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# How Americans View the Coronavirus, COVID-19 Vaccines Amid Declining Levels of Concern

Continued decline in share of U.S. adults with up-to-date vaccination

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## How we did this

Pew Research Center conducted this study to understand Americans' views of the coronavirus and COVID-19 vaccines. For this analysis, we surveyed 10,133 U.S. adults from Feb. 7 to 11, 2024.

Everyone who took part in the survey is a member of the Center's American Trends Panel (ATP), an online survey panel that is recruited through national, random sampling of residential addresses. This way, nearly all U.S. adults have a chance of selection. The survey is weighted to be representative of the U.S. adult population by gender, race, ethnicity, partisan affiliation, education and other categories. Read more about the <u>ATP's methodology</u>.

Here are the <u>questions used for this report</u>, along with responses, and <u>its methodology</u>.

## How Americans View the Coronavirus, COVID-19 Vaccines Amid Declining Levels of Concern

Continued decline in share of U.S. adults with up-to-date vaccination

A new Pew Research Center survey finds that just 20% of Americans view <u>the coronavirus</u> as a major threat to the health of the U.S. population today and only 10% are very concerned they will get it and require hospitalization. This data represents a low ebb of public concern about the virus that reached its height in the summer and fall of 2020, when as many as two-thirds of Americans viewed COVID-19 as a major threat to public health.

Just 28% of U.S. adults say they have received the updated COVID-19 vaccine, which the <u>Centers</u> for <u>Disease Control and Prevention (CDC) recommended last fall</u> to protect against serious illness. This stands in stark contrast to the spring and summer of 2021, when long lines and limited availability characterized the initial rollout of the first COVID-19 vaccines. A majority of U.S. adults (69%) had been fully vaccinated by August 2021.

Underscoring the limited demand for the updated COVID-19 vaccines, a larger share of U.S. adults say they've gotten a flu shot in the last six months than the updated coronavirus vaccine (44% vs. 28%). And despite a <u>public health push encouraging adults to get both</u> vaccines at the same time, almost half of those who received a flu shot from a health care provider chose *not* to get the updated COVID-19 vaccine.

The <u>vast majority of Americans</u> <u>have some level of protection</u> from the coronavirus because of vaccination, prior infection or a combination of the two. This has led to a decline in severe illness from the disease.

Still, the virus continues to <u>circulate widely in the United</u> <u>States</u>, with wastewater data suggesting that cases in the early part of 2024 were among the highest they have been since the first omicron wave in 2022.

Long COVID ranks among the concerns of public health experts. <u>Long COVID refers to</u> <u>a variety of symptoms</u> such as fatigue and brain fog that last longer than a month after a COVID-19 infection.

The survey – conducted among 10,133 U.S. adults from Feb. 7 to 11, 2024 – finds that 50% of Americans say it is extremely or very important for medical

#### Declining share of Americans have the most up-todate level of protection against the coronavirus

% of U.S. adults who report that they are up to date with COVID-19 vaccines



Note: August 2021 data shows the share of U.S. adults who said they were fully vaccinated. January 2022 and March 2023 data shows the share who said they were fully vaccinated and had received a booster shot within the last six months. February 2024 data shows the share who say they have received the updated COVID-19 vaccine. Respondents who gave other responses or did not give an answer are not shown.

Source: Survey of U.S. adults conducted Feb. 7-11, 2024.

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researchers and health care providers to understand and treat long COVID; 27% see this as a less important issue and 22% of Americans say they haven't heard of long COVID.

#### **Continuity and change: Partisan views of COVID-19**

Partisanship remains one of the most powerful factors shaping views about COVID-19 vaccines and the virus. But the size and nature of differences between Republicans and Democrats have evolved since earlier stages of the outbreak.

For instance, the gap between the shares of Democrats and Republicans who view the coronavirus as a major threat to public health has fallen from 37 percentage points in May 2022 to 16 points today. In the pandemic's first year, Democrats were routinely about 40 points more likely than Republicans to view the coronavirus as a major threat to the health of the U.S. population. This gap has waned as overall levels of concern have fallen.

When it comes to vaccination, Democrats and Democratic-leaning independents remain more likely than Republicans and GOP leaners to say they've received an updated COVID-19 vaccine (42% vs. 15%). This 27-point gap in recent vaccination is about the same as in January 2022 when 62% of Democrats and 33% of Republicans said they were up to date (i.e., fully vaccinated and recently boosted).

In addition to partisanship, age continues to matter a great deal in attitudes and behaviors tied to the coronavirus. And the intersection of partisanship and age reveals one of the biggest

#### Amid waning public concern, smaller partisan gap in views of the public health threat posed by the coronavirus

% of U.S. adults who say the coronavirus today is a **major threat** to the health of the U.S. population



Note: Respondents who gave other responses or did not give an answer are not shown.

Source: Survey of U.S. adults conducted Feb. 7-11, 2024. "How Americans View the Coronavirus, COVID-19 Vaccines Amid Declining Levels of Concern"

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recent changes in the public's response to the outbreak: a growing divergence between the oldest Republicans and oldest Democrats in vaccine uptake, which is explored below.

### COVID-19 vaccination among adults ages 65 and older, by party

Older adults continue to be one of the most <u>at-risk groups for</u> <u>severe illness</u> and death from COVID-19.

When vaccines first became available in 2021, large majorities of *both* Republicans and Democrats ages 65 and older said they had received the vaccine. But as additional doses have become available, uptake among older Republicans has declined at a faster rate than among older Democrats.

In the current survey, 66% of Democrats ages 65 and older say they have received the updated COVID-19 vaccine, compared with 24% of Republicans ages 65 and older.

This 42-point partisan gap is much wider now than at other points since the start of the outbreak. For instance, in August 2021, 93% of older

## Sharp decline in share of older Republicans who are up to date on COVID-19 vaccinations

Among **U.S. adults ages 65 and older**, % who report that they are up to date with COVID-19 vaccines



Note: August 2021 data shows the share of U.S. adults who said they were fully vaccinated. January 2022 and March 2023 data shows the share who said they were fully vaccinated and had received a booster shot within the last six months. February 2024 data shows the share who say they have received the updated COVID-19 vaccine. Respondents who gave other responses or did not give an answer are not shown.

Source: Survey of U.S. adults conducted Feb. 7-11, 2024. "How Americans View the Coronavirus, COVID-19 Vaccines Amid Declining Levels of Concern"

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Democrats and 78% of older Republicans said they had received all the shots needed to be fully vaccinated (a 15-point gap). Go to the <u>Appendix</u> for more details.

#### **How COVID-19 vaccination** varies by age within parties

The impact of age is also striking when looking within political parties.

Among Democrats, about three-in-ten adults under 50 have received an updated COVID-19 vaccine, compared with 48% of those ages 50 to 64 and 66% of Democrats ages 65 and older.

Age differences within the GOP run in the same direction, but are much more modest, reflecting, in part, low overall levels of vaccine uptake.

#### How COVID-19 vaccination varies by race and ethnicity

Similar shares of White (28%), Black (29%) and Hispanic (27%) adults say they have gotten the updated vaccine. **English-speaking Asian adults** (35%) are slightly more likely to report receiving the updated vaccine.

As in past Center surveys, there are racial and ethnic differences in vaccine uptake among Democrats.

#### Younger Democrats much less likely than older Democrats to have received new COVID-19 vaccine

% of U.S. adults who say they \_\_\_\_ the updated vaccine for COVID-19 that became available last September



| Very               | 52 |    | 48 |
|--------------------|----|----|----|
| Somewhat           | 58 | Ĺ  | 11 |
| Not too/Not at all | 74 | 25 |    |

\* Estimates for Asian adults are representative of English speakers only. Note: Respondents who did not give an answer are not shown. White, Black and Asian adults include those who report being only one race and are not Hispanic. Hispanic adults are of any race.

Source: Survey of U.S. adults conducted Feb. 7-11, 2024.

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For instance, 50% of White Democrats and 42% of English-speaking Asian Democrats report having received the updated vaccine, compared with somewhat smaller shares of Black and Hispanic Democrats (32% each).

### Views of long COVID

Half of Americans say it is extremely or very important for medical researchers and health care providers to understand and treat long COVID, considering all the different priorities they face.

About two-in-ten (21%) say it's somewhat important for those in medicine to address long COVID, while 6% say it is not too or not at all important. Another 22% say they haven't heard of long COVID.

More Democrats (61%) than Republicans (37%) say it is extremely or very important for medical researchers and health care providers to understand and treat long COVID.

A majority of women (56%) consider this extremely or very

Half of Americans say it is extremely or very important for medical professionals to address long COVID

% of U.S. adults who say it is \_\_\_\_ important for medical researchers and health care providers to understand and treat long COVID



Note: Respondents who did not give an answer are not shown. Source: Survey of U.S. adults conducted Feb. 7-11, 2024. "How Americans View the Coronavirus, COVID-19 Vaccines Amid Declining Levels of Concern"

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important; a smaller share of men (44%) say the same. The CDC has reported that <u>women are</u> <u>more likely than men to develop long COVID</u> symptoms.

Awareness of long COVID also shapes views on its importance: Those who have heard a lot about long COVID are more likely than those who have heard a little about it to say it's extremely or very important for medical professional to address it (76% vs. 60%).

### Views of the threat posed by the coronavirus

One-in-five Americans now say the coronavirus is a major threat to the health of the U.S. population, down from a high of 67% in July 2020.

Concern about the coronavirus as a major threat to the U.S. economy has also declined dramatically. Today, 23% of Americans say it's a major threat to the economy, compared with 88% in May 2020. The pandemic spurred an economic recession in 2020 and a <u>spike in unemployment</u> that reached the highest levels since the Great Recession.

#### Federal policy on the

## **1** in 5 Americans now say the coronavirus is a major threat to public health

% of U.S. adults who say the coronavirus today is a **major threat** to ...



Source: Survey of U.S. adults conducted Feb. 7-11, 2024. "How Americans View the Coronavirus, COVID-19 Vaccines Amid Declining Levels of Concern"

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coronavirus has changed as public concern – and the incidence of severe illness – has fallen. The Biden administration ended the public health emergency for the coronavirus pandemic in May 2023. And the <u>CDC recently released updated guidelines with shorter isolation periods</u> for adults testing positive for the disease.

While large partisan gaps characterized views of the coronavirus as a major threat to public health for much of the pandemic, those gaps were far smaller on views of the virus as a major threat to the economy. In the current survey, just a 6-point gap separates Republicans and Democrats with this view (20% vs. 26%, respectively) – similar to the 9-point party gap seen in May 2022.

### Personal concern about getting or spreading COVID-19

About a quarter of Americans (27%) are very or somewhat concerned about getting a serious case of COVID-19 that would require hospitalization. A somewhat higher share (40%) say they are very or somewhat concerned they might spread the coronavirus to other people without knowing it.

Levels of concern for getting or spreading the coronavirus are about the same as they were in March 2023 and remain down dramatically from early in the pandemic.

The share of Americans who are very or somewhat concerned about getting a serious case is 26 points lower than in November 2020, before a COVID-19 vaccine was available to the public. And the share of Americans who are at least somewhat concerned about spreading COVID-19 without knowing it is down 24 points since November 2020.

Still, the current data shows how the virus remains a concern in daily life for many

## Long-term decline in concern about getting a serious case of COVID-19 or unknowingly spreading it

% of U.S. adults who say they are very/somewhat concerned that they ...



Note: Respondents who gave other responses or did not give an answer are not shown. Source: Survey of U.S. adults conducted Feb. 7-11, 2024. "How Americans View the Coronavirus, COVID-19 Vaccines Amid Declining Levels of Concern"

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Americans, more than four years after the first confirmed coronavirus cases appeared in the U.S.

Consistent with past Center surveys, there are demographic and political differences in personal concern about getting a serious case of COVID-19 and unknowingly spreading the virus:

- Income: Lower-income Americans continue to be particularly concerned (38%) about getting a serious case of COVID-19. They're also more likely than middle- and upperincome Americans to worry about unknowingly spreading COVID-19, but the differences are more modest.
- Party: Democrats (54%) are more than twice as likely as Republicans (24%) to be very or somewhat concerned about unknowingly spreading COVID-19. And they're 16 points more likely to express concern about getting a serious case of the disease.
- Race and ethnicity:

White Americans (20%) are less likely to be concerned about getting a serious case of COVID-19 than Black (43%), Hispanic (39%) and English-speaking Asian Americans (36%).

## Democrats much more concerned than Republicans about risk of unknowingly spreading COVID-19

% of U.S. adults who say they are very/somewhat concerned that they ...



Will get COVID-19 and



54

Might unknowingly spread

\* Estimates for Asian adults are representative of English speakers only. Note: Respondents who gave other responses or did not give an answer are not shown. White, Black and Asian adults include those who report being only one race and are not Hispanic. Hispanic adults are of any race. Family income tiers are based on adjusted 2022 earnings.

Source: Survey of U.S. adults conducted Feb. 7-11, 2024. "How Americans View the Coronavirus, COVID-19 Vaccines Amid Declining Levels of Concern"

Some of the groups most personally concerned about getting a severe case of COVID-19 are also among the groups most concerned about the public health threat from the coronavirus. For example, Black adults and adults with lower incomes express more concern about the personal health and public health impact of the coronavirus than White adults and those with upper incomes.

### Uptake of the flu shot

The survey finds 44% of U.S. adults say they have gotten a flu shot since August. This share is down slightly from last March, when 49% of Americans said they had recently gotten a flu shot.

Uptake varies by the following factors:

- Age: Older Americans continue to be more likely to report getting the flu shot. Two-thirds of Americans ages 65 and older say they have gotten the flu shot since August. By comparison, only about a third of those under age 50 say the same. These large age differences are seen among both Democrats and Republicans.
- Race and ethnicity: English-speaking Asian Americans (52%) and White Americans (48%) are more likely than Black Americans (38%) and

## Majorities of the oldest U.S. adults got a flu shot this year and say they typically get one annually

% of U.S. adults who say each of the following



Have gotten 29

\* Estimates for Asian adults are representative of English speakers only.
Note: Respondents who did not give an answer are not shown. White, Black and Asian adults include those who report being only one race and are not Hispanic. Hispanic adults are of any race.
Source: Survey of U.S. adults conducted Feb. 7-11, 2024.
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34

14

51

Hispanic Americans (33%) to say they have gotten a flu shot since August. These racial and ethnic differences are consistent with past Center surveys.

• **Partisan affiliation:** Democrats are more likely than Republicans to say they got a flu shot this year (53% vs. 37%). This 16-point gap is twice as big now as it was in November 2020, during the pandemic's first year. The current partisan difference in flu shot uptake is similar to the one recorded in March 2023.

The flu shot and updated COVID-19 vaccines are both recommended to protect against severe illness, but Americans approach these vaccines differently.

Americans are more likely to report that they received a flu shot than the updated COVID-19 vaccine this year (44% vs. 28%).

This gap in uptake between the flu shot and updated COVID-19 vaccine is more pronounced among Republicans than Democrats.

Republicans are more than twice as likely to say they've gotten a flu shot since August as to say they've received an updated COVID-19 vaccine (37% vs. 15%). Among Democrats, this difference is more modest (53% vs. 42%).

## Republicans are much more likely to get the flu shot than the updated COVID-19 vaccine

% of U.S. adults who say they **have gotten** each of the following since they became available last year

![](_page_15_Figure_8.jpeg)

Note: Respondents who gave other responses or did not give an answer are not shown. Source: Survey of U.S. adults conducted Feb. 7-11, 2024.

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## Methodology

### The American Trends Panel survey methodology

#### **Overview**

The American Trends Panel (ATP), created by Pew Research Center, is a nationally representative panel of randomly selected U.S. adults. Panelists participate via self-administered web surveys. Panelists who do not have internet access at home are provided with a tablet and wireless internet connection. Interviews are conducted in both English and Spanish. The panel is being managed by Ipsos.

Data in this report is drawn from ATP Wave 142, conducted from Feb. 7 to 11, 2024, and includes an <u>oversample</u> of non-Hispanic Asian adults, non-Hispanic Black men, and Hispanic men in order to provide more precise estimates of the opinions and experiences of these smaller demographic subgroups. These oversampled groups are weighted back to reflect their correct proportions in the population. A total of 10,133 panelists responded out of 11,117 who were sampled, for a response rate of 91%. The cumulative response rate accounting for nonresponse to the recruitment surveys and attrition is 3%. The break-off rate among panelists who logged on to the survey and completed at least one item is less than 1%. The margin of sampling error for the full sample of 10,133 respondents is plus or minus 1.5 percentage points.

#### **Panel recruitment**

The ATP was created in 2014. with the first cohort of panelists invited to join the panel at the end of a large, national, landline and cellphone random-digit-dial survey that was conducted in both English and Spanish. Two additional recruitments were conducted using the same method in 2015 and 2017, respectively. Across these three surveys, a total of 19,718 adults were invited to join the ATP, of whom 9,942 (50%) agreed to participate.

In August 2018, the ATP switched from telephone to address-based sampling (ABS)

#### American Trends Panel recruitment surveys

| Recruitment dates                                     | Mode                  | Invited | loined | Active<br>panelists<br>remaining |
|---|-----------------------|---------|--------|----------------------------------|
|   | iniouc (              | mvitou  | Joineu | Temaning                         |
| Jan. 23 to March 16, 2014                             | cell RDD              | 9,809   | 5,338  | 1,391                            |
| Aug. 27 to Oct. 4, 2015                               | Landline/<br>cell RDD | 6,004   | 2,976  | 831                              |
| April 25 to June 4, 2017                              | Landline/<br>cell RDD | 3,905   | 1,628  | 404                              |
| Aug. 8 to Oct. 31, 2018                               | ABS                   | 9,396   | 8,778  | 3,848                            |
| Aug. 19 to Nov. 30, 2019                              | ABS                   | 5,900   | 4,720  | 1,387                            |
| June 1 to July 19, 2020;<br>Feb. 10 to March 31, 2021 | ABS                   | 3,197   | 2,812  | 1,440                            |
| May 29 to July 7, 2021;<br>Sept. 16 to Nov. 1, 2021   | ABS                   | 1,329   | 1,162  | 731                              |
| May 24 to Sept. 29, 2022                              | ABS                   | 3,354   | 2,869  | 1,454                            |
| April 17 to May 30, 2023                              | ABS                   | 686     | 576    | 434                              |
|   | Total                 | 43,580  | 30,859 | 11,920                           |

. ..

Note: RDD is random-digit dial; ABS is address-based sampling. Approximately once per year, panelists who have not participated in multiple consecutive waves or who did not complete an annual profiling survey are removed from the panel. Panelists also become inactive if they ask to be removed from the panel.

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recruitment. A study cover letter and a pre-incentive are mailed to a stratified, random sample of households selected from the U.S. Postal Service's Delivery Sequence File. This Postal Service file has been estimated to cover as much as 98% of the population, although some studies suggest that the coverage could be in the low 90% range.<sup>1</sup> Within each sampled household, the adult with the next birthday is asked to participate. Other details of the ABS recruitment protocol have changed over time but are available upon request.<sup>2</sup>

We have recruited a national sample of U.S. adults to the ATP approximately once per year since 2014. In some years, the recruitment has included additional efforts (known as an "oversample") to boost sample size with underrepresented groups. For example, Hispanic adults, Black adults and Asian adults were oversampled in 2019, 2022 and 2023, respectively.

Across the six address-based recruitments, a total of 23,862 adults were invited to join the ATP, of whom 20,917 agreed to join the panel and completed an initial profile survey. Of the 30,859

<sup>&</sup>lt;sup>1</sup> AAPOR Task Force on Address-based Sampling. 2016. <u>"AAPOR Report: Address-based Sampling."</u>

<sup>&</sup>lt;sup>2</sup> Email <u>pewsurveys@pewresearch.org</u>.

individuals who have ever joined the ATP, 11,920 remained active panelists and continued to receive survey invitations at the time this survey was conducted.

The American Trends Panel never uses breakout routers or chains that direct respondents to additional surveys.

#### Sample design

The overall target population for this survey was noninstitutionalized persons ages 18 and older living in the United States, including Alaska and Hawaii. It featured a stratified random sample from the ATP in which Hispanic men, non-Hispanic Black men, and non-Hispanic Asian adults were selected with certainty. The remaining panelists were sampled at rates designed to ensure that the share of respondents in each stratum is proportional to its share of the U.S. adult population to the greatest extent possible. Respondent weights are adjusted to account for differential probabilities of selection as described in the Weighting section below.

#### **Questionnaire development and testing**

The questionnaire was developed by Pew Research Center in consultation with Ipsos. The web program was rigorously tested on both PC and mobile devices by the Ipsos project management team and Pew Research Center researchers. The Ipsos project management team also populated test data that was analyzed in SPSS to ensure the logic and randomizations were working as intended before launching the survey.

#### Incentives

All respondents were offered a post-paid incentive for their participation. Respondents could choose to receive the post-paid incentive in the form of a check or a gift code to Amazon.com or could choose to decline the incentive. Incentive amounts ranged from \$5 to \$15 depending on whether the respondent belongs to a part of the population that is harder or easier to reach. Differential incentive amounts were designed to increase panel survey participation among groups that traditionally have low survey response propensities.

#### **Data collection protocol**

The data collection field period for this survey was Feb. 7 to 11, 2024. Postcard notifications were mailed to a subset of ATP panelists with a known residential address on Feb. 7.<sup>3</sup>

<sup>&</sup>lt;sup>3</sup> Postcard notifications are sent to 1) panelists who have been provided with a tablet to take ATP surveys, 2) panelists who were recruited within the last two years, and 3) panelists recruited prior to the last two years who opt to continue receiving postcard notifications.

Invitations were sent out in two separate launches: soft launch and full launch. Sixty panelists were included in the soft launch, which began with an initial invitation sent on the morning of Feb. 7. The ATP panelists chosen for the initial soft launch

#### Invitation and reminder dates, ATP Wave 142

|                     | Soft launch   | Full launch   |
|---------------------|---------------|---------------|
| Initial invitation  | Feb. 7, 2024  | Feb. 7, 2024  |
| First reminder      | Feb. 9, 2024  | Feb. 9, 2024  |
| Final reminder      | Feb. 11, 2024 | Feb. 11, 2024 |
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were known responders who had completed previous ATP surveys within one day of receiving their invitation. All remaining English- and Spanish-speaking sampled panelists were included in the full launch and were sent an invitation on the afternoon of Feb. 7.

All panelists with an email address received an email invitation and up to two email reminders if they did not respond to the survey. All ATP panelists who consented to SMS messages received an SMS invitation and up to two SMS reminders.

#### **Data quality checks**

To ensure high-quality data, the Center's researchers performed data quality checks to identify any respondents showing clear patterns of satisficing. This includes checking for whether respondents left questions blank at very high rates or always selected the first or last answer presented. As a result of this checking, two ATP respondents were removed from the survey dataset prior to weighting and analysis.

#### Weighting

The ATP data is weighted in a multistep process that accounts for multiple stages of sampling and nonresponse that occur at different points in the survey process. First, each panelist begins with a base weight that reflects their probability of selection for their initial recruitment survey. These weights are then rescaled and adjusted to account for changes in the design of ATP recruitment surveys from year to year. Finally, the weights are calibrated to align with the population benchmarks in the accompanying table to correct for nonresponse to recruitment

#### American Trends Panel weighting dimensions

| Variable   | Benchmark source   |
|--|--|
| Age (detailed)   | 2022 American Community Survey                           |
| Age x Gender   | (ACS)  |
| Education x Gender   |  |
| Education x Age  |  |
| Race/Ethnicity x Education   |  |
| Black (alone or in combination) x Hispanic   |  |
| Born inside vs. outside the U.S. among<br>Hispanics and Asian Americans                  |  |
| Years lived in the U.S.  |  |
| Census region x Metropolitan status  |  |
| Volunteerism   | 2021 CPS Volunteering & Civic Life Supplement            |
| Voter registration   | 2022 CPS Voting and Registration Supplement              |
| Party affiliation x Race/Ethnicity<br>Frequency of internet use<br>Religious affiliation | 2023 National Public Opinion<br>Reference Survey (NPORS) |
| Note: Estimates from the ACS are based on noni   | nstitutionalized adults. Voter registration is           |
| calculated using procedures from Hur, Achen (2) adult population.                        | 013) and rescaled to include the total U.S.              |
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surveys and panel attrition. If only a subsample of panelists was invited to participate in the wave, this weight is adjusted to account for any differential probabilities of selection.

Among the panelists who completed the survey, this weight is then calibrated again to align with the population benchmarks identified in the accompanying table and trimmed at the 2nd and 98th percentiles to reduce the loss in precision stemming from variance in the weights. This trimming is performed separately among non-Hispanic Black, non-Hispanic Asian, Hispanic and all other respondents. Sampling errors and tests of statistical significance take into account the effect of weighting.

| Sample sizes and margins of error, ATP Wave 142 |                           |                       |  |  |  |  |
|---|---------------------------|-----------------------|--|--|--|--|
| Group   | Unweighted<br>sample size | Plus or minus         |  |  |  |  |
| Total sample                                    | 10,133                    | 1.5 percentage points |  |  |  |  |
| Form 1  | 5 050                     | 2.1 porcentare pointe |  |  |  |  |
| Form 1  | 5,050                     | 2.1 percentage points |  |  |  |  |
| Form 2  | 5,083                     | 2.1 percentage points |  |  |  |  |
|   |                           |                       |  |  |  |  |
| Men   | 4,557                     | 2.3 percentage points |  |  |  |  |
| Women   | 5,485                     | 1.9 percentage points |  |  |  |  |
|   |                           |                       |  |  |  |  |
| White   | 6,505                     | 1.7 percentage points |  |  |  |  |
| Black   | 1,258                     | 4.2 percentage points |  |  |  |  |
| Hispanic  | 1,252                     | 4.9 percentage points |  |  |  |  |
| Asian*  | 651                       | 6.0 percentage points |  |  |  |  |
|   |                           |                       |  |  |  |  |
| Ages 18-29                                      | 747                       | 4.7 percentage points |  |  |  |  |
| 30-49   | 3,239                     | 2.6 percentage points |  |  |  |  |
| 50-64   | 2,935                     | 2.6 percentage points |  |  |  |  |
| 65+   | 3,189                     | 2.4 percentage points |  |  |  |  |
|   |                           |                       |  |  |  |  |
| Rep/lean Rep                                    | 4,594                     | 2.1 percentage points |  |  |  |  |
| Dem/lean Dem                                    | 5,227                     | 2.1 percentage points |  |  |  |  |
|   |                           |                       |  |  |  |  |

The following table shows the unweighted sample sizes and the error attributable to sampling that would be expected at the 95% level of confidence for different groups in the survey.

\* Estimates for Asian adults are representative of English speakers only. Note: This survey includes oversamples of non-Hispanic Asian adults, non-Hispanic Black men, and Hispanic men. Unweighted sample sizes do not account for the sample design or weighting and do not describe a group's contribution to weighted estimates. Refer to the Sample design and Weighting sections for details.

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Sample sizes and sampling errors for other subgroups are available upon request. In addition to sampling error, one should bear in mind that question wording and practical difficulties in conducting surveys can introduce error or bias into the findings of opinion polls.

#### **Dispositions and response rates**

#### Final dispositions, ATP Wave 142

|  | AAPOR code | Total  |
|--|------------|--------|
| Completed interview                                  | 1.1        | 10,133 |
| Logged on to survey; broke off                       | 2.12       | 27     |
| Logged on to survey; did not complete any items      | 2.1121     | 81     |
| Never logged on (implicit refusal)                   | 2.11       | 873    |
| Survey completed after close of the field period     | 2.27       | 1      |
| Completed interview but was removed for data quality |            | 2      |
| Screened out   |            | 0      |
| Total panelists sampled for the survey               |            | 11,117 |
| Completed interviews                                 | I          | 10,133 |
| Partial interviews                                   | Р          | 0      |
| Refusals   | R          | 981    |
| Non-contact  | NC         | 1      |
| Other  | 0          | 2      |
| Unknown household                                    | UH         | 0      |
| Unknown other  | UO         | 0      |
| Not eligible   | NE         | 0      |
| Total  |            | 11,117 |
| AAPOR RR1 = I / (I+P+R+NC+O+UH+UO)                   |            | 91%    |
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#### Cumulative response rate as of ATP Wave 142

|   | Total |
|---|-------|
| Weighted response rate to recruitment surveys   | 11%   |
| % of recruitment survey respondents who agreed to join the panel, among those invited | 71%   |
| % of those agreeing to join who were active panelists at start of<br>Wave 142         | 45%   |
| Response rate to Wave 142 survey  | 91%   |
| Cumulative response rate  | 3%    |
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#### How family income tiers are calculated

Family income data reported in this study is adjusted for household size and cost-of-living differences by geography. Panelists then are assigned to income tiers that are based on the median adjusted family income of all American Trends Panel members. The process uses the following steps:

- 1. First, panelists are assigned to the midpoint of the income range they selected in a family income question that was measured on either the most recent annual profile survey or, for newly recruited panelists, their recruitment survey. This provides an approximate income value that can be used in calculations for the adjustment.
- 2. Next, these income values are adjusted for the cost of living in the geographic area where the panelist lives. This is calculated using price indexes published by the U.S. Bureau of Economic Analysis. These indexes, known as <u>Regional Price Parities</u> (RPP), compare the prices of goods and services across all U.S. metropolitan statistical areas as well as non-metro areas with the national average prices for the same goods and services. The most recent available data at the time of the annual profile survey is from 2021. Those who fall outside of metropolitan statistical areas are assigned the overall RPP for their state's non-metropolitan area.
- 3. Family incomes are further adjusted for the number of people in a household using the methodology from Pew Research Center's previous work on <u>the American middle class</u>. This is done because a four-person household with an income of, say, \$50,000 faces a tighter budget constraint than a two-person household with the same income.
- 4. Panelists are then assigned an income tier. "Middle-income" adults are in families with adjusted family incomes that are between two-thirds and double the median adjusted family income for the full ATP at the time of the most recent annual profile survey. The median adjusted family income for the panel is roughly \$71,800. Using this median income, the middle-income range is about \$47,900 to \$143,600. Lower-income families have adjusted incomes less than \$47,900, and upper-income families have adjusted incomes greater than \$143,600 (all figures expressed in 2022 dollars and scaled to a household size of three). If a panelist did not provide their income and/or their household size, they are assigned "no answer" in the income tier variable.

Two examples of how a given area's cost-of-living adjustment was calculated are as follows: The Anniston-Oxford metropolitan area in Alabama is a relatively inexpensive area, with a price level that is 16.2% less than the national average. The San Francisco-Oakland-Berkeley metropolitan

area in California is one of the most expensive areas, with a price level that is 19.8% higher than the national average. Income in the sample is adjusted to make up for this difference. As a result, a family with an income of \$41,900 in the Anniston-Oxford area is as well-off financially as a family of the same size with an income of \$59,900 in San Francisco.

#### A note about the Asian adult sample

This survey includes a total sample size of 651 Asian adults. The sample primarily includes English-speaking Asian adults and, therefore, may not be representative of the overall Asian adult population. Despite this limitation, it is important to report the views of Asian adults on the topics in this study. As always, Asian adults' responses are incorporated into the general population figures throughout this report.

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### **Appendix: Detailed chart and tables**

#### COVID-19 vaccination by age group and political party

% of U.S. adults who report that they are up to date with COVID-19 vaccines

|                            | August<br>2021 | January<br>2022 | March<br>2023 | February<br>2024 |
|----------------------------|----------------|-----------------|---------------|------------------|
| Ages 18-29                 | 59             | 35              | 23            | 23               |
| 30-49                      | 63             | 39              | 27            | 22               |
| 50-64                      | 69             | 50              | 36            | 28               |
| 65+                        | 85             | 71              | 53            | 42               |
| Among adults<br>ages 18-29 |                |                 |               |                  |
| Rep/lean Rep               | 37             | 14              | 10            | 10               |
| Dem/lean Dem               | 74             | 47              | 30            | 30               |
| Among adults<br>ages 30-49 |                |                 |               |                  |
| Rep/lean Rep               | 47             | 22              | 13            | 10               |
| Dem/lean Dem               | 77             | 54              | 42            | 32               |
| Among adults<br>ages 50-64 |                |                 |               |                  |
| Rep/lean Rep               | 53             | 31              | 20            | 13               |
| Dem/lean Dem               | 87             | 71              | 59            | 48               |
| Among adults<br>ages 65+   |                |                 |               |                  |
| Rep/lean Rep               | 78             | 58              | 36            | 24               |
| Dem/lean Dem               | 93             | 84              | 75            | 66               |

Note: August 2021 data shows the share of U.S. adults who said they were fully vaccinated. January 2022 and March 2023 data shows the share who said they were fully vaccinated and had received a booster shot within the last six months. February 2024 data shows the share who say they have received the updated COVID-19 vaccine. Respondents who gave other responses or did not give an answer are not shown.

Source: Survey of U.S. adults conducted Feb. 7-11, 2024.

"How Americans View the Coronavirus, COVID-19 Vaccines Amid Declining Levels of Concern"  $% \mathcal{A}^{(2)}$ 

## Most Americans have heard at least a little about long COVID; 22% have heard nothing at all

% of U.S. adults who say they have heard or read <u>double</u> about long COVID, which is defined as having symptoms lasting longer than a month

![](_page_27_Figure_3.jpeg)

\* Estimates for Asian adults are representative of English speakers only.

Note: Respondents who did not give an answer are not shown. White, Black and Asian adults include those who report being only one race and are not Hispanic. Hispanic adults are of any race.

Source: Survey of U.S. adults conducted Feb. 7-11, 2024.

"How Americans View the Coronavirus, COVID-19 Vaccines Amid Declining Levels of Concern"  $% \mathcal{A}^{(2)}$ 

#### Democrats more likely than Republicans to say they have gotten a flu shot this year

% of U.S. adults who say they have done the following since August

![](_page_28_Figure_3.jpeg)

Note: Respondents who did not give an answer are not shown. Source: Survey of U.S. adults conducted Feb. 7-11, 2024. "How Americans View the Coronavirus, COVID-19 Vaccines Amid Declining Levels of Concern"

## Survey question wording and topline

#### 2024 PEW RESEARCH CENTER'S AMERICAN TRENDS PANEL WAVE 142 – SCIENCE TOPLINE February 7-11, 2024 N=10,133

#### OTHER QUESTIONS PREVIOUSLY RELEASED OR HELD FOR FUTURE RELEASE

DISPLAY TO FORM 1: On a different topic...

#### ASK FORM 1 [N=5,050]:

COVIDTHREAT How much of a threat, if any, is the coronavirus today for...<sup>4</sup> [RANDOMIZE ITEMS]

|    |                                   | A major<br><u>threat</u> | A minor<br><u>threat</u> | Not a<br><u>threat</u> | <u>No answer</u> |
|----|-----------------------------------|--------------------------|--------------------------|------------------------|------------------|
| a. | The health of the U.S. population |                          |                          |                        |                  |
|    | as a whole                        |                          |                          |                        |                  |
|    | Feb 7-11, 2024                    | 20                       | 55                       | 24                     | <1               |
|    | May 2-8, 2022                     | 41                       | 45                       | 13                     | 1                |
|    | Jan 10-17, 2022                   | 57                       | 35                       | 8                      | <1               |
|    | Aug 23-29, 2021                   | 61                       | 33                       | 6                      | <1               |
|    | Feb 16-21, 2021                   | 63                       | 31                       | 5                      | <1               |
|    | Nov 18-29, 2020                   | 65                       | 29                       | 5                      | <1               |
|    | Jul 13-19, 2020                   | 67                       | 28                       | 5                      | <1               |
|    | Apr 29-May 5, 2020                | 64                       | 31                       | 4                      | <1               |
|    | Mar 19-24, 2020                   | 66                       | 31                       | 2                      | <1               |
|    | Mar 10-16, 2020                   | 47                       | 45                       | 8                      | <1               |
| b. | Your personal health              |                          |                          |                        |                  |
|    | Feb 7-11, 2024                    | 16                       | 48                       | 36                     | <1               |
|    | May 2-8, 2022                     | 23                       | 50                       | 26                     | <1               |
|    | Jan 10-17, 2022                   | 30                       | 50                       | 20                     | <1               |
|    | Aug 23-29, 2021                   | 31                       | 50                       | 19                     | <1               |
|    | Feb 16-21, 2021                   | 31                       | 52                       | 17                     | <1               |
|    | Nov 18-29, 2020                   | 39                       | 46                       | 14                     | <1               |
|    | Jul 13-19, 2020                   | 40                       | 46                       | 13                     | <1               |
|    | Apr 29-May 5, 2020                | 38                       | 47                       | 14                     | <1               |
|    | Mar 19-24, 2020                   | 36                       | 52                       | 11                     | <1               |
|    | Mar 10-16, 2020                   | 27                       | 51                       | 22                     | <1               |

<sup>&</sup>lt;sup>4</sup> In all surveys prior to February 2024, the phrase "coronavirus outbreak" was used instead of "coronavirus today."

#### COVIDTHREAT CONTINUED...

|                                   | A major<br>threat  | A minor<br>threat  | Not a<br>threat  | No answer   |
|-----------------------------------|--|--|--|---|
| The U.S. economy                  |  |  |  |   |
| Feb 7-11, 2024                    | 23   | 48   | 28   | 1   |
| May 2-8, 2022                     | 58   | 34   | 8  | 1   |
| Jan 10-17, 2022                   | 69   | 25   | 5  | 1   |
| Aug 23-29, 2021                   | 72   | 24   | 3  | 1   |
| Feb 16-21, 2021                   | 81   | 16   | 3  | <1  |
| Nov 18-29, 2020                   | 84   | 13   | 3  | <1  |
| Jul 13-19, 2020                   | 86   | 12   | 2  | <1  |
| Apr 29-May 5, 2020                | 88   | 10   | 2  | <1  |
| Mar 19-24, 2020                   | 88   | 10   | 1  | <1  |
| Mar 10-16, 2020                   | 70   | 25   | 4  | 1   |
| Your personal financial situation |  |  |  |   |
| Feb 7-11, 2024                    | 14   | 36   | 49   | 1   |
| May 2-8, 2022                     | 25   | 44   | 30   | 1   |
| Jan 10-17, 2022                   | 32   | 44   | 23   | <1  |
| Aug 23-29, 2021                   | 29   | 46   | 25   | <1  |
| Feb 16-21, 2021                   | 30   | 46   | 24   | <1  |
| Nov 18-29, 2020                   | 38   | 42   | 20   | <1  |
| Jul 13-19, 2020                   | 38   | 43   | 19   | <1  |
| Apr 29-May 5, 2020                | 41   | 42   | 17   | <1  |
| Mar 19-24, 2020                   | 49   | 40   | 11   | <1  |
| Mar 10-16, 2020                   | 34   | 43   | 23   | <1  |
|                                   | The U.S. economy<br>Feb 7-11, 2024<br>May 2-8, 2022<br>Jan 10-17, 2022<br>Aug 23-29, 2021<br>Feb 16-21, 2021<br>Nov 18-29, 2020<br>Jul 13-19, 2020<br>Apr 29-May 5, 2020<br>Mar 10-16, 2020<br>Your personal financial situation<br>Feb 7-11, 2024<br>May 2-8, 2022<br>Jan 10-17, 2022<br>Aug 23-29, 2021<br>Feb 16-21, 2021<br>Nov 18-29, 2020<br>Jul 13-19, 2020<br>Apr 29-May 5, 2020<br>Mar 19-24, 2020<br>Mar 10-16, 2020 | A major<br>threatThe U.S. economyFeb 7-11, 2024May 2-8, 2022S8Jan 10-17, 2022G9Aug 23-29, 202172Feb 16-21, 202181Nov 18-29, 202084Jul 13-19, 202086Apr 29-May 5, 202088Mar 10-16, 2020Your personal financial situationFeb 7-11, 202414May 2-8, 202225Jan 10-17, 202232Aug 23-29, 202129Feb 16-21, 202130Nov 18-29, 202038Jul 13-19, 202038Jul 13-19, 202041Mar 19-24, 202049Mar 10-16, 202034 | A major<br>threatA minor<br>threatThe U.S. economy2348May 2-8, 20225834Jan 10-17, 20226925Aug 23-29, 20217224Feb 16-21, 20218116Nov 18-29, 20208413Jul 13-19, 20208612Apr 29-May 5, 20208810Mar 10-16, 20207025Your personal financial situation7025Your personal financial situation7070Feb 16-21, 20213046Nov 18-29, 20203842Jul 13-19, 20203843 <td>A major<br/>threatA minor<br/>threatNot a<br/>threatThe U.S. economyFeb 7-11, 2024234828May 2-8, 202258348Jan 10-17, 202269255Aug 23-29, 202172243Feb 16-21, 202181163Nov 18-29, 202084133Jul 13-19, 202086122Apr 29-May 5, 202088101Mar 10-16, 202070254Your personal financial situationFeb 7-11, 20241436Feb 7-11, 2024143649May 2-8, 2022254430Jan 10-17, 2022324423Aug 23-29, 2021294625Feb 16-21, 2021304624Nov 18-29, 2020384319Apr 29-May 5, 2020384319Apr 29-May 5, 2020494011Mar 10-16, 2020344323</td> | A major<br>threatA minor<br>threatNot a<br>threatThe U.S. economyFeb 7-11, 2024234828May 2-8, 202258348Jan 10-17, 202269255Aug 23-29, 202172243Feb 16-21, 202181163Nov 18-29, 202084133Jul 13-19, 202086122Apr 29-May 5, 202088101Mar 10-16, 202070254Your personal financial situationFeb 7-11, 20241436Feb 7-11, 2024143649May 2-8, 2022254430Jan 10-17, 2022324423Aug 23-29, 2021294625Feb 16-21, 2021304624Nov 18-29, 2020384319Apr 29-May 5, 2020384319Apr 29-May 5, 2020494011Mar 10-16, 2020344323 |

DISPLAY TO FORM 2: On a different topic...

#### ASK FORM 2 [N=5,083]:

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

|    |                              | Very             | Somewhat         | Not too          | Not at all       |                  |
|----|------------------------------|------------------|------------------|------------------|------------------|------------------|
|    |                              | <u>concerned</u> | <u>concerned</u> | <u>concerned</u> | <u>concerned</u> | <u>No answer</u> |
| a. | You might spread the         |                  |                  |                  |                  |                  |
|    | coronavirus to other         |                  |                  |                  |                  |                  |
|    | people without knowing       |                  |                  |                  |                  |                  |
|    | that you have it             |                  |                  |                  |                  |                  |
|    | Feb 7-11, 2024               | 12               | 28               | 33               | 26               | <1               |
|    | 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  |                  |                  |                  |                  |                  |
|    | Feb 7-11, 2024               | 10               | 17               | 39               | 33               | <1               |
|    | 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               |

#### COVID\_INFECT CONTINUED...

|                 | Very             | Somewhat         | Not too          | Not at all       |                  |
|-----------------|------------------|------------------|------------------|------------------|------------------|
|                 | <u>concerned</u> | <u>concerned</u> | <u>concerned</u> | <u>concerned</u> | <u>No answer</u> |
| 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               |

#### ASK FORM 1 [N=5,050]:

HRDLONGCOV How much have you heard or read about Long COVID, which is defined as having COVID-19 symptoms lasting longer than a month?

Feb 7-11,

<u>2024</u>

- 22 A lot
- 56 A little
- 22 Nothing at all
- <1 No answer

#### ASK FORM 1 AND IF HEARD A LOT OR A LITTLE [HRDLONGCOV=1,2] [N=4,187]:

LONGCOVID Thinking about all the priorities for medical researchers and health care providers, how important is it for them to understand and treat Long COVID? [RANDOMIZE RESPONSE OPTIONS 1-5 OR 5-1 IN SAME ORDER AS FACTWELL]

#### Feb 7-11,

- 2024
  - 25 Extremely important
  - 39 Very important
  - 28 Somewhat important
  - 5 Not too important
  - 2 Not at all important
  - <1 No answer

#### ASK ALL:

NEWCOVVAX Have you gotten the updated vaccine for COVID-19 that became available last September?

#### Feb 7-11,

<u>2024</u>

- 28 Yes, have gotten the updated COVID-19 vaccine
- 70 No, have not gotten the updated COVID-19 vaccine
- 1 No answer

#### TREND FOR COMPARISON

ASK ALL:

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

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

#### TREND FOR COMPARISON

ASK ALL: COVID BOOST<sup>5</sup>

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

|                 | Yes, have<br>received a<br><u>booster shot</u> | No, have not<br>received a<br><u>booster shot</u> | Does not<br><u>apply to me</u> | Invalid<br><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                |

<sup>&</sup>lt;sup>5</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.

#### TREND FOR COMPARISON COVID\_VAXDMOD AND COVID\_BOOST COMBO TABLE

|                 |   |              |              | Yes, have had  |                |                |
|-----------------|---|--------------|--------------|----------------|----------------|----------------|
|                 |   |              |              | one shot but   | No, have not   | No answer to   |
|                 | Yes, have had all the shots needed<br><u>to be fully vaccinated</u><br>No, have |              |              | still need one | received a     | COVID_         |
|                 |   |              |              | <u>more</u>    | <u>vaccine</u> | <u>VAXDmod</u> |
|                 |   |              |              |                |                |                |
|                 |   | not          |              |                |                |                |
|                 |   | received a   |              |                |                |                |
|                 |   | booster      |              |                |                |                |
|                 | Yes, have   | shot         |              |                |                |                |
|                 | received a  | within last  | No           |                |                |                |
|                 | booster   | six          | answer       |                |                |                |
|                 | shot within   | months/      | to           |                |                |                |
|                 | last six  | Does not     | COVID_       |                |                |                |
|                 | <u>months</u>   | <u>apply</u> | <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              |
|                 |   |              |              |                |                |                |

#### **OTHER QUESTIONS HELD FOR FUTURE RELEASE**

#### ASK FORM 2 [N=5,083]:

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

|                              | Yes, have gotten a flu<br>shot since August | No, have not gotten a flu shot since August | No answer |
|------------------------------|---|---|-----------|
| Feb 7-11, 2024               | 44  | 55  | 1         |
| Mar 13-19, 2023              | 49  | 51  | 1         |
| Nov 18-29, 2020 <sup>6</sup> | 44  | 55  | <1        |

#### ASK FORM 2 [N=5,083]:

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

|                 |                   | Every few    | Rarely or |                  |
|-----------------|-------------------|--------------|-----------|------------------|
|                 | <u>Every year</u> | <u>years</u> | never     | <u>No answer</u> |
| Feb 7-11, 2024  | 46                | 13           | 40        | 1                |
| Mar 13-19, 2023 | 48                | 13           | 38        | 1                |
| Nov 18-29, 2020 | 47                | 12           | 41        | 1                |

#### **OTHER QUESTION PREVIOUSLY RELEASED**

<sup>6</sup> In the November 2020 survey, the question wording was, "Since August of this year, have you gotten a flu shot?"