

Survey questionnaire and topline

**2018 PEW RESEARCH CENTER'S AMERICAN TRENDS PANEL
APRIL 23-MAY 6, 2018
TOTAL N=2,537**

ADDITIONAL QUESTIONS PREVIOUSLY RELEASED OR HELD FOR FUTURE RELEASE

ASK ALL:

SCI2 Do you think science has had a mostly positive or mostly negative effect on the quality of the following in the U.S.? **[RANDOMIZE ITEMS]**

	<u>Mostly positive</u>	<u>Mostly negative</u>	<u>No answer</u>
a. Food Apr 23-May 6, 2018	70	29	1
b. Health care Apr 23-May 6, 2018	90	9	1
c. The environment Apr 23-May 6, 2018	76	23	1

TREND FOR COMPARISON

*Pew Research Center surveys conducted by telephone: Has science had a mostly positive or mostly negative effect on the quality of **[INSERT ITEM; RANDOMIZE]** in the U.S.? What about **[NEXT ITEM]**? **[IF NECESSARY: Has science had a mostly positive or mostly negative effect on the quality of **[ITEM]** in the U.S.?***

	<u>Mostly positive</u>	<u>Mostly negative</u>	<u>Not had much of an effect (VOL.)</u>	<u>DK/Ref (VOL.)</u>
a. Food				
Aug 15-25, 2014	62	34	1	3
Apr 28-May 12, 2009 ¹²	66	24	2	8
b. Health care				
Aug 15-25, 2014	79	18	1	3
Apr 28-May 12, 2009	85	10	1	4
c. The environment				
Aug 15-25, 2014	62	31	2	5
Apr 28-May 12, 2009	66	23	2	8

¹² In 2009, the question stem did not explicitly mention "in the U.S.". The question wording was: "Has science had a mostly positive or mostly negative effect on the quality of [INSERT ITEM; RANDOMIZE]? What about [NEXT ITEM]? [IF NECESSARY: Has science had a mostly positive or mostly negative effect on the quality of [ITEM]?"

RANDOMIZE EAT1 AND EAT2**ASK ALL:**

Thinking about yourself...

EAT1 How often do you choose foods to eat because they are HEALTHY AND NUTRITIOUS?

Apr 23-
May 6
2018

12	All of the time
37	More than half of the time
32	About half of the time
16	Less than half of the time
3	Never
<1	No answer

ASK ALL:

EAT2 How often do you choose foods to eat because they are EASY AND MOST CONVENIENT?

Apr 23-
May 6
2018

11	All of the time
29	More than half of the time
30	About half of the time
26	Less than half of the time
3	Never
1	No answer

ASK ALL:

FUD30 Do you currently have any kind of food intolerance or food allergy?

[Check all that apply]

		<u>Selected</u>	<u>Not selected</u> <u>/No answer</u>
a.	I have a severe allergic reaction to some foods		
	Apr 23-May 6, 2018	5	95
	May 10-Jun 6, 2016	5	95
b.	I have a mild or moderate allergic reaction to some foods		
	Apr 23-May 6, 2018	10	90
	May 10-Jun 6, 2016	11	89
c.	I have an intolerance to some foods		
	Apr 23-May 6, 2018	16	84
	May 10-Jun 6, 2016	17	83
d.	No, None of these [EXCLUSIVE PUNCH]		
	Apr 23-May 6, 2018	71	29
	May 10-Jun 6, 2016	69	31

ASK ALL:

EAT3 Which of the following, if any, do you restrict or limit eating on a regular basis?

[Check all that apply] **[RANDOMIZE ITEMS WITH ITEM K ALWAYS LAST]**

	<u>Selected</u>	<u>Not selected</u> <u>/No answer</u>
a. Fat Apr 23-May 6, 2018	28	72
b. Meat Apr 23-May 6, 2018	13	87
c. Dairy Apr 23-May 6, 2018	17	83
d. Salt Apr 23-May 6, 2018	29	71
e. Cholesterol Apr 23-May 6, 2018	24	76
f. Sugar Apr 23-May 6, 2018	38	62
g. Artificial preservatives Apr 23-May 6, 2018	33	67
h. Artificial colors Apr 23-May 6, 2018	28	72
i. Artificial sweeteners Apr 23-May 6, 2018	44	56
j. Gluten Apr 23-May 6, 2018	12	88
k. None of these [EXCLUSIVE PUNCH] Apr 23-May 6, 2018	24	76

ASK ALL:

FUD22 How much of the food you eat is organic?

<u>Apr 23- May 6 2018</u>		<u>May 10- June 6 2016</u>
7	Most of it	6
32	Some of it	34
43	Not too much	44
18	None at all	15
1	No answer	1

ASK ALL:

FUD24 Do you think organic fruits and vegetables are generally...

Apr 23- May 6 <u>2018</u>		May 10- June 6 <u>2016</u>
45	Better for one's health than conventionally grown foods	55
3	Worse for one's health than conventionally grown foods	3
51	Neither better nor worse for one's health than conventionally grown foods	41
1	No answer	1

ASK ALL:EAT5 How much health risk, if any, does eating each of the following have for the average person over the course of their lifetime? **[RANDOMIZE ITEMS]**

	<u>A great deal of health risk</u>	<u>Some health risk</u>	<u>Not too much health risk</u>	<u>No health risk at all</u>	<u>No Answer</u>
a. Fruits and vegetables grown with pesticides Apr 23-May 6, 2018	31	48	17	3	<1
b. Meat from animals that have been given antibiotics or hormones Apr 23-May 6, 2018	32	48	16	4	<1
c. Food and drinks with artificial coloring Apr 23-May 6, 2018	21	48	25	6	<1
d. Food and drinks with artificial preservatives Apr 23-May 6, 2018	26	52	18	4	<1

ASK ALL:EAT6 Which of these statements comes closer to your view, even if neither is exactly right? **[RANDOMIZE RESPONSE OPTIONS]**

Apr 23- May 6 <u>2018</u>	
51	The average person is exposed to additives in the food they eat every day, which pose a serious risk to their health
48	The average person is exposed to additives in the food they eat every day but they eat such a small amount that this does not pose a serious health risk
2	No answer

ASK ALL:

FUD32 Genetically modified foods, sometimes called GMOs, come from a technique that adds genes from other organisms to change that food's genetic characteristics.

How much, if anything, have you heard or read about foods with genetically modified ingredients?

Apr 23- May 6 <u>2018</u>		May 10- June 6 <u>2016</u>
29	A lot	29
58	A little	52
13	Nothing at all	19
<1	No answer	<1

ASK ALL:

FUD33A Do you think foods with genetically modified ingredients are generally...

Apr 23- May 6 <u>2018</u>		May 10- June 6 <u>2016</u>
4	Better for your health than foods with no genetically modified ingredients	7
40	Worse for your health than foods with no genetically modified ingredients	33
29	Neither better nor worse for your health than foods with no genetically modified ingredients	32
26	Not sure	26
1	No answer	1

ASK IF NO ANSWER OR NOT SURE (FUD33A=8,99) [N=656]:

FUD33B Even if you are not sure, which is closer to your views? Do you think foods with genetically modified ingredients are generally...

Apr 23- May 6 <u>2018</u>		May 10- June 6 <u>2016</u>
4	Better for your health than foods with no genetically modified ingredients	11
34	Worse for your health than foods with no genetically modified ingredients	22
57	Neither better nor worse for your health than foods with no genetically modified ingredients	58
4	No answer	10

COMBINED RESPONSES FUD33A AND FUD33B:

Apr 23- May 6 <u>2018</u>		May 10- June 6 <u>2016</u>
5	Better for your health than foods with no genetically modified ingredients	10
49	Worse for your health than foods with no genetically modified ingredients	39
44	Neither better nor worse for your health than foods with no genetically modified ingredients	48
1	No answer	3

ASK ALL:

FUD35 How much do you, personally, care about the issue of genetically modified foods?

Apr 23- May 6 <u>2018</u>		May 10- June 6 <u>2016</u>
22	A great deal	16
39	Some	37
28	Not too much	31
10	Not at all	15
<1	No answer	<1

ASK ALL:FUD37 How likely is it that genetically modified foods will... **[RANDOMIZE ITEMS]**

	<u>Very likely</u>	<u>Fairly likely</u>	<u>Not too likely</u>	<u>Not at all likely</u>	<u>No Answer</u>
a. Lead to more affordably-priced food					
Apr 23-May 6, 2018	25	38	30	6	1
May 10-June 6, 2016	20	36	31	11	2
b. Lead to health problems for the population as a whole					
Apr 23-May 6, 2018	24	35	32	7	1
May 10-June 6, 2016	16	33	39	10	2
c. Create problems for the environment					
Apr 23-May 6, 2018	21	35	36	6	1
May 10-June 6, 2016	18	31	39	9	2
d. Increase the global food supply					
Apr 23-May 6, 2018	31	45	19	4	1
May 10-June 6, 2016	25	44	23	6	3

ADDITIONAL QUESTIONS PREVIOUSLY RELEASED OR HELD FOR FUTURE RELEASE

NOTE: RESULTS SHOWN FOR KNOSCT22-KNOSCT34 INCLUDE 636 RESPONDENTS WHO ANSWERED THESE QUESTIONS APR 23-MAY 6, 2018 COMBINED WITH 1,901 RESPONDENTS WHO ANSWERED THESE QUESTIONS IN A PREVIOUS WAVE FIELDED MAY 10-JUNE 6, 2016.

ASK ALL:

Here's a different kind of question. (If you don't know the answer, select "Not sure." As far as you know...

KNOSCT22 Here's a different kind of question. (If you don't know the answer, select "Not sure.") As far as you know...

Which is the better way to determine whether a new drug is effective in treating a disease? If a scientist has a group of 1,000 volunteers with the disease to study, should she... **[RANDOMIZE OPTIONS 1 AND 2]**

Apr 23-
May 6
2018

68	Give the drug to half of them but not to the other half, and compare how many in each group get better (<i>Correct</i>)
32	NET Incorrect/Not sure/No answer
14	Give the drug to all of them and see how many get better
18	Not sure
<1	No answer

[RANDOMIZE ITEMS KNOSCT23 TO KNOSCT34; KNOSCT22 ALWAYS FIRST]

ASK ALL:

KNOSCT23 Which gas is made as a consequence of burning fossil fuels? Is it... **[RANDOMIZE OPTIONS 1-4]**¹³

Apr 23-

May 6

2018

72	Carbon dioxide (<i>Correct</i>)
28	NET Incorrect/Not sure/No answer
4	Hydrogen
1	Helium
3	Radon
20	Not sure
<1	No answer

NO QUESTION KNOSCT24, KNOSCT25 AND KNOSCT26**ASK ALL:**

KNOSCT27 If the chances that an old bridge will collapse starts at 1% in week 1 and doubles each week (as shown below), what is the chance that the old bridge will collapse during week 7?

Chances the bridge will collapse is...

1%	at Week 1
2%	at Week 2
4%	at Week 3
8%	at Week 4

Enter the % chance that the bridge will collapse at Week 7 (if the bridge is still standing after Week 6)¹⁴

Apr 23-

May 6

2018

62	64% (<i>Correct</i>)
38	NET Incorrect/Not sure/No answer
20	All other numeric responses
17	Not sure
1	No answer

¹³ In the Wave 17 May 2016 survey, the question had a minor wording difference: "What gas is made as a consequence of burning fossil fuels? Is it..."

¹⁴ The phrase "(if the bridge is still standing after Week 6)" was added for clarity in the Apr 23-May 6, 2018 wave.

ASK ALL:

KNOSCT28 Which of the following conditions can be treated effectively by antibiotic medications?

[Check all that apply] **[RANDOMIZE ITEMS WITH ITEMS e AND f ALWAYS LAST]**Apr 23-
May 6
201846 Bacterial infection only (*Correct*)
54 NET Incorrect/Not sure/No answer**KNOSCT28 INDIVIDUAL ITEM RESPONSES**

	<u>Selected</u>	<u>Not selected</u> <u>/No answer</u>
a. Viral infections (such as a cold)	23	77
b. Fungal infections (such as athlete's foot)	28	72
c. Bacterial infections (such as strep throat infections)	83	17
d. Allergic reactions to insect bites	17	83
e. None of these [EXCLUSIVE PUNCH]	2	98
f. Not sure [EXCLUSIVE PUNCH]	9	91

ASK ALL:KNOSCT29 If a scientist wants to determine if a new drug is effective at treating high blood pressure by giving half of a group of 1,000 volunteers a new medication and the other half a "sugar pill" she wants to rule out... **[RANDOMIZE OPTIONS 1-3]**Apr 23-
May 6
201859 A placebo effect (*Correct*)
41 NET Incorrect/Not sure/No answer
4 A third person effect
16 A false consensus effect
20 Not sure
1 No answer**NO QUESTION KNOSCT30****ASK ALL:**KNOSCT31 Which of these terms refers to health benefits occurring when most people in a population get a vaccine? **[RANDOMIZE OPTIONS 1-3]**Apr 23-
May 6
201834 Herd immunity (*Correct*)
66 NET Incorrect/Not sure/No answer
8 Population control
35 Vaccination rate
23 Not sure
1 No answer

ASK ALL:

KNOSCT32 Which of the following can be genetically modified?

[Check all that apply] **[RANDOMIZE ITEMS WITH ITEMS e AND f ALWAYS LAST]**Apr 23-
May 6
2018
39
61Selected all (*Correct*)
NET Incorrect/Not sure/No answer**KNOSCT32 INDIVIDUAL ITEM RESPONSES**

	<u>Selected</u>	<u>Not selected</u> <u>/No answer</u>
a. An apple	61	39
b. Salmon	53	47
c. A mosquito	46	54
d. Corn	70	30
e. None of these [EXCLUSIVE PUNCH]	2	98
f. Not sure [EXCLUSIVE PUNCH]	20	80

ASK ALL:KNOSCT33 Humans and mice share the same genetic make-up by... **[RANDOMIZE ORDER LOW TO HIGH; HIGH TO LOW with NOT SURE ALWAYS LAST]**Apr 23-
May 6
2018
34
66
8
14
44
1About 50% or more (*Correct*)
NET Incorrect/Not sure/No answer
Less than 10%
Between 11% and 49%
Not sure
No answer**ASK ALL:**KNOSCT34 Which gas makes up most of the Earth's atmosphere? **[RANDOMIZE OPTIONS 1-4]**Apr 23-
May 6
2018
31
69
9
9
35
15
1Nitrogen (*Correct*)
NET Incorrect/Not sure/No answer
Hydrogen
Carbon dioxide
Oxygen
Not sure
No answer

TOTAL NUMBER CORRECT KNOSCT22 THROUGH KNOSCT34:

Apr 23-
May 6
2018

4	9 out of 9
10	8 out of 9
10	7 out of 9
13	6 out of 9
12	5 out of 9
13	4 out of 9
11	3 out of 9
12	2 out of 9
9	1 out of 9
6	0 out of 9

24	High science knowledge (7-9 correct)
49	Medium science knowledge (3-6 correct)
26	Low science knowledge (0-2 correct)