

March *for* Science 2017: A Survey of Participants and Followers



GEORGE MASON UNIVERSITY
CENTER for CLIMATE CHANGE
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March for Science 2017: A Survey of Participants and Followers

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Introduction

This report is based on findings from a survey conducted by the George Mason University Center for Climate Change Communication of individuals who signed up to receive emails from the March for Science organization. The aim of this project is to inform those engaging in advocacy for science of the perceptions of those who participated in a large-scale demonstration – the 2017 March for Science.

The findings presented here show insight into individual's views on the march itself -- their experience, goals, and perception of reactions to the march -- and of the state of science in general. Additionally, we report on the other actions that march participants are taking to advocate for science.

The survey was conducted in June and July of 2017. The March for Science organization sent invitations on behalf of the George Mason University team on June 8th. By July 10th, when the survey closed, 20,808 individuals from the March for Science's mailing list (N ~ 213,000 at the time) had completed some part of the survey, for a response rate of approximately 10%.

This survey and its findings are an important look into the minds of the inaugural March for Science participants, the largest public demonstration on the behalf of science to this date. We thank the organizers of the march for the opportunity to collect this data, and we are grateful to the participants for giving of their time to participate in this work. We hope they find this information useful.

We also thank the Energy Foundation and the Grantham Foundation for the Protection of the Environment for their generous support of our work.



Key Findings:

- Roughly 7 out of 10 survey respondents said they participated in a March for Science in person on April 22, 2017; about one third (32%) attended the main march in Washington, DC.
- Although most had participated in a march or demonstration before (71%), for many, the March for Science was their first *science-related* demonstration (88%).
- A majority (61%) felt that, in their country, conditions for scientists are headed in the wrong direction. Respondents in the United States assigned most blame for this to Republicans in Congress (93% said they deserve “all” or “a lot” of the blame) and Donald Trump (90% said “all” or “a lot”).
- The most common concerns expressed by participants in the United States were: the current Congress and administration would make harmful reductions in the use of scientific evidence in government decision making (91%); cuts in government funding for research (90%); and reductions in access to government data for scientific research (81%).
- Participants expressed many goals that they held for the March for Science. The two most commonly cited goals were “increasing evidence based input into policy making” (89% selected this as a goal, and 38% selected it as their most important goal), and “sustaining public funding of science” (88% and 20%, respectively).
- Despite these aspirations, only about half of participants thought the march would be at least moderately effective at increasing evidence based input into policy making (46%), and at sustaining public funding for science (52%).
- Majorities of participants in the United States said they thought the response to the march was positive among scientists (91%), Democrats in Congress (79%), the news media (70%), and the American public (55%). However, majorities also thought that Donald Trump (68%) and Republicans in Congress (64%) had a negative response to the march.
- Nearly all participants said they were taking a variety of other advocacy actions to advance the goals that brought them to participate in the march, including discussing science-related issues with their family and friends (97%), contacting government officials (83%), attending another march or demonstration (80%), donating money to a scientific or political organization (78%), and discussing science-related issues online (73%).



- Most participants felt that a number of actions would be effective at reducing harm to science from the current Congress and the president, if many people do them. The action seen as most effective was donating money to a scientific or political organization (84% perceived it as at least moderately effective), followed by contacting government officials (78%), engaging with the media (76%), attending a march or public demonstration (72%), discussing science-related issues with their friends and family (70%), and discussing science-related issues online (58%).
- About half of participants (51%) viewed scientists as either a “somewhat” (44%) or “heavily” (8%) politically liberal group, whereas most of the other half (47%) see scientists neither liberal nor conservative in particular. Very few participants (2%) saw scientists as a “somewhat” (2%) or “heavily” (<1%) politically conservative group.
- Only about one in six (17%) participants said that the political leaning of scientists hurts their ability to be objective. However, two out of three (66%) said that the political leaning of scientists makes it more difficult for people of another party to believe them.



Who marched?

About 7 in 10 participants (71%) reported that they participated in a March for Science in-person on April 22, while 7% reported that they participated digitally by watching a live-stream video of the march, and 20% said they did not attend a March for Science (See Table 1). Out of those who attended a march in-person, a large majority said they marched in the United States (96%), of which nearly one third attended the main march in Washington D.C. (32%), while about six in ten said they attended a satellite march elsewhere in the United States (64%; see Table 2). Only 4% of respondents said they attended a satellite march outside of the United States.

A majority of respondents said they had participated in a march or public demonstration (for any cause) previously (77%), with 14% saying they had attended “one”, 31% saying they participated in “a few (2-3)”, 16% saying they participated in “several (4-5)”, and 16% saying they participated on “many (6+)” (See Table 3). However, nearly 9 in 10 (88%) respondents reported that the March for Science was their first *science-related* demonstration (see Table 4).

About a quarter of marchers reported they were scientists (27%), either at a research institution (15%), in the private sector (7%), or at a government agency (5%; see Table 6). Another 25% of participants reported working in a science-affiliated job - medical professional (8%), engineer (6%), science teacher (6%), or working at an organization or company that focuses on science (6%). Students comprised about 8% of marchers. The most common response was “I don’t work in the sciences, but am someone who cares about science” (25%).

Marchers were highly educated, with 63% reporting holding a Master’s, Doctoral, or professional degree, and an additional 27% of respondents holding a Bachelor’s degree. Only 10% of marchers indicated their highest level of education was an Associate’s degree or lower (see Table 10). The average age of marchers was 48 years old. 57% of marchers were female. The majority of marchers were White (88%) and 4% indicated they were Hispanic or Latino (see Tables 11-14).



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Differences between scientists and non-scientists

Scientists were more likely than non-scientists to participate in person at the March for Science on April 22 (79% to 68%; See Table 1). A larger percentage of scientists marched in Washington D.C. than non-scientists (36% to 31%); however, a greater percentage of non-scientists attended satellite marches in other locations across the United States (66% to 57%; see Table 4).

Differences by age group

Older and middle-aged adults were both more likely than young adults to report that they had attended “several” (20%, 16%, 11%, respectively) or “many” (24%, 14%, 8%, respectively) demonstrations (for any cause) prior to the March for Science (See Table 5).



Table #1
I participated in a March for Science on April 22nd.

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Yes, in person	70.9	79.1	68.3	72.7	71.5	74.3
No	21.7	15.6	23.6	20.4	22.2	19.4
Yes, digitally via live-stream	7.4	5.3	8.1	6.9	6.3	6.2
	N = 20808	N = 4910	N = 15853	N = 5213	N = 5576	N = 6821

Table #2
Where did you march?

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Washington DC	32.4	36.4	31.0	31.8	32.3	33.2
Other location in the United States	63.5	57.4	65.7	63.1	63.3	64.1
At a location outside of the United States	4.1	6.2	3.4	5.1	4.4	2.7
	N = 15856	N = 4086	N = 11764	N = 4129	N = 4317	N = 5430



Table #3

Besides the March for Science, how many total marches or other public demonstrations (for any cause) have you participated in before? (your best estimate is fine)

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
None	23.1	24.8	22.6	31.5	22.6	15.4
One	14.4	15.7	14.0	17.8	15.1	11.3
A few (2-3)	30.5	29.7	30.8	31.0	32.2	29.1
Several (4-5)	16.1	15.6	16.2	11.2	16.1	20.2
Many (6+)	15.9	14.2	16.4	8.4	13.9	24.1
	N = 20591	N = 4896	N = 15688	N = 5209	N = 5568	N = 6817

Table #4

Is this the first science-related march or public demonstration that you have participated in? **Asked of those who did participate in the March for Science*

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Yes	87.8	88.3	87.6	88.7	89.1	86.2
No	12.2	11.7	12.4	11.3	10.9	13.8
	N = 12713	N = 3173	N = 9534	N = 2919	N = 3439	N = 4712



Table #5

Have you participated in a science-related march or public demonstration before? *Asked of those who did not participate in the March for Science

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Yes	16.2	15.9	16.3	13.6	14.8	19.0
No	83.8	84.1	83.7	86.4	85.2	81.0
	N = 3036	N = 504	N = 2532	N = 647	N = 861	N = 1006



Table #6

Please select the category that most closely applies to your career.

	Marchers	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
I don't work in the sciences, but am someone who cares about science	25.3	---	36.3	19.8	29.5	30.5
I am a scientist at a research institution	15.2	55.8	---	18.6	13.8	9.7
I am a student	8.2	---	11.1	24.8	1.4	0.2
I am a medical professional	7.5	---	10.4	4.9	8.9	9.5
I am a scientist in the private sector	6.7	27.0	---	5.7	7.8	6.1
I am an engineer	6.3	---	8.2	6.2	6.3	6.4
I am a science teacher	5.9	---	7.5	4.0	8.0	6.1
I am not a scientist, but work at an organization or company that focuses on science	5.7	---	7.1	5.8	7.3	3.5
I am a scientist at a government agency	4.6	17.2	---	3.6	4.8	3.9
Other	14.7	---	19.3	6.7	12.1	24.2
	N = 14742	N = 4910	N = 15857	N = 5213	N = 5574	N = 6821



Table #7

What is your primary discipline? *Asked only of scientists

	Marchers	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Biological/Medical sciences	---	46.0	---	47.4	45.0	45.0
Chemistry	---	7.4	---	6.9	6.9	8.7
Geosciences	---	8.8	---	7.9	8.8	10.5
Engineering	---	2.8	---	3.4	2.6	2.7
Physics/Astronomy	---	7.3	---	6.8	5.9	8.2
Math/Computer sciences	---	3.9	---	3.4	3.2	4.2
Social/Policy sciences	---	8.2	---	7.6	10.0	7.2
Humanities	---	0.7	---	0.7	1.2	0.4
Interdisciplinary	---	3.7	---	3.7	3.6	3.3
Other	---	11.2	---	12.3	12.8	9.9
	---	N = 4906	---	N = 1452	N = 1473	N = 1347

Table #8

How long have you worked in your current profession? *in years

	Marchers	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
<i>Mean</i>	18.3	17.8	19.0	5.0	15.8	29.7
<i>Std. Deviation</i>	13.6	13.6	14.3	3.7	8.2	11.9
	N = 12402	N = 4301	N = 7244	N = 4836	N = 5419	N = 6455



Table #9

How long have you worked in your current profession? *In years, by profession indicated

	Marchers	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
(1) I do not work in the sciences, but am someone who cares about science						
<i>Mean</i>	18.4	---	17.8	5.3	15.8	25.9
<i>Std. Deviation</i>	12.6	---	12.6	3.6	8.2	12.7
(2) I am a scientist at a research institution						
<i>Mean</i>	16.7	16.5	---	5.2	15.6	9.9
<i>Std. Deviation</i>	13.7	13.6	---	3.8	7.9	
(3) I am a student						
<i>Mean</i>	4.2	---	4.4	4.1	7.6	17.3
<i>Std. Deviation</i>	4.0	---	4.5	3.7	7.0	14.6
(4) I am a medical professional						
<i>Mean</i>	22.5	---	22.0	5.3	16.3	32.9
<i>Std. Deviation</i>	13.4	---	13.5	3.4	7.8	9.4
(5) I am a scientist in the private sector						
<i>Mean</i>	19.5	19.7		5.1	16.7	33.0
<i>Std. Deviation</i>	13.6	13.8		3.4	8.1	10.5
(6) I am an engineer						
<i>Mean</i>	22.2	---	21.8	5.4	19.6	35.4
<i>Std. Deviation</i>	14.4	---	14.5	3.7	8.3	8.8
(7) I am a science teacher						
<i>Mean</i>	18.0	---	18.3	5.8	15.6	27.4
<i>Std. Deviation</i>	11.6	---	11.7	3.6	7.6	10.8
(8) I am not a scientist, but work at an organization or company that focuses on science						
<i>Mean</i>	14.3	---	14.1	5.0	14.6	24.9
<i>Std. Deviation</i>	11.1	---	11.0	3.5	7.9	11.8



(9) I am a scientist at a government agency

<i>Mean</i>	19.0	19.0	---	5.3	16.4	31.5
<i>Std. Deviation</i>	13.1	13.0	---	3.8	8.2	9.2

(10) Other

<i>Mean</i>	23.1	---	22.9	4.5	14.8	30.2
<i>Std. Deviation</i>	14.3	---	14.4	3.4	8.2	12.5

Table #10

What is your highest level of education?

	Marchers	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
No formal educational credentials	0.2	0	0.2	0.2	0.1	0.1
High school diploma or equivalent	1.4	0	2	3.3	0.6	0.5
Some college, no degree	5.7	0.4	7	10.9	4.9	5
Associate's degree	2.5	0.2	2.6	3	2.5	2.4
Bachelor's degree	27.1	15.9	26.3	36.2	26.8	23.2
Master's degree	30.7	22.3	32.5	27.9	31.5	31.7
Doctoral or professional degree	32.6	61.0	29.4	18.7	33.5	37.2
	N = 13084	N = 4354	N = 7758	N = 5205	N = 5573	N = 6806



Table #11
What is your age? (in years)

	Marchers	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
<i>Mean</i>	47.9	45.5	47.7	27.9	45.7	64.5
<i>Std. Deviation</i>	16.0	14.9	17.5	4.7	6.0	6.0
	N = 12849	N = 4275	N = 7632	N = 5213	N = 5576	N = 6824

Table #12
What is your gender?

	Marchers	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Female	56.5	58.6	62.3	66.6	70.4	58.5
Male	30.3	39.5	35.3	30.5	28.3	40.1
Prefer to self-describe	0.3	0.2	0.3	0.6	0.1	0.1
Non-binary/third gender	0.6	0.6	0.7	1.6	0.2	0.2
Prefer not to say	1.2	1.1	1.4	0.7	1	1
	N = 13064	N = 4344	N = 7748	N = 5205	N = 5569	N = 6801



Table #13

Please specify your ethnicity

	Marchers	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Hispanic or Latino	4.0	4.6	4.1	7.2	4.8	1.7
Not Hispanic or Latino	90.1	90.0	89.7	88.2	89.5	91.9
Prefer not to answer	5.9	5.4	6.2	4.6	5.7	6.4
	N = 12951	N = 4306	N = 7691	N = 5181	N = 5519	N = 6731

Table #14

Please specify your race (check all that apply):

	Marchers	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
American Indian or Alaska Native	1.4	1.3	1.7	1.8	1.5	1.3
Asian	4.3	5.7	4.4	7.9	4.2	1.5
Black or African American	1.0	1.1	1.4	1.6	1.2	0.7
Native Hawaiian or Other Pacific Islander	0.4	0.5	0.2	0.6	0.5	0.1
White	87.7	86.9	86.5	86.5	87.8	89.4
Other	3.2	2.9	4.0	3.1	3.6	3.9
Prefer not to answer	5.0	4.8	5.2	3.5	5.0	5.4
	N = 13149	N = 4375	N = 7797	N = 5213	N = 5576	N = 6824



Perceptions of the state of science

A majority of respondents (61%) feel that, in their country, things for scientists were generally headed in the wrong direction (Table 16). Respondents in the United States assigned most blame for this to Republicans in Congress (93% said they deserve “all” or “a lot” of the blame) and Donald Trump (90% said “all” or “a lot”; see Table 17). Similarly, outside of the United States, participants generally blamed the government (88% said “all” or “a lot”; see Table 18).

Respondents’ most common concerns were that Congress and the administration would make (very or extremely) harmful: reductions in the use of scientific evidence in government decision making (91%); cuts in government funding for research (90%); and reductions in access to government data for scientific research (81%; see Table 19). The potential for such harms to science caused most respondents to feel a range of negative emotional reactions including disgust (86% felt “very” or “extremely” disgusted), anger (81%), anxiety (70%), and fear (56%; see Table 20).

Differences between scientists and non-scientists

Scientists were about 10 points less likely than non-scientists to indicate extreme harm to (a) the ability of scientists to freely conduct their research (35% to 45%), (b) the ability of scientists to freely communicate about their research (34% to 44%), (c) the ability to access government data for scientific research (45% to 55%), and (d) the government’s funding for scientific research (56% to 66%; see Table 12). Furthermore, scientists felt slightly less (about 5%) frightened and disgusted than non-scientists (as indicated by marking they felt these feelings “extremely”: frightened, 25% to 30%; disgusted, 58% to 62%, respectively; see Table 20).

Scientists and non-scientists also differed in terms of assigning blame to groups for things heading the wrong direction for scientists (See Tables 17 and 18). Scientists were less likely than non-scientists to indicate that Donald Trump and Republicans in Congress deserved all the blame (14% to 19% and 14% to 18%, respectively). Additionally, scientists felt that they themselves deserved more blame than non-scientists ascribed to them (saying scientists themselves deserved a “moderate amount of blame”, scientists: 28% and non-scientists: 18%; saying scientists themselves deserved “none at all” of the blame, scientists: 17% and non-scientists: 31%). Conversely, scientists ascribed less blame to the American public than non-scientists (scientists ascribing “all” or “a lot” of the blame to the American public, 39%; non-scientists, 46%; see Table 17).

Differences by age group

Middle-aged and older adults were more likely to indicate that things for science are generally headed in the wrong direction, compared to younger adults (64%, 63%, and 54%, respectively; see Table 16), and when those in the United States assigned blame, older adults were more likely to ascribe more blame to Donald Trump (saying he deserves all or a lot of the blame, 95%), compared to younger adults (83%) and more likely to exculpate Barack Obama (saying he deserved “none at all” of the blame, older adults,



71%; younger adults, 57%). Older adults were also less likely to assign “a lot” of the blame to the news media (18% vs. younger adults, 33% for those in the US; see Table 17; 31%, older adults vs. 52% younger adults, for those outside of the US; see Table 18).



Table #15

Would you say scientific issues are more or less polarized today than in the past?

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Much less polarized	1.0	0.7	1.1	0.6	0.9	1.2
Less polarized	2.1	2.6	1.9	3.3	1.6	1.5
No change in polarization	8.9	10.5	8.4	10.5	9.0	7.6
More polarized	44.0	43.2	44.2	47.0	42.2	42.9
Much more polarized	44.0	43.0	44.4	38.6	46.3	46.8
	N = 6149	N = 1522	N = 4626	N = 1814	N = 1909	N = 2275

Table #16

Would you say that things for scientists in your country are...

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Generally headed in the right direction	16.7	15.7	17.0	19.3	14.5	16.1
Generally headed in the wrong direction	60.5	62.8	59.8	53.8	64.3	63.0
Not sure	22.8	21.5	23.3	26.9	21.2	20.9
	N = 17904	N = 4354	N = 13544	N = 5172	N = 5519	N = 6735



Table #17

The following seven items were asked under this stem:

You said that things for scientists in your country are generally headed in the wrong direction. How much blame do you think the following groups and individuals deserve for the country being this way? **asked of those in the US*

(1) Donald Trump

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
All	17.7	14.1	19.0	14.5	16.3	20.7
A lot	72.6	73.3	72.4	68.5	73.8	74.4
A moderate amount	7.7	9.6	7.1	13.2	8.0	4.1
A little	1.8	2.7	1.5	3.5	1.7	0.8
None at all	0.2	0.4	0.1	0.4	0.2	0.1
	N = 9959	N = 2475	N = 7483	N = 2514	N = 3261	N = 3978

(2) Barack Obama

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
All	0.1	0.0	0.1	0.0	0.1	0.1
A lot	0.8	0.9	0.7	1.1	0.5	0.6
A moderate amount	4.8	4.6	4.8	6.5	4.8	3.6
A little	29.4	30.6	29.0	35.1	31.2	24.3
None at all	65.1	63.8	65.5	57.4	63.4	71.4
	N = 9857	N = 2460	N = 7396	N = 2505	N = 3238	N = 3910



(3) Republicans in Congress

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
All	17.0	13.5	18.2	15.7	16.3	18.2
A lot	75.9	77.0	75.5	73.2	76.7	77.1
A moderate amount	6.4	8.6	5.6	9.7	6.3	4.3
A little	0.7	0.8	0.6	1.4	0.6	0.3
None at all	0.1	0.1	0.1	0.0	0.1	0.1
	N = 9953	N = 2473	N = 7479	N = 2513	N = 3261	N = 3971

(4) Democrats in Congress

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
All	0.3	0.2	0.3	0.4	0.3	0.2
A lot	5.3	5.5	5.3	6.1	5.7	4.5
A moderate amount	30.4	30.9	30.3	35.8	32.3	25.8
A little	49.7	49.6	49.7	46.8	49.4	51.7
None at all	14.2	13.8	14.4	11.0	12.3	17.8
	N = 9907	N = 2469	N = 7437	N = 2510	N = 3248	N = 3944

(5) The news media

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
All	1.7	1.6	1.7	3.0	1.4	1.2
A lot	24.9	27.8	23.9	33.4	26.3	18.3
A moderate amount	41.9	41.1	42.1	42.4	42.7	40.8
A little	25.2	24.1	25.5	18.9	23.8	30.2
None at all	6.4	5.4	6.7	2.3	5.8	9.5
	N = 9915	N = 2465	N = 7449	N = 2510	N = 3251	N = 3948



(6) Scientists themselves

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
All	0.2	0.2	0.2	0.2	0.3	0.2
A lot	4.0	5.9	3.3	4.5	3.6	3.9
A moderate amount	20.6	27.7	18.3	21.1	20.7	20.3
A little	47.4	49.5	46.7	47.8	48.3	46.5
None at all	27.8	16.7	31.4	26.5	27.1	29.1
	N = 9910	N = 2467	N = 7442	N = 2508	N = 3247	N = 3950

(7) The American public

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
All	2.8	1.9	3.1	4.4	2.5	2.1
A lot	41.6	37.5	42.9	37.7	44.1	42.1
A moderate amount	43.7	45.7	43.0	43.7	41.9	45.1
A little	10.6	13.0	9.8	12.7	10.4	9.4
None at all	1.3	1.9	1.2	1.6	1.2	1.3
	N = 9935	N = 2467	N = 7467	N = 2513	N = 3254	N = 3962



Table #18

The following four items were asked under this stem:

You said that things for scientists in your country are generally headed in the wrong direction. How much blame do you think the following groups and individuals deserve for the country being this way? *asked of those outside the US

(1) The government

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
All	14.0	13.9	14.1	18.1	10.9	13.5
A lot	74.1	71.0	75.5	71.7	78.3	73.0
A moderate amount	8.9	11.3	7.8	7.9	8.2	10.7
A little	2.3	3.9	1.6	1.2	2.2	2.5
None at all	0.6		0.9	1.2	0.4	0.4
	N = 785	N = 231	N = 552	N = 254	N = 267	N = 244

(2) The news media

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
All	1.4	1.3	1.5	3.5	0.4	0.4
A lot	40.8	45.2	38.9	52.0	40.7	31.3
A moderate amount	33.0	30.0	34.2	25.2	38.1	35.0
A little	19.2	20.0	18.9	16.5	16.4	24.2
None at all	5.6	3.5	6.5	2.8	4.5	9.2
	N = 782	N = 230	N = 550	N = 254	N = 268	N = 240



(3) Scientists themselves

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
All	0.3	0.4	0.2	0.4	0.0	0.4
A lot	8.1	10.9	6.7	11.8	5.2	7.5
A moderate amount	25.1	30.9	22.5	24.4	25.8	25.7
A little	46.8	45.2	47.6	48.0	48.3	43.6
None at all	19.8	12.6	22.9	15.4	20.6	22.8
	N = 782	N = 230	N = 550	N = 254	N = 267	N = 241

(4) The public

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
All	2.3	3.5	1.8	3.5	1.9	1.6
A lot	38.6	32.6	40.9	36.6	37.8	43.2
A moderate amount	37.0	36.1	37.5	37.8	35.6	36.6
A little	18.0	22.2	16.3	18.1	21.3	13.2
None at all	4.1	5.7	3.4	3.9	3.4	5.3
	N = 784	N = 230	N = 552	N = 254	N = 267	N = 243



Table #19

The following seven items were asked under this stem:

To what extent (if at all) do you think the current Congress and the president will harm the following aspects of science:

(1) The use of scientific evidence in government decision making

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Not at all harmful	1.1	1.2	1.1	1.2	1.1	1.1
Slightly harmful	1.6	2.2	1.4	1.7	1.4	1.6
Moderately harmful	5.8	5.3	6.0	7.2	4.7	5.6
Very harmful	28.3	27.5	28.6	28.2	26.0	29.3
Extremely harmful	63.2	63.8	62.9	61.7	66.8	62.4
	N = 5916	N = 1455	N = 4459	N = 1624	N = 1794	N = 2159

(2) The ability of scientists to freely conduct their research

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Not at all harmful	1.4	1.7	1.3	1.7	1.1	1.3
Slightly harmful	4.4	6.7	3.7	6.0	3.7	3.9
Moderately harmful	17.9	21.0	16.9	19.3	17.2	17.4
Very harmful	33.7	35.3	33.2	31.0	32.2	36.5
Extremely harmful	42.5	35.3	44.9	42.0	45.8	40.9
	N = 5921	N = 1452	N = 4466	N = 1626	N = 1792	N = 2162



(3) The ability of scientists to freely communicate about their research

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Not at all harmful	2.9	3.2	2.8	3.5	2.2	3.1
Slightly harmful	7.8	10.0	7.1	8.9	6.7	7.7
Moderately harmful	19.5	24.1	18.0	18.1	18.2	21.5
Very harmful	28.5	28.7	28.5	27.6	27.7	29.6
Extremely harmful	41.3	33.9	43.7	41.8	45.2	38.2
	N = 5918	N = 1453	N = 4462	N = 1625	N = 1793	N = 2157

(4) The ability to access government data for scientific research

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Not at all harmful	1.6	2.1	1.4	2.2	1.2	1.5
Slightly harmful	4.3	5.8	3.8	5.2	3.4	4.4
Moderately harmful	13.3	17.3	11.9	15.1	11.7	13.0
Very harmful	28.2	29.7	27.7	27.0	26.4	29.8
Extremely harmful	52.7	45.0	55.2	50.4	57.3	51.3
	N = 5906	N = 1454	N = 4449	N = 1622	N = 1786	N = 2157

(5) The government's funding for scientific research

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Not at all harmful	0.9	0.6	0.9	0.8	0.6	1.0
Slightly harmful	1.8	2.8	1.5	2.4	1.5	1.6
Moderately harmful	7.2	11.0	6.0	7.8	6.5	7.2
Very harmful	26.6	30.1	25.5	25.9	25.1	27.7
Extremely harmful	63.5	55.5	66.1	63.0	66.3	62.6
	N = 5919	N = 1453	N = 4463	N = 1623	N = 1794	N = 2159



(6) The nation's ability to expand and diversify the scientific workforce

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Not at all harmful	2.3	2.3	2.2	3.0	1.7	2.1
Slightly harmful	5.4	6.6	5.0	6.4	5.5	4.7
Moderately harmful	16.9	18.5	16.4	17.9	16.5	16.5
Very harmful	29.5	29.2	29.6	27.1	27.8	31.9
Extremely harmful	45.9	43.4	46.7	45.6	48.6	44.8
	N = 5907	N = 1453	N = 4451	N = 1618	N = 1789	N = 2159

(7) The quality of science education

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Not at all harmful	2.0	1.4	2.2	1.7	2.0	2.2
Slightly harmful	5.8	7.0	5.4	5.1	5.6	6.0
Moderately harmful	16.0	16.7	15.7	15.8	14.7	16.8
Very harmful	27.0	27.1	27.0	24.4	27.4	28.3
Extremely harmful	49.2	47.8	49.7	53.1	50.3	46.7
	N = 5914	N = 1452	N = 4459	N = 1625	N = 1793	N = 2155



Table #20

The following four items were asked under this stem:

To what extent do you feel the following emotions about the potential for harm to science from the current Congress and president? I feel:

(1) Frightened

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Not at all	6.0	8.8	5.1	5.8	5.1	6.6
Slightly	13.1	15.6	12.3	13.5	13.1	12.8
Moderately	24.7	26.2	24.3	23.1	23.1	27.2
Very	27.4	24.4	28.3	28.1	27.4	26.4
Extremely	28.8	24.9	30.1	29.5	31.3	27.0
	N = 5872	N = 1440	N = 4429	N = 1616	N = 1788	N = 2135

(2) Anxious

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Not at all	2.5	2.8	2.4	2.2	2.6	2.4
Slightly	7.6	9.1	7.1	7.1	6.8	8.4
Moderately	20.3	22.5	19.6	19.4	19.9	21.0
Very	33.0	31.4	33.5	31.6	32.4	33.9
Extremely	36.6	34.3	37.4	39.8	38.3	34.3
	N = 5890	N = 1444	N = 4443	N = 1617	N = 1790	N = 2146



(3) Angry

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Not at all	1.2	1.4	1.1	1.5	0.9	1.1
Slightly	3.9	4.8	3.6	4.8	2.7	3.9
Moderately	14.1	15.8	13.5	14.8	13.8	13.2
Very	30.0	29.9	30.1	28.9	29.7	30.4
Extremely	50.8	48.1	51.7	50.0	53.0	51.4
	N = 5889	N = 1447	N = 4439	N = 1616	N = 1790	N = 2146

(4) Disgusted

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Not at all	1.5	1.9	1.4	2.4	1.5	0.9
Slightly	3.7	4.9	3.3	5.3	2.7	3.0
Moderately	8.3	8.6	8.2	10.7	6.8	7.8
Very	25.4	26.9	24.8	25.7	25.0	24.3
Extremely	61.1	57.6	62.3	55.9	64.0	64.0
	N = 5891	N = 1445	N = 4443	N = 1619	N = 1787	N = 2148



Participant's goals for the March for Science

The majority of participants had many goals for the March for Science – indeed, most participants (62%) selected eight or more possible goals that were presented as options in the survey – but the most commonly selected goal, and the most personally important goal was “increasing evidence based input into policy making” (89% selected this as a goal; 38% selected it as their most important goal; see Tables 21 and 22), followed by “sustaining public funding of science” (88% and 20%, respectively).

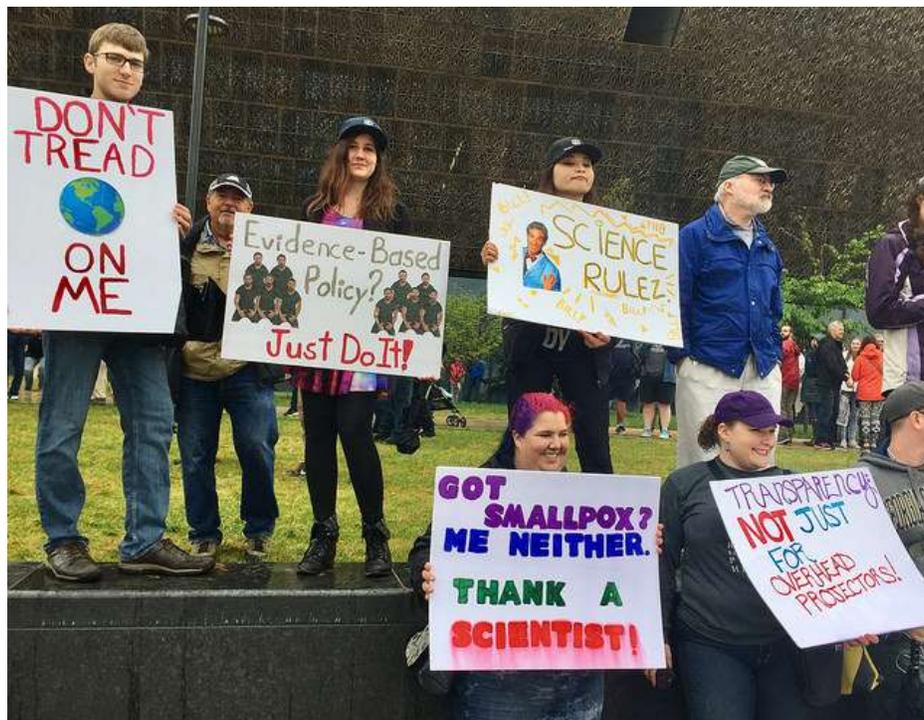


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Differences between scientists and non-scientists

When asked to select all goals that apply (see Table 21), scientists were less likely than non-scientists to indicate that they had goals of “decreasing partisan polarization about scientific issues” (67% to 73%), “increasing diversity in STEM fields (48% to 55%); “reducing political intervention into the conduct of scientific research” (72% to 79%); “reducing political intervention into the communication of scientific research” (71% to 78%); “expressing frustration at the current administration” (55% to 67%); and “experiencing the camaraderie of those who have similar values” (53% to 59%).



Differences by age group

Young adults were more likely to indicate several goals than middle aged and older adults, when selecting all that apply (see Table 21). Specifically, young adults were more likely than middle-aged and older adults to indicate “increasing diversity in STEM fields” (60%, 51%, 49%, respectively), “motivating scientists to run for office” (66%, 60%, 53%), and “encouraging scientists to publicly communicate about their research” (79%, 73%, 72%). Conversely, they were less likely to indicate “reducing political intervention into the conduct of scientific research” (74%, 76%, 83%); “reducing political intervention into the communication of scientific research” (75%, 74%, 81%), and “expressing frustration at the current administration” (59%, 62%, 71%).



Table #21

Which of the following are goals that you hope the March for Science will achieve over the long-term? (select all that apply)

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Raising the morale of scientists	63.5	60.9	64.3	64.4	60.8	66.0
Sustaining public funding of science	87.9	86.0	88.6	88.5	86.4	89.0
Increasing evidence based input into policy making	88.9	87.9	89.3	90.0	89.2	89.0
Celebrating the contributions of science for the public good	70.8	69.4	71.2	70.3	70.5	72.2
Decreasing partisan polarization about scientific issues	71.7	66.9	73.3	74.9	72.0	69.3
Increasing diversity in STEM fields	53.2	47.8	54.9	60.2	50.8	48.9



Motivating scientists to run for office	59.2	58.6	59.4	66.1	60.1	53.2
Encouraging scientists to publicly communicate about their research	74.1	74.5	74.0	78.8	72.7	72.0
Reducing political intervention into the conduct of scientific research	77.4	71.9	79.3	73.5	76.3	82.8
Reducing political intervention into the communication of scientific research	76.3	70.6	78.2	74.9	74.2	80.7
Expressing frustration at the current administration	64.1	55.1	67.0	58.8	61.8	71.2
Experiencing the camaraderie of those who have similar values	57.7	53.4	59.1	57.5	58.5	59.1
	N = 10,052	N = 2456	N = 7587	N = 2703	N = 2792	N = 3401

Note: This question was asked of a random half of participants.



Table #22

Of the goals you selected, which is the most important to you personally?

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Raising the morale of scientists	1.0	1.2	0.9	1.0	0.8	0.9
Sustaining public funding of science	20.0	22.1	19.3	18.8	19.5	21.0
Increasing evidence based input into policy making	37.9	38.1	37.8	39.1	39.3	36.8
Celebrating the contributions of science for the public good	3.6	4.5	3.4	3.1	3.6	3.8
Decreasing partisan polarization about scientific issues	7.8	7.3	7.9	10.3	8.2	4.9
Increasing diversity in STEM fields	1.7	1.6	1.8	3.0	1.6	0.8
Motivating scientists to run for office	2.9	2.8	3.0	4.6	2.8	1.8



Encouraging scientists to publicly communicate about their research	3.5	5.0	2.9	4.8	3.0	2.6
Reducing political intervention into the conduct of scientific research	8.6	7.3	9.0	5.2	8.4	11.8
Reducing political intervention into the communication of scientific research	4.6	4.0	4.8	4.5	4.2	4.9
Expressing frustration at the current administration	5.5	3.5	6.2	3.0	5.3	7.7
Experiencing the camaraderie of those who have similar values	0.9	1.0	0.9	1.3	0.8	0.8
	N = 9648	N = 2380	N = 7264	N = 2693	N = 2768	N = 3365

Note: This question was asked of a random half of participants (the same as those in Table 22).



Perceived effectiveness of the March for Science

Large majorities of participants thought the March would be at least moderately effective over the long-term at (a) experiencing the camaraderie of those who have similar values (93%), (b) expressing frustration at the current administration (86%), (c) celebrating the contributions of science for the public good (81%), (d) encouraging scientists to publicly communicate about their research (80%), and (e) raising the morale of scientists (80%; see Table 23). Majorities of participants also felt the march would be at least moderately effective at motivating scientists to run for office (63%), and sustaining public funding of science (52%).

Large minorities of participants thought the march would be at least moderately effective over the long-term at (a) increasing diversity in STEM fields (47%) and increasing evidence based input into policy making (46%). Only about 3 in 10 participants thought the march would be at least moderately effective at reducing political intervention into the communication of scientific research (31%), reducing political intervention into the conduct of scientific research (30%), and decreasing partisan polarization about scientific issues (28%; see Table 23).

Differences between scientists and non-scientists

Scientists were more likely than non-scientists to think that the march would be “not at all” effective at decreasing partisan polarization about scientific issues (40% to 31%), increasing diversity in STEM fields (24% to 16%), reducing political intervention into the conduct of scientific research (35% to 25%), and reducing political intervention into the communication of scientific research (33% to 25%; see Table 23).

Differences by age group

Young adults were more likely to think the march would be effective at advancing a number of goals compared to middle-aged and older adults (see Table 23). Specifically, young adults were more likely than middle-aged and older adults to think the march would be very effective at raising the morale of scientists (31%, 25%, and 23% respectively), celebrating the contributions of science for the public good (39%, 34%, 31%), and motivating scientists to run for office (28%, 22%, 15%). Young adults were also more likely than middle-aged and older adults to think that the march would be extremely effective at encouraging scientists to publicly communicate about their research (14%, 9%, and 6%, respectively), expressing frustration at the current administration (36%, 28%, 25%), and experiencing camaraderie with those who have similar values (43%, 38%, 31%).



Table #23

The following twelve items were asked under this stem:

On the whole, how effective do you believe the March for Science will be over the long-term in advancing each of these goals?

(1) Raising the morale of scientists

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Not at all effective	1.8	2.4	1.6	1.6	1.8	2.0
Slightly effective	17.9	20.9	17.0	14.9	18.7	20.0
Moderately effective	46.5	46.2	46.6	40.8	46.0	51.1
Very effective	26.2	24.3	26.9	31.4	25.3	22.5
Extremely effective	7.5	6.2	7.9	11.4	8.2	4.4
	N = 9593	N=2367	N = 7222	N = 2672	N = 2760	N = 3370

(2) Sustaining public funding of science

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Not at all effective	9.1	11.6	8.2	9.0	10.2	8.1
Slightly effective	39.0	42.1	38.0	35.9	39.4	41.5
Moderately effective	42.1	38.8	43.3	42.4	41.8	42.2
Very effective	8.5	6.7	9.0	10.8	7.4	7.3
Extremely effective	1.4	0.9	1.5	1.9	1.2	0.9
	N = 9572	N = 2366	N = 7202	N = 2667	N = 2754	N = 3363



(3) Increasing evidence based input into policy making

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Not at all effective	13.4	15.4	12.8	13.5	14.8	12.2
Slightly effective	41.0	42.8	40.4	38.8	41.2	43.3
Moderately effective	36.4	33.5	37.3	36.8	36.1	36.1
Very effective	7.7	6.9	7.9	8.4	6.7	7.4
Extremely effective	1.5	1.3	1.6	2.5	1.3	1.1
	N = 9558	N = 2362	N = 7192	N = 2661	N = 2759	N = 3358

(4) Celebrating the contributions of science for the public good

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Not at all effective	2.9	3.6	2.7	2.3	2.5	3.6
Slightly effective	15.9	17.6	15.4	10.7	14.3	20.8
Moderately effective	33.5	33.6	33.4	26.5	36.2	36.8
Very effective	34.0	33.8	34.1	38.7	34.1	30.6
Extremely effective	13.6	11.3	14.4	21.8	12.9	8.1
	N = 9554	N = 2362	N = 7188	N = 2661	N = 2755	N = 3358

(5) Decreasing partisan polarization about scientific issues

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Not at all effective	33.0	39.8	30.8	31.5	34.4	33.7
Slightly effective	38.9	36.8	39.6	35.7	40.1	41.5
Moderately effective	22.8	19.0	24.1	25.9	21.1	20.7
Very effective	4.2	3.5	4.4	5.4	3.3	3.5
Extremely effective	1.1	0.8	1.1	1.6	1.1	0.6
	N = 9548	N = 2358	N = 7186	N = 2657	N = 2755	N = 3357



(6) Increasing diversity in STEM fields

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Not at all effective	18.3	24.3	16.4	16.7	19.9	18.4
Slightly effective	34.8	36.3	34.4	32.7	34.7	37.3
Moderately effective	32.6	29.1	33.8	32.9	32.2	32.3
Very effective	11.9	8.7	12.9	13.8	11.0	10.6
Extremely effective	2.4	1.6	2.6	3.9	2.2	1.3
	N = 9446	N = 2344	N = 7098	N = 2656	N = 2738	N = 3288

(7) Motivating scientists to run for office

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Not at all effective	7.3	7.1	7.3	3.8	6.4	9.9
Slightly effective	29.8	31.1	29.4	22.5	28.0	38.3
Moderately effective	36.7	36.5	36.7	37.0	38.5	34.4
Very effective	20.9	20.6	21.0	27.6	21.6	14.9
Extremely effective	5.4	4.8	5.6	9.1	5.5	2.4
	N = 9506	N = 2351	N = 7151	N = 2662	N = 2750	N = 3327

(8) Encouraging scientists to publicly communicate about their research

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Not at all effective	2.5	3.1	2.3	1.6	2.3	3.4
Slightly effective	17.8	18.8	17.5	13.1	17.6	21.8
Moderately effective	37.6	38.6	37.2	34.4	37.8	39.5
Very effective	33.0	31.3	33.6	37.3	33.6	29.3
Extremely effective	9.1	8.2	9.4	13.7	8.9	6.0
	N = 9531	N = 2356	N = 7171	N = 2663	N = 2751	N = 3348



(9) Reducing political intervention into the conduct of scientific research

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Not at all effective	27.6	35.1	25.2	27.4	30.5	25.9
Slightly effective	42.1	39.6	42.9	41.1	41.3	44.6
Moderately effective	24.0	19.4	25.5	24.4	23.1	23.4
Very effective	5.1	5.0	5.1	5.2	4.0	5.2
Extremely effective	1.3	0.9	1.4	1.9	1.1	0.9
	N = 9515	N = 2358	N = 7154	N = 2659	N = 2745	N = 3346

(10) Reducing political intervention into the communication of scientific research

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Not at all effective	27.0	33.4	24.9	26.7	29.9	25.1
Slightly effective	41.9	39.6	42.6	41.1	41.5	44.2
Moderately effective	24.0	20.4	25.2	24.0	22.9	24.0
Very effective	5.6	5.3	5.7	6.2	4.6	5.4
Extremely effective	1.5	1.3	1.5	2.0	1.1	1.3
	N = 9512	N = 2354	N = 7155	N = 2659	N = 2745	N = 3346

(11) Expressing frustration at the current administration

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Not at all effective	3.1	3.4	3.0	1.7	2.9	4.1
Slightly effective	10.7	11.7	10.4	8.5	10.6	12.0
Moderately effective	23.7	23.9	23.6	19.4	24.4	26.0
Very effective	33.5	34.2	33.2	34.3	34.0	33.1
Extremely effective	29.0	26.7	29.8	36.0	28.1	24.8
	N = 9506	N = 2347	N = 7155	N = 2656	N = 2746	N = 3338



(12) Experiencing the camaraderie of those who have similar values

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Not at all effective	1.0	1.3	0.9	0.9	0.7	1.2
Slightly effective	6.1	6.8	5.8	4.4	5.2	7.6
Moderately effective	19.8	21.6	19.2	16.5	19.3	21.8
Very effective	36.8	37.8	36.4	35.0	36.7	38.5
Extremely effective	36.4	32.5	37.7	43.2	38.0	30.9
	N = 9481	N = 2344	N = 7133	N = 2655	N = 2745	N = 3318



Reactions to and concerns about the March for Science

Large majorities of the participants said they enjoyed the march (92%), found it energizing (86%), and that the march met their expectations (86%; see Table 24).

Majorities of respondents in the United States said they thought the response to the march was somewhat or extremely positive from scientists (91%), Democrats in Congress (79%), the news media (70%) and the American public (55%; see Table 25). However, majorities of respondents thought the response to the march was somewhat or extremely negative from Donald Trump (68%) and Republicans in Congress (64%). Respondents outside of the United States reported generally positive reactions to the march from scientists (90%), the public (66%), and the news media (75%; see Table 26).

About 3 out of 4 respondents who participated in a march said that the overall tone of the feedback they personally received for participating in the March for Science was mostly or entirely positive (74%; see Table 27). Among march participants who cited concerns about their participation in the march, 46% said they were concerned the march was not effective in reaching its goals, and 21% said they were concerned about the lack of diversity in the march (See Table 28). Very few march participants said that they were fearful that their participation would be harmful to them professionally (2%) or that the march was counter-productive (4%).

Differences between scientists and non-scientists

In the United States, non-scientists were more likely than scientists to report an extremely negative response to the march from Donald Trump (46% to 36%) and Republicans in Congress (30% to 21%; see Table 25).

Differences by age group

Young adults were less likely than older adults to say that they felt more pessimistic about the future of science after the march (11% to 17%; see Table 24). Among respondents in the United States, older adults were more likely than middle-aged adults and younger adults to say there has been an “extremely negative” reaction to the march from Donald Trump (52%, 40%, 35% respectively) and Republicans in Congress (33%, 26%, 21%; ; see Table 25).



Table #24

The following four items were asked under this stem:

Please indicate your level of agreement with the following statements about your experience of the March for Science.

(1) The march met my expectations

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Strongly disagree	2.1	1.5	2.3	1.9	1.6	2.6
Somewhat disagree	5.0	6.0	4.7	5.7	4.8	4.4
Neither agree nor disagree	7.2	7.5	7.0	8.3	6.3	6.5
Somewhat agree	38.4	42.6	37.0	42.1	39.0	34.3
Strongly agree	47.3	42.3	49.1	42.0	48.3	52.2
	N = 15912	N = 4094	N = 11812	N = 4138	N = 4327	N = 5467

(2) I enjoyed the march

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Strongly disagree	2.1	1.5	2.4	1.3	2.0	2.7
Somewhat disagree	1.5	1.8	1.4	1.5	1.1	1.4
Neither agree nor disagree	4.0	4.4	3.9	4.3	3.4	3.9
Somewhat agree	28.6	32.4	27.4	32.4	29.1	24.6
Strongly agree	63.7	59.9	65.0	60.6	64.4	67.4
	N = 15899	N = 4095	N = 11798	N = 4137	N = 4325	N = 5462



(3) The march energized me

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Strongly disagree	2.1	1.6	2.3	1.7	1.7	2.7
Somewhat disagree	2.7	3.3	2.5	3.0	2.3	2.2
Neither agree nor disagree	8.9	11.4	8.1	9.8	8.2	8.4
Somewhat agree	39.9	43.0	38.8	40.3	41.0	38.7
Strongly agree	46.4	40.8	48.3	45.2	46.8	47.9
	N = 15911	N = 4095	N = 11810	N = 4143	N = 4324	N = 5462

(4) After the march, I am more pessimistic about the future of science

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Strongly disagree	22.3	20.6	22.9	23.4	20.8	23.5
Somewhat disagree	32.8	32.5	32.9	37.3	33.1	29.6
Neither agree nor disagree	30.3	32.7	29.5	27.9	31.7	30.3
Somewhat agree	11.8	11.5	11.8	9.0	12.0	13.2
Strongly agree	2.8	2.6	2.9	2.3	2.5	3.3
	N = 15918	N = 4098	N = 11814	N = 4143	N = 4334	N = 5459



Table #25

The following six items were asked under this stem:

On the whole, how positive or negative do you think the response to the March for Science has been from the following groups and individuals? *Asked of people in the United States

(1) Donald Trump

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Extremely negative	43.2	35.8	45.5	34.9	39.8	51.5
Somewhat negative	25.0	27.4	24.2	29.6	25.8	21.2
Neutral	9.9	11.6	9.4	11.0	10.4	8.7
Somewhat positive	0.9	0.9	0.9	0.9	0.8	1.0
Extremely positive	0.4	0.3	0.4	0.3	0.4	0.4
Few reactions either way	20.6	24.0	19.5	23.3	22.8	17.2
	N = 16357	N = 3887	N = 12466	N = 4493	N = 4895	N = 6162



(2) Republicans in Congress

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Extremely negative	27.5	20.8	29.5	21.1	25.9	33.0
Somewhat negative	36.4	36.9	36.3	39.3	35.6	35.2
Neutral	14.0	16.8	13.2	15.7	14.2	12.9
Somewhat positive	3.6	4.2	3.4	3.7	3.4	3.5
Extremely positive	0.1	0.2	0.1	0.2	0.0	0.1
Few reactions either way	18.3	21.2	17.4	19.8	20.8	15.3
	N = 16330	N = 3883	N = 12443	N = 4487	N = 4884	N = 6153

(3) Democrats in Congress

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Extremely negative	0.2	0.2	0.2	0.2	0.2	0.2
Somewhat negative	0.8	0.6	0.9	0.8	0.8	0.8
Neutral	12.5	13.7	12.2	13.0	13.9	10.7
Somewhat positive	52.7	52.1	52.9	51.0	51.2	55.6
Extremely positive	26.0	24.1	26.6	25.7	24.8	27.4
Few reactions either way	7.7	9.2	7.2	9.3	9.2	5.3
	N = 16346	N = 3884	N = 12458	N = 4486	N = 4895	N = 6161



(4) The news media

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Extremely negative	0.2	0.3	0.2	0.4	0.2	0.1
Somewhat negative	2.2	2.2	2.2	3.3	2.2	1.5
Neutral	21.3	20.9	21.4	24.2	21.4	18.5
Somewhat positive	55.0	55.8	54.7	50.1	55.3	58.5
Extremely positive	14.7	13.9	14.9	12.6	13.8	16.9
Few reactions either way	6.6	6.8	6.5	9.2	7.0	4.6
	N = 16381	N = 3888	N = 12489	N = 4487	N = 4902	N = 6178

(5) Scientists themselves

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Extremely negative	0.1	0.2	0.1	0.0	0.1	0.1
Somewhat negative	0.5	0.9	0.4	0.9	0.3	0.4
Neutral	5.1	5.0	5.1	4.9	5.0	5.1
Somewhat positive	41.3	44.5	40.3	38.0	41.8	43.5
Extremely positive	49.5	46.7	50.3	52.9	49.6	46.9
Few reactions either way	3.6	2.8	3.8	3.2	3.2	4.0
	N = 16363	N = 3901	N = 12458	N = 4510	N = 4898	N = 6145



(6) The American public

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Extremely negative	0.1	0.2	0.1	0.1	0.1	0.2
Somewhat negative	2.6	2.7	2.6	3.4	2.1	2.4
Neutral	31.2	35.1	30.0	31.4	31.6	30.7
Somewhat positive	48.4	44.9	49.5	45.1	47.9	51.5
Extremely positive	6.4	4.0	7.2	7.2	6.1	6.0
Few reactions either way	11.2	13.1	10.6	12.9	12.2	9.1
	N = 16369	N=3890	N = 12475	N = 4496	N = 4903	N = 6163



Table #26

The following four items were asked under this stem:

On the whole, how positive or negative do you think the response to the March for Science has been from the following groups and individuals? *Asked of people outside the United States

(1) The government

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Extremely negative	7.9	5.1	9.0	6.6	7.2	10.9
Somewhat negative	22.1	19.7	23.2	20.4	22.0	24.4
Neutral	35.9	38.9	34.7	35.2	38.3	33.8
Somewhat positive	15.3	17.0	14.5	13.6	14.2	16.9
Extremely positive	3.0	3.9	2.6	2.8	2.7	4.3
Few reactions either way	15.7	15.4	15.9	21.4	15.7	9.8
	N = 1671	N = 507	N = 1162	N = 574	N = 528	N = 468



(2) The news media

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Extremely negative	0.3	0	0.4	0.2	0.0	0.6
Somewhat negative	2.9	2.9	2.8	3.1	3.4	1.7
Neutral	15.5	14.1	16.2	15.6	15.8	15.1
Somewhat positive	57.3	58.0	57.0	57.1	57.3	57.7
Extremely positive	17.9	18.7	17.5	17.2	16.2	20.4
Few reactions either way	6.1	6.3	6.1	6.8	7.3	4.5
	N = 1675	N = 509	N = 1164	N = 576	N=530	N = 470

(3) Scientists themselves

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Extremely negative	0	0	0	0	0	0
Somewhat negative	0.5	1.2	0.3	0.7	0.8	0.2
Neutral	6.2	6.7	6.0	6.1	6.2	5.0
Somewhat positive	40.9	44.4	39.4	37.3	43.9	42.5
Extremely positive	48.9	44.2	50.9	52.7	46.3	48.2
Few reactions either way	3.5	3.6	3.5	3.3	2.8	4.1
	N = 1666	N = 507	N = 1157	N = 577	N = 529	N = 461



(4) The public

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Extremely negative	0.1	0	0.1	0.0	0	0.2
Somewhat negative	1.5	1.6	1.5	2.1	1.1	1.1
Neutral	22.8	23.9	22.3	22.9	23.1	21.1
Somewhat positive	52.8	51.9	53.2	50.7	53.2	56.8
Extremely positive	13.0	11.6	13.6	12.7	13.0	13.0
Few reactions either way	9.8	11.0	9.3	11.6	9.6	7.9
	N = 1679	N = 507	N = 1170	N = 576	N = 532	N = 470



Table #27

We are also interested in the response you personally received for participating in the March for Science. Please indicate the overall tone of feedback you have received about your participation.

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Mostly or entirely negative	0.1	0.1	0.2	0.2	0.1	0.1
Mixed but leaning negative	0.6	0.6	0.6	1.0	0.5	0.5
Mixed - about 50/50 negative and positive	2.6	2.1	2.8	3.6	2.4	1.8
Mixed but leaning positive	11.5	11.5	11.5	15.1	11.0	9.2
Mostly or entirely positive	74.1	75.4	73.6	69.9	75.5	76.4
I got few reactions either way	11.1	10.3	11.4	10.3	10.5	12.0
	N = 13456	N = 3597	N = 9855	N = 3772	N = 3980	N = 5061



Table #28

We are interested in any concerns you might have about your participation in the march. Please select all that apply.

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
I fear my participation in the march will be harmful to me professionally	2.0	2.7	1.7	3.0	2.2	0.9
I fear the march was counter-productive	3.8	4.9	3.4	7.8	3.0	1.2
I am concerned the march was not effective at reaching its goals	45.8	49.6	44.4	49.0	44.4	43.2
I am concerned about the lack of diversity in the march	20.5	19.4	20.9	21.9	21.0	18.9
	N = 15124	N = 3925	N = 11193	N = 4149	N = 4340	N = 5496



Other advocacy actions

Nearly all participants said they were taking a variety of other actions to advance the goals that brought them to participate in the march (see Tables 29 and 30). The most commonly taken action was “discussing science-related issues with their family and friends (offline),” an action indicated by 97% of participants, most of whom (56%) had done so “many (6+)” times in the last six months. Substantial majorities also indicated they were seeking to contact government officials (83%), attending another march or demonstration (80%), donating money to a scientific or political organization (78%), and discussing science-related issues online (73%). However, relatively few participants (29%) sought to engage with the media (via letters to the editor, talking with journalists, or participating in a call-in radio show).

A majority of participants expressed a moderate or higher level of confidence in their ability to perform a number of advocacy actions (see Table 32), including discussing science related issues with family and friends (93%), attending another march (87%), contacting government officials (74%), and discussing science-related issues online (74%). Participants felt the least confident about engaging with the media, with only half (50%) showing moderate or higher confidence in their ability to do that action.

There was a perceptual gap between people who said they had previously performed certain advocacy actions and those who had not in terms of whether they had received (or expected to receive) negative feedback from others for performing those actions (Tables 35 and 36). For example, 15% of participants who had not discussed science-related issues online thought they would receive negative feedback (leaning or mostly negative) if they did so, while only 3% of participants who said they actually had discussed science-related issues online reported negative feedback. Put another way, 45% of participants who had not previously discussed science-related issues online thought they would receive positive feedback (leaning or mostly positive) if they did so, while 76% of those who said they actually had discussed science-related issues online said they received positive feedback. This general pattern held across all other actions.

Differences between scientists and non-scientists

There was little difference between scientists and non-scientists regarding other advocacy actions. Non-scientists were slightly more likely than scientists to say they were contacting government officials (84% to 80%) and attending another march or public demonstration (81% to 77%; see Table 29).

A little less than half of scientists (48%) indicated that they were giving a non-technical public talk about their research to personally advance the goals they hoped the march would achieve (this question was only presented to scientists).

There was little difference between scientists and non-scientists in terms of confidence in their ability to perform certain advocacy actions (see Table 32). The two actions where scientists showed the most confidence relative to non-scientists were donating money to a scientific or political organization (77%



expressing moderate or higher confidence to 71%) and engaging with the media (55% expressing moderate or higher confidence to 49%).

Differences by age group

Older adults were more likely than younger adults to say they were contacting government officials (88% to 74%) and donating money to a scientific or political organization (84% to 67%, see Table 29). In contrast, younger adults were more likely to say they were discussing science-related issues online (77% to 64%).

Older adults tended to show more confidence in their ability to engage in other actions (see Table 32). Older adults showed higher confidence (moderate or higher) compared to younger adults in contacting government officials (79% to 69%), donating money to a scientific or political organization (77% to 65%), and engaging with media (58% to 42%). In contrast, younger adults showed more confidence (moderate or higher) than older adults in discussing science-related issues online (79% to 68%).



Table #29

The following seven items were asked under this stem:

Besides participating in the march, which of the following ways are you personally seeking to implement the goals you indicated?

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
(1) Contacting government officials						
Yes	82.9	80.1	83.8	74.2	85.4	88.1
No	17.1	19.9	16.2	25.8	14.6	11.9
	N = 18605	N = 4523	N = 14075	N = 5119	N = 5439	N = 6585
(2) Donating money to a scientific or political organization						
Yes	77.5	77.3	77.6	66.6	80.7	84.4
No	22.5	22.7	22.4	33.4	19.3	15.6
	N = 18435	N = 4504	N = 13924	N = 5098	N = 5403	N = 6585
(3) Attending a march or public demonstration						
Yes	79.9	77.0	80.8	77.1	81.3	81.1
No	20.1	23.0	19.2	22.9	18.7	18.9
	N = 18399	N = 4469	N = 13923	N = 5105	N = 5406	N = 6447
(4) Discussing science-related issues online (e.g., blog, Facebook)						
Yes	72.5	70.3	73.3	77.0	78.3	64.3
No	27.5	29.7	26.7	23.0	21.7	35.7
	N = 18273	N = 4451	N = 13816	N = 5124	N = 5379	N = 6327



(5) Discussing science-related issues with my family and friends (offline)

	Percent	Percent	Percent	Percent	Percent	Percent
Yes	97.2	97.6	97.2	97.6	97.4	97.1
No	2.8	2.4	2.8	2.4	2.6	2.9
	N = 18779	N = 4559	N = 14212	N = 5158	N = 5476	N = 6648

(6) Engaging with the media (e.g. letter to the editor, talking with journalists, radio call-in show)

Yes	28.5	29.8	28.0	24.1	26.7	33.2
No	71.5	70.2	72.0	75.9	73.3	66.8
	N = 17737	N = 4390	N = 13341	N = 5046	N = 5209	N = 6113

(7) Giving a non-technical public talk about your research (asked only of scientists)

Yes	----	47.5	----	44.8	49.6	48.0
No	----	52.5	----	55.2	50.4	52.0
	----	N = 4413	----	N = 1420	N = 1418	N = 1253



Table #30

The following seven items were asked under this stem:

Over the past 6 months, how many times did you engage in each of these selected actions to defend or promote science?

(1) Contacting government officials

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
None	6.1	6.7	5.9	8.3	5.3	5.2
Once	12.9	14.8	12.3	17.3	12.5	10.4
A few (2-3)	37.0	38.7	36.6	39.9	36.8	35.2
Several (4-5)	20.0	20.2	20.0	16.1	20.5	22.4
Many (6+)	24.0	19.6	25.3	18.5	24.9	26.8
	N = 4874	N = 1101	N = 3772	N = 1262	N = 1496	N = 1933

(2) Donating money to a scientific or political organization

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
None	5.7	5.7	5.7	9.8	5.1	3.5
Once	21.1	21.7	20.9	28.7	21.4	15.9
A few (2-3)	44.1	43.9	44.2	42.7	45.8	43.7
Several (4-5)	16.5	16.5	16.5	9.8	16.5	20.7
Many (6+)	12.5	12.1	12.6	8.9	11.2	16.3
	N = 4509	N = 1072	N = 3436	N = 1127	N = 1422	N = 1796



(3) Attending a march or public demonstration

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
None	10.4	8.5	10.9	11.5	11.1	8.6
Once	39.6	43.0	38.5	45.6	39.6	35.3
A few (2-3)	37.7	38.6	37.4	35.9	37.2	39.6
Several (4-5)	8.1	6.5	8.5	4.2	8.2	10.7
Many (6+)	4.3	3.4	4.7	2.8	3.9	5.8
	N = 4645	N = 1074	N = 3569	N = 1288	N = 1426	N = 1751

(4) Discussing science-related issues online (e.g., blog, Facebook)

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
None	3.2	3.4	3.2	2.4	2.7	4.1
Once	3.6	3.9	3.6	4.7	2.6	3.7
A few (2-3)	26.8	29.0	26.1	29.8	23.7	26.6
Several (4-5)	25.1	22.5	26.0	23.3	25.0	27.6
Many (6+)	41.2	41.1	41.3	39.8	46.0	38.0
	N = 4193	N = 988	N = 3204	N = 1287	N = 1386	N = 1363

(5) Discussing science-related issues with my family and friends (offline)

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
None	0.4	0.1	0.5	0.4	0.3	0.4
Once	1.0	1.4	0.9	1.1	0.8	1.1
A few (2-3)	17.9	18.6	17.7	16.4	17.7	19.5
Several (4-5)	24.5	24.4	24.6	21.6	24.4	26.4
Many (6+)	56.1	55.5	56.3	60.4	56.8	52.8
	N = 5757	N = 1365	N = 4390	N = 1664	N = 1717	N = 2163



(6) Engaging with the media (e.g. letter to the editor, talking with journalists, radio call-in show)

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
None	30.1	28.8	30.6	37.8	27.6	27.9
Once	25.5	27.8	24.8	28.1	24.2	24.5
A few (2-3)	28.3	28.0	28.5	22.7	30.1	30.4
Several (4-5)	8.1	9.5	7.5	5.4	8.3	9.1
Many (6+)	8.0	6.0	8.7	6.1	9.8	8.0
	N = 1588	N = 400	N = 1187	N = 392	N = 471	N = 648

(7) Giving a non-technical public talk about your research (asked only of scientists)

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
None	----	26.0	----	30.0	25.2	20.9
Once	----	33.3	----	33.3	33.9	34.5
A few (2-3)	----	29.1	----	26.2	30.9	29.4
Several (4-5)	----	6.5	----	6.2	5.7	7.9
Many (6+)	----	5.1	----	4.3	4.3	7.3
	----	N = 649	----	N = 210	N = 230	N = 177

Note: Question was only asked of those who indicated they were seeking to do the above items.



Table #31

The following seven items were asked under this stem:

Over the next 6 months, how likely are you to engage in each of the following actions to defend or promote science?

(1) Contacting government officials

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Not at all likely	7.7	9.9	7.0	10.2	7.3	6.0
Slightly likely	14.9	15.7	14.7	20.0	13.6	12.1
Moderately likely	22.5	22.8	22.5	25.2	21.0	21.8
Very likely	27.2	27.4	27.2	22.2	29.3	29.5
Extremely likely	27.6	24.1	28.7	22.5	28.9	30.6
	N = 5946	N = 1398	N = 4546	N = 1697	N = 1778	N = 2250

(2) Donating money to a scientific or political organization

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Not at all likely	11.5	11.2	11.6	15.9	9.3	9.7
Slightly likely	21.5	19.9	22.0	28.1	21.2	16.6
Moderately likely	24.6	25.6	24.3	24.2	23.2	26.0
Very likely	22.7	23.0	22.7	16.6	24.5	25.7
Extremely likely	19.7	20.2	19.5	15.3	21.8	22.0
	N = 5936	N = 1398	N = 4536	N = 1696	N = 1782	N = 2240



(3) Attending a march or public demonstration

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Not at all likely	5.4	5.6	5.3	6.0	5.0	5.1
Slightly likely	21.7	25.3	20.6	23.5	22.9	19.5
Moderately likely	32.1	34.6	31.3	33.7	31.1	31.6
Very likely	24.1	20.6	25.1	22.1	24.2	25.4
Extremely likely	16.8	14.0	17.6	14.6	16.9	18.4
	N = 5931	N = 1397	N = 4532	N = 1695	N = 1779	N = 2239

(4) Discussing science-related issues online (e.g., blog, Facebook)

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Not at all likely	18.0	17.8	18.1	12.4	13.0	26.1
Slightly likely	11.1	11.5	11.0	12.3	8.7	12.3
Moderately likely	14.6	17.1	13.9	15.8	14.5	13.6
Very likely	21.8	19.9	22.4	21.6	23.8	20.2
Extremely likely	34.4	33.7	34.6	38.0	40.0	27.9
	N = 5917	N = 1396	N = 4519	N = 1695	N = 1775	N = 2233

(5) Discussing science-related issues with my family and friends (offline)

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Not at all likely	0.7	0.4	0.8	0.6	0.4	0.8
Slightly likely	3.1	3.1	3.1	1.9	3.4	3.8
Moderately likely	10.7	11.2	10.5	9.2	9.6	12.6
Very likely	28.2	27.6	28.3	26.2	27.5	30.1
Extremely likely	57.3	57.7	57.3	62.0	59.2	52.6
	N = 5932	N = 1399	N = 4531	N = 1693	N = 1777	N = 2246



(6) Engaging with the media (e.g. letter to the editor, talking with journalists, radio call-in show)

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Not at all likely	34.5	33.9	34.7	40.4	35.7	29.0
Slightly likely	33.2	33.0	33.2	32.4	33.5	33.6
Moderately likely	18.3	18.9	18.1	15.6	16.5	21.8
Very likely	7.2	7.2	7.2	5.8	6.0	9.0
Extremely likely	6.9	7.0	6.8	5.7	8.3	6.7
	N = 5893	N = 1395	N = 4496	N = 1689	N = 1769	N = 2221

(7) Giving a non-technical public talk about your research (asked only of scientists)

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Not at all likely	----	25.4	----	24.1	25.6	27.5
Slightly likely	----	29.1	----	29.5	28.6	29.0
Moderately likely	----	22.2	----	22.8	20.6	22.7
Very likely	----	12.2	----	13.4	11.6	11.1
Extremely likely	----	11.1	----	10.2	13.7	9.6
	----	N = 1388	----	N = 461	N = 476	N = 396



Table #32

The following seven items were asked under this stem:

Please indicate how confident you are in your ability to engage in the following actions to reduce harm to science from the current Congress and the president.

(1) Contacting government officials

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Not at all confident	10.0	11.3	9.6	12.3	8.9	9.1
Slightly confident	15.6	15.2	15.7	18.9	14.4	13.1
Moderately confident	26.4	26.3	26.5	27.8	26.6	25.5
Very confident	26.2	26.8	26.0	22.9	25.7	29.0
Extremely confident	21.8	20.4	22.2	18.1	24.4	23.2
	N = 5764	N = 1405	N = 4356	N = 1612	N = 1774	N = 2132

(2) Donating money to a scientific or political organization

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Not at all confident	10.5	9.2	10.9	14.2	9.0	8.4
Slightly confident	17.2	14.3	18.2	21.0	16.1	15.1
Moderately confident	24.9	23.5	25.4	24.7	24.9	25.3
Very confident	26.3	27.7	25.8	22.9	26.8	28.4
Extremely confident	21.0	25.3	19.6	17.3	23.2	22.9
	N = 5751	N = 1401	N = 4347	N = 1608	N = 1773	N = 2126



(3) Attending a march or public demonstration

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Not at all confident	3.0	3.3	2.9	3.2	2.4	3.3
Slightly confident	10.3	10.2	10.3	10.1	10.6	10.0
Moderately confident	23.0	22.9	23.1	24.5	23.1	21.5
Very confident	35.0	35.3	34.9	34.7	34.7	34.9
Extremely confident	28.7	28.2	28.8	27.4	29.2	30.1
	N = 5759	N = 1406	N = 4350	N = 1607	N = 1777	N = 2130

(4) Discussing science-related issues online (e.g., blog, Facebook)

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Not at all confident	13.1	12.7	13.2	8.8	9.9	18.5
Slightly confident	13.0	13.0	13.0	11.9	12.8	13.9
Moderately confident	21.2	20.8	21.3	20.7	21.4	21.1
Very confident	26.3	25.6	26.5	27.5	27.0	24.8
Extremely confident	26.4	28.0	25.8	31.0	29.0	21.7
	N = 5693	N = 1391	N = 4299	N = 1601	N = 1775	N = 2082



(5) Discussing science-related issues with my family and friends (offline)

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Not at all confident	1.4	2.0	1.3	1.3	1.5	1.4
Slightly confident	5.5	4.1	5.9	4.5	5.5	5.7
Moderately confident	16.4	13.8	17.2	15.4	17.2	15.9
Very confident	34.4	33.8	34.6	32.3	32.8	36.8
Extremely confident	42.4	46.3	41.1	46.5	43.1	40.2
	N = 5749	N = 1406	N = 4340	N = 1605	N = 1774	N = 2125

(6) Engaging with the media (e.g. letter to the editor, talking with journalists, radio call-in show)

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Not at all confident	23.2	20.2	24.2	27.6	24.4	18.5
Slightly confident	26.6	25.1	27.1	30.8	26.3	24.0
Moderately confident	25.0	25.8	24.8	20.7	26.2	27.4
Very confident	14.8	16.6	14.2	11.6	13.9	18.2
Extremely confident	10.3	12.3	9.6	9.4	9.2	11.9
	N = 5712	N = 1398	N = 4311	N = 1602	N = 1775	N = 2100



(7) Giving a non-technical public talk about your research (asked only of scientists)

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Not at all confident	----	10.5	----	9.1	10.8	11.0
Slightly confident	----	15.7	----	18.7	12.5	16.0
Moderately confident	----	24.5	----	26.2	25.1	22.2
Very confident	----	24.0	----	22.7	25.1	24.7
Extremely confident	----	25.2	----	23.2	26.6	26.1
	----	N = 1391	----	N = 427	N = 463	N = 445

Table #33

The following seven items were asked under this stem:

Over the past 6 months, how many times did you engage in any of the following actions to reduce harm to science from the current Congress and the president?

(1) Contacting government officials

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
None	18.3	19.8	17.9	27.3	16.7	12.8
Once	11.9	12.4	11.7	14.1	10.6	11.0
A few (2-3)	29.4	31.2	28.9	28.8	31.1	29.0
Several (4-5)	18.3	15.9	19.1	14.3	17.7	22.0
Many (6+)	22.0	20.6	22.5	15.5	23.9	25.3
	N = 5631	N = 1371	N = 4257	N = 1596	N = 1770	N = 2114



(2) Donating money to a scientific or political organization

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
None	20.5	20.0	20.6	32.4	19.0	12.3
Once	19.0	16.6	19.8	23.3	19.0	15.6
A few (2-3)	35.3	35.3	35.3	28.7	38.6	37.8
Several (4-5)	14.8	16.6	14.3	9.5	13.1	20.3
Many (6+)	10.4	11.5	10.0	6.1	10.3	14.0
	N = 5634	N = 1371	N = 4260	N = 1596	N = 1775	N = 2113

(3) Attending a march or public demonstration

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
None	14.2	11.7	15.0	15.8	15.2	12.1
Once	41.5	44.6	40.5	47.5	41.9	36.8
A few (2-3)	32.6	33.4	32.3	29.1	32.6	35.3
Several (4-5)	7.9	7.7	8.0	5.2	7.1	10.5
Many (6+)	3.8	2.6	4.2	2.4	3.2	5.3
	N = 5626	N = 1367	N = 4256	N = 1596	N = 1770	N = 2113

(4) Discussing science-related issues online (e.g., blog, Facebook)

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
None	25.2	26.9	24.7	19.0	18.7	34.4
Once	5.1	4.7	5.3	6.1	4.9	4.5
A few (2-3)	21.9	21.5	22.0	24.9	21.1	20.6
Several (4-5)	17.7	17.1	18.0	18.1	19.8	16.0
Many (6+)	30.0	29.8	30.1	31.9	35.6	24.4
	N = 5597	N = 1362	N = 4232	N = 1593	N = 1771	N = 2090



(5) Discussing science-related issues with my family and friends (offline)

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
None	1.5	1.2	1.6	1.3	1.4	1.6
Once	1.9	2.0	1.9	1.9	1.7	2.0
A few (2-3)	17.7	16.9	17.9	17.3	17.4	17.7
Several (4-5)	26.0	24.5	26.5	21.4	24.7	30.3
Many (6+)	52.9	55.3	52.1	58.0	54.8	48.4
	N = 5629	N = 1369	N = 4257	N = 1595	N = 1773	N = 2113

(6) Engaging with the media (e.g. letter to the editor, talking with journalists, radio call-in show)

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
None	72.0	69.5	72.8	77.9	75.3	64.6
Once	12.1	14.0	11.5	11.2	10.9	13.8
A few (2-3)	10.5	11.4	10.2	6.8	9.5	14.5
Several (4-5)	2.9	2.7	3.0	1.8	2.5	3.9
Many (6+)	2.5	2.3	2.5	2.4	1.8	3.2
	N = 5600	N = 1362	N = 4235	N = 1595	N = 1768	N = 2093

(7) Giving a non-technical public talk about your research (asked only of scientists)

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
None	----	62.3	----	65.9	58.7	64.1
Once	----	17.1	----	17.1	19.0	14.1
A few (2-3)	----	14.3	----	13.0	15.6	14.6
Several (4-5)	----	3.9	----	1.9	3.7	5.4
Many (6+)	----	2.4	----	2.1	3.0	1.8
	----	N=1359	----	N = 422	N = 462	N = 446



Table #34

The following seven items were asked under this stem:

Over the next 6 months, how likely are you to engage in the following actions to reduce harm to science from the current Congress and the president?

(1) Contacting government officials

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Not at all likely	8.6	10.6	7.9	12.6	7.6	6.3
Slightly likely	15.6	16.7	15.2	20.3	13.9	12.8
Moderately likely	20.3	20.4	20.2	21.7	20.8	18.8
Very likely	25.5	24.1	25.9	21.6	24.6	29.6
Extremely likely	30.1	28.3	30.7	23.8	33.2	32.4
	N = 5594	N = 1362	N = 4229	N = 1592	N = 1759	N = 2100

(2) Donating money to a scientific or political organization

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Not at all likely	12.4	11.7	12.6	18.5	11.3	8.3
Slightly likely	21.4	20.9	21.6	27.3	20.1	18.0
Moderately likely	22.8	22.2	23.0	21.0	23.7	23.2
Very likely	22.7	22.1	22.9	16.4	22.7	28.0
Extremely likely	20.7	23.1	19.9	16.8	22.2	22.6
	N = 5590	N = 1362	N = 4225	N = 1591	N = 1758	N = 2098



(3) Attending a march or public demonstration

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Not at all likely	6.3	8.2	5.7	7.5	5.3	6.3
Slightly likely	21.8	25.0	20.8	23.7	22.7	19.6
Moderately likely	29.4	30.5	29.0	31.0	29.5	28.2
Very likely	24.0	21.3	24.9	21.8	23.6	25.7
Extremely likely	18.4	15.0	19.6	16.0	18.9	20.2
	N = 5591	N = 1359	N = 4229	N = 1589	N = 1757	N = 2103

(4) Discussing science-related issues online (e.g., blog, Facebook)

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Not at all likely	20.5	21.7	20.1	13.9	15.6	28.8
Slightly likely	12.3	12.5	12.2	13.0	10.4	13.3
Moderately likely	15.3	15.5	15.2	15.8	15.2	14.7
Very likely	20.7	17.8	21.6	21.4	22.0	19.3
Extremely likely	31.3	32.6	30.9	35.9	36.9	24.0
	N = 5572	N = 1357	N = 4212	N = 1590	N = 1758	N = 2086

(5) Discussing science-related issues with my family and friends (offline)

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Not at all likely	1.1	0.9	1.1	0.9	1.0	1.1
Slightly likely	4.8	4.9	4.8	4.4	4.4	5.4
Moderately likely	13.2	12.8	13.3	11.6	13.2	13.9
Very likely	28.0	25.1	28.9	25.5	25.8	31.5
Extremely likely	52.9	56.3	51.8	57.6	55.6	48.1
	N = 5579	N = 1360	N = 4216	N = 1588	N = 1756	N = 2095



(6) Engaging with the media (e.g. letter to the editor, talking with journalists, radio call-in show)

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Not at all likely	38.6	35.2	39.7	45.6	39.0	32.4
Slightly likely	30.5	32.2	30.0	30.0	32.0	29.8
Moderately likely	16.4	18.4	15.7	13.3	16.1	19.2
Very likely	7.9	8.1	7.8	5.2	6.9	10.8
Extremely likely	6.7	6.2	6.8	5.9	6.1	7.8
	N = 5538	N = 1356	N = 4179	N = 1581	N = 1750	N = 2071

(7) Giving a non-technical public talk about your research (asked only of scientists)

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Not at all likely	----	30.0	----	31.0	27.7	31.5
Slightly likely	----	31.2	----	33.2	31.4	28.8
Moderately likely	----	18.3	----	18.6	18.3	18.8
Very likely	----	10.2	----	7.2	11.6	11.3
Extremely likely	----	10.3	----	10.0	10.9	9.5
	----	N = 1345	----	N = 419	N = 458	N = 441



Table #35

The following seven items were asked under this stem:

You indicated you have done the following actions to defend or promote science once or more in the last 6 months. For each of the actions below, please indicate the overall tone of feedback you have received.

(1) Contacting government officials

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Mostly or entirely negative	4.5	3.9	4.7	4.6	4.6	4.7
Mixed but leaning negative	8.1	7.8	8.1	7.5	6.8	9.2
Mixed - about 50/50 negative and positive	12.6	13.2	12.5	12.4	11.1	14.0
Mixed but leaning positive	13.0	11.8	13.3	11.8	13.6	13.2
Mostly or entirely positive	26.1	25.0	26.4	23.2	27.1	27.1
I got very few reactions either way	35.7	38.2	35.0	40.6	36.8	31.8
	N = 4469	N = 999	N = 3469	N = 1138	N = 1407	N = 1812



(2) Donating money to a scientific or political organization

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Mostly or entirely negative	0.1	0.1	0.1	0	0.1	0.2
Mixed but leaning negative	0.3	0.5	0.3	0.1	0.2	0.4
Mixed - about 50/50 negative and positive	2.8	2.3	2.9	2.9	2.9	2.8
Mixed but leaning positive	8.0	6.5	8.5	8.9	7.4	8.0
Mostly or entirely positive	54.8	51.2	55.9	48.3	54.0	59.4
I got very few reactions either way	33.9	39.3	32.2	39.9	35.4	29.1
	N = 4140	N = 980	N = 3159	N = 1005	N = 1332	N = 1704



(3) Attending a march or public demonstration

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Mostly or entirely negative	0.1	0.1	0.1	0	0.2	0.1
Mixed but leaning negative	0.9	0.8	0.9	1.0	0.9	0.8
Mixed - about 50/50 negative and positive	4.0	3.5	4.2	5.2	2.9	3.9
Mixed but leaning positive	16.8	16.2	17.1	21.8	17.4	12.7
Mostly or entirely positive	69.0	68.5	69.1	62.7	70.1	73.0
I got very few reactions either way	9.2	10.9	8.7	9.4	8.4	9.6
	N = 4061	N = 952	N = 3108	N = 1125	N = 1256	N = 1580



(4) Discussing science-related issues online (e.g., blog, Facebook)

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Mostly or entirely negative	0.4	0.3	0.5	0.6	0.5	0.2
Mixed but leaning negative	2.8	2.4	2.9	4.3	2.2	1.9
Mixed - about 50/50 negative and positive	13.5	12.8	13.7	17.9	12.5	10.4
Mixed but leaning positive	33.0	32.6	33.1	35.8	32.2	31.6
Mostly or entirely positive	42.6	43.5	42.4	33.7	45.7	47.6
I got very few reactions either way	7.7	8.4	7.5	7.6	6.9	8.3
	N = 3961	N = 924	N = 3036	N = 1244	N = 1336	N = 1293



(5) Discussing science-related issues with my family and friends (offline)

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Mostly or entirely negative	0.2	0.1	0.3	0.2	0.4	0.1
Mixed but leaning negative	1.6	1.6	1.6	2.9	1.5	0.8
Mixed - about 50/50 negative and positive	8.3	7.5	8.5	13.1	7.8	5.0
Mixed but leaning positive	23.0	22.0	23.3	28.7	22.7	19.5
Mostly or entirely positive	62.9	63.5	62.6	51.4	64.1	70.3
I got very few reactions either way	4.0	5.3	3.6	3.7	3.5	4.3
	N = 5610	N = 1325	N = 4283	N = 1639	N = 1699	N = 2130



(6) Engaging with the media (e.g. letter to the editor, talking with journalists, radio call-in show)

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Mostly or entirely negative	0.4	0.4	0.4	0.4	0.3	0.2
Mixed but leaning negative	2.7	2.9	2.6	4.2	2.4	1.8
Mixed - about 50/50 negative and positive	17.4	13.0	19.0	18.3	16.1	17.8
Mixed but leaning positive	26.6	26.8	26.5	23.8	22.4	31.5
Mostly or entirely positive	27.1	35.9	23.9	30.8	31.0	23.1
I got very few reactions either way	25.8	21.0	27.5	22.5	27.8	25.6
	N = 1072	N = 276	N = 795	N = 240	N = 335	N = 454



(7) Giving a non-technical public talk about your research (asked only of scientists)

	<u>All Respondents</u>	<u>Scientists</u>	<u>Non-Scientists</u>	<u>Young Adults (18-35)</u>	<u>Middle-Aged Adults (36-55)</u>	<u>Older Adults (older than 55)</u>
Mostly or entirely negative	----	0.0	----	0.0	0.0	0.0
Mixed but leaning negative	----	0.2	----	0.0	0.0	0.7
Mixed - about 50/50 negative and positive	----	3.7	----	2.1	4.7	2.2
Mixed but leaning positive	----	12.7	----	11.0	18.1	8.8
Mostly or entirely positive	----	77.4	----	78.6	73.7	82.4
I got very few reactions either way	----	6.0	----	8.3	3.5	5.9
	----	N = 465	----	N = 145	N = 171	N = 136



Table #36

The following seven items were asked under this stem:

You indicated you have not done the following actions to defend or promote science in the last 6 months. For each of the actions below, please indicate the overall tone of feedback you would expect if you were to take the action.

(1) Contacting government officials

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Mostly or entirely negative	6.6	5.5	6.9	5.8	9.0	6.1
Mixed but leaning negative	11.1	12.3	10.6	9.7	9.0	15.2
Mixed - about 50/50 negative and positive	21.8	24.7	20.8	20.4	20.5	24.2
Mixed but leaning positive	18.7	19.2	18.5	14.6	19.2	21.2
Mostly or entirely positive	11.8	15.1	10.6	15.5	14.1	6.1
I would expect very few reactions either way	30.1	23.3	32.4	34.0	28.2	27.3
	N = 289	N = 73	N = 216	N = 103	N = 78	N = 99



(2) Donating money to a scientific or political organization

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Mostly or entirely negative	0.8	1.7	0.5	0	1.4	1.7
Mixed but leaning negative	1.6	1.7	1.6	0.9	2.8	8.3
Mixed - about 50/50 negative and positive	6.3	11.7	4.7	6.4	5.6	
Mixed but leaning positive	13.5	13.3	13.5	14.5	9.9	10.0
Mostly or entirely positive	48.8	48.3	49.0	50.0	50.7	46.7
I would expect very few reactions either way	29.0	23.3	30.7	28.2	29.6	33.3
	N = 252	N = 60	N = 192	N = 110	N = 71	N = 60



(3) Attending a march or public demonstration

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Mostly or entirely negative	0.8	0	1.0	0	0.6	2.0
Mixed but leaning negative	2.7	1.1	3.1	2.1	2.5	3.4
Mixed - about 50/50 negative and positive	11.4	11.1	11.5	11.6	12.7	10.7
Mixed but leaning positive	29.7	25.6	30.8	34.2	29.7	24.8
Mostly or entirely positive	45.6	47.8	44.9	44.5	47.5	45.6
I would expect very few reactions either way	9.7	14.4	8.6	7.5	7.0	13.4
	N = 474	N = 90	N = 383	N = 146	N = 158	N = 149



(4) Discussing science-related issues online (e.g., blog, Facebook)

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Mostly or entirely negative	6.3	9.4	5.3	3.3	0	11.1
Mixed but leaning negative	8.7	6.3	9.5	10.0	8.3	9.3
Mixed - about 50/50 negative and positive	26.8	28.1	26.3	20.0	33.3	25.9
Mixed but leaning positive	22.0	31.3	18.9	36.7	19.4	18.5
Mostly or entirely positive	22.8	15.6	25.3	30.0	16.7	22.2
I would expect very few reactions either way	13.4	9.4	14.7	0.0	22.2	13.0
	N = 127	N = 32	N = 95	N = 30	N = 36	N = 54



(5) Discussing science-related issues with my family and friends (offline)

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Mostly or entirely negative	4.3	0	4.5	14.3	0	0
Mixed but leaning negative	8.7	0	9.1	0	20.0	0
Mixed - about 50/50 negative and positive	26.1	0	27.3	42.9	20.0	0
Mixed but leaning positive	8.7	0	9.1	14.3	0	12.5
Mostly or entirely positive	43.5	100.0	40.9	28.6	40.0	75.0
I would expect very few reactions either way	8.7	0	9.1	0	20.0	12.5
	N = 23	N = 1	N = 22	N = 7	N = 5	N = 8



(6) Engaging with the media (e.g. letter to the editor, talking with journalists, radio call-in show)

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Mostly or entirely negative	1.5	2.7	1.1	2.7	0	1.7
Mixed but leaning negative	4.9	3.6	5.3	4.8	3.9	6.1
Mixed - about 50/50 negative and positive	30.9	21.8	33.7	28.6	29.5	33.1
Mixed but leaning positive	25.4	30.9	23.7	25.2	26.4	24.3
Mostly or entirely positive	19.6	26.4	17.5	18.4	22.5	18.2
I would expect very few reactions either way	17.7	14.5	18.7	20.4	17.8	16.6
	N = 469	N = 110	N = 359	N = 147	N = 129	N = 181



(7) Giving a non-technical public talk about your research (asked only of scientists)

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Mostly or entirely negative	----	0.0	----	0.0	0.0	0.0
Mixed but leaning negative	----	1.2	----	0.0	0.0	5.4
Mixed - about 50/50 negative and positive	----	6.7	----	4.8	5.2	10.8
Mixed but leaning positive	----	22.6	----	21.0	20.7	24.3
Mostly or entirely positive	----	64.6	----	64.5	72.4	56.8
I would expect very few reactions either way	----	4.9	----	9.7	1.7	2.7
	----	N = 164	----	N = 62	N = 58	N = 37



Perceived effectiveness of advocacy actions

Majorities of participants felt that a number of actions would be effective at reducing harm to science from the current Congress and the president, if many people do them (see Table 30). The action that was seen as most effective was donating money to a scientific or political organization, which eight out of ten (84%) participants felt was “moderately” (38%), “very” (32%), or “extremely” (14%) effective at reducing harm to science from the current Congress and the president. Majorities of participants also felt that contacting government officials (78%), engaging with the media (76%), attending a march or public demonstration (72%), discussing science-related issues with their friends and family (70%), and discussing science-related issues online (58%) would be moderately to extremely effective at reducing harm to science from the current Congress and president.

Differences between scientists and non-scientists

Scientists and non-scientists showed very similar perceptions towards the effectiveness of advocacy actions (see Table 30). On most actions, non-scientists were slightly more optimistic (e.g., 85% of non-scientists think donating money to a scientific or political organization would be at least moderately effective, compared to 80% of scientists). The biggest difference between the two groups was on whether attending a march or demonstration would be at least moderately effective at reducing harm to science (65% of scientists versus 74% of non-scientists; see Table 30).

A majority (72%) of scientists also thought that giving a non-technical talk about their research would be a “moderately” (37%), “very” (23%), or “extremely” (12%) effective way to reduce harm to science from the current Congress and president (this question was only presented to scientists).

Differences by age group

For some actions, all age groups were in close agreement. For example, between 77% to 79% of all age groups thought contacting government officials would be at least moderately effective, while between 83% to 85% of all age groups thought giving money to a scientific or political organization would be at least moderately effective. The greatest discrepancy between the age groups was on whether discussing science-related issues online would be at least moderately effective at reducing harm to science—older adults were more optimistic (65% thought it at least moderately effective) compared to young adults (49% thought it at least moderately effective; see Table 37).



Table #37

The following seven items were asked under this stem:

Please indicate how effective you think each of the following actions would be at reducing harm to science from the current Congress and the president, if many other people who share your views do it.

(1) Contacting government officials

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Not at all effective	4.4	4.6	4.3	5.1	4.0	4.2
Slightly effective	17.6	20.8	16.5	17.1	18.8	16.3
Moderately effective	34.2	32.0	34.8	34.3	34.2	34.3
Very effective	26.9	25.6	27.4	25.4	25.3	29.6
Extremely effective	16.9	16.9	17.0	18.1	17.7	15.6
	N = 5748	N = 1406	N = 4339	N = 1605	N = 1774	N = 2133

(2) Donating money to a scientific or political organization

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Not at all effective	2.0	2.7	1.7	2.2	1.5	2.1
Slightly effective	14.1	17.2	13.0	13.1	14.2	14.4
Moderately effective	38.2	38.8	38.0	38.8	37.7	37.9
Very effective	32.0	28.8	33.1	28.9	33.4	33.5
Extremely effective	13.7	12.4	14.2	17.0	13.2	12.1
	N = 5732	N = 1404	N = 4325	N = 1604	N = 1768	N = 2125



(3) Attending a march or public demonstration

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Not at all effective	3.2	4.5	2.8	4.1	3.0	2.6
Slightly effective	24.9	30.2	23.2	28.0	25.3	22.1
Moderately effective	41.2	39.4	41.9	39.0	42.4	41.8
Very effective	20.5	18.2	21.2	18.6	20.1	22.3
Extremely effective	10.2	7.7	11.0	10.3	9.2	11.1
	N = 5736	N = 1406	N = 4327	N = 1603	N = 1772	N = 2128

(4) Discussing science-related issues online (e.g., blog, Facebook)

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Not at all effective	11.7	12.4	11.4	18.7	10.1	7.7
Slightly effective	30.0	33.0	29.1	32.2	30.9	27.3
Moderately effective	33.0	32.4	33.2	27.3	33.8	36.4
Very effective	16.8	14.0	17.7	12.4	17.1	19.9
Extremely effective	8.6	8.2	8.7	9.3	8.0	8.7
	N = 5699	N = 1400	N = 4296	N = 1602	N = 1767	N = 2100

(5) Discussing science-related issues with my family and friends (offline)

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Not at all effective	6.5	7.3	6.3	7.2	6.7	5.9
Slightly effective	24.0	26.7	23.1	23.7	26.5	21.8
Moderately effective	33.9	34.8	33.6	33.5	34.2	34.2
Very effective	23.1	19.7	24.2	20.9	21.5	26.2
Extremely effective	12.5	11.5	12.8	14.8	11.1	11.9
	N = 5730	N = 1405	N = 4322	N = 1602	N = 1770	N = 2126



(6) Engaging with the media (e.g. letter to the editor, talking with journalists, radio call-in show)

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Not at all effective	3.8	3.0	4.1	4.1	3.8	3.3
Slightly effective	20.1	20.3	20.1	21.0	20.9	18.3
Moderately effective	37.8	36.9	38.1	35.7	40.0	37.6
Very effective	26.5	26.8	26.3	25.8	25.5	28.3
Extremely effective	11.9	13.0	11.5	13.3	9.8	12.5
	N = 5693	N = 1397	N = 4293	N = 1591	N = 1767	N = 2106

(7) Giving a non-technical public talk about your research (asked only of scientists)

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Not at all effective	----	5.8	----	4.5	8.0	12.5
Slightly effective	----	21.8	----	18.5	21.5	18.6
Moderately effective	----	36.5	----	33.9	35.8	34.6
Very effective	----	23.4	----	25.7	25.0	23.0
Extremely effective	----	12.4	----	17.4	9.8	11.4
	----	N = 1388	----	N = 1379	N = 1434	N = 1600



Politics and science

A majority of participants (51%) viewed scientists as either a “somewhat” (44%) or “heavily” (8%) politically liberal group, whereas a large minority of respondents (47%) saw scientists neither liberal nor conservative in particular (see Table 38). Very few participants (2%) saw scientists as a “somewhat” (2%) or “heavily” (<1%) politically conservative group.



Photo: "March for Science, PDX, 2017" by Another Believer is licensed under CC BY-SA 3.0
https://commons.wikimedia.org/wiki/File%3AMarch_for_Science%2C_PDX%2C_2017_-_29.jpg

Only about one in six (17%) respondents thought that the political leaning of scientists hurts their ability to be objective (see Table 39). However, two out of three (66%) respondents thought that the political leaning of scientists makes it more difficult for people of another party to believe them.

Differences between scientists and non-scientists

Scientists themselves were more likely to view scientists as a politically liberal group compared to non-scientists (66% to 46%, see Table 38). Scientists were more likely than non-scientists to disagree that the political leaning of scientists hurts their ability to be objective (64% to 57%; see Table 39).

Differences by age group

Young adults were more likely to view scientists as a politically liberal group compared to middle-aged and older adults (64%, 49%, and 44% respectively; see Table 38). Young adults were also more likely than middle-aged and older adults to agree that the political leaning of scientists hurts their ability to be objective (23%, 17%, 13%) and makes it more difficult for people of another party to believe them (75%, 66%, 59%; see Table 39).



Table #38

Do you think of scientists as:

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
A heavily politically liberal group	7.5	13.3	5.6	12.5	5.7	5.2
A somewhat politically liberal group	43.7	52.4	40.8	51.0	43.1	38.9
Neither in particular	46.7	32.6	51.3	35.6	49.6	52.5
A somewhat politically conservative group	2.0	1.5	2.1	0.8	1.5	3.3
A heavily politically conservative group	0.1	0.1	0.1	0.1	0.1	0.1
	N = 6170	N = 1530	N = 4639	N = 1821	N = 1914	N = 2281



Table #39

The following four items were asked under this stem:

As a group, the political leaning of scientists:

(1) Hurts their ability to be objective

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Strongly agree	1.5	1.2	1.5	1.7	1.5	1.1
Agree	3.0	2.6	3.2	4.1	3.3	1.8
Somewhat agree	12.7	13.9	12.3	17.4	12.4	9.6
Neither agree nor disagree	23.9	18.7	25.6	20.2	23.3	26.8
Somewhat disagree	12.7	13.6	12.3	15.7	13.5	9.8
Disagree	28.9	29.5	28.7	25.7	29.2	31.3
Strongly disagree	17.3	20.3	16.3	15.1	16.8	19.6
	N = 6137	N = 1524	N = 4612	N = 1811	N = 1905	N = 2267

(2) Makes it more difficult for people of another party to believe them

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Strongly agree	8.5	10.2	7.9	14.1	8.5	4.2
Agree	20.0	22.4	19.2	24.0	19.5	17.5
Somewhat agree	37.4	36.7	37.6	37.3	37.9	37.4
Neither agree nor disagree	16.3	12.9	17.4	10.6	15.8	20.5
Somewhat disagree	6.1	6.3	6.0	4.3	6.7	7.0
Disagree	8.1	7.7	8.2	6.4	8.2	9.3
Strongly disagree	3.7	3.7	3.7	3.4	3.4	4.2
	N = 6123	N = 1524	N = 4598	N = 1811	N = 1899	N = 2259



(3) Doesn't matter

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Strongly agree	12.9	12.9	12.9	14.5	14.3	10.5
Agree	18.9	17.6	19.4	19.4	19.5	18.4
Somewhat agree	13.5	13.4	13.6	13.6	14.5	12.8
Neither agree nor disagree	22.4	21.3	22.8	18.9	22.6	24.7
Somewhat disagree	15.8	17.0	15.4	15.8	14.5	16.8
Disagree	11.2	12.8	10.6	12.3	10.0	11.3
Strongly disagree	5.2	5.0	5.3	5.5	4.6	5.6
	N = 6070	N = 1514	N = 4555	N = 1803	N = 1897	N = 2226

(4) Is a major problem for our country

	All Respondents	Scientists	Non-Scientists	Young Adults (18-35)	Middle-Aged Adults (36-55)	Older Adults (older than 55)
Strongly agree	2.3	1.5	2.5	1.6	1.6	3.3
Agree	3.0	3.2	2.9	2.7	2.8	3.3
Somewhat agree	5.8	5.6	5.9	5.7	6.0	5.8
Neither agree nor disagree	17.9	15.5	18.8	16.7	18.3	17.8
Somewhat disagree	9.1	9.3	9.1	10.8	9.7	7.3
Disagree	29.6	29.8	29.6	32.5	29.0	28.2
Strongly disagree	32.2	35.2	31.2	29.9	32.5	34.3
	N = 6086	N = 1514	N = 4571	N = 1807	N = 1892	N = 2242



Methods

In June and July 2017, we surveyed individuals who had previously signed up for the email list of the March for Science. The March for Science organization was provided a link to the online survey, which they emailed to all members of their listserv (approximately 213,000 at the time of the survey). The survey was conducted from June 8, 2017 to July 10, 2017; 20,808 individuals gave consent (including indicating they were age 18 or older) and completed at least a portion of the survey. The mean percentage of the survey completed was 92.6% (17,911 participants completed 100% of the survey, there was a standard deviation of 20.4%). The survey was conducted on the survey research platform Qualtrics and data were analyzed in SPSS. All numbers displayed in the tables are within-column percentages.

The average age of participants was 48 years old. 65% of respondents were female; 33% male, and 1% or less indicated “prefer to self-describe”, “non-binary/third gender”, or the preference not to say. The majority of participants were White (87%; American Indian or Alaska Native, 2%; Asian, 4%; Black or African American, 1%; Native Hawaiian or Other Pacific Islander, 0.4%; Other, 4%; Prefer not to answer, 5%) and 4% indicated they were Hispanic or Latino. Participants reported high levels of education, with 31% holding a doctoral or professional degree; 31% a Master’s degree; 28% a Bachelor’s degree; 3% an Associate’s degree; 7% indicated some college, but no degree; 1% had a high school diploma or equivalent; and 0.2% indicated no formal educational credentials.

All respondents were asked about their participation in the march, along with their assessment of the state of science. In order to maximize the ability to assess several areas of interest, after a set of core questions, participants were randomly directed into one of three survey paths. The first path asked broadly about public engagement efforts; the second asked about perceptions of the role of scientists in the public sphere, and the third asked about perceptions of current threats to science along with respondents’ assessment of whether they could take steps to alleviate those threats. Therefore, because two-thirds of participants were not shown some questions, a number of questions have many fewer respondents than the total number of people who completed some part of the survey.

Respondents who answered “Yes, in person” to the question “I participated in a March for Science on April 22nd” were classified as marchers in section one (70% of all survey participants). For questions that varied by location (within or without of the United States, e.g. Tables 17 & 18) the survey platform Qualtrics was used to automatically classify participants’ IP address as within or without of the US and to show the participant the appropriate version of the question.

Although the majority of items that were asked on the survey are displayed in tables in this report, there are some items that are not shown because there were either very few individuals who the item applied to (e.g. questions for those opposed to the march, N = 10), were open-ended and not yet analyzed, or were not deemed of interest for this report. Furthermore, the order of items in this report does not reflect the order in the questionnaire. A full copy of the survey instrument as well as the survey flow and



logic is available at <http://doi.org/10.17605/OSF.IO/2A9S5>. The dataset will be available on July 1st, 2018 on the Open Science Framework at the same web address.