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

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| **Item** | **Currently Approved Question Text** | **Currently Approved Responses** | **Revision Type** | **Revised Question Text** | **Revised Responses** |
| NB4 | When you last tried to quit smoking, did you do any of the following?  NB4\_1. Give up cigarettes all at once  NB4\_2. Gradually cut back on cigarettes  NB4\_3. Switch completely to vaping (using e-cigarettes, vape pens, JUULs, mods, or other personal vaporizers)  NB4\_4. Substitute some of your regular cigarettes with vaping (using e-cigarettes, vape pens, JUULs, mods, or other personal vaporizers)  NB4\_5. Switch to mild or some other brand of cigarettes  NB4\_6. Use nicotine replacements like the nicotine patch, nicotine gum, nicotine lozenges, nicotine nasal spray, or nicotine inhaler  NB4\_7. Use medications like Wellbutrin, Zyban, buproprion, Chantix, or varenicline  NB4\_8. Get help from a telephone quit line  NB4\_9. Get help from a website such as Smokefree.gov or CDC.gov/Tips  NB4\_10. Get help from a doctor or other health professional  NB4\_11. Get help from a pharmacist  NB4\_12. Use a mobile App to help you quit smoking  NB4\_13. Use a texting program to help you quit smoking | 1. Yes  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?  NB4\_1. Give up cigarettes all at once  NB4\_2. Gradually cut back on cigarettes  NB4\_3. Switch completely to e-cigarettes, vapes, or mods (popular brands include NJOY, Blu, Logic, Vuse, and JUUL) 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).  NB4\_4b. Substitute some of your regular cigarettes with heated tobacco products (using “heat not burn” tobacco products, iQOS [eye-kos], Glo, or Eclipse).  NB4\_5. Switch to a different brand of cigarettes  NB4\_5a. Switch to smokeless tobacco (such as snuff, chew, or snus) or dissolvable tobacco  NB4\_6. Use nicotine replacements medications like the nicotine patch, nicotine gum, nicotine lozenges, nicotine nasal spray, or nicotine inhaler  NB4\_7. Use medications like Wellbutrin, Zyban, buproprion, Chantix, or varenicline  NB4\_8. Get help from a telephone quit line  NB4\_9. Get help from a website such as Smokefree.gov or CDC.gov/Tips  NB4\_10. Get help from a doctor or other health professional  NB4\_11. Get help from a pharmacist  NB4\_12. Use a mobile App to help you quit smoking  NB4\_13. Use a texting program to help you quit smoking | 1. Yes  2. No |
| 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 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.** | N/A | Revision: Updating instructions to improve ability to capture vaping. Note: The image and terminology 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) | The next questions are about electronic or e-cigarettes. You may also know them as vape pens, e-hookah, vapes, or mods. Some 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.** | N/A |
| NB9a | On the days that you vape, how often do you vape? | 1. Rarely  2. Sometimes  3. Often  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  2. Slightly less harmful to one’s health than only smoking cigarettes  3. Equally harmful to one’s health as only smoking cigarettes  4. Slightly more harmful to one’s health than only smoking cigarettes  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  2. Equally harmful  3. More harmful  4. I don’t know |
| NC1 | Do you believe cigarette smoking is related to:  Statements in row (randomize and record response order):  NC1\_1. Lung Cancer  NC1\_2. Cancer of the mouth or throat  NC1\_3. Heart Disease  NC1\_4. Diabetes  NC1\_5. Emphysema  NC1\_6. Stroke  NC1\_7. Hole in throat (stoma or tracheotomy)  NC1\_8. Buerger’s Disease  NC1\_9. Amputations (removal of limbs)  NC1\_10. Asthma  NC1\_11. Gallstones  NC1\_12. COPD or Chronic bronchitis  NC1\_13. Periodontal or Gum Disease  NC1\_14. Premature birth  NC1\_15. Colorectal Cancer  NC1\_16. Macular Degeneration or blindness  NC1\_17. Depression  NCI\_18. Anxiety disorder  NC1\_19. Colon Cancer  NC1\_20. COVID-19 | Answers in columns:  1. Yes  2. No | Revision: Adding Kidney Disease, Peripheral Artery Disease, Premature death and Walking difficulties to list of diseases to capture beliefs about smoking-related diseases as found in new Tips ads. | Do you believe cigarette smoking is related to:  Statements in row (randomize and record response order):  NC1\_1. Lung Cancer  NC1\_2. Cancer of the mouth or throat  NC1\_3. Heart Disease  NC1\_4. Diabetes  NC1\_5. Emphysema  NC1\_6. Stroke  NC1\_7. Hole in throat (stoma or tracheotomy)  NC1\_8. Buerger’s Disease  NC1\_9. Amputations (removal of limbs)  NC1\_10. Asthma  NC1\_11. Gallstones  NC1\_12. COPD or Chronic bronchitis  NC1\_13. Periodontal or Gum Disease  NC1\_14. Premature birth  NC1\_15. Colorectal Cancer  NC1\_16. Macular Degeneration or blindness  NC1\_17. Depression  NCI\_18. Anxiety disorder  NC1\_19. Colon Cancer  NC1\_20. COVID-19  NC1\_21. Kidney Disease  NC1\_22. Premature death  NC1\_23. Walking difficulties | Answers in columns:  1. Yes  2. No |
| **ND19\_NEW [S]** | Please tell us if you strongly disagree, disagree, agree, or strongly agree with the following statements.  Statements in row (randomize list):  ND15. Using e-cigarettes and vape products can result in serious lung injury or death.  ND19. Smoking cigarettes can cause medical complications and diseases that require surgeries and medical procedures to treat.  damaging as other cigarettes. | Answers in columns:  1. Strongly disagree  2. Disagree  3. Agree  4. Strongly agree | Adding ‘menthol’ survey items to list to determine message effectiveness of new ads titled ‘Angie: Love Yourself Tip,’ ‘Angie: Angry Tip,’ and ‘Ethan: Cool Tip’ and Noel. | Please tell us if you strongly disagree, disagree, agree, or strongly agree with the following statements.  Statements in row (randomize list):  ND15. Using e-cigarettes and vape products can result in serious lung injury or death.  ND19. Smoking cigarettes can cause medical complications and diseases that require surgeries and medical procedures to treat.  ND19a. Menthol cigarettes are just as damaging as other cigarettes.  ND19b. Tobacco companies aggressively target communities with menthol cigarette advertising. | Answers in columns:  1. Strongly disagree  2. Disagree  3. Agree  4. Strongly agree |
| **NE1a** |  |  | Addition to improve understanding of media use for program planning | How do you usually watchtelevision these days? | A digital antenna  A cable or satellite subscription  A streaming service on the Internet  Some other way  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? | Every day or almost every day  At least once a week  At least once a month  Less often  Never do this |
| NE3 | On an average day, how many hours do you use the Internet for personal reasons? | 1. None  2. Less than one hour  3. About 1 hour  4. About 2 hours  5. About 3 hours  6. About 4 hours  7. 5 hours or more | Revision to improve ability to capture social media exposure | On an average day, how many hours do you use the following social media platforms:  F3\_1. Facebook  F3\_2. Instagram  F3\_3. Twitter  F3\_4. Snapchat  F3\_5. TikTok  F3\_6. Reddit | 1. None  2. Less than one hour  3. About 1 hour  4. About 2 hours  5. About 3 hours  6. About 4 hours  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  2. Never  3. Rarely  4. Sometimes  5. Most of the time  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     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?  1. These ads were **not** good.  2. I should **not** smoke cigarettes.  3. The person I was talking to or someone else I know should **not** smoke cigarettes. | 1. Yes  2. No |
| QEDUC\_HSGED |  |  | Addition to include number of participants with GEDs | Do you have a high school diploma or a GED? | 1. High school diploma  2. GED  3. Don’t Know |
| G15 | G15\_1. Acid reflux disease  G15\_2. ADHD or ADD  G15\_3. Anxiety disorder  G15\_4. Asthma, chronic bronchitis, or COPD  G15\_5. Cancer (any type except skin cancer)  G15\_6. Chronic pain (such as low back pain, neck pain, or Fibromyalgia)  G15\_7. Depression  G15\_8. Diabetes  G15\_9. Heart attack  G15\_10. Heart disease  G15\_11. High blood pressure  G15\_12. High cholesterol  G15\_13. HIV/AIDS  G15\_14. Kidney disease  G15\_15. Mental health condition  G15\_16. Multiple sclerosis  G15\_17. Osteoarthritis, joint pain or inflammation  G15\_18. Osteoporosis or osteopenia  G15\_19. Rheumatoid arthritis  G15\_20. Seasonal allergies  G15\_21. Skin cancer  G15\_22. Sleep disorders such as sleep apnea or insomnia  G15\_23. Stroke  G15\_23a. COVID-19  G15\_24. Something else [anchor] | 1.Yes  2. No | Addition to include peripheral artery related disease and disability included in new *Tips* ads | Have you been diagnosed by a physician or other qualified medical professional with any of the following medical conditions?  G15\_1. Acid reflux disease  G15\_2. ADHD or ADD  G15\_3. Anxiety disorder  G15\_4. Asthma, chronic bronchitis, or COPD  G15\_5. Cancer (any type except skin cancer)  G15\_6. Chronic pain (such as low back pain, neck pain, or Fibromyalgia)  G15\_7. Depression  G15\_8. Diabetes  G15\_9. Heart attack  G15\_10. Heart disease  G15\_11. High blood pressure  G15\_12. High cholesterol  G15\_13. HIV/AIDS  G15\_14. Kidney disease  G15\_15. Mental health condition  G15\_16. Multiple sclerosis  G15\_17. Osteoarthritis, joint pain or inflammation  G15\_18. Osteoporosis or osteopenia  G15\_19. Rheumatoid arthritis  G15\_20. Seasonal allergies  G15\_21. Skin cancer  G15\_22. Sleep disorders such as sleep apnea or insomnia  G15\_23. Stroke  G15\_23a. COVID-19  G15\_23b. walking difficulties due to artery blockage  G15\_24. Something else [anchor] | 1.Yes  2. No |
| 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?  Statements in row:  G16\_1. Little interest or pleasure in doing things G16\_2. Feeling down, depressed or hopeless G16\_3. Feeling nervous, anxious or on edge  G16\_4. Not being able to stop or control worrying | 1. Not at all 2. Several days 3. More than half the days 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?  G17\_1. You are treated with less courtesy or respect than other people.  G17\_2. You receive poorer service than other people at restaurants or stores.  G17\_3. People act as if they think you are not smart.  G17\_4. People act as if they are afraid of you.  G17\_5. You are threatened or harassed. [GRID] | 1. Almost every day  2. At least once a week  3. A few times a month  4. A few times a year  5. Less than once a year  6. Never |
| G18 |  |  | G17 and G18 are both part of the same scale | G18. What do you think is the main reason for these experiences? | 1. Your ancestry or national origins  2. Your gender  3. Your race or ethnicity  4. Your age  5. Your religion  6. Your height  7. Your weight  8. Some other aspect of your physical appearance  9. Your sexual orientation  10. Your education or income level  11. A physical disability  12. Other [specify]: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| G23 | Do you consider yourself to be… | 1. Heterosexual or straight  2. Gay  3. Lesbian  4. Bisexual  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)  2. Straight, this is not gay (or lesbian or gay)  3. Bisexual  4. Something else  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.  NG21a. I feel safe in my area or neighborhood.  NG21b. If I had a problem, I would feel comfortable asking a neighbor for help. | 1. Strongly agree  2. Somewhat agree  3. Neither agree nor disagree  4. Somewhat disagree  5. Strongly disagree |