

**2023 PEW RESEARCH CENTER'S AMERICAN TRENDS PANEL**  
**WAVE 123 MARCH 2023**  
**FINAL TOPLINE**  
**MARCH 13-19, 2023**  
**N=10,701**

**ASK ALL:**

AGENCYFAV What is your overall opinion of each of the following agencies and departments of the federal government? **[RANDOMIZE ITEMS ACROSS TWO SCREENS]**

		-----Favorable-----			-----Unfavorable-----			Not	No
		<u>NET</u>	<u>Very</u>	<u>Somewhat</u>	<u>NET</u>	<u>Very</u>	<u>Somewhat</u>	<u>sure</u>	<u>answer</u>
<b>ASK FORM 1 ONLY [N=5,369]:</b>									
FBI	The Federal Bureau of Investigation, the FBI Mar 13-19, 2023	52	15	38	36	17	19	12	*
CIA	The Central Intelligence Agency, the CIA Mar 13-19, 2023	46	11	35	33	15	19	21	*
CDC	The Centers for Disease Control and Prevention, the CDC Mar 13-19, 2023	56	20	36	38	18	19	6	*
SSA	The Social Security Administration Mar 13-19, 2023	61	19	42	28	8	19	12	*
FED	The Federal Reserve Mar 13-19, 2023	43	11	33	37	14	22	20	*
NPS	The National Park Service Mar 13-19, 2023	81	40	41	7	2	4	12	*
ED	The Department of Education Mar 13-19, 2023	45	12	33	47	20	27	8	*
TRANS	The Department of Transportation Mar 13-19, 2023	52	11	40	36	14	22	12	*
<b>ASK FORM 2 ONLY [N=5,332]:</b>									
JSTCE	The Justice Department Mar 13-19, 2023	49	10	39	41	17	24	10	*
IRS	The Internal Revenue Service, the IRS Mar 13-19, 2023	42	7	34	51	22	29	7	*
EPA	The Environmental Protection Agency, the EPA Mar 13-19, 2023	55	17	38	31	11	20	14	*

**AGENCYFAV CONTINUED ...**

		-----Favorable-----			-----Unfavorable-----			Not	No
		<u>NET</u>	<u>Very</u>	<u>Somewhat</u>	<u>NET</u>	<u>Very</u>	<u>Somewhat</u>	<u>sure</u>	<u>answer</u>
NASA	The National Aeronautics and Space Administration, NASA Mar 13-19, 2023	74	30	44	9	2	7	17	*
VA	The Department of Veterans Affairs, the VA Mar 13-19, 2023	56	15	41	28	7	21	16	*
USPS	The United States Postal Service Mar 13-19, 2023	77	30	47	20	5	15	3	*
HHS	The Department of Health and Human Services, the HHS Mar 13-19, 2023	55	15	40	30	10	19	15	*
HMLND	The Department of Homeland Security Mar 13-19, 2023	51	12	39	35	13	23	13	*

**ASK ALL:**

MED1      Thinking now about medicine...

Which of these statements comes closer to your point of view, even if neither is exactly right?

	Medical treatments these days are worth the costs because they allow people to live longer and better <u>quality lives</u>	Medical treatments these days often create as many problems as they <u>solve</u>	<u>No answer</u>
Mar 13-19, 2023	49	49	2
Apr 23-May 6, 2018	48	51	1

**TREND FOR COMPARISON**

Pew Research Center survey conducted by telephone: Thinking about medical science. Which of these statements comes closest to your point of view, even if neither is exactly right? **[READ IN ORDER]**

Mar 21-Apr 8,

2013

- 54 (one) Medical treatments these days are worth the costs because they allow people to live longer and better quality lives [OR]  
 41 (two) Medical treatments these days often create as many problems as they solve.  
 3 Neither/Both equally **(VOL.)**  
 3 Don't know/Refused **(VOL.)**

**ASK ALL:**

MED2 Thinking about medical treatments these days, how much of a problem, if at all, are each of the following? **[RANDOMIZE ITEMS]**

	<u>A big problem</u>	<u>A small problem</u>	<u>Not a problem</u>	<u>No answer</u>
a. Healthcare providers are too quick to order tests and procedures that may not be necessary				
Mar 13-19, 2023	35	46	18	1
Apr 23-May 6, 2018	46	42	12	1
b. People rely too much on prescription medicines that may not be necessary				
Mar 13-19, 2023	57	37	6	<1
Apr 23-May 6, 2018	68	28	3	1
c. New treatments are made available before we fully understand how they affect people's health				
Mar 13-19, 2023	43	46	10	1
Apr 23-May 6, 2018	44	46	9	1
d. The cost of treatments makes quality medical care unaffordable				
Mar 13-19, 2023	84	14	2	<1
Apr 23-May 6, 2018	83	14	3	<1
e. New treatments are so complex that patients cannot make informed decisions				
Mar 13-19, 2023	37	49	12	1
Apr 23-May 6, 2018	42	48	9	1
f. Side effects from prescription medicines create as many problems as the medicines solve				
Mar 13-19, 2023	47	46	6	1
Apr 23-May 6, 2018	59	36	5	<1
g. The process for evaluating the safety and effectiveness of new medical treatments is too slow				
Mar 13-19, 2023	39	44	16	1
Apr 23-May 6, 2018	49	40	10	1

## DISPLAY BIO33 AND BIO34 ON SAME SCREEN

### ASK ALL:

BIO33 Thinking about childhood vaccines for measles, mumps and rubella (MMR) how would you rate... **[RANDOMIZE ITEMS; FLIP ORDER OF RESPONSE OPTIONS HIGH TO LOW; LOW TO HIGH USING SAME ORDER FOR BOTH ITEMS]**

	<u>Very high</u>	<u>High</u>	<u>Medium</u>	<u>Low</u>	<u>Very low</u>	<u>No answer</u>
a. The risk of side effects						
Mar 13-19, 2023	5	8	23	32	32	1
Oct 1-13, 2019	5	7	17	28	42	1
May 10-June 6, 2016	5	6	21	29	38	1
b. The preventive health benefits						
Mar 13-19, 2023	44	28	19	4	4	1
Oct 1-13, 2019	56	21	13	4	3	2
May 10-June 6, 2016	45	28	18	4	3	2

### ASK ALL:

BIO34 Overall, do you think...

	The benefits of childhood vaccines for measles, mumps and rubella outweigh the <u>risks</u>	The risks of childhood vaccines for measles, mumps and rubella outweigh the <u>benefits</u>	<u>No answer</u>
Mar 13-19, 2023	88	10	1
Oct 1-13, 2019	88	10	2
May 10-June 6, 2016	88	10	2

### TREND FOR COMPARISON

Kaiser Family Foundation survey conducted by telephone and online: Overall, do you think... **[ROTATE RESPONSE OPTIONS 1-2/2-1]**

Nov 29-Dec 8,  
2022

85	The benefits of childhood vaccines for measles, mumps and rubella outweigh the risks
12	The risks of childhood vaccines for measles, mumps and rubella outweigh the benefits
3	No answer

**ASK ALL:**

BIO35

Which comes closer to your views about childhood vaccines for measles, mumps and rubella, even if neither is exactly right?

	Parents should be able to decide NOT to vaccinate their children, even if that may create health risks for other children and adults	Healthy children should be required to be vaccinated in order to attend public schools because of the potential risk for others when children are not vaccinated	No answer
Mar 13-19, 2023	28	70	2
Oct 1-13, 2019	16	82	1
May 10-June 6, 2016	17	82	2

**TREND FOR COMPARISON**

Kaiser Family Foundation survey conducted by telephone and online: Which comes closer to your views about childhood vaccines for measles, mumps, and rubella, even if neither is exactly right?

**[ROTATE RESPONSE OPTIONS 1-2/2-1]**

Nov 29-Dec 8,

2022

28	Parents should be able to decide not to vaccinate their children, even if that may create health risks for other children and adults
71	Healthy children should be required to be vaccinated in order to attend public schools because of the potential risk for others when children are not vaccinated
<1	No answer

**ASK ALL:**

MMRTHOUGHT How much have you thought about the potential risks and benefits of childhood vaccines for measles, mumps and rubella?

Mar 13-19,

2023

10	A great deal
15	Quite a bit
28	Some
30	Not too much
16	Not at all
1	No answer

**ASK IF SEES RISKS OF SIDE EFFECTS AS VERY HIGH, HIGH OR MEDIUM [BIO33a=1,2,3]  
[N=3,241]:**

MMRRISKOE What do you see as the main risk from childhood vaccines for measles, mumps and rubella? [OPEN-END RESPONSE, CODED ANSWERS SHOWN BELOW]

	Mar 13-19, 2023
General side effects, allergic reactions, each child could react differently NET	18
General side effects or allergic reactions	18
Each child could react differently	1
Supportive of MMR vaccines; public health risks from those unvaccinated NET	12
None/nothing	7
Supportive of MMR vaccines	3
Harm from those unvaccinated	2
Autism, development delays during childhood NET	5
Autism	4
Development delays during childhood	1
Death, specific disease or ailment NET	5
Specific disease/ailment	3
Death	2
Problems later in life	4
Ingredients in vaccines could be dangerous	2
Minor reactions	1
Too many vaccines at once	1
Could still get the diseases	1
Not applicable/Other/Unclear NET	11
Other	5
Unclear	4
Not applicable/Does not have a child	1
Don't know/Refused NET	41
Refused	35
Don't know	6

**ASK ALL:**

MMRINFO

How much do you trust each of the following groups to give full and accurate information about the health risks and benefits of childhood vaccines for measles, mumps and rubella? **[RANDOMIZE ITEMS]**

		<u>A lot</u>	<u>Some</u>	<u>Not too much</u>	<u>Not at all</u>	<u>No answer</u>
a.	Your doctor or other health care provider Mar 13-19, 2023	45	43	9	3	<1
b.	Medical research scientists Mar 13-19, 2023	40	42	14	4	<1

**ASK ALL:**

CHILDVAX

Thinking about childhood vaccines in general, how well do each of the following statements describe your views? **[RANDOMIZE ITEMS]**

		<u>Very well</u>	<u>Somewhat well</u>	<u>Not too well</u>	<u>Not at all</u>	<u>No answer</u>
a.	Childhood vaccines save millions of lives Mar 13-19, 2023	56	33	8	3	1
b.	Childhood vaccines protect communities from outbreaks of disease Mar 13-19, 2023	56	33	8	2	1
c.	I worry that not all of the childhood vaccines are necessary Mar 13-19, 2023	14	28	30	27	1
d.	Children are given childhood vaccines for things their immune system should fight off on its own Mar 13-19, 2023	11	25	34	28	1

**KIDS1 IS NOT INCLUDED IN THE TOPLINE. DATA USERS CAN FIND THIS VARIABLE IN THE DATASET.**

**ASK PARENTS [IF KIDSTOTAL > 0] [N=2,900]:**

MMRKIDS Has your [IF KIDSTOTAL=1 child] [IF KIDSTOTAL>1 youngest child] received the childhood vaccines for measles, mumps and rubella?

Mar 13-19,  
2023

79	Yes
6	No
11	Not sure
5	My child is not old enough to receive these vaccines
<1	No answer

**ASK PARENTS [IF KIDSTOTAL > 0] [N=2,900]:**

CMFRT How would you feel about your child spending time with a child who had not received the vaccines for measles, mumps and rubella?

Mar 13-19,  
2023

25	Very comfortable
29	Somewhat comfortable
32	Somewhat uncomfortable
13	Very uncomfortable
1	No answer

**ASK PARENTS [IF KIDSTOTAL > 0] [N=2,900]:**

ONLNGRPS1 Do you follow or belong to any online groups or communities that talk about childhood vaccines?

Mar 13-19,  
2023

7	Yes
93	No
<1	No answer

**IF YES [IF ONLNGRPS1 = 1] [N=194]:**

ONLNGRPS2 How useful do you find the information you get from online groups or communities that talk about childhood vaccines?

Mar 13-19,  
2023

22	Extremely useful
42	Very useful
27	Somewhat useful
7	Not too useful
2	Not at all useful
0	No answer



**ONLNGRPS2 TABLE BASED ON IS PARENT [IF KIDSTOTAL>0] [N=2,900]:**

Belong to online groups or communities that talk about childhood vaccines					Do not belong to online groups or communities that talk about childhood vaccines	Refused ONLNGRPS1
Find the information extremely or very useful	Find the information somewhat useful	Find the information not too or not at all useful	Refused ONLNGRPS2			
Mar 13-19, 2023	5	2	1	0	93	<1

**DISPLAY TO ALL:** On a different topic...

**ASK ALL:**

NRGENCTV What role should the federal government play in each of the following activities?  
[RANDOMIZE ITEMS]

		Encourage this activity	Discourage this activity	Neither encourage nor discourage	No answer
a.	The use of electric vehicles				
	Mar 13-19, 2023	43	14	43	<1
	Jan 24-30, 2022	51	10	39	1
b.	The production of wind and solar power				
	Mar 13-19, 2023	66	7	26	1
	Jan 24-30, 2022	72	5	22	1
c.	Oil and gas drilling				
	Mar 13-19, 2023	34	30	35	1
	Jan 24-30, 2022	33	33	33	1
d.	Coal mining				
	Mar 13-19, 2023	21	39	39	1
	Jan 24-30, 2022	20	44	35	1
e.	The production of nuclear power				
	Mar 13-19, 2023	41	22	36	1
	Jan 24-30, 2022	35	26	37	2

**ASK ALL:**

CLIM9

How much, if at all, do you think global climate change is currently affecting your local community?

	A great <u>deal</u>	<u>Some</u>	Not too <u>much</u>	<u>Not at all</u>	<u>No answer</u>
Mar 13-19, 2023	26	35	22	16	1
Apr 20-29, 2021	17	40	27	15	1
Apr 29-May 5, 2020	24	39	25	12	<1
Oct 1-13, 2019 <sup>1</sup>	22	39	24	13	1
Mar 27-Apr 9, 2018 <sup>2</sup>	22	37	25	15	<1

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<sup>1</sup> October 2019 survey combines those asked in a series and those asked as the question is shown here.

<sup>2</sup> Spring 2018 survey asked about climate change affecting your local community as part of a series

**ASK ALL:**

CLIMENO

How much do you think each of the following is doing to help reduce the effects of global climate change? **[RANDOMIZE ITEMS]**

		<u>Too much</u>	<u>Too little</u>	<u>About the right amount</u>	<u>No answer</u>
<b>ASK FORM 1 ONLY [XFORM=1]</b>					
<b>[N=5,369]:</b>					
a.	Large businesses and corporations				
	Mar 13-19, 2023	10	67	21	1
	Apr 20-29, 2021	8	69	21	2
<b>ASK FORM 2 ONLY [XFORM=2]</b>					
<b>[N=5,332]:</b>					
b.	The energy industry				
	Mar 13-19, 2023	13	55	30	2
	Apr 20-29, 2021	7	62	29	2
<b>ASK FORM 1 ONLY [XFORM=1]</b>					
<b>[N=5,369]:</b>					
c.	Ordinary Americans				
	Mar 13-19, 2023	7	57	35	1
	Apr 20-29, 2021	5	66	28	2
<b>ASK FORM 2 ONLY [XFORM=2]</b>					
<b>[N=5,332]:</b>					
d.	Environmental advocacy organizations				
	Mar 13-19, 2023	25	31	42	2
	Apr 20-29, 2021	22	29	48	2
e.	You, yourself, as an individual				
	Mar 13-19, 2023	5	43	51	1
	Apr 20-29, 2021	4	47	48	2
<b>ASK FORM 1 ONLY [XFORM=1]</b>					
<b>[N=5,369]:</b>					
f.	Your state elected officials				
	Mar 13-19, 2023	15	58	25	1
	Apr 20-29, 2021	11	60	27	2
<b>ASK FORM 2 ONLY [XFORM=2]</b>					
<b>[N=5,332]:</b>					
g.	Your local community				
	Mar 13-19, 2023	8	48	43	1

**DISPLAY TO ALL:** The next few questions are about the coronavirus outbreak

**ASK ALL:**

COVID\_INFECT How concerned, if at all, are you that... **[RANDOMIZE ITEMS]**

	<u>Very concerned</u>	<u>Somewhat concerned</u>	<u>Not too concerned</u>	<u>Not at all concerned</u>	<u>No answer</u>
a. You might spread the coronavirus to other people without knowing that you have it					
Mar 13-19, 2023	14	28	30	28	<1
Sep 13-18, 2022	18	31	28	23	<1
May 2-8, 2022	19	31	29	20	<1
Jan 10-17, 2022	25	33	26	16	<1
Aug 23-29, 2021	27	32	26	15	<1
Feb 16-21, 2021	30	31	25	14	<1
Nov 18-29, 2020	32	32	23	13	<1
Jun 16-22, 2020	30	32	23	14	<1
Apr 7-12, 2020	33	34	22	11	1
b. You will get the coronavirus and require hospitalization					
Mar 13-19, 2023	10	19	34	36	<1
Sep 13-18, 2022	11	19	36	33	<1
May 2-8, 2022	13	21	37	29	<1
Jan 10-17, 2022	15	24	37	24	<1
Aug 23-29, 2021	19	26	36	19	<1
Feb 16-21, 2021	21	27	31	20	<1
Nov 18-29, 2020	23	30	30	17	<1
Jun 16-22, 2020	24	27	32	17	<1
Apr 7-12, 2020	24	31	32	13	<1

## DISPLAY COVID33 AND COVID34 ON SAME SCREEN

### ASK ALL:

COVID33 Thinking about vaccines for COVID-19, how would you rate... **[RANDOMIZE ITEMS; FLIP ORDER OF RESPONSE OPTIONS HIGH TO LOW; LOW TO HIGH USING SAME ORDER FOR BOTH ITEMS]**

		<u>Very high</u>	<u>High</u>	<u>Medium</u>	<u>Low</u>	<u>Very low</u>	<u>No answer</u>
a.	The risk of side effects Mar 13-19, 2023	20	13	25	24	17	1
b.	The preventive health benefits Mar 13-19, 2023	24	21	25	12	18	1

### ASK ALL:

COVID34 Overall, do you think...

Mar 13-19,  
2023

62	The benefits of COVID-19 vaccines outweigh the risks
36	The risks of COVID-19 vaccines outweigh the benefits
2	No answer

### ASK ALL:

COVID\_VAXDMOD Have you received a vaccine to prevent COVID-19?

	NET Have received at least one dose of a <u>vaccine</u>	Yes, have had all the shots needed to be fully <u>vaccinated</u>	Yes, have had one shot but still need <u>one more</u>	No, have not received a <u>vaccine</u>	<u>No answer</u>
Mar 13-19, 2023	77	70	7	21	2
Sep 13-18, 2022	77	71	6	21	2
May 2-8, 2022	78	73	5	21	2
Jan 24-30, 2022	78	73	5	20	2
Aug 23-29, 2021	73	69	4	26	1
Jun 14-27, 2021	67	63	4	31	2
Feb 16-21, 2021	19	--	--	80	<1

**ASK ALL:**COVID\_BOOST<sup>3</sup>

Have you received a COVID-19 booster shot within the last six months?

	Yes, have received a <u>booster shot</u>	No, have not received a <u>booster shot</u>	Does not <u>apply to me</u>	Invalid <u>response</u>	<u>No answer</u>
Mar 13-19, 2023	34	44	19	1	2
Sep 13-18, 2022	38	41	18	1	2
May 2-8, 2022	49	31	17	1	2
Jan 24-30, 2022	48	34	15	1	2

**COVID\_VAXDMOD AND COVID\_BOOST COMBO TABLE**

	Yes, have had all the shots needed <u>to be fully vaccinated</u>	No, have not	Yes, have had one shot but still need one <u>more</u>	No, have not received a <u>vaccine</u>	No answer to COVID_ <u>VAXDmod</u>	
	Yes, have received a booster <u>shot</u>	received a booster shot/Does <u>not apply</u>	No answer to COVID_ <u>BOOST</u>			
Mar 13-19, 2023	34	35	<1	7	21	2
Sep 13-18, 2022	38	33	<1	6	21	2
May 2-8, 2022	49	23	<1	5	21	2
Jan 24-30, 2022	48	25	<1	5	20	2

**ASK PARENTS [IF KIDSTOTAL > 0] [N=2,900]:**

CVAXKIDS Has your [IF KIDSTOTAL=1 child] [IF KIDSTOTAL&gt;1 youngest child] received a vaccine to prevent COVID-19?

Mar 13-19,  
2023

36	Yes
54	No
2	Not sure
7	My child is not old enough to receive this vaccine
1	No answer

<sup>3</sup> COVID\_VAXDMOD and COVID\_BOOST were asked of all respondents to get measurements on vaccination and booster shot status. Respondents who said "Yes, have had one shot but still need one more" or "No, have not received a vaccine" to COVID\_VAXDMOD and said "Yes, have received a booster shot" to COVID\_BOOST were coded as "invalid response" to COVID\_BOOST. These respondents are ineligible for a COVID-19 booster shot based on their stated vaccination status.

**ASK ALL:**

CVDVIEWS

How well does each of the following statements describe your views about COVID-19 vaccines? **[RANDOMIZE ITEMS]**

	<u>Very well</u>	<u>Somewhat well</u>	<u>Not too well</u>	<u>Not at all well</u>	<u>No answer</u>
a. COVID-19 vaccines have saved millions of lives					
Mar 13-19, 2023	38	28	17	16	2
b. It's hard to make sense of all the information about COVID-19 vaccines					
Mar 13-19, 2023	21	33	25	19	1
Aug 23-29, 2021	22	34	24	20	1
c. We don't really know yet if there are serious health risks from COVID-19 vaccines					
Mar 13-19, 2023	27	30	26	17	1
Aug 23-29, 2021	29	31	24	15	1
d. Staying up to date with vaccines for COVID-19 is part of being a good community member					
Mar 13-19, 2023	30	27	17	25	1
e. Public health officials are not telling us everything they know about COVID-19 vaccines					
Mar 13-19, 2023	32	25	23	20	1
Aug 23-29, 2021	26	28	22	23	1
f. It makes me angry when vaccination for COVID-19 is required					
Mar 13-19, 2023	27	16	17	39	1

**ASK ALL:**

SCI\_FLU1 Since last August, have you gotten a flu shot?

	<u>Yes, have gotten a flu shot since August</u>	<u>No, have not gotten a flu shot since August</u>	<u>No answer</u>
Mar 13-19, 2023	49	51	1
Nov 18-29, 2020 <sup>4</sup>	44	55	<1

**ASK ALL:**

SCI\_FLU2 How often do you typically get a flu shot?

	<u>Every year</u>	<u>Every few years</u>	<u>Rarely or never</u>	<u>No answer</u>
Mar 13-19, 2023	48	13	38	1
Nov 18-29, 2020	47	12	41	1

**INSURANCE IS NOT INCLUDED IN THE TOPLINE. DATA USERS CAN FIND THIS VARIABLE IN THE DATASET.**

**ASK ALL:**

EMPLSIT What is your current work situation?

<u>Mar 13-19, 2023</u>		<u>Dec 12-18, 2022</u>	<u>Oct 10 – 16, 2022</u>
49	Work full time for pay	48	48
12	Work part time for pay	12	12
11	Not currently working for pay	11	12
7	Unable to work due to a disability	7	8
21	Retired	21	20
1	No answer	1	1

**ASK ALL:**

GPT1 How much, if anything, have you heard about ChatGPT, an artificial intelligence (AI) program used to create text?

<u>Mar 13-19, 2023</u>	
18	A lot
39	A little
42	Nothing at all
*	No answer

<sup>4</sup> In the November 2020 survey, the question wording was, "Since August of this year, have you gotten a flu shot?"



**ASK IF HAVE HEARD A LOT OR A LITTLE ABOUT CHATGPT (GPT1=1,2) [N=6,635]:**  
GPT2 Have you ever used ChatGPT for any of the following? **[RANDOMIZE ITEMS]**

		<u>Yes, I have done this</u>	<u>No, I have not done this</u>	<u>No answer</u>
a.	For entertainment Mar 13-19, 2023	19	81	*
b.	To learn something new Mar 13-19, 2023	14	85	*
c.	<b>ASK IF HAVE HEARD A LOT OR A LITTLE ABOUT CHATGPT (GPT1=1,2) AND CURRENTLY WORKING FOR PAY (EMPLSIT=1,2) [N=4,149]:</b> For tasks at work Mar 13-19, 2023	12	88	*

**GPT2 BASED ON ALL ADULTS:**

		<u>Yes, I have done this</u>	<u>No, I have not done this</u>	<u>No answer to GPT2</u>	<u>Did not receive GPT2<sup>5</sup></u>
a.	For entertainment Mar 13-19, 2023	11	47	*	42
b.	To learn something new Mar 13-19, 2023	8	49	*	42
c.	For tasks at work Mar 13-19, 2023	5	33	*	62

**ASK IF SAID YES TO ANY OF CHATGPT ACTIVITIES (GPT2a=1 or GPT2b=1 or GPT2c=1)  
[N=1,337]:**

GPT3 How useful has ChatGPT been to you?

Mar 13-19, 2023

15	Extremely useful
20	Very useful
39	Somewhat useful
21	Not very useful
6	Not at all useful
*	No answer

**ASK ALL:**

CRYPT1 How much, if anything, have you heard about cryptocurrency such as Bitcoin or Ether?

Mar 13-19, 2023

29	A lot
59	A little
12	Nothing at all
1	No answer

Jul 5-17, 2022

26
62
12
1

Sep 13-19, 2021

24
62
13
*

<sup>5</sup> Those who said they have heard nothing at all about ChatGPT or gave no answer to GPT1 did not receive items a and b in GPT2. Those who also said they are currently not working or gave no answer to EMPLSIT did not receive item c in GPT2.

**ASK IF HAVE HEARD A LOT OR A LITTLE ABOUT CRYPTOCURRENCY (CRYPT1=1,2)****[N=9,751]:**

CRYPT2 Have you yourself ever invested in, traded, or used a cryptocurrency such as Bitcoin or Ether?

Mar 13-19, 2023

20	Yes, I have done this
80	No, I have not done this
1	No answer

Jul 5-17, 2022

18
81
*

Sep 13-19, 2021

18
81
1

**CRYPT2 BASED ON ALL ADULTS:**Mar 13-19, 2023

17	Yes, I have done this
70	No, I have not done this
	Have heard nothing at all about
12	cryptocurrency
1	No answer to CRYPT1
1	No answer to CRYPT2

Jul 5-17, 2022

16
71
12
1
*

Sep 13-19, 2021

16
70
13
*
*

**ASK IF HAVE INVESTED IN, TRADED, OR USED CRYPTOCURRENCY (CRYPT2=1) [N=1,565]:**CRYPTFIR When did you first invest in, trade, or use cryptocurrency?Mar 13-19, 2023

16	Within the past year
74	1 to 5 years ago
10	More than 5 years ago
1	No answer

**ASK IF HAVE INVESTED IN, TRADED, OR USED CRYPTOCURRENCY (CRYPT2=1) [N=1,565]:**CRYPTNOW Do you currently have any cryptocurrency?Mar 13-19, 2023

69	Yes, I do
31	No, I do not
*	No answer

**ASK IF HAVE HEARD A LOT OR A LITTLE ABOUT CRYPTOCURRENCY (CRYPT1=1,2)****[N=9,751]:**

CRYPTSEC How confident are you that the current ways to invest in, trade, or use cryptocurrencies are reliable and safe?

Mar 13-19, 2023

2	Extremely confident
4	Very confident
18	Somewhat confident
36	Not very confident
39	Not at all confident
1	No answer

**ASK IF HAVE INVESTED IN, TRADED, OR USED CRYPTOCURRENCY (CRYPT2=1) [N=1,565]:**

CRYPT4 Thinking about the money you have invested in cryptocurrency, overall have your investments done...

Mar 13-19, 2023

15	Better than you expected
45	Worse than you expected
32	About the same as you expected
7	Not sure
1	No answer

Jul 5-17, 2022

15
46
31
8
0

**ASK IF HAVE INVESTED IN, TRADED, OR USED CRYPTOCURRENCY (CRYPT2=1) [N=1,565]:**

CRYPTIMP Thinking about the money you have invested in cryptocurrency, overall have your investments helped or hurt your personal finances?

Mar 13-19, 2023

7	Helped a lot
14	Helped a little
60	Neither helped nor hurt
16	Hurt a little
3	Hurt a lot
1	No answer

**TWITTER1 AND TWTRM12 ARE NOT INCLUDED IN THE TOPLINE. DATA USERS CAN FIND THESE VARIABLES IN THE DATASET.**

**ASK IF HAVE USED TWITTER IN PAST 12 MONTHS (TWITTER1=1 OR TWTRM12=1) [N=3,083]:**

TWTR1 How likely are you to use Twitter a year from now?

Mar 13-19, 2023

21	Extremely likely
19	Very likely
35	Somewhat likely
17	Not very likely
8	Not at all likely
*	No answer

**ASK IF HAVE USED TWITTER IN PAST 12 MONTHS (TWITTER1=1 OR TWTRM12=1) [N=3,083]:**

TWTR2 In the past 12 months, have you taken a break from checking Twitter for a period of several weeks or more?

Mar 13-19, 2023

60	Yes, I have
39	No, I have not
1	No answer

**ASK ALL:**

TWDEMOCRACY Overall, do you think Twitter... **[RANDOMIZE RESPONSES 1 AND 2, WITH OPTION 3 ALWAYS LAST]**

Mar 13-19, 2023

16	Is mostly GOOD for American democracy
40	Is mostly BAD for American democracy
40	Has no impact on American democracy <b>[ANCHOR]</b>
4	No answer

**TWDEMOCRACY AMONG TWITTER USERS (TWITTER1=1) [N=2,496]:**

Mar 13-19, 2023

32 Is mostly GOOD for American democracy  
 28 Is mostly BAD for American democracy  
 39 Has no impact on American democracy **[ANCHOR]**  
 1 No answer

May 17-31, 2021

37  
 38  
 24  
 1

**ASK ALL:**

TWPROBLEMS

How much of a problem do you think each of the following is on  
 Twitter? **[RANDOMIZE ITEMS]**

	<u>A major problem</u>	<u>A minor problem</u>	<u>Not a problem</u>	<u>No answer</u>
a. The tone or civility of discussions Mar 13-19, 2023	43	33	19	5
b. Twitter banning users from the platform Mar 13-19, 2023	31	32	31	5
c. Twitter limiting the visibility of certain posts Mar 13-19, 2023	39	33	23	5
d. Harassment and abuse from other users Mar 13-19, 2023	52	30	14	5
e. Inaccurate or misleading information Mar 13-19, 2023	59	25	12	4

**TWPROBLEMS AMONG TWITTER USERS (TWITTER1=1) [N=2,496]:**

	<u>A major problem</u>	<u>A minor problem</u>	<u>Not a problem</u>	<u>No answer</u>
a. The tone or civility of discussions Mar 13-19, 2023	39	38	22	1
May 17-31, 2021	38	45	16	1
b. Twitter banning users from the platform Mar 13-19, 2023	30	38	31	1
May 17-31, 2021	25	33	41	1
c. Twitter limiting the visibility of certain posts Mar 13-19, 2023	41	38	20	1
May 17-31, 2021	31	36	32	1
d. Harassment and abuse from other users Mar 13-19, 2023	48	36	15	1
May 17-31, 2021	47	39	8	1
e. Inaccurate or misleading information Mar 13-19, 2023	54	31	14	1
May 17-31, 2021	53	38	8	1

**ASK IF DID NOT RESPOND TO W122 (XW122NONRES=1):<sup>6</sup>**

NEWSCOVERED How often do the outlets you get news from cover the issues and events that are MOST important to you? **[RANDOMIZE ORDER OF RESPONSE OPTIONS 1-5, 5-1]**

Mar 13-19

2023

13	Extremely often
36	Fairly often
38	Sometimes
9	Rarely
3	Never
1	No answer

**ASK IF DID NOT RESPOND TO W122 (XW122NONRES=1):<sup>7</sup>**

JOURIMP How important is it to you that the news you get comes from journalists or reporters who... **[RANDOMIZE ITEMS; RANDOMIZE ORDER OF RESPONSE OPTIONS 1-5/5-1 IN SAME ORDER AS NEWSCOVERED]**

	<u>Extremely important</u>	<u>Very important</u>	<u>Somewhat important</u>	<u>Not too important</u>	<u>Not at all important</u>	<u>No answer</u>
a. Are the same race or ethnicity as you						
Mar 13-19, 2023	2	3	9	19	66	1
b. Are around the same age as you						
Mar 13-19, 2023	1	3	11	27	58	1
c. Talk or sound like you						
Mar 13-19, 2023	2	4	14	25	54	1
d. Share your political views						
Mar 13-19, 2023	3	8	28	26	34	1
e. Are the same gender as you						
Mar 13-19, 2023	1	2	7	22	67	1
f. Share your religious views						
Mar 13-19, 2023	3	4	15	23	54	1

<sup>6</sup> This question also appeared on Wave 122, which was conducted only among Black Americans. Respondents who answered this question on Wave 122 were not re-asked the question on Wave 123, but their responses from Wave 122 are included in the full results shown here.

<sup>7</sup> This question also appeared on Wave 122, which was conducted only among Black Americans. Respondents who answered this question on Wave 122 were not re-asked the question on Wave 123, but their responses from Wave 122 are included in the full results shown here.

**ASK ALL:**

PARTY In politics today, do you consider yourself a:

**ASK IF INDEP/SOMETHING ELSE (PARTY=3 or 4) OR MISSING:**

PARTYLN As of today do you lean more to...<sup>8</sup>

<u>Republican</u>	<u>Democrat</u>	<u>Independent</u>	<u>Something</u> <u>else</u>	<u>No</u> <u>answer</u>	<i>Lean</i> <i>Rep</i>	<i>Lean</i> <i>Dem</i>
28	28	27	14	2	18	19

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<sup>8</sup> PARTY and PARTYLN asked in a prior survey.