**2016 PEW RESEARCH CENTER’S AMERICAN TRENDS PANEL**

**WAVE 15 MARCH**

**MARCH 2-28, 2016**[[1]](#footnote-1)

**ASK FORM 1:**

SC1 Overall, would you say science has had a mostly positive effect on our society or a mostly negative effect on our society?

1 Mostly positive

2 Mostly negative

3 Equal positive and negative effects

**ASK IF SC1 = “MOSTLY POSITIVE”:**

SC1POS What are the main ways you think science has had a positive effect on society?

[**OPEN END; TEXT BOX**]

**ASK IF SC1 = “MOSTLY NEGATIVE”:**

SC1NEGWhat are the main ways you think science has had a negative effect on society?

[**OPEN END; TEXT BOX**]

**ASK FORM 2:**

TECH1 Overall, would you say technology has had a mostly positive effect on our society or a mostly negative effect on our society?

1 Mostly positive

2 Mostly negative

3 Equal positive and negative effects

**ASK IF TECH1 = “MOSTLY POSITIVE”:**

TECH1POSWhat are the main ways you think technology has had a positive effect on society?

[**OPEN END; TEXT BOX**]

**ASK IF TECH1 IS “MOSTLY NEGATIVE”:**

TECH1NEG What are the main ways you think technology has had a negative effect on society?

[**OPEN END; TEXT BOX**]

**PROGRAMMING NOTE: ASK ALL ITEMS ON ONE SCREEN; INCLUDE INTRO PARAGRAPH AT TOP; DO NOT USE THERMOMETER IMAGE**

**ASK ALL**

THERMO We'd like to get your feelings toward a number of groups in the U.S. on a “feeling thermometer.” A rating of zero degrees means you feel as cold and negative as possible. A rating of 100 degrees means you feel as warm and positive as possible. You would rate the group at 50 degrees if you don’t feel particularly positive or negative toward the group.

How do you feel toward **[INSERT ITEM; RANDOMIZE a & b, BUT ALWAYS ASK TOGETHER AS A PAIR; RANDOMIZE REST]**?  *[Enter the number in the box between 0 and 100 that reflects your feelings]*

**ASK ALL:**

a.Republicans

b. Democrats

c. blacks

d. whites

e. Hispanics

f. Asians

**ASK FORM 1:**

g.F1 elected officials in Washington

h.F1 people in the military

**ASK FORM 2:**

i.F2evangelical Christians

j.F2 atheists

Enter number here:

**SOFT PROMPT TEXT:** “*Please enter the “degree” or number between 0 and 100 that reflects your feelings in the box. If you would like to skip, click Next.”*

**ASK FORM 1:**

VIEWSCHAR Which of these statements comes closer to your view, even if neither is exactly right? **[RANDOMIZE]**

1 How someone thinks about politics says a lot about the kind of person they are

2 How someone thinks about politics doesn’t say much about the kind of person they are

**ASK FORM 2:**

AGREEPOL When people hold different views about politics … **[RANDOMIZE]**

1 It generally means that they won’t agree about other topics

2 It generally doesn’t say a lot about how much they’ll agree on other topics

**ASK ALL:**

PARTYDIFF How different, if at all, are the policy positions of the **[RANDOMIZE:** Democratic and Republican/Republican and Democratic**]** parties…

1 Very different

2 Somewhat different

3 Not too different

4 Not at all different

**ASK IF PTYDIFF** **= 1-3:**

PARTYDIFFA Compared with 10 years ago, would you say the policy differences between the **[MATCH ABOVE:** Democratic and Republican/Republican and Democratic**]** parties today are … **[REVERSE ORDER FOR HALF SAMPLE]**

1 Bigger

2 About the same

3 Smaller

**ASK ALL:**

THOUGHT How much thought, if any, have you given to candidates running for president in 2016?

1 A lot

2 Some

3 Not much

4 None at all

**ASK ALL:**

MATTERS Thinking about how you feel about the 2016 presidential election and the next president, where would you place yourself on the following scale?

**[PROGRAMMING NOTE: PLEASE FLIP THE LABELS FOR HALF OF RESPONDENTS LEAVING THE SCALE ALWAYS 1🡪4]**

1 1 - Really matters who wins

2 2

3 3

4 4 - Doesn’t really matter who wins

**[RANDOMIZE ORDER OF DEMNOMOE, REPNOMOE]**

**ASK ALL:**

DEMNOMOE Thinking about the 2016 presidential election, who would be your choice for the Democratic nomination for president?

**[PROGRAMMING NOTE: TWO OPEN END TEXT FIELDS LABELED** “First choice” “Second choice (if any)” **DO NOT INCLUDE CHECK BOXES FOR ANY CHOICES]**

**ASK ALL:**

REPNOMOE Thinking about the 2016 presidential election, who would be your choice for the Republican nomination for president?

**[PROGRAMMING NOTE: TWO OPEN END TEXT FIELDS LABELED** “First choice” “Second choice (if any)” **DO NOT INCLUDE CHECK BOXES FOR ANY CHOICES]**

**ASK ALL:**

VOTEPARTY Thinking ahead to the presidential election that will take place in NOVEMBER 2016, regardless of who the nominees from each party are, do you think you will **[CATEGORIES IN REVERSE ORDER FOR RANDOM HALF OF SAMPLE]**?

1 Definitely vote for the Republican

2 Probably vote for the Republican

3 Probably vote for the Democrat

4 Definitely vote for the Democrat

**ASK ALL:**

Now, thinking about the people you talk with, whether in person, over the phone, or electronically…

TALKPOL How often do you discuss government and politics with others? **[READ IN ORDER]**

1. Nearly every day
2. A few times a week
3. A few times a month

4 Less often

**ASK ALL:**

FAMTALK When you were growing up, did your close family talk about government and politics at home...

1 A lot

2 Some

3 Not much

4 Not at all

**ASK ALL:**

TALKDISA In your experience, when you talk about politics with people who you DISagree with, do you generally find it to be … **[RANDOMIZE]**

1 Interesting and informative

2 Stressful and frustrating

**ASK ALL:**

TALKCMN And in your experience, when you talk about politics with people who you DISagree with, do you usually find that … **[RANDOMIZE]**

1 You have more in common politically than you thought

2 You have less in common politically than you thought

**PROGRAMMING NOTE: RANDOMIZE DEMOCRATIC PARTY (IDEODEM) AND REPUBLICAN PARTY (IDEOREP) QUESTIONS**

**PROGRAMMING NOTE: WHEN THE SCALES CHANGE FOR ½ THE SAMPLE, PER THE PROGRAMMING NOTE BELOW, THE INTRO LANGUAGE WILL HAVE TO CHANGE AS WELL. THE HALF THAT GET ‘VERY CONSERVATIVE’ AT THE TOP WILL SEE “…WHERE 10 MEANS VERY CONSERVATIVE AND 0 MEANS VERY LIBERAL” IN THE INTRO LANGUAGE.**

**PROGRAMMING NOTE: ONLY INCLUDE INTRO --“IN POLITICS…10 MEANS VERY CONSERVATIVE”--IF ASKED FIRST WITH CORRECT LABEL FOR 10 AND PARTY**

**ASK ALL:**

IDEODEM In politics, people sometimes talk about liberal and conservative. Where would you place the Democratic Party on a scale from 0 to 10 where 10 means very liberal and 0 means very conservative?

Please click below where you would place the Democratic party on the scale below. **[RANDOM HALF VERY LIBERAL AT THE TOP AND VERY CONSERVATIVE AT THE BOTTOM, OTHER HALF SEES THE REVERSE, ALWAYS KEEPING 10 AT THE TOP AND 0 AT THE BOTTOM EACH TIME]**

Very liberal ----- (10)

(9)

(8)

(7)

(6)

----- (5)

(4)

(3)

(2)

(1)

Very conservative ----- (0)

**PROGRAMMING NOTE: WHEN THE SCALES CHANGE FOR ½ THE SAMPLE, PER THE PROGRAMMING NOTE BELOW, THE INTRO LANGUAGE WILL HAVE TO CHANGE AS WELL. THE HALF THAT GET ‘VERY CONSERVATIVE’ AT THE TOP WILL SEE “…WHERE 10 MEANS VERY CONSERVATIVE AND 0 MEANS VERY LIBERAL” IN THE INTRO LANGUAGE.**

**ASK ALL:**

IDEOREP In politics, people sometimes talk about liberal and conservative. Where would you place the Republican Party on a scale from 0 to 10 where 10 means very liberal and 0 means very conservative?

Please click below where you would place the Republican party on the scale below. **[RANDOM HALF VERY LIBERAL AT THE TOP AND VERY CONSERVATIVE AT THE BOTTOM, OTHER HALF SEES THE REVERSE, ALWAYS KEEPING 10 AT THE TOP AND 0 AT THE BOTTOM EACH TIME]**

Very liberal ----- (10)

(9)

(8)

(7)

(6)

----- (5)

(4)

(3)

(2)

(1)

Very conservative ----- (0)

**ASK ALL:**

IDEOSELF Where would you place yourself on this same scale from 0 to 10? **[RANDOM HALF VERY LIBERAL AT THE TOP AND VERY CONSERVATIVE AT THE BOTTOM, OTHER HALF SEES THE REVERSE, ALWAYS KEEPING 10 AT THE TOP AND 0 AT THE BOTTOM EACH TIME]**

Very liberal ----- (10)

(9)

(8)

(7)

(6)

----- (5)

(4)

(3)

(2)

(1)

Very conservative ----- (0)

**ASK ALL:**

FUTURE Do you think each of the following things will or will not happen in the next 50 years, that is before the year 2066? **[RANDOMIZE ITEMS]**

a. There will be cures for most forms of cancer

1 Will definitely happen

2 Will probably happen

3 Will probably NOT happen

4 Will definitely NOT happen

b. Computer chips will be routinely embedded in our bodies

1 Will definitely happen

2 Will probably happen

3 Will probably NOT happen

4 Will definitely NOT happen

c. We will routinely use implanted sensors to monitor and adjust all food and medications that enter our bloodstream

1 Will definitely happen

2 Will probably happen

3 Will probably NOT happen

4 Will definitely NOT happen

d. We will eliminate almost all birth defects by manipulating the genes of embryos before a baby is born

1 Will definitely happen

2 Will probably happen

3 Will probably NOT happen

4 Will definitely NOT happen

e. People needing a replacement organ, such as a heart, lung or kidney, will routinely receive a transplant with an artificially-made organ

1 Will definitely happen

2 Will probably happen

3 Will probably NOT happen

4 Will definitely NOT happen

**PROGRAMMING NOTE: RANDOMIZE TRAITREPa-e BLOCK WITH TRAITDEMa-e BLOCK; DISPLAY RESPONSE OPTIONS FOR EACH QUESTION IN REVERSE ORDER FOR RANDOM HALF OF SAMPLE; USE SAME RESPONSE OPTION ORDER FOR BOTH BLOCKS.**

**[DISPLAY ON FIRST SCREEN AFTER SCIENCE CONTENT]**

Now on a different subject, thinking about some traits that might describe some people and not others …

**PROGRAMMING NOTE: RANDOMIZE ORDER OF TRAITREPa-e**

**ASK ALL:**

TRAITREPa Compared to other Americans, would you say Republicans are…

1 A lot more moral

2 Somewhat more moral

3 About the same

4 Somewhat more IMmoral

5 A lot more IMmoral

**ASK ALL:**

TRAITREPb Compared to other Americans, would you say Republicans are…

1 A lot more hard-working

2 Somewhat more hard-working

3 About the same

4 Somewhat more lazy

5 A lot more lazy

**ASK ALL:**

TRAITREPc Compared to other Americans, would you say Republicans are…

1 A lot more open-minded

2 Somewhat more open-minded

3 About the same

4 Somewhat more closed-minded

5 A lot more closed-minded

**ASK ALL:**

TRAITREPd Compared to other Americans, would you say Republicans are…

1 A lot more honest

2 Somewhat more honest

3 About the same

4 Somewhat more DIShonest

5 A lot more DIShonest

**ASK ALL:**

TRAITREPe Compared to other Americans, would you say Republicans are…

1 A lot more intelligent

2 Somewhat more intelligent

3 About the same

4 Somewhat more UNintelligent

5 A lot more UNintelligent

**PROGRAMMING NOTE: RANDOMIZE TRAITREPa-e BLOCK WITH TRAITDEMa-e BLOCK; DISPLAY RESPONSE OPTIONS FOR EACH QUESTION IN REVERSE ORDER FOR RANDOM HALF OF SAMPLE; USE SAME RESPONSE OPTION ORDER FOR BOTH BLOCKS.**

**PROGRAMMING NOTE: RANDOMIZE ORDER OF TRAITDEMa-e**

**ASK ALL:**

TRAITDEMa Compared to other Americans, would you say Democrats are…

1 A lot more moral

2 Somewhat more moral

3 About the same

4 Somewhat more IMmoral

5 A lot more IMmoral

**ASK ALL:**

TRAITDEMb Compared to other Americans, would you say Democrats are…

1 A lot more hard-working

2 Somewhat more hard-working

3 About the same

4 Somewhat more lazy

5 A lot more lazy

**ASK ALL:**

TRAITDEMc Compared to other Americans, would you say Democrats are…

1 A lot more open-minded

2 Somewhat more open-minded

3 About the same

4 Somewhat more closed-minded

5 A lot more closed-minded

**ASK ALL:**

TRAITDEMd Compared to other Americans, would you say Democrats are…

1 A lot more honest

2 Somewhat more honest

3 About the same

4 Somewhat more DIShonest

5 A lot more DIShonest

**ASK ALL:**

TRAITDEMe Compared to other Americans, would you say Democrats are…

1 A lot more intelligent

2 Somewhat more intelligent

3 About the same

4 Somewhat more UNintelligent

5 A lot more UNintelligent

**PROGRAMMING NOTE: RANDOMIZE DESCREP & DESCDEM BLOCK WITH AGREEREP & AGREEDEM BLOCK**

**RANDOMIZE ORDER OF DESCREP AND DESCDEM**

**ASK ALL:**

DESCREP Would you say the term Republican describes you…

1 Very well

2 Fairly well

3 Not too well

4 Not at all well

**RANDOMIZE ORDER OF REPDESC AND DESCDEM**

**ASK ALL:**

DESCDEM Would you say the term Democrat describes you…

1 Very well

2 Fairly well

3 Not too well

4 Not at all well

**RANDOMIZE ORDER OF AGREEREP AND AGREEDEM**

**ASK ALL:**

AGREEREP Thinking about political issues, how often do you tend to agree with the positions of the Republican Party?

1 Almost always

2 More than half of the time

3 About half of the time

4 Less than half of the time

5 Almost never

**RANDOMIZE ORDER OF AGREEREP AND AGREEDEM**

**ASK ALL:**

AGREEDEM Thinking about political issues, how often do you tend to agree with the positions of the Democratic Party?

1 Almost always

2 More than half of the time

3 About half of the time

4 Less than half of the time

5 Almost never

**ASK ALL:**

FAMILYRD Now thinking back to when you were growing up, would you say your close family … **[CATEGORIES 1-4 IN REVERSE ORDER FOR RANDOM HALF OF SAMPLE WITH “NONE OF THE ABOVE” ALWAYS LAST; KEEP SPACE BETWEEN RESPONSE OPTIONS 4 AND 5]**

1 Almost always supported Democratic candidates

2 Mostly supported Democratic candidates

3 Mostly supported Republican candidates

4 Almost always supported Republican candidates

5 None of the above

**RANDOMIZE ORDER OF THE THREE SECTIONS: VIGNETTE 1, 2 and 3**

**Next, we will show you a short paragraph followed by a series of questions. This is for a separate research effort, unrelated to the earlier questions in this survey.**

**[RANDOMIZE VIGNETTE 1, 2, 3 ORDER ]**

**ASK ALL:**

**VIGNETTE 1: COMPUTER CHIP IMPLANT FOR COGNITIVE ENHANCEMENT**

New developments in understanding the brain are creating the possibility that doctors will be able to surgically implant a small computer chip in the brain. Right now, these implanted devices are being developed for people with some kind of illness or disability. But in the future, these implanted devices could potentially be available for use by HEALTHY individuals, giving people a much improved ability to concentrate and process information in everyday life.

**ASK ALL:**

CHIP1How much have you heard or read about this idea before today?

1 A lot

2 A little

3 Not at all

**ASK ALL:**

CHIP2In general, do you think an implanted device giving HEALTHY people a much improved ability to concentrate and process information is something that you, personally, would want or not something you would want?

1 Yes, I would definitely want this

2 Yes, I would probably want this

3 No, I would probably NOT want this

4 No, I would definitely NOT want this

**ASK ALL:**

CHIP3Would you say MOST PEOPLE would want or would not want this implanted device?

1 Yes, most people would want this

2 No, most people would NOT want this

**ASK ALL:**

CHIP4Thinking about the possibility of an implanted device giving HEALTHY people a much improved ability to concentrate and process information… **[FIXED ORDER OF ITEMS]**

1. How ENTHUSIASTIC are you, if at all, about this possibility for society as a whole?

1 Very enthusiastic

2 Somewhat enthusiastic

3 Not too enthusiastic

4 Not at all enthusiastic

1. How WORRIED are you, if at all, about this possibility for society as a whole?

1 Very worried

2 Somewhat worried

3 Not too worried

4 Not at all worried

**ASK ALL:**

Thinking about the possibility of an implanted device giving HEALTHY people a much improved ability to concentrate and process information…

CHIP5Which of these statements comes closer to your view, even if neither is exactly right? **[RANDOMIZE RESPONSE OPTIONS]**

1 As humans, we are always trying to better ourselves and this idea is no different

2 This idea is meddling with nature and crosses a line we should not cross

**ASK ALL:**

CHIP6If an implanted device becomes available, giving HEALTHY people a much improved ability to concentrate and process information, do you think the following are likely or not likely to happen as a result? **[RANDOMIZE ITEMS]**

a. People who have these implanted devices will be more productive at their jobs

1 Yes, likely

2 No, not likely

b. People who have these implanted devices will feel superior to people who do not

1 Yes, likely

2 No, not likely

c. This option will be used before we fully understand how it affects people’s health

1 Yes, likely

2 No, not likely

d. People who have these implanted devices will feel more confident and better about themselves

1 Yes, likely

2 No, not likely

e. Inequality will increase because this option will be available only for the wealthy

1 Yes, likely

2 No, not likely

f. Widespread use of this option will lead to new innovation and problem-solving in society

1 Yes, likely

2 No, not likely

**ASK ALL:**

CHIP7Do you think an implanted device giving HEALTHY people a much improved ability to concentrate and process information is…

1 Morally acceptable

2 Morally UNacceptable

3 Not sure

**ASK IF THIS IS THE FIRST VIGNETTE SERIES FOR THE RESPONDENT; EACH RESPONDENT IS ASKED ONLY ONE OPEN-END**

CHIP7OECan you explain a little about why you think this is morally acceptable, morally unacceptable, or something you are not sure about?

**[OPEN END; TEXT BOX]**

**ASK ALL:**

CHIP8Would an implanted device giving HEALTHY people a much improved ability to concentrate and process information be more acceptable, less acceptable, or would it make no difference in each of these circumstances? **[FIXED ORDER OF ITEMS]**

a.If people could turn on and off the effects

1 More acceptable

2 Less acceptable

3 No difference

b.If the effects were permanent and could not be reversed

1 More acceptable

2 Less acceptable

3 No difference

**ASK ALL:**

CHIP9Would you say each of the following is an appropriate use of technology or taking technology too far if the effects were such that those who had these implanted devices were… **[FIXED ORDER OF ITEMS]**

a.Always able to concentrate and process information at a level EQUAL TO THEIR OWN PEAK ABILITIES before they had the implanted device

1 An appropriate use of technology

2 Taking technology too far

b. Able to concentrate and process information at a level MUCH BETTER THAN THEIR OWN PEAK ABILITIES before they had the implanted device

1 An appropriate use of technology

2 Taking technology too far

c. Able to concentrate and process information at a level FAR ABOVE THAT OF ANY HUMAN KNOWN-TO-DATE

1 An appropriate use of technology

2 Taking technology too far

**ASK ALL:**

CHIP10If these implanted devices become available, giving HEALTHY people a much improved ability to concentrate and process information, how much, if at all, do you think society as a whole would change?

1 A great deal

2 Some

3 Not too much

4 Not at all

**ASK ALL:**

CHIP11If these implanted devices become available giving HEALTHY people a much improved ability to concentrate and process information, do you think there would be…

1 More benefits for society than downsides

2 More downsides for society than benefits

3 About equal benefits and downsides for society

**[RANDOMIZE VIGNETTE 1, 2, 3 ORDER ]**

**ASK ALL:**

**VIGNETTE 2: Synthetic Super-Oxygenated Blood Transfusion for Physical Speed, Strength and Stamina**

New developments are creating the possibility of using synthetic blood substitutes to increase the oxygen level in a person’s blood stream, giving them increased speed, strength and stamina. Right now, this man-made substitute for blood is being developed for people with some kind of illness or medical condition. But in the future, a transfusion with this kind of synthetic blood substitute could be developed for use by HEALTHY individuals, giving people a much improved ability to complete all sorts of tasks with much greater speed, strength and stamina.

**ASK ALL:**

STR1 How much have you heard or read about this idea before today?

1 A lot

2 A little

3 Not at all

**ASK ALL:**

STR2 In general, do you think using a synthetic blood substitute giving HEALTHY people much greater speed, strength and stamina is something that you, personally, would want or not something you would want?

1 Yes, I would definitely want this

2 Yes, I would probably want this

3 No, I would probably NOT want this

4 No, I would definitely NOT want this

**ASK ALL:**

STR3 Would you say MOST PEOPLE would want or would not want this synthetic blood substitute?

1 Yes, most people would want this

2 No, most people would NOT want this

**ASK ALL:**

STR4 Thinking about the possibility of this synthetic blood substitute giving HEALTHY people much greater speed, strength and stamina … **[FIXED ORDER OF ITEMS]**

1. How ENTHUSIASTIC are you, if at all, about this possibility for society as a whole?

1 Very enthusiastic

2 Somewhat enthusiastic

3 Not too enthusiastic

4 Not at all enthusiastic

b. How WORRIED are you, if at all, about this possibility for society as a whole?

1 Very worried

2 Somewhat worried

3 Not too worried

4 Not at all worried

**ASK ALL:**

Thinking about the possibility of this synthetic blood substitute giving HEALTHY people much greater speed, strength and stamina...

STR5Which of these statements comes closer to your view, even if neither is exactly right? **[RANDOMIZE RESPONSE OPTIONS]**

1 As humans, we are always trying to better ourselves and this idea is no different

2 This idea is meddling with nature and crosses a line we should not cross

**ASK ALL:**

STR6If this synthetic blood substitute becomes available giving HEALTHY people much greater speed, strength and stamina, do you think the following are likely or not likely to happen as a result? **[RANDOMIZE ITEMS]**

a. People who have a transfusion with this synthetic blood substitute will be more productive at their jobs

1 Yes, likely

2 No, not likely

b. People who have a transfusion with this synthetic blood substitute will feel superior to people who do not

1 Yes, likely

2 No, not likely

c. This option will be used before we fully understand how it affects people’s health

1 Yes, likely

2 No, not likely

d. People who have a transfusion with this synthetic blood substitute will feel more confident and better about themselves

1 Yes, likely

2 No, not likely

e. Inequality will increase because this option will be available only for the wealthy

1 Yes, likely

2 No, not likely

f. Widespread use of this option will lead to new innovation and problem-solving in society

1 Yes, likely

2 No, not likely

**ASK ALL:**

STR7Do you think having a transfusion with this synthetic blood substitute giving HEALTHY people much greater speed, strength and stamina is…

1 Morally acceptable

2 Morally UNacceptable

3 Not sure

**ASK IF THIS IS THE FIRST VIGNETTE SERIES FOR THE RESPONDENT; EACH RESPONDENT IS ASKED ONLY ONE OPEN-END**

STR7OECan you explain a little about why you think this is morally acceptable, morally unacceptable, or something you are not sure about?

**[OPEN END; TEXT BOX]**

**ASK ALL:**

STR8Would a synthetic blood substitute giving HEALTHY people much greater speed, strength and stamina be more acceptable, less acceptable, or would it make no difference in each of these circumstances? **[FIXED ORDER OF ITEMS]**

a. If people could turn on and off the effects

1 More acceptable

2 Less acceptable

3 No difference

b. If the effects were permanent and could not be reversed

1 More acceptable

2 Less acceptable

3 No difference

**ASK ALL:**

STR9Would you say each of the following is an appropriate use of technology or taking technology too far if the effects were such that those who had this synthetic blood substitute… **[FIXED ORDER OF ITEMS]**

a.Always had speed, strength and stamina at a level EQUAL TO THEIR OWN PEAK ABILITIES before they had a transfusion with this synthetic blood substitute

1 An appropriate use of technology

2 Taking technology too far

b.Had speed, strength and stamina at a level MUCH BETTER THAN THEIR OWN PEAK ABILITIES before they had a transfusion with this synthetic blood substitute

1 An appropriate use of technology

2 Taking technology too far

c.Had speed, strength and stamina at a level FAR ABOVE THAT OF ANY HUMAN KNOWN-TO-DATE

1 An appropriate use of technology

2 Taking technology too far

**ASK ALL:**

STR10If this synthetic blood substitute becomes available, giving HEALTHY people much greater speed, strength and stamina, how much, if at all, do you think society as a whole would change?

1 A great deal

2 Some

3 Not too much

4 Not at all

**ASK ALL:**

STR11If this synthetic blood substitute becomes available, giving HEALTHY people much greater speed, strength and stamina, do you think there would be…

1 More benefits for society than downsides

2 More downsides for society than benefits

3 About equal benefits and downsides for society

**[RANDOMIZE VIGNETTE 1, 2, 3 ORDER]**

**ASK ALL:**

**VIGNETTE 3: Gene-editing of babies for reduced risk of serious diseases and conditions**

New developments in genetics and gene-editing techniques are making it possible to treat some diseases and conditions by modifying a person’s genes. In the future, gene-editing techniques could be used for any newborn, by changing the DNA of the embryo before it is born, and giving that baby a much reduced risk of serious diseases and conditions over his or her lifetime. Any changes to a baby’s genetic make-up could be passed on to future generations if they later have children, and over the long term this could change the genetic characteristics of the population.

**ASK ALL:**

GEN1How much have you heard or read about this idea before today?

1 A lot

2 A little

3 Not at all

**ASK ALL:**

GEN2If you had a baby, do you think this gene-editing -- giving a much reduced risk of serious diseases and conditions over his or her lifetime -- is something that you, personally, would want for your baby or not something you would want for your baby?

1 Yes, I would definitely want this for my baby

2 Yes, I would probably want this for my baby

3 No, I would probably NOT want this for my baby

4 No, I would definitely NOT want this for my baby

**ASK ALL:**

GEN3Would you say MOST PEOPLE would want or would not want this gene-editing for their baby?

1 Yes, most people would want this for their baby

2 No, most people would NOT want this for their baby

**ASK ALL:**

GEN4Thinking about the possibility of this gene-editing giving HEALTHY babies a much reduced risk of serious diseases and conditions… **[FIXED ORDER OF ITEMS]**

1. How ENTHUSIASTIC are you, if at all, about this possibility for society as a whole?

1 Very enthusiastic

2 Somewhat enthusiastic

3 Not too enthusiastic

4 Not at all enthusiastic

b. How WORRIED are you, if at all, about this possibility for society as a whole?

1 Very worried

2 Somewhat worried

3 Not too worried

4 Not at all worried

**ASK ALL:**

Thinking about the possibility of this gene-editing giving HEALTHY babies a much reduced risk of serious diseases and conditions…

GEN5Which of these statements comes closer to your view, even if neither is exactly right? **[RANDOMIZE RESPONSE OPTIONS]**

1 As humans, we are always trying to better ourselves and this idea is no different

2 This idea is meddling with nature and crosses a line we should not cross

**ASK ALL:**

GEN6If this gene-editing become available, giving HEALTHY babies a much reduced risk of serious diseases and conditions, do you think the following are likely or not likely to happen as a result? **[RANDOMIZE ITEMS]**

a. People who have this gene-editing will be more productive at their jobs

1 Yes, likely

2 No, not likely

b. People who have this gene-editing will feel superior to people who do not

1 Yes, likely

2 No, not likely

c. This option will be used before we fully understand how it affects people’s health

1 Yes, likely

2 No, not likely

d. People who have this gene-editing will feel more confident and better about themselves

1 Yes, likely

2 No, not likely

e. Inequality will increase because this option will be available only for the wealthy

1 Yes, likely

2 No, not likely

f. Widespread use of this option will lead to new innovation and problem-solving in society

1 Yes, likely

2 No, not likely

**ASK ALL:**

GEN7Do you think using this gene-editing giving HEALTHY babies a much reduced risk of serious diseases and conditions is…

1 Morally acceptable

2 Morally UNacceptable

3 Not sure

**ASK IF THIS IS THE FIRST VIGNETTE SERIES FOR THE RESPONDENT; EACH RESPONDENT IS ASKED ONLY ONE OPEN-END**

GEN7OECan you explain a little about why you think this is morally acceptable, morally unacceptable, or something you are not sure about?

**[OPEN END; TEXT BOX]**

**ASK ALL:**

GEN8Would this gene-editing giving HEALTHY babies a much reduced risk of serious diseases and conditions be more acceptable, less acceptable, or would it make no difference in each of these circumstances? **[FIXED ORDER OF ITEMS]**

a. If people could choose which diseases and conditions are affected

1 More acceptable

2 Less acceptable

3 No difference

b. If the effects were permanent and could not be reversed

1 More acceptable

2 Less acceptable

3 No difference

c. If the effects were limited to that person and NOT passed on to future generations

1 More acceptable

2 Less acceptable

3 No difference

d. If it changed the genetic make-up of the whole population for the foreseeable future

1 More acceptable

2 Less acceptable

3 No difference

e. If it required testing on human embryos in order to develop these techniques

1 More acceptable

2 Less acceptable

3 No difference

**ASK ALL:**

GEN9Would you say this is an appropriate use of technology or taking technology too far if the effects were such that those who had this gene-editing were… **[FIXED ORDER OF ITEMS]**

a. Always EQUALLY HEALTHY as the average person today

1 An appropriate use of technology

2 Taking technology too far

b. MUCH HEALTHIER than the average person today

1 An appropriate use of technology

2 Taking technology too far

c. FAR HEALTHIER than any human known-to-date

1 An appropriate use of technology

2 Taking technology too far

**ASK ALL:**

GEN10If this gene-editing becomes available, giving HEALTHY babies a much reduced risk of serious diseases and conditions, how much, if at all, do you think society as a whole would change?

1 A great deal

2 Some

3 Not too much

4 Not at all

**ASK ALL:**

GEN11If this gene-editing becomes available giving HEALTHY babies a much reduced risk of serious diseases and conditions, do you think there would be…

1 More benefits for society than downsides

2 More downsides for society than benefits

3 About equal benefits and downsides for society

1. Open-end responses are excluded from public datasets to protect the confidentiality of ATP panelists. Lines across page designate a page break. [↑](#footnote-ref-1)