

Date: 8/30/18
Survey location: Ann Morrison

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 25

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 99709

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 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 Fighting Fire
- 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. 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 Incident Command Post

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 *ever* reduce your outside activities due to wildfire smoke?

Yes

No

Not applicable

16. During summer of 2018, think of the *longest* 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
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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 *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 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
- Not sure

NATURAL HAZARD QUESTIONS

24. Do you consider wildfire smoke events a natural hazard?

- Yes
- No
- Not sure

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?

- 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 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 events 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

Date: _____
Survey location: Ann Morrison

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5. What is the ZIP Code where you currently live?

Fill in the blank 83702 / 99703

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ACTIVITY DATA

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- Excellent
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- 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 All listed
- 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?

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AIR QUALITY NOTIFICATION

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- Yes
- No

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- Dynamic road sign displays (such as the signs on I-184 or I-84)
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- Yes
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- Evening (5 PM or later)

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- Yes – Please list the actions you might take _____
- No
- Not sure

NATURAL HAZARD QUESTIONS

24. Do you consider wildfire smoke events a natural hazard?

- Yes
- No
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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?

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- Yes, I have done this in the past.
- Yes, I would consider it
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HEALTH QUESTIONS

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- Yes
- No
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28. Did you have any of the following symptoms during or a few days after one of the smoke events in the summer of 2018 in the Boise area / Treasure Valley? [Check all that apply]

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- 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

None

Date:

Survey location: Ann Morrison

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

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2. What is your age?

Fill in the blank 30

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 34488

6. What is the highest degree or level of school you completed? If currently enrolled, highest degree received.

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ACTIVITY DATA

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NATURAL HAZARD QUESTIONS

24. Do you consider wildfire smoke events a natural hazard?

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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?

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26. Would you consider evacuating your home only because of the wildfire smoke?

- Yes, I have done this in the past.
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- No
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HEALTH QUESTIONS

27. Have you, or anyone in your household, experienced wildfire smoke-related illness?

- Yes
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28. Did you have any of the following symptoms during or a few days after one of the smoke events in the summer of 2018 in the Boise area / Treasure Valley? [Check all that apply]

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- Irritated eyes
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- A cold
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- 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: 8/30
Survey location: Van Morrison Park

DEMOGRAPHIC DATA

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Yes

No – If you do not consent to participate, please do not complete this survey

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Fill in the blank 26

3. Which gender do you identify with?

A woman

A man

Other _____

4. What racial or ethnic group best describes you?

White / Caucasian

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- Go to buildings that have air filtration systems like the mall or public library
- Miss work due to health problems

Date:

Survey location: Ann Morrison

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 28

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 55731

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 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 hiking, biking, fishing
Skiing, cross country, skiing
- 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. 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 Radio-MPR

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 *ever* reduce your outside activities due to wildfire smoke?

Yes

No

Not applicable

16. During summer of 2018, think of the *longest* 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

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 *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 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
- Not sure

NATURAL HAZARD QUESTIONS

24. Do you consider wildfire smoke events a natural hazard?

- Yes
- No
- Not sure

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?

- 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 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 events 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

None

Date: 8/30/18
Survey location: Ann Morrison

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 29

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 55731

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 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. 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 _____

inciweb.org

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 *ever* reduce your outside activities due to wildfire smoke?

- Yes
- No
- Not applicable

16. During summer of 2018, think of the *longest* 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

I will always be outside

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 *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 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 *fire is my job*
- Not sure

NATURAL HAZARD QUESTIONS

24. Do you consider wildfire smoke events a natural hazard?

- Yes
- No
- Not sure

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?

- 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 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 events 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

Date: 8/30/10
Survey location: Ann Monson

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 20

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 93646

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 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 Hiking
- 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. 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 *ever* reduce your outside activities due to wildfire smoke?

- Yes
- No
- Not applicable

16. During summer of 2018, think of the *longest* 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

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 *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 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 *Not smoke
go outside in red*
- No
- Not sure

NATURAL HAZARD QUESTIONS

24. Do you consider wildfire smoke events a natural hazard?

- Yes
- No
- Not sure

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?

- 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 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 events 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

Date:

Survey location:

Anne Arbor

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 49

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 83703

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 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
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AIR QUALITY NOTIFICATION

11. During the summer of 2018, have you ever received an air quality notification message suggesting you avoid outside activity?

- Yes
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12. Do you ever seek out information related to wildfire and smoke notifications?

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- Idaho Smoke Information Blog
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- Other _____

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- 0 days
- 1 days
- 2 days
- 3 days
- 4-5 days
- 6-7 days.

15. During summer of 2018, did you *ever* reduce your outside activities due to wildfire smoke?

- Yes
- No
- Not applicable

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- I am not familiar with this rating

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- Smoke-related health problem statistics
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- Smoke forecasts
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- Wildfire information
- Advice from your doctor
- Advice from family and friends

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- 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 Stay indoors
- No
- Not sure

NATURAL HAZARD QUESTIONS

24. Do you consider wildfire smoke events a natural hazard?

- Yes
- No
- Not sure

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?

- Much less severe/important
- Somewhat less severe/important
- About as severe/important
- Somewhat more severe/important
- Much more severe/important

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- 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

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- 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: 8-30-18
Survey location: Kristen Armstrong 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 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 83642

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 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 mostly camping
- 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. 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 *ever* reduce your outside activities due to wildfire smoke?

- Yes
- No
- Not applicable

16. During summer of 2018, think of the *longest* 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

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 *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 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
- Not sure

NATURAL HAZARD QUESTIONS

24. Do you consider wildfire smoke events a natural hazard?

- Yes
- No
- Not sure

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?

- 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 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 events 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

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 54

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 83714

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 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. 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 *ever* reduce your outside activities due to wildfire smoke?

- Yes
- No
- Not applicable

16. During summer of 2018, think of the *longest* 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

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 *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 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
- Not sure

NATURAL HAZARD QUESTIONS

24. Do you consider wildfire smoke events a natural hazard?

- Yes
- No
- Not sure

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?

- 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 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 events 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

22-11

Date: 8/30/18
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 29

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 83642

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 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 Lots of Camping
 - 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. 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 *ever* reduce your outside activities due to wildfire smoke?

- Yes
- No
- Not applicable

16. During summer of 2018, think of the *longest* 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

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 *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 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
- Not sure

NATURAL HAZARD QUESTIONS

24. Do you consider wildfire smoke events a natural hazard?

- Yes
- No
- Not sure

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?

- 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 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 events 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

22-12

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 23

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 83105

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 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 gardening, walks, swimming
 - 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. 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 *ever* reduce your outside activities due to wildfire smoke?

- Yes
- No
- Not applicable

16. During summer of 2018, think of the *longest* 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

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 *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 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 *staying indoors*
- No
- Not sure

NATURAL HAZARD QUESTIONS

24. Do you consider wildfire smoke events a natural hazard?

- Yes
- No
- Not sure

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?

- 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 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 events 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

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 45

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 83713

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 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 hiking, fishing camping,
 - 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. 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 ?me!
 - 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 *ever* reduce your outside activities due to wildfire smoke?

- Yes
- No
- Not applicable

16. During summer of 2018, think of the *longest* 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

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 *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 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 *check news, check window, check online*
- No
- Not sure

NATURAL HAZARD QUESTIONS

24. Do you consider wildfire smoke events a natural hazard?

- Yes
- No
- Not sure

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?

- 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 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 events 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

22-14

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 23

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 Hawaiian

5. What is the ZIP Code where you currently live?

Fill in the blank 83505

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 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. 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 *ever* reduce your outside activities due to wildfire smoke?

- Yes
- No
- Not applicable

16. During summer of 2018, think of the *longest* 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

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 *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 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 stay inside
- No
- Not sure

NATURAL HAZARD QUESTIONS

24. Do you consider wildfire smoke events a natural hazard?

- Yes
- No
- Not sure

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?

- 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 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 events 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

22-15

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 32

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 83712

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 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 All
 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. 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 *ever* reduce your outside activities due to wildfire smoke?

- Yes
- No
- Not applicable

16. During summer of 2018, think of the *longest* 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

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 *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 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 going vegan, drive less
- No
- Not sure

NATURAL HAZARD QUESTIONS

24. Do you consider wildfire smoke events a natural hazard?

- Yes
- No
- Not sure

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?

- 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 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 events 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

22-16

Date: 8/30/2018
Survey location: Kristen A. Municipal

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 28

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 83706

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

dots!

This one

ACTIVITY 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 Golf, floating
 - 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. 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)
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 - 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 *ever* reduce your outside activities due to wildfire smoke?

- Yes
- No
- Not applicable

16. During summer of 2018, think of the *longest* 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
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- Maroon – Hazardous
- I am not familiar with this rating

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- 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
- 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 *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 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 PAY ATTENTION
- No
- Not sure

NATURAL HAZARD QUESTIONS

24. Do you consider wildfire smoke events a natural hazard?

- Yes
- No
- Not sure

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?

- 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 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 events 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

Date: 8-30-18
Survey location: Boise

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 48

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 83713

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 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 Campfire, Kangy
- 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. 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 *ever* reduce your outside activities due to wildfire smoke?

- Yes
- No
- Not applicable

16. During summer of 2018, think of the *longest* 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

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 *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)

None of these

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
- Not sure

NATURAL HAZARD QUESTIONS

24. Do you consider wildfire smoke events a natural hazard?

- Yes
- No
- Not sure

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?

- 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 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 events 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

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 JC

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 83704

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 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 Camping
- 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. 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 *ever* reduce your outside activities due to wildfire smoke?

- Yes
- No
- Not applicable

16. During summer of 2018, think of the *longest* 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

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 *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 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
- Not sure

NATURAL HAZARD QUESTIONS

24. Do you consider wildfire smoke events a natural hazard?

- Yes
- No
- Not sure

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?

- 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 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 events 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

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 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 83902

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 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. 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 app

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 *ever* reduce your outside activities due to wildfire smoke?

- Yes
- No
- Not applicable

16. During summer of 2018, think of the *longest* 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

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 *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 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
- Not sure

NATURAL HAZARD QUESTIONS

24. Do you consider wildfire smoke events a natural hazard?

- Yes
- No
- Not sure

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?

- 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 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 events 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

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- 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

72-20

Date: 8/30/2018
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 60

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 83702

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 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 Mountain Biking, Hiking, Walking on Greenbelt
- 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. 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)

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- Social media (like Facebook, Instagram, Twitter)
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- 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 *ever* reduce your outside activities due to wildfire smoke?

- Yes
- No
- Not applicable

16. During summer of 2018, think of the *longest* 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
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17. What is the *minimum* air quality index rating that would cause you to reduce your outdoor activity on a particular day?

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- Purple – Very Unhealthy
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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
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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 *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 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
- Not sure

NATURAL HAZARD QUESTIONS

24. Do you consider wildfire smoke events a natural hazard?

- Yes
- No
- Not sure

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?

- 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 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 events 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

Date: 8/30
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 60

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 80702

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 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 *biking working hiking*
 - 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. 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 *ever* reduce your outside activities due to wildfire smoke?

- Yes
- No
- Not applicable

16. During summer of 2018, think of the *longest* 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

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

Something more than seeing

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 *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 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
- Not sure

NATURAL HAZARD QUESTIONS

24. Do you consider wildfire smoke events a natural hazard?

- Yes
- No
- Not sure

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?

- 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 *if smoke permeated house only*
- 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 events 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

none

22-22

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 50+

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 83713

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 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. 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 *ever* reduce your outside activities due to wildfire smoke?

- Yes
- No
- Not applicable

16. During summer of 2018, think of the *longest* 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

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 *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 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
- Not sure

NATURAL HAZARD QUESTIONS

24. Do you consider wildfire smoke events a natural hazard?

- Yes
- No
- Not sure

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?

- 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 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 events 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

Date: 8/30

Survey location: Municipal 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 44

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 83705

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 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)

*hiking, biking,
Kayaking
(flatwater)*

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. 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. *or more*

15. During summer of 2018, did you *ever* reduce your outside activities due to wildfire smoke?

- Yes
- No
- Not applicable

16. During summer of 2018, think of the *longest* 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

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 *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 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 mask, stay inside
- No
- Not sure

NATURAL HAZARD QUESTIONS

24. Do you consider wildfire smoke events a natural hazard?

- Yes
- No
- Not sure

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?

- 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 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 events 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

22-24

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 60

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 33712

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 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 outdoor
- 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. 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)
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- 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 *ever* reduce your outside activities due to wildfire smoke?

- Yes
- No
- Not applicable

16. During summer of 2018, think of the *longest* 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

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 *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 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 *move to someplace else – leave town*
- No
- Not sure

NATURAL HAZARD QUESTIONS

24. Do you consider wildfire smoke events a natural hazard?

- Yes
- No
- Not sure

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?

- 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 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 events 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

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 30

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 83713

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 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 All
- 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. 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 RADIO

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 *ever* reduce your outside activities due to wildfire smoke?

- Yes
- No
- Not applicable

16. During summer of 2018, think of the *longest* 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

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 *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 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
- Not sure

NATURAL HAZARD QUESTIONS

24. Do you consider wildfire smoke events a natural hazard?

- Yes
- No
- Not sure

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?

- 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
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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 events 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
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- 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 45

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 83704

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 DATA

8. Would you say that in general your health is:

- Excellent
- Good
- Fair
- Poor

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- Yes – Please list the activities _____
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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
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- Other _____

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- 0 days
- 1 days
- 2 days
- 3 days
- 4-5 days
- 6-7 days.

15. During summer of 2018, did you *ever* reduce your outside activities due to wildfire smoke?

- Yes
- No
- Not applicable

16. During summer of 2018, think of the *longest* 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
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- Green – Good
- Yellow – Moderate
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- 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?

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- Smoke-related health problem statistics
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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]

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- Social media message
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- Emergency alerts
- Contact from family or friends

21. What was 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]

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- A video
- A conversation (either online, via phone, or in person)

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- 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
- Not sure

NATURAL HAZARD QUESTIONS

24. Do you consider wildfire smoke events a natural hazard?

- Yes
- No
- Not sure

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?

- 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 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 events in the summer of 2018 in the Boise area / Treasure Valley? [Check all that apply]

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- 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 47

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 83642

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 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)

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AIR QUALITY NOTIFICATION

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- Federal sources such as AIRnow.gov website
- Dynamic road sign displays (such as the signs on I-184 or I-84)
- Other _____

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- 2 days
- 3 days
- 4-5 days
- 6-7 days.

15. During summer of 2018, did you *ever* reduce your outside activities due to wildfire smoke?

- Yes
 No
 Not applicable

16. During summer of 2018, think of the *longest* 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?

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17. What is the *minimum* air quality index rating that would cause you to reduce your outdoor activity on a particular day?

- Green – Good
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- Red – Unhealthy
- Purple – Very Unhealthy
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18. What is the *minimum* air quality index rating that would cause you to eliminate your outdoor activity on a particular day?

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- Smoke forecasts
- Your own visual observation (seeing the smoke outside)
- Wildfire information
- Advice from your doctor
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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]

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- Contact from family or friends

21. What was 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]

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- An online Q&A session (Facebook Live or Instagram Live)
- A video
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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)
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- 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

NATURAL HAZARD QUESTIONS

24. Do you consider wildfire smoke events a natural hazard?

- Yes
- No
- Not sure

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?

- Much less severe/important
- Somewhat less severe/important
- About as severe/important
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26. Would you consider evacuating your home only because of the wildfire smoke?

- Yes, I have done this in the past.
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HEALTH QUESTIONS

27. Have you, or anyone in your household, experienced wildfire smoke-related illness?

- Yes
- No
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28. Did you have any of the following symptoms during or a few days after one of the smoke events in the summer of 2018 in the Boise area / Treasure Valley? [Check all that apply]

- Wheezing or whistling in the chest
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- 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

22-28

Date:

Survey location:

Aug. 30

Armstrong

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 44

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 87646

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

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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

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\$75,000 to \$99,999

\$100,000 or more

ACTIVITY DATA

8. Would you say that in general your health is:

Excellent

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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 Kayaking

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

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Yes

No

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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

NATURAL HAZARD QUESTIONS

24. Do you consider wildfire smoke events a natural hazard?

- Yes
- No
- Not sure

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?

- 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 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 events 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

Date: 8/30/18

Survey location:

K. ARMSTRONG 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 43

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 83042

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 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 RUN, BIKE, ALIVE, FISH, GOLF
- 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. 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 *ever* reduce your outside activities due to wildfire smoke?

- Yes
 No
 Not applicable

16. During summer of 2018, think of the *longest* 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

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 *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 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
- Not sure

NATURAL HAZARD QUESTIONS

24. Do you consider wildfire smoke events a natural hazard?

- Yes
- No
- Not sure

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?

- 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 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 events 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

22-30

Date: 8/30/18
Survey location: KIRSTEN ARMSTRONG 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 41

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 83702

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 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 FISHING, WALKING, GARDENING
- 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. 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 *ever* reduce your outside activities due to wildfire smoke?

- Yes
- No
- Not applicable

16. During summer of 2018, think of the *longest* 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

NEVER HOME

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

NO ANSWER I'M NOT GOING OUTSIDE

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

IF I ACTUALLY SEE THE FIRE

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 *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)

N/A

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)

ANY

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

NATURAL HAZARD QUESTIONS

24. Do you consider wildfire smoke events a natural hazard?

- Yes - FIRE HAPPENS. IT'S IDAHO.
- No
- Not sure

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?

- Much less severe/important
- Somewhat less severe/important
- About as severe/important
- Somewhat more severe/important
- Much more severe/important

PROPER FIRE BURNS ARE NECESSARY FOR FOREST HEALTH

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 - mom HAS ASTHMA
- No
- Not sure

28. Did you have any of the following symptoms during or a few days after one of the smoke events 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

NONE. STRONG LIKE BULL.

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

WHISKEY

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 61

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 83706

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 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. 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 *ever* reduce your outside activities due to wildfire smoke?

- Yes
- No
- Not applicable

16. During summer of 2018, think of the *longest* 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

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 *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 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
- Not sure

NATURAL HAZARD QUESTIONS

24. Do you consider wildfire smoke events a natural hazard?

- Yes
- No
- Not sure

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?

- 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 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 events 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

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 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

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 63051

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 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 Volleyball
- 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. 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 Phone notification

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 *ever* reduce your outside activities due to wildfire smoke?

- Yes
 No
 Not applicable

16. During summer of 2018, think of the *longest* 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

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 *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 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
- Not sure

NATURAL HAZARD QUESTIONS

24. Do you consider wildfire smoke events a natural hazard?

- Yes
- No
- Not sure

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?

- 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 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 events 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

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 30

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 83704

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 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 Hiking
 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. 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 *ever* reduce your outside activities due to wildfire smoke?

- Yes
- No
- Not applicable

16. During summer of 2018, think of the *longest* 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

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 *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 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
- Not sure

NATURAL HAZARD QUESTIONS

24. Do you consider wildfire smoke events a natural hazard?

- Yes
- No
- Not sure

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?

- 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 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 events 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
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- Fatigue

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- 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: 8-30-18

Survey location: Kristen Armstrong Municipal 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 28

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 88651

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 XZ 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 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)

hiking fishing rafting camping

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. 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
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- Newspapers
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- 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 *ever* reduce your outside activities due to wildfire smoke?

- Yes
- No
- Not applicable

16. During summer of 2018, think of the *longest* 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
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- 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?

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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 *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
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- A video
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- 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
- Not sure

NATURAL HAZARD QUESTIONS

24. Do you consider wildfire smoke events a natural hazard?

- Yes
- No
- Not sure

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?

- 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 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 events 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
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- 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 84617

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 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
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- Less than once per week, but more than once per month
- Rarely – A few times during the summer
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AIR QUALITY NOTIFICATION

11. During the summer of 2018, have you ever received an air quality notification message suggesting you avoid outside activity?

- Yes
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- b. No (if you answered no to both questions 11 and 12, please skip to question 15)

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- 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?

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- 3 days
- 4-5 days
- 6-7 days.

15. During summer of 2018, did you *ever* reduce your outside activities due to wildfire smoke?

- Yes
- No
- Not applicable

16. During summer of 2018, think of the *longest* 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
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17. What is the *minimum* air quality index rating that would cause you to reduce your outdoor activity on a particular day?

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- Afternoon (Noon – 5 PM)
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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

NATURAL HAZARD QUESTIONS

24. Do you consider wildfire smoke events a natural hazard?

- Yes
- No
- Not sure

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?

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- 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
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HEALTH QUESTIONS

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- Yes
- No
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- 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
 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 83712

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
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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.

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ACTIVITY 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 Everything
- No (skip to question 11)

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AIR QUALITY NOTIFICATION

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- 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
- Not sure

NATURAL HAZARD QUESTIONS

24. Do you consider wildfire smoke events a natural hazard?

- Yes
- No
- Not sure

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?

- 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 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 events 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

Date: 8/30

Survey location: K.A. Municipal 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 29

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 83406

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 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. 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 *ever* reduce your outside activities due to wildfire smoke?

- Yes
- No
- Not applicable

16. During summer of 2018, think of the *longest* 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

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 *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 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
- Not sure

NATURAL HAZARD QUESTIONS

24. Do you consider wildfire smoke events a natural hazard?

- Yes
- No
- Not sure

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?

- 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

depends
how close/severe

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 events 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

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 45

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 83704

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 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 biking, hiking
 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. 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 *ever* reduce your outside activities due to wildfire smoke?

- Yes
- No
- Not applicable

16. During summer of 2018, think of the *longest* 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

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 *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 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
- Not sure

NATURAL HAZARD QUESTIONS

24. Do you consider wildfire smoke events a natural hazard?

- Yes
- No
- Not sure

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?

- 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 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 events 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

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

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 83705

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 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 Run, Bike
 - 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. 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 *ever* reduce your outside activities due to wildfire smoke?

- Yes
- No
- Not applicable

16. During summer of 2018, think of the *longest* 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?

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- 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
- 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 *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 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 Wear a mask
- No
- Not sure

NATURAL HAZARD QUESTIONS

24. Do you consider wildfire smoke events a natural hazard?

- Yes
- No
- Not sure

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?

- 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 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 events 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

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 42

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 83103

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 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 running, hiking, biking
 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
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12. Do you ever seek out information related to wildfire and smoke notifications?
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 Federal sources such as AIRnow.gov website
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 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
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- 2 days
- 3 days
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- 6-7 days.

15. During summer of 2018, did you *ever* reduce your outside activities due to wildfire smoke?

- Yes
- No
- Not applicable

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- 0 days
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- 3 days
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- 5 days
- 6 days and more

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- Orange – Unhealthy for Sensitive Groups
- Red – Unhealthy
- Purple – Very Unhealthy
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18. What is the *minimum* air quality index rating that would cause you to eliminate your outdoor activity on a particular day?

- Green – Good
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- 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]

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- Phone call
- Social media message
- Online message
- Message seen on television
- Emergency alerts
- Contact from family or friends

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- 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
- Not sure

NATURAL HAZARD QUESTIONS

24. Do you consider wildfire smoke events a natural hazard?

- Yes
- No
- Not sure

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?

- 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 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 events 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

Date: 8/30/18

Survey location: K. A. Municipal 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 25

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 83706

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 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 Hiking, biking
 - 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. 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 *ever* reduce your outside activities due to wildfire smoke?

- Yes
- No
- Not applicable

16. During summer of 2018, think of the *longest* 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

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 *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 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 *checking for smoke warnings*
- No
- Not sure

NATURAL HAZARD QUESTIONS

24. Do you consider wildfire smoke events a natural hazard?

- Yes
- No
- Not sure

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?

- 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 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 events 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

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 83705

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 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 biking
 - 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. 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 Pdxeron Go

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 *ever* reduce your outside activities due to wildfire smoke?

- Yes
- No
- Not applicable

16. During summer of 2018, think of the *longest* 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

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 *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 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
- Not sure

NATURAL HAZARD QUESTIONS

24. Do you consider wildfire smoke events a natural hazard?

- Yes
- No
- Not sure

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?

- 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 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 events 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

22-43

Date: 8-30-2018

Survey location: KRISTIN ARMSTRONG PARK
BOISE ID

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 57

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 83703

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 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 ROAD CYCLING
- 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. 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 _____

22-43

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 *ever* reduce your outside activities due to wildfire smoke?

- Yes
- No
- Not applicable

16. During summer of 2018, think of the *longest* 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
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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?

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- Yellow – Moderate
- Orange – Unhealthy for Sensitive Groups
- Red – Unhealthy
- Purple – Very Unhealthy
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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
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21. What was 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]

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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 activity with smoky
- No
- Not sure

NATURAL HAZARD QUESTIONS

24. Do you consider wildfire smoke events a natural hazard?

- Yes
- No
- Not sure

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?

- 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 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 events in the summer of 2018 in the Boise area / Treasure Valley? [Check all that apply]

- Wheezing or whistling in the chest
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 - Take long showers
 - Visit a doctor or nurse
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 - 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: 8.30.18

Survey location: KRISTIN ARMSTRONG
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 56

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 83703

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 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)

CYCLING RUNNING GARDENING
HIKING KAYAKING

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
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- 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
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- 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]

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- Newspapers
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- Personal observation
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- 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
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- 3 days
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- 6-7 days.

15. During summer of 2018, did you *ever* reduce your outside activities due to wildfire smoke?

- Yes
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- Orange – Unhealthy for Sensitive Groups
- Red – Unhealthy
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- Maroon – Hazardous
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- 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 *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 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
- Not sure

NATURAL HAZARD QUESTIONS

24. Do you consider wildfire smoke events a natural hazard?

- Yes
- No
- Not sure

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?

- 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 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 events 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