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

**WAVE 15 March**

**FINAL TOPLINE**

**March 2nd – March 28th, 2016**

**TOTAL N=4,726**

**WEB RESPONDENTS N=4,243**

**MAIL RESPONDENTS N=483[[1]](#footnote-1)**

**ASK FORM 1 [N=2,410]:**

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

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 67 | Mostly positive |
| 4 | Mostly negative |
| 27 | Equal positive and negative effects |
| 2 | No answer |
|  |  |

**ASK IF “MOSTLY POSITIVE” (SC1=1) [N=1,835]:**

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

**BASED ON (THOSE WHO SAID “MOSTLY POSITIVE”) N=1,835**

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 59 | Medicine/Health NET |
| 19 | Knowledge/Reasoning NET |
| 15 | Technology & Computerization NET |
| 14 | Environment and environmental awareness NET |
| 14 | Positive effect on life and society NET |
| 7 | Products and inventions NET |
| 6 | Food NET |
| 5 | Communication |
| 5 | Transportation/Infrastructure/Engineering NET |
| 4 | Space |
| 1 | Genes NET |
| 1 | Research (general) |
| 1 | Safety (general) |
| \* | Confirming creationism/bible teachings |
| \* | Military defense/strength |
| \* | Entertainment |
| \* | Commerce |
| \* | Depends on the way it’s used |
| \* | Science over government |
| 3 | General positive |
| \* | Mentions of negative effects (environment, warming) |
| \* | Other/Indecipherable |
| 11 | Don’t know/Not sure |

**ASK IF “MOSTLY NEGATIVE” (SC1=2):**

SC1NEG What are the main ways you think science has had a negative effect on society?

**BASED ON N = 60**

**OPEN-END; RESPONSES NOT SHOWN DUE TO SMALL SAMPLE SIZE**

**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?

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| N=2,316 |  |
| 52 | Mostly positive |
| 8 | Mostly negative |
| 38 | Equal positive and negative effects |
| 2 | No answer |
|  |  |

**ASK IF “MOSTLY POSITIVE” (TECH1=1) [N=1,332]:**

TECH1POS What are the main ways you think technology has had a positive effect on society?

**BASED ON (THOSE WHO SAID “MOSTLY POSITIVE”) N=1,332**

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 57 | Information access and sharing, ease, speed, and convenience of information NET |
| 21 | Health/Medicine NET |
| 11 | Improvements in industry and work NET |
| 10 | Increased knowledge/curiosity/understanding NET |
| 8 | Access and speed of media NET |
| 7 | Makes life/tasks easier NET |
| 7 | Interconnectedness of the world/globalization NET |
| 6 | Science/scientific advancements NET |
| 6 | References to specific devices/Internet NET |
| 5 | Transportation and infrastructure NET |
| 3 | Improvements in goods NET |
| 3 | Safety NET |
| 1 | Understanding of government/increased accountability |
| 1 | Helping us progress by doing what we can’t/extension of human limits |
| \* | Learning what isn’t taught in school, working to change these issues |
| 3 | General positive |
| \* | Mentions of negative effects (misuse of information, safety issues, tasks) NET |
| 2 | Other/Indecipherable |
| 11 | Don’t know/Not sure |
|  |  |

**ASK IF “MOSTLY NEGATIVE” (TECH1=2) [N=132]:**

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

**BASED ON (THOSE WHO SAID “MOSTLY NEGATIVE”) N=132**

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 41 | Loss of ability to communicate, interact NET |
| 28 | Degrades morals and values, promotes negativity NET |
| 20 | Inability to handle normal tasks because of dependence on devices NET |
| 16 | Misuse of information NET |
| 14 | References to specific devices/Internet NET |
| 6 | Safety issues (texting and driving) |
| 3 | Health problems |
| 1 | Pollution, environmental degradation |
| 3 | General negative |
| 1 | Mentions of positive effects (health/medicine) |
| 3 | Other/Indecipherable |
| 7 | Don’t know/Not sure |
|  |  |

**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]*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Mar 2-Mar 28  2016 | Rating of  0 to 33 | Rating of  34 to 66 | Rating of  67 to 100 | No  answer | Mean  rating |
| 1. Republicans | 34 | 41 | 23 | 2 | 45 |
| 1. Democrats | 28 | 38 | 32 | 2 | 51 |
| 1. Blacks | 9 | 39 | 51 | 1 | 67 |
| 1. Whites | 5 | 34 | 60 | 1 | 73 |
| 1. Hispanics | 8 | 39 | 52 | 2 | 68 |
| 1. Asians | 8 | 39 | 51 | 2 | 68 |
| 1. Elected officials in Washington (Form 1)   [N=2,410] | 49 | 39 | 11 | 2 | 35 |
| 1. People in the military (Form 1)   [N=2,410] | 5 | 16 | 78 | 1 | 83 |
| 1. Evangelical Christians(Form 2)   [N=2,316] | 21 | 38 | 39 | 2 | 58 |
| 1. Atheists (Form 2)   [N=2,316] | 28 | 44 | 26 | 2 | 49 |

**ASK FORM 1 [N=2,410]:**

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

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 64 | How someone thinks about politics says a lot about the kind of person they are |
| 33 | How someone thinks about politics doesn’t say much about the kind of person they are |
| 3 | No answer |
|  |  |

**ASK FORM 2 [N=2,316]:**

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

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 36 | It generally means that they won’t agree about other topics |
| 62 | It generally doesn’t say a lot about how much they’ll agree on other topics |
| 2 | No answer |
|  |  |

**ASK ALL:**

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

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 52 | Very different |
| 33 | Somewhat different |
| 10 | Not too different |
| 4 | Not at all different |
| 1 | No answer |
|  |  |

**ASK IF “Very-Not too different” (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]

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 94 | “Very/Somewhat/Not too different” |
| 55 | Bigger |
| 30 | About the same |
| 8 | Smaller |
| 1 | No answer |
| 4 | Not at all different |
| 1 | No answer |
|  |  |

**ASK ALL:**

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

|  |  |  |
| --- | --- | --- |
| Mar 2-Mar 28  2016 |  | Mar 10-Apr 6  2015[[2]](#footnote-2) |
| N=4,726 |  | N=3,147 |
| 57 | A lot | 26 |
| 28 | Some | 40 |
| 8 | Not much | 23 |
| 6 | None at all | 11 |
| 1 | No answer | \* |
|  |  |  |

**TREND FOR COMPARISON:**

*How much thought have you given to the coming presidential election?*

|  |  |
| --- | --- |
| Nov 24- Dec 21  2015 |  |
| N=4,787 |  |
| 43 | Quite a lot |
| 34 | Some |
| 14 | A Little |
| 8 | None |
| \* | No answer |
|  |  |

**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?

|  |  |  |
| --- | --- | --- |
| Mar 2-Mar 28  2016 |  | Nov 24-Dec 21  2015 |
| N=4,726 |  | N=4,787 |
| 65 | 1- Really matters who wins | 58 |
| 18 | 2 | 22 |
| 8 | 3 | 10 |
| 8 | 4 - Doesn’t really matter who wins | 8 |
| 1 | No answer | 1 |
|  |  |  |

**[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?

**BASED ON DEMOCRATIC AND DEMOCRATIC-LEANING REGISTERED VOTERS [N=1,999]:**

*First choice*

Nov 24-Aug 11-Mar 10-

Mar 2-28 Dec 21 Sept 8 Apr 6

2016 2015 2015 2015

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 45 | Hillary Clinton | 46 | 40 | 41 |
| 38 | Bernie Sanders | 30 | 21 | 2 |
| 4 | Other | 6 | 12 | 19 |
| 13 | No answer | 18 | 26 | 39 |

*Any choice (first, second or third choice)*

Nov 24-Aug 11-Mar 10-

Mar 2-28 Dec 21 Sept 8 Apr 6

2016 2015 2015 2015

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 68 | Hillary Clinton | 67 | 57 | 51 |
| 57 | Bernie Sanders | 45 | 31 | 4 |
| 8 | Other | 19 | 30 | 31 |
| 13 | No answer | 18 | 26 | 39 |

**ASK ALL:**

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

**BASED ON REPUBLICAN AND REPUBLICAN-LEANING REGISTERED VOTERS [N=1,779]:**

*First choice*

Nov 24-Aug 11-Mar 10-

Mar 2-28 Dec 21 Sept 8 Apr 6

2016 2015 2015 2015

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 38 | Donald Trump | 30 | 22 | 1 |
| 24 | Ted Cruz | 15 | 6 | 5 |
| 8 | John Kasich | 1 | 2 | \* |
| 8 | Marco Rubio | 12 | 4 | 4 |
| 3 | Ben Carson | 12 | 10 | 5 |
| 2 | Rand Paul | 3 | 3 | 5 |
| 1 | Jeb Bush | 4 | 9 | 8 |
| 4 | Other | 9 | 18 | 35 |
| 12 | No answer | 14 | 25 | 37 |

*Any choice (first, second or third choice)*

Nov 24-Aug 11-Mar 10-

Mar 2-28 Dec 21 Sept 8 Apr 6

2016 2015 2015 2015

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 49 | Donald Trump | 45 | 32 | 2 |
| 39 | Ted Cruz | 33 | 15 | 12 |
| 17 | John Kasich | 3 | 4 | 1 |
| 21 | Marco Rubio | 33 | 16 | 11 |
| 4 | Ben Carson | 30 | 22 | 10 |
| 2 | Rand Paul | 5 | 6 | 10 |
| 2 | Jeb Bush | 11 | 18 | 16 |
| 7 | Other | 24 | 38 | 47 |
| 12 | No answer | 14 | 25 | 37 |

**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]**?

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 25 | Definitely vote for the Republican |
| 19 | Probably vote for the Republican |
| 20 | Probably vote for the Democrat |
| 30 | Definitely vote for the Democrat |
| 6 | No answer |
|  |  |

**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?

|  |  |  |
| --- | --- | --- |
| Mar 2-Mar 28  2016 |  | Mar 19-Apr 29  2014[[3]](#footnote-3) |
| N=4,726 |  | N=3,308 |
| 23 | Nearly every day | 13 |
| 35 | A few times a week | 29 |
| 18 | A few times a month | 26 |
| 23 | Less often | 32 |
| 1 | No answer | \* |
|  |  |  |

**ASK ALL:**

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

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 13 | A lot |
| 35 | Some |
| 33 | Not much |
| 19 | Not at all |
| 1 | No answer |
|  |  |

**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]

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 51 | Interesting and informative |
| 46 | Stressful and frustrating |
| 2 | No answer |
|  |  |

**ASK ALL:**

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

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 36 | You have more in common politically than you thought |
| 61 | You have less in common politically than you thought |
| 3 | No answer |
|  |  |

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

**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][[4]](#footnote-4)**

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 24 | 10- Very liberal |
| 7 | 9 |
| 13 | 8 |
| 14 | 7 |
| 9 | 6 |
| 17 | 5 |
| 3 | 4 |
| 3 | 3 |
| 2 | 2 |
| 1 | 1 |
| 4 | 0- Very conservative |
| 2 | No answer |
|  |  |

**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]**

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 4 | 10- Very liberal |
| 1 | 9 |
| 2 | 8 |
| 4 | 7 |
| 4 | 6 |
| 15 | 5 |
| 8 | 4 |
| 14 | 3 |
| 15 | 2 |
| 9 | 1 |
| 21 | 0- Very conservative |
| 3 | No answer |
|  |  |

**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]**

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 8 | 10- Very liberal |
| 4 | 9 |
| 8 | 8 |
| 8 | 7 |
| 7 | 6 |
| 21 | 5 |
| 8 | 4 |
| 7 | 3 |
| 9 | 2 |
| 5 | 1 |
| 12 | 0- Very conservative |
| 3 | No answer |
|  |  |

**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*

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 14 | Will definitely happen |
| 52 | Will probably happen |
| 28 | Will probably NOT happen |
| 5 | Will definitely NOT happen |
| 1 | No answer |
|  |  |

*b*. *Computer chips will be routinely embedded in our bodies*

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 11 | Will definitely happen |
| 43 | Will probably happen |
| 35 | Will probably NOT happen |
| 10 | Will definitely NOT happen |
| 1 | No answer |
|  |  |

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

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 8 | Will definitely happen |
| 40 | Will probably happen |
| 43 | Will probably NOT happen |
| 7 | Will definitely NOT happen |
| 1 | No answer |
|  |  |

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

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 7 | Will definitely happen |
| 40 | Will probably happen |
| 44 | Will probably NOT happen |
| 9 | Will definitely NOT happen |
| 1 | No answer |
|  |  |

**FUTURE CONTINUED…**

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

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 18 | Will definitely happen |
| 64 | Will probably happen |
| 16 | Will probably NOT happen |
| 2 | Will definitely NOT happen |
| 1 | No answer |
|  |  |

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

**ASK ALL:**

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

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 23 | NET More moral |
| 5 | A lot more moral |
| 18 | Somewhat more moral |
| 55 | About the same |
| 20 | NET more IMmoral |
| 13 | Somewhat more IMmoral |
| 7 | A lot more IMmoral |
| 2 | No Answer |
|  |  |

**ASK ALL:**

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

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 29 | NET more hard-working |
| 9 | A lot more hard-working |
| 19 | Somewhat more hard-working |
| 59 | About the same |
| 10 | NET more lazy |
| 7 | Somewhat more lazy |
| 3 | A lot more lazy |
| 2 | No Answer |
|  |  |

**ASK ALL:**

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

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 15 | NET more open-minded |
| 4 | A lot more open-minded |
| 11 | Somewhat more open-minded |
| 37 | About the same |
| 47 | NET more closed-minded |
| 28 | Somewhat more closed-minded |
| 19 | A lot more closed-minded |
| 2 | No answer |
|  |  |

**ASK ALL:**

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

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 17 | NET more honest |
| 4 | A lot more honest |
| 12 | Somewhat more honest |
| 58 | About the same |
| 24 | NET more DIShonest |
| 15 | Somewhat more DIShonest |
| 8 | A lot more DIShonest |
| 2 | No answer |
|  |  |

**ASK ALL:**

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

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 18 | NET more intelligent |
| 5 | A lot more intelligent |
| 14 | Somewhat more intelligent |
| 60 | About the same |
| 19 | NET more UNintelligent |
| 13 | Somewhat more UNintelligent |
| 6 | A lot more UNintelligent |
| 2 | No answer |
|  |  |

**ASK ALL:**

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

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 18 | NET more moral |
| 6 | A lot more moral |
| 13 | Somewhat more moral |
| 57 | About the same |
| 22 | NET more IMmoral |
| 14 | Somewhat more IMmoral |
| 8 | A lot more IMmoral |
| 2 | No answer |
|  |  |

**ASK ALL:**

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

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| N=4,726 |  |
| 18 | NET more hard-working |
| 7 | A lot more hard-working |
| 10 | Somewhat hard-working |
| 59 | About the same |
| 21 | NET more lazy |
| 15 | Somewhat more lazy |
| 6 | A lot more lazy |
| 2 | No answer |
|  |  |

**ASK ALL:**

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

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 38 | NET more open-minded |
| 12 | A lot more open-minded |
| 26 | Somewhat more open-minded |
| 35 | About the same |
| 25 | NET more closed-minded |
| 14 | Somewhat more closed-minded |
| 11 | A lot more closed-minded |
| 2 | No answer |
|  |  |

**ASK ALL:**

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

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 17 | NET more honest |
| 5 | A lot more honest |
| 11 | Somewhat more honest |
| 60 | About the same |
| 21 | NET more DIShonest |
| 12 | Somewhat more DIShonest |
| 9 | A lot more DIShonest |
| 2 | No answer |
|  |  |

**ASK ALL:**

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

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 21 | NET more intelligent |
| 7 | A lot more intelligent |
| 15 | Somewhat more intelligent |
| 62 | About the same |
| 15 | NET more UNintelligent |
| 11 | Somewhat more Unintelligent |
| 4 | A lot more Unintelligent |
| 2 | No answer |
|  |  |

**[PROGRAMMING NOTE: RANDOMIZE ORDER OF REPDESC AND DESCDEM]**

**ASK ALL:**

DESCREP Would you say the term Republican describes you…

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 35 | NET Well |
| 8 | Very well |
| 27 | Fairly well |
| 63 | NET NOT well |
| 29 | Not too well |
| 34 | Not at all well |
| 2 | No answer |
|  |  |

**ASK ALL:**

DESCDEM Would you say the term Democrat describes you…

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 41 | NET Well |
| 11 | Very well |
| 30 | Fairly well |
| 57 | NET NOT well |
| 27 | Not too well |
| 30 | Not at all well |
| 2 | No answer |
|  |  |

**ASK ALL:**

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

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 6 | Almost always |
| 21 | More than half of the time |
| 24 | About half of the time |
| 26 | Less than half of the time |
| 22 | Almost never |
| 2 | No answer |
|  |  |

**ASK ALL:**

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

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 8 | Almost always |
| 25 | More than half of the time |
| 25 | About half of the time |
| 22 | Less than half of the time |
| 20 | Almost never |
| 2 | No answer |
|  |  |

**ASK ALL:**

FAMILYRD Now thinking back to when you were growing up, would you say your close family …

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 22 | Almost always supported Democratic candidates |
| 25 | Mostly supported Democratic candidates |
| 18 | Mostly supported Republican candidates |
| 14 | Almost always supported Republican candidates |
| 19 | None of the above |
| 2 | No answer |
|  |  |

**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:**

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?

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 6 | A lot |
| 32 | A little |
| 61 | Not at all |
| 2 | No answer |
|  |  |

**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?

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 10 | Yes, I would definitely want this |
| 23 | Yes, I would probably want this |
| 32 | No, I would probably NOT want this |
| 33 | No, I would definitely NOT want this |
| 2 | No answer |
|  |  |

**ASK ALL:**

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

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 36 | Yes, most people would want this |
| 61 | No, most people would NOT want this |
| 4 | No answer |
|  |  |

**ASK ALL:**

CHIP4 Thinking about the possibility of an implanted device giving HEALTHY people a much improved ability to concentrate and process information…

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

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 9 | Very enthusiastic |
| 25 | Somewhat enthusiastic |
| 33 | Not too enthusiastic |
| 31 | Not at all enthusiastic |
| 2 | No answer |
|  |  |

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

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 28 | Very worried |
| 41 | Somewhat worried |
| 21 | Not too worried |
| 8 | Not at all worried |
| 2 | No answer |
|  |  |

**ASK ALL:**

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

CHIP5 Which of these statements comes closer to your view, even if neither is exactly right?

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 46 | As humans, we are always trying to better ourselves and this idea is no different |
| 51 | This idea is meddling with nature and crosses a line we should not cross |
| 3 | No answer |
|  |  |

**ASK ALL:**

CHIP6 If 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**]

|  |  |  |  |
| --- | --- | --- | --- |
|  | Yes, likely | No, not likely | No  answer |
| a. People who have these implanted devices will be more productive at their jobs |  |  |  |
| Mar 2-Mar 28, 2016 | 55 | 41 | 5 |
|  |  |  |  |
| b. People who have these implanted devices will feel superior to people who do not |  |  |  |
| Mar 2-Mar 28, 2016 | 71 | 26 | 4 |
|  |  |  |  |
| c. This option will be used before we fully understand how it affects people’s health |  |  |  |
| Mar 2-Mar 28, 2016 | 74 | 23 | 3 |
|  |  |  |  |
| d. People who have these implanted devices will feel more confident and better about themselves |  |  |  |
| Mar 2-Mar 28, 2016 | 64 | 32 | 4 |
|  |  |  |  |
| e. Inequality will increase because this option will be available only for the wealthy |  |  |  |
| Mar 2-Mar 28, 2016 | 73 | 24 | 3 |
|  |  |  |  |
| f. Widespread use of this option will  lead to new innovation and  problem-solving in society |  |  |  |
| Mar 2-Mar 28, 2016 | 51 | 44 | 4 |
|  |  |  |  |

**ASK ALL:**

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

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 23 | Morally acceptable |
| 37 | Morally UNacceptable |
| 38 | Not sure |
| 3 | No answer |
|  |  |

**ASK IF THIS IS THE FIRST VIGNETTE SERIES FOR THE RESPONDENT:**

CHIP7OE Can you explain a little about why you think [an implanted device giving HEALTHY people a much improved ability to concentrate and process information] is morally acceptable, morally unacceptable, or something you are not sure about?

Percent of cases among those saying this is morally acceptable, morally unacceptable, or

not sure

[Coded from open end, verbatim responses]

|  |  |  |  |
| --- | --- | --- | --- |
|  | Among those saying  “Morally acceptable” | Among those saying  “Unacceptable” | Among those saying  “Not sure” |
|  | N=352 | N=626 | N=662 |
|  | % | % | % |
| Humans are always improving and should be bettering ourselves NET | 25 | \* | 3 |
| Should be free choice, up to individual NET | 17 | 3 | 2 |
| Similar to current enhancements NET | 16 | \* | 1 |
| Positive effect on society, health and jobs NET | 10 | \* | 2 |
| God gave us the means and brains to innovate | \* | \* | 0 |
| General positive comments | 6 | 0 | 1 |
|  |  |  |  |
| References to the Bible; changing God’s plan NET | 1 | 21 | 6 |
| Disrupting nature; a line we should not cross NET | 0 | 19 | 7 |
| Could be controlled/used for bad motives NET | 4 | 17 | 8 |
| Unnecessary; not needed for healthy people NET | 1 | 13 | 7 |
| Unfair advantage/would widen the gaps NET | 4 | 10 | 6 |
| Unintended consequences/side effects NET | 1 | 6 | 5 |
| Loss of individuality, humanity NET | 2 | 7 | 3 |
| Negative societal effect NET | 5 | 3 | 1 |
| Should focus efforts on other issues | 0 | \* | 1 |
| Need consent, rules to regulate NET | \* | \* | \* |
| General negative comments | 0 | 3 | 2 |
|  |  |  |  |
| Need more information/Conflicted NET | 3 | 1 | 12 |
| Not a moral issue, not morally unacceptable NET | 10 | 2 | 6 |
| Depends on conditions/consequences NET | 3 | 1 | 3 |
| Not a believer | 2 | 0 | 0 |
|  |  |  |  |
| Other/Indecipherable | 5 | 2 | 4 |
| Don’t know/Not sure | 20 | 19 | 39 |

**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?

*a. If people could turn on and off the effects*

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 32 | More acceptable |
| 16 | Less acceptable |
| 49 | No difference |
| 3 | No answer |
|  |  |

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

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 8 | More acceptable |
| 51 | Less acceptable |
| 38 | No difference |
| 3 | No answer |
|  |  |

**ASK ALL:**

CHIP9 Would 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…

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

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 47 | An appropriate use of technology |
| 50 | Taking technology too far |
| 3 | No answer |
|  |  |

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

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 39 | An appropriate use of technology |
| 57 | Taking technology too far |
| 4 | No answer |
|  |  |

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

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 30 | An appropriate use of technology |
| 67 | Taking technology too far |
| 3 | No answer |
|  |  |

**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?

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 48 | A great deal |
| 31 | Some |
| 10 | Not too much |
| 8 | Not at all |
| 3 | No answer |
|  |  |

**ASK ALL:**

CHIP11 If these implanted devices become available giving HEALTHY people a much improved ability to concentrate and process information, do you think there would be …

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 25 | More benefits for society than downsides |
| 41 | More downsides for society than benefits |
| 31 | About equal benefits and downsides for society |
| 4 | No answer |
|  |  |

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

**ASK ALL:**

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:**

STR1How much have you heard or read about this idea before today?

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 3 | A lot |
| 19 | A little |
| 77 | Not at all |
| 1 | No answer |
|  |  |

**ASK ALL:**

STR2In 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?

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 11 | Yes, I would definitely want this |
| 24 | Yes, I would probably want this |
| 35 | No, I would probably NOT want this |
| 28 | No, I would definitely NOT want this |
| 2 | No answer |
|  |  |

**ASK ALL:**

STR3Would you say MOST PEOPLE would want or would not want this synthetic blood substitute?

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 44 | Yes, most people would want this |
| 53 | No, most people would NOT want this |
| 3 | No answer |
|  |  |

**ASK ALL:**

STR4Thinking about the possibility of this synthetic blood substitute giving HEALTHY people much greater speed, strength and stamina …

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

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 10 | Very enthusiastic |
| 27 | Somewhat enthusiastic |
| 34 | Not too enthusiastic |
| 27 | Not at all enthusiastic |
| 2 | No answer |
|  |  |

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

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 20 | Very worried |
| 42 | Somewhat worried |
| 26 | Not too worried |
| 9 | Not at all worried |
| 2 | No answer |
|  |  |

**ASK ALL:**

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

STR5 Which of these statements comes closer to your view, even if neither is exactly right?

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 48 | As humans, we are always trying to better ourselves and this idea is no different |
| 49 | This idea is meddling with nature and crosses a line we should not cross |
| 3 | No answer |
|  |  |

**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]**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Yes, likely | No, not likely | No  answer |
| a. People who have a transfusion with this synthetic blood substitute will be more productive at their jobs |  |  |  |
| Mar 2-Mar 28, 2016 | 46 | 51 | 4 |
|  |  |  |  |
| b. People who have a transfusion with this synthetic blood substitute will feel superior to people who do not |  |  |  |
| Mar 2-Mar 28, 2016 | 63 | 34 | 3 |
|  |  |  |  |
| c. This option will be used before we fully understand how it affects people’s health |  |  |  |
| Mar 2-Mar 28, 2016 | 73 | 24 | 3 |
|  |  |  |  |
| d. People who have a transfusion with this synthetic blood substitute will feel more confident and better about themselves |  |  |  |
| Mar 2-Mar 28, 2016 | 61 | 35 | 4 |
|  |  |  |  |
| e. Inequality will increase because this option will be available only for the wealthy |  |  |  |
| Mar 2-Mar 28, 2016 | 70 | 27 | 3 |
|  |  |  |  |
| f. Widespread use of this option will  lead to new innovation and problem  solving in society |  |  |  |
| Mar 2-Mar 28, 2016 | 39 | 58 | 3 |
|  |  |  |  |

**ASK ALL:**

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

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 22 | Morally acceptable |
| 35 | Morally UNacceptable |
| 41 | Not sure |
| 2 | No answer |
|  |  |

ASK IF THIS IS THE FIRST VIGNETTE SERIES FOR THE RESPONDENT:

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

Percent of cases among those saying this is morally acceptable, morally

unacceptable, or not sure

[Coded from open end, verbatim responses]

|  |  |  |  |
| --- | --- | --- | --- |
|  | Among those saying  “Morally acceptable” | Among those saying  “Unacceptable” | Among those saying  “Not sure” |
|  | N=347 | N=433 | N=621 |
|  | % | % | % |
| Humans are always improving and should be bettering ourselves NET | 25 | \* | 2 |
| Similar to current enhancements NET | 19 | 9 | 6 |
| Positive effect on society, health and jobs NET | 16 | 1 | 3 |
| Should be free choice, up to individual NET | 12 | \* | 4 |
| God gave us the means and brains to innovate | 3 | \* | 1 |
| General positive comments | 5 | 0 | \* |
|  |  |  |  |
| Disrupting nature; a line we should not cross NET | \* | 25 | 7 |
| References to the Bible; changing God’s plan NET | 3 | 20 | 6 |
| Unnecessary; not needed for healthy people NET | 3 | 17 | 7 |
| Could be controlled/used for bad motives NET | 1 | 10 | 5 |
| Unfair advantage/would widen the gaps NET | 8 | 10 | 9 |
| Unintended consequences/side effects NET | 3 | 9 | 8 |
| Negative societal effect NET | 5 | 6 | 5 |
| Loss of individuality, humanity NET | 1 | 2 | \* |
| Need consent, rules to regulate NET | 1 | \* | 2 |
| Should focus efforts on other issues | 0 | 1 | \* |
| General negative comments | 0 | 2 | 1 |
|  |  |  |  |
| Need more information/Conflicted NET | 6 | 1 | 18 |
| Depends on conditions/consequences NET | 4 | 1 | 8 |
| Not a moral issue, not morally unacceptable NET | 15 | 2 | 5 |
| Not a believer | \* | 0 | 0 |
|  |  |  |  |
| Other/Indecipherable | 1 | 1 | 1 |
| Don’t know/Not sure | 11 | 18 | 33 |

**ASK ALL:**

STR8 Would using 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?

*a. If people could turn on and off the effects*

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 28 | More acceptable |
| 17 | Less acceptable |
| 53 | No difference |
| 3 | No answer |
|  |  |

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

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 9 | More acceptable |
| 48 | Less acceptable |
| 40 | No difference |
| 3 | No answer |
|  |  |

**ASK ALL:**

STR9 Would 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 …

*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*

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 47 | An appropriate use of technology |
| 50 | Taking technology too far |
| 3 | No answer |
|  |  |

*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*

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 37 | An appropriate use of technology |
| 59 | Taking technology too far |
| 4 | No answer |
|  |  |

**STR9 CONTINUED…**

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

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 28 | An appropriate use of technology |
| 69 | Taking technology too far |
| 4 | No answer |
|  |  |

**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?

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 38 | A great deal |
| 38 | Some |
| 14 | Not too much |
| 8 | Not at all |
| 3 | No answer |
|  |  |

**ASK ALL:**

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

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 22 | More benefits for society than downstairs |
| 41 | More downsides for society than benefits |
| 34 | About equal benefits and downsides for society |
| 3 | No answer |
|  |  |

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

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?

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 9 | A lot |
| 48 | A little |
| 42 | Not at all |
| 1 | No answer |
|  |  |

**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?

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 16 | Yes, I would definitely want this for my baby |
| 32 | Yes, I would probably want this for my baby |
| 28 | No, I would probably NOT want this for my baby |
| 21 | No, I would definitely NOT want this for my baby |
| 2 | No answer |
|  |  |

**ASK ALL:**

GEN3 Would you say MOST PEOPLE would want or would not want this gene-editing for their baby?

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 55 | Yes, most people would want this for their baby |
| 42 | No, most people would NOT want this for their baby |
| 3 | No answer |
|  |  |

**ASK ALL:**

GEN4Thinking about the possibility of this gene-editing giving HEALTHY babies a much reduced risk of serious diseases and conditions…

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

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 15 | Very enthusiastic |
| 34 | Somewhat enthusiastic |
| 30 | Not too enthusiastic |
| 19 | Not at all enthusiastic |
| 2 | No answer |
|  |  |

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

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 22 | Very worried |
| 46 | Somewhat worried |
| 23 | Not too worried |
| 8 | Not at all worried |
| 2 | No answer |
|  |  |

**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]**

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 51 | As humans, we are always trying to better ourselves and this idea is no different. |
| 46 | This idea is meddling with nature and crosses a line we should not cross. |
| 3 | No answer |
|  |  |

**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]**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Yes, likely | No, not likely | No  answer |
| a. People who have this gene-editing will be more productive at their jobs |  |  |  |
| Mar 2-Mar 28, 2016 | 32 | 64 | 4 |
|  |  |  |  |
| b. People who have this gene-editing will feel superior to people who do not |  |  |  |
| Mar 2-Mar 28, 2016 | 53 | 44 | 3 |
|  |  |  |  |
| c. This option will be used before we fully understand how it affects people’s health |  |  |  |
| Mar 2-Mar 28, 2016 | 73 | 24 | 3 |
|  |  |  |  |
| d. People who have this gene-editing will feel more confident and better about themselves |  |  |  |
| Mar 2-Mar 28, 2016 | 52 | 44 | 4 |
|  |  |  |  |
| e. Inequality will increase because this option will be available only for the wealthy |  |  |  |
| Mar 2-Mar 28, 2016 | 70 | 27 | 3 |
|  |  |  |  |
| f. Widespread use of this option will  lead to new innovation and problem-  solving in society |  |  |  |
| Mar 2-Mar 28, 2016 | 45 | 51 | 3 |
|  |  |  |  |

**ASK ALL:**

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

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 28 | Morally acceptable |
| 30 | Morally UNacceptable |
| 40 | Not sure |
| 2 | No answer |
|  |  |

**ASK IF THIS IS THE FIRST VIGNETTE SERIES FOR THE RESPONDENT:**

GEN7OE Can you explain a little about why you think [using this gene editing giving HEALTHY babies a much reduce risk of serious diseases and conditions] is morally acceptable, morally unacceptable, or something you are not sure about?

Percent of cases among those saying this is morally acceptable, morally unacceptable, or

not sure

[Coded from open end, verbatim responses]

|  |  |  |  |
| --- | --- | --- | --- |
|  | Among those saying  “Morally acceptable” | Among those saying  “Unacceptable” | Among those saying  “Not sure” |
|  | N=475 | N=430 | N=728 |
|  | % | % | % |
| Humans are always improving and should be bettering ourselves NET | 32 | 1 | 2 |
| Positive effect on society, health and jobs NET | 21 | 1 | 4 |
| Similar to current enhancements NET | 8 | 4 | 2 |
| God gave us the means and brains to innovate | 5 | 0 | 1 |
| Should be free choice, up to individual NET | 4 | \* | 1 |
| General positive comments | 3 | 0 | \* |
|  |  |  |  |
| References to the Bible; changing God’s plan NET | 1 | 34 | 9 |
| Disrupting nature; a line we should not cross NET | 3 | 26 | 11 |
| Could be controlled/used for bad motives NET | 3 | 9 | 5 |
| Unintended consequences/side effects NET | 4 | 8 | 10 |
| Unnecessary; not needed for healthy people NET | 8 | 5 | 4 |
| Unfair advantage/would widen the gaps NET | 5 | 4 | 4 |
| Negative societal effect NET | 3 | 4 | 3 |
| Loss of individuality, humanity NET | \* | 4 | 1 |
| Need consent, rules to regulate NET | 1 | 1 | 2 |
| Should focus efforts on other issues | 1 | 1 | \* |
| General negative comments | 0 | 3 | 2 |
|  |  |  |  |
| Need more information/Conflicted NET | 5 | 2 | 14 |
| Depends on conditions/consequences NET | 4 | 2 | 7 |
| Not a moral issue, not morally unacceptable NET | 6 | \* | 2 |
| Not a believer | 1 | \* | \* |
|  |  |  |  |
| Other/Indecipherable | 3 | 2 | 1 |
| Don’t know/Not sure | 11 | 27 | 41 |
|  |  |  |  |

**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?

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

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 41 | More acceptable |
| 17 | Less acceptable |
| 39 | No difference |
| 3 | No answer |
|  |  |

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

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 19 | More acceptable |
| 37 | Less acceptable |
| 41 | No difference |
| 3 | No answer |
|  |  |

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

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 34 | More acceptable |
| 23 | Less acceptable |
| 40 | No difference |
| 3 | No answer |
|  |  |

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

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 17 | More acceptable |
| 49 | Less acceptable |
| 31 | No difference |
| 3 | No answer |
|  |  |

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

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 11 | More acceptable |
| 54 | Less acceptable |
| 32 | No difference |
| 3 | No answer |
|  |  |

**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 …

*a. Always EQUALLY HEALTHY as the average person today*

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 54 | An appropriate use of technology |
| 43 | Taking technology too far |
| 3 | No answer |
|  |  |

*b. MUCH HEALTHIER than the average person today*

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 52 | An appropriate use of technology |
| 45 | Taking technology too far |
| 4 | No answer |
|  |  |

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

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 42 | An appropriate use of technology |
| 54 | Taking technology too far |
| 4 | No answer |
|  |  |

**ASK ALL:**

GEN10 If 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?

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 46 | A great deal |
| 35 | Some |
| 10 | Not too much |
| 6 | Not at all |
| 2 | No answer |
|  |  |

**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 …

|  |  |
| --- | --- |
| Mar 2-Mar 28  2016 |  |
| 36 | More benefits for society than downsides |
| 28 | More downsides for society than benefits |
| 33 | About equal benefits and downsides for society |
| 3 | No answer |
|  |  |

1. Question wording in this topline is that from the web version of the survey. Question wording and format was adapted for the paper questionnaire delivered by mail; this questionnaire is available on request. All questions asked in both modes unless noted. [↑](#footnote-ref-1)
2. W10 (March 10 – April 6, 2014) had a minor difference in question wording: “How much thought, if any, have you given to candidates who may be running for president in 2016?” [↑](#footnote-ref-2)
3. In Wave 1 (Mar 19-Apr 29, 2014), 407 non- Internet panelists were surveyed by phone. [↑](#footnote-ref-3)
4. Responses to IDEODEM, IDEOREP, and IDEOSELF were recoded for the half-sample that received “10- very conservative” and “0- very liberal” to match the reverse order. [↑](#footnote-ref-4)