**Supporting Information**

Index

|  |  |  |
| --- | --- | --- |
| S1 | Table: Weighted Demographic Summary of Study Population | 2 |
| S2 | Table: Chi Square tables of association between perception of the vaccine’s safety and attitudes towards vaccine mandate. | 4 |
| S3 | Table: Chi Square tables of association between perception of the vaccine’s safety and attitudes towards vaccine mandate. | 5 |
| S4 | Table S4 Multiple regression for estimation of the effect of the effects of ideology on support for mandate (4 point scale) with control for covariates | 6 |
| S5 | Items used in YouGov Surveys | 7 |

S1 Table: Weighted Demographic Summary of Study Population

|  |  |  |  |
| --- | --- | --- | --- |
| **Sex** | August Survey (N=1000) | December survey (N=1000) | US19 Population [1] |
| Male | 48.7% | 48.5% | 49.2% |
| Female | 51.3% | 51.5% | 50.8% |
|  |  |  |  |
| **Race** |  |  |  |
| White | 63.2% | 63.2% | 60.4% |
| Black | 12.0% | 12.1% | 13.4% |
| Hispanic | 16.1% | 16.0% | 18.3% |
| Asian | 2.9% | 2.2% | 5.9% |
| Native American | 1.0% | 1.6% | 1.3% |
| Mixed | 1.6% | 2.6% | 2.7% |
| Other | 2.9% | 1.7% |  |
|  |  |  |  |
| **Age**[[1]](#footnote-1) |  |  |  |
| 18-29 | 16.6% | 22.3% | 12.4% |
| 30-44 | 30.2% | 28.0% | 35.5% |
| 45-64 | 32.6% | 32.8% | 32.7% |
| 65+ | 20.6% | 18.9% | 19.4% |
| **Marital Status** |  |  |  |
| Married | 47.0% | 45.9% | 47.8% |
| Separated | 2.3% | 2.7% | 1.9% |
| Divorced | 8.5% | 10.3% | 10.8% |
| Widowed | 5.3% | 3.6% | 5.6% |
| Never Married | 31.8% | 31.5% | 33.8% |
| Domestic/Civil Partnership | 5.1% | 6.0% |  |
|  |  |  |  |
| **Education** |  |  |  |
| No high school | 7.5% | 10.5% | 11.1%[[2]](#footnote-2) |
| High school graduate | 31.8% | 28.7% | 55.2% |
| Some college | 20.4% | 20.1% |
| 2-year college | 10.2% | 10.6% |
| 4-year college | 18.9% | 18.9% | 33.7% |
| Post graduate | 11.2% | 11.2% |
|  |  |  |  |
| **Vote**[[3]](#footnote-3) **in 2016 Presidential Election20** |  |  |  |
| Hillary Clinton | 48.7% | 47.2% | 48.2% |
| Donald Trump | 45.1% | 47.1% | 46.1% |
| Other | 6.2% | 5.8% | 5.7% |

Reference

1. U.S. Census Bureau QuickFacts: United States. [cited 6 Mar 2023]. Available: https://www.census.gov/quickfacts/fact/table/US/POP010210#POP010210

S2 Table: Chi Square tables of association between perception of the vaccine’s safety and attitudes towards vaccine mandate.[[4]](#footnote-4) 2A reports liberal responses, 2B reports moderate responses, and 2C reports conservative responses.

2A: Liberal

|  |  |  |
| --- | --- | --- |
| Responses to the question: “To what extent do you agree with the following statement: I would support a government mandate requiring that everyone be vaccinated in order to achieve population immunity” | Responses to the question: “Do you think the following statement is true, or false? ‘Vaccines have harmful effects which are not being disclosed to the public.’” | |
| True | False |
| Agree | 39 (46.9) | 175 (167.1) |
| Disagree | 23 (15.1) | 46 (53.9) |
| Chi Square value | 6.96 | |
| Chi Square value with Yates correction | 6.11 | |
| P value | P<0.02 | |

2B: Moderate

|  |  |  |
| --- | --- | --- |
| Responses to the question: ““To what extent do you agree with the following statement: I would support a government mandate requiring that everyone be vaccinated in order to achieve population immunity” | Responses to the question: “Do you think the following statement is true, or false? ‘Vaccines have harmful effects which are not being disclosed to the public.’” | |
| True | False |
| Agree | 33 (49.9) | 86 (69.1) |
| Disagree | 66 (49.1) | 51 (67.9) |
| Chi Square value | 19.93 | |
| Chi Square value with Yates correction | 18.77 | |
| P value | P<0.00001 | |

2C: Conservative

|  |  |  |
| --- | --- | --- |
| Responses to the question: ““To what extent do you agree with the following statement: I would support a government mandate requiring that everyone be vaccinated in order to achieve population immunity” | Responses to the question: “Do you think the following statement is true, or false? ‘Vaccines have harmful effects which are not being disclosed to the public.’” | |
| True | False |
| Agree | 20 (37.3) | 42 (24.7) |
| Disagree | 149 (131.7) | 70 (87.3) |
| Chi Square value | 25.8 | |
| Chi Square value with Yates correction | 24.33 | |
| P value | P<0.00001 | |

S3 Table: Chi Square tables of association between perception of the vaccine’s safety and attitudes towards vaccine mandate.[[5]](#footnote-5) 3A reports responses for individuals without a bachelor’s degree, 2B reports responses for individuals with a bachelor’s degree or higher. Data from August 2020.

3A:

|  |  |  |
| --- | --- | --- |
| Responses to the question: ““To what extent do you agree with the following statement: I would support a government mandate requiring that everyone be vaccinated in order to achieve population immunity” | Responses to the question: “Do you think the following statement is true, or false? ‘Vaccines have harmful effects which are not being disclosed to the public.’” | |
| True | False |
| Agree | 66 (127.0) | 182 (121.0) |
| Disagree | 234 (173.0) | 104 (165.0) |
| Chi Square value | 103.98 | |
| Chi Square value with Yates correction | 102.28 | |
| P value | P<0.00001 | |

3B:

|  |  |  |
| --- | --- | --- |
| Responses to the question: ““To what extent do you agree with the following statement: I would support a government mandate requiring that everyone be vaccinated in order to achieve population immunity” | Responses to the question: “Do you think the following statement is true, or false? ‘Vaccines have harmful effects which are not being disclosed to the public.’” | |
| True | False |
| Agree | 33 (45.8) | 127 (114.2) |
| Disagree | 46 (33.2) | 70 (82.8) |
| Chi Square value | 11.92 | |
| Chi Square value with Yates correction | 11.01 | |
| P value | P<0.0009 | |

Table S4 Multiple regression for estimation of the effect of the effects of ideology on support for mandate (4 point scale) with control for covariates

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Parameter | B | Standard Error | t | Sig. | 95% Confidence Interval | | Partial Eta Squared |
| Lower Bound | Upper Bound |
| Intercept | 3.033 | .227 | 13.381 | <.001 | 2.588 | 3.477 | .165 |
| Female | .331 | .069 | 4.812 | <.001 | .196 | .466 | .025 |
| Married | .008 | .019 | .426 | .670 | -.029 | .045 | .000 |
| White Race | -.057 | .026 | -2.217 | .027 | -.107 | -.007 | .005 |
| Born Again | -.107 | .090 | -1.185 | .236 | -.284 | .070 | .002 |
| Northeast Region | -.003 | .035 | -.099 | .921 | -.071 | .065 | .000 |
| Bachelor’s Degree | -.044 | .024 | -2.01 | <.05 | -.091 | .003 | .004 |
| Very Liberal | -1.217 | .153 | -7.964 | <.001 | -1.517 | -.917 | .065 |
| Liberal | -.854 | .147 | -5.819 | <.001 | -1.142 | -.566 | .036 |
| Moderate | -.686 | .133 | -5.169 | <.001 | -.946 | -.425 | .029 |
| Conservative | -.100 | .137 | -.732 | .465 | -.369 | .168 | .001 |
| Very Conservative | 0a | . | . | . | . | . | . |
| R2=0.17 | | | | | | | |
| a. This parameter is set to zero because it is redundant. | | | | | | | |

## S5 Items used in YouGov Surveys

## Dependent Variables

## If this vaccine for the coronavirus was available without charge today, how likely would you be to take it?

(Allows one selection)

◯ **[1]** Very likely

◯ **[2]** Somewhat likely

◯ **[3]** Somewhat unlikely

◯ **[4]** Very unlikely

## To what extent do you agree with the following statement: I would support a government mandate requiring that everyone be vaccinated in order to achieve population immunity.

(Allows one selection)

◯ **[1]** Strongly agree

◯ **[2]** Agree

◯ **[3]** Disagree

◯ **[4]** Strongly disagree

## Do you think the following statement is true, or false? "Vaccines have harmful effects which are not being disclosed to the public."

(Allows one selection)

◯ **[1]** Definitely true

◯ **[2]** Probably true

◯ **[3]** Probably false

◯ **[4]** Definitely false

◯ **[99]** Don't know

## Covariates and Demographic Variables

## Would you describe yourself as a "born-again" or evangelical Christian, or not?

(Allows one selection)

◯ **[1]** Yes

◯ **[2]** No

## 

## Are you…?

(Allows one selection)

◯ **[1]** Male

## ◯ [2] Female

## What is your marital status?

(Allows one selection)

◯ **[1]** Married

◯ **[2]** Separated

◯ **[3]** Divorced

◯ **[4]** Widowed

◯ **[5]** Never married

◯ **[6]** Domestic / civil partnership

## In general, how would you describe your own political viewpoint?

(Allows one selection)

◯ **[1]** Very liberal

◯ **[2]** Liberal

◯ **[3]** Moderate

◯ **[4]** Conservative

◯ **[5]** Very conservative

◯ **[6]** Not sure

## What racial or ethnic group best describes you?

(Allows one selection)

◯ **[1]** White

◯ **[2]** Black or African-American

◯ **[3]** Hispanic or Latino

◯ **[4]** Asian or Asian-American

◯ **[5]** Native American

◯ **[8]** Middle Eastern

◯ **[6]** Two or more races

◯ **[7]** Other

## What is the highest level of education you have completed?

(Allows one selection)

◯ **[1]** Did not graduate from high school

◯ **[2]** High school graduate

◯ **[3]** Some college, but no degree (yet)

◯ **[4]** 2-year college degree

◯ **[5]** 4-year college degree

◯ **[6]** Postgraduate degree (MA, MBA, MD, JD, PhD, etc.)

## What region do you live in {single} region

(Allows one selection)

◯ **[1]** Northeast

◯ **[2]** Midwest

◯ **[3]** South

◯ **[4]** West

## 

## 

1. Denominator adjusted to exclude 40.1% <age 20 [↑](#footnote-ref-1)
2. The United States Census Bureau only provided education based on high school and bachelor’s degree [↑](#footnote-ref-2)
3. Denominator excludes those who reported they did not vote. [↑](#footnote-ref-3)
4. Expected value in parentheses [↑](#footnote-ref-4)
5. Expected value in parentheses [↑](#footnote-ref-5)