**Attachment E-2. Changes to Waves A-I Nonsmoker Survey**

| Item | Currently Approved Question Text | Currently Approved Responses | Revision Type | Revised Question Text | Revised Responses |
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| **NB4** | When you last tried to quit smoking, did you do any of the following?<br><br>NB4_1. Give up cigarettes all at once<br>NB4_2. Gradually cut back on cigarettes<br>NB4_3. Switch completely to vaping (using e-cigarettes, vape pens, JUULs, mods, or other personal vaporizers)<br>NB4_4. Substitute some of your regular cigarettes with vaping (using e-cigarettes, vape pens, JUULs, mods, or other personal vaporizers)<br>NB4_5. Switch to mild or some other brand of cigarettes<br>NB4_6. Use nicotine replacements like the nicotine patch, nicotine gum, nicotine lozenges, nicotine nasal spray, or nicotine inhaler<br>NB4_7. Use medications like Wellbutrin, Zyban, buproprion, Chantix, or varenicline<br>NB4_8. Get help from a telephone quit line<br>NB4_9. Get help from a website such as Smokefree.gov or CDC.gov/Tips | 1. Yes<br>2. No | Revision to update response options for clarity and to match them to current terminology for e-cigarettes (e.g., NJOY, Blu, Logic, Vuse, Puff Bar) | When you last tried to quit smoking, did you do any of the following?<br><br>NB4_1. Give up cigarettes all at once<br>NB4_2. Gradually cut back on cigarettes<br>NB4_3. Switch completely to e-cigarettes, vapes, or mods (popular brands include NJOY, Blu, Logic, Vuse, and JUUL)<br>NB4_4. Substitute some of your regular cigarettes with e-cigarettes, vapes, or mods (popular brands include NJOY, Blu, Logic, Vuse, Puff Bar, and JUUL) NB4_4a. Switch **completely** to heated tobacco products (using "heat not burn" tobacco products, iQOS [eye-kos], Glo, or Eclipse).<br>NB4_4b. Substitute some of your regular cigarettes with heated tobacco products (using "heat not burn" tobacco products, iQOS [eye-kos], Glo, or Eclipse).<br>NB4_5. Switch to a different brand of | 1. Yes<br>2. No |

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| | NB4_10. Get help from a doctor or other health professional<br>NB4_11. Get help from a pharmacist<br>NB4_12. Use a mobile App to help you quit smoking<br>NB4_13. Use a texting program to help you quit smoking | | | cigarettes<br>NB4_5a. Switch to smokeless tobacco (such as snuff, chew, or snus) or dissolvable tobacco<br>NB4_6. Use nicotine replacements medications like the nicotine patch, nicotine gum, nicotine lozenges, nicotine nasal spray, or nicotine inhaler<br>NB4_7. Use medications like Wellbutrin, Zyban, buproprion, Chantix, or varenicline<br>NB4_8. Get help from a telephone quit line<br>NB4_9. Get help from a website such as Smokefree.gov or CDC.gov/Tips<br>NB4_10. Get help from a doctor or other health professional<br>NB4_11. Get help from a pharmacist<br>NB4_12. Use a mobile App to help you quit smoking<br>NB4_13. Use a texting program to help you quit smoking | |
| **NB8** | The next questions are about e-cigarette or vape products that usually contain nicotine, flavors, and other ingredients. You may also know them as JUUL, electronic | N/A | Revision: Updating instructions to improve ability to capture vaping. Note: The image and terminology | The next questions are about electronic or e-cigarettes. You may also know them as vape pens, e-hookah, vapes, or mods. Some | N/A |

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| | cigarettes, e-cigarettes, vape pens, Suorin or mods. Some look like cigarettes, and others look like small boxes, pens, or pipes. **Questions related to vaping in this survey do not include products used for marijuana.** | | may need to be updated to adjust to trends in the market and changes in terminology over time (e.g., NJOY, Blu, Logic, Vuse, Puff Bar) | popular brands include NJOY, Blu, Logic, Vuse, Puff Bar, and JUUL. **Please do not include marijuana, cannabis, and THC products (including concentrates, waxes or hash oils) for these questions.** | |
| **NB9a** | On the days that you vape, how often do you vape? | 1. Rarely<br>2. Sometimes<br>3. Often<br>4. Very often | Deletion because other items on e-cigarettes are more useful. | | |
| **NB13** | In your opinion, regularly vaping and smoking cigarettes is…. | 1. Much less harmful to one's health than only smoking cigarettes<br>2. Slightly less harmful to one's health than only smoking cigarettes<br>3. Equally harmful to one's health as only smoking cigarettes<br>4. Slightly more harmful to one's health than only smoking cigarettes<br>5. Much more harmful to one's health than only smoking cigarettes | Simplifying response options to make question easier to answer | Do you believe that e-cigarettes and vape products are less harmful, equally harmful, or more harmful to your health than smoking regular cigarettes? | 1. Less harmful<br>2. Equally harmful<br>3. More harmful<br>4. I don't know |
| **NC1** | Do you believe cigarette smoking is related to:<br><br>*Statements in row (randomize and record response order):*<br>NC1_1. Lung Cancer<br>NC1_2. Cancer of the mouth or throat<br>NC1_3. Heart Disease | *Answers in columns:*<br>1. Yes<br>2. No | Revision: Adding Kidney Disease, Peripheral Artery Disease, Premature death and Walking difficulties to list of diseases to capture beliefs about smoking- | Do you believe cigarette smoking is related to:<br><br>*Statements in row (randomize and record response order):*<br>NC1_1. Lung Cancer<br>NC1_2. Cancer of the mouth or throat | *Answers in columns:*<br>1. Yes<br>2. No |

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| | NC1_4. Diabetes<br>NC1_5. Emphysema<br>NC1_6. Stroke<br>NC1_7. Hole in throat (stoma or tracheotomy)<br>NC1_8. Buerger's Disease<br>NC1_9. Amputations (removal of limbs)<br>NC1_10. Asthma<br>NC1_11. Gallstones<br>NC1_12. COPD or Chronic bronchitis<br>NC1_13. Periodontal or Gum Disease<br>NC1_14. Premature birth<br>NC1_15. Colorectal Cancer<br>NC1_16. Macular Degeneration or blindness<br>NC1_17. Depression<br>NCI_18. Anxiety disorder<br>NC1_19. Colon Cancer<br>NC1_20. COVID-19 | | related diseases as found in new Tips ads. | NC1_3. Heart Disease<br>NC1_4. Diabetes<br>NC1_5. Emphysema<br>NC1_6. Stroke<br>NC1_7. Hole in throat (stoma or tracheotomy)<br>NC1_8. Buerger's Disease<br>NC1_9. Amputations (removal of limbs)<br>NC1_10. Asthma<br>NC1_11. Gallstones<br>NC1_12. COPD or Chronic bronchitis<br>NC1_13. Periodontal or Gum Disease<br>NC1_14. Premature birth<br>NC1_15. Colorectal Cancer<br>NC1_16. Macular Degeneration or blindness<br>NC1_17. Depression<br>NCI_18. Anxiety disorder<br>NC1_19. Colon Cancer<br>NC1_20. COVID-19<br>NC1_21. Kidney Disease<br>NC1_22. Premature death<br>NC1_23. Walking difficulties | |
| ND19 _NE W [S] | Please tell us if you strongly disagree, disagree, agree, or strongly agree with the following statements. | *Answers in columns:*<br>1. Strongly disagree<br>2. Disagree<br>3. Agree<br>4. Strongly agree | Adding 'menthol' survey items to list to determine message effectiveness of new ads titled | Please tell us if you strongly disagree, disagree, agree, or strongly agree with the following statements. | *Answers in columns:*<br>1. Strongly disagree<br>2. Disagree<br>3. Agree<br>4. Strongly agree |

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| | Statements in row (randomize list):<br>ND15. Using e-cigarettes and vape products can result in serious lung injury or death.<br>ND19. Smoking cigarettes can cause medical complications and diseases that require surgeries and medical procedures to treat. damaging as other cigarettes. | | 'Angie: Love Yourself Tip,' 'Angie: Angry Tip,' and 'Ethan: Cool Tip' and Noel. | Statements in row (randomize list):<br>ND15. Using e-cigarettes and vape products can result in serious lung injury or death.<br>ND19. Smoking cigarettes can cause medical complications and diseases that require surgeries and medical procedures to treat.<br>ND19a. Menthol cigarettes are just as damaging as other cigarettes.<br>ND19b. Tobacco companies aggressively target communities with menthol cigarette advertising. | |
| **NE1a** | | | Addition to improve understanding of media use for program planning | How do you usually watch television these days? | 1. A digital antenna<br>2. A cable or satellite subscription<br>3. A streaming service on the Internet<br>4. Some other way<br>5. Don't watch television |
| **NE1b** | | | Addition to improve understanding of media use for program planning | How often do you watch television or movies, on a TV set or any other device? Do you do this every day or almost every day, at least once a week, at least once a month, or less often? | 1. Every day or almost every day<br>2.  At least once a week<br>3. At least once a month<br>4. Less often<br>5. Never do this |
| **NE3** | On an average day, how many hours do you use | 1. None<br>2. Less than one hour | Revision to improve ability to | On an average day, how many hours do | 1. None<br>2. Less than one hour |

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| | the Internet for personal reasons? | 3. About 1 hour<br>4. About 2 hours<br>5. About 3 hours<br>6. About 4 hours<br>7. 5 hours or more | capture social media exposure | you use the following social media platforms:<br><br>F3_1. Facebook<br>F3_2. Instagram<br>F3_3. Twitter<br>F3_4. Snapchat<br>F3_5. TikTok<br>F3_6. Reddit | 3. About 1 hour<br>4. About 2 hours<br>5. About 3 hours<br>6. About 4 hours<br>7. 5 hours or more |
| NF38 | When you go to a convenience store, supermarket, or gas station, how often do you see ads or promotions for vaping products? | 1. I never go to a convenience store, supermarket, or gas station<br>2. Never<br>3. Rarely<br>4. Sometimes<br>5. Most of the time<br>6. Always | Deletion because no longer a priority item | | |
| NF39 | | | Addition to expand current measures of receptivity to ads | Did you talk to anyone about any of these ads? | 1. Yes<br>2. No |
| NF40 | | | Addition to expand current measures of receptivity to ads | When you talked about the ads, did you talk about any of the following topics?<br>1. These ads were **not** good.<br>2. I should **not** smoke cigarettes.<br>3. The person I was talking to or someone else I know should **not** smoke cigarettes. | 1. Yes<br>2. No |
| QED UC_ HSG ED | | | Addition to include number of participants with GEDs | Do you have a high school diploma or a GED? | 1. High school diploma<br>2. GED<br>3. Don't Know |
| G15 | G15_1. Acid reflux disease<br>G15_2. ADHD or ADD | 1.Yes<br>2. No | Addition to include peripheral artery related | Have you been diagnosed by a physician or other | 1.Yes<br>2. No |

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| | G15_3. Anxiety disorder<br>G15_4. Asthma, chronic bronchitis, or COPD<br>G15_5. Cancer (any type except skin cancer)<br>G15_6. Chronic pain (such as low back pain, neck pain, or Fibromyalgia)<br>G15_7. Depression<br>G15_8. Diabetes<br>G15_9. Heart attack<br>G15_10. Heart disease<br>G15_11. High blood pressure<br>G15_12. High cholesterol<br>G15_13. HIV/AIDS<br>G15_14. Kidney disease<br>G15_15. Mental health condition<br>G15_16. Multiple sclerosis<br>G15_17. Osteoarthritis, joint pain or inflammation<br>G15_18. Osteoporosis or osteopenia<br>G15_19. Rheumatoid arthritis<br>G15_20. Seasonal allergies<br>G15_21. Skin cancer<br>G15_22. Sleep disorders such as sleep apnea or insomnia<br>G15_23. Stroke<br>G15_23a. COVID-19<br>G15_24. Something else [anchor] | | disease and disability included in new *Tips* ads | qualified medical professional with any of the following medical conditions?<br>G15_1. Acid reflux disease<br>G15_2. ADHD or ADD<br>G15_3. Anxiety disorder<br>G15_4. Asthma, chronic bronchitis, or COPD<br>G15_5. Cancer (any type except skin cancer)<br>G15_6. Chronic pain (such as low back pain, neck pain, or Fibromyalgia)<br>G15_7. Depression<br>G15_8. Diabetes<br>G15_9. Heart attack<br>G15_10. Heart disease<br>G15_11. High blood pressure<br>G15_12. High cholesterol<br>G15_13. HIV/AIDS<br>G15_14. Kidney disease<br>G15_15. Mental health condition<br>G15_16. Multiple sclerosis<br>G15_17. Osteoarthritis, joint pain or inflammation<br>G15_18. Osteoporosis or osteopenia<br>G15_19. Rheumatoid arthritis<br>G15_20. Seasonal | |

| | | | | allergies<br>G15_21. Skin cancer<br>G15_22. Sleep disorders such as sleep apnea or insomnia<br>G15_23. Stroke<br>G15_23a. COVID-19<br>G15_23b. walking difficulties due to artery blockage<br>*G15_24. Something else [anchor]* | |
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| **G16** | | | Addition to assess non-diagnosed experiences of anxiety and depression (potential causes of disparities in smoking cessation) | Over the last 2 weeks, how often have you been bothered by the following problems?<br><br>*Statements in row:*<br>G16_1. Little interest or pleasure in doing things<br>G16_2. Feeling down, depressed or hopeless<br>G16_3. Feeling nervous, anxious or on edge<br>G16_4. Not being able to stop or control worrying | 1. Not at all<br>2. Several days<br>3. More than half the days<br>4. Nearly every day |
| **G17** | | | Added to assess the role of discrimination potentially related to stress and smoking | G17. In your day-to-day life, how often have any of the following things happened to you?<br>G17_1.  You are treated with less courtesy or respect than other people.<br>G17_2.  You receive poorer service than other people at restaurants or stores.<br>G17_3.  People act as | 1. Almost every day<br>2. At least once a week<br>3. A few times a month<br>4. A few times a year<br>5. Less than once a year<br>6. Never |

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| | | | if they think you are not smart.<br>G17_4. People act as if they are afraid of you.<br>G17_5. You are threatened or harassed. [GRID] | |
| **G18** | | | G17 and G18 are both part of the same scale | G18. What do you think is the <u>main</u> reason for these experiences? | 1. Your ancestry or national origins<br>2. Your gender<br>3. Your race or ethnicity<br>4. Your age<br>5. Your religion<br>6. Your height<br>7. Your weight<br>8. Some other aspect of your physical appearance<br>9. Your sexual orientation<br>10. Your education or income level<br>11. A physical disability<br>12. Other [specify]:<br>_____ |
| **G23** | Do you consider yourself to be… | 1. Heterosexual or straight<br>2. Gay<br>3. Lesbian<br>4. Bisexual<br>5. Other, please specify | Revised to reflect HHS recommendations | Which of the following best represents how you think of yourself? | 1. Gay (lesbian or gay)<br>2. Straight, this is not gay (or lesbian or gay)<br>3. Bisexual<br>4. Something else<br>5. I don't know the answer |
| **NG22** | | | Addition to address community context and social connectedness, potentially related to stress and smoking. | NG22 [Grid; S Across] Using the scale below, please tell us how much you agree or disagree with the following statements.<br><br>NG21a. I feel safe in my area or neighborhood. | 1. Strongly agree<br>2. Somewhat agree<br>3. Neither agree nor disagree<br>4. Somewhat disagree<br>5. Strongly disagree |

| | | | | NG21b. If I had a problem, I would feel comfortable asking a neighbor for help. | |
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