

Date: 9.4.18
 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 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 83410

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 of the above
- 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: 9/4/2018

Survey location: WEEPER PARK, Eagle, 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 745 yrs

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 83444

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 (*never*)
- 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 *temperature dependant*
- 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 indoors*
 - No
 - Not sure
- seek cleaner air elsewhere*

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: 9/4/08
Survey location: eagle

DEMOGRAPHIC DATA

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

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

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

2. What is your age?

Fill in the blank 40

3. Which gender do you identify with?

A woman
 A man
 Other _____

4. What racial or ethnic group best describes you?

White / Caucasian
 Hispanic or Latino
 Black or African American
 Native American / American Indian or Alaskan Native
 Asian / Pacific Islander
 Other _____

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

Fill in the blank _____

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

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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 - Once per week
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 - Never

AIR QUALITY NOTIFICATION

11. During the summer of 2018, have you ever received an air quality notification message suggesting you avoid outside activity?
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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
- 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
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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
- 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
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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:
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 39

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 83614

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, rafting, fishing, swimming, paddle boarding
gardening, bicycling*

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

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- 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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- Red – Unhealthy
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- Smoke-related health problem statistics
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- 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]

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- 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

Date: 9-4-18
Survey location: Guelph 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 93616

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, running +
 - 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: 9-4-18
Survey location: Eagle Isd

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 83616

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

8th grade or less

Some high school, no diploma

High school graduate, diploma or GED

Some college, no degree

Associates degree

Bachelor's degree

Master's degree

Ph.D., M.D., J.D. or similar

7. What is your total household income, including income from all members of your family, in 2017 before taxes? This figure should include salaries, wages, pensions, dividends, interest, and all other income.

\$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, garden, boating,*
 - 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

*Stay aware of
smoke/air forecasts*

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

NL

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 62

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 Hiking, boating, swimming, 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 - headache only - burning eyes
- 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: 8-4-19

Survey location: Guever 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 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 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 Gardening, Walking
- No (skip to question 11)

10. During the summer of 2018, how often would you say you've engaged in the outdoor activities you've listed above?

- Daily
- A few times per week
- Once per week
- Less than once per week, but more than once per month
- Rarely – A few times during the summer
- Never

AIR QUALITY NOTIFICATION

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

- 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 RAD ID

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

don't know if that
was the reason
for these
symptoms

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: 7/4/18
Survey location: Hill Rd 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 83669

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, gardening, running

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 Limit outdoor activities
- 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 *With sinus relief shower Medication*
- 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 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 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 biking, hiking, rafting, camping, fishing, gardening, etc.
- 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 when unhealthy air quality exists,*
- 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 34

3. Which gender do you identify with?

A woman
 A man
 Other _____

4. What racial or ethnic group best describes you?

White / Caucasian
 Hispanic or Latino
 Black or African American
 Native American / American Indian or Alaskan Native
 Asian / Pacific Islander
 Other _____

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

Fill in the blank 25414

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

 None.

Date: 9-4-18
Survey location: Gunders 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 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 - walking
- No (skip to question 11)

10. During the summer of 2018, how often would you say you've engaged in the outdoor activities you've listed above?

- Daily
- A few times per week
- Once per week
- Less than once per week, but more than once per month
- Rarely – A few times during the summer
- Never

AIR QUALITY NOTIFICATION

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

- 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: 9/4/18
 Survey location: Guerber 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 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 83616

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

8th grade or less

Some high school, no diploma

High school graduate, diploma or GED

Some college, no degree

Associates degree

Bachelor's degree

Master's degree

Ph.D., M.D., J.D. or similar

7. What is your total household income, including income from all members of your family, in 2017 before taxes? This figure should include salaries, wages, pensions, dividends, interest, and all other income.

\$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, walking, running, swimming*

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

Road closed 2° to 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)

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

-Unless it's a fire not just smoke

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: 8/9/18
Survey location: Gwerber Park

DEMOGRAPHIC DATA

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

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

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

2. What is your age?

Fill in the blank 33

3. Which gender do you identify with?

A woman
 A man
 Other _____

4. What racial or ethnic group best describes you?

White / Caucasian
 Hispanic or Latino
 Black or African American
 Native American / American Indian or Alaskan Native
 Asian / Pacific Islander
 Other _____

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

Fill in the blank 83616

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

8th grade or less
 Some high school, no diploma
 High school graduate, diploma or GED
 Some college, no degree
 Associates degree
 Bachelor's degree
 Master's degree
 Ph.D., M.D., J.D. or similar

7. What is your total household income, including income from all members of your family, in 2017 before taxes? This figure should include salaries, wages, pensions, dividends, interest, and all other income.

\$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: ~~9/4/18~~
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 40

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 83669

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 *I will reduce activity level such as sports or yard work*
- 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]

- N/A
- Take medication
 - Wear a mask to protect your lungs
 - Take long showers
 - Visit a doctor or nurse
 - Visit a doctor's office for asthma or smoke-related lung issues
 - Use a personal air filtration system in your home or office
 - Go to buildings that have air filtration systems like the mall or public library
 - Miss work due to health problems

Date: 9/4/18
Survey location: Eagle 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 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 83614

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, 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)
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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?

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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

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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- 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: 9/4/18
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 34

3. Which gender do you identify with?

A woman
 A man
 Other _____

4. What racial or ethnic group best describes you?

White / Caucasian
 Hispanic or Latino
 Black or African American
 Native American / American Indian or Alaskan Native
 Asian / Pacific Islander
 Other _____

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

Fill in the blank 85642

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 WALKING
- No (skip to question 11)

10. During the summer of 2018, how often would you say you've engaged in the outdoor activities you've listed above?

- Daily
- A few times per week
- Once per week
- Less than once per week, but more than once per month
- Rarely – A few times during the summer
- Never

AIR QUALITY NOTIFICATION

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

- 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: 9-4-18

Survey location:

Guerber 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 47

3. Which gender do you identify with?

A woman

A man

Other _____

It really ticks me off
that the "other" option
is on this test! :)

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 83101-019

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 / walking / 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 Notices (emails from West Ada School District)

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 *cough drops*
- 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 (*humidifier*)
- Go to buildings that have air filtration systems like the mall or public library
- Miss work due to health problems

Date: 9/4/18
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 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 _____

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 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 83646

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 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 83644

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 of the above
 - 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] None

- 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 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 83646

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, Running*
 - 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: 9-4-18
Survey location: Guerber 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 34

3. Which gender do you identify with?

A woman
 A man
 Other _____

4. What racial or ethnic group best describes you?

White / Caucasian
 Hispanic or Latino
 Black or African American
 Native American / American Indian or Alaskan Native
 Asian / Pacific Islander
 Other _____

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

Fill in the blank 83646

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, hiking, Fishing
 - 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
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- A visual infographic or picture
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- 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)
- 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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- 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 40

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, 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)
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- Online news sources
- Newspapers
- Friends or Family
- Personal observation
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- 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
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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

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- Orange – Unhealthy for Sensitive Groups
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- 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:
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 35

3. Which gender do you identify with?

A woman
 A man
 Other _____

4. What racial or ethnic group best describes you?

White / Caucasian
 Hispanic or Latino
 Black or African American
 Native American / American Indian or Alaskan Native
 Asian / Pacific Islander
 Other _____

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

Fill in the blank 83616

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

8th grade or less
 Some high school, no diploma
 High school graduate, diploma or GED
 Some college, no degree
 Associates degree
 Bachelor's degree
 Master's degree
 Ph.D, M.D., J.D. or similar

7. What is your total household income, including income from all members of your family, in 2017 before taxes? This figure should include salaries, wages, pensions, dividends, interest, and all other income.

\$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 & Boating
- 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
- 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: 9/4/18
Survey location: Guerber 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 37

3. Which gender do you identify with?

A woman

A man

Other _____

4. What racial or ethnic group best describes you?

White / Caucasian

Hispanic or Latino

Black or African American

Native American / American Indian or Alaskan Native

Asian / Pacific Islander

Other _____

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

Fill in the blank 83616

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

8th grade or less

Some high school, no diploma

High school graduate, diploma or GED

Some college, no degree

Associates degree

Bachelor's degree

Master's degree

Ph.D, M.D., J.D. or similar

7. What is your total household income, including income from all members of your family, in 2017 before taxes? This figure should include salaries, wages, pensions, dividends, interest, and all other income.

\$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, golf, fishing, 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 _____
- 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 58

3. Which gender do you identify with?

A woman
 A man
 Other _____

4. What racial or ethnic group best describes you?

White / Caucasian
 Hispanic or Latino
 Black or African American
 Native American / American Indian or Alaskan Native
 Asian / Pacific Islander
 Other _____

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

Fill in the blank 83616

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

8th grade or less
 Some high school, no diploma
 High school graduate, diploma or GED
 Some college, no degree
 Associates degree
 Bachelor's degree
 Master's degree
 Ph.D, M.D., J.D. or similar

7. What is your total household income, including income from all members of your family, in 2017 before taxes? This figure should include salaries, wages, pensions, dividends, interest, and all other income.

\$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 EVERYTHING
 - 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 75

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 83416

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 Walking
 - No (skip to question 11)
10. During the summer of 2018, how often would you say you've engaged in the outdoor activities you've listed above?
- Daily
 - A few times per week
 - Once per week
 - Less than once per week, but more than once per month
 - Rarely – A few times during the summer
 - Never

AIR QUALITY NOTIFICATION

11. During the summer of 2018, have you ever received an air quality notification message suggesting you avoid outside activity?
- 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: 9/3/18
 Survey location: Eagle FD

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 91901

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, running - rafting
Swimming*

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 *text*

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

No

29. Did you use/do any of the following to help with any symptoms during the smoke event? [Check all that apply]

NO

- 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 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 83629

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 +T

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.

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\$25,000 to \$49,999

\$50,000 to \$74,999

\$75,000 to \$99,999

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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

No (skip to question 11)

Captain Park / Roaring Springs

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

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No

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

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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?

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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 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 go outside
- No
- Not sure

28-30

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 *unnecessary*
- 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
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- 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
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- Visit a doctor or nurse
- Visit a doctor's office for asthma or smoke-related lung issues
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- Go to buildings that have air filtration systems like the mall or public library
- Miss work due to health problems