**Attachment D-2. Changes to Waves A-I Smoker Survey**

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| **Item** | **Currently Approved Question Text** | **Currently Approved Responses** | **Revision Type/ Justification** | **Revised Question Text** | **Revised Responses** |
| **C3c** | In the past 12 months, have you used any of the following medications to help you quit smoking: nicotine skin patch, nicotine gum, nicotine lozenges, nicotine nasal spray, a nicotine inhaler, or pills such as Wellbutrin, Zyban, bupropion, Chantix, or varenicline? | 1. Yes2. No | Deletion because information already captured in another item |  |  |
| **C4** | When you last tried to quit smoking, did you do any of the following?C4\_1. Give up cigarettes all at onceC4\_2. Gradually cut back on cigarettesC4\_3. Switch completely to vaping (using e-cigarettes, vape pens, JUULs, mods, or other personal vaporizers)C4\_4. Substitute some of your regular cigarettes with vaping (using e-cigarettes, vape pens, JUULs, mods, or other personal vaporizers)C4\_5. Switch to mild or some other brand of cigarettesC4\_6. Use nicotine replacements like the nicotine patch, nicotine gum, nicotine lozenges, nicotine nasal spray, or nicotine inhalerC4\_7. Use medications like Wellbutrin, Zyban, buproprion, Chantix, or vareniclineC4\_8. Get help from a telephone quit lineC4\_9. Get help from a website such as Smokefree.gov or CDC.gov/TipsC4\_10. Get help from a doctor or other health professionalC4\_11. Get help from a pharmacistC4\_12. Use a mobile App to help you quit smokingC4\_13. Use a texting program to help you quit smoking | 1. Yes2. No | Revision to update response options for clarity and to match them to current terminology (e.g., NJOY, Blu, Logic, Vuse, Puff Bar) | C4\_1. Give up cigarettes all at onceC4\_2. Gradually cut back on cigarettesC4\_3. Switch **completely** to e-cigarettes, vapes, or mods (popular brands include NJOY, Blu, Logic, Vuse, Puff Bar, and JUUL) C4\_4. Substitute some of your regular cigarettes with e-cigarettes, vapes, or mods (popular brands include NJOY, Blu, Logic, Vuse, and JUUL) C4\_4a. Switch **completely** to heated tobacco products (using “heat not burn” tobacco products, iQOS [eye-kos], Glo, or Eclipse). C4\_4b. Substitute some of your regular cigarettes with heated tobacco products (using “heat not burn” tobacco products, iQOS [eye-kos], Glo, or Eclipse). C4\_5. Switch to a different brand of cigarettes C4\_5a. Switch to smokeless tobacco (such as snuff, chew or snus) or dissolvable tobacco.C4\_6. Use nicotine replacement medications like the nicotine patch, nicotine gum, nicotine lozenges, nicotine nasal spray, or nicotine inhalerC4\_7. Use medications like Wellbutrin, Zyban, buproprion, Chantix, or vareniclineC4\_8. Get help from a telephone quit lineC4\_9. Get help from a website such as Smokefree.gov or CDC.gov/TipsC4\_10. Get help from a doctor or other health professionalC4\_11. Get help from a pharmacistC4\_12. Use a mobile App to help you quit smokingC4\_13. Use a texting program to help you quit smoking  | 1.Yes2. No |
| **C23 [S]** |  |  | Addition to capture use of CDC texting program | SmokefreeTXT is a free text-based service that connects people who smoke cigarettes with mobile text message-based support to help them quit smoking. Have you heard of SmokefreeTXT? | 1. Yes2. No |
| **C23a [S]** |  |  | Addition to capture use of texting programs | Have you heard of any other text messaging services to help you quit smoking? | 1. Yes2. No |
| **C23b [S]** |  |  | Addition to capture use of CDC texting program | Have you used SmokefreeTXT or any other text-based quitting smoking program in the **past 3 months** since [DOV\_DATE2]? | 1. Yes2. No |
| **B8** | 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.[SHOW IMAGE “UPDATED E-CIG PRODUCT IMAGE.PNG” centered on screen]Have you ever vaped, even one time? | 1.Yes2. No | Revision: Update instructions to improve ability to capture vaping (based on RTI research). 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.**[SHOW IMAGE “UPDATED E-CIG PRODUCT IMAGE.PNG” centered on screen]Have you ever vaped, even one time? | 1.Yes2. No |
| **B9a** | On the days that you vape, how often do you vape?  | 1. Rarely2. Sometimes3. Often4. Very often | Deletion because current vaping and days vaped are more useful than this item. |  |  |
| **B13** | In your opinion, regularly vaping and smoking cigarettes is…. | 1. Much less harmful to one’s health than only smoking cigarettes2. Slightly less harmful to one’s health than only smoking cigarettes3. Equally harmful to one’s health as only smoking cigarettes4. Slightly more harmful to one’s health than only smoking cigarettes5. Much more harmful to one’s health than only smoking cigarettes | Revision to simplify question and make it 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 |
| **D18\_19 [Grid, S across]** | The next few questions will ask about your opinions related to smoking, tobacco use, and cessation. *(Randomize and record response order)* Statements in row (randomize list):D10. I get upset when I think about my smoking.D11. I am disappointed in myself because I smoke.D12. I get upset when I hear or read about illnesses caused by smoking.D13. Warnings about the health risks of smoking upset me.D15. Using e-cigarettes and vape products can result in serious lung injury or death.D18. Smoking can cause immediate damage to your body.D19. Smoking can cause medical complications and diseases that require surgeries and medical procedures to treat. | Please tell us if you strongly disagree, disagree, agree, or strongly agree with the following statements. | 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. | D18\_19 [Grid, S across]The next few questions will ask about your opinions related to smoking, tobacco use, and cessation. (R*andomize and record response order)*Statements in row (randomize list):D10. I get upset when I think about my smoking.D11. I am disappointed in myself because I smoke.D12. I get upset when I hear or read about illnesses caused by smoking.D13. Warnings about the health risks of smoking upset me.D15. Using e-cigarettes and vape products can result in serious lung injury or death.D18. Smoking can cause immediate damage to your body.D19. Smoking can cause medical complications and diseases that require surgeries and medical procedures to treat.**D19a. Menthol cigarettes are just as damaging as other cigarettes.****D19b. Tobacco companies aggressively target communities with menthol cigarette advertising**. | Please tell us if you strongly disagree, disagree, agree, or strongly agree with the following statements |
| **D21** | Do you believe cigarette smoking is related to:D21\_1. Lung CancerD21\_2. Cancer of the mouth or throatD21\_3. Heart DiseaseD21\_4. DiabetesD21\_5. EmphysemaD21\_6. StrokeD21\_7. Hole in throat (stoma or tracheotomy)D21\_8. Buerger’s DiseaseD21\_9. Amputations (removal of limbs) D21\_10. AsthmaD21\_11. GallstonesD21\_12. COPD or Chronic bronchitisD21\_13. Periodontal or Gum DiseaseD21\_14. Premature birthD21\_15. Colorectal CancerD21\_16. Macular degeneration or blindness D21\_17. DepressionD21\_18. Anxiety DisorderD21\_19. Colon CancerD21\_20. COVID-19 | 1.Yes2. No | 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:D21\_1. Lung CancerD21\_2. Cancer of the mouth or throatD21\_3. Heart DiseaseD21\_4. DiabetesD21\_5. EmphysemaD21\_6. StrokeD21\_7. Hole in throat (stoma or tracheotomy)D21\_8. Buerger’s DiseaseD21\_9. Amputations (removal of limbs) D21\_10. AsthmaD21\_11. GallstonesD21\_12. COPD or Chronic bronchitisD21\_13. Periodontal or Gum DiseaseD21\_14. Premature birthD21\_15. Colorectal CancerD21\_16. Macular degeneration or blindness D21\_17. DepressionD21\_18. Anxiety DisorderD21\_19. Colon CancerD21\_20. COVID-19D21\_21. Kidney DiseaseD21\_22. Walking difficulties due to artery blockageD21\_23. Premature death | 1.Yes2. No |
| **E2** |  |  | Addition to make consistent with non-smoker survey | Not counting decks, porches, or garages inside your home, is smoking…. | 1. Always allowed2. Allowed only at some times or in some places3. Never allowed |
| **E2a** |  |  | Addition to make consistent with non-smoker survey | Are you seriously considering increasing restrictions on smoking in your household? | 1. Definitely yes2. Probably yes3. Probably not4. Definitely not |
| **F1a** |  |  | Addition to capture media use for program planning | How do you usually watchtelevision these days?  | A digital antennaA cable or satellite subscriptionA streaming service on the InternetSome other wayDon’t watch television |
| **F1b** |  |  | Addition to capture 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 dayAt least once a weekAt least once a monthLess oftenNever do this |
| **F3** | On an average day, how many hours do you use the Internet for personal reasons? | 1. None2. Less than one hour3. About 1 hour4. About 2 hours5. About 3 hours6. About 4 hours7. 5 hours or more | Revision to capture media use | On an average day, how many hours do you use the following social media platforms:F3\_1. FacebookF3\_2. InstagramF3\_3. TwitterF3\_4. SnapchatF3\_5. TikTokF3\_6. Reddit | 1. None2. Less than one hour3. About 1 hour4. About 2 hours5. About 3 hours6. About 4 hours7. 5 hours or more |
| **F14** | In the past 3 months, that is since [DOV\_DATE2], have you seen or heard advertisements for medications or products to help people quit smoking such as Chantix, Wellbutrin, Zyban, varenicline, bupropion, nicotine patches, or nicotine gums? | 1. Never2. Rarely3. Sometimes4. Often5. Always | Deletion based on content of current CDC ads |  |  |
| **F38** | 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 station2. Never3. Rarely4. Sometimes5. Most of the time6. Always | Deletion because no longer a priority item  |  |  |
| **F39** |  |  | Returning to survey to measure outcome activity | Did you talk to anyone about any of these ads? | 1. Yes
2. No
 |
| **F40** |  |  | Returning to survey to measure outcome activity | 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. Yes2. No |
| **QEDUC\_HSGED** |  |  | Addition to capture number of participants with GEDs | Do you have a high school diploma or a GED?  | 1. High school diploma2. GED3. Don’t Know |
| **G15** | Have you been diagnosed by a physician or other qualified medical professional with any of the following medical conditions? | G15\_1. Acid reflux diseaseG15\_2. ADHD or ADDG15\_3. Anxiety disorderG15\_4. Asthma, chronic bronchitis, or COPDG15\_5. Cancer (any type except skin cancer)G15\_6. Chronic pain (such as low back pain, neck pain, or Fibromyalgia)G15\_7. DepressionG15\_8. DiabetesG15\_9. Heart attackG15\_10. Heart diseaseG15\_11. High blood pressureG15\_12. High cholesterolG15\_13. HIV/AIDSG15\_14. Kidney diseaseG15\_15. Mental health conditionG15\_16. Multiple sclerosisG15\_17. Osteoarthritis, joint pain or inflammationG15\_18. Osteoporosis or osteopeniaG15\_19. Rheumatoid arthritisG15\_20. Seasonal allergiesG15\_21. Skin cancerG15\_22. Sleep disorders such as sleep apnea or insomnia G15\_23. StrokeG15\_23a. COVID-19G15\_24. Something else [anchor] | Addition to capture 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 diseaseG15\_2. ADHD or ADDG15\_3. Anxiety disorderG15\_4. Asthma, chronic bronchitis, or COPDG15\_5. Cancer (any type except skin cancer)G15\_6. Chronic pain (such as low back pain, neck pain, or Fibromyalgia)G15\_7. DepressionG15\_8. DiabetesG15\_9. Heart attackG15\_10. Heart diseaseG15\_11. High blood pressureG15\_12. High cholesterolG15\_13. HIV/AIDSG15\_14. Kidney diseaseG15\_15. Mental health conditionG15\_16. Multiple sclerosisG15\_17. Osteoarthritis, joint pain or inflammationG15\_18. Osteoporosis or osteopeniaG15\_19. Rheumatoid arthritisG15\_20. Seasonal allergiesG15\_21. Skin cancerG15\_22. Sleep disorders such as sleep apnea or insomnia G15\_23. StrokeG15\_23a. COVID-19G15\_23b. Peripheral artery diseaseG15\_24. Something else [anchor] |
| **G16** |  |  | Added to assess non-diagnosed experience of anxiety and depression (potential cause 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 thingsG16\_2. Feeling down, depressed or hopelessG16\_3. Feeling nervous, anxious or on edge G16\_4. Not being able to stop or control worrying | 1. Not at all2. Several days3. More than half the days4. 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 day2. At least once a week3. A few times a month4. A few times a year5. Less than once a year6. 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 religion6. Your height 7. Your weight 8. Some other aspect of your physical appearance 9. Your sexual orientation 10. Your education or income level11. A physical disability 12. Other [specify]: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| G23 | Do you consider yourself to be… | 1. Heterosexual or straight2. Gay3. Lesbian4. Bisexual5. 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. Bisexual4. Something else5. 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 agree2. Somewhat agree3. Neither agree nor disagree4. Somewhat disagree5. Strongly disagree |