

From Awareness to Regulation, What Americans Think about AI

Monica R. Anderson

Managing Director, Pew Research Center

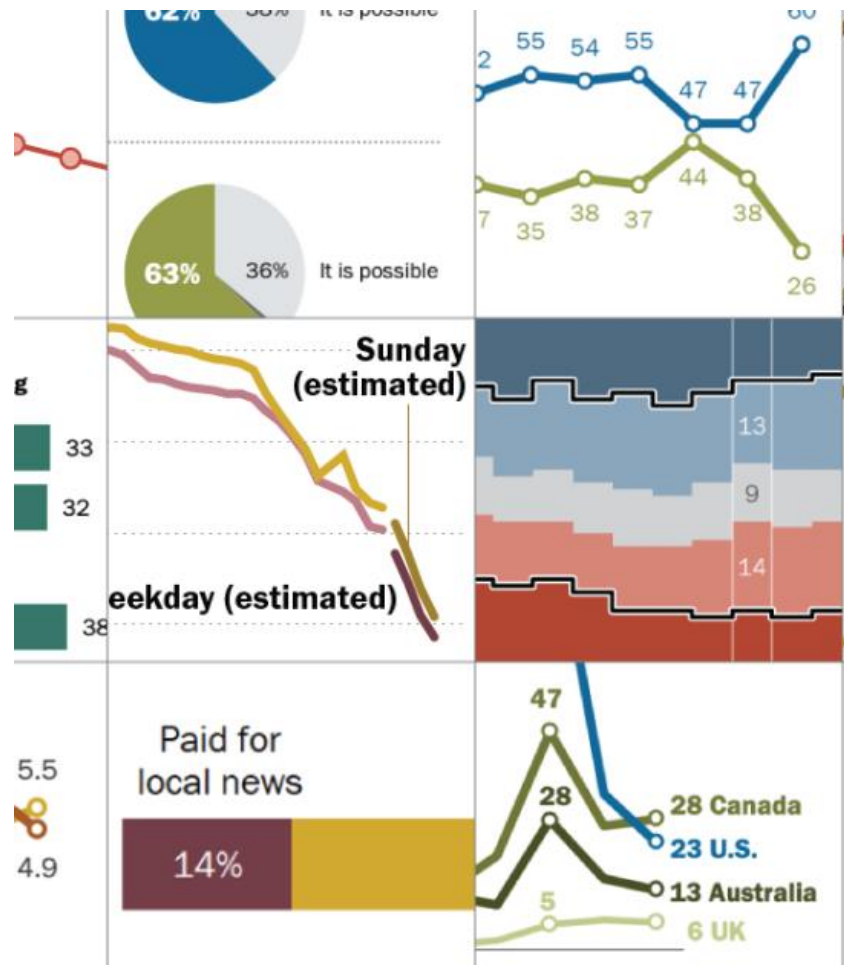
What is Pew Research Center?

Pew Research Center is a nonpartisan, non-advocacy fact tank that informs the public about the issues, attitudes and trends shaping America and the world. It does not take policy positions.

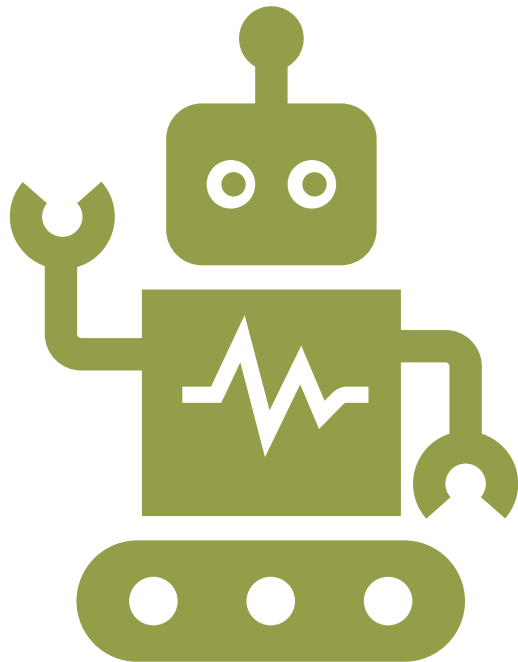
All of the Center's reports are available at www.pewresearch.org. Pew Research Center is a subsidiary of The Pew Charitable Trusts, its primary funder.

Follow us on X at: @pewresearch

Follow me on X at: @MonicaRAnders



AI as the next Big Tech revolution: Big themes in survey research



Awareness + understanding

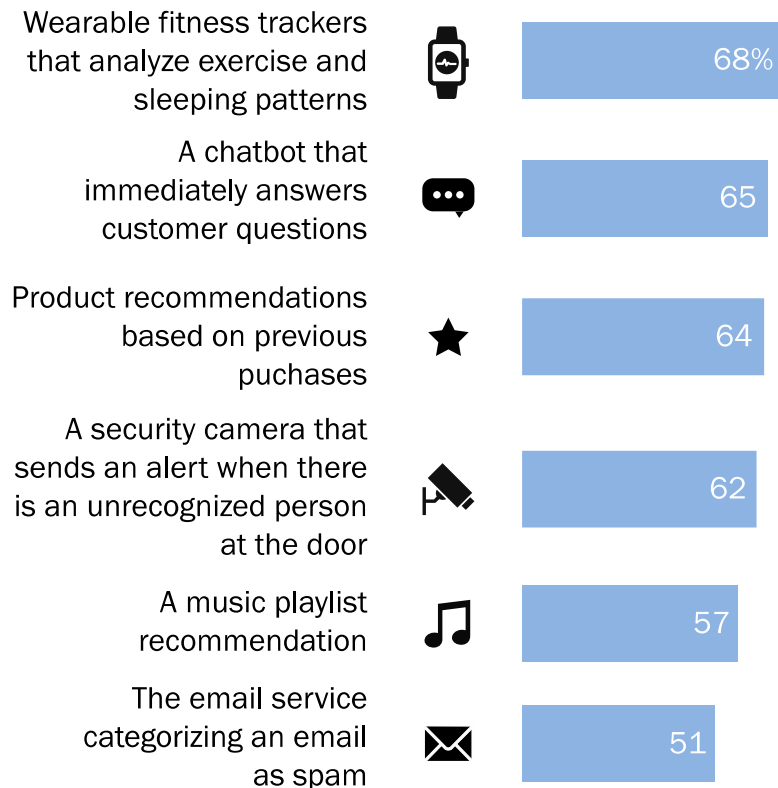
Promise + peril

AI + work

Data privacy + regulation

Americans' awareness of common uses of AI differs by application...

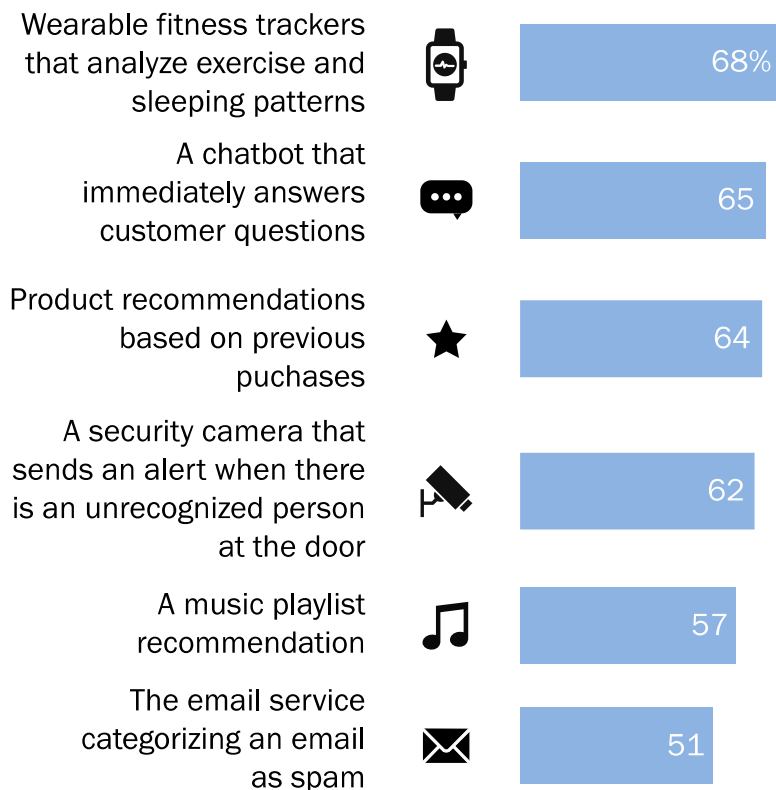
% of U.S. adults who identify that the following use artificial intelligence in multiple choice questions



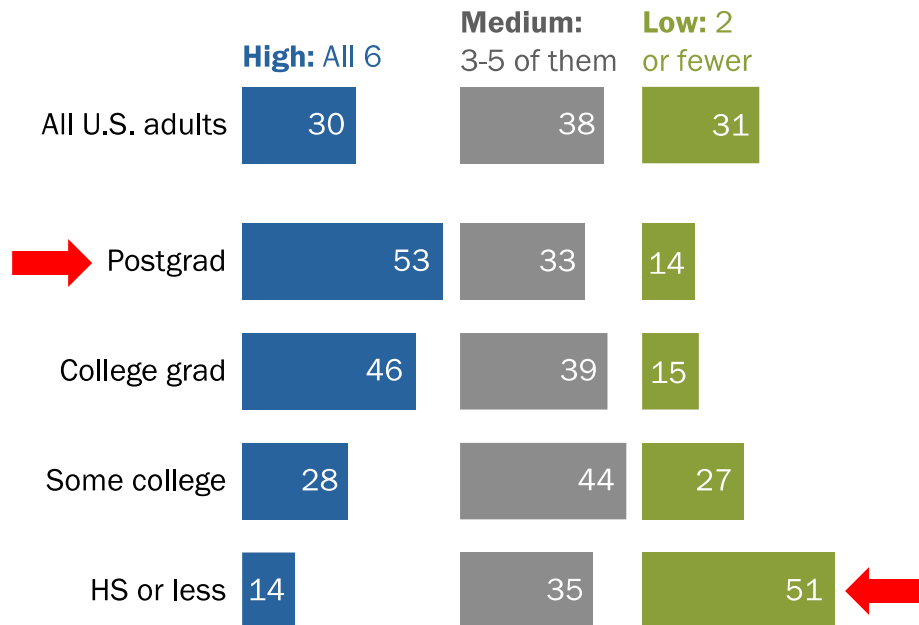
Source: Survey conducted Dec. 12-18, 2022.

...but awareness varies by educational attainment

% of U.S. adults who identify that the following use artificial intelligence in multiple choice questions



% of U.S. adults who correctly identify _____ as using AI



Source: Survey conducted Dec. 12-18, 2022.

In February, Americans' familiarity with ChatGPT continued to vary considerably by educational attainment

% of U.S. adults who say they have heard or read ___ about ChatGPT

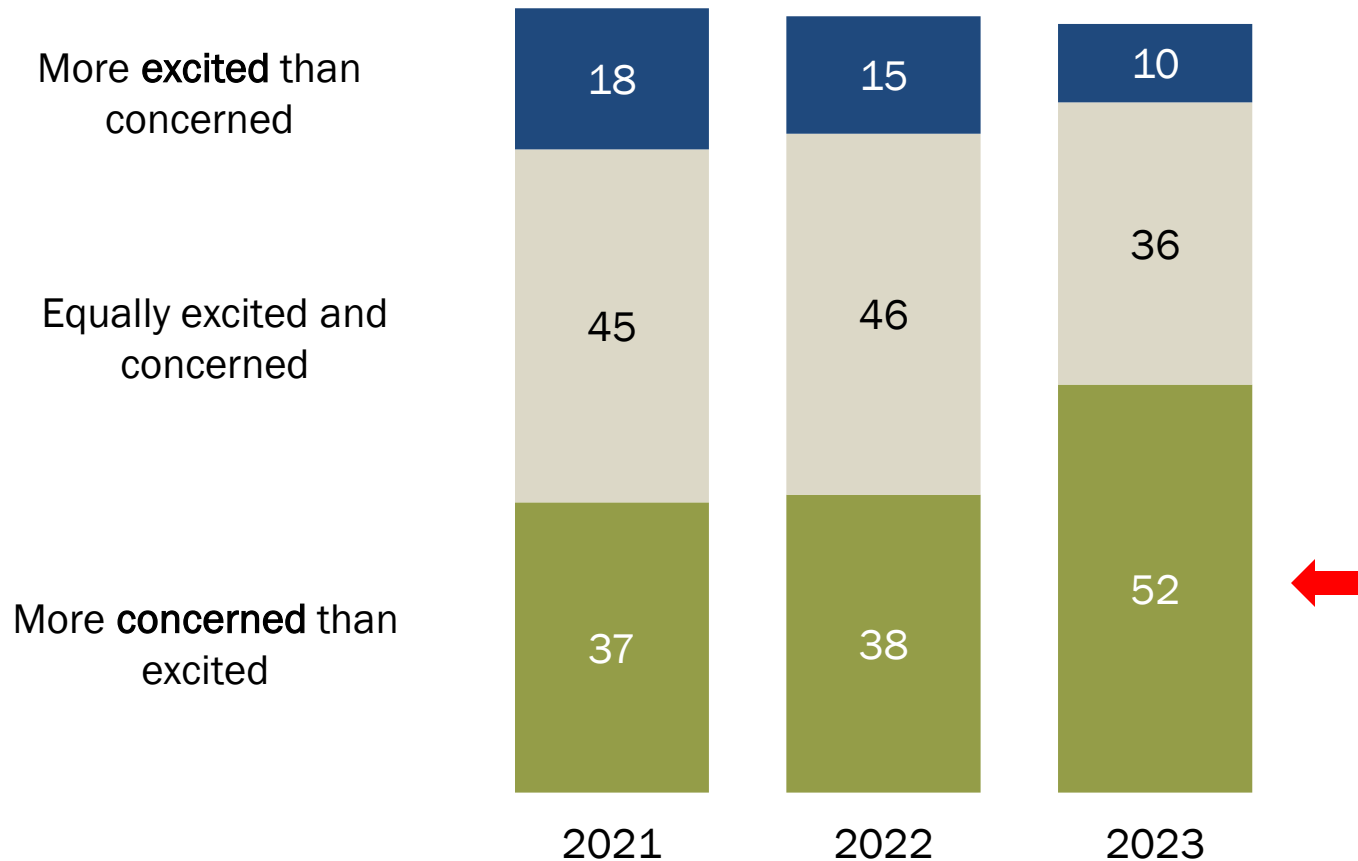
	A lot	A little	Nothing at all
U.S. adults	22	44	34
HS or less	10	36	53
Some college	21	46	33
College grad	30	51	19
Postgrad	36	50	13

Source: Survey conducted Feb. 7-11, 2024.

PROMISE + PERIL

Americans have grown more concerned about the role AI is playing in daily life

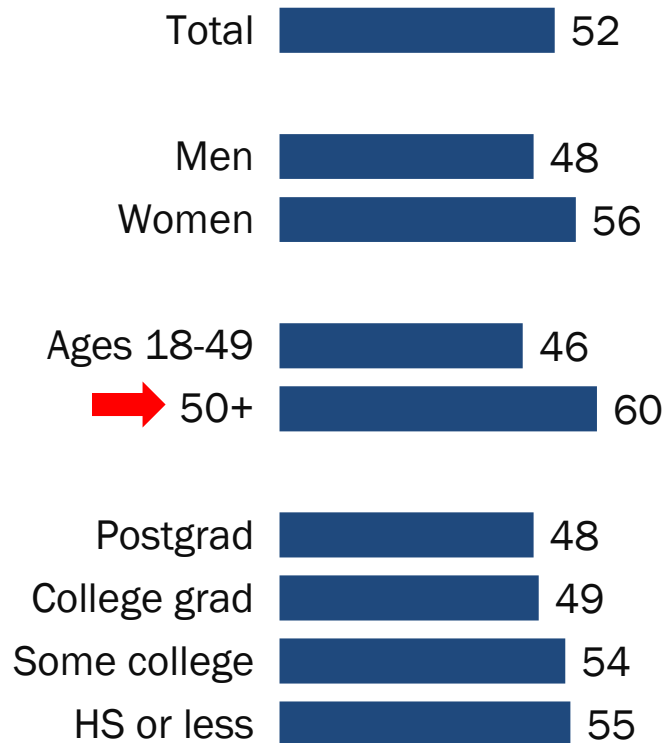
% of U.S. adults who say the increased use of artificial intelligence in daily life makes them feel...



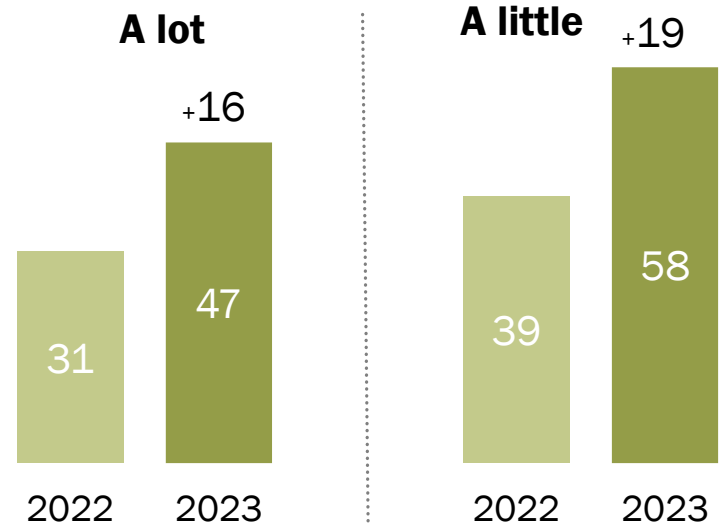
Source: Survey of U.S. adults conducted July 31-Aug.6, 2023.

Concern about AI outweighs excitement across all major demographic groups, but there are differences by age, gender

% of U.S. adults who say the increased used of AI in daily life makes them feel more concerned than excited



*Among those who say they have heard or read
__ about artificial intelligence*



Source: Survey of U.S. adults conducted July 31-Aug.6, 2023.

What excites Americans about AI

In their own words:

The older I get, the more I find that I rely on Siri to know how to spell, YouTube and the internet for good recipes, and GPS to find my way around the countryside

Woman, 70s

Among those who say they are more excited than concerned, % who mention the following as a main reason

- 31** Makes life, society better
- 13** Saves time, more efficient
- 10** Inevitable progress, is the future
- 7** Handles mundane, tedious tasks
- 6** Helps with work/labor
- 6** AI is interesting, exciting
- 6** Helps humans with difficult/dangerous tasks
- 4** More accurate than humans
- 4** Helps those who are elderly/have a disability
- 2** Personal anecdotes
- 2** Other people's fears based on sci-fi, not reality
- 7** Other

Source: Survey of U.S. adults conducted Nov. 1-7, 2021.

What excites Americans about AI

In their own words:

AI will improve the speed and accuracy of scientific progress. AI has the capability of freeing humanity from the yoke of labor by increasing productivity without the requirement of human time.

Man, 30s

Among those who say they are more excited than concerned, % who mention the following as a main reason

- 31** Makes life, society better
- 13** Saves time, more efficient
- 10** Inevitable progress, is the future
- 7** Handles mundane, tedious tasks
- 6** Helps with work/labor
- 6** AI is interesting, exciting
- 6** Helps humans with difficult/dangerous tasks
- 4** More accurate than humans
- 4** Helps those who are elderly/have a disability
- 2** Personal anecdotes
- 2** Other people's fears based on sci-fi, not reality
- 7** Other

Source: Survey of U.S. adults conducted Nov. 1-7, 2021.

What excites Americans about AI

In their own words:

AI can help slingshot us into the future. It gives us the ability to focus on more complex issues and the computing power of AI to solve world issues faster.

Man, 30s

Among those who say they are more excited than concerned, % who mention the following as a main reason

- 31** Makes life, society better
- 13** Saves time, more efficient
- 10** Inevitable progress, is the future
- 7** Handles mundane, tedious tasks
- 6** Helps with work/labor
- 6** AI is interesting, exciting
- 6** Helps humans with difficult/dangerous tasks
- 4** More accurate than humans
- 4** Helps those who are elderly/have a disability
- 2** Personal anecdotes
- 2** Other people's fears based on sci-fi, not reality
- 7** Other

Source: Survey of U.S. adults conducted Nov. 1-7, 2021.

...And what concerns them

Among those who say they are more concerned than excited, % who mention the following as a main reason

- 19** Loss of human jobs
- 16** Surveillance, hacking, digital privacy
- 12** Lack of human connection, qualities
- 8** AI will get too powerful, outsmarting people
- 8** People misusing AI
- 7** People becoming too reliant on AI/tech
- 6** AI fails, makes mistakes
- 3** Concerns about govt./tech companies using AI
- 3** Don't trust AI or people wielding it
- 2** Unforeseen consequences/effects
- 2** Loss of freedom
- 2** Human bias coded into AI
- 2** Lack of oversight and regulation
- 7** Other

In their own words:

Not only is it removing jobs for skilled persons, but it is incapable of performing the function with a conscience.

Man, 40s

Source: Survey of U.S. adults conducted Nov. 1-7, 2021.

...And what concerns them

Among those who say they are more concerned than excited, % who mention the following as a main reason

- 19** Loss of human jobs
- 16** Surveillance, hacking, digital privacy
- 12** Lack of human connection, qualities
- 8** AI will get too powerful, outsmarting people
- 8** People misusing AI
- 7** People becoming too reliant on AI/tech
- 6** AI fails, makes mistakes
- 3** Concerns about govt./tech companies using AI
- 3** Don't trust AI or people wielding it
- 2** Unforeseen consequences/effects
- 2** Loss of freedom
- 2** Human bias coded into AI
- 2** Lack of oversight and regulation
- 7** Other

In their own words:

I don't like the fact that AI would monitor aspects of one's daily life. This could lead to governments, companies, and hackers using AI as a tool to control our lives.

Man, 60s

Source: Survey of U.S. adults conducted Nov. 1-7, 2021.

...And what concerns them

Among those who say they are more concerned than excited, % who mention the following as a main reason

- 19** Loss of human jobs
- 16** Surveillance, hacking, digital privacy
- 12** Lack of human connection, qualities
- 8** AI will get too powerful, outsmarting people
- 8** People misusing AI
- 7** People becoming too reliant on AI/tech
- 6** AI fails, makes mistakes
- 3** Concerns about govt./tech companies using AI
- 3** Don't trust AI or people wielding it
- 2** Unforeseen consequences/effects
- 2** Loss of freedom
- 2** Human bias coded into AI
- 2** Lack of oversight and regulation
- 7** Other

In their own words:

There is value in interacting with another human that cannot be replicated with technology. We lose a part of our connection to other humans as we design computers that can do that job.

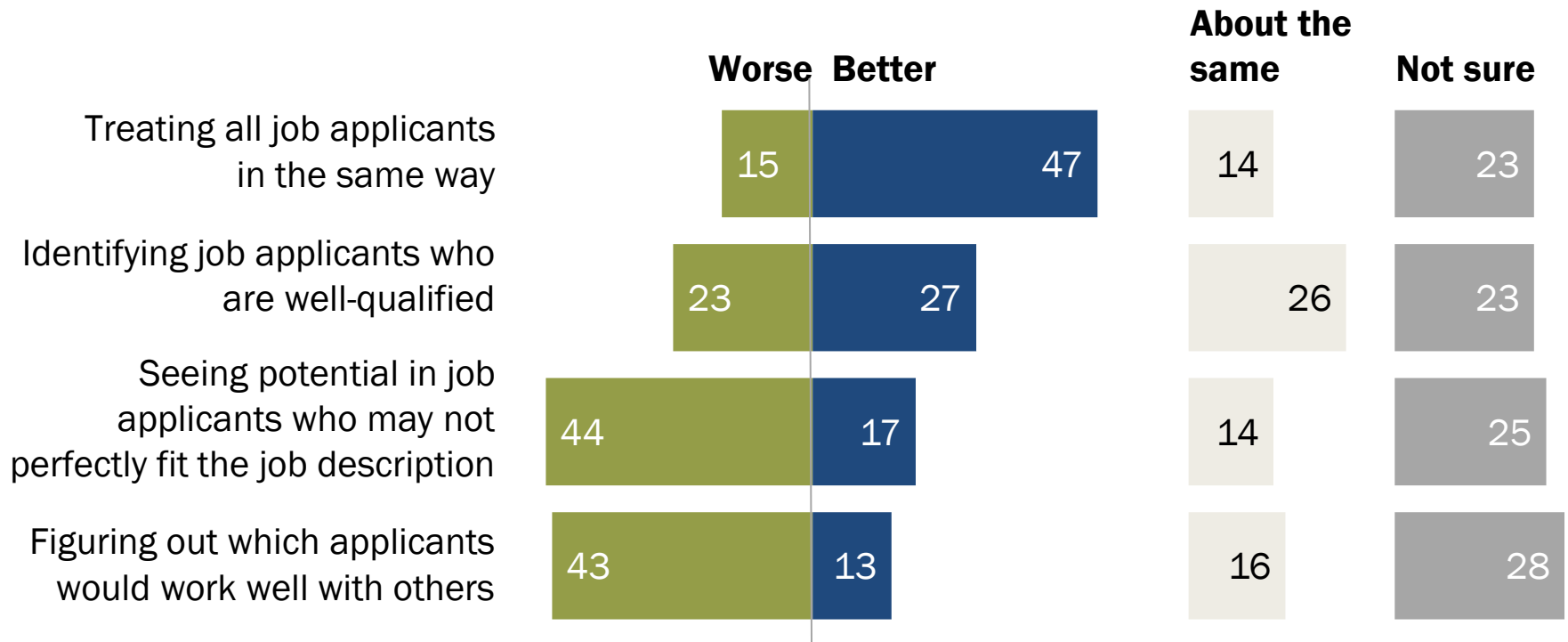
Woman, 30s

Source: Survey of U.S. adults conducted Nov. 1-7, 2021.

AI + WORK

Americans think AI would best humans at treating all job applicants equitably, but would miss seeing someone's potential

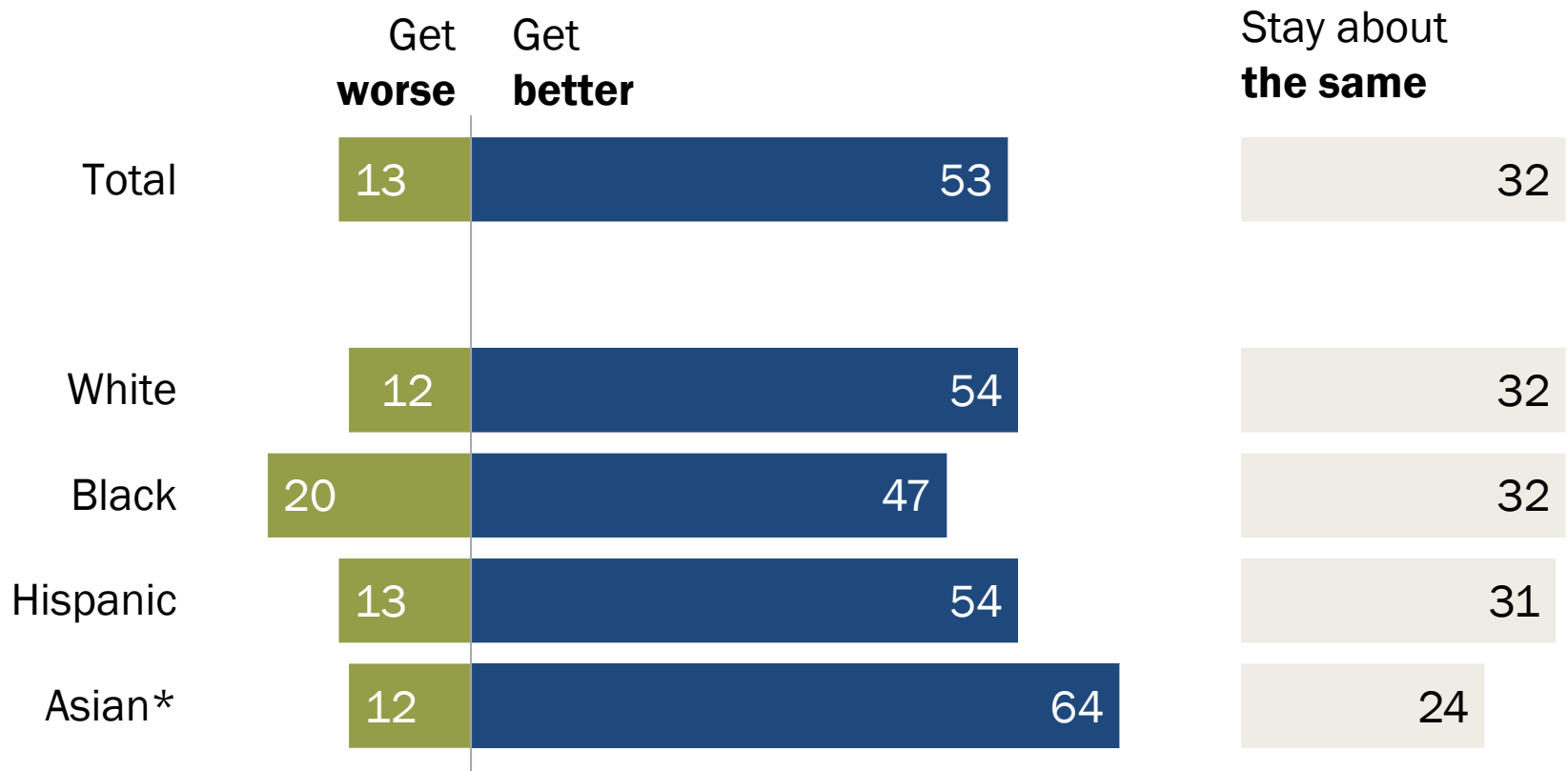
% of U.S. adults who say artificial intelligence would do ___ than/as humans at each of the following



Source: Survey of U.S. adults conducted Dec. 12-18, 2022.

Americans who see a problem with racial bias in hiring more likely to believe AI would make the issue better, than make it worse

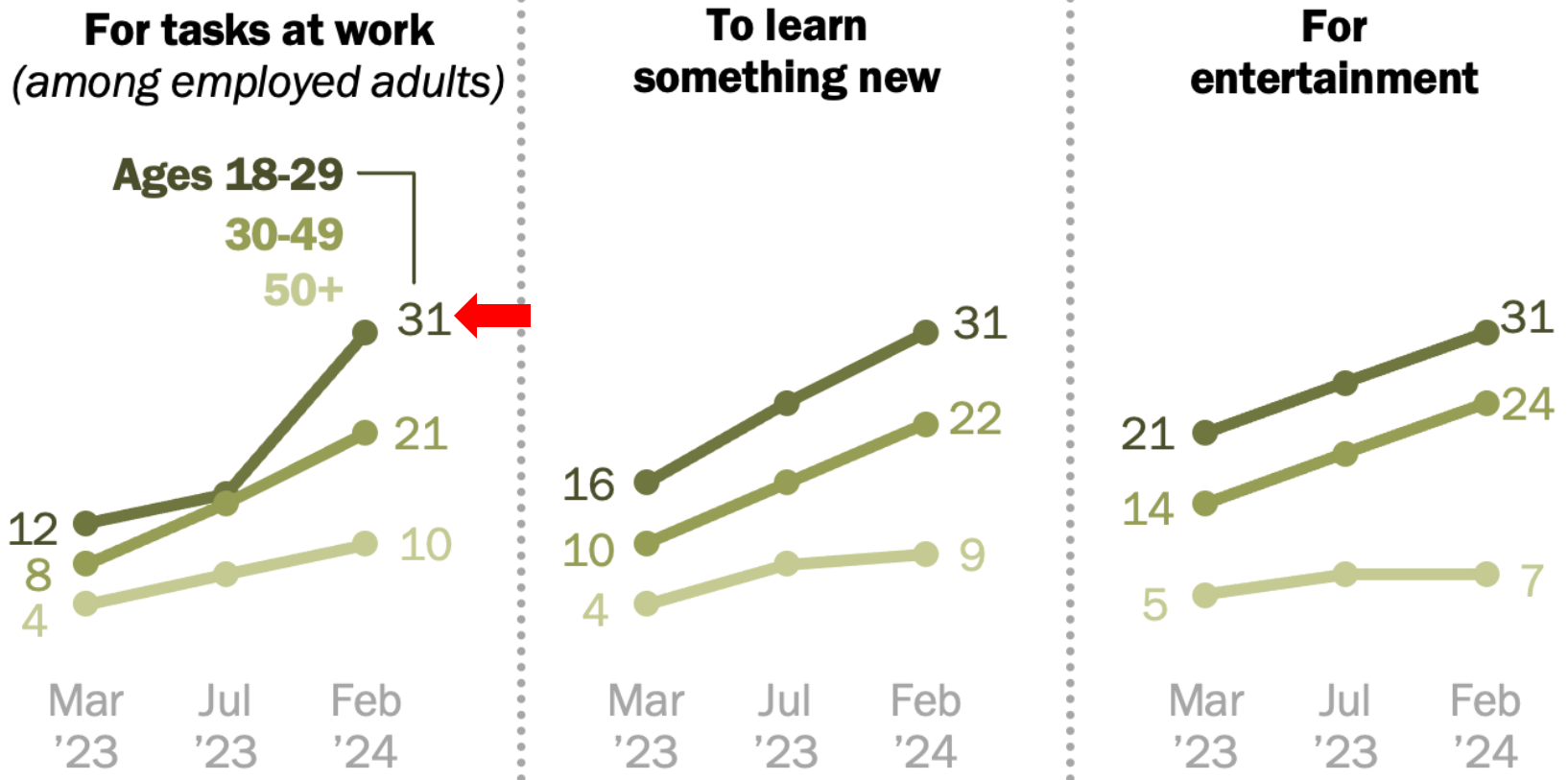
% Among the 79% of U.S. adults who say bias and unfair treatment based on job applicants' race or ethnicity is a major or minor problem in hiring generally, % who say that if artificial intelligence is used more by employers in the hiring process, the issue would ...



Source: Survey of U.S. adults conducted Dec. 12-18, 2022.

More young employees are using ChatGPT for work

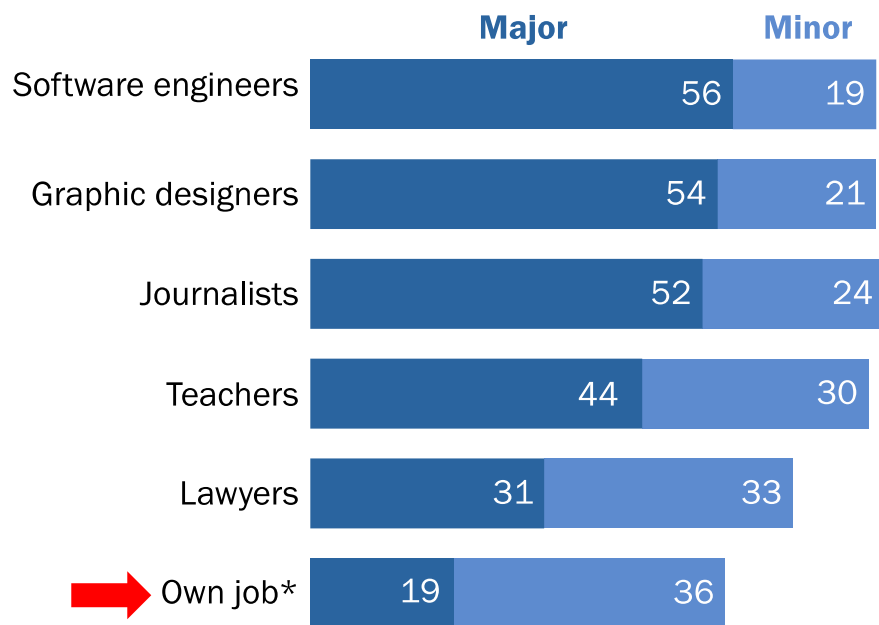
% of U.S. adults who say they have ever used ChatGPT ...



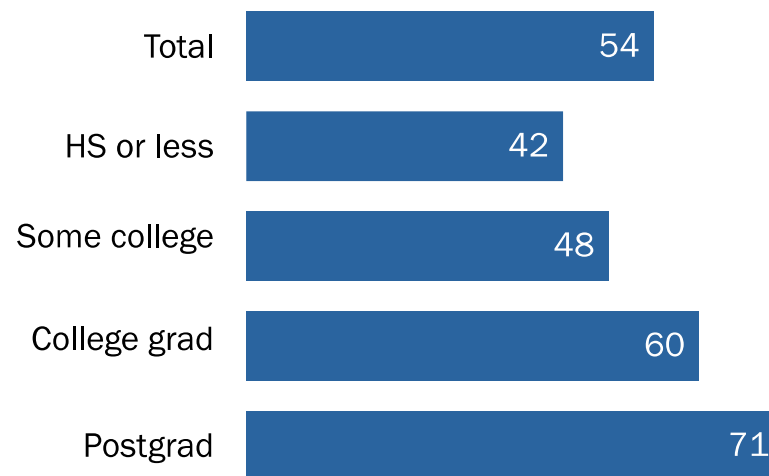
Source: Survey conducted Feb. 7-11, 2024.

American workers are less likely to think chatbots will have an impact on their jobs, but this varies by education

% who say chatbots will have a ___ impact on the following jobs over the next 20 years



% of employed adults who say chatbots will have a major or minor impact on their own job over the next 20 years

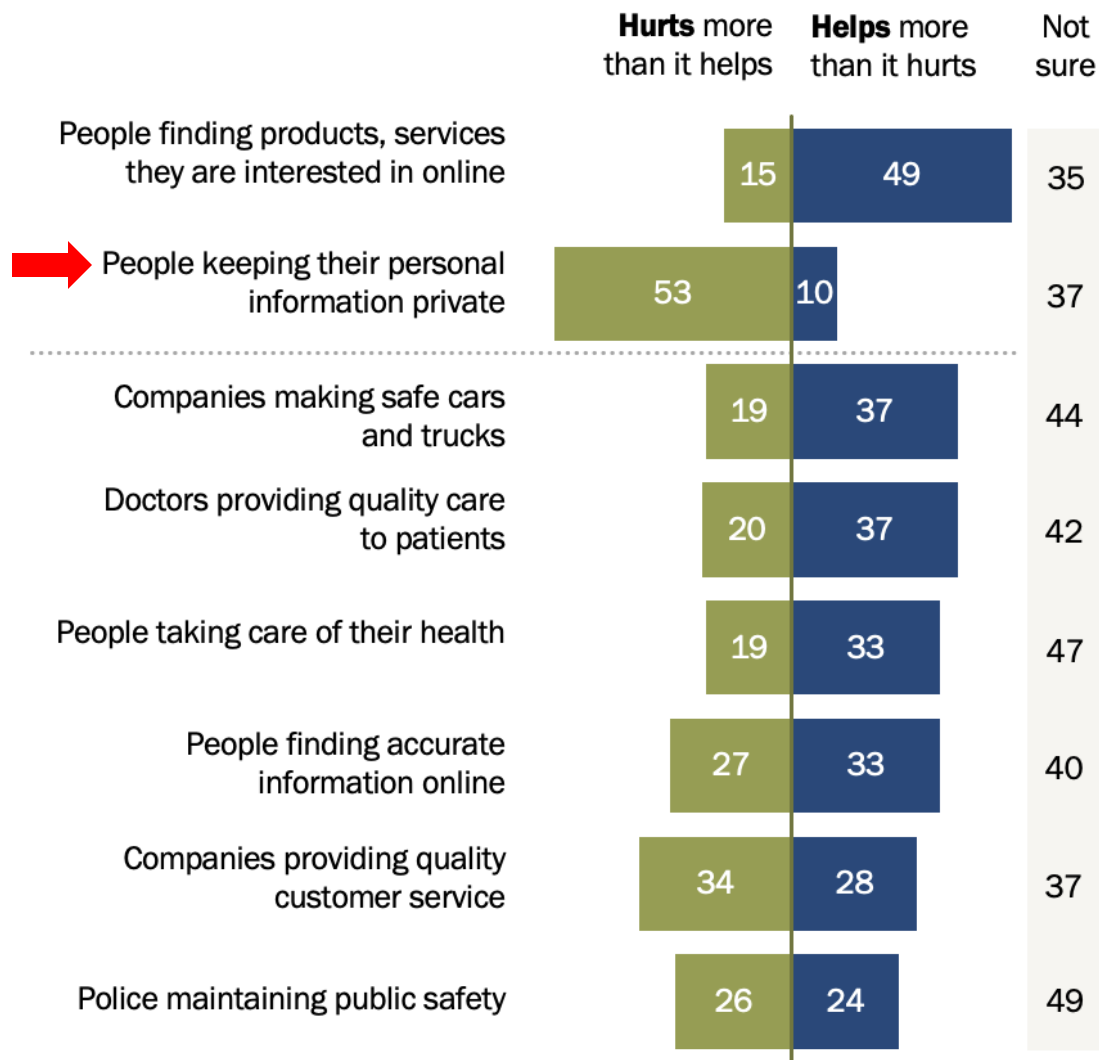


Source: Survey of U.S. adults conducted July 17-23, 2023. *Based on those employed.

DATA PRIVACY & REGULATION

Americans have a negative view of AI's impact on privacy, more positive toward impact in other areas

% of U.S. adults who say for each of the following, artificial intelligence ...



Source: Survey conducted July 31-Aug. 6, 2023

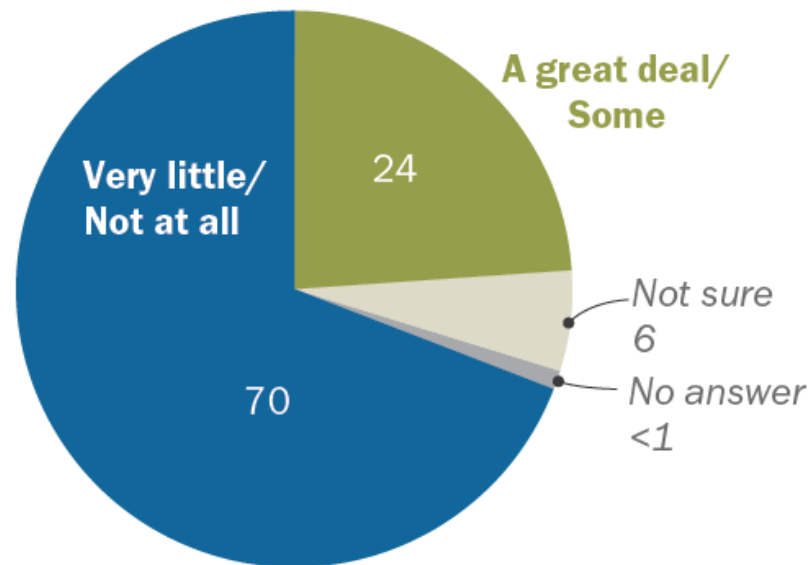
The public widely believes the use of AI to collect personal data will lead to unintended consequences

*Among those who have heard of AI, % who say that as companies use AI to collect and analyze personal information, this information **will** be used in ways that ...*



Many Americans have little to no trust in companies to use AI responsibly

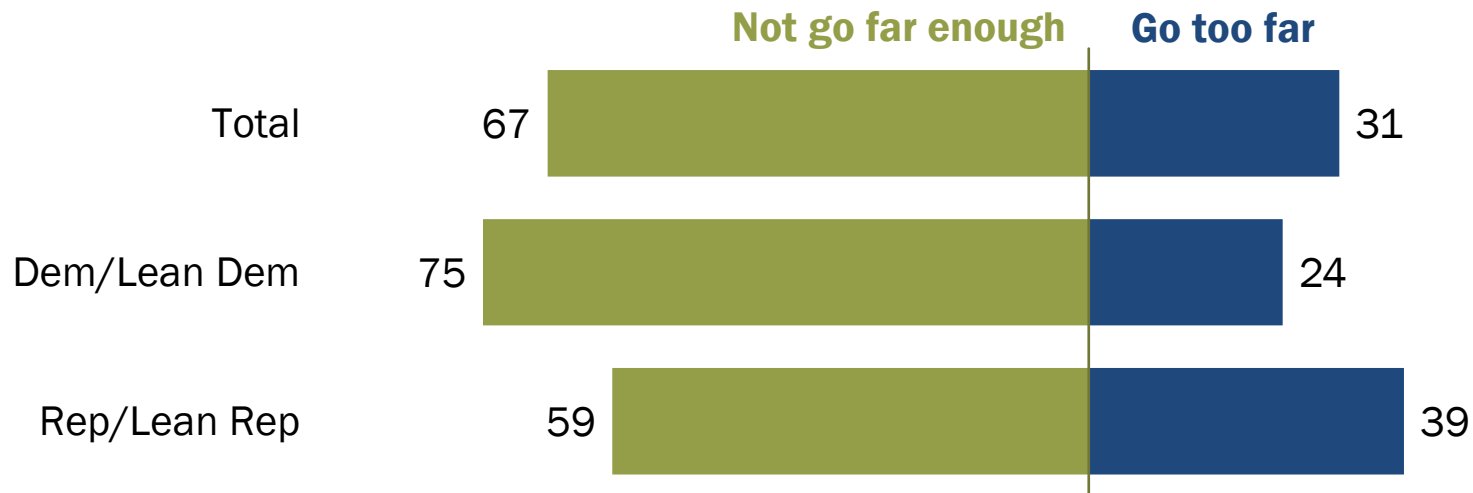
Among those who have heard of artificial intelligence, % who say they trust companies to use AI responsibly ...



Source: Survey of U.S. adults conducted May 15-21, 2023

Across political parties, people are more concerned about the government not going far enough in regulating chatbots

Among U.S. adults who have heard of ChatGPT, % who say, as chatbots grow more widespread, their greater concern is that government will ___ regulating their use



Source: Survey of U.S. adults conducted July 17-23, 2023

Thank you! Questions & comments?

Monica R. Anderson

Managing Director, Pew Research Center

Find our work:

www.pewresearch.org

@pewresearch

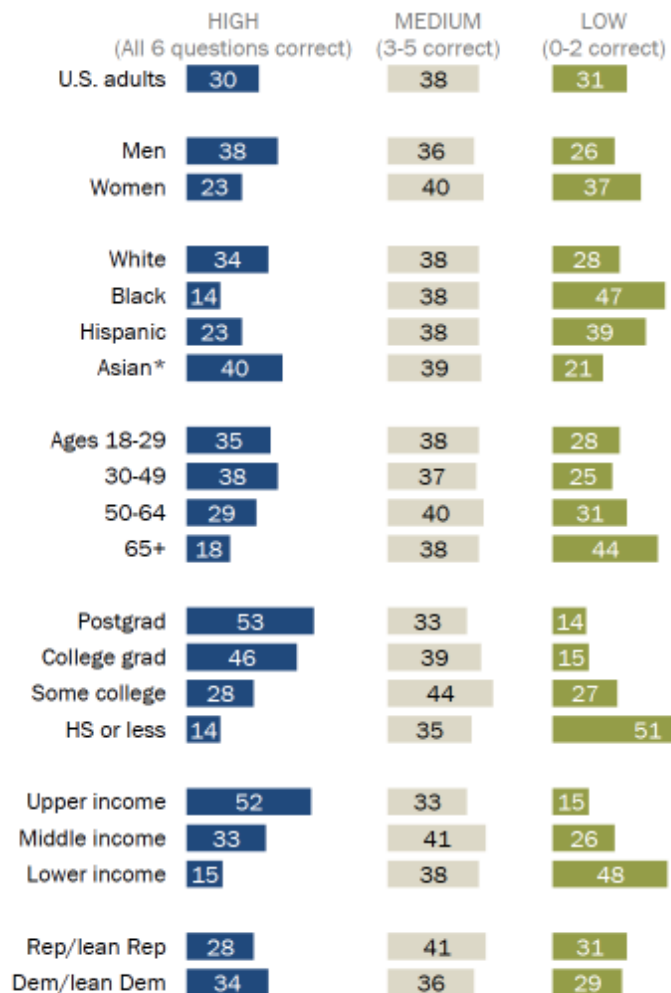
Subscribe to our newsletters at

www.pewresearch.org/follow-us/

Additional slides

U.S. adults with higher levels of education and income demonstrate greater awareness of AI in daily life

% of U.S. adults who have a ___ level of awareness about artificial intelligence applications in daily life



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

Note: All questions are multiple choice; for full question wording, see topline. White, Black and Asian adults include those who report being only one race and are not Hispanic.

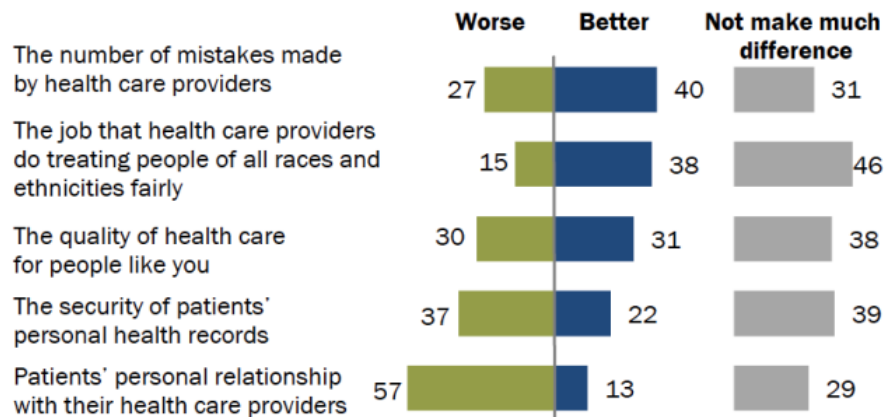
Hispanics are of any race. Family income tiers are based on adjusted 2021 earnings.

Source: Survey conducted Dec. 12-18, 2022.

"Public Awareness of Artificial Intelligence in Everyday Activities"

Americans tilt positive on AI's ability to reduce medical errors; greater concern around data security, patient-provider relationships

% of U.S. adults who say the use of artificial intelligence in health and medicine to do things like diagnose diseases and recommend treatments would make each of the following ...



Note: Respondents who did not give an answer are not shown.

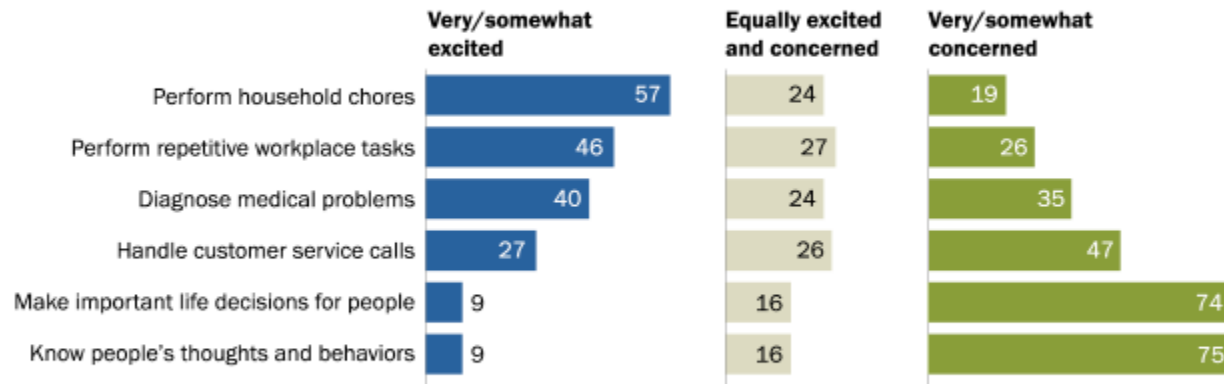
Source: Survey conducted Dec. 12-18, 2022.

"60% of Americans Would Be Uncomfortable With Provider Relying on AI in Their Own Health Care"

PEW RESEARCH CENTER

Americans are concerned about AI systems that could know people's thoughts and make important life decisions for them

% of U.S. adults who say they would be ___ if artificial intelligence computer programs could do each of the following



Note: Respondents who did not give an answer are not shown.

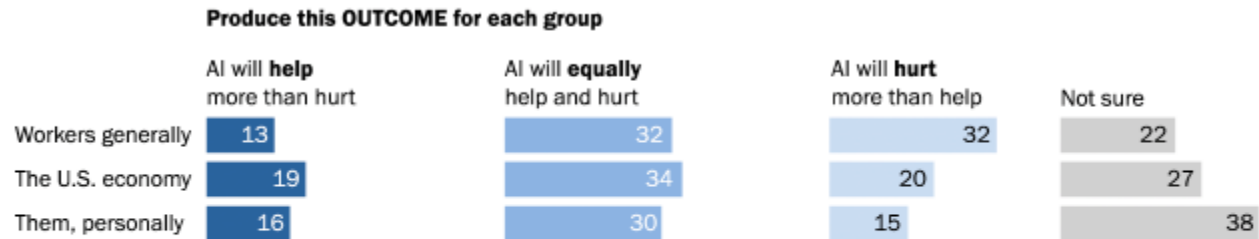
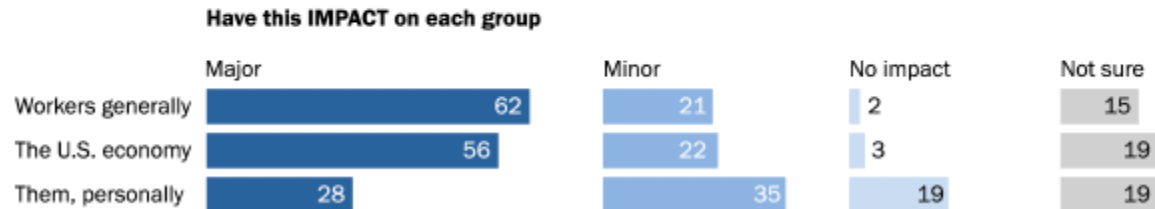
Source: Survey conducted Nov. 1-7, 2021.

"AI and Human Enhancement: Americans' Openness Is Tempered by a Range of Concerns"

PEW RESEARCH CENTER

About six-in-ten Americans believe AI will have a major impact on workers generally, but only 28% believe it will have a major effect on them personally

% of U.S. adults who say that over the next 20 years the use of artificial intelligence in the workplace will ...

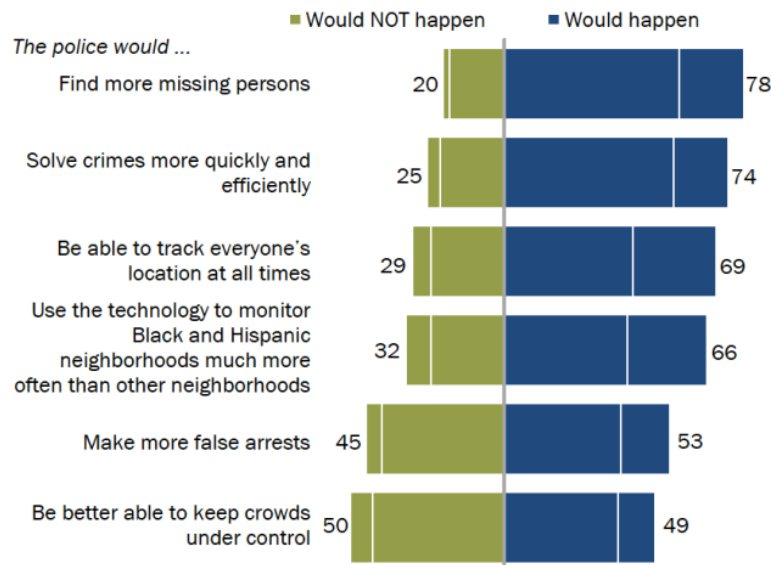


Note: Those who did not give an answer are not shown.
 Source: Survey of U.S. adults conducted Dec. 12-18, 2022.
 "AI in Hiring and Evaluating Workers: What Americans Think"

PEW RESEARCH CENTER

Majorities believe facial recognition would help find missing persons, solve crimes but also think it would be used to surveil Black, Hispanic neighborhoods

% of U.S. adults who say that if the use of facial recognition technology by police becomes widespread, each of the following definitely or probably ...



Note: Respondents who did not give an answer are not shown.

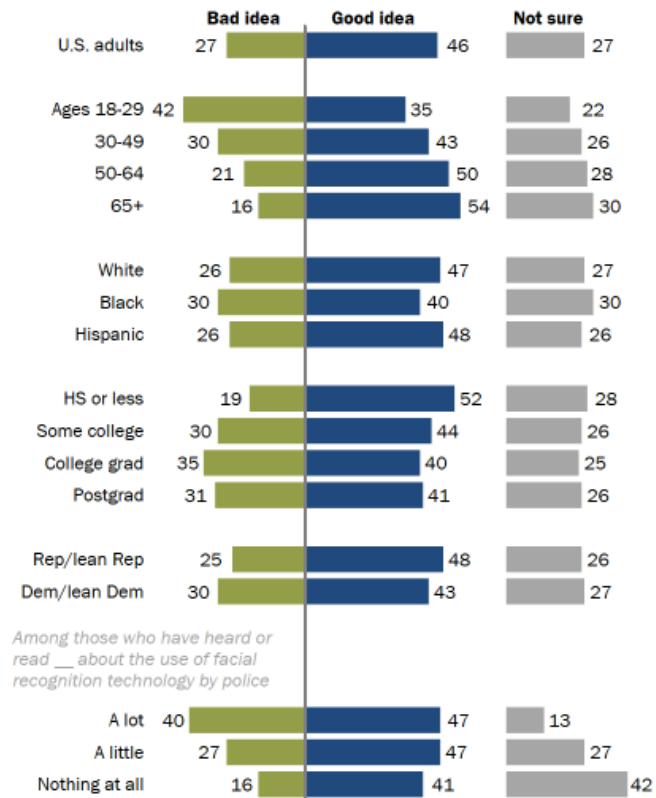
Source: Survey conducted Nov. 1-7, 2021.

"AI and Human Enhancement: Americans' Openness Is Tempered by a Range of Concerns"

PEW RESEARCH CENTER

Widespread use of facial recognition technology by police seen more negatively by younger adults, those who have heard a lot about the topic

% of U.S. adults who say the widespread use of facial recognition technology by police would be a ___ for society



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

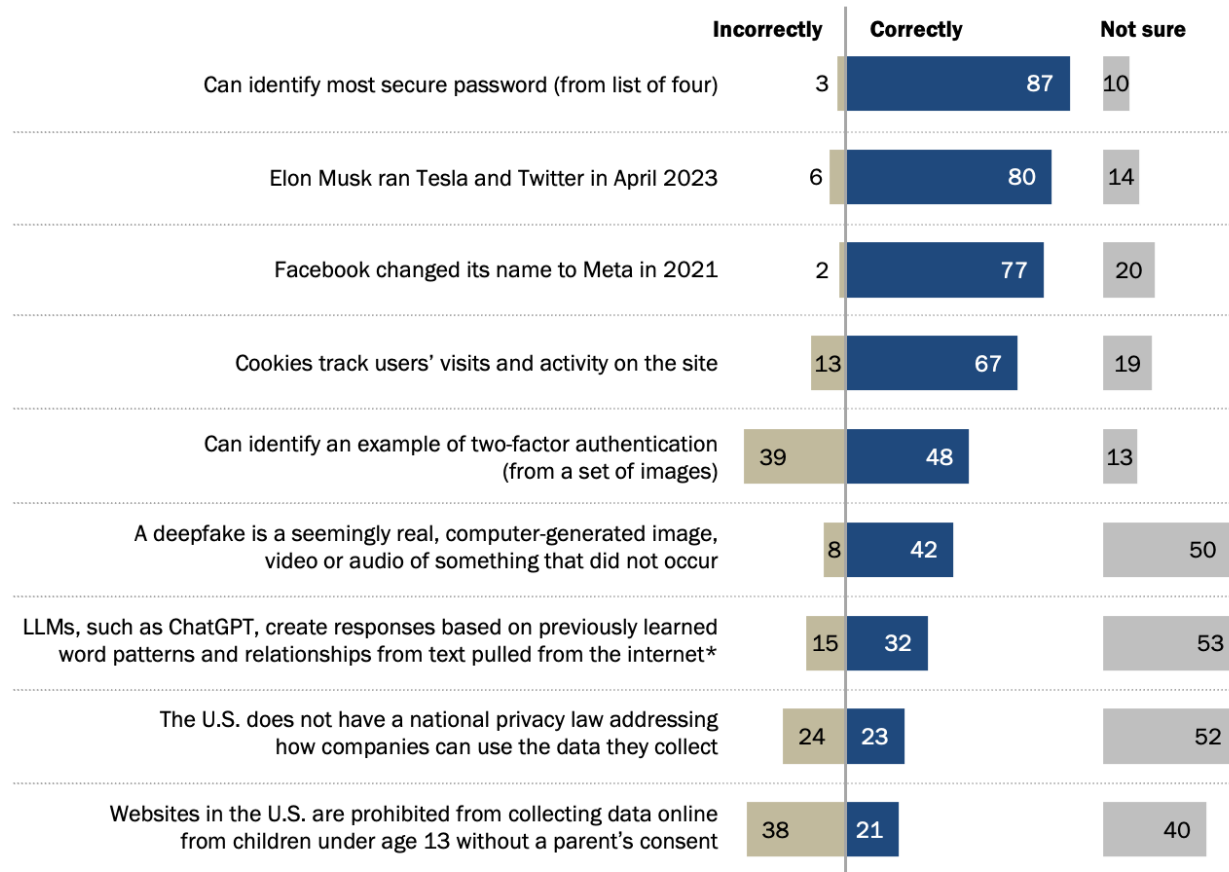
Source: Survey conducted Nov. 1-7, 2021.

"AI and Human Enhancement: Americans' Openness Is Tempered by a Range of Concerns"

PEW RESEARCH CENTER

Americans' digital knowledge varies widely by topic

% of U.S. adults answering each question ...



* "LLMs" refers to large language models.

Note: All questions are multiple choice; for full question wording, refer to the Topline. Those who did not give an answer are not shown.

Source: Survey of U.S. adults conducted May 15-21, 2023.

"What Americans Know About AI, Cybersecurity and Big Tech"

PEW RESEARCH CENTER