

Survey question wording and topline

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

OTHER QUESTIONS PREVIOUSLY RELEASED OR HELD FOR FUTURE RELEASE

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

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-Jun 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-Jun 6, 2016 | 45 | 28 | 18 | 4 | 3 | 2 |

ASK ALL:

BIO34 Overall, do you think...

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

TREND FOR COMPARISON

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

Nov 29-Dec 8,
2022

| | |
|----|---|
| 85 | <i>The benefits of childhood vaccines for measles, mumps and rubella outweigh the risks</i> |
| 12 | <i>The risks of childhood vaccines for measles, mumps and rubella outweigh the benefits</i> |
| 3 | <i>No answer</i> |

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 <u>children and adults</u> | Healthy children should be required to be vaccinated in order to attend public schools because of the potential risk for others when children <u>are not vaccinated</u> | <u>No answer</u> |
|--------------------|---|---|------------------|
| Mar 13-19, 2023 | 28 | 70 | 2 |
| Oct 1-13, 2019 | 16 | 82 | 1 |
| May 10-Jun 6, 2016 | 17 | 82 | 2 |

TREND FOR COMPARISON

KFF 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?

| | Mar 13-19, 2023 |
|--|--------------------|
| NET General side effects, allergic reactions, each child could react differently | 18 |
| <i>General side effects or allergic reactions</i> | 18 |
| <i>Each child could react differently</i> | 1 |
| NET Supportive of MMR vaccines; public health risks from those unvaccinated | 12 |
| <i>None/nothing</i> | 7 |
| <i>Supportive of MMR vaccines</i> | 3 |
| <i>Harm from those unvaccinated</i> | 2 |
| NET Autism, development delays during childhood | 5 |
| <i>Autism</i> | 4 |
| <i>Development delays during childhood</i> | 1 |
| NET Death, specific disease or ailment | 5 |
| <i>Specific disease/ailment</i> | 3 |
| <i>Death</i> | 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 |
| NET Not applicable/Other/Unclear | 11 |
| <i>Other</i> | 5 |
| <i>Unclear</i> | 4 |
| <i>Not applicable/Does not have a child</i> | 1 |
| NET Don't know/Refused | 41 |
| <i>Refused</i> | 35 |
| <i>Don't know</i> | 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 |

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 |

OTHER QUESTIONS HELD FOR FUTURE RELEASE

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]**

| | Very concerned | Somewhat concerned | Not too concerned | Not at all concerned | No answer |
|---|-------------------|-----------------------|----------------------|-------------------------|-----------|
| 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?

| | <u>NET Have received at least one dose of a vaccine</u> | <u>Yes, have had all the shots needed to be fully vaccinated</u> | <u>Yes, have had one shot but still need one more</u> | <u>No, have not received a 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_BOOST²

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 received a booster <u>shot</u> | No received a booster shot/Does <u>not apply</u> | No answer to COVID_ <u>BOOST</u> | 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> |
|-----------------|---|-----------------|---|--|---|--|--|--|
| Mar 13-19, 2023 | 34 | 35 | 34 | <1 | <1 | 7 | 21 | 2 |
| Sep 13-18, 2022 | 38 | 33 | 38 | <1 | <1 | 6 | 21 | 2 |
| May 2-8, 2022 | 49 | 23 | 49 | <1 | <1 | 5 | 21 | 2 |
| Jan 24-30, 2022 | 48 | 25 | 48 | <1 | <1 | 5 | 20 | 2 |

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

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

| | |
|---------------------------|--|
| Mar 13-19, <u>2023</u> | |
| 36 | Yes |
| 54 | No |
| 2 | Not sure |
| 7 | My child is not old enough to receive this vaccine |
| 1 | No answer |

² COVID_VAXDMOD and COVID_BOOST were asked of all respondents to measure 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?

| | Yes, have gotten a flu <u>shot since August</u> | No, have not gotten a <u>flu shot since August</u> | <u>No answer</u> |
|------------------------------|--|---|------------------|
| Mar 13-19, 2023 | 49 | 51 | 1 |
| Nov 18-29, 2020 ³ | 44 | 55 | <1 |

ASK ALL:

SCI_FLU2 How often do you typically get a flu shot?

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

OTHER QUESTIONS PREVIOUSLY RELEASED OR HELD FOR FUTURE RELEASE

³ In the November 2020 survey, the question wording was, "Since August of this year, have you gotten a flu shot?"