Date: 9216
Survey location: Eagle
questions, you may leave them

### DEMOGRAPHIC DATA

If you are uncomfortable answering any of these questions, you may leave them blank. 1. Do you consent to participate in this research study? Yes
No – If you do not consent to participate, please do not complete this survey 2. What is your age? Fill in the blank 36 3. Which gender do you identify with? ☐ Other 4. What racial or ethnic group best describes you? White / Caucasian Hispanic or Latino ☐ Black or African American ☐ Native American / American Indian or Alaskan Native ☐ Asian / Pacific Islander ☐ Other 5. What is the ZIP Code where you currently live? Fill in the blank 6. What is the highest degree or level of school you completed? If currently enrolled, highest degree received. ☐ 8th grade or less ☐ Some high school, no diploma ☐ High school graduate, diploma or GED ☐ Some college, no degree ☐ Associates degree ☐ Bachelor's degree Master's degree A Ph.D, M.D., J.D. or similar 7. What is your total household income, including income from all members of your family, in 2017 before taxes? This figure should include salaries, wages, pensions, dividends, interest, and all other income. □ \$25,000 or less □ \$25,000 to \$49,999 □ \$50,000 to \$74,999 □ \$75,000 to \$99,999 \$100,000 or more

comp forec	smoky week in summer 2018, about how many days did you look online (either on a puter, tablet, or smartphone) for smoke-related information, such as air quality, smoke easts, or health notices?  □ 0 days □ 1 days □ 2 days □ 3 days □ 4-5 days □ 6-7 days.
15. Durin	ng summer of 2018, did you <i>ever</i> reduce your outside activities due to wildfire smoke?  ✓ Yes  ✓ No  ✓ Not applicable
reduc	ng summer of 2018, think of the <i>longest</i> period of consecutive days you reduced or nated your outdoor activities due to a smoke event. How many consecutive days did you see or eliminate activity?  0 days 1 to 2 days 3 days 4 days 5 days 6 days and more
on a p	is the <i>minimum</i> air quality index rating that would cause you to reduce your outdoor activity particular day?  Green – Good  Yellow – Moderate  Orange – Unhealthy for Sensitive Groups  Red – Unhealthy  Purple – Very Unhealthy  Maroon – Hazardous  I am not familiar with this rating
activit	is the <i>minimum</i> air quality index rating that would cause you to eliminate your outdoor you a particular day?  Green – Good  Yellow – Moderate  Orange – Unhealthy for Sensitive Groups  Red – Unhealthy  Purple – Very Unhealthy  Maroon – Hazardous  I am not familiar with this rating

motivat	lecided to limit your outdoor activity during a smoke event, what type of information led your decision to do so? [Check all that apply]  Smoke-related health problem statistics  Air quality information  Smoke forecasts  Your own visual observation (seeing the smoke outside)  Wildfire information  Advice from your doctor  Advice from family and friends
related  □ □ □ □ □ □ □ □ □ □ □	wpe of message could motivate / motivated you to take action to mitigate the risk of issues to wildfire smoke, such as staying indoors or leaving the area? [Check all that apply]  Text message Phone call Social media message Online message Message seen on television Emergency alerts Contact from family or friends
negativ	was the <i>content</i> of the message(s) that motivated you to take this action to mitigate the ve health impacts of wildfire smoke? [Check all that apply]  A short message warning about the risk (1 line of text)  A short message warning about the risk that included health or other statistics  A short statement (roughly 1 paragraph)  A visual infographic or picture  An online Q&A session (Facebook Live or Instagram Live)  A video  A conversation (either online, via phone, or in person)
or avo	The state of the s
	ou take preventive actions to reduce smoke-related health impacts in the future?  Yes – Please list the actions you might take  No Not sure

0.

24. Do you consider wildfire smoke events a natural hazard?  Yes  No  No  Not sure	
25. As a public health threat, are wildfire smoke events more important, less important, or about a important as other natural disasters, such as hurricanes or tornadoes?  Much less severe/important Somewhat less severe/important About as severe/important Somewhat more severe/important Much more severe/important	S
26. Would you consider evacuating your home only because of the wildfire smoke?  ☐ Yes, I have done this in the past.  ☐ Yes, I would consider it  ☒ No  ☐ Prefer not to answer	
HEALTH QUESTIONS	
27. Have you, or anyone in your household, experienced wildfire smoke-related illness?  ☐ Yes ☐ No ☐ Not sure	
28. Did you have any of the following symptoms during or a few days after one of the smoke ever in the summer of 2018 in the Boise area / Treasure Valley? [Check all that apply]  Wheezing or whistling in the chest  Itchy or watery eyes  Irritated eyes  Sneezing or a runny or blocked nose  Dry irritated nose / sinuses  A sore or irritated throat  A cold  A dry cough at night  A dry cough first thing in the morning  A dry cough at other times of the day  A wet cough (congestion in the chest or phlegm production)  Bronchitis  An asthma attack  Headaches  Fatigue	nts

29. Did you	use/do any of the following to help with any symptoms during the smoke event? [Check
all that	apply]
	Take medication
	Wear a mask to protect your lungs
	Take long showers
	Visit a doctor or nurse
	Visit a doctor's office for asthma or smoke-related lung issues
	Use a personal air filtration system in your home or office
	Go to buildings that have air filtration systems like the mall or public library
	Miss work due to health problems

#### Date: Survey location:

## **DEMOGRAPHIC DATA**

If you are uncomfortable answering any of these questions, you may leave them bla	i you i	ou a	are	uncomfor	table	answering	any of	these	questions,	you	may	leave	them	blar	ık.
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1.	Yes  No – If you do not consent to participate, please do not complete this survey
2.	What is your age? Fill in the blank
3.	Which gender do you identify with?  ☐ A woman  ☑ A man ☐ Other
4.	What racial or ethnic group best describes you?  White / Caucasian  Hispanic or Latino  Black or African American  Native American / American Indian or Alaskan Native  Asian / Pacific Islander  Other
5.	What is the ZIP Code where you currently live?  Fill in the blank 83616
6.	What is the highest degree or level of school you completed? If currently enrolled, highest degree received.  □ 8th grade or less □ Some high school, no diploma □ High school graduate, diploma or GED ☑ Some college, no degree □ Associates degree □ Bachelor's degree □ Master's degree □ Ph.D, M.D., J.D. or similar
7.	What is your total household income, including income from all members of your family, in 2017 before taxes? This figure should include salaries, wages, pensions, dividends, interest, and all other income.

14.	In a smoky week in summer 2018, about how many days did you look online (either on a computer, tablet, or smartphone) for smoke-related information, such as air quality, smoke forecasts, or health notices?  □ 0 days □ 1 days □ 2 days □ 3 days □ 4-5 days □ 6-7 days.
15.	During summer of 2018, did you <i>ever</i> reduce your outside activities due to wildfire smoke?  ☐ Yes ☐ No ☐ Not applicable
16.	<ul> <li>During summer of 2018, think of the <i>longest</i> period of consecutive days you reduced or eliminated your outdoor activities due to a smoke event. How many consecutive days did you reduce or eliminate activity?</li> <li>□ 0 days</li> <li>□ 1 to 2 days</li> <li>□ 3 days</li> <li>□ 4 days</li> <li>□ 5 days</li> <li>□ 6 days and more</li> </ul>
17.	. What is the <i>minimum</i> air quality index rating that would cause you to <u>reduce your outdoor activity</u> on a particular day?  ☐ Green – Good ☐ Yellow – Moderate ☐, Orange – Unhealthy for Sensitive Groups ☑ Red – Unhealthy ☐ Purple – Very Unhealthy ☐ Maroon – Hazardous ☐ I am not familiar with this rating
18.	What is the <i>minimum</i> air quality index rating that would cause you to <u>eliminate your outdoor activity</u> on a particular day?  Green – Good  Yellow – Moderate  Orange – Unhealthy for Sensitive Groups  Red – Unhealthy  Purple – Very Unhealthy  Maroon – Hazardous  I am not familiar with this rating

19. If you decide	ed to limit your outdoor activity during a smoke event, what type of information
	our decision to do so? [Check all that apply]
☐ Smc	ke-related health problem statistics
□ Air	quality information
☐ Smo	ke forecasts
☐ You	r own visual observation (seeing the smoke outside)
□ Wile	dfire information
☐ Adv	ice from your doctor
□ Adv	ice from family and friends
related to wi  Tex  Pho Soci Onli Mes	f message could motivate / motivated you to take action to mitigate the risk of issues ldfire smoke, such as staying indoors or leaving the area? [Check all that apply] to message the call all media message the message the message sage seen on television to be regency alerts tact from family or friends
negative hea ☐ A sh ☐ A sh ☐ A vi ☐ An o	e content of the message(s) that motivated you to take this action to mitigate the alth impacts of wildfire smoke? [Check all that apply] nort message warning about the risk (1 line of text) nort message warning about the risk that included health or other statistics nort statement (roughly 1 paragraph) sual infographic or picture online Q&A session (Facebook Live or Instagram Live) deo onversation (either online, via phone, or in person)
or avoid outo □, I wo ☑ Earl □ Late □ Afte	receiving a smoke warning message be most likely to impact your decision to limit door activities <i>that same day?</i> buld prefer to know the day before y morning (before 9 AM) a morning (9 AM – noon) arnoon (Noon – 5 PM) thing (5 PM or later)
□ Yes □ No	e preventive actions to reduce smoke-related health impacts in the future?  — Please list the actions you might take  sure

	Yes No Not sure
25. As a pu importa	blic health threat, are wildfire smoke events more important, less important, or about as nt as other natural disasters, such as hurricanes or tornadoes?  Much less severe/important  Somewhat less severe/important  About as severe/important  Somewhat more severe/important  Much more severe/important
	you consider evacuating your home only because of the wildfire smoke? Yes, I have done this in the past. Yes, I would consider it No Prefer not to answer
HEALTH QU	JESTIONS
	ou, or anyone in your household, experienced wildfire smoke-related illness? Yes No Not sure
in the st	have any of the following symptoms during or a few days after one of the smoke events ammer of 2018 in the Boise area / Treasure Valley? [Check all that apply] Wheezing or whistling in the chest Itchy or watery eyes Irritated eyes Sneezing or a runny or blocked nose Dry irritated nose / sinuses A sore or irritated throat A cold A dry cough at night A dry cough first thing in the morning A dry cough at other times of the day A wet cough (congestion in the chest or phlegm production) Bronchitis An asthma attack Headaches Fatigue

29. Did yo	u use/do any of the following to help with any symptoms during the smoke event? [Check
all that	apply]
	Take medication
	Wear a mask to protect your lungs
	Take long showers
	Visit a doctor or nurse
	Visit a doctor's office for asthma or smoke-related lung issues
	Use a personal air filtration system in your home or office
	Go to buildings that have air filtration systems like the mall or public library
	Miss work due to health problems

#### Date: Survey location:

#### **DEMOGRAPHIC DATA**

If you are uncomfortable answering any of these questions, you may leave them blank.

1.	Do you consent to participate in this research study?  Yes  No – If you do not consent to participate, please do not complete this survey
2.	What is your age? Fill in the blank _24
3.	Which gender do you identify with?  A woman  Other
4.	What racial or ethnic group best describes you?  White / Caucasian  Hispanic or Latino Black or African American Native American / American Indian or Alaskan Native Asian / Pacific Islander Other Other
5.	What is the ZIP Code where you currently live?  Fill in the blank
6.	What is the highest degree or level of school you completed? If currently enrolled, highest degree received.  Sth grade or less Some high school, no diploma High school graduate, diploma or GED Some college, no degree Associates degree Bachelor's degree Master's degree Ph.D, M.D., J.D. or similar
7.	What is your total household income, including income from all members of your family, in 2017 before taxes? This figure should include salaries, wages, pensions, dividends, interest, and all other income.  \$\times\$ \text{\$\frac{\text{\$\text{25,000}}{\text{ of \$\text{\$\text{\$\text{\$}}}}\$} \text{\$\text{\$\text{\$\text{\$\text{\$\text{\$}}}}\$} \text{\$\text{\$\text{\$\text{\$\text{\$}}}}\$} \$\text{\$\text{\$\text{\$\text{\$\text{\$}}}}\$} \text{\$\text{\$\text{\$\text{\$\text{\$}}}}\$} \text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$}}}}\$} \text{\$\text{\$\text{\$\text{\$\text{\$}\text{\$\text{\$\text{\$\text{\$}\text{\$\text{\$\text{\$}\text{\$\text{\$}\text{\$\text{\$\text{\$}\text{\$\text{\$\text{\$}\text{\$\text{\$\text{\$}\text{\$\text{\$}\text{\$\text{\$\text{\$}\text{\$\text{\$}\text{\$\text{\$\text{\$}\text{\$\text{\$}\text{\$\text{\$}\text{\$\text{\$}\text{\$\text{\$\text{\$}\text{\$\text{\$}\text{\$\text{\$}\text{\$\text{\$}\text{\$\text{\$}\text{\$\text{\$}\text{\$\text{\$}\text{\$\text{\$}\text{\$\text{\$}\text{\$\text{\$}\text{\$\text{\$}\text{\$\text{\$}\text{\$\text{\$}\text{\$\text{\$}\text{\$\text{\$}\text{\$\text{\$}\text{\$\text{\$}\text{\$\text{\$\text{\$}\text{\$}\text{\$\text{\$}\text{\$\text{\$}\text{\$\text{\$}\text{\$\text{\$}\text{\$\text{\$}\text{\$\text{\$}\text{\$\text{\$}\text{\$}\text{\$\text{\$}\text{\$\text{\$}\text{\$}\text{\$\text{\$}\text{\$\text{\$}\text{\$\text{\$}\text{\$}\text{\$\text{\$}\text{\$}\text{\$\text{\$}\text{\$\text{\$}\text{\$}\text{\$\text{\$}\text{\$\text{\$}\text{\$\text{\$}\text{\$\text{\$}\text{\$\text{\$}\text{\$\text{\$}\text{\$\text{\$}\text{\$\text{\$}\text{\$\text{\$}\text{\$\text{\$}\text{\$\text{\$}\text{\$\text{\$}\text{\$\text{\$}\text{\$\text{\$}\text{\$}\text{\$\text{\$}\text{\$\text{\$}\text{\$}\text{\$\text{\$}\text{\$}\text{\$}\text{\$}\text{\$}\text{\$\text{\$}\text{\$}\text{\$}\text{\$}\text{\$}\text{\$\text{\$}\text{\$}\text{\$\text{\$}\text{\$}\text{\$}\text{\$}\text{\$}\text{\$\text{\$}\text{\$}\text{\$}\text{\$}\text{\$}\text{\$}\text{\$}\text{\$\text{\$}\text{\$}\text{\$}\text{\$\text{\$}\text{\$}\text{\$}\text{\$}\text{\$}\text{\$}\text{\$}\text{\$}\text{\$\text{\$}\text{\$}\text{\$}\text{\$}\text{\$}\text{\$}\text{\$}\text{\$}\text{\$}\text{\$}\text{\$}

ACT	IVITY DATA
8.	Would you say that in general your health is:  Excellent Good Fair Poor
9.	During summer of 2018, have you engaged in any outdoor activities, such as hiking, biking, fishing, gardening, running, or any other outdoor activity?  Yes – Please list the activities  No (skip to question 11)
10	. During the summer of 2018, how often would you say you've engaged in the outdoor activities you've listed above?  ☐ Daily ☐ A few times per week ☐ Once per week ☐ Less than once per week, but more than once per month ☐ Rarely – A few times during the summer ☐ Never
AIR	QUALITY NOTIFICATION
11	During the summer of 2018, have you ever received an air quality notification message suggesting you avoid outside activity?  Yes  No
12	<ul> <li>Do you ever seek out information related to wildfire and smoke notifications?</li> <li>a. Yes</li> <li>b. No (if you answered no to both questions 11 and 12, please skip to question 15)</li> </ul>
13	. Which source do you use to find wildfire smoke notifications? [Check all that apply]  □ Social media (like Facebook, Instagram, Twitter)  □ Television  □ Online news sources  □ Newspapers  Friends or Family  □ Personal observation  □ State agencies such as Department of Environmental Quality website  □ Idaho Smoke Information Blog  □ Federal sources such as AIRnow.gov website  □ Dynamic road sign displays (such as the signs on I-184 or I-84)  □ Other

compute forecase	oky week in summer 2018, about how many days did you look online (either on a ter, tablet, or smartphone) for smoke-related information, such as air quality, smoke ts, or health notices?  0 days 1 days 2 days 3 days 4-5 days 6-7 days.
	Yes No Not applicable
elimin reduce	summer of 2018, think of the <i>longest</i> period of consecutive days you reduced or atted your outdoor activities due to a smoke event. How many consecutive days did you or eliminate activity?  1 0 days 1 1 to 2 days 1 3 days 1 4 days 1 5 days 1 6 days and more
on a p	is the minimum air quality index rating that would cause you to reduce your outdoor activity articular day?  Green – Good  Yellow – Moderate  Orange – Unhealthy for Sensitive Groups  Red – Unhealthy  Purple – Very Unhealthy  Maroon – Hazardous  I am not familiar with this rating
activit C C J Z C	is the minimum air quality index rating that would cause you to eliminate your outdoor  y on a particular day?  Green – Good  Yellow – Moderate  Orange – Unhealthy for Sensitive Groups  Red – Unhealthy  Purple – Very Unhealthy  Maroon – Hazardous  I am not familiar with this rating

10 10 1 11 1 11 1	
19. If you decided to limit your outdoor activity during a smoke event, what type of information motivated your decision to do so? [Check all that apply]	
☐ Smoke-related health problem statistics	
Air quality information	
☐ Smoke forecasts	
Your own visual observation (seeing the smoke outside)	
☐ Wildfire information	
Advice from your doctor	
☐ Advice from family and friends	
20. What type of message could motivate / motivated you to take action to mitigate the risk of issue related to wildfire smoke, such as staying indoors or leaving the area? [Check all that apply]  Text message	es
☐ Phone call	
☐ Social media message	
☐ Online message	
☐ Message seen on television	
Emergency alerts	
Contact from family or friends	
21. What was the <i>content</i> of the message(s) that motivated you to take this action to mitigate the negative health impacts of wildfire smoke? [Check all that apply]	
A short message warning about the risk (1 line of text)  A short message warning about the risk that included health or other statistics  A short statement (roughly 1 paragraph)	
☐ A visual infographic or picture	
☐ An online Q&A session (Facebook Live or Instagram Live)	
☐ A video	
☐ A conversation (either online, via phone, or in person)	
22. When would receiving a smoke warning message be most likely to impact your decision to limit or avoid outdoor activities <i>that same day?</i>	t
☐ I would prefer to know the day before	
Early morning (before 9 AM)  Late morning (9 AM – noon)	
☐ Afternoon (Noon – 5 PM)	
☐ Evening (5 PM or later)	
23. Will you take preventive actions to reduce smoke-related health impacts in the future?  \[ \sum \text{Yes} - \text{Please list the actions you might take} \] \[ \sum \text{No} \] \[ \text{Not sure} \]	
THOI SUITE	

	Yes No Not sure
importa:	blic health threat, are wildfire smoke events more important, less important, or about as nt as other natural disasters, such as hurricanes or tornadoes?  Much less severe/important  Somewhat less severe/important  About as severe/important  Somewhat more severe/important  Much more severe/important
	you consider evacuating your home only because of the wildfire smoke? Yes, I have done this in the past. Yes, I would consider it No Prefer not to answer
HEALTH QU	UESTIONS
	yes No Not sure
in the su	have any of the following symptoms during or a few days after one of the smoke events ammer of 2018 in the Boise area / Treasure Valley? [Check all that apply] Wheezing or whistling in the chest Itchy or watery eyes Irritated eyes Sneezing or a runny or blocked nose Dry irritated nose / sinuses A sore or irritated throat A cold A dry cough at night A dry cough first thing in the morning A dry cough at other times of the day A wet cough (congestion in the chest or phlegm production) Bronchitis An asthma attack Headaches Fatigue

29. Did you	use/do any of the following to help with any symptoms during the smoke event? [Check
all that a	
Ø	Take medication
	Wear a mask to protect your lungs
	Take long showers
	Visit a doctor or nurse
	Visit a doctor's office for asthma or smoke-related lung issues
	Use a personal air filtration system in your home or office
	Go to buildings that have air filtration systems like the mall or public library
Ø	Miss work due to health problems

#### Date:

## **Survey location:**

#### **DEMOGRAPHIC DATA**

If you are uncomfortable answering any of these questions, you may leave them blank.

1.	Do you consent to participate in this research study?  Yes
	□ No – If you do not consent to participate, please do not complete this survey
2.	What is your age? Fill in the blank 38
3.	Which gender do you identify with?  A woman  A man  Other
4.	What radial or ethnic group best describes you?  White / Caucasian  Hispanic or Latino Black or African American Native American / American Indian or Alaskan Native Asian / Pacific Islander Other Other
5.	What is the ZIP Code where you currently live? Fill in the blank 320 C
6.	What is the highest degree or level of school you completed? If currently enrolled, highest degree received.  But Bath grade or less Some high school, no diploma High school graduate, diploma or GED Some college, no degree Associates degree Bachelor's degree Master's degree Ph.D, M.D., J.D. or similar
7.	What is your total household income, including income from all members of your family, in 2017 before taxes? This figure should include salaries, wages, pensions, dividends, interest, and all other income.   \$\times\$ \\$\\$25,000 \text{ or } \\$49,999\$  \$\times\$ \\$50,000 \text{ to } \\$74,999\$  \$\times\$ \\$75,000 \text{ to } \\$99,999\$  \$\times\$ \\$100,000 \text{ or more}

14.	In a smoky week in summer 2018, about how many days did you look online (either on a computer, tablet, or smartphone) for smoke-related information, such as air quality, smoke forecasts, or health notices?  D days D days.
15.	During summer of 2018, did you <i>ever</i> reduce your outside activities due to wildfire smoke?  ☐ Yes ☐ No ☐ Not applicable
16.	<ul> <li>During summer of 2018, think of the <i>longest</i> period of consecutive days you reduced or eliminated your outdoor activities due to a smoke event. How many consecutive days did you reduce or eliminate activity?</li> <li>□ 0 days</li> <li>□ 1 to 2 days</li> <li>□ 3 days</li> <li>□ 4 days</li> <li>□ 5 days</li> <li>□ 6 days and more</li> </ul>
17.	. What is the <i>minimum</i> air quality index rating that would cause you to <u>reduce your outdoor activity</u> on a particular day?  ☐ Green − Good ☐ Yellow − Moderate ☐ Orange − Unhealthy for Sensitive Groups ☐ Red − Unhealthy ☐ Purple − Very Unhealthy ☐ Maroon − Hazardous ☐ I am not familiar with this rating
18.	. What is the <i>minimum</i> air quality index rating that would cause you to <u>eliminate your outdoor activity</u> on a particular day?  ☐ Green – Good ☐ Yellow – Moderate ☐ Orange – Unhealthy for Sensitive Groups ☐ Red – Unhealthy ☐ Purple – Very Unhealthy ☐ Maroon – Hazardous ☐ I am not familiar with this rating

19. If you decided to limit your outdoor activity during a smoke event, what type of information
motivated your decision to do so? [Check all that apply]
☐ Smoke-related health problem statistics
☐ Air quality information ☐ Smoke forecasts ☐ Working
☐ Smoke forecasts
☐ Your own visual observation (seeing the smoke outside)
☐ Wildfire information
☐ Advice from your doctor
☐ Advice from family and friends
20. What type of message could motivate / motivated you to take action to mitigate the risk of issues related to wildfire smoke, such as staying indoors or leaving the area? [Check all that apply]    Text message   Phone call   Social media message   Online message   Message seen on television   Emergency alerts   Contact from family or friends
21. What was the <i>content</i> of the message(s) that motivated you to take this action to mitigate the negative health impacts of wildfire smoke? [Check all that apply]  A short message warning about the risk (1 line of text)  A short message warning about the risk that included health or other statistics  A short statement (roughly 1 paragraph)  A visual infographic or picture  An online Q&A session (Facebook Live or Instagram Live)  A video  A conversation (either online, via phone, or in person)
22. When would receiving a smoke warning message be most likely to impact your decision to limit or avoid outdoor activities that same day?  I would prefer to know the day before Early morning (before 9 AM)  Late morning (9 AM – noon)  Afternoon (Noon – 5 PM)  Evening (5 PM or later)
23. Will you take preventive actions to reduce smoke-related health impacts in the future?  Yes – Please list the actions you might take  No  No  Not sure

<b>``X</b>	Yes No Not sure
importa □ □ <b>¼</b>	blic health threat, are wildfire smoke events more important, less important, or about as nt as other natural disasters, such as hurricanes or tornadoes?  Much less severe/important Somewhat less severe/important About as severe/important Somewhat more severe/important Much more severe/important
	you consider evacuating your home only because of the wildfire smoke? Yes, I have done this in the past. Yes, I would consider it No Prefer not to answer
HEALTH Q	UESTIONS
	ou, or anyone in your household, experienced wildfire smoke-related illness? Yes No Not sure
in the s	whave any of the following symptoms during or a few days after one of the smoke events ummer of 2018 in the Boise area / Treasure Valley? [Check all that apply]  Wheezing or whistling in the chest  Itchy or watery eyes  Irritated eyes  Sneezing or a runny or blocked nose  Dry irritated nose / sinuses  A sore or irritated throat  A cold  A dry cough at night  A dry cough first thing in the morning  A dry cough at other times of the day  A wet cough (congestion in the chest or phlegm production)  Bronchitis  An asthma attack  Headaches  Fatigue

29. Did	you use/do any of the following to help with any symptoms during the smoke event? [Check
all tl	hat apply]
	Take medication
	☐ Wear a mask to protect your lungs
	☐ Take long showers
	☐ Visit a doctor or nurse
	☐ Visit a doctor's office for asthma or smoke-related lung issues
	☐ Use a personal air filtration system in your home or office
	☐ Go to buildings that have air filtration systems like the mall or public library
	☐ Miss work due to health problems

Date: 9/2/18
Survey location: Eagle **DEMOGRAPHIC DATA** If you are uncomfortable answering any of these questions, you may leave 1. Do you consent to participate in this research study? No – If you do not consent to participate, please do not complete this survey 2. What is your age?
Fill in the blank 34 3. Which gender do you identify with? ☐ A woman A man ☐ Other 4. What racial or ethnic group best describes you? White / Caucasian ☐ Hispanic or Latino ☐ Black or African American ☐ Native American / American Indian or Alaskan Native ☐ Asian / Pacific Islander ☐ Other 5. What is the ZIP Code where you currently live? Fill in the blank 83686 6. What is the highest degree or level of school you completed? If currently enrolled, highest degree received. ☐ 8th grade or less ☐ Some high school, no diploma High school graduate, diploma or GED ☐ Some college, no degree ☐ Associates degree ☐ Bachelor's degree ☐ Master's degree ☐ Ph.D, M.D., J.D. or similar 7. What is your total household income, including income from all members of your family, in 2017 before taxes? This figure should include salaries, wages, pensions, dividends, interest, and all other income. □ \$25,000 or less □ \$25,000 to \$49,999 ■ \$50,000 to \$74,999 □ \$75,000 to \$99,999 □ \$100,000 or more

ACTIVITY	
0 117 11	DATA
□ <b>∑</b>	you say that in general your health is:  Excellent Good Fair Poor
fishing.	summer of 2018, have you engaged in any outdoor activities, such as hiking, biking, gardening, running, or any other outdoor activity?  Yes – Please list the activities Camping, Cycling No (skip to question 11)
you've  □  【 □ □ □ □ □ □	the summer of 2018, how often would you say you've engaged in the outdoor activities listed above?  Daily  A few times per week  Once per week  Less than once per week, but more than once per month  Rarely – A few times during the summer  Never
AIR QUALIT	TY NOTIFICATION
suggest	the summer of 2018, have you ever received an air quality notification message ing you avoid outside activity?
	Yes No
12. Do you	Yes No  ever seek out information related to wildfire and smoke notifications? a. Yes
12. Do you	Yes No ever seek out information related to wildfire and smoke notifications?

14.	In a smoky week in summer 2018, about how many days did you look online (either on a computer, tablet, or smartphone) for smoke-related information, such as air quality, smoke forecasts, or health notices?  □ 0 days □ 1 days □ 2 days □ 3 days □ 4-5 days □ 6-7 days.
15.	During summer of 2018, did you <i>ever</i> reduce your outside activities due to wildfire smoke?  ☐ Yes ☐ No ☐ Not applicable
16.	During summer of 2018, think of the <i>longest</i> period of consecutive days you reduced or eliminated your outdoor activities due to a smoke event. How many consecutive days did you reduce or eliminate activity?  \[ \begin{align*} 0 \text{ days} \\ \begin{align*} 3 \text{ days} \\ \begin{align*} 4 \text{ days} \\ \begin{align*} 5 \text{ days} \\ \begin{align*} 6 \text{ days and more} \end{align*}
17.	What is the <i>minimum</i> air quality index rating that would cause you to reduce your outdoor activity on a particular day?  ☐ Green – Good  Yellow – Moderate  Orange – Unhealthy for Sensitive Groups  Red – Unhealthy  ☐ Purple – Very Unhealthy  ☐ Maroon – Hazardous  ☐ I am not familiar with this rating
18	. What is the <i>minimum</i> air quality index rating that would cause you to <u>eliminate your outdoor activity</u> on a particular day?  ☐ Green – Good ☐ Yellow – Moderate ☐ Orange – Unhealthy for Sensitive Groups  ☑ Red – Unhealthy ☐ Purple – Very Unhealthy ☐ Maroon – Hazardous ☐ I am not familiar with this rating

motiv [ [ ] 1	a decided to limit your outdoor activity during a smoke event, what type of information vated your decision to do so? [Check all that apply]  ☐ Smoke-related health problem statistics  ✔ Air quality information  ☐ Smoke forecasts  ☐ Your own visual observation (seeing the smoke outside)  ✔ Wildfire information  ✔ Advice from your doctor  ☐ Advice from family and friends
relate [ [ [ [ [ [	type of message could motivate / motivated you to take action to mitigate the risk of issues of to wildfire smoke, such as staying indoors or leaving the area? [Check all that apply]  Text message Phone call Social media message Online message Message seen on television Emergency alerts Contact from family or friends
negat [ [ [ [	was the <i>content</i> of the message(s) that motivated you to take this action to mitigate the ive health impacts of wildfire smoke? [Check all that apply]  A short message warning about the risk (1 line of text)  A short message warning about the risk that included health or other statistics  A short statement (roughly 1 paragraph)  A visual infographic or picture  An online Q&A session (Facebook Live or Instagram Live)  A video  A conversation (either online, via phone, or in person)
or avo	would receiving a smoke warning message be most likely to impact your decision to limit bid outdoor activities that same day?  I would prefer to know the day before  Early morning (before 9 AM)  Late morning (9 AM – noon)  Afternoon (Noon – 5 PM)  Evening (5 PM or later)
L	You take preventive actions to reduce smoke-related health impacts in the future?  Yes – Please list the actions you might take  No  Not sure

	consider wildfire smoke events a natural hazard? Yes No Not sure
importa	blic health threat, are wildfire smoke events more important, less important, or about as nt as other natural disasters, such as hurricanes or tornadoes?  Much less severe/important Somewhat less severe/important About as severe/important Somewhat more severe/important Much more severe/important
□ <b>½</b>	you consider evacuating your home only because of the wildfire smoke? Yes, I have done this in the past. Yes, I would consider it No Prefer not to answer
HEALTH QU	JESTIONS
	yes No Not sure
in the s	where any of the following symptoms during or a few days after one of the smoke events animer of 2018 in the Boise area / Treasure Valley? [Check all that apply]  Wheezing or whistling in the chest Itchy or watery eyes Irritated eyes Sneezing or a runny or blocked nose Dry irritated nose / sinuses A sore or irritated throat A cold A dry cough at night A dry cough first thing in the morning A dry cough at other times of the day A wet cough (congestion in the chest or phlegm production) Bronchitis An asthma attack Headaches Fatigue

29. Did you	ı use/do any of the following to help with any symptoms during the smoke event? [Check
all that	apply]
	Take medication
	Wear a mask to protect your lungs
	Take long showers
	Visit a doctor or nurse
	Visit a doctor's office for asthma or smoke-related lung issues
	Use a personal air filtration system in your home or office
	Go to buildings that have air filtration systems like the mall or public library
	Miss work due to health problems



Date:

## Survey location:

## DEMOGRAPHIC DATA

If	you are	uncomfortable	answering	any of these	questions.	vou may	leave	them	blank.

1.	Do you consent to participate in this research study?  Yes  No – If you do not consent to participate, please do not complete this survey
2.	What is your age? Fill in the blank
3.	Which gender do you identify with?  A woman  D A man  Other
4.	What racial or ethnic group best describes you?  White / Caucasian  Hispanic or Latino  Black or African American  Native American / American Indian or Alaskan Native  Asian / Pacific Islander  Other
5.	What is the ZIP Code where you currently live? Fill in the blank
6.	What is the highest degree or level of school you completed? If currently enrolled, highest degree received.  Sth grade or less Some high school, no diploma High school graduate, diploma or GED Some college, no degree Associates degree Bachelor's degree Master's degree Ph.D, M.D., J.D. or similar
7.	What is your total household income, including income from all members of your family, in 2017 before taxes? This figure should include salaries, wages, pensions, dividends, interest, and all other income.   \$\textstyle \text{\$\frac{\$25,000 \text{ or \$\frac{\$49,999}{\$50,000 \text{ to \$\frac{\$74,999}{\$75,000 \text{ to \$\frac{\$99,999}{\$100,000 \text{ or more}}}}\$

8.	Would you say that in general your health is:  □ Excellent □ Good □ Fair □ Poor	
9.	During summer of 2018, have you engaged in any outdoor activities, such as hiking, billishing, gardening, running, or any other outdoor activity?  Yes – Please list the activities hiking, which is a constant.  No (skip to question 11)	_
10	During the summer of 2018, how often would you say you've engaged in the outdoor acyou've listed above?  Daily  A few times per week  Once per week  Less than once per week, but more than once per month  Rarely – A few times during the summer  Never	ctivit
AIR	UALITY NOTIFICATION	
11	During the summer of 2018, have you ever received an air quality notification message suggesting you avoid outside activity?   Yes  No	
12	Do you ever seek out information related to wildfire and smoke notifications?  a. Yes  b. No (if you answered no to both questions 11 and 12, please skip to question	15)
13	Which source do you use to find wildfire smoke notifications? [Check all that apply]  Social media (like Facebook, Instagram, Twitter)  Television Online news sources Newspapers Friends or Family Personal observation State agencies such as Department of Environmental Quality website Idaho Smoke Information Blog Federal sources such as AIRnow.gov website Dynamic road sign displays (such as the signs on I-184 or I-84) Other	

**ACTIVITY DATA** 

comput forecas	ter, tablet, or smartphone) for smoke-related information, such as air quality, smoke sts, or health notices?  0 days 1 days 2 days 3 days 4-5 days 6-7 days.
	summer of 2018, did you <i>ever</i> reduce your outside activities due to wildfire smoke?  Yes  No  Not applicable
elimina reduce     /2     	summer of 2018, think of the <i>longest</i> period of consecutive days you reduced or ated your outdoor activities due to a smoke event. How many consecutive days did you or eliminate activity?  0 days  1 to 2 days  3 days  4 days  5 days  6 days and more
on a pa	s the <i>minimum</i> air quality index rating that would cause you to <u>reduce your outdoor activity</u> rticular day?  Green – Good  Yellow – Moderate  Orange – Unhealthy for Sensitive Groups  Red – Unhealthy  Purple – Very Unhealthy  Maroon – Hazardous  I am not familiar with this rating
activity  □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	s the <i>minimum</i> air quality index rating that would cause you to <u>eliminate your outdoor</u> on a particular day?  Green – Good  Yellow – Moderate  Orange – Unhealthy for Sensitive Groups  Red – Unhealthy  Purple – Very Unhealthy  Maroon – Hazardous  Lam not familiar with this rating

motiva	decided to limit your outdoor activity during a smoke event, what type of information ited your decision to do so? [Check all that apply]  Smoke-related health problem statistics  Air quality information  Smoke forecasts  Your own visual observation (seeing the smoke outside)  Wildfire information  Advice from your doctor  Advice from family and friends
related 	ype of message could motivate / motivated you to take action to mitigate the risk of issues to wildfire smoke, such as staying indoors or leaving the area? [Check all that apply]  Text message Phone call  Social media message Online message Message seen on television Emergency alerts Contact from family or friends
negativ	was the <i>content</i> of the message(s) that motivated you to take this action to mitigate the ve health impacts of wildfire smoke? [Check all that apply]  A short message warning about the risk (1 line of text)  A short message warning about the risk that included health or other statistics  A short statement (roughly 1 paragraph)  A visual infographic or picture  An online Q&A session (Facebook Live or Instagram Live)  A video  A conversation (either online, via phone, or in person)
or avoi	would receiving a smoke warning message be most likely to impact your decision to limit id outdoor activities that same day?  I would prefer to know the day before  Early morning (before 9 AM)  Late morning (9 AM – noon)  Afternoon (Noon – 5 PM)  Evening (5 PM or later)
	ou take preventive actions to reduce smoke-related health impacts in the future?  Yes – Please list the actions you might take  No Not sure

. <u>4</u>	consider wildfire smoke events a natural hazard? Yes No Not sure
importa	ablic health threat, are wildfire smoke events more important, less important, or about as ant as other natural disasters, such as hurricanes or tornadoes?  Much less severe/important  Somewhat less severe/important  About as severe/important  Somewhat more severe/important  Much more severe/important
	you consider evacuating your home only because of the wildfire smoke? Yes, I have done this in the past. Yes, I would consider it No Prefer not to answer
HEALTH Q	UESTIONS
	ou, or anyone in your household, experienced wildfire smoke-related illness? Yes No Not sure
in the s	where any of the following symptoms during or a few days after one of the smoke events summer of 2018 in the Boise area / Treasure Valley? [Check all that apply]  Wheezing or whistling in the chest  Itchy or watery eyes  Irritated eyes  Sneezing or a runny or blocked nose  Dry irritated nose / sinuses  A sore or irritated throat  A cold  A dry cough at night  A dry cough first thing in the morning  A dry cough at other times of the day  A wet cough (congestion in the chest or phlegm production)  Bronchitis  An asthma attack  Headaches  Fatigue

29. Did you use/do any of the following to help with any symptoms during the smoke event? [Cl	neck
all that apply]	
☐ Take medication	
☐ Wear a mask to protect your lungs	
☐ Take long showers	*
☐ Visit a doctor or nurse	
☐ Visit a doctor's office for asthma or smoke-related lung issues	
☐ Use a personal air filtration system in your home or office	
☐ Go to buildings that have air filtration systems like the mall or public library	
☐ Miss work due to health problems	



Date: 9-3-204 Survey location:

#### **DEMOGRAPHIC DATA**

1.	Do you consent to participate in this research study?  Yes  No – If you do not consent to participate, please do not complete this survey
2.	What is your age? Fill in the blank 6
3.	Which gender do you identify with?  A woman  A man  Other
4.	What racial or ethnic group best describes you?  White / Caucasian  Hispanic or Latino  Black or African American  Native American / American Indian or Alaskan Native  Asian / Pacific Islander  Other
5.	What is the ZIP Code where you currently live? Fill in the blank 83446
6.	What is the highest degree or level of school you completed? If currently enrolled, highest degree received.  Sth grade or less Some high school, no diploma High school graduate, diploma or GED Some college, no degree Associates degree Bachelor's degree Master's degree Ph.D, M.D., J.D. or similar
7.	What is your total household income, including income from all members of your family, in 2017 before taxes? This figure should include salaries, wages, pensions, dividends, interest, and all other income.    \$25,000 or less  \$25,000 to \$49,999  \$50,000 to \$74,999  \$75,000 to \$99,999  \$100,000 or more

8.	Would you say that in general your health is:  Excellent  Good Fair Poor
9.	During summer of 2018, have you engaged in any outdoor activities, such as hiking, biking, fishing, gardening, running, or any other outdoor activity?  Yes – Please list the activities hiking, biking, walking, biking, biki
10	<ul> <li>During the summer of 2018, how often would you say you've engaged in the outdoor activities you've listed above?</li> <li>□ Daily</li> <li>⚠ A few times per week</li> <li>□ Once per week</li> <li>□ Less than once per week, but more than once per month</li> <li>□ Rarely – A few times during the summer</li> <li>□ Never</li> </ul>
AIR	QUALITY NOTIFICATION
11	<ul> <li>During the summer of 2018, have you ever received an air quality notification message suggesting you avoid outside activity?</li> <li>✓ Yes</li> <li>☐ No</li> </ul>
12	a. Yes b. No (if you answered no to both questions 11 and 12, please skip to question 15)
13	Which source do you use to find wildfire smoke notifications? [Check all that apply]  Social media (like Facebook, Instagram, Twitter)  Television Online news sources Newspapers Friends or Family Personal observation State agencies such as Department of Environmental Quality website Idaho Smoke Information Blog Federal sources such as AIRnow.gov website Dynamic road sign displays (such as the signs on I-184 or I-84) Other Other

**ACTIVITY DATA** 

composition forecases	2 days 3 days
15. During	g summer of 2018, did you <i>ever</i> reduce your outside activities due to wildfire smoke?  Yes No Not applicable
reduce	5 days
on a pa	s the <i>minimum</i> air quality index rating that would cause you to reduce your outdoor activity articular day?  Green — Good  Yellow — Moderate  Orange — Unhealthy for Sensitive Groups  Red — Unhealthy  Purple — Very Unhealthy  Maroon — Hazardous  I am not familiar with this rating
	s the minimum air quality index rating that would cause you to eliminate your outdoor on a particular day?  Green – Good  Yellow – Moderate  Orange – Unhealthy for Sensitive Groups  Red – Unhealthy  Purple – Very Unhealthy  Maroon – Hazardous  Lam not familiar with this rating

19	If you decided to limit your outdoor activity during a smoke event, what type of information motivated your decision to do so? [Check all that apply]  Smoke-related health problem statistics  Air quality information  Smoke forecasts  Your own visual observation (seeing the smoke outside)  Wildfire information  Advice from your doctor  Advice from family and friends
20	No. What type of message could motivate / motivated you to take action to mitigate the risk of issues related to wildfire smoke, such as staying indoors or leaving the area? [Check all that apply]  Text message  Phone call  Social media message  Online message  Message seen on television  Emergency alerts  Contact from family or friends
21	1. What was the <i>content</i> of the message(s) that motivated you to take this action to mitigate the negative health impacts of wildfire smoke? [Check all that apply]  A short message warning about the risk (1 line of text)  A short message warning about the risk that included health or other statistics  A short statement (roughly 1 paragraph)  A visual infographic or picture  An online Q&A session (Facebook Live or Instagram Live)  A video  A conversation (either online, via phone, or in person)
2:	<ul> <li>2. When would receiving a smoke warning message be most likely to impact your decision to limit or avoid outdoor activities that same day?</li> <li>☐ I would prefer to know the day before</li> <li>☐ Early morning (before 9 AM)</li> <li>☐ Late morning (9 AM – noon)</li> <li>☐ Afternoon (Noon – 5 PM)</li> <li>☐ Evening (5 PM or later)</li> </ul>
2	Yes – Please list the actions you might take Sky indoors  No  Not sure

	consider wildfire smoke events a natural hazard?  Yes
5	Yes No
	Not sure
importa	ablic health threat, are wildfire smoke events more important, less important, or about as ant as other natural disasters, such as hurricanes or tornadoes?  Much less severe/important Somewhat less severe/important About as severe/important Somewhat more severe/important Much more severe/important
26. Would	you consider evacuating your home only because of the wildfire smoke?
	Yes, I have done this in the past. Yes, I would consider it
	No
	Prefer not to answer
HEALTH QU	UESTIONS
27. Have yo	ou, or anyone in your household, experienced wildfire smoke-related illness?
	Yes
, $\Box$	No
	Not sure
in the s	have any of the following symptoms during or a few days after one of the smoke events ammer of 2018 in the Boise area / Treasure Valley? [Check all that apply] Wheezing or whistling in the chest Itchy or watery eyes Irritated eyes
×	Sneezing or a runny or blocked nose
<b>'</b> L	Dry irritated nose / sinuses A sore or irritated throat
	A cold
	A dry cough at night
	A dry cough first thing in the morning
X	A dry cough at other times of the day
<b>'</b> _	A wet cough (congestion in the chest or phlegm production)
	Bronchitis
	An asthma attack
	Headaches
	Fatigue

29. Did you	use/do any of the following to help with any symptoms during the smoke event? [Check
all that a	apply]
	Take medication
	Wear a mask to protect your lungs
	Take long showers
	Visit a doctor or nurse
	Visit a doctor's office for asthma or smoke-related lung issues
	Use a personal air filtration system in your home or office
	Go to buildings that have air filtration systems like the mall or public library
	Miss work due to health problems

Date:

## Survey location:

## **DEMOGRAPHIC DATA**

If you are uncomfor	table answering an	y of these o	questions,	you may	leave them	blank.
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1.	Do you consent to participate in this research study?  Yes
	$\square$ No – If you do not consent to participate, please do not complete this survey
2.	What is your age? Fill in the blank 53
3.	Which gender do you identify with?  A woman  Other
4.	What racial or ethnic group best describes you?  ☐ White / Caucasian  ☐ Hispanic or Latino  ☐ Black or African American  ☐ Native American / American Indian or Alaskan Native  ☐ Asian / Pacific Islander  ☐ Other
5.	What is the ZIP Code where you currently live? Fill in the blank 398/5
6.	What is the highest degree or level of school you completed? If currently enrolled, highest degree received.  But the highest degree or level of school you completed? If currently enrolled, highest degree or level of school you completed? If currently enrolled, highest degree or level of school you completed? If currently enrolled, highest degree or level of school you completed? If currently enrolled, highest degree or level of school you completed? If currently enrolled, highest degree or level of school you completed? If currently enrolled, highest degree or level of school you completed? If currently enrolled, highest degree or level of school you completed? If currently enrolled, highest degree or level of school you completed? If currently enrolled, highest degree or level of school you completed? If currently enrolled, highest degree or level of school you completed? If currently enrolled, highest degree or level of school you completed? If currently enrolled, highest degree or level of school you completed? If currently enrolled, highest degree or level of school you completed? If currently enrolled, highest degree or level of school you completed? If currently enrolled, highest degree or level of school you completed? If currently enrolled, highest degree or level of school you completed? If currently enrolled, highest degree or level or le
7.	What is your total household income, including income from all members of your family, in 2017 before taxes? This figure should include salaries, wages, pensions, dividends, interest, and all other income.  □ \$25,000 or less □ \$25,000 to \$49,999 □ \$50,000 to \$74,999 □ \$75,000 to \$99,999 □ \$100,000 or more

ACTIVITY DATA
<ul> <li>8. Would you say that in general your health is:</li> <li>☐ Excellent</li> <li>☐ Good</li> <li>☐ Fair</li> <li>☐ Poor</li> </ul>
9. During summer of 2018, have you engaged in any outdoor activities, such as hiking, biking, fishing, gardening, running, or any other outdoor activity?  Yes – Please list the activities <a href="#">CAMPing/Fishing</a>
□ No (skip to question 11)
10. During the summer of 2018, how often would you say you've engaged in the outdoor activities you've listed above?  □ Daily □ A few times per week
<ul> <li>□ Once per week</li> <li>□ Less than once per week, but more than once per month</li> <li>□ Rarely – A few times during the summer</li> <li>□ Never</li> </ul>
AIR QUALITY NOTIFICATION
<ul> <li>11. During the summer of 2018, have you ever received an air quality notification message suggesting you avoid outside activity?</li> <li>✓ Yes</li> <li>☐ No</li> </ul>
12. Do you ever seek out information related to wildfire and smoke notifications?
b. No (if you answered no to both questions 11 and 12, please skip to question 15)
13. Which source do you use to find wildfire smoke notifications? [Check all that apply]  Social media (like Facebook, Instagram, Twitter)  Television  Online news sources  Newspapers  Friends or Family  Personal observation
State agencies such as Department of Environmental Quality website  Idaho Smoke Information Blog
Federal sources such as AIRnow.gov website  Dynamic road sign displays (such as the signs on I-184 or I-84)
□ Other

con	smoky week in summer 2018, about how many days did you look online (either on a apputer, tablet, or smartphone) for smoke-related information, such as air quality, smoke exasts, or health notices?  □ 0 days □ 1 days □ 2 days □ 3 days □ 4-5 days □ 4-5 days
15. Dur	ring summer of 2018, did you <i>ever</i> reduce your outside activities due to wildfire smoke?  ✓ Yes  ✓ No  ✓ Not applicable
elin	ring summer of 2018, think of the <i>longest</i> period of consecutive days you reduced or minated your outdoor activities due to a smoke event. How many consecutive days did you use or eliminate activity?  □ 0 days □ 1 to 2 days □ 3 days □ 4 days □ 5 days □ 6 days and more
	at is the minimum air quality index rating that would cause you to reduce your outdoor activity a particular day?  Green – Good  Yellow – Moderate  Orange – Unhealthy for Sensitive Groups  Red – Unhealthy  Purple – Very Unhealthy  Maroon – Hazardous  I am not familiar with this rating
	at is the <i>minimum</i> air quality index rating that would cause you to eliminate your outdoor vity on a particular day?  Green – Good  Yellow – Moderate  Orange – Unhealthy for Sensitive Groups  Red – Unhealthy  Purple – Very Unhealthy  Maroon – Hazardous  I am not familiar with this rating

motivar	decided to limit your outdoor activity during a smoke event, what type of information ted your decision to do so? [Check all that apply]  Smoke-related health problem statistics  Air quality information  Smoke forecasts  Your own visual observation (seeing the smoke outside)  Wildfire information  Advice from your doctor  Advice from family and friends
related (Z)	ype of message could motivate / motivated you to take action to mitigate the risk of issues to wildfire smoke, such as staying indoors or leaving the area? [Check all that apply]  Text message Phone call Social media message Online message Message seen on television Emergency alerts Contact from family or friends
negativ	vas the <i>content</i> of the message(s) that motivated you to take this action to mitigate the re health impacts of wildfire smoke? [Check all that apply]  A short message warning about the risk (1 line of text)  A short message warning about the risk that included health or other statistics  A short statement (roughly 1 paragraph)  A visual infographic or picture  An online Q&A session (Facebook Live or Instagram Live)  A video  A conversation (either online, via phone, or in person)
or avoid	would receiving a smoke warning message be most likely to impact your decision to limit d outdoor activities that same day?  I would prefer to know the day before  Early morning (before 9 AM)  Late morning (9 AM – noon)  Afternoon (Noon – 5 PM)  Evening (5 PM or later)
	Yes – Please list the actions you might takeNot sure

important	lic health threat, are wildfire smoke events more important, less important, or about as a sother natural disasters, such as hurricanes or tornadoes?  Much less severe/important  Somewhat less severe/important  Somewhat more severe/important  Much more severe/important
	ou consider evacuating your home only because of the wildfire smoke? Yes, I have done this in the past. Yes, I would consider it No Prefer not to answer
HEALTH QUE	ESTIONS
in the sun	nave any of the following symptoms during or a few days after one of the smoke events of 2018 in the Boise area / Treasure Valley? [Check all that apply]  Wheezing or whistling in the chest to the chest of the che

29. Did you use/do any of the following to help with any symptoms during the smoke event? [Check
all that apply]
Take medication
☐ Wear a mask to protect your lungs
Take long showers
☐ Visit a doctor or nurse
☐ Visit a doctor's office for asthma or smoke-related lung issues
Use a personal air filtration system in your home or office
☐ Go to buildings that have air filtration systems like the mall or public library
☐ Miss work due to health problems

## Date:

### **Survey location:**

### **DEMOGRAPHIC DATA**

1.	Do you consent to participate in this research study?  ✓ Yes  ✓ No – If you do not consent to participate, please do not complete this survey
2.	What is your age? Fill in the blank
3.	Which gender do you identify with?  A woman  A man  Other
4.	What racial or ethnic group best describes you?  ☐ White / Caucasian ☐ Hispanic or Latino ☐ Black or African American ☐ Native American / American Indian or Alaskan Native ☐ Asian / Pacific Islander ☐ Other
5.	What is the ZIP Code where you currently live? Fill in the blank
6.	What is the highest degree or level of school you completed? If currently enrolled, highest degree received.  But grade or less Some high school, no diploma High school graduate, diploma or GED Some college, no degree Associates degree Bachelor's degree Master's degree Ph.D, M.D., J.D. or similar
7.	What is your total household income, including income from all members of your family, in 2017 before taxes? This figure should include salaries, wages, pensions, dividends, interest, and all other income.    \$25,000 or less  \$25,000 to \$49,999  \$50,000 to \$74,999  \$75,000 to \$99,999  \$100,000 or more

ACTIVI	TY DATA
8. W	ould you say that in general your health is:  Excellent Good Fair Poor
0 D	
9. Dt	wring summer of 2018, have you engaged in any outdoor activities, such as hiking, biking, hing, gardening, running, or any other outdoor activity?  Yes – Please list the activities  No (skip to question 11)
	garden
	uring the summer of 2018, how often would you say you've engaged in the outdoor activities u've listed above?  Daily  A few times per week  Once per week
	<ul> <li>□ Less than once per week, but more than once per month</li> <li>□ Rarely – A few times during the summer</li> <li>□ Never</li> </ul>
AIR QU	ALITY NOTIFICATION
11. Du sug	ring the summer of 2018, have you ever received an air quality notification message ggesting you avoid outside activity?  Yes  No
12. Do	you ever seek out information related to wildfire and smoke notifications?
	□ a. Yes □ b. No (if you answered no to both questions 11 and 12, please skip to question 15)
13. WI	nich source do you use to find wildfire smoke notifications? [Check all that apply]
201 112	☐ Social media (like Facebook, Instagram, Twitter)
	☐ Television ☐ Online news sources
	□ Newspapers
	☐ Friends or Family ☐ Personal observation
	State agencies such as Department of Environmental Quality website
	☐ Idaho Smoke Information Blog
	<ul> <li>☐ Federal sources such as AIRnow.gov website</li> <li>☐ Dynamic road sign displays (such as the signs on I-184 or I-84)</li> </ul>
	Other

14.	In a smoky week in summer 2018, about how many days did you look online (either on a computer, tablet, or smartphone) for smoke-related information, such as air quality, smoke forecasts, or health notices?  □ 0 days □ 1 days □ 2 days □ 3 days □ 4-5 days □ 6-7 days.
15.	During summer of 2018, did you <i>ever</i> reduce your outside activities due to wildfire smoke?  ✓ Yes  ☐ No  ☐ Not applicable
16.	During summer of 2018, think of the <i>longest</i> period of consecutive days you reduced or eliminated your outdoor activities due to a smoke event. How many consecutive days did you reduce or eliminate activity?  □ 0 days □ 1 to 2 days □ 3 days □ 4 days □ 5 days □ 6 days and more
17.	What is the <i>minimum</i> air quality index rating that would cause you to reduce your outdoor activity on a particular day?  Green – Good  Yellow – Moderate  Orange – Unhealthy for Sensitive Groups  Red – Unhealthy  Purple – Very Unhealthy  Maroon – Hazardous  I am not familiar with this rating
18.	What is the minimum air quality index rating that would cause you to eliminate your outdoor activity on a particular day?  Green – Good  Yellow – Moderate  Orange – Unhealthy for Sensitive Groups  Red – Unhealthy  Purple – Very Unhealthy  Maroon – Hazardous  I am not familiar with this rating

	decided to limit your outdoor activity during	
	tted your decision to do so? [Check all that ap	pplyJ
	Smoke-related health problem statistics	
	Air quality information	
	Smoke forecasts	
	Your own visual observation (seeing the sn	noke outside)
	Wildfire information	
	Advice from your doctor	
	Advice from family and friends	
related ☑	to wildfire smoke, such as staying indoors of Text message Phone call	ou to take action to mitigate the risk of issues leaving the area? [Check all that apply]
	Social media message	
	Online message	
K)	Message seen on television Emergency alerts	
	Contact from family or friends	
	Contact from failing of friends	
negativ	vas the <i>content</i> of the message(s) that motivally be health impacts of wildfire smoke? [Check A short message warning about the risk (1 In A short message warning about the risk that A short statement (roughly 1 paragraph) A visual infographic or picture An online Q&A session (Facebook Live or A video A conversation (either online, via phone, or	all that apply] ine of text) t included health or other statistics  Instagram Live)
or avoid	would receiving a smoke warning message bed outdoor activities that same day?  I would prefer to know the day before Early morning (before 9 AM)  Late morning (9 AM – noon)  Afternoon (Noon – 5 PM)  Evening (5 PM or later)	e most likely to impact your decision to limit
	ou take preventive actions to reduce smoke-red Yes – Please list the actions you might take No Not sure	

	consider wildfire smoke events a natural hazard? Yes No Not sure
importar	blic health threat, are wildfire smoke events more important, less important, or about as at as other natural disasters, such as hurricanes or tornadoes?  Much less severe/important  Somewhat less severe/important  About as severe/important  Somewhat more severe/important  Much more severe/important
	You consider evacuating your home only because of the wildfire smoke? Yes, I have done this in the past. Yes, I would consider it No Prefer not to answer
HEALTH QU	UESTIONS
	yu, or anyone in your household, experienced wildfire smoke-related illness? Yes No Not sure
in the su	have any of the following symptoms during or a few days after one of the smoke events immer of 2018 in the Boise area / Treasure Valley? [Check all that apply] Wheezing or whistling in the chest Itchy or watery eyes Irritated eyes Sneezing or a runny or blocked nose Dry irritated nose / sinuses A sore or irritated throat A cold A dry cough at night A dry cough first thing in the morning A dry cough at other times of the day A wet cough (congestion in the chest or phlegm production) Bronchitis An asthma attack Headaches Fatigue

29	. Did you use/do any of the following to help with any symptoms during the smoke event?   Check
	all that apply]
	☐ Take medication
	☐ Wear a mask to protect your lungs
	☐ Take long showers
	☐ Visit a doctor or nurse
	☐ Visit a doctor's office for asthma or smoke-related lung issues
	Use a personal air filtration system in your home or office
	Go to buildings that have air filtration systems like the mall or public library
	☐ Miss work due to health problems

Date: 9-2-18 Survey location: eagle

#### **DEMOGRAPHIC DATA**

1.	Do you consent to participate in this research study?  Yes  No – If you do not consent to participate, please do not complete this survey
2.	What is your age? Fill in the blank
3.	Which gender do you identify with?  A woman  A man  Other
4.	What racial or ethnic group best describes you?  White / Caucasian  Hispanic or Latino  Black or African American  Native American / American Indian or Alaskan Native  Asian / Pacific Islander  Other
5.	What is the ZIP Code where you currently live? Fill in the blank 5703
6.	What is the highest degree or level of school you completed? If currently enrolled, highest degree received.  □ 8th grade or less □ Some high school, no diploma □ High school graduate, diploma or GED □ Some college, no degree □ Associates degree □ Bachelor's degree □ Master's degree □ Ph.D, M.D., J.D. or similar
7.	What is your total household income, including income from all members of your family, in 2017 before taxes? This figure should include salaries, wages, pensions, dividends, interest, and all other income.   \$\sum_{\text{\$\frac{\text{\$\text{25,000}}{\$\text{\$\tex

14.	In a smoky week in summer 2018, about how many days did you look online (either on a computer, tablet, or smartphone) for smoke-related information, such as air quality, smoke forecasts, or health notices?  □ 0 days □ 1 days □ 2 days □ 3 days □ 4-5 days □ 6-7 days.
15.	During summer of 2018, did you <i>ever</i> reduce your outside activities due to wildfire smoke?  Yes  No  Not applicable
16.	During summer of 2018, think of the <i>longest</i> period of consecutive days you reduced or eliminated your outdoor activities due to a smoke event. How many consecutive days did you reduce or eliminate activity?
17	. What is the minimum air quality index rating that would cause you to reduce your outdoor activity on a particular day?  ☐ Green – Good  ☐ Yellow – Moderate ☐ Orange – Unhealthy for Sensitive Groups ☐ Red – Unhealthy ☐ Purple – Very Unhealthy ☐ Maroon – Hazardous ☐ I am not familiar with this rating
18	. What is the <i>minimum</i> air quality index rating that would cause you to <u>eliminate your outdoor</u> <u>activity</u> on a particular day?  Green – Good  Yellow – Moderate Orange – Unhealthy for Sensitive Groups Red – Unhealthy Purple – Very Unhealthy Maroon – Hazardous I am not familiar with this rating

motivated your decision to do so? [Check all that apply]  Smoke-related health problem statistics  Air quality information  Smoke forecasts  Your own visual observation (seeing the smoke outside)  Wildfire information  Advice from your doctor  Advice from family and friends	of information
20. What type of message could motivate / motivated you to take action to mitigat related to wildfire smoke, such as staying indoors or leaving the area? [Check Text message  Phone call  Social media message Online message Message seen on television Emergency alerts Contact from family or friends	e the risk of issues all that apply]
21. What was the <i>content</i> of the message(s) that motivated you to take this action to negative health impacts of wildfire smoke? [Check all that apply]  ☐ A short message warning about the risk (1 line of text)  ☐ A short message warning about the risk that included health or other so ☐ A short statement (roughly 1 paragraph)  ☐ A visual infographic or picture  ☐ An online Q&A session (Facebook Live or Instagram Live)  ☐ A video  ☐ A conversation (either online, via phone, or in person)	
22. When would receiving a smoke warning message be most likely to impact you or avoid outdoor activities that same day?  ☐ I would prefer to know the day before ☐ Early morning (before 9 AM) ☐ Late morning (9 AM – noon) ☐ Afternoon (Noon – 5 PM) ☐ Evening (5 PM or later)	r decision to limit
23. Will you take preventive actions to reduce smoke-related health impacts in the Yes – Please list the actions you might take No	future?

T.O.

DEC.	consider wildfire smoke events a natural hazard? Yes No Not sure
importa	blic health threat, are wildfire smoke events more important, less important, or about as nt as other natural disasters, such as hurricanes or tornadoes?  Much less severe/important Somewhat less severe/important About as severe/important Somewhat more severe/important Much more severe/important
	you consider evacuating your home only because of the wildfire smoke? Yes, I have done this in the past. Yes, I would consider it No Prefer not to answer
HEALTH QU	JESTIONS
	ou, or anyone in your household, experienced wildfire smoke-related illness? Yes No Not sure
in the s	have any of the following symptoms during or a few days after one of the smoke events ammer of 2018 in the Boise area / Treasure Valley? [Check all that apply]  Wheezing or whistling in the chest Itchy or watery eyes Irritated eyes Sneezing or a runny or blocked nose Dry irritated nose / sinuses A sore or irritated throat A cold A dry cough at night A dry cough first thing in the morning A dry cough at other times of the day A wet cough (congestion in the chest or phlegm production) Bronchitis An asthma attack Headaches Fatigue

29. Did you use/do any of the following to help with any symptoms during the smoke event? [Checl
all that apply]
☐ Take medication
☐ Wear a mask to protect your lungs
☐ Take long showers
Visit a doctor or nurse
Visit a doctor's office for asthma or smoke-related lung issues
Use a personal air filtration system in your home or office
☐ Go to buildings that have air filtration systems like the mall or public library
☐ Miss work due to health problems

Date: 9-2-18 Survey location: EASLE ISLAND STATE PARK

#### **DEMOGRAPHIC DATA**

1.	Do you consent to participate in this research study?  ☐ Yes ☐ No – If you do not consent to participate, please do not complete this survey
2.	What is your age? Fill in the blank
3.	Which gender do you identify with?  A woman  A man  Other
4.	What racial or ethnic group best describes you?  White / Caucasian  Hispanic or Latino Black or African American Native American / American Indian or Alaskan Native Asian / Pacific Islander Other Other
5.	What is the ZIP Code where you currently live?  Fill in the blank 83701
6.	What is the highest degree or level of school you completed? If currently enrolled, highest degree received.  Bth grade or less Some high school, no diploma High school graduate, diploma or GED Some college, no degree Associates degree Bachelor's degree Master's degree Ph.D, M.D., J.D. or similar
7.	What is your total household income, including income from all members of your family, in 2017 before taxes? This figure should include salaries, wages, pensions, dividends, interest, and all other income.  \$\sum_{\$\text{\$\tex{

8.	Would you say that in general your health is:  Excellent  Good  Fair  Poor
9.	During summer of 2018, have you engaged in any outdoor activities, such as hiking, biking, fishing, gardening, running, or any other outdoor activity?  ☐ Yes − Please list the activities ☐ No (skip to question 11)
10	During the summer of 2018, how often would you say you've engaged in the outdoor activities you've listed above?  □ Daily □ A few times per week □ Once per week □ Less than once per week, but more than once per month □ Rarely – A few times during the summer □ Never
AIR	QUALITY NOTIFICATION
11	<ul> <li>During the summer of 2018, have you ever received an air quality notification message suggesting you avoid outside activity?</li> <li>☐ Yes</li> <li>☐ No</li> </ul>
12	Do you ever seek out information related to wildfire and smoke notifications?  ☐ a. Yes ☐ b. No (if you answered no to both questions 11 and 12, please skip to question 15)
13	Which source do you use to find wildfire smoke notifications? [Check all that apply]  Social media (like Facebook, Instagram, Twitter)  Television Online news sources Newspapers Friends or Family Personal observation State agencies such as Department of Environmental Quality website Idaho Smoke Information Blog Federal sources such as AIRnow.gov website Dynamic road sign displays (such as the signs on I-184 or I-84) Other

ACTIVITY DATA

C	n a smoky week in summer 2018, about how many days did you look online (either on a computer, tablet, or smartphone) for smoke-related information, such as air quality, smoke forecasts, or health notices?  1 days 2 days 3 days 4-5 days 6-7 days.
15. I	During summer of 2018, did you <i>ever</i> reduce your outside activities due to wildfire smoke?  ☐ Yes ☐ No ☐ Not applicable
(	During summer of 2018, think of the <i>longest</i> period of consecutive days you reduced or eliminated your outdoor activities due to a smoke event. How many consecutive days did you reduce or eliminate activity?   O days  1 to 2 days  3 days  4 days  5 days  6 days and more
	What is the <i>minimum</i> air quality index rating that would cause you to reduce your outdoor activity on a particular day?  Green – Good  Yellow – Moderate  Orange – Unhealthy for Sensitive Groups  Red – Unhealthy  Purple – Very Unhealthy  Maroon – Hazardous  I am not familiar with this rating
	What is the <i>minimum</i> air quality index rating that would cause you to eliminate your outdoor activity on a particular day?  Green – Good  Yellow – Moderate  Orange – Unhealthy for Sensitive Groups  Red – Unhealthy  Purple – Very Unhealthy  Maroon – Hazardous  Lam not familiar with this rating

*** ***
19. If you decided to limit your outdoor activity during a smoke event, what type of information motivated your decision to do so? [Check all that apply]
☐ Smoke-related health problem statistics
☐ Air quality information
☐ Smoke forecasts
☐ Your own visual observation (seeing the smoke outside)
☐ Wildfire information
Advice from your doctor
Advice from family and friends
2 ravice from family and mends
20. What type of message could motivate / motivated you to take action to mitigate the risk of issue
related to wildfire smoke, such as staying indoors or leaving the area? [Check all that apply]
☐ Text message
Phone call
☑ Social media message
Online message
<ul><li>☐ Message seen on television</li><li>☐ Emergency alerts</li></ul>
☐ Contact from family or friends
21. What was the <i>content</i> of the message(s) that motivated you to take this action to mitigate the negative health impacts of wildfire smoke? [Check all that apply]  A short message warning about the risk (1 line of text)  A short message warning about the risk that included health or other statistics  A short statement (roughly 1 paragraph)  A visual infographic or picture  An online Q&A session (Facebook Live or Instagram Live)  A video  A conversation (either online, via phone, or in person)
<ul> <li>22. When would receiving a smoke warning message be most likely to impact your decision to limit or avoid outdoor activities that same day?</li> <li>☐ I would prefer to know the day before</li> <li>☐ Early morning (before 9 AM)</li> <li>☐ Late morning (9 AM – noon)</li> <li>☐ Afternoon (Noon – 5 PM)</li> <li>☐ Evening (5 PM or later)</li> </ul>
23. Will you take preventive actions to reduce smoke-related health impacts in the future?  ☐ Yes − Please list the actions you might take ☐ No ☐ No ☐ Not sure

☑ Ye □ No	
important a □ Mu □ Soi ☑ Ab □ Soi	health threat, are wildfire smoke events more important, less important, or about as so ther natural disasters, such as hurricanes or tornadoes? ach less severe/important mewhat less severe/important out as severe/important mewhat more severe/important ach more severe/important ach more severe/important
□ Ye □ Xe □ No	consider evacuating your home only because of the wildfire smoke? s, I have done this in the past. s, I would consider it efer not to answer
HEALTH QUES	TIONS
27. Have you, o ☐ Ye ☐ No	
in the sumr	ve any of the following symptoms during or a few days after one of the smoke events mer of 2018 in the Boise area / Treasure Valley? [Check all that apply] heezing or whistling in the chest hy or watery eyes itated eyes eezing or a runny or blocked nose y irritated nose / sinuses sore or irritated throat cold dry cough at night dry cough first thing in the morning dry cough at other times of the day wet cough (congestion in the chest or phlegm production) onchitis a asthma attack eadaches tigue

29.	. Did you use/do any of the following to help with any symptoms during the smoke event? [Check
	all that apply]
	☐ Take medication
	☐ Wear a mask to protect your lungs
	☐ Take long showers
	☐ Visit a doctor or nurse
	☐ Visit a doctor's office for asthma or smoke-related lung issues
	☐ Use a personal air filtration system in your home or office
	☐ Go to buildings that have air filtration systems like the mall or public library
	☐ Miss work due to health problems
	NA

	Date: 8-2-18 Survey location: Eagle Soland Pan	L
	MOGRAPHIC DATA u are uncomfortable answering any of these questions, you may leave them blank.	<i>7</i> 1
1.	Do you consent to participate in this research study?  Yes  No – If you do not consent to participate, please do not complete this survey	
2.	What is your age? Fill in the blank 10	
3.	Which gender do you identify with?  A woman  A man  Other	
4.	What racial or ethnic group best describes you?  White / Caucasian  Hispanic or Latino  Black or African American  Native American / American Indian or Alaskan Native  Asian / Pacific Islander  Other	
5.	What is the ZIP Code where you currently live?  Fill in the blank	
6.	What is the highest degree or level of school you completed? If currently enrolled, highest degreeived.  Bth grade or less Some high school, no diploma High school graduate, diploma or GED Some college, no degree Associates degree Bachelor's degree Master's degree Ph.D, M.D., J.D. or similar	ŗree
7.	What is your total household income, including income from all members of your family, in 2 before taxes? This figure should include salaries, wages, pensions, dividends, interest, and all other income.  \$\Begin{align*} \\$25,000 \text{ or } \\$49,999 \\ \\$50,000 \text{ to } \\$74,999 \\ \\$75,000 \text{ to } \\$99,999 \\ \\$100,000 \text{ or more} \\$\}	017

ACT	IVITY DATA
8.	Would you say that in general your health is:  Excellent Good Fair Poor
9.	During summer of 2018, have you engaged in any outdoor activities, such as hiking, biking, fishing, gardening, running, or any other outdoor activity?  Yes – Please list the activities  No (skip to question 11)
10	<ul> <li>During the summer of 2018, how often would you say you've engaged in the outdoor activities you've listed above?</li> <li>□ Daily</li> <li>□ A few times per week</li> <li>□ Once per week</li> <li>□ Less than once per week, but more than once per month</li> <li>□ Rarely – A few times during the summer</li> <li>□ Never</li> </ul>
AIR	QUALITY NOTIFICATION
11	<ul> <li>During the summer of 2018, have you ever received an air quality notification message suggesting you avoid outside activity?</li> <li>Yes</li> <li>No</li> </ul>
12	. Do you ever seek out information related to wildfire and smoke notifications?
	a. Yes  b. No (if you answered no to both questions 11 and 12, please skip to question 15)
13	Which source do you use to find wildfire smoke notifications? [Check all that apply]  Social media (like Facebook, Instagram, Twitter)  Television  Online news sources  Newspapers  Friends or Family  Personal observation  State agencies such as Department of Environmental Quality website  Idaho Smoke Information Blog  Federal sources such as AIRnow.gov website  Dynamic road sign displays (such as the signs on I-184 or I-84)

14.	In a smoky week in summer 2018, about how many days did you look online (either computer, tablet, or smartphone) for smoke-related information, such as air quality, forecasts, or health notices?  O days	
15.	<ul> <li>During summer of 2018, did you <i>ever</i> reduce your outside activities due to wildfire</li> <li>☐ Yes</li> <li>☐ No</li> <li>☐ Not applicable</li> </ul>	smoke?
16.	During summer of 2018, think of the <i>longest</i> period of consecutive days you reduce eliminated your outdoor activities due to a smoke event. How many consecutive day reduce or eliminate activity?  \[ \begin{align*} 0 \text{ days} \\ \begin{align*} 1 \text{ to 2 days} \\ \begin{align*} 3 \text{ days} \\ \begin{align*} 4 \text{ days} \\ \begin{align*} 5 \text{ days} \\ \begin{align*} 6 \text{ days and more} \end{align*}	ed or <u>ys</u> did you
17.	. What is the <i>minimum</i> air quality index rating that would cause you to reduce your con a particular day?  Green – Good Yellow – Moderate Orange – Unhealthy for Sensitive Groups  Red – Unhealthy Purple – Very Unhealthy Maroon – Hazardous I am not familiar with this rating	outdoor activity
18.	. What is the minimum air quality index rating that would cause you to eliminate you activity on a particular day?  Green — Good Yellow — Moderate Orange — Unhealthy for Sensitive Groups Red — Unhealthy Purple — Very Unhealthy Maroon — Hazardous I am not familiar with this rating	<u>ir outdoor</u>

19. If you decided to limit your outdoor activity during a smoke event, what type of information motivated your decision to do so? [Check all that apply]  Smoke-related health problem statistics  Air quality information  Smoke forecasts  Your own visual observation (seeing the smoke outside)  Wildfire information  Advice from your doctor  Advice from family and friends
20. What type of message could motivate / motivated you to take action to mitigate the risk of issues related to wildfire smoke, such as staying indoors or leaving the area? [Check all that apply]  Text message  Phone call Social media message Online message Message seen on television Emergency alerts Contact from family or friends
21. What was the <i>content</i> of the message(s) that motivated you to take this action to mitigate the negative health impacts of wildfire smoke? [Check all that apply]  A short message warning about the risk (1 line of text)  A short message warning about the risk that included health or other statistics  A short statement (roughly 1 paragraph)  A visual infographic or picture  An online Q&A session (Facebook Live or Instagram Live)  A video  A conversation (either online, via phone, or in person)
22. When would receiving a smoke warning message be most likely to impact your decision to limit or avoid outdoor activities <i>that same day?</i> ☐ Lwould prefer to know the day before ☐ Early morning (before 9 AM) ☐ Late morning (9 AM − noon) ☐ Afternoon (Noon − 5 PM) ☐ Evening (5 PM or later)
23. Will you take preventive actions to reduce smoke-related health impacts in the future?  Yes - Please list the actions you might take  No  Not sure  Ward exposure to floor  Guality an

24. Do you consider wildfire smoke events a natural hazard?  Yes  No  Not sure
<ul> <li>25. As a public health threat, are wildfire smoke events more important, less important, or about as important as other natural disasters, such as hurricanes or tornadoes?</li> <li>Much less severe/important</li> <li>Somewhat less severe/important</li> <li>About as severe/important</li> <li>Somewhat more severe/important</li> <li>Much more severe/important</li> </ul>
26. Would you consider evacuating your home only because of the wildfire smoke?  ☐ Yes, I have done this in the past.  ☐ Yes, I would consider it  ☐ No  ☐ Prefer not to answer
HEALTH QUESTIONS
27. Have you, or anyone in your household, experienced wildfire smoke-related illness?  ✓ Yes  ✓ No  ✓ Not sure
28. Did you have any of the following symptoms during or a few days after one of the smoke event in the summer of 2018 in the Boise area / Treasure Valley? [Check all that apply]  Wheezing or whistling in the chest  Itchy or watery eyes  Irritated eyes  Sneezing or a runny or blocked nose  Dry irritated nose / sinuses  A sore or irritated throat  A cold  A dry cough at night  A dry cough first thing in the morning  A dry cough at other times of the day  A wet cough (congestion in the chest or phlegm production)  Bronchitis  An asthma attack  Headaches  Fatigue

29. Did you use/do any of the following to help with any symptoms during the smoke event? [Check
all that apply]
Take medication
Wear a mask to protect your lungs
☐ Take long showers
☐ Visit a doctor or nurse
Visit a doctor's office for asthma or smoke-related lung issues
☐ Use a personal air filtration system in your home or office
Go to buildings that have air filtration systems like the mall or public library  Miss work due to health problems
= 1.1100 Work day to Health Proofethin

Date: 9/2/18
Survey location: Eagle

#### **DEMOGRAPHIC DATA**

If you are uncomfortable answering any of these questions, you may leave them blank.

1. Do you consent to participate in this research study?

	Yes  No – If you do not consent to participate, please do not complete this survey
2.	What is your age? Fill in the blank 14
3.	Which gender do you identify with?  A woman  A man  Other
4.	What racial or ethnic group best describes you?  White / Caucasian  Hispanic or Latino  Black or African American  Native American / American Indian or Alaskan Native  Asian / Pacific Islander  Other
5.	What is the ZIP Code where you currently live? Fill in the blank 33704
6.	What is the highest degree or level of school you completed? If currently enrolled, highest degree received.  Bth grade or less Some high school, no diploma High school graduate, diploma or GED Some college, no degree Associates degree Bachelor's degree Master's degree Ph.D, M.D., J.D. or similar
7.	What is your total household income, including income from all members of your family, in 2017 before taxes? This figure should include salaries, wages, pensions, dividends, interest, and all other income.    \$\textsup   \qu

ACTIVITY DATA
8. Would you say that in general your health is:  ☐ Excellent ☐ Good ☐ Fair ☐ Poor
<ul> <li>9. During summer of 2018, have you engaged in any outdoor activities, such as hiking, biking, fishing, gardening, running, or any other outdoor activity?</li> <li>✓ Yes – Please list the activities</li> <li>✓ No (skip to question 11)</li> </ul>
<ul> <li>10. During the summer of 2018, how often would you say you've engaged in the outdoor activities you've listed above?</li> <li>□ Daily</li> <li>□ A few times per week</li> <li>□ Once per week</li> <li>□ Less than once per week, but more than once per month</li> <li>□ Rarely – A few times during the summer</li> <li>□ Never</li> </ul>
AIR QUALITY NOTIFICATION
11. During the summer of 2018, have you ever received an air quality notification message suggesting you avoid outside activity?  Yes  No
12. Do you ever seek out information related to wildfire and smoke notifications?
a. Yes b. No (if you answered no to both questions 11 and 12, please skip to question 15)
13. Which source do you use to find wildfire smoke notifications? [Check all that apply]  □ Social media (like Facebook, Instagram, Twitter)  □ Television  □ Online news sources  □ Newspapers  □ Friends or Family  Personal observation  □ State agencies such as Department of Environmental Quality website  □ Idaho Smoke Information Blog  □ Federal sources such as AIRnow.gov website  □ Dynamic road sign displays (such as the signs on I-184 or I-84)  □ Other

14.	In a smoky week in summer 2018, about how many days did you look online (either on a computer, tablet, or smartphone) for smoke-related information, such as air quality, smoke forecasts, or health notices?  0 days 1 days 2 days 3 days 4-5 days 6-7 days.
15	During summer of 2018, did you <i>ever</i> reduce your outside activities due to wildfire smoke?  Yes □ No □ Not applicable
16	<ul> <li>During summer of 2018, think of the <i>longest</i> period of consecutive days you reduced or eliminated your outdoor activities due to a smoke event. How many consecutive days did you reduce or eliminate activity?</li> <li>□ 0 days</li> <li>□ 1 to 2 days</li> <li>□ 3 days</li> <li>□ 4 days</li> <li>□ 5 days</li> <li>□ 6 days and more</li> </ul>
17	. What is the <i>minimum</i> air quality index rating that would cause you to reduce your outdoor activity on a particular day?  Green — Good Yellow — Moderate Orange — Unhealthy for Sensitive Groups Red — Unhealthy Purple — Very Unhealthy Maroon — Hazardous I am not familiar with this rating
18	. What is the <i>minimum</i> air quality index rating that would cause you to eliminate your outdoor activity on a particular day?  Green – Good  Yellow – Moderate  Orange – Unhealthy for Sensitive Groups  Red – Unhealthy  Purple – Very Unhealthy  Maroon – Hazardous

19. If you decided to limit your outdoor activity during a simotivated your decision to do so? [Check all that apply	
Smoke-related health problem statistics	
Air quality information	
☐ Smoke forecasts	
Your own visual observation (seeing the smok	te outside)
☐ Wildfire information	
☐ Advice from your doctor	
☐ Advice from family and friends	
20. What type of message could motivate / motivated you related to wildfire smoke, such as staying indoors or le  Text message  Phone call Social media message Online message Message seen on television Emergency alerts Contact from family or friends	
21. What was the <i>content</i> of the message(s) that motivated negative health impacts of wildfire smoke? [Check all to A short message warning about the risk (1 line A short message warning about the risk that in A short statement (roughly 1 paragraph)  A visual infographic or picture  An online Q&A session (Facebook Live or Instantial A video  A conversation (either online, via phone, or in	that apply] e of text) acluded health or other statistics stagram Live)
22. When would receiving a smoke warning message be more avoid outdoor activities that same day?  I would prefer to know the day before  Early morning (before 9 AM)  Late morning (9 AM − noon)  Afternoon (Noon − 5 PM)  Evening (5 PM or later)	ost likely to impact your decision to limit
23. Will you take preventive actions to reduce smoke-related Yes – Please list the actions you might take No Not sure	ed health impacts in the future?

	consider wildfire smoke events a natural hazard? Yes No Not sure
importa	blic health threat, are wildfire smoke events more important, less important, or about as ant as other natural disasters, such as hurricanes or tornadoes?  Much less severe/important  Somewhat less severe/important  About as severe/important  Somewhat more severe/important  Much more severe/important
	you consider evacuating your home only because of the wildfire smoke? Yes, I have done this in the past. Yes, I would consider it No Prefer not to answer
HEALTH QU	<b>JESTIONS</b>
	ou, or anyone in your household, experienced wildfire smoke-related illness? Yes No Not sure
in the s	where any of the following symptoms during or a few days after one of the smoke events summer of 2018 in the Boise area / Treasure Valley? [Check all that apply]  Wheezing or whistling in the chest  Itchy or watery eyes  Irritated eyes  Sneezing or a runny or blocked nose  Dry irritated nose / sinuses  A sore or irritated throat  A cold  A dry cough at night  A dry cough first thing in the morning  A dry cough at other times of the day  A wet cough (congestion in the chest or phlegm production)  Bronchitis  An asthma attack  Headaches  Fatigue

29. Did yo	u use/do any of the following to help with any symptoms during the smoke event? [Check
all that	
Ä	Take medication
	Wear a mask to protect your lungs
	Take long showers
	Visit a doctor or nurse
	Visit a doctor's office for asthma or smoke-related lung issues
	Use a personal air filtration system in your home or office
	Go to buildings that have air filtration systems like the mall or public library
	Miss work due to health problems

## Date: Survey location:

<b>DEMOGRAPHIC DAT</b>	Т	A	A	D	C	T	H	P	A	R	G	O	ÆΠ	٨	$\mathbb{R}$	D	
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If you are uncomfortable answering any of these questions, you may leave them blank.

1.	Do you consent to participate in this research study?  Yes  No – If you do not consent to participate, please do not complete this survey
2.	What is your age? Fill in the blank _63_
3.	Which gender do you identify with?  A woman  A man  Other
4.	What racial or ethnic group best describes you?  White / Caucasian  Hispanic or Latino  Black or African American  Native American / American Indian or Alaskan Native  Asian / Pacific Islander  Other
5.	What is the ZIP Code where you currently live?  Fill in the blank 85 646
6.	What is the highest degree or level of school you completed? If currently enrolled, highest degree received.  Sth grade or less Some high school, no diploma High school graduate, diploma or GED Some college, no degree Associates degree Bachelor's degree Master's degree Ph.D, M.D., J.D. or similar
7.	What is your total household income, including income from all members of your family, in 2017 before taxes? This figure should include salaries, wages, pensions, dividends, interest, and all other income.  \$\Begin{align*} \\$25,000 \text{ or } \\$49,999 \\ \Begin{align*} \\$50,000 \text{ to } \\$74,999 \\ \Begin{align*} \\$75,000 \text{ to } \\$99,999 \\ \Begin{align*} \\$100,000 \text{ or more} \\ \end{align*}

IVITY DATA
Would you say that in general your health is:  ☐ Cood ☐ Fair ☐ Poor
During summer of 2018, have you engaged in any outdoor activities, such as hiking, biking, fishing, gardening, running, or any other outdoor activity?  Yes – Please list the activities Running – Billing –  No (skip to question 11)
During the summer of 2018, how often would you say you've engaged in the outdoor activities you've listed above?  □ Daily A few times per week □ Once per week □ Less than once per week, but more than once per month □ Rarely – A few times during the summer □ Never
QUALITY NOTIFICATION
During the summer of 2018, have you ever received an air quality notification message suggesting you avoid outside activity?  \( \sum_{\text{Yes}} \) \( \text{No} \) \( \text{No} \)
Do you ever seek out information related to wildfire and smoke notifications?  a. Yes  b. No (if you answered no to both questions 11 and 12, please skip to question 15)
Which source do you use to find wildfire smoke notifications? [Check all that apply]  Social media (like Facebook, Instagram, Twitter)  Television Online news sources Newspapers Friends or Family Personal observation State agencies such as Department of Environmental Quality website Idaho Smoke Information Blog Federal sources such as AIRnow.gov website Dynamic road sign displays (such as the signs on I-184 or I-84) Other

forecas	noky week in summer 2018, about how many days did you look online (either on a ster, tablet, or smartphone) for smoke-related information, such as air quality, smoke sts, or health notices?  O days  days  days  days  4-5 days  6-7 days.
	yes  No  Not applicable
elimina reduce	summer of 2018, think of the <i>longest</i> period of consecutive days you reduced or ated your outdoor activities due to a smoke event. How many consecutive days did you or eliminate activity?  O days  1 to 2 days  3 days  4 days  5 days  6 days and more
on a pa	s the <i>minimum</i> air quality index rating that would cause you to reduce your outdoor activity articular day?  Green – Good  Yellow – Moderate  Orange – Unhealthy for Sensitive Groups  Red – Unhealthy  Purple – Very Unhealthy  Maroon – Hazardous  I am not familiar with this rating
activity	s the <i>minimum</i> air quality index rating that would cause you to <u>eliminate your outdoor</u> on a particular day?  Green – Good  Yellow – Moderate  Orange – Unhealthy for Sensitive Groups  Red – Unhealthy  Purple – Very Unhealthy  Maroon – Hazardous  I am not familiar with this rating

<ul><li>19. If you decided to limit your outdoor activity during a smoke event, what is motivated your decision to do so? [Check all that apply]</li><li>☐ Smoke-related health problem statistics</li></ul>	type of information
☐ Air quality information	
☐ Smoke forecasts	
Your own visual observation (seeing the smoke outside)	
☐ Wildfire information	
Advice from your doctor	
☐ Advice from family and friends	
20. What type of message could motivate / motivated you to take action to m related to wildfire smoke, such as staying indoors or leaving the area? [Claude and the country of the countr	•
21. What was the <i>content</i> of the message(s) that motivated you to take this accompanied health impacts of wildfire smoke? [Check all that apply]  A short message warning about the risk (1 line of text)  A short message warning about the risk that included health or of A short statement (roughly 1 paragraph)  A visual infographic or picture  An online Q&A session (Facebook Live or Instagram Live)  A video  A conversation (either online, via phone, or in person)	
22. When would receiving a smoke warning message be most likely to impact or avoid outdoor activities that same day?  ☐ I would prefer to know the day before Early morning (before 9 AM) ☐ Late morning (9 AM – noon) ☐ Afternoon (Noon – 5 PM) ☐ Evening (5 PM or later)	et your decision to limit
23. Will you take preventive actions to reduce smoke-related health impacts in Yes – Please list the actions you might take No Not sure	in the future?

✓ Ye □ No	asider wildfire smoke events a natural hazard? s ot sure
important a  Mu Social Ab	health threat, are wildfire smoke events more important, less important, or about as as other natural disasters, such as hurricanes or tornadoes?  uch less severe/important mewhat less severe/important oout as severe/important mewhat more severe/important uch more severe/important
□ Ye	consider evacuating your home only because of the wildfire smoke? es, I have done this in the past. es, I would consider it efer not to answer
HEALTH QUES	STIONS
☐ Ye	
in the sum  W  Ite  Irr  Sn  A  A  A  A  A  A  H  A	ave any of the following symptoms during or a few days after one of the smoke events mer of 2018 in the Boise area / Treasure Valley? [Check all that apply] heezing or whistling in the chest chy or watery eyes itated eyes neezing or a runny or blocked nose ry irritated nose / sinuses sore or irritated throat cold dry cough at night dry cough first thing in the morning dry cough at other times of the day wet cough (congestion in the chest or phlegm production) conchitis a asthma attack eadaches atique

29. Did yo	you use/do any of the following to help with any symptoms during the smoke ex	vent? [Check
all that	nat apply]	vent: [Check
	☐ Take medication	
	☐ Wear a mask to protect your lungs	
	Talso long shares	
	☐ Visit a doctor or nurse	
	☐ Visit a doctor's office for asthma or smoke-related lung issues	
	Use a personal air filtration system in your home or office	
	Go to buildings that have air filtration systems like the mall or public library	,
	☐ Miss work due to health problems	

Date:	
Survey	location

<b>DEMOGR</b>	A	PH	IC	DA	ΛTΑ
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Ιf	vou	are	uncor	nfortable	answering	any o	of these	questions,	you	may	leave	them	blank.	

1.	Do you consent to participate in this research study?  Yes
	☐ No – If you do not consent to participate, please do not complete this survey
2.	What is your age? Fill in the blank _36
3.	Which gender do you identify with?  A woman
	☐ A man ☐ Other
4.	What racial or ethnic group best describes you?  White / Caucasian
	☐ Hispanic or Latino
	<ul><li>☐ Black or African American</li><li>☐ Native American / American Indian or Alaskan Native</li></ul>
	☐ Asian / Pacific Islander
	□ Other
5.	What is the ZIP Code where you currently live?
	Fill in the blank 9790
6.	-
	received.
	☐ Some high school, no diploma
	☐ High school graduate, diploma or GED
	☐ Some college, no degree  ☑ Associates degree
	Bachelor's degree
	☐ Master's degree
	☐ Ph.D, M.D., J.D. or similar
7.	What is your total household income, including income from all members of your family, in 2017
	before taxes? This figure should include salaries, wages, pensions, dividends, interest, and all
	other income.  □ \$25,000 or less
	□ \$25,000 to \$49,999
	\$50,000 to \$74,999
	☐ \$75,000 to \$99,999 ☐ \$100,000 or more
	ы ф100,000 от шого

8.	Would you say that in general your health is:  ☐ Excellent ☐ Good ☐ Fair ☐ Poor
9.	During summer of 2018, have you engaged in any outdoor activities, such as hiking, biking, fishing, gardening, running, or any other outdoor activity?  Yes – Please list the activities biking, gardening, Walking,  No (skip to question 11)
10.	During the summer of 2018, how often would you say you've engaged in the outdoor activities you've listed above?  Daily A few times per week  Once per week  Less than once per week, but more than once per month  Rarely – A few times during the summer  Never
AIR (	QUALITY NOTIFICATION
11.	During the summer of 2018, have you ever received an air quality notification message suggesting you avoid outside activity?  X Yes  □ No
12.	Do you ever seek out information related to wildfire and smoke notifications?
	b. No (if you answered no to both questions 11 and 12, please skip to question 15)
13.	Which source do you use to find wildfire smoke notifications? [Check all that apply]  Social media (like Facebook, Instagram, Twitter)  Television Online news sources Newspapers Friends or Family Personal observation State agencies such as Department of Environmental Quality website Idaho Smoke Information Blog Federal sources such as AIRnow.gov website Dynamic road sign displays (such as the signs on I-184 or I-84) Other Ladio

ACTIVITY DATA

<ul> <li>14. In a smoky week in summer 2018, about how many days did you look online (either on a computer, tablet, or smartphone) for smoke-related information, such as air quality, smoke forecasts, or health notices?</li> <li>✓ 0 days</li> <li>☐ 1 days</li> <li>☐ 2 days</li> <li>☐ 3 days</li> <li>☐ 4-5 days</li> <li>☐ 6-7 days.</li> </ul>
15. During summer of 2018, did you <i>ever</i> reduce your outside activities due to wildfire smoke?  ☐ Yes ☐ No ☐ Not applicable
16. During summer of 2018, think of the <i>longest</i> period of consecutive days you reduced or eliminated your outdoor activities due to a smoke event. How many consecutive days did you reduce or eliminate activity?  □ 0 days □ 1 to 2 days □ 3 days □ 4 days □ 5 days □ 6 days and more
17. What is the <i>minimum</i> air quality index rating that would cause you to reduce your outdoor activity on a particular day?  ☐ Green – Good ☐ Yellow – Moderate ☐ Orange – Unhealthy for Sensitive Groups  ☐ Red – Unhealthy ☐ Purple – Very Unhealthy ☐ Maroon – Hazardous ☐ I am not familiar with this rating
18. What is the minimum air quality index rating that would cause you to eliminate your outdoor  activity on a particular day?  ☐ Green – Good ☐ Yellow – Moderate ☐ Orange – Unhealthy for Sensitive Groups  ☐ Red – Unhealthy ☐ Purple – Very Unhealthy ☐ Maroon – Hazardous ☐ I am not familiar with this rating

motivated y	led to limit your outdoor activity during a smoke event, what type of information our decision to do so? [Check all that apply]
	oke-related health problem statistics quality information
	oke forecasts
Y You	ur own visual observation (seeing the smoke outside)
	defire information
	vice from your doctor vice from family and friends
1 T T T T T T T T T T T T T T T T T T T	vice from failing and friends
related to w	of message could motivate / motivated you to take action to mitigate the risk of issues all fire smoke, such as staying indoors or leaving the area? [Check all that apply] at message
□ Pho	
	ial media message ine message
	ssage seen on television
Em	ergency alerts
☐ Cor	atact from family or friends
negative hea	the content of the message(s) that motivated you to take this action to mitigate the alth impacts of wildfire smoke? [Check all that apply] from message warning about the risk (1 line of text) from message warning about the risk that included health or other statistics from statement (roughly 1 paragraph) fisual infographic or picture from online Q&A session (Facebook Live or Instagram Live) fideo from online, via phone, or in person)
or avoid outo	I receiving a smoke warning message be most likely to impact your decision to limit door activities that same day? buld prefer to know the day before y morning (before 9 AM) a morning (9 AM – noon) beton (Noon – 5 PM) ming (5 PM or later)
23. Will you tak Yes  No No	e preventive actions to reduce smoke-related health impacts in the future?  — Please list the actions you might take  sure

importan	olic health threat, are wildfire smoke events more important, less important, or about as at as other natural disasters, such as hurricanes or tornadoes?  Much less severe/important  Somewhat less severe/important  About as severe/important  Somewhat more severe/important  Much more severe/important
	You consider evacuating your home only because of the wildfire smoke? Yes, I have done this in the past. Yes, I would consider it No Prefer not to answer
HEALTH QU	ESTIONS
	yes  No  Not sure
in the su	have any of the following symptoms during or a few days after one of the smoke events ammer of 2018 in the Boise area / Treasure Valley? [Check all that apply] Wheezing or whistling in the chest Itchy or watery eyes Irritated eyes Sneezing or a runny or blocked nose Dry irritated nose / sinuses A sore or irritated throat A cold A dry cough at night A dry cough first thing in the morning A dry cough at other times of the day A wet cough (congestion in the chest or phlegm production) Bronchitis An asthma attack Headaches Fatigue

29. Did you use/do any of the following to help with any symptoms during the smoke event? [Check
all that apply]
Take medication
☐ Wear a mask to protect your lungs
☐ Take long showers
☐ Visit a doctor or nurse
☐ Visit a doctor's office for asthma or smoke-related lung issues
Use a personal air filtration system in your home or office
Go to buildings that have air filtration systems like the mall or public library
☐ Miss work due to health problems

Date: 9-2-18

Survey location: Eagle Island State Park

#### **DEMOGRAPHIC DATA**

If you are uncomfortable answering any of these questions, you may leave them blank.

1.	Do you consent to participate in this research study?  Yes  No – If you do not consent to participate, please do not complete this survey
2.	What is your age? Fill in the blank 33
3.	Which gender do you identify with?  A woman  A man  Other
4.	What racial or ethnic group best describes you?  White / Caucasian  Hispanic or Latino Black or African American Native American / American Indian or Alaskan Native Asian / Pacific Islander Other
5.	What is the ZIP Code where you currently live?  Fill in the blank 94561
6.	What is the highest degree or level of school you completed? If currently enrolled, highest degree received.  Sth grade or less Some high school, no diploma High school graduate, diploma or GED Some college, no degree Associates degree Bachelor's degree Master's degree Ph.D, M.D., J.D. or similar
7.	What is your total household income, including income from all members of your family, in 2017 before taxes? This figure should include salaries, wages, pensions, dividends, interest, and all other income.  □ \$25,000 or less □ \$25,000 to \$49,999 □ \$50,000 to \$74,999 □ \$75,000 to \$99,999 □ \$100,000 or more

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ACTIVIT	TY DATA
8. Wo	uld you say that in general your health is:  ☐ Excellent ☐ Good ☐ Fair ☐ Poor
9. Dur fishi	ing summer of 2018, have you engaged in any outdoor activities, such as hiking, biking, ing, gardening, running, or any other outdoor activity?  Yes – Please list the activities  No (skip to question 11)
you'	ing the summer of 2018, how often would you say you've engaged in the outdoor activities 've listed above?  Daily  A few times per week  Once per week  Less than once per week, but more than once per month  Rarely – A few times during the summer  Never
AIR QUA	LITY NOTIFICATION
sugg	ing the summer of 2018, have you ever received an air quality notification message gesting you avoid outside activity?  Yes □ No
12. Do y	you ever seek out information related to wildfire and smoke notifications?
j	☐ a. Yes  b. No (if you answered no to both questions 11 and 12, please skip to question 15)
	ch source do you use to find wildfire smoke notifications? [Check all that apply]  Social media (like Facebook, Instagram, Twitter)  Television Online news sources  Newspapers Friends or Family Personal observation State agencies such as Department of Environmental Quality website Idaho Smoke Information Blog Federal sources such as AIRnow.gov website  Dynamic road sign displays (such as the signs on I-184 or I-84)  Other

14.	In a smoky week in summer 2018, about how many days did you look online (either on a computer, tablet, or smartphone) for smoke-related information, such as air quality, smoke forecasts, or health notices?  □ 0 days □ 1 days □ 2 days □ 3 days □ 4-5 days □ 6-7 days.
15.	During summer of 2018, did you <i>ever</i> reduce your outside activities due to wildfire smoke?  ☐ Yes ☐ No ☐ Not applicable
16.	During summer of 2018, think of the <i>longest</i> period of consecutive days you reduced or eliminated your outdoor activities due to a smoke event. How many consecutive days did you reduce or eliminate activity?  O days  1 to 2 days  3 days  4 days  5 days  6 days and more
17.	. What is the <i>minimum</i> air quality index rating that would cause you to <u>reduce your outdoor activity</u> on a particular day?  ☐ Green — Good ☐ Yellow — Moderate ☐ Orange — Unhealthy for Sensitive Groups ☐ Red — Unhealthy ☐ Purple — Very Unhealthy ☐ Maroon — Hazardous ☐ I am not familiar with this rating
18	. What is the <i>minimum</i> air quality index rating that would cause you to <u>eliminate your outdoor activity</u> on a particular day?  Green – Good  Yellow – Moderate  Orange – Unhealthy for Sensitive Groups  Red – Unhealthy  Purple – Very Unhealthy  Maroon – Hazardous  I am not familiar with this rating

19. If you	decided to limit your outdoor activity during a smoke event, what type of information
motiva	ted your decision to do so? [Check all that apply]
	Smoke-related health problem statistics
	Air quality information
	Smoke forecasts
	Your own visual observation (seeing the smoke outside)
	Wildfire information
	Advice from your doctor
	Advice from family and friends
related	ype of message could motivate / motivated you to take action to mitigate the risk of issues to wildfire smoke, such as staying indoors or leaving the area? [Check all that apply]  Text message  Phone call
	Social media message
	Online message Message seen on television
	Emergency alerts
	Contact from family or friends
negativ	As the content of the message(s) that motivated you to take this action to mitigate the e health impacts of wildfire smoke? [Check all that apply]  A short message warning about the risk (1 line of text)  A short message warning about the risk that included health or other statistics  A short statement (roughly 1 paragraph)  A visual infographic or picture  An online Q&A session (Facebook Live or Instagram Live)  A video  A conversation (either online, via phone, or in person)
or avoid	would receiving a smoke warning message be most likely to impact your decision to limit doutdoor activities that same day?  I would prefer to know the day before  Early morning (before 9 AM)  Late morning (9 AM – noon)  Afternoon (Noon – 5 PM)  Evening (5 PM or later)
	u take preventive actions to reduce smoke-related health impacts in the future?  Yes – Please list the actions you might take  No  Not sure

natural hazard?
ske events more important, less important, or about as as hurricanes or tornadoes?
ne only because of the wildfire smoke?
experienced wildfire smoke-related illness?
oms during or a few days after one of the smoke events Treasure Valley? [Check all that apply] est  orning e day chest or phlegm production)

29. Did you use/do any of the following to help with any symptoms during the smoke event? [Check
all that apply]
☐ Take medication
☐ Wear a mask to protect your lungs
☐ Take long showers
☐ Visit a doctor or nurse
☐ Visit a doctor's office for asthma or smoke-related lung issues
Use a personal air filtration system in your home or office
Go to buildings that have air filtration systems like the mall or public library
☐ Miss work due to health problems

#### Date: **Survey location:**

If you are uncomfortable answering any of these questions, you may leave them blank.

1.	Do you consent to participate in this research study?  Yes  No – If you do not consent to participate, please do not complete this survey
2.	What is your age? Fill in the blank 40
	Which gender do you identify with?  A woman  A man  Other
4.	What racial or ethnic group best describes you?  ☐ White / Caucasian  ☐ Hispanic or Latino  ☐ Black or African American  ☐ Native American / American Indian or Alaskan Native  ☐ Asian / Pacific Islander  ☐ Other
5.	What is the ZIP Code where you currently live?  Fill in the blank 91763
6.	What is the highest degree or level of school you completed? If currently enrolled, highest degree received.  Sth grade or less Some high school, no diploma High school graduate, diploma or GED Some college, no degree Associates degree Bachelor's degree Master's degree Ph.D, M.D., J.D. or similar
7.	What is your total household income, including income from all members of your family, in 2017 before taxes? This figure should include salaries, wages, pensions, dividends, interest, and all other income.    \$25,000 or less  \$25,000 to \$49,999  \$50,000 to \$74,999  \$75,000 to \$99,999  \$100,000 or more

8. Would you say that in general your health is:  Excellent Good Fair Poor	
<ul> <li>9. During summer of 2018, have you engaged in any outdoor activities, such as hiking, biking, fishing, gardening, running, or any other outdoor activity?</li> <li>Yes – Please list the activities Gardening, Swiming</li> <li>No (skip to question 11)</li> </ul>	
10. During the summer of 2018, how often would you say you've engaged in the outdoor activities you've listed above?  □ Daily □ A few times per week □ Once per week □ Less than once per week, but more than once per month □ Rarely – A few times during the summer □ Never	?S
AIR QUALITY NOTIFICATION	
<ul><li>11. During the summer of 2018, have you ever received an air quality notification message suggesting you avoid outside activity?</li><li></li></ul>	
12. Do you ever seek out information related to wildfire and smoke notifications?  ☐ a. Yes	
b. No (if you answered no to both questions 11 and 12, please skip to question 15)	
13. Which source do you use to find wildfire smoke notifications? [Check all that apply]  □ Social media (like Facebook, Instagram, Twitter)  □ Television  □ Online news sources  □ Newspapers  □ Friends or Family  □ Personal observation  □ State agencies such as Department of Environmental Quality website  □ Idaho Smoke Information Blog  □ Federal sources such as AIRnow.gov website  □ Dynamic road sign displays (such as the signs on I-184 or I-84)	
□ Other	

ACTIVITY DATA

CO	a smoky week in summer 2018, about how many days did you look online (either on a mputer, tablet, or smartphone) for smoke-related information, such as air quality, smoke recasts, or health notices?  □ 0 days □ 1 days □ 2 days □ 3 days □ 4-5 days □ 6-7 days.
15. Di	uring summer of 2018, did you <i>ever</i> reduce your outside activities due to wildfire smoke?  Yes  No  Not applicable
el	uring summer of 2018, think of the <i>longest</i> period of consecutive days you reduced or iminated your outdoor activities due to a smoke event. How many consecutive days did you duce or eliminate activity?    O days  1 to 2 days  3 days  4 days  5 days  6 days and more
	What is the minimum air quality index rating that would cause you to reduce your outdoor activity in a particular day?  ☐ Green — Good ☐ Yellow — Moderate ☐ Orange — Unhealthy for Sensitive Groups  ☐ Red — Unhealthy ☐ Purple — Very Unhealthy ☐ Maroon — Hazardous ☐ I am not familiar with this rating
	That is the minimum air quality index rating that would cause you to eliminate your outdoor etivity on a particular day?  ☐ Green – Good ☐ Yellow – Moderate ☐ Orange – Unhealthy for Sensitive Groups  ☐ Red – Unhealthy ☐ Purple – Very Unhealthy ☐ Maroon – Hazardous ☐ I am not familiar with this rating

motiva	decided to limit your outdoor activity during a smoke event, what type of information ated your decision to do so? [Check all that apply]
	Smoke-related health problem statistics  Air quality information  Smoke forecasts
€	Your own visual observation (seeing the smoke outside)  Wildfire information
	L Advice from your doctor
	Advice from family and friends
related  related	type of message could motivate / motivated you to take action to mitigate the risk of issues to wildfire smoke, such as staying indoors or leaving the area? [Check all that apply]  Text message Phone call Social media message Online message Message seen on television Emergency alerts Contact from family or friends
negativ	was the <i>content</i> of the message(s) that motivated you to take this action to mitigate the re health impacts of wildfire smoke? [Check all that apply]  A short message warning about the risk (1 line of text)  A short message warning about the risk that included health or other statistics  A short statement (roughly 1 paragraph)  A visual infographic or picture  An online Q&A session (Facebook Live or Instagram Live)  A video  A conversation (either online, via phone, or in person)
or avoi	would receiving a smoke warning message be most likely to impact your decision to limit d outdoor activities that same day?  I would prefer to know the day before Early morning (before 9 AM) Late morning (9 AM – noon) Afternoon (Noon – 5 PM) Evening (5 PM or later)
	Yes – Please list the actions you might take No Not sure

	consider wildfire smoke events a natural hazard? Yes No Not sure
importa	blic health threat, are wildfire smoke events more important, less important, or about as nt as other natural disasters, such as hurricanes or tornadoes?  Much less severe/important  Somewhat less severe/important  About as severe/important  Somewhat more severe/important  Much more severe/important
	you consider evacuating your home only because of the wildfire smoke? Yes, I have done this in the past. Yes, I would consider it No Prefer not to answer
HEALTH QU	JESTIONS
	ou, or anyone in your household, experienced wildfire smoke-related illness? Yes No Not sure
in the st	where any of the following symptoms during or a few days after one of the smoke events ammer of 2018 in the Boise area / Treasure Valley? [Check all that apply]  Wheezing or whistling in the chest  Itchy or watery eyes  Irritated eyes  Sneezing or a runny or blocked nose  Dry irritated nose / sinuses  A sore or irritated throat  A cold  A dry cough at night  A dry cough first thing in the morning  A dry cough at other times of the day  A wet cough (congestion in the chest or phlegm production)  Bronchitis  An asthma attack  Headaches  Fatigue

29. Did you use/do any of the following to help with any symp	otoms during the smoke event? [Check
all that apply]	
☐ Take medication /	
☐ Wear a mask to protect your lungs	
☐ Take long showers	
☐ Visit a doctor or nurse	
☐ Visit a doctor's office for asthma or smoke-related	l lung issues
☐ Use a personal air filtration system in your home of	
☐ Go to buildings that have air filtration systems like	e the mall or public library
☐ Miss work due to health problems	1

# Date: Survey location:

DEMOGRAPHIC DA	A	٩T	$\Gamma$	4
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Ιf	vou	are	uncomfortable	answering any	of these	questions,	you may	leave them	blank.

1.	Do you consent to participate in this research study?  ☐ Yes ☐ No — If you do not consent to participate, please do not complete this survey
2.	What is your age? Fill in the blank 32
3.	Which gender do you identify with?  A woman  M A man  Other
4.	What racial or ethnic group best describes you?  White / Caucasian  Hispanic or Latino Black or African American Native American / American Indian or Alaskan Native Asian / Pacific Islander Other Other
5.	What is the ZIP Code where you currently live? Fill in the blank <u>83681</u>
6.	What is the highest degree or level of school you completed? If currently enrolled, highest degree received.  Sth grade or less Some high school, no diploma High school graduate, diploma or GED Some college, no degree Associates degree Bachelor's degree Master's degree Ph.D, M.D., J.D. or similar
7.	What is your total household income, including income from all members of your family, in 2017 before taxes? This figure should include salaries, wages, pensions, dividends, interest, and all other income.  \$\times\$ \begin{align*} \\$25,000 \text{ or } \\$49,999 \\ \\$50,000 \text{ to } \\$74,999 \\ \\$75,000 \text{ to } \\$99,999 \\ \\$100,000 \text{ or more} \end{align*}

8. W	ould you say that in general your health is:  Excellent  Good  Fair  Poor
9. Du	ring summer of 2018, have you engaged in any outdoor activities, such as hiking, biking, hing, gardening, running, or any other outdoor activity?  Yes – Please list the activities  No (skip to question 11)
10. Du	ring the summer of 2018, how often would you say you've engaged in the outdoor activities a've listed above?  Daily A few times per week Conce per week Rest than once per week, but more than once per month Rarely - A few times during the summer Never
AIR QUA	ALITY NOTIFICATION
11. Du: sug	ring the summer of 2018, have you ever received an air quality notification message gesting you avoid outside activity?  ☐ Yes ☐ No
12. Do	you ever seek out information related to wildfire and smoke notifications?
	□ b. No (if you answered no to both questions 11 and 12, please skip to question 15)
13. Wh	ich source do you use to find wildfire smoke notifications? [Check all that apply]  Social media (like Facebook, Instagram, Twitter)  Television  Online news sources  Newspapers  Friends or Family  Personal observation  State agencies such as Department of Environmental Quality website  Idaho Smoke Information Blog  Federal sources such as AlRnow.gov website  Dynamic road sign displays (such as the signs on I-184 or I-84)

ACTIVITY DATA

	In a smoky week in summer 2018, about how many days did you look online (either on a computer, tablet, or smartphone) for smoke-related information, such as air quality, smoke forecasts, or health notices?  1 days 1 days 2 days 3 days 4-5 days 6-7 days.
15.	During summer of 2018, did you <i>ever</i> reduce your outside activities due to wildfire smoke?  ☐ Xes ☐ No ☐ Not applicable
16.	During summer of 2018, think of the <i>longest</i> period of consecutive days you reduced or eliminated your outdoor activities due to a smoke event. How many consecutive days did you reduce or eliminate activity?  O days  1 to 2 days  3 days  4 days  5 days  6 days and more
17.	. What is the <i>minimum</i> air quality index rating that would cause you to reduce your outdoor activity on a particular day?  ☐ Green − Good ☐ Yellow − Moderate ☐ Orange − Unhealthy for Sensitive Groups ☐ Red − Unhealthy ☐ Purple − Very Unhealthy ☐ Maroon − Hazardous ☐ I am not familiar with this rating
18	. What is the <i>minimum</i> air quality index rating that would cause you to <u>eliminate your outdoor</u> <u>activity</u> on a particular day?  Green – Good  Yellow – Moderate  Orange – Unhealthy for Sensitive Groups  Red – Unhealthy  Purple – Very Unhealthy  Maroon – Hazardous

10.10	
19. If you decided to limit your outdoor activity during a smoke event, what type of informativated your decision to do so? [Check all that apply]  □ Smoke-related health problem statistics □ Air quality information □ Smoke forecasts □ Your own visual observation (seeing the smoke outside) □ Wildfire information □ Advice from your doctor □ Advice from family and friends	ormation
— Travice from family and friends	
20. What type of message could motivate / motivated you to take action to mitigate the related to wildfire smoke, such as staying indoors or leaving the area? [Check all that Pext message Phone call Social media message Online message	isk of issues t apply]
Message seen on television	
Emergency alerts	
Contact from family or friends	
21. What was the <i>content</i> of the message(s) that motivated you to take this action to mitinegative health impacts of wildfire smoke? [Check all that apply]  \[ \sum_{\text{A}} \text{ A short message warning about the risk (1 line of text)} \]  \[ \text{A short message warning about the risk that included health or other statistic A short statement (roughly 1 paragraph)} \]  \[ \text{A visual infographic or picture} \]  \[ \text{An online Q&A session (Facebook Live or Instagram Live)} \]  \[ \text{A video} \]  \[ \text{A conversation (either online, via phone, or in person)} \]	
<ul> <li>22. When would receiving a smoke warning message be most likely to impact your decis or avoid outdoor activities that same day?</li> <li>✓ I would prefer to know the day before</li> <li>☐ Early morning (before 9 AM)</li> <li>☐ Late morning (9 AM – noon)</li> <li>☐ Afternoon (Noon – 5 PM)</li> <li>☐ Evening (5 PM or later)</li> </ul>	ion to limit
23. Will you take preventive actions to reduce smoke-related health impacts in the future?  Yes – Please list the actions you might take  No Not sure	1

	u consider wildfire smoke events a natural hazard? Yes No Not sure
import	ublic health threat, are wildfire smoke events more important, less important, or about as ant as other natural disasters, such as hurricanes or tornadoes?  Much less severe/important Somewhat less severe/important About as severe/important Somewhat more severe/important Much more severe/important
	you consider evacuating your home only because of the wildfire smoke?  Yes, I have done this in the past.  Yes, I would consider it  No  Prefer not to answer
HEALTH Q	UESTIONS
	you, or anyone in your household, experienced wildfire smoke-related illness?  No Not sure
in the	the have any of the following symptoms during or a few days after one of the smoke events summer of 2018 in the Boise area / Treasure Valley? [Check all that apply]  Wheezing or whistling in the chest  Itchy or watery eyes  Irritated eyes  Sneezing or a runny or blocked nose  Dry irritated nose / sinuses  A sore or irritated throat  A cold  A dry cough at night  A dry cough at other times of the day  A wet cough (congestion in the chest or phlegm production)  Bronchitis  An asthma attack  Headaches  Fatigue

29. Did you use/do any of the following to help with any symptoms during the smoke event? [Check
all that apply]
☐ Take medication
☐ Wear a mask to protect your lungs
☐ Take long showers
☐ Visit a doctor or nurse
☐ Visit a doctor's office for asthma or smoke-related lung issues
☐ Use a personal air filtration system in your home or office
☐ Go to buildings that have air filtration systems like the mall or public library
☐ Miss work due to health problems

### Date: Survey location:

DENIE GILLIE	DEMOGRAPHIC I	DATA
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If you are uncomfortable answering any of these questions, you may leave them blank.

1.	Do you consent to participate in this research study?  Yes  No – If you do not consent to participate, please do not complete this survey
2.	What is your age? Fill in the blank 29
3.	Which gender do you identify with?  A woman  Other
4.	What racial or ethnic group best describes you?  White / Caucasian  Hispanic or Latino  Black or African American  Native American / American Indian or Alaskan Native  Asian / Pacific Islander  Other  Other
5.	What is the ZIP Code where you currently live?  Fill in the blank 3607
6.	What is the highest degree or level of school you completed? If currently enrolled, highest degree received.    Sth grade or less     Some high school, no diploma     High school graduate, diploma or GED     Some college, no degree     Associates degree     Bachelor's degree     Master's degree     Ph.D, M.D., J.D. or similar
7.	What is your total household income, including income from all members of your family, in 2017 before taxes? This figure should include salaries, wages, pensions, dividends, interest, and all other income.    \$\textstyle \text{\$25,000 or less} \\ \$25,000 to \text{\$49,999} \\ \$50,000 to \text{\$74,999} \\ \$75,000 to \text{\$99,999} \\ \$100,000 or more

8.	Would you say that in general your health is:  Excellent  Good  Fair  Poor
9.	During summer of 2018, have you engaged in any outdoor activities, such as hiking, biking, fishing, gardening, running, or any other outdoor activity?  Yes – Please list the activities (IV) W 51: Je W H)  No (skip to question 11)
10	<ul> <li>During the summer of 2018, how often would you say you've engaged in the outdoor activities you've listed above?</li> <li>□ Daily</li> <li>□ A few times per week</li> <li>□ Once per week</li> <li>□ Less than once per week, but more than once per month</li> <li>□ Rarely – A few times during the summer</li> <li>□ Never</li> </ul>
AIR	QUALITY NOTIFICATION
11.	During the summer of 2018, have you ever received an air quality notification message suggesting you avoid outside activity?  ☐ Yes ☐ No
12.	Do you ever seek out information related to wildfire and smoke notifications?
	b. No (if you answered no to both questions 11 and 12, please skip to question 15)
13.	Which source do you use to find wildfire smoke notifications? [Check all that apply]  Social media (like Facebook, Instagram, Twitter)  Television  Online news sources  Newspapers  Friends or Family  Personal observation  State agencies such as Department of Environmental Quality website  Idaho Smoke Information Blog  Federal sources such as AlRnow.gov website  Dynamic road sign displays (such as the signs on I-184 or I-84)  Other

ACTIVITY DATA

14.	In a smoky week in summer 2018, about how many days did you look online (either on a computer, tablet, or smartphone) for smoke-related information, such as air quality, smoke forecasts, or health notices?  \[ \begin{align*} 0 \text{ days} \\ \begin{align*} 1 \text{ days} \\ \begin{align*} 2 \text{ days} \\ \begin{align*} 4-5 \text{ days} \\ \begin{align*} 6-7 \text{ days}. \end{align*}
15.	During summer of 2018, did you <i>ever</i> reduce your outside activities due to wildfire smoke?  ☐ Yes ☐ No ☐ Not applicable
16.	During summer of 2018, think of the <i>longest</i> period of consecutive days you reduced or eliminated your outdoor activities due to a smoke event. How many consecutive days did you reduce or eliminate activity?    0 days   1 to 2 days   3 days   4 days   5 days   6 days and more
17	. What is the minimum air quality index rating that would cause you to reduce your outdoor activity on a particular day?  Green – Good Yellow – Moderate Orange – Unhealthy for Sensitive Groups Red – Unhealthy Purple – Very Unhealthy Maroon – Hazardous I am not familiar with this rating
18	What is the minimum air quality index rating that would cause you to eliminate your outdoor activity on a particular day?  Green – Good  Yellow – Moderate  Orange – Unhealthy for Sensitive Groups  Red – Unhealthy  Purple – Very Unhealthy  Maroon – Hazardous  I am not familiar with this rating

10 10 11 11 11 11 11 11	
19. If you decided to limit your outdoor activity during a smoke event, what type of information motivated your decision to do so? [Check all that apply]	
☐ Smoke-related health problem statistics	
Air quality information	
Smoke forecasts	
Your own visual observation (seeing the smoke outside)	
☐ Wildfire information	
<ul><li>☐ Advice from your doctor</li><li>☐ Advice from family and friends</li></ul>	
Advice from family and mends	
20. What type of message could motivate / motivated you to take action to mitigate the risk of is related to wildfire smoke, such as staying indoors or leaving the area? [Check all that apply]  ☐ Text message ☐ Phone call ☐ Social media message	sues
☐ Online message	
☐ Message seen on television ☐ Emergency alerts	
☐ Contact from family or friends	
21. What was the <i>content</i> of the message(s) that motivated you to take this action to mitigate the negative health impacts of wildfire smoke? [Check all that apply]  A short message warning about the risk (1 line of text)  A short message warning about the risk that included health or other statistics  A short statement (roughly 1 paragraph)  A visual infographic or picture  An online Q&A session (Facebook Live or Instagram Live)  A video  A conversation (either online, via phone, or in person)	
<ul> <li>22. When would receiving a smoke warning message be most likely to impact your decision to li or avoid outdoor activities that same day?</li> <li>☐ I would prefer to know the day before</li> <li>☐ Early morning (before 9 AM)</li> <li>☐ Late morning (9 AM – noon)</li> <li>☐ Afternoon (Noon – 5 PM)</li> <li>☐ Evening (5 PM or later)</li> </ul>	mit
23. Will you take preventive actions to reduce smoke-related health impacts in the future?  Ves – Please list the actions you might take  No  No  Not sure	

# NATURAL HAZARD QUESTIONS

•	consider wildfire smoke events a natural hazard? Yes No Not sure
importa	blic health threat, are wildfire smoke events more important, less important, or about as nt as other natural disasters, such as hurricanes or tornadoes?  Much less severe/important  Somewhat less severe/important  About as severe/important  Somewhat more severe/important  Much more severe/important
	you consider evacuating your home only because of the wildfire smoke? Yes, I have done this in the past. Yes, I would consider it No Prefer not to answer
HEALTH QU	UESTIONS
•	ou, or anyone in your household, experienced wildfire smoke-related illness? Yes No Not sure
in the st	have any of the following symptoms during or a few days after one of the smoke events ammer of 2018 in the Boise area / Treasure Valley? [Check all that apply] Wheezing or whistling in the chest Itchy or watery eyes Irritated eyes Sneezing or a runny or blocked nose Dry irritated nose / sinuses A sore or irritated throat A cold A dry cough at night A dry cough first thing in the morning A dry cough at other times of the day A wet cough (congestion in the chest or phlegm production) Bronchitis An asthma attack Headaches Fatigue

29. Did you use/do any of the following to help with any symptoms during the smoke event? [Check
all that apply]
☐ Take medication / C.0
☐ Wear a mask to protect your lungs
☐ Take long showers
☐ Visit a doctor or nurse
☐ Visit a doctor's office for asthma or smoke-related lung issues
☐ Use a personal air filtration system in your home or office
☐ Go to buildings that have air filtration systems like the mall or public library
☐ Miss work due to health problems

### Date: **Survey location:**

**DEMOGRAPHIC DATA**If you are uncomfortable answering any of these questions, you may leave them blank.

1.	Do you consent to participate in this research study?  Yes  □ No − If you do not consent to participate, please do not complete this survey
2.	What is your age? Fill in the blank 27
3.	Which gender do you identify with?  A woman  A man  Other
4.	What racial or ethnic group best describes you?  White / Caucasian  Hispanic or Latino  Black or African American  Native American / American Indian or Alaskan Native  Asian / Pacific Islander  Other
5.	What is the ZIP Code where you currently live? Fill in the blank
6.	What is the highest degree or level of school you completed? If currently enrolled, highest degree received.  Bth grade or less Some high school, no diploma High school graduate, diploma or GED Some college, no degree Associates degree Bachelor's degree Master's degree Ph.D, M.D., J.D. or similar
7.	What is your total household income, including income from all members of your family, in 2017 before taxes? This figure should include salaries, wages, pensions, dividends, interest, and all other income.    \$\textstyle \text{\$\frac{\text{\$}25,000 \text{ or \$\text{\$}49,999}}{\text{\$\text{\$}50,000 \text{ to \$\text{\$}74,999}}{\text{\$\text{\$}}\text{\$\text{\$}5,000 \text{ to \$\text{\$}99,999}}{\text{\$\text{\$}\$}\text{\$\text{\$}100,000 \text{ or more}}

8. V	Vould you say that in general your health is:  ☐ Excellent ☐ Good ☐ Fair ☐ Poor
9. D	During summer of 2018, have you engaged in any outdoor activities, such as hiking, biking, shing, gardening, running, or any other outdoor activity?  Yes – Please list the activities Cambing, Dirtlike Liding  No (skip to question 11)
10. D	Puring the summer of 2018, how often would you say you've engaged in the outdoor activities ou've listed above?  Daily  A few times per week  Once per week  Less than once per week, but more than once per month  Rarely – A few times during the summer  Never
AIR QU	JALITY NOTIFICATION
11. D sı	uring the summer of 2018, have you ever received an air quality notification message aggesting you avoid outside activity?  Yes  No
12. D	o you ever seek out information related to wildfire and smoke notifications?
	b. No (if you answered no to both questions 11 and 12, please skip to question 15)
13. W	Thich source do you use to find wildfire smoke notifications? [Check all that apply]  Social media (like Facebook, Instagram, Twitter)  Television  Online news sources  Newspapers  Friends or Family  Personal observation  State agencies such as Department of Environmental Quality website  Idaho Smoke Information Blog  Federal sources such as AIRnow.gov website  Dynamic road sign displays (such as the signs on I-184 or I-84)  Other

ACTIVITY DATA

14.	In a smoky week in summer 2018, about how many days did you look online (either on a computer, tablet, or smartphone) for smoke-related information, such as air quality, smoke forecasts, or health notices?  □ 0 days □ 1 days □ 2 days □ 3 days □ 4-5 days □ 6-7 days.
15.	During summer of 2018, did you <i>ever</i> reduce your outside activities due to wildfire smoke?  ☐ Yes ☐ No ☐ Not applicable
16.	During summer of 2018, think of the <i>longest</i> period of consecutive days you reduced or eliminated your outdoor activities due to a smoke event. How many consecutive days did you reduce or eliminate activity?  O days  1 to 2 days  3 days  4 days  5 days  6 days and more
17.	. What is the <i>minimum</i> air quality index rating that would cause you to reduce your outdoor activity on a particular day?  Green – Good Yellow – Moderate Orange – Unhealthy for Sensitive Groups Red – Unhealthy Purple – Very Unhealthy Maroon – Hazardous I am not familiar with this rating
18.	. What is the <i>minimum</i> air quality index rating that would cause you to eliminate your outdoor activity on a particular day?  Green — Good  Yellow — Moderate  Orange — Unhealthy for Sensitive Groups  Red — Unhealthy  Purple — Very Unhealthy  Maroon — Hazardous  I am not familiar with this rating

40 10 4	
19. If you de	ecided to limit your outdoor activity during a smoke event, what type of information
	d your decision to do so? [Check all that apply]
	Smoke-related health problem statistics
	Air quality information
	Smoke forecasts
	Your own visual observation (seeing the smoke outside)
	Wildfire information
	Advice from your doctor
	Advice from family and friends
20. What typ	be of message could motivate / motivated you to take action to mitigate the risk of issues
related to	wildfire smoke, such as staying indoors or leaving the area? [Check all that apply]
	Text message
	Phone call
	Social media message
	Online message
	Message seen on television
	Emergency alerts
	Contact from family or friends
21. What wa	s the content of the message(s) that motivated you to take this action to mitigate the
negative	health impacts of wildfire smoke? [Check all that apply]
	A short message warning about the risk (1 line of text)
	A short message warning about the risk that included health or other statistics
	A short statement (roughly 1 paragraph)
	A visual infographic or picture
	An online Q&A session (Facebook Live or Instagram Live)
	A video
	A conversation (either online, via phone, or in person)
22. When wo	ould receiving a smoke warning message be most likely to impact your decision to limit
or avoid	outdoor activities <i>that same day?</i>
ZV I	would prefer to know the day before
	Early morning (before 9 AM)
	Late morning (9 AM – noon)
	Afternoon (Noon – 5 PM)
يا لــا	Evening (5 PM or later)
23. Will you	take preventive actions to reduce smoke-related health impacts in the future?
	Yes - Please list the actions you might take Check air quality
LI N	No
□ 1	Not sure

# NATURAL HAZARD QUESTIONS

1	vonsider wildfire smoke events a natural hazard? Ves No Not sure
importan	olic health threat, are wildfire smoke events more important, less important, or about as at as other natural disasters, such as hurricanes or tornadoes?  Much less severe/important  Somewhat less severe/important  About as severe/important  Somewhat more severe/important  Much more severe/important
	You consider evacuating your home only because of the wildfire smoke? Yes, I have done this in the past. Yes, I would consider it No Prefer not to answer
HEALTH QU	ESTIONS
	yes No Not sure
in the su	have any of the following symptoms during or a few days after one of the smoke events immer of 2018 in the Boise area / Treasure Valley? [Check all that apply] Wheezing or whistling in the chest Itchy or watery eyes Irritated eyes Sneezing or a runny or blocked nose Dry irritated nose / sinuses A sore or irritated throat A cold A dry cough at night A dry cough first thing in the morning A dry cough at other times of the day A wet cough (congestion in the chest or phlegm production) Bronchitis An asthma attack Headaches Fatigue

29. Did you use/do any of the following to help with any symptoms during the smoke event? [Check
all that apply]
☐ Take medication
☐ Wear a mask to protect your lungs
☐ Take long showers
☐ Visit a doctor or nurse
☐ Visit a doctor's office for asthma or smoke-related lung issues
Use a personal air filtration system in your home or office
Go to buildings that have air filtration systems like the mall or public library
☐ Miss work due to health problems

	27-21
<b>DE</b> N	Date: Which is the state of the second of these questions, you may leave them blank.  Do you consent to participate in this research study?
1.	Do you consent to participate in this research study?  Yes  No – If you do not consent to participate, please do not complete this survey
2.	What is your age? Fill in the blank
3.	Which gender do you identify with?  A woman  A man  Other
4.	What racial or ethnic group best describes you?  White / Caucasian  Hispanic or Latino Black or African American Native American / American Indian or Alaskan Native Asian / Pacific Islander Other Other
5.	What is the ZIP Code where you currently live?  Fill in the blank 1156
6.	What is the highest degree or level of school you completed? If currently enrolled, highest degree received.  Sth grade or less Some high school, no diploma High school graduate, diploma or GED Some college, no degree Associates degree Bachelor's degree Master's degree Ph.D, M.D., J.D. or similar
7.	What is your total household income, including income from all members of your family, in 2017 before taxes? This figure should include salaries, wages, pensions, dividends, interest, and all other income.     \$25,000 or less  \$25,000 to \$49,999  \$50,000 to \$74,999  \$75,000 to \$99,999  \$100,000 or more

VITY DATA		
Would you say that in general your health is:  ☐ Excellent ☐ Good ☐ Fair ☐ Poor		
During summer of 2018, have you engaged in any outdoor activities, such as hiking, biking, fishing, gardening, running, or any other outdoor activity?  Yes – Please list the activities No (skip to question 11)		
During the summer of 2018, how often would you say you've engaged in the outdoor activities you've listed above?  Daily A few times per week Once per week Less than once per week, but more than once per month Rarely – A few times during the summer Never		
AIR QUALITY NOTIFICATION		
During the summer of 2018, have you ever received an air quality notification message suggesting you avoid outside activity?  Yes  No		
Do you ever seek out information related to wildfire and smoke notifications?		
a. Yes b. No (if you answered no to both questions 11 and 12, please skip to question 15)		
Which source do you use to find wildfire smoke notifications? [Check all that apply]  Social media (like Facebook, Instagram, Twitter)  Television  Online news sources  Newspapers  Friends or Family  Personal observation  State agencies such as Department of Environmental Quality website  Idaho Smoke Information Blog  Federal sources such as AIRnow.gov website		

con	smoky week in summer 2018, about how many days did you look online (either on a aputer, tablet, or smartphone) for smoke-related information, such as air quality, smoke exasts, or health notices?  O days  days  days  4-5 days  6-7 days.
15. Dui	ing summer of 2018, did you <i>ever</i> reduce your outside activities due to wildfire smoke?  ✓ Yes  ✓ No  ✓ Not applicable
elin	ing summer of 2018, think of the <i>longest</i> period of consecutive days you reduced or ninated your outdoor activities due to a smoke event. How many consecutive days did you ace or eliminate activity?  □ 0 days □ 1 to 2 days □ 3 days □ 4 days □ 5 days □ 6 days and more
	at is the minimum air quality index rating that would cause you to reduce your outdoor activity a particular day?  Green — Good  Yellow — Moderate  Orange — Unhealthy for Sensitive Groups  Red — Unhealthy  Purple — Very Unhealthy  Maroon — Hazardous  I am not familiar with this rating
	at is the minimum air quality index rating that would cause you to eliminate your outdoor  vity on a particular day?  Green – Good  Yellow – Moderate  Orange – Unhealthy for Sensitive Groups  Red – Unhealthy  Purple – Very Unhealthy  Maroon – Hazardous  Lam not familiar with this rating

# NATURAL HAZARD QUESTIONS

	consider wildfire smoke events a natural hazard? Yes No Not sure
importar	blic health threat, are wildfire smoke events more important, less important, or about as at as other natural disasters, such as hurricanes or tornadoes?  Much less severe/important Somewhat less severe/important About as severe/important Somewhat more severe/important Much more severe/important
	you consider evacuating your home only because of the wildfire smoke? Yes, I have done this in the past. Yes, I would consider it No Prefer not to answer
HEALTH QU	VESTIONS
	yes No Not sure
in the su	have any of the following symptoms during or a few days after one of the smoke events ammer of 2018 in the Boise area / Treasure Valley? [Check all that apply] Wheezing or whistling in the chest Itchy or watery eyes Irritated eyes Sneezing or a runny or blocked nose Dry irritated nose / sinuses A sore or irritated throat A cold A dry cough at night A dry cough first thing in the morning A dry cough at other times of the day A wet cough (congestion in the chest or phlegm production) Bronchitis An asthma attack Headaches Fatigue

all that	use/do any of the following to help with any symptoms during the smoke event? [Check apply]  Take medication
	Wear a mask to protect your lungs
	Take long showers
	Visit a doctor or nurse
	Visit a doctor's office for asthma or smoke-related lung issues
	Use a personal air filtration system in your home or office
	Go to buildings that have air filtration systems like the mall or public library
	Miss work due to health problems