

**2015 PEW RESEARCH CENTER'S AMERICAN TRENDS PANEL
WAVE 12 AUGUST
FINAL TOPLINE
August 11 – September 8, 2015
TOTAL N=3095
WEB RESPONDENTS N=2752
MAIL RESPONDENTS N=343¹**

ASK ALL:

HAPPYLIFE From what you've read and heard, is there solid evidence that the average temperature on earth has been getting warmer over the past few decades, or not?

Aug 11-Sep 8

2015

N=3095

22	Very happy
60	Pretty happy
18	Not too happy
*	No Answer

ASK ALL:

HAPPYSLIFE How satisfied are you with your social life?

Aug 11-Sep 8

2015

N=3095

28	Very satisfied
51	Somewhat satisfied
17	Not too satisfied
4	Not at all satisfied
*	No answer

[RANDOMIZE ORDER OF SECTIONS 1 AND 2]

[SECTION 1: VACCINES]

**[RANDOMLY ASSIGN PARTICIPANTS TO RECEIVE ONE OF THE FOLLOWING FOUR CONDITIONS;
MMREXPT=1, 2, 3 or 4]**

MMREXPT Q.1

ASK IF CONDITION ONE: CDC INFORMATION:

[CONDITION ONE: CDC INFORMATION]

On the next screen, please read a few paragraphs and examine the information carefully. Afterward, we will ask you what you think about the information. This is a little different from our typical format.

The facts below were drawn from The Centers for Disease Control and Prevention (CDC) website. Measles is a highly contagious disease. An infected person can spread measles to others even before he or she develops symptoms, and up to four days before developing a visible rash. You can catch measles just by being in a room where a person with measles has been. Almost everyone who **has not** had the measles-mumps-rubella (MMR) shot will get measles if they are exposed to the measles virus. Almost everyone **who gets both doses of the MMR** shot will be **protected**.

¹ Question wording in this topline is that from the web version of the survey. Question wording and format was adapted for the paper questionnaire delivered by mail; this questionnaire is available on request. All questions asked in both modes unless noted.

But some, including children with diseases such as leukemia whose immune systems have been compromised, can't be vaccinated. And doctors recommend that babies not receive the MMR vaccine until they are 12-14 months old. Until then, they are protected by the immunities they inherit from their mothers and by the likelihood that those around them have been vaccinated.

Measles can cause serious health complications, such as pneumonia or even death. The Centers for Disease Control and Prevention reports that 1 out of every 1,000 people with measles will develop brain swelling (encephalitis). Even with the best care, 1 or 2 out of 1,000 people with measles will die.

ASK IF CONDITION TWO: NARRATIVE:

[CONDITION TWO: NARRATIVE]

On the next screen, please read a few paragraphs and examine the information carefully. Afterward, we will ask you what you think about the information. This is a little different from our typical format.

The following facts about measles and the information about the Campbells' experience were drawn from The Centers for Disease Control and Prevention (CDC) website, the CDC's published review of the outbreak, news accounts, and an interview with Megan Campbell.

This is a true story.

A 10-month-old we'll call Timmy and his mom, Megan Campbell, went to the pediatrician's office for a routine checkup. Timmy was a happy, healthy baby, Megan recalls. He was learning to pull himself to a standing position and on the verge of taking his first steps.

After Megan rolled Timmy into the doctor's waiting room in his stroller, the ten-month-old was briefly exposed to an ill-looking 7-year-old boy whose parents would later learn that he had measles.

Timmy had not yet been vaccinated because doctors recommend that babies not receive the measles-mumps-rubella (MMR) vaccine until they are 12-14 months old. The older child had not received the measles vaccine because his parents disapproved of it. "[My son] breathed the same air in the waiting room for about 30 seconds," Megan recalled in a news interview.

Days later, at an age too young to understand what was happening, Timmy came down with the classic symptoms of measles: a fever, a cough, a runny nose, and then a rash. His temperature spiked to 104 degrees and then to 106. Unable to eat or drink, he was hospitalized.

News accounts report that Timmy was so dehydrated that his veins collapsed. He cried in pain as four nurses worked for an hour to thread an IV needle into his tiny wrist. His mom and dad hugged the nurse who finally succeeded.

Standing over his bed, Timmy's parents feared that their baby might suffer brain damage or die. His weight dropped from 18 pounds to 12 pounds in just five days.

Although he was ill for weeks, Timmy survived. Because he was a baby at the time, he will grow up without remembering the doctors and nurses, the pain he felt as the nurses tried to insert the IV into his collapsed vein, the fever, or the itching. But Timmy's mom and dad will never forget how close they came to losing their little boy to a preventable disease.

The CDC investigation of the measles outbreak confirmed that Timmy was one of three infants infected by the unvaccinated 7-year-old. A total of 12 other unvaccinated children came down with measles as well. And 48 other children who were too young to be vaccinated had to be quarantined. In media interviews, Megan Campbell pleaded with parents not to "overlook the young babies" who can catch measles from unvaccinated children.

**ASK IF CONDITION THREE: NYHAN:
[CONDITION THREE: NYHAN]**

On the next screen, please read a few paragraphs and examine the information carefully. Afterward, we will ask you what you think about the information. This is a little different from our typical format.

The facts and the information about Megan Campbell's experience below were drawn from The Centers for Disease Control and Prevention (CDC) website.

All children should be vaccinated for measles, mumps, and rubella. This is a true story that shows why vaccination is so important.

If you hear "106 degrees" you probably think "heat wave," not a baby's temperature. But for Megan Campbell's 10-month-old son, a life-threatening bout of measles caused fevers spiking to 106 degrees and sent him to the hospital.

"We spent 3 days in the hospital fearing we might lose our baby boy," Campbell said. "He couldn't drink or eat, so he was on an IV, and for a while he seemed to be wasting away. When he could drink again, we got to take him home. But the doctors told us to expect the disease to continue to run its course, including high fever – which spiked as high as 106 degrees. We spent a week waking at all hours and soothing him with damp washcloths. "

Thankfully, the baby recovered fully.

Megan now knows that her son was exposed to measles when another mother brought her ill son into their pediatrician's waiting room.

**ASK IF CONDITION 4 CONTROL, NO STIMULI
[CONDITION 4 CONTROL, NO STIMULI]**

ASK ALL:

MMRDECIDE If you had to decide on behalf of a child, how likely is it that you would give that child the measles, mumps, and rubella vaccine, which is known as the MMR vaccine?

Aug 11-Sep 8 2015 N=3095	<u>Condition One:</u> CDC Information	<u>Condition Two:</u> Narrative	<u>Condition Three:</u> Nyhan	<u>Condition Four:</u> Control, No Stimuli
	N=625	N=877	N=862	N=704
NET Likely	91	93	91	89
Very likely	76	76	79	73
Somewhat likely	10	14	9	13
Slightly likely	5	3	3	3
NET Unlikely	7	7	9	10
Slightly unlikely	2	1	2	4
Somewhat unlikely	1	3	1	2
Very unlikely	5	2	6	4
No Answer	2	*	*	1

ASK ALL:

MMRRISK Which of the following do you think poses a greater risk? **[RANDOMIZE]**

Aug 11-Sep 8

2015

N=3095

4	Getting a measles vaccine
71	Getting measles
24	Both are equally risky
1	No Answer

**RANDOMIZE ORDER OF MMRSIDEA/MMRSIDEB and MEASLESSIDE
RANDOMIZE ASK EITHER MMRSIDEA OR MMSIDEB**

ASK OF HALF SAMPLE:

MMRSIDEA Just based on what you know, how likely is it that children who get the measles, mumps, and rubella vaccine, which is known as the MMR vaccine, will suffer serious side effects?

Aug 11-Sep 8

2015

N=1746²

39	NET Likely
7	Very likely
13	Somewhat likely
19	Slightly likely
60	NET Unlikely
10	Slightly unlikely
17	Somewhat unlikely
33	Very unlikely
1	No Answer

ASK OF HALF SAMPLE:

MMRSIDEB How likely is it that children who get vaccinated against measles, mumps, and rubella (get the MMR vaccine), will experience serious side effects from the vaccine?

Aug 11-Sep 8

2015

N=1349³

37	NET Likely
4	Very likely
11	Somewhat likely
22	Slightly likely
63	NET Unlikely
8	Slightly unlikely
18	Somewhat unlikely
36	Very unlikely
1	No Answer

² Based on all mail respondents, and a random half of the web respondents.

³ Based on a random half of the web respondents.

ASK ALL:

MEASLESSIDE Just based on what you know, how likely is it that children who catch the measles will suffer serious complications?

Aug 11-Sep 8

2015

N=3095

80	NET Likely
26	Very likely
33	Somewhat likely
21	Slightly likely
19	NET Unlikely
7	Slightly unlikely
7	Somewhat unlikely
6	Very unlikely
1	No Answer

ASK ALL:

MMROPINION Please indicate whether you agree or disagree with the following statement...
[RANDOMIZE ORDER of a-c]

a. Some vaccines cause autism in healthy children.

Aug 11-Sep 8

2015

N=3095

18	NET Agree
7	Strongly agree
11	Somewhat agree
35	Neither agree nor disagree
46	NET Disagree
32	Strongly disagree
14	Somewhat disagree
1	No Answer

b. Parents who do not vaccinate their children for measles should feel responsible if their child infects a baby with measles who is too young to be vaccinated.

Aug 11-Sep 8

2015

N=3095

79	NET Agree
58	Strongly agree
21	Somewhat agree
13	Neither agree nor disagree
7	NET Disagree
4	Strongly disagree
4	Somewhat disagree
1	No Answer

MMROPINION cont.

c. When making a decision about whether to vaccinate, parents have a responsibility to other children who may come into contact with their child.

Aug 11-Sep 8

2015

N=3095

84	NET Agree
63	Strongly agree
21	Somewhat agree
9	Neither agree nor disagree
6	NET Disagree
3	Strongly disagree
3	Somewhat disagree
1	No Answer

ASK IF MMREXPT=1, 2, OR 3:

SHAREMMR Thinking about the paragraphs containing information about the MMR vaccine that you just read, please indicate how likely you would be to...

a. Share the information on social media.

Aug 11-Sep 8

2015

N=2458

	<u>Condition One:</u> CDC Information	<u>Condition Two:</u> Narrative	<u>Condition Three:</u> Nyhan
	N=625	N=877	N=862
NET Likely	57	65	59
Very likely	22	26	27
Somewhat likely	17	23	18
Slightly likely	18	16	14
NET Unlikely	41	34	40
Slightly unlikely	8	6	10
Somewhat unlikely	9	5	6
Very unlikely	24	23	24
No Answer	1	1	2

b. Send the information to others via email.

Aug 11-Sep 8

2015

N=2458

	<u>Condition One:</u> CDC Information	<u>Condition Two:</u> Narrative	<u>Condition Three:</u> Nyhan
	N=625	N=877	N=862
NET Likely	50	51	51
Very likely	17	18	18
Somewhat likely	17	17	15
Slightly likely	16	15	18
NET Unlikely	49	46	47
Slightly unlikely	11	11	8
Somewhat unlikely	9	7	8
Very unlikely	30	28	31
No Answer	1	3	2

SHAREMMR cont.*c. Talk to other people about the information.*

Aug 11-Sep 8 2015 N=2458	<u>Condition One:</u> CDC Information	<u>Condition Two:</u> Narrative	<u>Condition Three:</u> Nyhan
	N=625	N=877	N=862
NET Likely	77	81	81
Very likely	36	41	34
Somewhat likely	24	27	30
Slightly likely	16	13	17
NET Unlikely	22	18	18
Slightly unlikely	7	6	5
Somewhat unlikely	4	4	4
Very unlikely	11	8	10
No Answer	1	1	1

ASK ALL:

MMROPINION2 Please indicate whether you agree or disagree with the following statement...

a. An infected person can spread measles to others even before he or she develops the measles rash.

Aug 11-Sep 8 2015 N=3095	<u>Condition One:</u> CDC Information	<u>Condition Two:</u> Narrative	<u>Condition Three:</u> Nyhan	<u>Condition Four:</u> Control, No Stimuli
	N=625	N=877	N=862	N=704
NET Agree	87	76	75	70
Strongly agree	69	50	52	42
Somewhat Agree	17	26	23	29
Neither agree nor disagree	9	19	19	25
NET Disagree	3	3	4	4
Strongly disagree	1	2	2	1
Somewhat disagree	1	2	2	2
No Answer	1	2	1	*

b. Vaccinating everyone who is able to be vaccinated for measles protects babies who haven't yet been vaccinated as well as children and adults whose medical conditions make vaccination inadvisable.

Aug 11-Sep 8 2015 N=3095	<u>Condition One:</u> CDC Information	<u>Condition Two:</u> Narrative	<u>Condition Three:</u> Nyhan	<u>Condition Four:</u> Control, No Stimuli
	N=625	N=877	N=862	N=704
NET Agree	88	80	82	77
Strongly agree	67	61	58	58
Somewhat Agree	21	19	24	19
Neither agree nor disagree	6	13	10	17
NET Disagree	4	6	7	5
Strongly disagree	2	4	3	3
Somewhat disagree	2	2	3	2
No Answer	2	1	1	1

MMROPINION2 cont.

c. Scientists generally agree that healthy children should receive an MMR vaccine.

Aug 11-Sep 8 2015 N=3095	<u>Condition One:</u> CDC Information	<u>Condition Two:</u> Narrative	<u>Condition Three:</u> Nyhan	<u>Condition Four:</u> Control, No Stimuli
	N=625	N=877	N=862	N=704
NET Agree	88	83	86	83
Strongly agree	71	64	63	60
Somewhat Agree	17	19	24	23
Neither agree nor disagree	8	13	10	14
NET Disagree	3	3	3	3
Strongly disagree	2	*	1	1
Somewhat disagree	2	3	2	2
No Answer	1	1	1	*

ASK ALL:

MMRPROB

Have you read or heard about problems with the measles vaccine?

Aug 11-Sep 8 2015 N=3095	
49	Yes
51	No
1	No Answer

ASK ALL:

MMRREQ

Do you favor or oppose a requirement that school children must prove that they have had the measles vaccine unless they have a medical exemption?

Aug 11-Sep 8 2015 N=3095	
81	NET Favor
59	Strongly favor
21	Favor
13	Neither favor nor oppose
6	NET Oppose
3	Oppose
3	Strongly oppose
1	No Answer

ASK ALL:

MMROPINION3

Please indicate whether you agree or disagree with the following statement...

a. Parents should have the right to refuse measles vaccines that are required for school for any reason.

Aug 11-Sep 8 2015 N=3095	
27	NET Agree
10	Strongly agree
17	Somewhat agree
16	Neither agree nor disagree
56	NET disagree
37	Strongly disagree
19	Somewhat disagree
1	No Answer

MMROPINION3 cont.

b. Children need measles vaccines, even though measles is not common anymore.

Aug 11-Sep 8

2015

N=3095

82	NET Agree
61	Strongly agree
21	Somewhat agree
11	Neither agree nor disagree
6	NET disagree
3	Strongly disagree
3	Somewhat disagree
1	No Answer

c. Mandatory measles vaccinations would help to keep all children safe from the disease.

Aug 11-Sep 8

2015

N=3095

82	NET Agree
54	Strongly agree
28	Somewhat agree
11	Neither agree nor disagree
7	NET disagree
4	Strongly disagree
3	Somewhat disagree
1	No Answer

ASK ALL:

MEASLES Did you have measles as a child?

Aug 11-Sep 8

2015

N=3095

34	Yes
54	No
12	Don't know
1	No Answer

ASK ALL:

VACCMEASLES Have you been vaccinated against measles?

Aug 11-Sep 8

2015

N=3095

70	Yes
13	No
16	Don't know
1	No answer

ASK ALL:

VACCKIDS Have all of your children been vaccinated against measles? Please include any children you have, including adult children as well as those younger than 18.

Aug 11-Sep 8

2015

N=3095

65	Yes
6	No
28	I don't have any children
1	No Answer

ASK IF "NO: I do not vaccinate my children":

NOVACC Why have all or some of your children not received a measles vaccination? *[Check all that apply]*

		<u>Selected</u>	<u>Not selected/ No answer</u>
1	Medical conditions such as leukemia, prevent my child from being vaccinated Aug 11-Sep 8, 2015 [N=115]	10	90
2	Concerns about the possible side effects of being vaccinated Aug 11-Sep 8, 2015 [N=115]	29	71
3	Moral or ethical concerns about vaccination Aug 11-Sep 8, 2015 [N=115]	25	75
4	The measles vaccine was not available when my children were young Aug 11-Sep 8, 2015 [N=115]	13	87
5	My child is too young to receive the measles vaccine Aug 11-Sep 8, 2015 [N=115]	28	72
6	Other (please specify, open-ended) Aug 11-Sep 8, 2015 [N=115]	17	83

ASK ALL:

ELIMMEASLES According to the Centers for Disease Control (the CDC), measles has been eliminated from the United States since 2000. What does this mean for childhood measles vaccinations? **[REVERSE RESPONSE ORDER FOR HALF SAMPLE]**

Aug 11-Sep 8

2015

N=3095

4	Children no longer need to receive a measles vaccine
16	There is a reduced need for children to receive a measles vaccine
63	Children continue to need a measles vaccine
16	Don't know
1	No Answer

Now, thinking about vaccines in general:

ASK ALL:

CDCVACC How much do you trust the Centers for Disease Control (the CDC) to assess the safety of vaccines?

Aug 11-Sep 8

2015

N=3095

70	NET A great deal/A fair amount
34	A great deal
37	A fair amount
22	NET Just some/Very little
13	Just some
9	Very little
6	Don't know
1	No Answer

ASK ALL:

FLUVACC How likely is it that you will get a flu shot for the seasonal flu during the next flu season (fall 2015 to spring 2016)?

Aug 11-Sep 8

2015

N=3095

62	NET Likely
42	Very likely
12	Somewhat likely
7	Slightly likely
37	NET Unlikely
5	Slightly unlikely
7	Somewhat unlikely
25	Very unlikely
1	No Answer

ASK ALL:

VACCOPINION Please indicate how much you agree or disagree with the following statement...**[RANDOMIZE ORDER of a-b]**

a. A major reason that doctors say vaccines are safe is that they receive free lunches and gifts from the companies that manufacture vaccines.

Aug 11-Sep 8

2015

N=3095

15	NET Agree
5	Strongly agree
10	Somewhat agree
28	Neither agree nor disagree
56	NET Disagree
43	Strongly disagree
13	Somewhat disagree
1	No Answer

VACCOPINION cont.

b. The Centers for Disease Control (CDC) recommends that all children be vaccinated because it wants to help pharmaceutical companies sell vaccines.

Aug 11-Sep 8

2015

N=3095

19	NET Agree
8	Strongly agree
11	Somewhat agree
27	Neither agree nor disagree
54	NET Disagree
37	Strongly disagree
16	Somewhat disagree
1	No Answer

ASK ALL:

HEARDGMO Have you heard of genetically modified organisms, or GMOs?

Aug 11-Sep 8

2015

N=3095

68	Yes
32	No
*	No Answer

[SECTION 2: GMO'S]

[RANDOMLY ASSIGN PARTICIPANTS TO RECEIVE ONE OF THE FOLLOWING FOUR CONDITIONS; GMOEXPT=1, 2, 3 or 4]

GMOEXPT

ASK IF [CONDITION ONE: GMO DESCRIPTION + CONSUMER RISK]:

[CONDITION ONE: GMO DESCRIPTION + CONSUMER RISK]

On the next screen, please read a few paragraphs about genetic modification. Afterward, we will ask you what you think about the information. This is a little different from our typical format.

The information below is from the Food and Drug Administration and the U.S. Department of Agriculture.

Genetic engineering refers to certain methods that scientists use to introduce new traits or characteristics to an organism. For example, plants may be genetically engineered to produce characteristics that enhance the growth or nutritional value of food crops.

Food derived from genetically-engineered plants must adhere to the same safety requirements under the Federal Food, Drug, and Cosmetic Act that apply to food and food ingredients derived from traditionally bred plants.

Using a science-based approach, the Food and Drug Administration (FDA) works to ensure that crops produced through genetic engineering for commercial use are properly tested and studied to make sure they pose no significant risk to consumers or the environment.

ASK IF CONDITION TWO: GMO DESCRIPTION + SAFE TO EAT:**[CONDITION TWO: GMO DESCRIPTION +SAFE TO EAT]**

On the next screen, please read a few paragraphs about genetic modification. Afterward, we will ask you what you think about the information. This is a little different from our typical format.

The information below is from the Food and Drug Administration and the U.S. Department of Agriculture.

Genetic engineering refers to certain methods that scientists use to introduce new traits or characteristics to an organism. For example, plants may be genetically engineered to produce characteristics that enhance the growth or nutritional value of food crops.

Food derived from genetically-engineered plants must adhere to the same safety requirements under the Federal Food, Drug, and Cosmetic Act that apply to food and food ingredients derived from traditionally bred plants.

Using a science-based approach, the Food and Drug Administration (FDA) works to ensure that crops produced through genetic engineering for commercial use are properly tested and studied to make sure that they are safe to eat.

ASK IF CONDITION THREE: NON-GOVERNMENT:**[CONDITION THREE: NON-GOVERNMENT]**

On the next screen, please read a few paragraphs about genetic modification. Afterward, we will ask you what you think about the information. This is a little different from our typical format.

The information below is from the Library of Congress.

Genetic engineering refers to certain methods that scientists use to introduce new traits or characteristics to an organism. For example, plants may be genetically engineered to produce characteristics that enhance the growth or nutritional value of food crops.

Several scientific organizations in the U.S. have issued studies or statements regarding the safety of genetically-modified organisms, or GMOs, indicating that there is no evidence that GMOs present unique safety risks compared to conventionally bred products. These include the National Research Council, the American Association for the Advancement of Science, and the American Medical Association.

ASK IF CONDITION FOUR: CONTROL, NO STIMULI:**[CONDITION FOUR: CONTROL, NO STIMULI]**

ASK ALL:

GMOAPPROVE In general, do you approve or disapprove of using genetic engineering to create plant based food products?

Aug 11-Sep 8 2015 N=3095	Condition One: GMO Description + Consumer Risk	Condition Two: GMO Description + Safe to Eat	Condition Three: Non-Government	Condition Four: Control, No Stimuli
	N=870	N=670	N=672	N=857
NET Approve	36	39	38	28
Strongly approve	13	11	11	8
Somewhat approve	23	28	27	20
Neither approve nor disapprove	30	22	24	29
NET Disapprove	34	39	38	42
Strongly disapprove	17	20	18	20
Somewhat disapprove	17	19	20	22
No Answer	*	-	-	1

ASK ALL:

GMOOPINION Please indicate whether you agree or disagree with the following statement...

a. Genetically modified foods are safe to eat.

Aug 11-Sep 8

2015

N=3095

40	NET Agree
13	Strongly agree
27	Somewhat agree
29	Neither agree nor disagree
30	NET Disagree
14	Strongly disagree
16	Somewhat disagree
*	No Answer

b. Foods should be labeled to indicate that they have been genetically engineered or contain ingredients that have been genetically engineered.

Aug 11-Sep 8

2015

N=3095

82	NET Agree
64	Strongly agree
18	Somewhat agree
12	Neither agree nor disagree
6	NET Disagree
2	Strongly disagree
3	Somewhat disagree
*	No Answer

GMOOPINION cont.

c. Genetically modified foods on the market in the U.S. are as safe as the conventionally grown varieties of the same crop.

Aug 11-Sep 8

2015

N=3095

34	NET Agree
12	Strongly agree
23	Somewhat agree
30	Neither agree nor disagree
35	NET Disagree
17	Strongly disagree
19	Somewhat disagree
*	No Answer

d. Scientists generally agree that genetically modified foods are safe to eat.

Aug 11-Sep 8

2015

N=3095

52	NET Agree
16	Strongly agree
36	Somewhat agree
30	Neither agree nor disagree
17	NET Disagree
7	Strongly disagree
10	Somewhat disagree
1	No Answer

e. The Food and Drug Administration, the U.S. Department of Agriculture, and the Environmental Protection Agency have oversight of genetically-modified crops.

Aug 11-Sep 8

2015

N=3095

49	NET Agree
18	Strongly agree
32	Somewhat agree
36	Neither agree nor disagree
14	NET Disagree
5	Strongly disagree
9	Somewhat disagree
1	No Answer

f. Genetically modified crops undergo more testing than conventionally-grown crops.

Aug 11-Sep 8

2015

N=3095

44	NET Agree
16	Strongly agree
27	Somewhat agree
40	Neither agree nor disagree
16	NET Disagree
6	Strongly disagree
9	Somewhat disagree
1	No Answer

ASK ALL:

PAYGMOFREE Would you be willing to pay 10 percent more to buy a potato certified to be GMO free?

Aug 11-Sep 8

2015

N=3095

43	Yes
55	No
1	No Answer

ASK ALL:

PAYGMO Would you be willing to pay 10 percent more to buy a potato that has been genetically altered to contain a lower level of a chemical that is suspected of causing cancer in people?

Aug 11-Sep 8

2015

N=3095

42	Yes
57	No
1	No Answer

ASK ALL:

GMOOPINION2 Please indicate whether you agree or disagree with the following statement...**[RANDOMIZE ORDER of a-c]**

a. If GMO crops were harmful to the health of animals or humans, we would have the evidence to show it by now.

Aug 11-Sep 8

2015

N=3095

39	NET Agree
13	Strongly agree
27	Somewhat agree
27	Neither agree nor disagree
32	NET Disagree
13	Strongly disagree
19	Somewhat disagree
1	No Answer

b. Widespread planting of GMO crops will change the natural environment in harmful ways.

Aug 11-Sep 8

2015

N=3095

42	NET Agree
17	Strongly agree
25	Somewhat agree
41	Neither agree nor disagree
16	NET Disagree
7	Strongly disagree
10	Somewhat disagree
1	No Answer

GMOOPINION2 cont.

c. GMOs need to be judged on an individual basis and not treated as if all of them are either good or harmful.

Aug 11-Sep 8

2015

N=3095

65	NET Agree
34	Strongly agree
31	Somewhat agree
21	Neither agree nor disagree
13	NET Disagree
7	Strongly disagree
6	Somewhat disagree
1	No Answer

ASK ALL:

TRUSTFEDGMO How much do you trust the federal government to determine the safety of GMO crops?

Aug 11-Sep 8

2015

N=3095

30	NET A great deal/A fair amount
6	A great deal
24	A fair amount
63	NET Just some/Very little
24	Just some
38	Very little
7	Don't know
*	No Answer

ASK ALL:

GMOOPINION3 Please indicate whether you agree or disagree with the following statement...**[RANDOMIZE ORDER of a-c]**

a. There is nothing wrong with adding or editing a gene to produce a desirable characteristic in a plant as long as the product is as safe to eat as a conventionally grown one.

Aug 11-Sep 8

2015

N=3095

51	NET Agree
23	Strongly agree
28	Somewhat agree
22	Neither agree nor disagree
25	NET disagree
13	Strongly disagree
13	Somewhat disagree
1	No Answer

GMOOPINION3 cont.

b. Adding or editing a gene in a crop is fine as long as doing so benefits the public.

Aug 11-Sep 8

2015

N=3095

44	NET Agree
15	Strongly agree
29	Somewhat agree
26	Neither agree nor disagree
29	NET disagree
14	Strongly disagree
15	Somewhat disagree
1	No Answer

c. Adding or editing genes is immoral.

Aug 11-Sep 8

2015

N=3095

24	NET Agree
11	Strongly agree
13	Somewhat agree
36	Neither agree nor disagree
38	NET disagree
22	Strongly disagree
16	Somewhat disagree
1	No Answer

[RANDOMLY ASSIGN PARTICIPANTS TO RECEIVE ONE OF THE FOLLOWING THREE CONDITIONS, KEEP QUESTION ON THE SAME PAGE AS THE STATEMENT; GMOEXPT2_TRT=1,2, or 3]

ASK ALL:

GMOEXPT2

[CONDITION ONE: MONSANTO]

Monsanto, a company involved with genetic modification, says that its GMO crops are feeding the world through higher yields, saving the environment with reduced pesticides, and promoting sustainability by using less water.

[CONDITION TWO: PEOPLE]

Some people say that GMO crops are feeding the world through higher yields, saving the environment with reduced pesticides, and promoting sustainability by using less water.

[CONDITON THREE: SCIENTISTS]

Some scientists say that GMO crops are feeding the world through higher yields, saving the environment with reduced pesticides, and promoting sustainability by using less water.

ASK ALL:

GMOEXPT2 How accurate or inaccurate is this message?

Aug 11-Sep 8 2015	<u>Condition One:</u> Monsanto	<u>Condition Two:</u> People	<u>Condition Three:</u> Scientists
	N=1117	N=1103	N=849
NET Accurate	58	59	67
Very accurate	12	10	15
Somewhat accurate	46	49	52
NET Inaccurate	36	35	30
Somewhat inaccurate	21	25	19
Very inaccurate	15	10	11
No Answer	7	6	3

ASK ALL:

GMOECROP Please indicate whether you agree or disagree with the following statement...**[RANDOMIZE ORDER of a-c, part d on next screen with GMOEAT]**

- a. *A major reason that scientists say they believe eating genetically modified food is safe is that they have gotten research grants from GMO companies.*

Aug 11-Sep 8 2015 N=3095	
37	NET Agree
14	Strongly agree
23	Somewhat agree
43	Neither agree nor disagree
19	NET Disagree
8	Strongly disagree
11	Somewhat disagree
1	No Answer

- b. *The federal government approves genetically modified crops because it wants to help big agricultural businesses sell their genetically modified products.*

Aug 11-Sep 8 2015 N=3095	
43	NET Agree
16	Strongly agree
27	Somewhat agree
34	Neither agree nor disagree
21	NET Disagree
8	Strongly disagree
13	Somewhat disagree
2	No Answer

GMOCROP cont.

- c. *Companies that produce GMO foods are responsible for the hype that genetically-modified foods are safe to eat.*

Aug 11-Sep 8

2015

N=3095

60	NET Agree
25	Strongly agree
34	Somewhat agree
29	Neither agree nor disagree
10	NET Disagree
4	Strongly disagree
6	Somewhat disagree
1	No Answer

- d. *Adding or editing a gene in a human is fine as long as doing so may save the person's life.*

Aug 11-Sep 8

2015

N=3095

51	NET Agree
21	Strongly agree
30	Somewhat agree
25	Neither agree nor disagree
23	NET Disagree
13	Strongly disagree
9	Somewhat disagree
1	No Answer

ASK ALL:

GMOEAT

Which of the following would you eat?

		<u>Selected</u>	<u>Not selected</u>
1	Genetically-modified vegetables Aug 11-Sep 8, 2015 [N=3095]	60	40
2	Genetically-modified fish Aug 11-Sep 8, 2015 [N=3095]	24	76
3	Genetically-modified beef Aug 11-Sep 8, 2015 [N=3095]	27	73

ASK ALL:

ENVIRONRISK How much risk to the environment, if any, is...

	<u>NET</u> <u>Great/</u> <u>Some</u> <u>Risk</u>	<u>Great</u> <u>risk</u>	<u>Some</u> <u>risk</u>	<u>NET</u> <u>Little/</u> <u>V Little</u> <u>Risk</u>	<u>Little</u> <u>risk</u>	<u>Very</u> <u>little</u> <u>risk</u>	<u>No</u> <u>Answer</u>
a. Drilling for oil off shore Aug 11-Sep 8, 2015 [N=3095]	78	34	45	19	12	7	2
b. The process of natural gas extraction known as fracking Aug 11-Sep 8, 2015 [N=3095]	76	33	43	20	13	7	4
c. Generating energy at nuclear power plants Aug 11-Sep 8, 2015 [N=3095]	75	30	45	22	14	7	3
d. Genetically modified crops Aug 11-Sep 8, 2015 [N=3095]	61	15	46	35	24	12	4

ASK ALL:

RISK LIVE

How dangerous or safe would you say it is to live within 25 miles of...[**RANDOMIZE****ORDER of a-f]**

	<u>NET</u> <u>Safe</u>	<u>Very</u> <u>safe</u>	<u>Somewhat</u> <u>safe</u>	<u>NET</u> <u>Dangerous</u>	<u>Somewhat</u> <u>dangerous</u>	<u>Very</u> <u>dangerous</u>	<u>No</u> <u>Answer</u>
a. A nuclear power plant Aug 11-Sep 8, 2015 [N=3095]	34	10	24	64	33	32	2
b. The proposed Keystone pipeline route. Aug 11-Sep 8, 2015 [N=3095]	47	17	31	49	33	15	4
c. A train line carrying oil or other chemicals Aug 11-Sep 8, 2015 [N=3095]	41	9	32	57	40	17	2
d. An oil or coal refinery Aug 11-Sep 8, 2015 [N=3095]	36	8	28	62	41	21	2
e. A field growing a genetically modified crop Aug 11-Sep 8, 2015 [N=3095]	71	30	40	26	18	7	4
f. A fracking site Aug 11-Sep 8, 2015 [N=3095]	33	9	25	63	40	23	4

ASK ALL:

SCIENTIST OPINION Please indicate whether you agree or disagree with the following statement...**[RANDOMIZE ORDER OF a-d]**

- a. *Scientists know best what is good for the public.*

Aug 11-Sep 8

2015

N=3095

31	NET Agree
6	Strongly agree
25	Somewhat agree
33	Neither agree nor disagree
35	NET Disagree
15	Strongly disagree
20	Somewhat disagree
1	No Answer

- b. *Scientists should do what they think is best, even if they have to persuade people that it is right.*

Aug 11-Sep 8

2015

N=3095

47	NET Agree
16	Strongly agree
30	Somewhat agree
29	Neither agree nor disagree
23	NET Disagree
9	Strongly disagree
14	Somewhat disagree
2	No Answer

- c. *Scientists should pay attention to the wishes of the public, even if they think citizens are mistaken or do not understand their work.*

Aug 11-Sep 8

2015

N=3095

43	NET Agree
13	Strongly agree
29	Somewhat agree
25	Neither agree nor disagree
30	NET Disagree
13	Strongly disagree
18	Somewhat disagree
2	No Answer

- d. *Public opinion is more important than scientists' opinions when making decisions about scientific research.*

Aug 11-Sep 8

2015

N=3095

20	NET Agree
5	Strongly agree
14	Somewhat agree
28	Neither agree nor disagree
50	NET Disagree
24	Strongly disagree
27	Somewhat disagree
2	No Answer

ASK ALL:

SCIENCETECH

Please indicate whether you agree or disagree with the following statement...[**RANDOMIZE ORDER OF a-c**]

- a. *Science and technology can solve nearly any problem.*

Aug 11-Sep 8

2015

N=3095

40	NET Agree
7	Strongly agree
33	Somewhat agree
24	Neither agree nor disagree
34	NET Disagree
13	Strongly disagree
21	Somewhat disagree
1	No Answer

- b. *Science and technology play an important role in economic and industrial development.*

Aug 11-Sep 8

2015

N=3095

82	NET Agree
46	Strongly agree
36	Somewhat agree
12	Neither agree nor disagree
5	NET Disagree
2	Strongly disagree
3	Somewhat disagree
1	No Answer

- c. *Most environmental problems can be solved using technology.*

Aug 11-Sep 8

2015

N=3095

47	NET Agree
11	Strongly agree
36	Somewhat agree
27	Neither agree nor disagree
25	NET Disagree
8	Strongly disagree
17	Somewhat disagree
1	No Answer

ASK ALL:

DEMNOE Thinking about the 2016 presidential election, who would be your choice for the Democratic nomination for president? **[RANDOMIZE ORDER OF DEMNOE, REPNOE][THREE OPEN END TEXT FIELDS LABELED "First choice" "Second choice (if any)" "Third choice (if any)"]**

Aug 11-Sep 8, 2015		Aug 11-Sep 8, 2015		
<u>Any choice</u>		<u>First choice</u>	<u>Second choice</u>	<u>Third choice</u>
33	Hillary Clinton	24	8	3
20	Bernie Sanders	14	4	1
11	Joe Biden	5	4	2
3	Donald Trump	2	1	*
2	Elizabeth Warren	1	1	*
2	Martin O'Malley	*	1	1
1	Jim Webb	1	*	*
12	Other	8	4	4
45	No answer	45	77	90

BASED ON DEMOCRATS AND DEMOCRATIC LEANERS [N=1,533]:

	<u>Any choice</u>	<u>First choice</u>
Hillary Clinton		
Aug 11-Sept 8, 2015	53	38
Mar 10-Apr 6, 2015	47	38
Bernie Sanders		
Aug 11-Sept 8, 2015	29	20
Mar 10-Apr 6, 2015	4	2
Joe Biden		
Aug 11-Sept 8, 2015	13	4
Mar 10-Apr 6, 2015	5	1
Elizabeth Warren		
Aug 11-Sept 8, 2015	3	1
Mar 10-Apr 6, 2015	15	8
Martin O'Malley		
Aug 11-Sept 8, 2015	2	*
Mar 10-Apr 6, 2015	1	*

ASK ALL:

REPNO MOE

Thinking about the 2016 presidential election, who would be your choice for the Republican nomination for president? **[RANDOMIZE ORDER OF DEMNOMOE, REPNO MOE][THREE OPEN END TEXT FIELDS LABELED "First choice" "Second choice (if any)" "Third choice (if any)"]**

Aug 11-Sep 8, 2015

Any
choice

21	Donald Trump
12	Jeb Bush
10	Ben Carson
8	Marco Rubio
7	Ted Cruz
6	Scott Walker
6	Carly Fiorina
5	John Kasich
4	Rand Paul
3	Chris Christie
3	Mike Huckabee
3	Hillary Clinton
1	Bernie Sanders
1	Bobby Jindal
1	Rick Santorum
1	Joe Biden
6	Other
46	No answer

Aug 11-Sep 8, 2015

First
choiceSecond
choiceThird
choice

16	3	2
7	3	2
5	3	2
2	3	2
3	2	2
2	2	2
2	2	1
3	1	*
2	1	1
2	1	1
1	1	1
2	1	*
1	*	*
*	*	*
*	*	*
*	*	*
4	2	2
46	73	83

BASED ON REPUBLICANS AND REPUBLICAN LEANERS [N=1,302]:Any
choiceFirst
choice

Donald Trump

Aug 11-Sept 8, 2015

31

21

Mar 10-Apr 6, 2015

2

1

Ben Carson

Aug 11-Sept 8, 2015

20

10

Mar 10-Apr 6, 2015

9

5

Jeb Bush

Aug 11-Sept 8, 2015

17

9

Mar 10-Apr 6, 2015

15

8

Ted Cruz

Aug 11-Sept 8, 2015

15

6

Mar 10-Apr 6, 2015

12

5

Marco Rubio

Aug 11-Sept 8, 2015

14

4

Mar 10-Apr 6, 2015

11

4

Scott Walker

Aug 11-Sept 8, 2015

14

4

Mar 10-Apr 6, 2015

18

10