median income, according to the 2018 American Community Study (https://data.census.gov/cedsci/table?q=income&g=0100000US.860000&tid=ACSST5Y2018.S1901&t=Income%20%28Households,%20Families,%20Individuals%29&hidePreview=true&vintage=2018).

Q24: Weighted estimate of positive Covid-19 tests among respondents in zipcodes with the second through fourth quartiles of median income.

**R files contained in Kurzman-Covid-19-Delphi-Survey-R-Files-2020-09-09.zip:**

Kurzman-Covid-19-Delphi-Survey-Setup-2020-09-09.R

Kurzman-Covid-19-Delphi-Survey-Analysis-2020-09-09.R

 Produced with R version 3.6.1 (2019-07-05) in R Studio Version 1.2.5019.

**Weighted frequencies:**

|  |  |  |
| --- | --- | --- |
| Delphi survey respondents, April 6-September 9, 2020 | Weightedfrequency | Weightedpercent |
| Tested positive for COVID-19 |
|  Yes | 69,651 | 0.6 |
|  No | 10,846,443 | 99.4 |
| Influenza-like illness in past 5 days |
|  Yes | 92,587 | 0.8 |
|  No | 10,823,507 | 99.2 |
| Worked outside the home in healthcare or eldercare in past 5 days |
|  Yes | 1,050,523 | 9.6 |
|  No | 9,865,571 | 90.4 |
| Worked outside the home in past 5 days |
|  Yes | 5,137,803 | 47.1 |
|  No | 5,778,291 | 52.9 |
| Race/ethnicity in respondent’s zipcode |
|  Majority-minority | 1,256,668 | 11.5 |
|  Majority non-Hispanic white | 9,659,426 | 88.5 |
| Median household income in respondent’s zipcode |
|  Lowest quartile of zipcodes (less than $42,982) | 1,932,815 | 17.7 |
|  Top three quartiles of zipcodes | 8,983,279 | 82.3 |