

## 2017 Oklahoma Weather, Society and Government Survey: M-SISNet Wave 14 (Spring 2017)

*n* = 2,314; June 1—July 24, 2017; Median Time = 28 min

My name is Hank C. Jenkins-Smith, and I am a professor at the Center for Risk and Crisis Management at the University of Oklahoma. I am requesting that you volunteer to participate in a research study titled “Oklahoma Weather, Society and Government Survey.”

### **Purpose of the Research Study**

The purpose of this study is to measure perceptions of weather in Oklahoma and views on government policies and societal issues, and to understand how those perceptions and views might shape Oklahomans’ uses of water and energy.

### **Number of Participants**

Up to 8,000 people will take part in this study.

### **Procedures and Length of Participation**

If you agree to participate in this study, you will be asked to respond to an Internet survey that should take an average of about 30 minutes to complete. You will be invited to respond to a similar Internet survey each quarter (four times per year) until May 2018.

### **Risks of being in the study**

There are no risks associated with participation in this study.

### **Benefits of being in the study**

There are no benefits associated with participation in this study.

### **Compensation**

Should you complete the survey, you will receive a \$10 gift card.

### **Confidentiality**

The records of this study will be kept private. In published reports, there will be no information included that will make it possible to identify you as a research participant. Research records will be stored securely. The data will not include any information that would make it possible to identify you. Only approved researchers will have access to the records. There are organizations that may inspect and/or copy your research records for quality assurance and data analysis. These organizations include the OU Institutional Review Board.

### **Voluntary Nature of the Study**

The study will ask questions about your observations on current issues, including your views on extreme

weather and climatological issues such as severe thunderstorms, wind events, floods, droughts, and long-term weather patterns. In the unlikely event that any of these questions make you uncomfortable, in most cases you may skip that question and continue with the survey. In a few cases, we require responses to certain questions so that we know what to ask you in a follow-up question. You may also quit the survey at any time, should you desire to do so.

### **Contacts and Questions**

If you have concerns or complaints about the research, I am the primary investigator conducting this study, and I can be contacted at the Center for Risk and Crisis Management at the University of Oklahoma, at (405) 325-1720 or at [crcm@ou.edu](mailto:crcm@ou.edu). In the event of a research-related injury, contact the researcher(s). You are encouraged to contact the researcher(s) if you have any questions. If you have any questions, concerns, or complaints about the research and wish to talk to someone other than the individuals on the research team, or if you cannot reach the research team, you may contact the University of Oklahoma – Norman Campus Institutional Review Board (OU-NC IRB) at (405) 325-8110 or [irb@ou.edu](mailto:irb@ou.edu).

**consent:** Do you agree to participate in this study?  
[DROPDOWN LIST]

0 - No, I do not want to participate in this study  
1 - Yes, I agree to participate in this study

[IF consent = 0, MOVE PARTICIPANT TO NEW PAGE WHICH STATES “**You have indicated that you do not want to participate in this study.** If you have reached this page by accident and do wish to participate in this study, please contact our technical support staff at: (405) 325-1720 or [crcm@ou.edu](mailto:crcm@ou.edu).”]

*Please print this information sheet for your records. By providing information to the researcher, I am agreeing to participate in this research.*

**This research has been approved by the University of Oklahoma, Norman Campus IRB.**

**IRB Number: 3938**

**Approval date: 05/25/2017**

-----End Web Index pg-----

This survey involves policy choices about complex

issues. Lengthy interruptions in the survey will make it difficult to respond to some of the questions. As previously noted, the survey should take only about 30 minutes to complete, but we ask that you avoid long interruptions if possible.

Please review the following demographic information that you previously provided to our research team. If the information is the same, there is no need for any action. However, if as of today our records are incomplete or incorrect, please provide us with the correct information by using the boxes provided below. Thank you!

[THE QUESTIONS ON THIS PAGE ARE PRE-POPULATED, WHERE AVAILABLE, WITH THE DATA THAT WAS COLLECTED DURING RECRUITMENT]

**age:** How old are you? [VERBATIM; REQUIRE NUMERIC]

-----End Web pg -----

[SHOW PAGE ONLY IF RESPONSE TO age IS < 18]

**agescreen:** To participate in this survey, you must be 18 years of age or older. Please verify your age before continuing. [VERBATIM]

[IF AN AGE < 18 IS ENTERED, MOVE PARTICIPANT TO NEW PAGE WHICH STATES “**You must be 18 or older to participate in the study.** To continue with the survey, or if you have reached this page by accident, please contact our technical support staff at: (405) 325-1720 or [crqm@ou.edu](mailto:crqm@ou.edu).” IF AN AGE > 18 IS ENTERED, RETURN TO SURVEY]

-----End Web pg -----

**gender:** Are you male or female?

0 - Female

1 - Male

**education:** What is the highest level of education you have COMPLETED?

1 - Less than High School

2 - High School / GED

3 - Vocational or Technical Training

4 - Some College — NO degree

5 - 2-year College / Associate’s Degree

6 - Bachelor’s Degree

7 - Master’s degree

8 - PhD / JD (Law) / MD

**hispanic:** Do you consider yourself to be Hispanic, Latino, or Spanish or to have Hispanic, Latino, or Spanish origins?

0 - No

1 - Yes

**race:** Which of the following best describes your race?

1 - White

2 - Black or African American

3 - American Indian or Alaska Native

4 - Asian

5 - Native Hawaiian or Pacific Islander

6 - Two or more races

7 - Some other race (please specify)

**race\_spec:** [VERBATIM]

-----End Web pg -----

**adults:** ***Including yourself***, how many ADULTS AGE 18 AND OLDER live in your household?

[LIMIT TO NON-ZERO RESPONSE]

[VERBATIM] adults

**children:** How many CHILDREN AGE 17 AND YOUNGER live in your household?

[VERBATIM; REQUIRE NUMERIC RESPONSE]

children

-----End Web pg -----

**employment:** Which one of the following BEST describes your current employment status?

1 - Not working and not seeking a job outside the home

2 - Not working outside the home, but seeking work

3 - Working part-time outside the home

4 - Working full-time outside the home

5 - Working full-time inside the home

6 - Working part-time inside the home

7 - Student

8 - Retired

9 - Disabled

-----End Web pg -----

**income:** Thinking specifically about the past 12 months, what was your annual household income from all sources?

\$ [VERBATIM; REQUIRE NUMERIC RESPONSE]

-----End Web pg -----

**footage:** What is the approximate square footage of your home?

[VERBATIM; REQUIRE NUMERIC RESPONSE]

sq. ft.

-----End Web pg -----

**home\_lot:** Which of the following best describes your property?

- 1 - Urban lot in a densely populated area
- 2 - Suburban lot in a neighborhood that is near a densely populated area
- 3 - Rural lot in a sparsely populated area

-----End Web pg -----

The next few questions ask you to compare weather patterns *this spring* (March, April and May 2017) to weather patterns in *previous springs*.

**ssn\_precip:** In the area around where you live (by this we mean within about ten miles of your residence), would you say that the amount of precipitation (by this we mean both rain and snow) that fell *this spring* was more, less, or about the same amount as in *previous springs*?

- 3 - More
- 2 - About the same
- 1 - Less

**ssn\_tmp:** In the area around where you live, would you say that *this spring* has been warmer, cooler, or about the same as *previous springs*?

- 3 - Warmer
- 2 - About the same
- 1 - Cooler

-----End Web pg -----

Now we want you to compare weather patterns over the *past three years* to weather patterns in *previous years*.

**drghtfreq:** In the area around where you live, has drought occurred more frequently, less frequently, or with about the same frequency in the *last three years* as drought in *previous years*?

- 3 - More frequently
- 2 - With about the same frequency
- 1 - Less frequently

**drghtsev:** In the area around where you live, has drought been more severe, less severe, or about as severe in the *last three years* as drought in *previous years*?

- 3 - More severe
- 2 - About as severe
- 1 - Less severe

**fldfreq:** In the area around where you live, has flooding occurred more frequently, less frequently, or with about the same frequency in the *last three years* as flooding in *previous years*?

- 3 - More frequently
- 2 - With about the same frequency
- 1 - Less frequently

**fldsev:** In the area around where you live, has flooding been more severe, less severe, or about as severe in the *last three years* as flooding in *previous years*?

- 3 - More severe
- 2 - About as severe
- 1 - Less severe

-----End Web pg -----

**avgtmp:** Again thinking about the *last three years*, would you say that overall, the average temperatures in the area around where you live have increased, decreased, or stayed about the same as compared to temperatures in *previous years*?

- 3 - Increased
- 2 - Stayed about the same
- 1 - Decreased

**tmpextrm:** Would you say that overall, extreme high and/or low temperatures have occurred more often, less often, or with about the same frequency in the *past three years* as compared to *previous years*?

- 3 - More often
- 2 - With about the same frequency
- 1 - Less often

-----End Web pg -----

*This spring*, have you experienced any of the following kinds of events in the area around where you live? Please indicate all that apply. [RANDOMIZED LIST: 1 INDICATES SELECTED]

**evntexp\_wind:** Extreme high winds

**evntexp\_drght:** Drought

**evntexp\_rain:** Extreme rainstorms

**evntexp\_flood:** Floods

**evntexp\_torn:** Tornadoes

**evntexp\_fire:** Wildfires

**evntexp\_ethqk:** Earthquakes

**evntexp\_cold:** Extreme cold temperatures

**evntexp\_heat:** Extreme hot temperatures

**evntexp\_snow:** Extreme snowstorms

**evntexp\_ice:** Extreme ice storms

**evntexp\_hail:** Hail storms

-----End Web pg -----

In the area around where you live, would you say that the following kinds of events have happened more frequently, less frequently, or with about the same frequency *this spring* as in *previous springs*? [RANDOMIZED TABLE]

**evntfreq\_wind:** Extreme high winds

3 - More frequently

2 - With about the same frequency

1 - Less frequently

**evntfreq\_rain:** Extreme rainstorms

3 - More frequently

2 - With about the same frequency

1 - Less frequently

**evntfreq\_torn:** Tornadoes

3 - More frequently

2 - With about the same frequency

1 - Less frequently

**evntfreq\_fire:** Wildfires

3 - More frequently

2 - With about the same frequency

1 - Less frequently

**evntfreq\_ethqk:** Earthquakes

3 - More frequently

2 - With about the same frequency

1 - Less frequently

**evntfreq\_cold:** Extreme cold temperatures

3 - More frequently

2 - With about the same frequency

1 - Less frequently

**evntfreq\_heat:** Extreme hot temperatures

3 - More frequently

2 - With about the same frequency

1 - Less frequently

**evntfreq\_snow:** Extreme snowstorms

3 - More frequently

2 - With about the same frequency

1 - Less frequently

**evntfreq\_ice:** Extreme ice storms

3 - More frequently

2 - With about the same frequency

1 - Less frequently

**evntfreq\_hail:** Hail storms

3 - More frequently

2 - With about the same frequency

1 - Less frequently

-----End Web pg -----

Looking to the future and again thinking about the area around where you live, do you think that the following kinds of events will happen more frequently, less frequently, or with about the same frequency over the *next few springs* as they have *this spring*?

[There is no right answer; please provide your best guess.][RANDOMIZED TABLE]

**evntfutfreq\_wind:** Extreme high winds

3 - More frequently

2 - With about the same frequency

1 - Less frequently

**evntfutfreq\_drgh:** Drought

3 - More frequently

2 - With about the same frequency

1 - Less frequently

**evntfutfreq\_rain:** Extreme rainstorms

3 - More frequently

2 - With about the same frequency

1 - Less frequently

**evntfutfreq\_flood:** Floods

3 - More frequently

2 - With about the same frequency

1 - Less frequently

**evntfutfreq\_torn:** Tornadoes

3 - More frequently

2 - With about the same frequency

1 - Less frequently

**evntfutfreq\_fire:** Wildfires

3 - More frequently

2 - With about the same frequency

1 - Less frequently

**evntfutfreq\_ethqk:** Earthquakes

3 - More frequently

2 - With about the same frequency

1 - Less frequently

**evntfutfreq\_cold:** Extreme cold temperatures

3 - More frequently

2 - With about the same frequency

1 - Less frequently

**evntfutfreq\_heat:** Extreme hot temperatures

3 - More frequently

2 - With about the same frequency

1 - Less frequently

**evntfutfreq\_snow:** Extreme snowstorms

3 - More frequently

2 - With about the same frequency

1 - Less frequently

**evntfutfreq\_ice:** Extreme ice storms

3 - More frequently

2 - With about the same frequency

1 - Less frequently

**evntfutfreq\_hail:** Hail storms

3 - More frequently

2 - With about the same frequency

1 - Less frequently

-----End Web pg -----

In previous surveys, we have asked you questions about how extreme weather events impact *people* in your local area. In this survey, we are interested in your views about how extreme weather events impact *wildlife* in your local area.

**eco\_frag:** How do you characterize wildlife in your local area?

1 - Extremely *fragile* and unable to survive *most* extreme weather events

2 - Relatively *fragile* and unable to survive *many* extreme weather events

3 - Relatively *robust* and able to survive *many* extreme weather events

4 - Extremely *robust* and able to survive *most* extreme weather events

**eco\_wildlife:** To the best of your knowledge, which of the following types of wildlife is the *least likely to survive* extreme weather events in your local area?

[RANDOMIZED LIST]

1 - Amphibians (such as frogs and toads)

2 - Birds

3 - Fish

4 - Mammals (such as squirrels, rabbits, and deer)

5 - Plants

6 - Reptiles (such as turtles and snakes)

7 - Invertebrates (such as insects and spiders)

8 - Other (please specify)

**eco\_wildlife\_spec:** [VERBATIM]

-----End Web pg -----

**eco\_extwthr:** To the best of your knowledge, which of the following extreme weather events has the *largest* impact on wildlife in your local area? [RANDOMIZED LIST]

1 - Extreme high winds

2 - Extreme drought

3 - Extreme lightning storms

4 - Extreme cold temperatures

5 - Extreme snowstorms

6 - Extreme ice storms

7 - Flash floods

8 - Tornadoes

9 - Wildfires

10 - Extreme hot temperatures

-----End Web pg -----

**eco\_see:** Not including movies, television, videos, websites, or other pictures, have you, *personally*, ever seen the impact of an extreme weather event on wildlife in your local area?

0 - No

1 - Yes

2 - Don't know

**eco\_cnern:** On a scale from zero to ten, where zero means you are *not at all concerned* and ten means you are *extremely concerned*, how concerned are you about the impact of extreme weather events on wildlife in your local area?

0 - Not at all Concerned

1

2

3

4

5

6

7

8

9

10 - Extremely Concerned

-----End Web pg -----

As you may know, Oklahoma has experienced multiple wildfires this year. Since January 2017, the wildfires have burned more than 450,000 acres of land and caused at least 3 fatalities in the state.

**fire\_sev:** If you had to guess, would you say that wildfires in Oklahoma have been more severe, less severe, or about as severe *this year* as wildfires in *previous years*?

3 - More severe

2 - About as severe

1 - Less severe

-----End Web pg -----

The most significant wildfires so far this year have been the Northwest Oklahoma Complex fires, which burned over 300,000 acres of land in northwest Oklahoma, destroying eight homes, and killing approximately 3,000 head of cattle and 6,500 hogs.

**fire\_recall:** Prior to reading this information, do you recall hearing about the Northwest Oklahoma Complex fires?

- 0 - No
- 1 - Yes
- 2 - Don't know

If you are interested in learning more about these wildfires, please click on either of the following links to news articles. [links will open in new window]  
[RANDOMIZE ORDER OF LINKS]

**click\_firelinkOK:** "More than 450,000 acres of woodlands and grasslands have burned in wildfires this year" (The Oklahoman)  
<http://newsok.com/article/5543742> [ 0 = NOT CLICKED; 1 = CLICKED]

**click\_firelinkNYT:** "Burying Their Cattle, Ranchers Call Wildfires 'Our Hurricane Katrina'" (The New York Times)  
[https://www.nytimes.com/2017/03/20/us/burying-their-cattle-ranchers-call-wildfires-our-hurricane-katrina.html?\\_r=0](https://www.nytimes.com/2017/03/20/us/burying-their-cattle-ranchers-call-wildfires-our-hurricane-katrina.html?_r=0) [ 0 = NOT CLICKED; 1 = CLICKED]

-----End Web pg -----

Estimates suggest that the economic impact of the Northwest Oklahoma Complex fires is \$16 million, with \$14.6 million of this damage affecting cattle operations. The term "cattle operations" could include lost animals, damaged fencing, or loss of food sources such as grass and hay, as well as equipment and structures related to cattle ranching. Farmers and ranchers affected by these fires must now recover from this disaster by rebuilding or replacing lost property, structures, and animals. The recovery from these fires will require assistance/funding from a mix of sources.

We want to know what percentage of the assistance needed to fully recover from the Northwest Oklahoma Complex fires you believe should come from each of these five primary sources. The percentages you indicate should sum to 100. [RANDOMIZE OPTION ORDER IN PAIRS]

**rcvr\_fed:** What percentage should come from **federal agencies**, such as the U.S. Department of Agriculture? [VERBATIM]

**rcvr\_chrty:** What percentage should come from **religious or charitable groups**, such as Southern Baptist Disaster Relief? [VERBATIM]

**rcvr\_ins:** What percentage should come from **private insurance payments** to the affected farmer or rancher? [VERBATIM]

**rcvr\_ind:** What percentage should come from **relief funding organized by industry groups**, such as the Cattlemen's Association or Oklahoma Farm Credit Associations? [VERBATIM]

**rcvr\_oop:** What percentage should come from **out-of-pocket costs** paid by the farmer or rancher? [VERBATIM]

-----End Web pg -----

As you may know, some parts of Oklahoma have experienced an increase in earthquakes over the last few years.

**ethqk\_risk:** On a scale from zero to ten, where zero means *no risk* and ten means *extreme risk*, how much risk do you think earthquakes pose to people and property in Oklahoma?

- 0 - No risk
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10 - Extreme risk

**ethqk\_cause:** In your view, what is the *primary* cause of the increase in earthquakes that some parts of Oklahoma have experienced over the last few years?

[RANDOMIZE ORDER of 1 and 2]

- 1 - Natural shifts of tectonic plates along fault lines
- 2 - Human activities such as natural gas extraction and/or wastewater disposal
- 3 - Don't know

**ethqk\_risk\_mgmt:** On a scale from zero to ten, where zero means *not at all involved* and ten means *extremely involved*, how involved do you think the State of Oklahoma should be in [**ethqk\_risk\_rand:** "managing," "regulating"] the risks associated with earthquakes? [RANDOM ASSIGNMENT OF WORD]

- 0 - Not at all involved
- 1
- 2
- 3
- 4
- 5

- 6
- 7
- 8
- 9
- 10 - Extremely involved

**ethqk\_risk\_fed\_mgmt:** On a scale from zero to ten, where zero means *not at all involved* and ten means *extremely involved*, how involved do you think the United States government should be in [ethqk\_risk\_rand: “managing,” “regulating”] the risks associated with earthquakes? [RANDOM ASSIGNMENT OF WORD]

- 0 - Not at all involved
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10 - Extremely involved

-----End Web pg -----

The next few questions concern water and energy use at your residence.

[REQUIRED NUMERIC, DECIMALS OK]  
 What was the approximate total cost (charges for water plus taxes and other fees) of your last water bill?  
**wtr\_bill\_totcost:** \$ [VERBATIM; REQUIRE NUMERIC RESPONSE]  
**wtr\_bill\_dk:** Don’t know [CHECKBOX: 1 INDICATES SELECTED]

**wtr\_use:** As best you can recall, did you use more, less, or about the same amount of water at your residence *this spring* as you did *last spring*?  
 3 - More  
 2 - About the same amount  
 1 - Less

**wtr\_short:** Over the *past few months* (March, April and May 2017), did you experience any water shortages or water use restrictions for your residence?  
 0 - No  
 1 - Yes

-----End Web pg -----

Do you (or others in your household) maintain any of the following at your residence? Please indicate all that apply.

- mntain\_lawn** – Residential lawn
- mntain\_flwr** – Flower garden
- mntain\_veg** – Fruit and/or vegetable garden

-----End Web pg -----

[SHOW PAGE ONLY IF AT LEAST ONE BOX IS CHECKED FOR mntain\_lawn, mntain\_flwr, or mntain\_veg]

**wtr\_freq:** During *this spring*, about how frequently did you (or someone else in your household) water your residential lawn or family garden?

- 1 – Never
- 2 - Less than once a month
- 3 - Once a month
- 4 - Once a week
- 5 - A few times a week
- 6 - Daily

-----End Web pg -----

Were any of the following steps taken to decrease the amount of water used at your residence *this spring*? Please indicate all that apply. [RANDOMIZED LIST (EXCEPT “other”): 1 INDICATES SELECTED]

- wtr\_steps\_flush:** Installed a low-volume or low-flush toilet
- wtr\_steps\_flow:** Installed a low-volume or low-flow showerhead
- wtr\_steps\_bath:** Took shorter or less frequent baths or showers
- wtr\_steps\_lawn:** Watered lawn or garden less frequently
- wtr\_steps\_car:** Washed car less frequently
- wtr\_steps\_leaks:** Repaired leaks
- wtr\_steps\_ldry:** Did laundry less frequently
- wtr\_steps\_othr:** Other (please specify)
- wtr\_steps\_spec:** [VERBATIM]

-----End Web pg -----

**wtr\_qual:** Using a scale of excellent, good, fair or poor, how would you rate the overall quality of the drinking water at your residence?

- 4 - Excellent
- 3 - Good
- 2 - Fair
- 1 - Poor

**wtr\_safe:** On a scale from zero to ten, where zero means *not at all safe* and ten means *completely safe*,

how would you rate the safety of the drinking water at your residence for your health?

- 0 - Not at all safe
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10 - Completely safe

-----End Web pg -----

**wtr\_comm:** In your view, are the supplies of water in your region of Oklahoma adequate to meet the needs of your community over the next 25 years?

- 5 - Definitely yes
- 4 - Probably yes
- 3 - Unsure
- 2 - Probably no
- 1 - Definitely no

**wtr\_farm:** In your view, are the supplies of water in your region of Oklahoma adequate to meet the needs of farmers and ranchers over the next 25 years?

- 5 - Definitely yes
- 4 - Probably yes
- 3 - Unsure
- 2 - Probably no
- 1 - Definitely no

-----End Web pg -----

The next set of questions concern energy use at your residence.

Which of these energy sources did you use at your residence this spring (March, April and May 2017)? Please indicate all that apply.

- enrgy\_sourc\_elec:** Electricity
- enrgy\_sourc\_natgas:** Natural Gas
- enrgy\_sourc\_prop:** Propane or Liquefied Petroleum Gas
- enrgy\_sourc\_wood:** Wood
- enrgy\_sourc\_geo:** Geothermal
- enrgy\_sourc\_othr:** Other (please specify)
- enrgy\_sourc\_othr\_spec:** [VERBATIM]

-----End Web pg -----

[THIS PAGE ONLY DISPLAYED IF **enrgy\_sourc\_elec** IS SELECTED]

What was the approximate total cost (including taxes and other fees) of your last electricity bill? [REQUIRED NUMERIC, DECIMALS OK]

**elec\_bill\_totcost:** \$ [VERBATIM; REQUIRE NUMERIC RESPONSE]

**elec\_bill\_dk:** Don't know/Not Applicable [CHECKBOX: 1 INDICATES SELECTED]

**elec\_use:** As best you can recall, did you use more, less, or about the same amount of electricity at your residence this spring as last spring?

- 3 - More
- 2 - About the same amount
- 1 - Less

**elec\_out:** During this spring, did you experience any electricity outages at your residence?

- 0 - No
- 1 - Yes

-----End Web pg -----

[THIS PAGE ONLY DISPLAYED IF **enrgy\_sourc\_natgas** IS SELECTED]

What was the approximate total cost (including taxes and other fees) of your last natural gas bill? [REQUIRED NUMERIC, DECIMALS OK]

**gas\_bill\_totcost:** \$ [VERBATIM; REQUIRE NUMERIC RESPONSE]

**gas\_bill\_dk:** Don't know/Not Applicable [CHECKBOX: 1 INDICATES SELECTED]

**gas\_use:** As best you can recall, did you use more, less, or about the same amount of natural gas at your residence this spring as last spring?

- 3 - More
- 2 - About the same
- 1 - Less

-----End Web pg -----

Were any of the following steps taken to decrease the amount of energy used at your residence this spring? Please indicate all that apply. [RANDOMIZED LIST (EXCEPT "other"): 1 INDICATES SELECTED]

- enrgy\_steps\_lghts:** Turned lights off
- enrgy\_steps\_heat:** Turned heat down/off
- enrgy\_steps\_ac:** Turned air conditioning down/off
- enrgy\_steps\_savappl:** Installed energy saving appliances
- enrgy\_steps\_unplug:** Unplugged appliances
- enrgy\_steps\_insul:** Added insulation
- enrgy\_steps\_savdoor:** Installed energy saving doors/windows
- enrgy\_steps\_bulbs:** Installed energy saving light



bulbs

**enrgy\_steps\_othr:** Other (please specify)

**enrgy\_steps\_othr\_spec:** [VERBATIM]

-----End Web pg -----

The next several questions are about important issues facing policy makers and the people of Oklahoma today.

For each of the following issues, please rate your level of concern using a scale from zero to ten, where zero means you are *not at all concerned* and ten means you are *extremely concerned*. How concerned are you about each of the following? [RANDOMIZED TABLE]

**cnern\_secure:** Threats to the security of people in Oklahoma, including crime and terrorism

0 - Not at all Concerned

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9

10 - Extremely Concerned

**cnern\_health:** The delivery and cost of healthcare in Oklahoma

0 - Not at all Concerned

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9

10 - Extremely Concerned

**cnern\_energ:** The availability and cost of energy in Oklahoma

0 - Not at all Concerned

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8

9

10 - Extremely Concerned

**cnern\_trns:** The cost of transportation fuel in Oklahoma, such as gasoline and diesel

0 - Not at all Concerned

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9

10 - Extremely Concerned

**cnern\_tax:** The cost of state and local taxes in Oklahoma

0 - Not at all Concerned

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9

10 - Extremely Concerned

**cnern\_edu:** The cost and quality of education in Oklahoma

0 - Not at all Concerned

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9

10 - Extremely Concerned

**cnern\_econ:** The state of the Oklahoma economy, including jobs and inflation

0 - Not at all Concerned

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8

9  
10 - Extremely Concerned

**cncrn\_natres:** The preservation of natural resources in Oklahoma

0 - Not at all Concerned

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9

10 - Extremely Concerned

-----End Web pg -----

Now, for each of the following issues regarding *health* in Oklahoma, please rate your level of concern using a scale from zero to ten, where zero means you are *not at all concerned* and ten means you are *extremely concerned*. How concerned are you about each of the following? [RANDOMIZED TABLE]

**cncrn\_hlth\_pay:** The amount individuals pay for healthcare in Oklahoma

0 - Not at all Concerned

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9

10 - Extremely Concerned

**cncrn\_hlth\_pnkills:** The level of prescription pain-killer addiction in Oklahoma

0 - Not at all Concerned

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9

10 - Extremely Concerned

**cncrn\_hlth\_obesity:** The prevalence of obesity and diabetes in Oklahoma

0 - Not at all Concerned

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9

10 - Extremely Concerned

**cncrn\_hlth\_spend:** The amount the State of Oklahoma spends on health care

0 - Not at all Concerned

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9

10 - Extremely Concerned

-----End Web pg -----

The next set of questions asks about your experiences with and perceptions of the current health care system in the U.S.

On a scale from one to seven, where one means you *strongly disagree* and seven means you *strongly agree*, please respond to the following statements: [RANDOMIZED TABLE]

**gov\_hlth\_inc:** The U.S. Congress should *increase* the number of individuals covered under government sponsored health insurance programs.

- 1 – Strongly disagree
- 2
- 3
- 4
- 5
- 6
- 7 – Strongly agree

**gov\_hlth\_dec:** The U.S. Congress should *decrease* the number and types of conditions and treatments covered by government health insurance programs.

- 1 – Strongly disagree
- 2
- 3
- 4
- 5

6  
7 – Strongly agree

**gov\_mandate:** The U.S. Congress *should* require individuals to have health insurance.

1 – Strongly disagree  
2  
3  
4  
5  
6  
7 – Strongly agree

-----End Web pg -----

**aca\_fav:** As you may know, a U.S. health reform bill was signed into law in 2010. This new law was called the Affordable Care Act (ACA) and is also sometimes known as “Obamacare.” Given what you know about this law, do you have a generally favorable or generally unfavorable opinion of it?

1 - Very unfavorable  
2 - Unfavorable  
3 - Unsure  
4 - Favorable  
5 - Very favorable

The Affordable Care Act (“Obamacare”) is comprised of many different components. Have you or someone you know had experience with any of the following aspects of the Affordable Care Act? Please indicate all that apply. [1 INDICATES SELECTED; RANDOMIZE ORDER BUT KEEP EACH EXPERIENCE PAIR TOGETHER]

**aca\_me\_exch:** I have purchased health insurance through the healthcare.gov exchange.

**aca\_sik\_exch:** Someone I know has purchased health insurance through the healthcare.gov exchange.

**aca\_me\_subsidy:** I have received a subsidy for health insurance.

**aca\_sik\_subsidy:** Someone I know has received a subsidy for health insurance.

**aca\_me\_21:** My child has stayed on my insurance past the age of 21.

**aca\_sik\_21:** Someone I know has kept their child on their insurance past the age of 21.

**aca\_me\_preexst:** I have received coverage despite having a preexisting condition.

**aca\_sik\_preexst:** Someone I know has received coverage despite having a preexisting condition.

**aca\_me\_pnlty:** I have had to pay the individual shared responsibility payment (also known as the individual mandate or penalty) for not purchasing insurance.

**aca\_sik\_pnlty:** Someone I know has had to pay the individual shared responsibility payment (also known as the individual mandate or penalty) for not purchasing insurance.

-----End Web pg -----

In 2010, the Affordable Care Act (“Obamacare”) gave states an option to expand Medicaid coverage. At the time, the State of Oklahoma chose not to expand, but has the right to reconsider at any time.

[RANDOMIZE THE PRESENTATION OF THE PRO vs CON BLOCKS AND BULLETS WITHIN BLOCKS]

When discussing whether states should expand Medicaid coverage, some people say:

[PRO BLOCK]

- The majority of the increased costs (approximately 90%) are paid by the federal government
- More people will be insured, reducing the amount of uncompensated care
- Insurance through Medicaid improves health outcomes and reduces health disparities

Other people say:

[CON BLOCK]

- If the federal government cannot pay, the state will be left holding a bill it cannot afford
- Medicaid is a broken system and the money could be better used elsewhere
- Private insurers will be crowded out of the market

**ok\_exp\_med:** Do you think Oklahoma should expand Medicaid coverage under the Affordable Care Act?

0 - No, Oklahoma should not expand Medicaid coverage

1 - Yes, Oklahoma should expand Medicaid coverage

2 - Don’t know

-----End Web pg -----

**aca\_future:** Recently there has been significant attention paid to Congressional actions regarding the Affordable Care Act (“Obamacare.”) Looking to the future, what actions would you like to see the U.S. Congress take regarding the Affordable Care Act? [RANDOMIZE OPTION ORDER]

1 - Vote to repeal the ACA and work out a replacement plan later

2 - Work out a replacement plan first and then vote to repeal the ACA

- 3 - Leave the ACA in place
- 4 - Vote to repeal the ACA with no replacement plan
- 5 - Don't know

-----End Web pg -----

As you may know, the issue of global climate change has been the subject of public discussion over the last few years.

**glbcc [REQUIRED]:** In your view, are greenhouse gases, such as those resulting from the combustion of coal, oil, natural gas, and other materials, causing average global temperatures to rise?

- 0 - No
- 1 - Yes

-----End Web pg -----

**glbcc\_cert:** On a scale from zero to ten, where zero means *not at all certain* and ten means *completely certain*, how certain are you that greenhouse gases are/are not [AUTOFILL "are" IF glbcc = 1; AUTOFILL "are not" IF glbcc = 0] causing average global temperatures to rise?

- 0 - Not at all certain
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10 - Completely certain

**glbcc\_risk:** On a scale from zero to ten, where zero means *no risk* and ten means *extreme risk*, how much risk do you think global warming poses for people and the environment?

- 0 - No risk
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10 - Extreme risk

**glbwrn\_ok:** In your view, is global warming causing the weather patterns in Oklahoma to change?

- 0 - No

- 1 - Yes
- 2 - Don't know

-----End Web pg -----

The next few questions are about your life, your health, and your neighborhood.

**time\_outside:** How much time would you say you spent outdoors on a typical spring day?

- 0 - No time
- 1 - Less than 1 hour per day
- 2 - 1-2 hours per day
- 3 - 2-4 hours per day
- 4 - More than 4 hours per day

-----End Web pg -----

[SHOW **spent\_outside** ONLY IF **time\_outside** = 1, 2, 3, OR 4]

**spent\_outside:** Is this time spent outdoors for work, for recreation, or both?

- 1 - Work
- 2 - Recreation
- 3 - Both

**cmpr\_time\_outside:** Overall, would you say that you spent more, less, or about the same amount of time outdoors *this spring* (March, April and May 2017) as compared to *previous springs*?

- 3 - More time
- 2 - About the same amount of time
- 1 - Less time

-----End Web pg -----

**hlth\_status:** In general, would you say your health is:

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

-----End Web pg -----

Using a scale from one to seven, where one means you *strongly disagree* and seven means you *strongly agree*, please respond to the following statements about your neighborhood or immediate surrounding area. [RANDOMIZED TABLE]

**nghbrhd\_deal:** If there is a problem around here, the neighbors get together to deal with it.

- 1 - Strongly Disagree
- 2
- 3

4  
5  
6

7 - Strongly Agree

**nghbrhd\_close:** This is a close-knit neighborhood/area.

1 - Strongly Disagree  
2  
3  
4  
5  
6  
7 - Strongly Agree

**nghbrhd\_care:** When you get right down to it, no one in this neighborhood/area cares much about what happens to me.

1 - Strongly Disagree  
2  
3  
4  
5  
6  
7 - Strongly Agree

**nghbrhd\_not:** People in this neighborhood/area generally do not get along with each other.

1 - Strongly Disagree  
2  
3  
4  
5  
6  
7 - Strongly Agree

**nghbrhd\_eyes:** When I am away from home, I know that my neighbors will keep their eyes open for possible trouble at my place.

1 - Strongly Disagree  
2  
3  
4  
5  
6  
7 - Strongly Agree

**nghbrhd\_help:** If I needed emergency repairs at my residence, I could count on my neighbors to pitch in and help.

1 - Strongly Disagree  
2  
3  
4  
5  
6

7 - Strongly Agree

-----End Web pg -----

How frequently do you get information about the WEATHER from each of the following sources?  
[DROP DOWN CHOICES FOR EACH PROMPT:  
“Several times a day”, “About once a day”, “Several times per week”, “About once per week”, “Less than once per week”, “Never”]

**wthr\_info\_paper:** Newspapers  
**wthr\_info\_web:** Non-government Internet websites (such as weather.com)  
**wthr\_info\_govweb:** Government sponsored Internet websites (such as noaa.gov, Oklahoma Mesonet)  
**wthr\_info\_loctv:** Local TV (television) news  
**wthr\_info\_cabtv:** Cable TV (television) news (such as The Weather Channel)  
**wthr\_info\_radio:** Radio  
**wthr\_info\_fam:** Family, friends or colleagues  
**wthr\_info\_soc:** Social Media, such as Facebook and Twitter  
**wthr\_info\_phone:** Cell phone applications or automated text messages  
**wthr\_info\_othr:** Other (please specify)  
**wthr\_info\_othr\_spec:** [VERBATIM]

-----End Web pg -----

Scholars have learned that information often influences the way in which people answer survey questions. With this in mind, we are interested in whether you are taking the time to read the text that precedes each question. So, in order to demonstrate that you have read this text, please ignore the question below and click on the blue dot.

**dot\_answer:** Which of the following devices do you typically use to answer surveys on the Internet?

1 - A computer  
2 - A tablet (like an iPad or a Kindle)  
3 - A smart phone (like an Android phone or iPhone)

-----End Web pg -----

Thank you very much for your participation in the Oklahoma Weather, Society and Government Survey! We greatly appreciate your time and attention. As a token of our appreciation, you will be receiving a \$10 gift card in the mail within the next few weeks.

**giftcard\_selection:** Please select the type of gift card you would most like to receive from the four options shown below. You will be able to change your selection each time you complete the survey. Please note,

if you do not make a selection from the choices below, we will select a \$10 Walmart gift card for you.

- 1 - \$10 Walmart gift card
- 2 - \$10 7-Eleven gift card
- 3 - \$10 Sonic gift card
- 4 - \$10 Braum's gift card

To help us ensure that your gift card arrives quickly, please verify that our records are correct: [VERBA-

TIM; AUTOFILLED WITH PRIOR DATA; EDITABLE]

**confirm\_zip:** Zip: [AUTOFILL ZIP; REQUIRED 5-DIGIT NUMERIC]

**confirm\_county:** What is the name of the county where you live? [DROP DOWN LIST OF ALL OKLAHOMA COUNTIES]

-----End Web pg -----

NOTES: This dataset includes the following that do *not* correspond with questions on the instrument:

**user\_id:** respondent id

**wave\_id:** wave id

**click\_bluedot:** 1 if participant clicked blue dot instead of responding to dot\_answr

**begin\_datetime:** date/time respondent started the survey (Unix time)

**end\_datetime:** date/time respondent completed the survey (Unix time)

**time\_taken:** time between survey commencement and completion (minutes)

**is\_statewide:** 1 if participant is in the statewide sample

**is\_kiamichi:** 1 if participant lives within the Kiamichi watershed study region

**is\_payne:** 1 if participant lives within the Payne Co./Cimarron watershed study region

**is\_washita:** 1 if participant lives within the Washita watershed study region

**is\_canadian:** 1 if participant lives within the North Canadian watershed study region

**is\_okcity:** 1 if participant lives within the Oklahoma City watershed study region