**Countering Anti-Vaccination Attitudes**

**Data Support Document**

Horne, Powell, Hummel & Holyoak (2015)

**Sex**

1 = Male; 2 = Female

**Race**

1 = White; 2 = Hispanic/Latino; 3 = Black or African-American; Native Hawaiian or Pacific Islander; 5 = Asian; 6 = Native American; 7 = Other or Prefer not to Say

**Education**

1 = No Diploma; 2 = High School or Equivalent; 3 = Some Undergraduate Education; 4 = Undergraduate Degree; 5 = Some graduate or professional education; 6 = Graduate or Professional Degree; 7 = Doctorate

**Employment**

1 = Employed Full-Time; 2 = Employed Part-Time; 3 = Employed Freelance or Contract Based; 4 = Unemployed – Seeking Employment; 5 = Unemployed – not seeking employment; 6 = Retired

**Political Affiliation Categorical**

1 = Republican; 2 = Democrat; 3 = Libertarian; 4 = Independent; 5 = Moderate; 6 = Not Political

**Political Affiliation Sliding Scale**

0 = Liberal; 100 = Conservative

**Healthy\_VaxscalePretest**

Pre-Test Score for item:

Vaccinating healthy children helps protect others by stopping the spread of disease.

**Diseases\_VaxScalePretest**

Pre-Test Score for item:

Children do not need vaccines for diseases that are not common anymore. (to be reverse coded)

**Doctors\_VaxScalePreTest**

Pre-Test Score for item:

Doctors would not recommend vaccines if they were unsafe.

**Sideeffects\_VaxScalePreTest**

Pre-Test Score for item:

The risk of side effects outweighs any protective benefits of vaccines. (to be reverse coded)

**Planto\_VaxScalePreTest**

Pre-Test Score for item:

I plan to vaccinate my children.

**PreTestVaccinationAttitude**

Pre-Test Vaccination Scale Average (computed after reverse coding appropriate items)

**Autism\_PreTest**

Pre-Test score for item:

Some vaccines cause autism in healthy children.

**EligibleToReturn**

1 = Participant did not miss any of the attention check questions in the first phase of the study; 0 = Participant did miss attention check questions and so was not asked to return to complete the study

**Returned**

1 = Participant returned to complete part 2 of the study; 0 = Participant did not return to complete part 2 of the study

**Condition**

Autism Correction = Condition in which participants are told there is no link between autism and MMR vaccine

Control = Condition in which participants read about bird feeding

Disease Risk = Condition in which participants read about dangers of failing to vaccinate their children.

**“ ”\_VaxScalePostTest items**

See pre-test item information

**PostTest Vaccination Attitude**

Vaccine scale average after intervention

**VaxAttitudeChangeScore**

Post-Test Vaccination Scale Average – Pre-Test Vaccination Scale Average

**AttentionCheck\_PostTest (if = 4 then included)**

The sum of participants’ responses to the attention check questions. Participants that missed an attention check question have scores less than 4.

**Parent**

1 = Parent; 0 = Non-Parent

**Number\_of\_children**

The number of children that the participant reports having. (Parents only)

**Oldest\_Child\_Age**

The oldest child the participant reports having. (Parents only)

**Youngest\_Child\_Age**

The youngest child the participant reports having. (Parents only; if number of children = 1, then Oldest = Youngest)

**Hopeful\_Parent**

1 = Yes, I want children in the next 1 to 2 years.

2 = Yes, I want children in the next 2 to 5 years.

3 = Yes, I want children but not for 5 years or more.

0 = No, I do not want children.

(Parents only)

**YourFluShot**

Have you had the flu shot in the last year? 1 = Yes; 0 = No

**ExpectFluShot**

Do you expect a flu shot in the next year? 1 = Yes; 0 = No

**ChildFluShot**

Have any of your children had the flu shot in the last year? 1 = Yes; 0 = No (Parents only)

**ExpectYourChildFluShot**

Do you expect any of your children will get the flu shot in the next year? 1 = Yes; 0 = No (Parents only)

**RefuseVaccination**

Have you ever refused or elected to forgo a vaccine your doctor recommended for your children? 1 = Yes; 0 = No (Parents only)

**VaxWork**

Does vaccinating your child (or not vaccinating your child) affect **only your child** or could it affect both **your child and other people in your community**?

0 = Only my child; 1 = My child and other people in the community

**Paid\_Attention**

Please be honest when answering the following question. **Your answer will not affect your payment or eligibility for future studies.**

The study you have just participated in is a psychological study aimed at understanding human cognition and behavior. Psychological research depends on participants like you. Your responses to surveys like this one are an incredibly valuable source of data for researchers. It is therefore crucial for research that participants pay attention, avoid distractions, and take all study tasks seriously (even when they might seem silly).

Do you feel that you paid attention, avoided distractions, and took this survey seriously?

**0 for any of the following answers:** No, I had trouble paying attention. No I was distracted. No, I did not take this survey seriously. No, something else affected my participation negatively.

1 = Yes.

**Excluded**

Participant excluded before performing analyses because missed an attention check question or said they weren’t paying attention. 1 = Participant was excluded; 0 = Participant was not excluded.

**preTest\_Tercile**

1 = bottom 33.3% on vaccination pre-test attitude score; 2 = middle 33.3% on vaccination pre-test attitude score; 3 = top 33.3% on vaccination pre-test attitude score