

**2021 PEW RESEARCH CENTER'S AMERICAN TRENDS PANEL
WAVE 100 DECEMBER SURVEY
NOVEMBER 30 – DECEMBER 12, 2021¹**

ASK ALL:

FUTGEN Do you think life for future generations of Americans will be...

- 1 Better than life today
- 2 Worse than life today
- 3 About the same as life today

Do you think life for future generations of Americans will be...

☐ Better than life today

☐ Worse than life today

☐ About the same as life today

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ASK ALL:

CONF How much confidence, if any, do you have in each of the following to act in the best interests of the public? **[RANDOMIZE ITEMS]**

- a. Elected officials
- b. Journalists
- c. The military
- d. Religious leaders
- e. Business leaders
- f. **[XFORM=1,3]** Medical scientists
- g. **[XFORM=2,4]** Scientists
- NO ITEM h.**
- i. Public school principals for grades K-12
- j. Police officers

RESPONSE OPTIONS:

- 1 A great deal of confidence
- 2 A fair amount of confidence
- 3 Not too much confidence
- 4 No confidence at all

¹ Open-end responses are excluded from public datasets to protect the confidentiality of ATP panelists

How much confidence, if any, do you have in each of the following to act in the best interests of the public?

Public school principals for grades K-12

- ☐ A great deal of confidence
- ☐ A fair amount of confidence
- ☐ Not too much confidence
- ☐ No confidence at all

Elected officials

- ☐ A great deal of confidence
- ☐ A fair amount of confidence
- ☐ Not too much confidence
- ☐ No confidence at all

Medical scientists

- ☐ A great deal of confidence
- ☐ A fair amount of confidence
- ☐ Not too much confidence
- ☐ No confidence at all

Religious leaders

- ☐ A great deal of confidence
- ☒ A fair amount of confidence
- ☐ Not too much confidence
- ☐ No confidence at all

Business leaders

- ☐ A great deal of confidence
- ☐ A fair amount of confidence
- ☐ Not too much confidence
- ☐ No confidence at all

Police officers

- ☐ A great deal of confidence
- ☐ A fair amount of confidence
- ☐ Not too much confidence
- ☐ No confidence at all

Journalists

- ☐ A great deal of confidence
- ☐ A fair amount of confidence
- ☐ Not too much confidence
- ☐ No confidence at all

The military

- ☐ A great deal of confidence
- ☐ A fair amount of confidence
- ☐ Not too much confidence
- ☐ No confidence at all

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How much confidence, if any, do you have in each of the following to act in the best interests of the public?

Journalists

- ☐ A great deal of confidence
- ☐ A fair amount of confidence
- ☐ Not too much confidence
- ☐ No confidence at all

Scientists

- ☐ A great deal of confidence
- ☐ A fair amount of confidence
- ☐ Not too much confidence
- ☐ No confidence at all

Police officers

- ☐ A great deal of confidence
- ☒ A fair amount of confidence
- ☐ Not too much confidence
- ☐ No confidence at all

Public school principals for grades K-12

- ☐ A great deal of confidence
- ☐ A fair amount of confidence
- ☐ Not too much confidence
- ☐ No confidence at all

Business leaders

- ☐ A great deal of confidence
- ☐ A fair amount of confidence
- ☐ Not too much confidence
- ☐ No confidence at all

The military

- ☐ A great deal of confidence
- ☐ A fair amount of confidence
- ☐ Not too much confidence
- ☐ No confidence at all

Religious leaders

- ☐ A great deal of confidence
- ☐ A fair amount of confidence
- ☐ Not too much confidence
- ☐ No confidence at all

Elected officials

- ☐ A great deal of confidence
- ☐ A fair amount of confidence
- ☐ Not too much confidence
- ☐ No confidence at all

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ASK ALL:

The next few questions in this survey are just to confirm that we have the correct information about the background of the people who take our surveys.

ASK ALL:

HISP Are you of Hispanic, Latino, or Spanish origin, such as Mexican, Puerto Rican or Cuban?

- 1 Yes
- 2 No

[PROGRAMMING NOTE: ADD STANDARD SOFT PROMPT IF THIS QUESTION IS SKIPPED WITHOUT A RESPONSE BEING ENTERED]

⚠ We would like to have your answer to this question.

The next few questions in this survey are just to confirm that we have the correct information about the background of the people who take our surveys.

Are you of Hispanic, Latino, or Spanish origin, such as Mexican, Puerto Rican or Cuban?

- ☐ Yes
- ☐ No

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ASK ALL:

RACEMOD

What is your race or origin?

[Check all that apply]

- 1 White
- 2 Black or African American
- 3 Asian or Asian American
- 4 American Indian or Alaska Native
- 5 Native Hawaiian or other Pacific Islander
- 6 Some other race or origin **[TEXT BOX]**

Soft prompt if select 6 and left blank: You did not provide a response in the text box. If you would like to skip, click Next.

[PROGRAMMING NOTE: ADD STANDARD SOFT PROMPT IF THIS QUESTION IS SKIPPED WITHOUT A RESPONSE BEING ENTERED]

The screenshot shows a survey question interface. At the top, a red banner contains a warning icon and the text: "We would like to have your answer to this question." Below this, the question "What is your race or origin?" is displayed. Underneath the question is a link that says "[Check all that apply]". A list of six options follows, each with an unchecked checkbox: "White", "Black or African American", "Asian or Asian American", "American Indian or Alaska Native", "Native Hawaiian or other Pacific Islander", and "Some other race or origin". The last option is followed by a text input field. At the bottom of the interface, there are two buttons: "Previous" and "Next".

PROGRAMMING NOTE: Please create RACECMB2 as follows and include variable in dataset:

if one selection at RACEMOD recode racemod (1=1) (2=2) (3=3) (4,5,6=6) (refused=9) into racecmb2.

if racemod=2 AND (RACEMOD count>1) racecmb2=4.

If racemod does not equal 2 AND (RACEMOD count>1) racecmb2=5.

variable label racecmb2 "Combining Race with two Multiracial categories".

value label racecmb2

- 1 "White"
- 2 "Black or African-American"
- 3 "Asian or Asian-American"
- 4 "Multiracial (including Black)"
- 5 "Multiracial (not including Black)"
- 6 "Or some other race"
- 9 "Refused".

PROGRAMMING NOTE: Please create the DOV_RACETHNMOD2 as follows, use in programming:

If RACECMB2=1 AND HISP does not equal 1 DOV_RACETHNMOD2=1.
 If RACECMB2=3 AND HISP does not equal 1 DOV_RACETHNMOD2=1.
 If RACECMB2>=5 AND HISP does not equal 1 DOV_RACETHNMOD2=1
 If RACECMB2=2 AND HISP does not equal 1 DOV_RACETHNMOD2=2.
 If RACECMB2=4 AND HISP does not equal 1 DOV_RACETHNMOD2=4.
 If HISP=1 AND RACECMB does not equal 2 or 4 DOV_RACETHNMOD2=3.
 If HISP=1 AND RACECMB=2,4 DOV_RACETHNMOD2=4.
 Value labels DOV_RACETHNMOD2

- 1 "Other"
- 2 "Black, non-Hispanic"
- 3 "Hispanic, not Black or Multiracial Black"
- 4 "Multiracial Black (Hispanic or non-Hispanic) or Hispanic Black"

ASK ALL:

Next we have a few questions about your experiences with health and medical care.

BIO15B Have you seen a doctor or other health care provider in the past 12 months – whether for routine care or for an illness or medical condition?

- 1 Yes
- 2 No

Next we have a few questions about your experiences with health and medical care.

Have you seen a doctor or other health care provider in the past 12 months – whether for routine care or for an illness or medical condition?

- ☐ Yes
- ☐ No

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ASK ALL:

BIO14 Do you currently have one person you think of as your primary care doctor or health care provider that you usually go to when you are sick or need health care?

- 1 Yes
- 2 No

Do you currently have one person you think of as your primary care doctor or health care provider that you usually go to when you are sick or need health care?

- ☐ Yes
- ☐ No

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ASK ALL:

BIO51

Overall, how would you rate the quality of care you received from doctors or other health care providers most recently?

- 1 Excellent
- 2 Very good
- 3 Good
- 4 Fair
- 5 Poor

Overall, how would you rate the quality of care you received from doctors or other health care providers most recently?

- ☐ Excellent
- ☐ Very good
- ☐ Good
- ☐ Fair
- ☐ Poor

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BIO52

Overall, how would you describe how much you paid out-of-pocket for the care you received from doctors or other health care providers most recently? Did you pay...

- 1 A lot more than what is fair
- 2 A little more than what is fair
- 3 About what is fair
- 4 A little less than what is fair
- 5 A lot less than what is fair

Overall, how would you describe how much you paid out-of-pocket for the care you received from doctors or other health care providers most recently? Did you pay...

- ☐ A lot more than what is fair
- ☐ A little more than what is fair
- ☐ About what is fair
- ☐ A little less than what is fair
- ☐ A lot less than what is fair

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BIO53

Do you think the process for getting medical care at hospitals and medical centers is generally easy or hard to understand?

- 1 Very easy to understand
- 2 Somewhat easy to understand
- 3 Somewhat hard to understand
- 4 Very hard to understand

Do you think the process for getting medical care at hospitals and medical centers is generally easy or hard to understand?

- ☐ Very easy to understand
- ☐ Somewhat easy to understand
- ☐ Somewhat hard to understand
- ☐ Very hard to understand

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ASK ALL:

BIO54 Thinking about problems people may face when getting health care, have any of the following happened to you when dealing with doctors or other health care providers?
[RANDOMIZE ITEMS]

- a. The pain you were experiencing was not taken seriously
- b. You had to speak up to get the proper care
- c. You were rushed by your health care provider
- d. Felt you were treated with less respect than other patients
- e. Felt you received lower-quality care than other patients
- f. You were looked down on because of your weight or eating habits
- g. **ASK IF A WOMAN [F_GENDER=2]:** Your women's health concerns or symptoms were not taken seriously

RESPONSE OPTIONS

- 1 Yes, this has happened recently
- 2 Yes, this has happened in the past, but not recently
- 3 No, this has not happened

Thinking about problems people may face when getting health care, have any of the following happened to you when dealing with doctors or other health care providers?

Felt you were treated with less respect than other patients

- ☐ Yes, this has happened recently
- ☐ Yes, this has happened in the past, but not recently
- ☒ No, this has not happened

You were rushed by your health care provider

- ☐ Yes, this has happened recently
- ☐ Yes, this has happened in the past, but not recently
- ☐ No, this has not happened

The pain you were experiencing was not taken seriously

☐ Yes, this has happened recently

☒ Yes, this has happened in the past, but not recently

☐ No, this has not happened

You were looked down on because of your weight or eating habits

☐ Yes, this has happened recently

☐ Yes, this has happened in the past, but not recently

☐ No, this has not happened

Your women's health concerns or symptoms were not taken seriously

☐ Yes, this has happened recently

☐ Yes, this has happened in the past, but not recently

☐ No, this has not happened

Felt you received lower-quality care than other patients

☐ Yes, this has happened recently

☐ Yes, this has happened in the past, but not recently

☐ No, this has not happened

You had to speak up to get the proper care

☐ Yes, this has happened recently

☐ Yes, this has happened in the past, but not recently

☐ No, this has not happened

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ASK IF BLACK OR HISPANIC (DOV_RACETHNMOD2=2-4):

BIO55

Would you prefer to see a doctor or other health care provider for routine care who is
[IF DOV_RACETHNMOD2=2: Black; IF DOV_RACETHNMOD2=3: Hispanic; IF DOV_RACETHNMOD2=4: of your racial background]?

- 1 Strongly prefer
- 2 Somewhat prefer
- 3 Would rather not
- 4 Makes no difference to me

Would you prefer to see a doctor or other health care provider for routine care who is of your racial background?

☐ Strongly prefer

☐ Somewhat prefer

☐ Would rather not

☐ Makes no difference to me

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ASK IF BLACK OR HISPANIC (DOV_RACETHNMOD2=2-4):

BIO56

Have you ever seen a doctor or other health care provider for routine care who was [IF DOV_RACETHNMOD2=2: Black; IF DOV_RACETHNMOD2=3: Hispanic; IF DOV_RACETHNMOD2=4: of your racial background]?

- 1 Yes
- 2 No

Have you ever seen a doctor or other health care provider for routine care who was of your racial background?

- ☐ Yes
- ☐ No

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ASK IF HISPANIC (HISP=1):

BIO57

Do you prefer to see a doctor or other health care provider for routine care who speaks Spanish?

- 1 Strongly prefer
- 2 Somewhat prefer
- 3 Would rather not
- 4 Makes no difference to me

Do you prefer to see a doctor or other health care provider for routine care who speaks Spanish?

- ☐ Strongly prefer
- ☐ Somewhat prefer
- ☐ Would rather not
- ☐ Makes no difference to me

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ASK IF HISPANIC (HISP=1):

BIO58

Do you have a close friend or family member who needs a Spanish-speaking health care provider or translator?

- 1 Yes
- 2 No

Do you have a close friend or family member who needs a Spanish-speaking health care provider or translator?

- ☐ Yes
- ☐ No

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ASK IF BLACK OR HISPANIC (DOV_RACETHNMOD2=2-4):

BIO59

Do you think a doctor or health care provider who is [IF DOV_RACETHNMOD2=2: Black; IF DOV_RACETHNMOD2=3: Hispanic; IF DOV_RACETHNMOD2=4: of your racial background] is better, worse or about the same as other health care providers at each of the following? [RANDOMIZE]

- a. Taking your symptoms and concerns seriously
- b. Treating you with respect
- c. Providing you with the best quality medical care
- d. Looking out for your best interests

RESPONSE OPTIONS

- 1 Better than other doctors
- 2 Worse than other doctors
- 3 About the same as other doctors

Do you think a doctor or health care provider who is of your racial background is better, worse or about the same as other health care providers at each of the following?

Taking your symptoms and concerns seriously

- ☐ Better than other doctors
- ☐ Worse than other doctors
- ☐ About the same as other doctors

Looking out for your best interests

- ☐ Better than other doctors
- ☐ Worse than other doctors
- ☐ About the same as other doctors

Treating you with respect

- ☐ Better than other doctors
- ☐ Worse than other doctors
- ☐ About the same as other doctors

Providing you with the best quality medical care

- ☐ Better than other doctors
- ☐ Worse than other doctors
- ☐ About the same as other doctors

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ASK IF BLACK OR HISPANIC (DOV_RACETHNMOD2=2-4):

BIO60

Thinking about the past 20 years, would you say health outcomes for [IF DOV_RACETHNMOD2=2: Black people; IF DOV_RACETHNMOD2=3: Hispanic people; IF DOV_RACETHNMOD2=4: people of your racial background] have...

- 1 Gotten a lot better
- 2 Gotten a little better
- 3 Stayed about the same
- 4 Gotten a little worse
- 5 Gotten a lot worse

Thinking about the past 20 years, would you say health outcomes for people of your racial background have...

- ☐ Gotten a lot better
- ☐ Gotten a little better
- ☐ Stayed about the same
- ☐ Gotten a little worse
- ☐ Gotten a lot worse

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ASK IF BLACK OR HISPANIC (DOV_RACETHNMOD2=2-4):

BIO61

As you may know, a number of measures show that, in general, [IF DOV_RACETHNMOD2=2: Black people; IF DOV_RACETHNMOD2=3: Hispanic people; IF DOV_RACETHNMOD2=4: people of your racial background] have worse health outcomes than other adults in this country.

How much of a reason is each of the following for why [IF DOV_RACETHNMOD2=2: Black people; IF DOV_RACETHNMOD2=3: Hispanic people; IF DOV_RACETHNMOD2=4: people of your racial background] generally have worse health outcomes than other adults in this country? [RANDOMIZE]

- a. They have less access to quality medical care where they live
- b. They are more likely to have preexisting health conditions
- c. Health care providers are less likely to give them the most advanced medical care
- d. Hospitals and medical centers give lower priority to their well-being
- e. They live in communities with more environmental problems that cause health issues
- f. There are more communication problems from language or cultural differences
- g. They are more likely to work in jobs that put them at risk for health problems

RESPONSE OPTIONS:

- 1 A major reason
- 2 A minor reason
- 3 Not a reason

As you may know, a number of measures show that, in general, people of your racial background have worse health outcomes than other adults in this country.

How much of a reason is each of the following for why people of your racial background generally have worse health outcomes than other adults in this country?

They are more likely to have preexisting health conditions

- ☐ A major reason
- ☐ A minor reason
- ☐ Not a reason

They live in communities with more environmental problems that cause health issues

- ☐ A major reason
- ☐ A minor reason
- ☐ Not a reason

They are more likely to work in jobs that put them at risk for health problems

- ☐ A major reason
- ☐ A minor reason
- ☐ Not a reason

Hospitals and medical centers give lower priority to their well-being

- ☐ A major reason
- ☐ A minor reason
- ☐ Not a reason

Health care providers are less likely to give them the most advanced medical care

- ☐ A major reason
- ☐ A minor reason
- ☐ Not a reason

There are more communication problems from language or cultural differences

- ☐ A major reason
- ☐ A minor reason
- ☐ Not a reason

They have less access to quality medical care where they live

- ☐ A major reason
- ☐ A minor reason
- ☐ Not a reason

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ASK IF HISPANIC (HISP=1):

BIO62 Do you have a close friend or family member who worries about their legal status in the U.S. when thinking about going to see a health care provider?

- 1 Yes
- 2 No

Do you have a close friend or family member who worries about their legal status in the U.S. when thinking about going to see a health care provider?

☐ Yes

☐ No

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ASK ALL:

Medical research scientists conduct research to investigate human diseases, and test methods to prevent and treat them.

ASK ALL:

RQ2_F1A How much, if anything, do you know about what medical research scientists do?

- 1 A lot
- 2 A little
- 3 Nothing at all

Medical research scientists conduct research to investigate human diseases, and test methods to prevent and treat them.

How much, if anything, do you know about what medical research scientists do?

☐ A lot

☐ A little

☐ Nothing at all

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ASK ALL:

RQ4_F1A Thinking about medical research scientists, how often would you say they...
[RANDOMIZE ITEMS with A-E]

- a. Do a good job conducting research
- b. Provide fair and accurate information when making statements about their research
- c. Admit mistakes and take responsibility for them
- d. Are transparent about potential conflicts of interest with industry groups in their research
- e. Care about the best interests of the public

RESPONSE OPTIONS:

- 1 All or most of the time
- 2 Some of the time
- 3 Only a little of the time
- 4 None of the time

Thinking about medical research scientists, how often would you say they...

Care about the best interests of the public

- ☐ All or most of the time
- ☐ Some of the time
- ☐ Only a little of the time
- ☐ None of the time

Are transparent about potential conflicts of interest with industry groups in their research

- ☐ All or most of the time
- ☐ Some of the time
- ☐ Only a little of the time
- ☐ None of the time

Do a good job conducting research

- ☐ All or most of the time
- ☒ Some of the time
- ☐ Only a little of the time
- ☐ None of the time

Provide fair and accurate information when making statements about their research

- ☐ All or most of the time
- ☐ Some of the time
- ☐ Only a little of the time
- ☐ None of the time

Admit mistakes and take responsibility for them

- ☐ All or most of the time
- ☐ Some of the time
- ☐ Only a little of the time
- ☐ None of the time

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ASK ALL:

RQ5_F1A

Overall, do you think research misconduct by medical research scientists is...

- 1 A very big problem
- 2 A moderately big problem
- 3 A small problem
- 4 Not a problem at all

Overall, do you think research misconduct by medical research scientists is...

- ☐ A very big problem
- ☐ A moderately big problem
- ☐ A small problem
- ☐ Not a problem at all

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ASK ALL:

RQ8_F1A

How often, if at all, do you think medical research scientists face serious consequences if they engage in research misconduct?

- 1 All or most of the time
- 2 Some of the time
- 3 Only a little of the time
- 4 None of the time
- 5

How often, if at all, do you think medical research scientists face serious consequences if they engage in research misconduct?

- ☐ All or most of the time
- ☐ Some of the time
- ☐ Only a little of the time
- ☐ None of the time

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ASK ALL:

BIO63

Thinking about serious cases of medical misconduct that happened in the past...

How much, if at all, have you heard or read about each of the following? **[RANDOMIZE ITEMS]**

- a. The Tuskegee Study on syphilis conducted by the federal government, in which treatment was withheld from Black men
- b. The use of Henrietta Lacks' cancer cells by medical researchers without her or her family's knowledge
- c. Medical doctors who sterilized women in racial and ethnic minority groups without their full understanding, preventing them from having babies
- d. The testing of high-dose birth control pills on women in Puerto Rico, without an explanation of the study and its risks

RESPONSE OPTIONS:

- 1 A lot
- 2 A little
- 3 Nothing at all

Thinking about serious cases of medical misconduct that happened in the past...

How much, if at all, have you heard or read about each of the following?

Medical doctors who sterilized women in racial and ethnic minority groups without their full understanding, preventing them from having babies

- ☐ A lot
☐ A little
☐ Nothing at all

The Tuskegee Study on syphilis conducted by the federal government, in which treatment was withheld from Black men

- ☐ A lot
☐ A little
☐ Nothing at all

The testing of high-dose birth control pills on women in Puerto Rico, without an explanation of the study and its risks

- ☐ A lot
☐ A little
☐ Nothing at all

The use of Henrietta Lacks' cancer cells by medical researchers without her or her family's knowledge

- ☐ A lot
☐ A little
☐ Nothing at all

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ASK ALL:

BIO64

Thinking about the procedures for reviewing the ethics of medical research studies today, which of these statements comes closer to your view, even if neither is exactly right? **[RANDOMIZE]**

- 1 Procedures in place today prevent serious cases of research misconduct
 2 Research misconduct is just as likely today as it has been in the past

Thinking about the procedures for reviewing the ethics of medical research studies today, which of these statements comes closer to your view, even if neither is exactly right?

- ☐ Research misconduct is just as likely today as it has been in the past
☐ Procedures in place today prevent serious cases of research misconduct

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ASK ALL:

On another subject...

ASK ALL:

EDSTEM1 How much of a reason is each of the following for why many young people do not pursue college degrees in science, technology, engineering and mathematics? **[RANDOMIZE ITEMS with f "Some other reason" always last]**

- a. They think these subjects are too hard
- b. They are just not interested in these subjects
- c. They think these subjects are not useful for their careers
- d. They do not have access to quality education to prepare them for these fields
- e. They do not have a mentor or other adult encouraging them to pursue these degrees

RESPONSE OPTIONS:

- 1 A major reason
- 2 A minor reason
- 3 Not a reason

On another subject...

How much of a reason is each of the following for why many young people do not pursue college degrees in science, technology, engineering and mathematics?

They do not have access to quality education to prepare them for these fields

- ☐ A major reason
- ☐ A minor reason
- ☐ Not a reason

They are just not interested in these subjects

- ☐ A major reason
- ☐ A minor reason
- ☐ Not a reason

They think these subjects are too hard

- ☐ A major reason
- ☒ A minor reason
- ☐ Not a reason

They do not have a mentor or other adult encouraging them to pursue these degrees

- ☐ A major reason
- ☐ A minor reason
- ☐ Not a reason

They think these subjects are not useful for their careers

- ☐ A major reason
- ☐ A minor reason
- ☐ Not a reason

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ASK IF BLACK OR HISPANIC (DOV_RACETHNMOD2=2-4):

EDSTEM2 Do you think young [IF DOV_RACETHNMOD2=2: Black people; IF DOV_RACETHNMOD2=3: Hispanic people; IF DOV_RACETHNMOD2=4: people of your racial background] would be more likely to pursue college degrees in science, technology, engineering and mathematics if... [RANDOMIZE ITEMS]

- a. They had a high school teacher in these areas who was [IF DOV_RACETHNMOD2=2: Black; IF DOV_RACETHNMOD2=3: Hispanic; IF DOV_RACETHNMOD2=4: of your racial background]
- b. They saw more examples of high achievers in these areas who were [IF DOV_RACETHNMOD2=2: Black; IF DOV_RACETHNMOD2=3: Hispanic; IF DOV_RACETHNMOD2=4: of your racial background]
- c. The typical college or university had at least several [IF DOV_RACETHNMOD2=2: Black students; IF DOV_RACETHNMOD2=3: Hispanic students; IF DOV_RACETHNMOD2=4: students of your racial background] pursuing degrees in these areas

RESPONSE OPTIONS:

- 1 A lot more likely
- 2 A little more likely
- 3 Would not make a difference

Do you think young people of your racial background would be more likely to pursue college degrees in science, technology, engineering and mathematics if...

The typical college or university had at least several students of your racial background pursuing degrees in these areas

- ☐ A lot more likely
- ☒ A little more likely
- ☐ Would not make a difference

They saw more examples of high achievers in these areas who were of your racial background

- ☐ A lot more likely
- ☐ A little more likely
- ☐ Would not make a difference

They had a high school teacher in these areas who was of your racial background

- ☐ A lot more likely
- ☐ A little more likely
- ☐ Would not make a difference

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ASK IF HIGH SCHOOL GRADUATE OR MORE EDUC (XHSPLUS=1):

EDSTEM3 Thinking back to your most recent schooling in science, technology, engineering or mathematics, whether in high school or college, did you ever have someone who...
[RANDOMIZE ITEMS]

- a. Encouraged you to keep taking classes in these subjects
- b. Treated you as if you could not understand these subjects
- c. Helped you see ways these subjects could be useful for your job or career
- d. Made you feel like you didn't belong in these classes
- e. Made repeated negative comments or slights about your race or ethnicity
- f. Made you feel excited about your abilities in these subjects

RESPONSE OPTIONS:

- 1 Yes
- 2 No

Thinking back to your most recent schooling in science, technology, engineering or mathematics, whether in high school or college, did you ever have someone who...

Helped you see ways these subjects could be useful for your job or career

- ☐ Yes
- ☐ No

Encouraged you to keep taking classes in these subjects

- ☐ Yes
- ☐ No

Made you feel excited about your abilities in these subjects

- ☐ Yes
- ☐ No

Made you feel like you didn't belong in these classes

- ☐ Yes
- ☐ No

Treated you as if you could not understand these subjects

- ☐ Yes
- ☐ No

Made repeated negative comments or slights about your race or ethnicity

- ☐ Yes
- ☐ No

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ASK IF BLACK OR HISPANIC (DOV_RACETHNMOD2=2-4):

EDSTEM4 Thinking back, did you, personally, ever have a high school teacher in science, technology, engineering or mathematics who was **[IF DOV_RACETHNMOD2=2: Black; IF DOV_RACETHNMOD2=3: Hispanic; IF DOV_RACETHNMOD2=4: of your racial background]**?

- 1 Yes
- 2 No

Thinking back, did you, personally, ever have a high school teacher in science, technology, engineering or mathematics who was of your racial background?

- ☐ Yes
- ☐ No

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ASK IF (FORM=1,3) AND BLACK OR HISPANIC (DOV_RACETHNMOD2=2-4):

EDSTEM5 Just your impression, how welcoming do you think the following professional groups are of **[IF DOV_RACETHNMOD2=2: Black people; IF DOV_RACETHNMOD2=3: Hispanic people; IF DOV_RACETHNMOD2=4: people of your racial background]** in these jobs?
[RANDOMIZE ITEMS; SPLIT OVER TWO SCREENS]

- a. Scientists
- b. Engineers
- c. Clergy
- d. Medical doctors
- e. Professional musicians
- f. Officers in the military
- g. Lawyers
- h. Business executives
- i. Professional athletes

RESPONSE OPTIONS:

- 1 Very welcoming
- 2 Somewhat welcoming
- 3 Not too welcoming
- 4 Not at all welcoming

Just your impression, how welcoming do you think the following professional groups are of people of your racial background in these jobs?

Engineers

- ☐ Very welcoming
- ☐ Somewhat welcoming
- ☐ Not too welcoming
- ☐ Not at all welcoming

Officers in the military

- ☐ Very welcoming
- ☐ Somewhat welcoming
- ☐ Not too welcoming
- ☐ Not at all welcoming

Clergy

- ☒ Very welcoming
- ☐ Somewhat welcoming
- ☐ Not too welcoming
- ☐ Not at all welcoming

Medical doctors

- ☐ Very welcoming
- ☐ Somewhat welcoming
- ☐ Not too welcoming
- ☐ Not at all welcoming

Professional musicians

- ☐ Very welcoming
- ☐ Somewhat welcoming
- ☐ Not too welcoming
- ☐ Not at all welcoming

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Just your impression, how welcoming do you think the following professional groups are of people of your racial background in these jobs?

Lawyers

- ☐ Very welcoming
- ☐ Somewhat welcoming
- ☐ Not too welcoming
- ☐ Not at all welcoming

Scientists

- ☐ Very welcoming
- ☐ Somewhat welcoming
- ☐ Not too welcoming
- ☐ Not at all welcoming

Professional athletes

- ☐ Very welcoming
- ☐ Somewhat welcoming
- ☐ Not too welcoming
- ☐ Not at all welcoming

Business executives

- ☐ Very welcoming
- ☐ Somewhat welcoming
- ☐ Not too welcoming
- ☐ Not at all welcoming

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ASK IF (FORM=2,4) AND BLACK OR HISPANIC (DOV_RACETHNMOD2=2-4):

EDSTEM6 Would you say many **[IF DOV_RACETHNMOD2=2: Black people; IF DOV_RACETHNMOD2=3: Hispanic people; IF DOV_RACETHNMOD2=4: people of your racial background]** have reached the highest levels of success in the following professional groups? **[RANDOMIZE ITEMS; SPLIT OVER TWO SCREENS]**

- a. Scientists
- b. Engineers
- c. Clergy
- d. Medical doctors
- e. Professional musicians
- f. Officers in the military
- g. Lawyers
- h. Business executives
- i. Professional athletes

RESPONSE OPTIONS:

- 1 Yes
- 2 No

Would you say many people of your racial background have reached the highest levels of success in the following professional groups?

Clergy

- ☐ Yes
☐ No

Professional musicians

- ☐ Yes
☐ No

Professional athletes

- ☐ Yes
☐ No

Officers in the military

- ☐ Yes
☐ No

Business executives

- ☐ Yes
☐ No

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Would you say many people of your racial background have reached the highest levels of success in the following professional groups?

Medical doctors

- ☐ Yes
☐ No

Engineers

- ☐ Yes
☐ No

Lawyers

- ☐ Yes
☐ No

Scientists

- ☐ Yes
☐ No

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ASK ALL:

TOPICINT17 How interested are you in news about each of the following topics? [**RANDOMIZE**]

- a. Government and politics news
- b. News about your local community
- c. Sports news
- d. Business and finance news
- e. Science news
- f. Entertainment news

RESPONSE OPTIONS:

- 1 Very interested
- 2 Somewhat interested
- 3 Not too interested
- 4 Not at all interested

How interested are you in news about each of the following topics?

Sports news

- ☐ Very interested
- ☐ Somewhat interested
- ☐ Not too interested
- ☐ Not at all interested

Business and finance news

- ☐ Very interested
- ☐ Somewhat interested
- ☐ Not too interested
- ☐ Not at all interested

Entertainment news

- ☐ Very interested
- ☐ Somewhat interested
- ☐ Not too interested
- ☐ Not at all interested

News about your local community

- ☐ Very interested
- ☐ Somewhat interested
- ☐ Not too interested
- ☐ Not at all interested

Government and politics news

- ☐ Very interested
- ☐ Somewhat interested
- ☐ Not too interested
- ☐ Not at all interested

Science news

- ☐ Very interested
- ☐ Somewhat interested
- ☐ Not too interested
- ☐ Not at all interested

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ASK ALL:

Thinking about information you may see about **[FILL: XFORM=1: the coronavirus outbreak and vaccines; XFORM=2:energy and environment issues; XFORM=3:health and medicine issues; XFORM=4:science]...**

ASK ALL:

SCISEEK

Which statement best describes how you see news about **[FILL: XFORM=1: the coronavirus outbreak and vaccines; XFORM=2:energy and environment issues; XFORM=3:health and medicine issues; XFORM=4:science]? [RANDOMIZE ORDER OF RESPONSE 1 AND 2]**

- 1 I mostly see it because I'm looking for it
- 2 I mostly see it because I happen to come across it

Thinking about information you may see about the coronavirus outbreak and vaccines...

Which statement best describes how you see news about the coronavirus outbreak and vaccines?

- ☐ I mostly see it because I'm looking for it
- ☐ I mostly see it because I happen to come across it

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ASK ALL:**DISCUSS**

Thinking about the people you talk with, whether in person, over the phone or online...

How often do you discuss news about **[FILL: XFORM=1: the coronavirus outbreak and vaccines; XFORM=2:energy and environment issues; XFORM=3:health and medicine issues; XFORM=4:science]** with others?

- 1 Nearly every day
- 2 A few times a week
- 3 A few times a month
- 4 Less often

Thinking about the people you talk with, whether in person, over the phone or online...

How often do you discuss news about the coronavirus outbreak and vaccines with others?

- ☐ Nearly every day
- ☐ A few times a week
- ☐ A few times a month
- ☐ Less often

[Previous](#)[Next](#)**ASK ALL:****OUTREACH**

Have there been any public events, talks, or activities in your local community over the past year, whether in person or online, about **[FILL: XFORM=1: the coronavirus outbreak and vaccines; XFORM=2:energy and environment issues; XFORM=3:health and medicine issues; XFORM=4:science]**?

- 1 Yes, several
- 2 Yes, one or two
- 3 No, none

Have there been any public events, talks, or activities in your local community over the past year, whether in person or online, about the coronavirus outbreak and vaccines?

- ☐ Yes, several
- ☐ Yes, one or two
- ☐ No, none

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**ASK ALL:
SCIREACT**

Have you had any of the following reactions when following information about **[FILL: XFORM=1: the coronavirus outbreak and vaccines; XFORM=2:energy and environment issues; XFORM=3:health and medicine issues; XFORM=4:science]**? **[RANDOMIZE ITEMS]**

- a. It is difficult to know what to think because there is so much conflicting information
- b. I feel that I should be keeping up with new developments in this area more than I do
- c. I am amazed by scientific developments in this area
- d. It is frustrating that there is so much political disagreement in this area
- e. It is reassuring to see that knowledge in this area is always being updated

RESPONSE OPTIONS:

- 1 Yes, I have had this reaction
- 2 No, I have not had this reaction

Have you had any of the following reactions when following information about the coronavirus outbreak and vaccines?

I feel that I should be keeping up with new developments in this area more than I do

☐ Yes, I have had this reaction

☐ No, I have not had this reaction

It is reassuring to see that knowledge in this area is always being updated

☐ Yes, I have had this reaction

☐ No, I have not had this reaction

It is frustrating that there is so much political disagreement in this area

☐ Yes, I have had this reaction

☐ No, I have not had this reaction

It is difficult to know what to think because there is so much conflicting information

☐ Yes, I have had this reaction

☐ No, I have not had this reaction

I am amazed by scientific developments in this area

☐ Yes, I have had this reaction

☐ No, I have not had this reaction

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**ASK ALL:
SCIRELY**

How much do you think you can rely on information that you see or hear about **[FILL: XFORM=1: the coronavirus outbreak and vaccines; XFORM=2:energy and environment issues; XFORM=3:health and medicine issues; XFORM=4:science]** from the following sources? **[RANDOMIZE ITEMS]**

- a. Close friends and family

- b. Experts on **[FILL: XFORM=1: the coronavirus outbreak and vaccines; XFORM=2:energy and environment issues; XFORM=3:health and medicine issues; XFORM=4:science]**
- c. Religious leaders
- d. Neighbors or other people in your local community
- e. Journalists
- f. Personalities on social media that you follow
- g. Online groups of people with shared interests that you are part of

ASK IF BLACK OR HISPANIC (DOV_RACETHNMOD2=2-4):

- h. News media that focuses on **[IF DOV_RACETHNMOD2=2: Black audiences; IF DOV_RACETHNMOD2=3: Hispanic audiences; IF DOV_RACETHNMOD2=4: audiences of your racial background]**

RESPONSE OPTIONS:

- 1 A lot
- 2 Some
- 3 Not too much
- 4 Not at all
- [space]**
- 5 Does not apply

How much do you think you can rely on information that you see or hear about the coronavirus outbreak and vaccines from the following sources?

Journalists

- ☐ A lot
- ☐ Some
- ☐ Not too much
- ☐ Not at all
- ☐ Does not apply

Close friends and family

- ☐ A lot
- ☐ Some
- ☐ Not too much
- ☐ Not at all
- ☐ Does not apply

Religious leaders

- ☒ A lot
- ☐ Some
- ☐ Not too much
- ☐ Not at all
- ☐ Does not apply

News media that focuses on audiences of your racial background

- ☐ A lot
- ☐ Some
- ☐ Not too much
- ☐ Not at all
- ☐ Does not apply

Online groups of people with shared interests that you are part of

- ☒ A lot
- ☐ Some
- ☐ Not too much
- ☐ Not at all
- ☐ Does not apply

Personalities on social media that you follow

- ☐ A lot
- ☐ Some
- ☐ Not too much
- ☐ Not at all
- ☐ Does not apply

Experts on the coronavirus outbreak and vaccines

- ☐ A lot
- ☐ Some
- ☐ Not too much
- ☐ Not at all
- ☐ Does not apply

Neighbors or other people in your local community

- ☐ A lot
- ☐ Some
- ☐ Not too much
- ☐ Not at all
- ☐ Does not apply

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ASK ALL INTERNET USERS (XTABLET=2):

SNSUSE Do you ever use social media sites like Facebook, Twitter, or Instagram?

- 1 Yes, I use social media sites
- 2 No, I do not use social media sites

Do you ever use social media sites like Facebook, Twitter, or Instagram?

- ☐ Yes, I use social media sites
- ☐ No, I do not use social media sites

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ASK IF USE SOCIAL MEDIA (SNSUSE=1):

SMCONT Have you seen any content on social media in the past few weeks that focused on **[FILL: XFORM=1: the coronavirus outbreak and vaccines; XFORM=2: energy and environment issues; XFORM=3: health and medicine issues; XFORM=4: science]**?

- 1 Yes, I have seen this on social media
- 2 No, I have not seen this on social media

Have you seen any content on social media in the past few weeks that focused on the coronavirus outbreak and vaccines?

- ☐ Yes, I have seen this on social media
- ☐ No, I have not seen this on social media

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ASK IF USE SOCIAL MEDIA (SNSUSE=1):

SMFOLL On social media, do you follow an account, page, organization or person who focuses on information about **[FILL: XFORM=1: the coronavirus outbreak and vaccines; XFORM=2:energy and environment issues; XFORM=3:health and medicine issues; XFORM=4:science]**?

- 1 Yes, at least one
- 2 No, none

On social media, do you follow an account, page, organization or person who focuses on information about the coronavirus outbreak and vaccines?

- ☐ Yes, at least one
- ☐ No, none

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ASK ALL:

E_COVIDMOD Which of the following best describes your current employment situation?

- 1 Employed full-time
- 2 Employed part-time
- 3 Retired
- 4 Furloughed or temporarily laid off
- 5 Not employed

Which of the following best describes your current employment situation?

- ☐ Employed full-time
- ☐ Employed part-time
- ☐ Retired
- ☐ Furloughed or temporarily laid off
- ☐ Not employed

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ASK IF EMPLOYED AT LEAST PART TIME (E_COVIDMOD=1,2):

WORKSTEM In your MAIN job, what kind of work do you do? Does your job happen to be any of the following?

- 1 Computer and Mathematical
- 2 Architecture and Engineering
- 3 Life and Physical Sciences
- 4 Medical Doctor (such as physician, surgeon, dentist, veterinarian)
- 5 Other Health Care Practitioner (such as nurse, pharmacist, chiropractor, dietician)
- 6 Health Technologist or Technician (such as paramedic, lab technician)
- 7 Teacher that specializes in science, technology, engineering or math
- 8 Something else

In your MAIN job, what kind of work do you do? Does your job happen to be any of the following?

- ☐ Computer and Mathematical
- ☐ Architecture and Engineering
- ☐ Life and Physical Sciences
- ☐ Medical Doctor (such as physician, surgeon, dentist, veterinarian)
- ☐ Other Health Care Practitioner (such as nurse, pharmacist, chiropractor, dietician)
- ☐ Health Technologist or Technician (such as paramedic, lab technician)
- ☐ Teacher that specializes in science, technology, engineering or math
- ☐ Something else

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ASK IF SOME COLLEGE OR MORE EDUCATION (XCOLLEGE=1):

FIRSTCOLL In a previous survey you told us that you have attended college. Are you the first person in your immediate family to have attended college, or not? *[Immediate family includes parents and siblings.]*

- 1 Yes
- 2 No

In a previous survey you told us that you have attended college. Are you the first person in your immediate family to have attended college, or not?
[Immediate family includes parents and siblings.]

- ☐ Yes
- ☐ No

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CODEBOOK FOR SAMPLE VARIABLES TO BE USED IN SURVEY PROGRAMMING LOGIC

F_GENDER

- 1 A man
- 2 A woman
- 3 In some other way
- 99 Refused

XTABLET

- 1 Tablet HH
- 2 Non-tablet HH

XCOLLEGE

- 1 Some college or more education
- 2 Less than some college or refused

XHSPLUS

- 1 HS diploma/GED or more education
- 2 Less than HS diploma/GED education or refused