US Climate Survey: Revisions and Comments based on Pilot 3 Insights

Table of contents

[Welcome Message 1](#_Toc66714741)

[Block 1: Socio-demographics 2](#_Toc66714742)

[Block 2: Household composition and energy characteristics 14](#_Toc66714743)

[Block 3: Essay: climate change 18](#_Toc66714744)

[Block 4: Treatment information and feedback 18](#_Toc66714745)

[**Local climate video** 18](#_Toc66714746)

[**Policy video** 20](#_Toc66714747)

[Block 5: Climate knowledge 21](#_Toc66714748)

[Block 6: Climate Change (attitudes and risks) 26](#_Toc66714749)

[Block 7: Policy 1: emission limit for cars 30](#_Toc66714750)

[Block 8: Policy 2: green infrastructure program 34](#_Toc66714751)

[Block 9: Policy 3: carbon tax with cash transfers 37](#_Toc66714752)

[Block 10: Preferences on climate policies 40](#_Toc66714753)

[Block 11: WTP 44](#_Toc66714754)

[Block 12: International burden-sharing 45](#_Toc66714755)

[Block 13: Housing/Preference for bans vs. incentives 50](#_Toc66714756)

[Block 14: Trust, perceptions of institutions, inequality, and the future 53](#_Toc66714757)

[Block 15: Political views and media consumption 55](#_Toc66714758)

[Block 16: Politics – additional questions 56](#_Toc66714759)

[Block 17: Feedback 59](#_Toc66714760)

## Block 0: Introduction message

This is a survey conducted for academic research purposes by researchers from Harvard University and the OECD. It will take approximately **25 minutes** to complete. The survey data is used for research purposes only, and the research is non-partisan. You will be compensated for this survey if you complete the survey and your responses pass our survey quality checks. These checks use statistical control methods to detect incoherent and rushed responses. It is very important for the validity of our research that you **answer honestly**and **read the questions carefully** before answering.    
 You should know the following: The survey collects personal data, including socio-demographic characteristics and political views. All of the answers you provide will remain anonymous and be treated with absolute confidentiality. The personal data we collect will be transferred and stored on secure servers. Only researchers working on the project will have access to the anonymized data. Your participation in this survey is completely voluntary. You are entitled to choose not to take part. If at first you agree to take part, you can later change your mind. Your decision will not be held against you in any way. Your refusal to participate will not result in any consequences or any loss of benefits that you are otherwise entitled to receive. You can ask any questions before you decide whether to participate.     If you have questions, concerns, or complaints, or think the research has offended you, you can contact the research team at social.economics.research2020@gmail.com or call the Harvard University Area Institutional Review Board (“IRB”) at (617) 496-2847. The OECD is committed to protecting the personal data it processes, in accordance with its Personal Data Protection Rules (<https://www.oecd.org/general/data-protection.htm>). If you have further queries or complaints related to the processing of your personal data, please contact the Data Protection Officer ([DPO@oecd.org](http://DPO@oecd.org)). If you need further assistance in resolving claims related to personal data protection you can contact the Data Protection Commissioner ([DPC@oecd.org](http://DPC@oecd.org)).   
    
**Do you agree to participate in the survey?**

* Yes (1)
* No (2)

End of Block: Welcome

## Block 1: Socio-demographics

Q2.1 What is your gender?

* Female (1)
* Male (2)
* Other (3)

Q2.2 How old are you?

* Below 18 (27)
* 18 to 24 (28)
* 25 to 34 (29)
* 35 to 49 (30)
* 50 to 64 (31)
* 65 or above (32)

Q2.4 What is your ZIPcode?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Q2.5 Do you live in aruralor an urbanarea? I live in:

* A rural area (1)
* A small town (5,000 – 20,000 inhabitants) (2)
* A large town (20,000 – 50,000 inhabitants) (3)
* A small city (50,000 – 250,000 inhabitants) (5)
* A medium-sized city (250,000 – 3,000,000 inhabitants) (7)
* A large city (more than 3 million inhabitants) (8)

Q2.6 What race or ethnicity do you identify with? (Multiple answers are possible)

* White (1)
* Black or African American (2)
* Hispanic (8)
* Asian (4)
* American Indian or Alaskan Native (3)
* Native Hawaiian or Pacific Islander (5)
* Other (6) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Prefer not to say (7)

Q2.14 What was the annualincomeofyourhouseholdin 2019 (before withholding tax, for you and those who live with you)?

* less than $35,000 (5)
* between $35,000 and $70,000 (6)
* between $70,000 and $120,000 (8)
* more than $120,000 (9)

Q2.16 What is theestimatedvalueofyourassets, or the assets of your household if you are married (in U.S. dollars)? Include here all your possessions (home, car, savings, etc.) net of debt. For example, if you own a house worth $300,000 and you have $100,000 left to repay on your mortgage, your assets are $200,000.  
  
  
I estimate my assets net of debt to be:

* Less than $0 (I have a net debt) (1)
* Close to $0 (6)
* Between $4,000 and $120,000 (2)
* Between $120,000 and $380,000 (3)
* More than $380,000 (4)

Q2.8 What is the highestlevelofeducation you have completed?

* No schooling completed (1)
* Primary school (2)
* Lower secondary school (3)
* Vocational degree (4)
* High school (5)
* College degree (6)
* Master's degree or above (7)

Q2.9 What is your employment status?

* Full-time employed (2)
* Part-time employed (3)
* Self-employed (4)
* Student (6)
* Retired (7)
* Unemployed (searching for a job) (5)
* Inactive (not searching for a job) (8)

Display This Question:

If What is your employment status? = Full-time employed

Or What is your employment status? = Part-time employed

Or What is your employment status? = Self-employed

Or What is your employment status? = Retired

Or What is your employment status? = Unemployed (searching for a job)

Or What is your employment status? = Inactive (not searching for a job)

Q2.10 Which category best describes your main occupation (or last one if not currently employed)?

* Manager or independent (e.g. manager, executive, health or independent professional, teacher, lawyer, architect, researcher, artist...) (6)
* Clerical support or services (e.g. caring, sales, leisure, administrative...) (1)
* Skilled work (e.g. craft worker, plants and machine operator, farmer...) (2)
* Manual operations (e.g. cleaning, agriculture, delivery, transport, military...) (3)
* None of the above (5)

Display This Question:

If What is your employment status? = Full-time employed

Or What is your employment status? = Part-time employed

Or What is your employment status? = Self-employed

Or What is your employment status? = Retired

Or What is your employment status? = Unemployed (searching for a job)

Or What is your employment status? = Inactive (not searching for a job)

Q2.11 What is (or was) your primary lineofbusiness?

* Retail or Wholesale (1)
* Transport (8)
* Business, Finance, Insurance, Real Estate or other related services (2)
* Manufacturing, Mining or Construction (3)
* Agriculture, Forestry or Fishing (9)
* Hospitality, Catering or Leisure Services (4)
* Health or Social Care (5)
* Public Sector or Education (6)
* None of the above/Other (please specify) (7) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Skip To: Q2.13 If What is (or was) your primary line of business? = Hospitality, Catering or Leisure Services

Skip To: Q2.13 If What is (or was) your primary line of business? = Health or Social Care

Skip To: Q2.13 If What is (or was) your primary line of business? = None of the above/Other (please specify)

Display This Question:

If What is your employment status? = Full-time employed

Or What is your employment status? = Part-time employed

Or What is your employment status? = Self-employed

Or What is your employment status? = Retired

Or What is your employment status? = Unemployed (searching for a job)

Or What is your employment status? = Inactive (not searching for a job)

Q2.12 What is (or was) your specific primaryline of business?

Display This Choice:

If What is (or was) your primary line of business? = Retail or Wholesale

* Retail or wholesale of motor vehicles (1)

Display This Choice:

If What is (or was) your primary line of business? = Retail or Wholesale

* Retail or wholesale of iron, steel, chemical products or refined oil products. (2)

Display This Choice:

If What is (or was) your primary line of business? = Retail or Wholesale

* Retail or wholesale of agricultural or food products (3)

Display This Choice:

If What is (or was) your primary line of business? = Retail or Wholesale

* Other retail or wholesale (4)

Display This Choice:

If What is (or was) your primary line of business? = Business, Finance, Insurance, Real Estate or other related services

* Business or financial services (7)

Display This Choice:

If What is (or was) your primary line of business? = Business, Finance, Insurance, Real Estate or other related services

* Insurance (8)

Display This Choice:

If What is (or was) your primary line of business? = Business, Finance, Insurance, Real Estate or other related services

* Real estate (9)

Display This Choice:

If What is (or was) your primary line of business? = Business, Finance, Insurance, Real Estate or other related services

* Other related services (10)

Display This Choice:

If What is (or was) your primary line of business? = Transport

* Mostly transport by road (5)

Display This Choice:

If What is (or was) your primary line of business? = Transport

* Other transport (6)

Display This Choice:

If What is (or was) your primary line of business? = Manufacturing, Mining or Construction

* Manufacturing of iron, steel, metal, or mineral products (11)

Display This Choice:

If What is (or was) your primary line of business? = Manufacturing, Mining or Construction

* Manufacturing of refined oil products (12)

Display This Choice:

If What is (or was) your primary line of business? = Manufacturing, Mining or Construction

* Manufacturing of chemicals (13)

Display This Choice:

If What is (or was) your primary line of business? = Manufacturing, Mining or Construction

* Manufacturing of motor vehicles and other transport equipment (14)

Display This Choice:

If What is (or was) your primary line of business? = Manufacturing, Mining or Construction

* Manufacturing of other machinery (15)

Display This Choice:

If What is (or was) your primary line of business? = Manufacturing, Mining or Construction

* Construction (16)

Display This Choice:

If What is (or was) your primary line of business? = Manufacturing, Mining or Construction

* Mining (17)

Display This Choice:

If What is (or was) your primary line of business? = Manufacturing, Mining or Construction

* Other manufacturing, mining or construction (18)

Display This Choice:

If What is (or was) your primary line of business? = Agriculture, Forestry or Fishing

* Mostly crop production (19)

Display This Choice:

If What is (or was) your primary line of business? = Agriculture, Forestry or Fishing

* Mostly animal production (20)

Display This Choice:

If What is (or was) your primary line of business? = Agriculture, Forestry or Fishing

* Mostly forestry (21)

Display This Choice:

If What is (or was) your primary line of business? = Agriculture, Forestry or Fishing

* Mostly fishing (23)

Display This Choice:

If What is (or was) your primary line of business? = Public Sector or Education

* Public sector (e.g. public administration) (24)

Display This Choice:

If What is (or was) your primary line of business? = Public Sector or Education

* Utility services (water, electricity, gas etc.) (25)

Display This Choice:

If What is (or was) your primary line of business? = Public Sector or Education

* Education (26)

Display This Choice:

If What is (or was) your primary line of business? = Public Sector or Education

* Defense activities (e.g. armed forces) (28)

Display This Choice:

If What is (or was) your primary line of business? = Public Sector or Education

* Other public sector activities (27)

Q2.13 Have you or a member of your household been laid off or had to take a cut in your salary or wages due to the COVID-19 pandemic?

* Yes (1)
* No (2)

Q2.15 Are you a homeowner or a tenant? (Multiple answers are possible)

* Tenant (1)
* Owner (2)
* Landlord renting out property (3)
* Hosted free of charge (4)

Q228 Do you live with your partner (if you have one)?

* Yes (1)
* No or I don't have a partner (2)

Q2.17 What is your marital status?

* Single (1)
* Married (4)
* Divorced or legally separated (5)
* Widowed (6)

Q2.18 How many children do you have?

* 0 (3)
* 1 (4)
* 2 (5)
* 3 (6)
* 4 or more (7)

Q2.19 How many people are in your household? The household includes: you, the members of your family who live with you (including children below 18), and your dependents.

* 1 (8)
* 2 (9)
* 3 (10)
* 4 (11)
* 5 or more (12)

End of Block: Socio-demographics

## Block 2: Household composition and energy characteristics

Q3.1 What is the main way you heat your home?

* Electricity (1)
* Gas (2)
* Heating oil (3)
* Wood, solar, geothermal, or heat pump (4)
* Don't know, or prefer not to say (5)

Q242 In a typical month, how much do you spend on heatingfor your accommodation?

* I am not in charge of paying for heating; utilities are included in my rent (1)
* Less than $20 (2)
* $20 – $75 (3)
* $76 – $125 (4)
* $126 – $200 (5)
* $201 – $250 (6)
* $251 – $300 (7)
* More than $300 (8)

Q243 Good insulation can keep a building warm in the winter and cool in the summer.  
  
How do you rate the insulation of your accommodation?

* Very poor (0)
* Poor (11)
* Fair (12)
* Good (13)
* Excellent (14)

Q3.2 In a typical month, how much do you spend on gas for driving?

* Less than $5 (4)
* $5 – $25 (5)
* $26 – $75 (6)
* $76 – $125 (7)
* $126 – $175 (8)
* $176 – $225 (9)
* More than $225 (10)

Q3.3 How many round-trip flights did you take in 2019?

* 0 (4)
* 1 (5)
* 2 (6)
* 3 or 4 (7)
* 5 to 10 (9)
* 10 or more (12)

Q3.4 How often do you eat beef?

* Never (2)
* Less than once a week (3)
* One to four times per week (4)
* Almost or at least daily (5)

Q3.5 Whichmode of transport did you mainly use for each of the following trips in 2019?

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Car or Motorbike (1) | Public Transport (2) | Walking or Cycling (3) | Other (4) | Not Applicable (5) |
| Commute to work or place of study (e.g. school/university) (1) |  |  |  |  |  |
| Grocery shopping (2) |  |  |  |  |  |
| Recreational and leisure activities (excluding holiday travel) (3) |  |  |  |  |  |

Q3.6 How do you rate the availability (ease of access and frequency) of public transportation where you live?

* Very poor (0)
* Poor (1)
* Fair (2)
* Good (3)
* Excellent (4)

Q3.7 Timing

First Click (1)

Last Click (2)

Page Submit (3)

Click Count (4)

End of Block: Household composition and energy characteristics

## Block 3: Essay: climate change

Q5.1 Timing

First Click (1)

Last Click (2)

Page Submit (3)

Click Count (4)

Q5.2 When thinking about climate change, what are your main considerations? What should the U.S. federal government do regarding climate change?  
  
Please write as much as you would like, your response will be very useful.

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End of Block: Essay: climate change

## Block 4: Treatment information and feedback

### **Local climate video**

Information

Q7.1 Recent academic studies have assessed the effects of climate change will be in the U.S.. We will now show you a 3 minute video (with sound) that summarizes the results of these studies.    
    
Please pay attention to the information provided as you will be asked questions about it later. Do not skip forward or close the page while the video is running.   
  
 Please proceed to the next page when you are ready.

Treatment feedback

Q9.1 Were you able to watch and listen to the video until the end?

* Yes (1)
* No, there was a technical problem (2)
* No, I skipped part of the video (3)

Q9.2 From what was said in the video, what will be the rise in global average temperature in 2100 if greenhouse gas emissions continue on their current trend?

* 2 °F (1)
* 3.6 °F (4)
* 8 °F (2)
* 15 °F (5)
* Don't know (3)

Q9.3 From what was said in the video, in the absence of ambitious action against climate change, how frequent will extreme temperatures (that is, temperature above 95 °F) occur on average across the U.S. by the end of the century?

* 70 days per year (3)
* 80 days per year (4)
* 90 days per year (5)
* 100 days per year (6)
* Don't know (7)

### **Policy video**

Information

Q10.1 We will now show you a 5 minute video (with sound) that summarizes the results of some policies proposed to fight climate change.   
   
 Please pay attention to the information provided as you will be asked questions about it later. Do not skip forward or close the page while the video is running.   
  
 Please proceed to the next page when you are ready.

Treatment feedback:

Q12.1 Were you able to watch and listen to the video until the end?

* Yes (1)
* No, there was a technical problem (2)
* No, I skipped part of the video (3)

Q12.2 From what was said in the video, with a green infrastructure program, how many people could find a job in green sectors in the U.S.?

* 500,000 people (1)
* 1.5 million people (3)
* 2.5 million people (4)
* 3.5 million people (5)
* Don't know (6)

Q12.3 What is the emission limit described in the video?

* A limit on national CO2 emissions (1)
* A limit on the CO2 emissions of each person (3)
* A limit on CO2 emissions from cars (2)
* A limit on CO2 emissions from the electricity sector (6)
* Don't know (5)

End of Block: Treatment feedback: policy

## Block 5: Climate knowledge

Q13.1 How often do you think or talk with people about climate change?

* Almost never (2)
* Several times a year (3)
* Several times a month (4)

Q13.2 In your opinion, is climate change real?

* Yes (1)
* No (2)

Display This Question:

If In your opinion, is climate change real? = Yes

Q13.3 What part of climate change do you think is due to human activity?

* None (0)
* A little (11)
* Some (12)
* A lot (13)
* Most (14)

Q13.4 Do you agree or disagree with the following statement: "Climate change is an important problem."

* Strongly disagree (0)
* Somewhat disagree (1)
* Neither agree nor disagree (2)
* Somewhat agree (3)
* Strongly agree (4)

Q13.5 How knowledgeable do you consider yourself about climate change?

* Not at all (0)
* A little (1)
* Moderately (2)
* A lot (3)
* A great deal (4)

Q13.7 Greenhouse gases are gases that trap heat in the atmosphere and make the Earth warmer, causing climate change. In particular, the burning of fossil fuels and agricultural production emit greenhouse gases.  
    
Which of the following elements contribute to climate change? (Multiple answers are possible)

* CO2 (1)
* Hydrogen (2)
* Methane (3)
* Particulate matter (4)
* Don't know (5)

Q13.8 Do you think that cutting global greenhouse gas emissions by half would be sufficient to eventually stop temperatures from rising?

* Yes (5)
* No (4)

Q13.9 For the next three questions we would like you to rank the items according to the greenhouse gas emissions they emit, to the best of your knowledge (where 1 is the item that emits the most and 3 the item that emits the least).   
  
 The greenhouse gas emissions of a product are those emitted at all steps involved in its production and distribution.

Q13.10 If a family of 4 travels 500 miles from New York to Toronto, which mode of transportation emits the most greenhouse gases?   
  
 Please rank the items from 1 (most) to 3 (least).

\_\_\_\_\_\_ Car (running on diesel or gasoline) (1)

\_\_\_\_\_\_ Coach (2)

\_\_\_\_\_\_ Plane (3)

|  |
| --- |
|  |

Q13.11 Which dish emits the most greenhouse gases? We consider that each dish weighs half a pound.   
  
 Please rank the items from 1 (most) to 3 (least).

\_\_\_\_\_\_ A beef steak (1)

\_\_\_\_\_\_ One serving of pasta (2)

\_\_\_\_\_\_ Chicken wings (3)

|  |
| --- |
|  |

Q13.12 Which source of electric energy emits the most greenhouse gases to provide power for a house?   
  
 Please rank the items from 1 (most) to 3 (least).

\_\_\_\_\_\_ Gas-fired power plant (1)

\_\_\_\_\_\_ Wind turbines (2)

\_\_\_\_\_\_ Coal-fired power station (3)

Q13.13 If nothing is done to limit climate change, how likely do you think it is that climate change will lead to the following events?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Very unlikely (1) | Somewhat unlikely (2) | Somewhat likely (3) | Very likely (4) |
| Severe droughts and heatwaves (3) |  |  |  |  |
| More frequent volcanic eruptions (2) |  |  |  |  |
| Rising sea levels (4) |  |  |  |  |
| Lower agricultural production (1) |  |  |  |  |
| Drop in standards of living (5) |  |  |  |  |
| Larger migration flows (6) |  |  |  |  |
| More armed conflicts (7) |  |  |  |  |
| Extinction of humankind (8) |  |  |  |  |

|  |
| --- |
|  |

Q14.2 In which region does the consumption of a typical person contribute most to climate change?  
   
 Please rank the items from 1 (most) to 4 (least).

\_\_\_\_\_\_ The U.S. (1)

\_\_\_\_\_\_ Western Europe (2)

\_\_\_\_\_\_ China (3)

\_\_\_\_\_\_ India (4)

Q14.3 Which region contributes most to climate change?  
   
 Please rank the items from 1 (most) to 4 (least).

\_\_\_\_\_\_ The U.S. (1)

\_\_\_\_\_\_ Western Europe (2)

\_\_\_\_\_\_ China (3)

\_\_\_\_\_\_ India (4)

End of Block: Climate knowledge

## Block 6: Climate change – attitudes and risks

|  |
| --- |
|  |

Q14.1 To what extent are the following groups responsible for climate change in the U.S.?

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Not at all (1) | A little (2) | Moderately (3) | A lot (4) | A great deal (5) |
| Each of us (1) |  |  |  |  |  |
| The high income earners (2) |  |  |  |  |  |
| The U.S. federal government (3) |  |  |  |  |  |
| Companies (4) |  |  |  |  |  |
| Previous generations (5) |  |  |  |  |  |

|  |
| --- |
|  |

Q14.3 To what extent do you think that it is technically feasible to stop greenhouse gas emissions by the end of the century while maintaining satisfactory standards of living in the U.S.?

* Not at all (0)
* A little (1)
* Moderately (2)
* A lot (3)
* A great deal (4)

Q14.4 To what extent do you think climate change already affects or will negatively affect your personal life?

* Not at all (0)
* A little (1)
* Moderately (2)
* A lot (3)
* A great deal (4)

Q14.5 How ambitious do you think public policies should be to halt climate change?

* Not at all (0)
* A little (1)
* Moderately (2)
* A lot (3)
* A great deal (4)

Q14.6 How likely is it that human kind halt climate change by the end of the century?

* Very unlikely (0)
* Somewhat unlikely (1)
* Somewhat likely (2)
* Very likely (3)

Q14.7 If we decide to halt climate change through ambitious policies, what would be the effects on the U.S economy and employment?

* Very negative effects (0)
* Somewhat negative effects (1)
* No noticeable effects (2)
* Somewhat positive effects (3)
* Very positive effects (4)

Q14.8 If we decide to halt climate change through ambitious policies, to what extent do you think it would negatively affect your lifestyle?

* Not at all (0)
* A little (1)
* Moderately (2)
* A lot (3)
* A great deal (4)

Q14.9 Here are possible habits that experts say would help reduce greenhouse gas emissions.   
    
To what extent would you be willing to adopt the following behaviors?

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Not at all (1) | A little (2) | Moderately (3) | A lot (4) | A great deal (5) |
| Limit flying (2) |  |  |  |  |  |
| Limit driving (1) |  |  |  |  |  |
| Have a fuel-efficient or an electric vehicle (5) |  |  |  |  |  |
| Limit beef consumption (4) |  |  |  |  |  |
| Limit heating or cooling your home (6) |  |  |  |  |  |

Q14.11 How important are the factors below in order for you to adopt a sustainable lifestyle (i.e. limit driving, flying, and consumption, cycle more, etc.)?

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Not at all (1) | A little (2) | Moderately (3) | A lot (4) | A great deal (5) |
| Ambitious climate policies (1) |  |  |  |  |  |
| Having enough financial support (2) |  |  |  |  |  |
| People around also changing their behavior (3) |  |  |  |  |  |
| The most well off also changing their behavior (4) |  |  |  |  |  |

End of Block: Climate Change (attitudes and risks)

## Block 7: Policy 1: emission limit for cars

Q15.1 To fight climate change, car producers can be required by law to limit the average CO2 emissions per mile of the cars they sell. This limit is lowered every year, with the possible aim that only electric or hydrogen vehicles will be sold after 2040 (at which date electricity generation is expected to be non-polluting). This policy is called an emission limit for cars.

Q15.2 Do you agree or disagree with the following statements? An emission limit for cars would...

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Strongly disagree (1) | Somewhat disagree (2) | Neither agree nor disagree (3) | Somewhat agree (4) | Strongly agree (5) |
| reduce CO2 emissions from cars (1) |  |  |  |  |  |
| reduce air pollution (2) |  |  |  |  |  |
| have a **large effect** on the U.S. economy and employment (3) |  |  |  |  |  |
| have a **negative effect** on the U.S. economy and employment (4) |  |  |  |  |  |
| be a cost-effective way to fight climate change (5) |  |  |  |  |  |

Q15.3 In your view, would the following groups win or lose if an emission limit for cars was implemented in the U.S.?

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Lose a lot (1) | Mostly lose (2) | Neither win nor lose (3) | Mostly win (6) | Win a lot (7) |
| Low-income earners (1) |  |  |  |  |  |
| The middle class (2) |  |  |  |  |  |
| High-income earners (4) |  |  |  |  |  |
| Those living in rural areas (5) |  |  |  |  |  |

Q15.4 Do you think that financially your household would win or lose from an emission limit for cars?

* Lose a lot (1)
* Mostly lose (5)
* Neither win nor lose (6)
* Mostly win (9)
* Win a lot (10)

Q15.6 Do you agree or disagree with the following statement: "An emission limit for cars is fair"?

* Strongly disagree (0)
* Somewhat disagree (1)
* Neither agree nor disagree (2)
* Somewhat agree (3)
* Strongly agree (4)

Q15.5 Do you support or oppose an emission limit for cars?

* Strongly oppose (0)
* Somewhat oppose (1)
* Neither support nor oppose (2)
* Somewhat support (3)
* Strongly support (4)

Q15.7 Do you support or oppose an emission limit for cars where alternatives such as public transports are made available to people?

* Strongly oppose (0)
* Somewhat oppose (1)
* Neither support nor oppose (2)
* Somewhat support (3)
* Strongly support (4)

## Block 8: Policy 2: green infrastructure program

Q16.1 A green infrastructure program is a large public investment program, which would be financed by additional public debt, to accomplish the transition needed to cut greenhouse gases emissions. Investments would concern renewable power plants, public transportation, thermal renovation of building, and sustainable agriculture.

Q16.2 Do you agree or disagree with the following statements? A green infrastructure program would...

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Strongly disagree (1) | Somewhat disagree (2) | Neither agree nor disagree (3) | Somewhat agree (4) | Strongly agree (5) |
| make electricity production greener (1) |  |  |  |  |  |
| increase the use of public transport (6) |  |  |  |  |  |
| reduce air pollution (3) |  |  |  |  |  |
| have a **large effect** on the U.S. economy and employment (4) |  |  |  |  |  |
| have a **negative effect** on the U.S. economy and employment (5) |  |  |  |  |  |
| be cost-effective to fight climate change (7) |  |  |  |  |  |

Q16.3 In your view, would the following groups win or lose with a green infrastructure program?

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Lose a lot (1) | Mostly lose (2) | Neither win nor lose (3) | Mostly win (5) | Win a lot (6) |
| Low-income earners (1) |  |  |  |  |  |
| The middle class (2) |  |  |  |  |  |
| High-income earners (3) |  |  |  |  |  |
| Those living in rural areas (5) |  |  |  |  |  |

Q16.4 Do you think that financially your household would win or lose from a green infrastructure program?

* Lose a lot (1)
* Mostly lose (5)
* Neither win nor lose (6)
* Mostly win (7)
* Win a lot (8)

Q16.6 Do you agree or disagree with the following statement: "A green infrastructure program mainly financed by public debt is fair."

* Strongly disagree (0)
* Somewhat disagree (1)
* Neither agree nor disagree (2)
* Somewhat agree (3)
* Strongly agree (4)

Q16.5 Do you support or oppose a green infrastructure program?

* Strongly oppose (0)
* Somewhat oppose (1)
* Neither support nor oppose (2)
* Somewhat support (3)
* Strongly support (4)

Q16.7 Until now, we have considered that a green infrastructure program would be financed by public debt, but other sources of funding are possible.   
    
What sources of funding do you find appropriate for a green infrastructure program? (Multiple answers are possible)

* Additional public debt (1)
* Increase in sales taxes (2)
* Increase in taxes on the wealthiest (3)
* Reduction in social spending (4)
* Reduction in military spending (5)

## 

## Block 9: Policy 3: carbon tax with cash transfers

Q17.1 Timing

First Click (1)

Last Click (2)

Page Submit (3)

Click Count (4)

Q17.2 To fight climate change, the U.S. federal government can make greenhouse gas emissions costly, to make people and firms change their equipment and reduce their emissions. The government could do this through a policy called a carbon tax with cash transfers. Under such a policy, the government would tax all products that emit greenhouse gas. For example, the price of gasoline would increase by 40 cents per gallon. To compensate households for the price increases, the revenues from the carbon tax would be redistributed to all households, regardless of their income. Each adult would thus receive $600 per year.

Q17.3 Do you agree or disagree with the following statements? A carbon tax with cash transfers would...

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Strongly disagree (1) | Somewhat disagree (2) | Neither agree nor disagree (3) | Somewhat agree (4) | Strongly agree (5) |
| encourage people to drive less (6) |  |  |  |  |  |
| encourage people and companies to insulate buildings (1) |  |  |  |  |  |
| reduce the use of fossil fuels and greenhouse gas emissions (7) |  |  |  |  |  |
| reduce air pollution (2) |  |  |  |  |  |
| have a **large effect** on the U.S. economy and employment (3) |  |  |  |  |  |
| have a **negative effect** on the U.S. economy and employment (4) |  |  |  |  |  |
| be a cost-effective way to fight climate change (5) |  |  |  |  |  |

Q17.4 In your view, would the following groups win or lose under a carbon tax with cash transfers?

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Lose a lot (1) | Mostly lose (2) | Neither win nor lose (3) | Mostly win (5) | Win a lot (6) |
| Low-income earners (1) |  |  |  |  |  |
| The middle class (2) |  |  |  |  |  |
| High-income earners (3) |  |  |  |  |  |
| Those living in rural areas (4) |  |  |  |  |  |

Q17.5 Do you think that financially your household would win or lose under a carbon tax with cash transfers?

* Lose a lot (1)
* Mostly lose (5)
* Neither win nor lose (6)
* Mostly win (7)
* Win a lot (8)

Q17.7 Do you agree or disagree with the following statement: "A carbon tax with cash transfers is fair."

* Strongly disagree (0)
* Somewhat disagree (1)
* Neither agree nor disagree (2)
* Somewhat agree (3)
* Strongly agree (4)

Q17.6 Do you support or oppose a carbon tax with cash transfers?

* Strongly oppose (0)
* Somewhat oppose (1)
* Neither support nor oppose (2)
* Somewhat support (3)
* Strongly support (4)

## Block 10: Preferences on climate policies

Q18.1 Timing

First Click (1)

Last Click (2)

Page Submit (3)

Click Count (4)

Q18.2 To show that you are attentive, please ignore the below question and select the two first answers in the list. When there is a big news story, which is the news website that you would visit first?

* ABC News (1)
* CNBC (6)
* CNN (7)
* FOX News (8)
* New York Post (9)
* The Drudge Report (10)
* The Wall Street Journal (11)
* The Mercury (12)
* The New York Times (13)
* USA Today (14)
* Other (15)

|  |
| --- |
|  |

Q18.3 Do you support or oppose the following climate policies?

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Strongly oppose (1) | Somewhat oppose (2) | Neither support nor oppose (3) | Somewhat support (4) | Strongly support (5) |
| A tax on flying (that increases ticket prices by 20%) (1) |  |  |  |  |  |
| A national tax on fossil fuels (increasing gasoline prices by 40cts per gallon) (2) |  |  |  |  |  |
| Mandatory insulation of buildings (3) |  |  |  |  |  |
| A ban of polluting vehicles in dense areas, like city centers (6) |  |  |  |  |  |
| Subsidies for low-carbon technologies (renewable energy, capture and storage of carbon...) (7) |  |  |  |  |  |
| A contribution to a global climate fund to finance clean energy in low-income countries (8) |  |  |  |  |  |

|  |
| --- |
|  |

Q18.4 Governments can use the revenues from carbon taxes in different ways. Would you support or oppose introducing a carbon tax that would raise gasoline prices by 40 cents per gallon, if the government used this revenue to finance...

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Strongly oppose (1) | Somewhat oppose (2) | Neither support nor oppose (3) | Somewhat support (4) | Strongly support (5) |
| Cash transfers to households with no alternative to using fossil fuels (1) |  |  |  |  |  |
| Cash transfers to the poorest households (2) |  |  |  |  |  |
| Equal cash transfers to all households (3) |  |  |  |  |  |
| A reduction in personal income taxes (10) |  |  |  |  |  |
| A reduction in corporate income taxes (9) |  |  |  |  |  |
| Tax rebates for the most affected firms (4) |  |  |  |  |  |
| Funding environmental infrastructure projects (public transport, cycling ways, etc.) (5) |  |  |  |  |  |
| Subsidizing low-carbon technologies, including renewable energy (6) |  |  |  |  |  |
| A reduction in the public deficit (7) |  |  |  |  |  |

End of Block: Preferences on climate policies

## Block 11: WTP

Q19.1 To fight global warming, the U.S. federal government could implement a policy package to reduce emissions, for example by investing in clean technologies (renewable energy, electric vehicles, public transport, more efficient insulation, etc.).   
  
  
The funding for these investments could be collected annually through an additional individual contribution for the foreseeable future. Assume that everyone in the U.S. as well as citizens of other countries would be required to contribute according to their means.  
  
  
How much would you at most be willing to pay annually through an additional individual contribution to limit global warming to safe levels (less than 3.6 degrees Fahrenheit)?

▼ $ 0 per year (2) ... More than $ 5000 per year (46)

Q19.2 By taking this survey, you are automatically entered into a lottery to win $100. In a few days you will know whether you have been selected in the lottery. The payment will be made to you in the same way as your compensation for this survey, so no further action is required on your part.      
  
  
You can also donate a part of this additional compensation (should you be selected in the lottery) to a reforestation project through the charity The Gold Standard. This charity has already proven effective to reduce 151 million tons of CO2 to fight climate change and has been carefully selected by our team. The Gold Standard is highly transparent and ensures that its projects featured the highest levels of environmental integrity and contribute to sustainable development.   
       
Should you win the lottery, please enter your donation amount using the slider below:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | 0 | 20 | 40 | 60 | 80 | 100 |

|  |  |
| --- | --- |
| Donation amount (in U..S. dollars) () |  |

## Block 12: International burden-sharing

Q20.1 Timing

First Click (1)

Last Click (2)

Page Submit (3)

Click Count (4)

Q20.2 At which level(s) do you think public policies to tackle climate change need to be put in place? (Multiple answers are possible)

* Global (4)
* Federal (3)
* State (2)
* Local (1)

Q20.3 Do you agree or disagree with the following statement: "The U.S. should take measures to fight climate change."

* Strongly disagree (0)
* Somewhat disagree (1)
* Neither agree nor disagree (2)
* Somewhat agree (3)
* Strongly agree (4)

Q20.4 How should U.S. climate policies depend on what other countries do?

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Much less (1) | Less (2) | About the same (3) | More (4) | Much more (5) |
| If other countries do more, the U.S. should do... (2) |  |  |  |  |  |
| If other countries do less, the U.S. should do... (1) |  |  |  |  |  |

Q20.5 To achieve a given reduction of greenhouse gas emissions globally, costly investments are needed.   
    
Ideally, how should countries bear the costs of fighting climate change?

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Strongly disagree (1) | Somewhat disagree (2) | Neither agree nor disagree (3) | Somewhat agree (4) | Strongly agree (5) |
| Countries should pay *in proportion to their income* (1) |  |  |  |  |  |
| Countries should pay *in proportion to their current emissions* (2) |  |  |  |  |  |
| Countries should pay *in proportion to their past emissions* (from 1990 onwards) (3) |  |  |  |  |  |
| The *richest countries should pay it all*, so that the poorest countries do not have to pay anything (4) |  |  |  |  |  |
| The *richest countries should pay even more*, to help vulnerable countries face adverse consequences: vulnerable countries would then receive money instead of paying (5) |  |  |  |  |  |

Q20.6 Do you support or oppose establishing a global democratic assembly whose role would be to draft international treaties against climate change? Each adult across the world would have one vote to elect members of the assembly.

* Strongly oppose (0)
* Somewhat oppose (1)
* Neither support nor oppose (2)
* Somewhat support (3)
* Strongly support (4)

Q20.7 Imagine the following policy: a global tax on greenhouse gas emissions funding a global basic income.   
  
 Such a policy would progressively raise the price of fossil fuels (for example, the price of gasoline would increase by 40 cents per gallon in the first years). Higher prices would encourage people and companies to use less fossil fuels, reducing greenhouse gas emissions. Revenues from the tax would be used to finance a basic income of $30/month to each human adult, thereby lifting the 700 million people who earn less than $2/day out of extreme poverty. Most Americans would lose out financially as they would face price increases in excess of $30/month.   
  
 Do you support or oppose such a policy?

* Strongly oppose (0)
* Somewhat oppose (1)
* Neither support nor oppose (2)
* Somewhat support (3)
* Strongly support (4)

Q20.8 Do you support or oppose a tax on all millionaires around the world to finance low-income countries which comply with international standards regarding climate action?   
This would finance infrastructure and public services such as access to drinking water, healthcare, and education.

* Strongly oppose (0)
* Somewhat oppose (1)
* Neither support nor oppose (2)
* Somewhat support (3)
* Strongly support (4)

End of Block: International burden-sharing

## Block 13: Housing/Preference for bans vs. incentives

Display This Question:

If Are you a homeowner or a tenant? (Multiple answers are possible) = Owner

Or Are you a homeowner or a tenant? (Multiple answers are possible) = Landlord renting out property

Q244 How likely is it that you will improve the insulation or replace the heating system of your accommodation over the next 5 years?

* Very unlikely (0)
* Somewhat unlikely (1)
* Somewhat likely (2)
* Very likely (3)

Display This Question:

If Are you a homeowner or a tenant? (Multiple answers are possible) = Owner

Or Are you a homeowner or a tenant? (Multiple answers are possible) = Landlord renting out property

Q245 What are the main hurdles preventing you from improving the insulation or replace the heating system of your accommodation? (Multiple answers are possible)

* The choice to insulate or replace the heating system is not mine (1)
* The upfront costs are too high (2)
* It is too much effort (3)
* It won't improve its energy efficiency (4)
* Other, please specify (5) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Q246 To reduce fuel consumption for heating and cooling, the U.S. federal government could subsidize half of the costs to renovate the insulation of residential buildings to meet a certain energy efficiency standard.  
  
  
Do you support or oppose such a policy?

* Strongly oppose (0)
* Somewhat oppose (1)
* Neither support nor oppose (2)
* Somewhat support (3)
* Strongly support (4)

Q247 Imagine that the U.S. federal government makes it **mandatory**for all residential buildings to have insulation that meets a certain energy efficiency standard before 2040. The government would subsidize half of the insulation costs to help households with the transition.  
  
  
Do you support or oppose such a policy?

* Strongly oppose (0)
* Somewhat oppose (1)
* Neither support nor oppose (2)
* Somewhat support (3)
* Strongly support (4)

|  |
| --- |
|  |

Q21.4 Imagine that, in order to fight climate change, the U.S. federal government decides to limit the consumption of cattle products like beef and dairy.  
   
 Do you support or oppose the following options?

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Strongly oppose (1) | Somewhat oppose (2) | Neither support nor oppose (3) | Somewhat support (4) | Strongly support (5) |
| A high tax on cattle products, so that the price of beef doubles (1) |  |  |  |  |  |
| Subsidies on organic and local vegetables, fruits, and nuts (2) |  |  |  |  |  |
| The removal of subsidies for cattle farming (3) |  |  |  |  |  |
| The ban of intensive cattle farming (4) |  |  |  |  |  |

End of Block: Preference for bans vs. incentives

## Block 14: Trust, perceptions of institutions, inequality, and the future

Q22.1 Do you agree or disagree with the following statement: "Most people can be trusted."

* Strongly disagree (0)
* Somewhat disagree (1)
* Neither agree nor disagree (2)
* Somewhat agree (3)
* Strongly agree (4)

Q22.2 Do you agree or disagree with the following statement: "Over the last decade the U.S. federal government could generally be trusted to do what is right."

* Strongly disagree (0)
* Somewhat disagree (1)
* Neither agree nor disagree (2)
* Somewhat agree (3)
* Strongly agree (4)

Q22.3 Some people think the government is trying to do too many things that should be left to individuals and businesses. Others think that government should do more to solve our country's problems.  
   
 Which come closer to your own view?

* Government is doing too much (1)
* Government is doing just the right amount (7)
* Government should do more (8)

Q22.4 How big of an issue do you think income inequality is in the U.S.?

* Not an issue at all (0)
* A small issue (1)
* An issue (2)
* A serious issue (3)
* A very serious issue (4)

Q22.5 Do you think that overall people in the world will be richer or poorer in 100 years from now?

* Much poorer (0)
* Poorer (11)
* As rich as now (12)
* Richer (13)
* Much richer (14)

End of Block: Trust, perceptions of institutions, inequality, and the future

## Block 15: Political views and media consumption

Q23.1 To what extent are you interested in politics?

* Not at all (0)
* A little (1)
* Moderately (2)
* A lot (3)
* A great deal (4)

Q23.2 Are you member of an environmental organization?

* Yes (1)
* No (2)

Q23.3 Do you have any relatives who are environmentalists?

* Yes (1)
* No (4)

Q23.4 Did you vote in the 2020 U.S. presidential election?

* Yes (1)
* No (2)
* I don't have the right to vote in the U.S. (4)
* Prefer not to say (3)

Q23.5 Did you vote in the 2016 U.S. presidential election?

* Yes (1)
* No (2)
* I didn't have the right to vote in the U.S. (3)
* Prefer not to say (4)

End of Block: Political views and media consumption

## Block 16: Politics – additional questions

Display This Question:

If Did you vote in the 2020 U.S. presidential election? = Yes

Q24.1 Which candidate did you vote for in the last presidential election?

* Biden (4)
* Trump (5)
* Jorgensen (6)
* Hawkins (12)
* Prefer not to say (13)

Display This Question:

If Did you vote in the 2020 U.S. presidential election? != Yes

Q24.2 Even if you did NOT vote in the last presidential, please indicate the candidate that you were most likely to have voted for or who represents your views more closely.

* Biden (1)
* Trump (2)
* Jorgensen (3)
* Hawkins (4)
* Prefer not to say (5)

Display This Question:

If Did you vote in the 2016 U.S. presidential election? = Yes

Q24.3 Which candidate did you vote for in the 2016 presidential election?

* Clinton (4)
* Trump (5)
* Johnson (6)
* Stein (12)
* Prefer not to say (13)

Display This Question:

If Did you vote in the 2016 U.S. presidential election? != Yes

Q24.4 Even if you did NOT vote in the 2016 presidential, please indicate the candidate that you were most likely to have voted for or who represents your views more closely.

* Clinton (1)
* Trump (2)
* Johnson (3)
* Stein (4)
* Prefer not to say (5)

Q24.5 On economic policy matters, where do you see yourself on the liberal/conservative spectrum?

* Very liberal (1)
* Liberal (2)
* Moderate (3)
* Conservative (4)
* Very conservative (5)
* Don't know, or prefer not to say (6)

Q24.6 What do you consider to be your political affiliation, as of today?

* Republican (1)
* Democrat (2)
* Independent (3)
* Other (4)
* Non-Affiliated (5)

End of Block: Politics (more)

## Block 17: Feedback

Q25.1 Do you feel that this survey was politically biased?

* Yes, left-wing biased (1)
* Yes, right-wing biased (2)
* No, I do not feel it was biased (3)

Q25.2 The survey is nearing completion. You can now enter any comments, thoughts or suggestions in the field below.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Display This Question:

If winner = 1

|  |
| --- |
|  |

Q251 Thank for completing this survey!   
  In case you win the lottery previously described, you agree to donate $ . Do you confirm?

* Yes (4)
* No (explain why): (5) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

End of Block: Feedback