

## Protocol Appendix F - NFR Enrollment Questionnaire

*\* Information collected through the user profile questionnaire will be automatically uploaded to this questionnaire to reduce the burden on the firefighter.*

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CDC estimates the average reporting burden for this collection of information as 30 minutes per response, including the time for reviewing instructions, searching existing data/information sources, gathering and maintaining the data/information needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a currently valid OMB control number. Send comments regarding this burden estimate or any other aspect of this collection of information including suggestion for reducing the burden to CDC/ATSDR Information Collection Review Office, 1500 Clifton Road NE, MS D-74, Atlanta, Georgia 30333; ATTN: PRA (0920-1348).

### National Firefighter Registry for Cancer (NFR) Enrollment Questionnaire

#### Demographics

1. First Name \_\_\_\_\_ *(auto-populates from user profile)*
2. Middle Name \_\_\_\_\_ *(auto-populates from user profile)*
3. Last Name \_\_\_\_\_ *(auto-populates from user profile)*
4. Employee ID number (e.g., badge number) for current or most recent position \_\_\_\_\_
5. What is your race and/or ethnicity? Select all that apply.
  - ☐ American Indian or Alaska Native (for example, Navajo Nation, Blackfeet Tribe of the Blackfeet Indian Reservation of Montana, Native Village of Barrow Inupiat Traditional Government, Nome Eskimo Community, Aztec, Maya, etc.)
  - ☐ Asian (for example, Chinese, Asian Indian, Filipino, Vietnamese, Korean, Japanese, etc.)
  - ☐ Black or African American (for example, African American, Jamaican, Haitian, Nigerian, Ethiopian, Somali, etc.)
  - ☐ Hispanic or Latino (for example, Mexican, Puerto Rican, Salvadoran, Cuban, Dominican, Guatemalan, etc.)
  - ☐ Middle Eastern or North African (for example, Lebanese, Iranian, Egyptian, Syrian, Iraqi, Israeli, etc.)
  - ☐ Native Hawaiian or Pacific Islander (for example, Native Hawaiian, Samoan, Chamorro, Tongan, Fijian, Marshallese, etc.)
  - ☐ White (for example, English, German, Irish, Italian, Polish, Scottish, etc.)
6. What is the highest grade or year of school you completed?
  - ☐ Never attended school or only attended kindergarten
  - ☐ Grades 1 through 8 (Elementary)
  - ☐ Grades 9 through 11 (Some high school)
  - ☐ Grade 12 or GED (High school graduate)
  - ☐ College for 1 year to 3 years (Some college or technical school)
  - ☐ College for 4 years or more (College graduate or advanced graduate education)
  - ☐ Prefer not to answer
7. What is your marital status? (Dropdown)
  - ☐ Married

- Living with a partner as an unmarried couple
  - Never married
  - Divorced
  - Separated
  - Widowed
  - Prefer not to answer
8. What is your height? (Dropdown) \_\_\_\_\_ feet \_\_\_\_\_ inches
9. What is your current weight? (Numerical Fill-in) \_\_\_\_\_ pounds (if pregnant, please report pre-pregnancy weight)

## Work and Exposure

**Please answer the following questions on your work history. Please include both volunteer and paid work when answering these questions.**

10. What is the total amount of time you have worked in the fire service?
- \_\_\_\_\_ years *OR* \_\_\_\_\_ months
11. In what year did you first work as a firefighter? \_ \_ \_ \_
12. How many fire departments or agencies have you worked at? [numerical fill-in] \_\_\_\_\_
- You have worked for X departments starting in the year XXXX. Please provide more details about your time in these departments by filling out the records below. Start with your most recent department and end with the first department you worked for. [X auto-populated with response from question 16]
13. What is the name of **your current or most recent** department, agency, or organization?
- Department's state [Auto-populated from the User Profile but can be edited here as a new record; Dropdown of states/territories]
  - Search: Department, Agency, Organization [Auto-populated from the User Profile but can be edited here as a new record; Dropdown and/or free text that autopopulates from database of departments based on the state that was selected]
  - If you do not see your department listed please fill it in below
    - Other \_\_\_\_\_ [Auto-populated from the User Profile but can be edited here as a new record; Free text]
      - [If manually entered as Other] What jurisdiction do/did you serve at this department, agency, or organization? [Auto-populated from the User Profile but can be edited here as a new record; Dropdown menu, select all that apply]
        - Federal
        - Military
        - State
        - City
        - County
        - District
        - Private
        - Tribal
        - Other
      - [if other, please describe] \_\_\_\_\_
  - At X department/agency/organization (auto-populated)?
    - Approximate year started working [Fill-in 4 digit year] \_ \_ \_ \_
    - Approximate year stopped working [Fill-in 4 digit year or select currently working at this department/agency] \_ \_ \_ \_

- Tell us about the job titles you've held at X department/agency/organization (select all that apply).
  - Structural or Industrial Firefighter (select type)
    - Firefighter
    - Firefighter/Medical (e.g., EMT, Paramedic)
    - Driver/Engineer/Operator
  - Company Officer (Lt, Cpt, Sgt)
  - Chief (select type)
    - Fire Chief/Commissioner
    - Battalion/District Chief
    - Assistant Chief
    - Deputy Chief
    - Division Chief
  - Wildland Firefighter (select type)
    - Engine crew
    - Hand crew
    - Line medic
    - Base camp support staff
    - Smoke jumper
    - Aviation Crew
  - Wildland Supervisor or Overhead
  - Superintendent/Crew Boss
  - Fire Marshal
  - Fire Investigator, where this is your primary job assignment
  - Instructor, where this is your primary job assignment
  - EMT/Paramedic, where this is your primary job assignment
  - Other
    - Please specify
- Of the job titles you selected, please tell us more about them:
  - **Job title X** [Auto-populated from question above]
    - Approximate year started working: [Fill-in 4- digit year] \_\_\_\_ \_
    - Approximate year stopped working: [Fill-in 4-digit year or select currently working in this position] \_\_\_\_ \_
    - What best describes this position?
      - Full time
      - Part time
      - Volunteer
      - Seasonal
      - Paid on call or paid per call
      - Other
        - [if other, please specify] \_\_\_\_\_

*[\*This question would repeat for each job title selected]*

- Did you respond to fires or hazmat incidents during your time as X (job title auto-populated with information above)? (Yes/No) (dropdown menu)
  - No
  - Yes
- (If yes) What types of fire or hazmat incidents did you respond to during your time as X at XX? (auto-populates with job title and department name) (select all that apply)
  - Structural Fires
  - Vehicle Fires
  - Outside Rubbish Fires or Dumpster Fires
  - Live-Fire Training/Instruction
  - Fire Investigation (post-extinguishment)
  - Vegetation/Brush Fires (not including wildland fires)
  - Wildland Fires or Wildland Prescribed Burns
  - Wildland Urban Interface Fires
  - Industrial Fires
  - Aircraft Crash Rescue
  - Marine Vessel Fires
  - Informal Settlement Fires (e.g., communities of people experiencing homelessness)
  - HAZMAT Response/Spill
- Of the incidents you selected, please estimate the average number of responses to each type in a typical year during your time in this position (incident types auto-populated from previous question).
  - Structural Fires
    - [fill in with numerical values only] \_\_\_\_\_ Average number per year
    - I've responded to this, but less than once per year
  - Vehicle Fires
    - [fill in with numerical values only] \_\_\_\_\_ Average number per year
    - I've responded to this, but less than once per year
  - Outside Rubbish Fires or Dumpster Fires
    - [fill in with numerical values only] \_\_\_\_\_ Average number per year
    - I've responded to this, but less than once per year
  - Live-Fire Training/Instruction
    - [fill in with numerical values only] \_\_\_\_\_ Average number per year
    - I've responded to this, but less than once per year
  - Fire Investigation (post-extinguishment)
    - [fill in with numerical values only] \_\_\_\_\_ Average number per year
    - I've responded to this, but less than once per year
  - Vegetation/Brush Fires (not including wildland fires)
    - [fill in with numerical values only] \_\_\_\_\_ Average number per year
    - I've responded to this, but less than once per year
  - Wildland Fires or Wildland Prescribed Burns
    - [fill in with numerical values only] \_\_\_\_\_ Average number per year
    - I've responded to this, but less than once per year
      - (Always display, no conditions) On average, approximately how many days do you/did you spend actively responding to wildland fires in a year? \_\_\_\_\_
  - Wildland Urban Interface Fires
    - [fill in with numerical values only] \_\_\_\_\_ Average number per year

- I've responded to this, but less than once per year
- Industrial Fires
  - [fill in with numerical values only] \_\_\_\_\_ Average number per year
  - I've responded to this, but less than once per year
- Aircraft Crash Rescue [dropdown menu]
  - [fill in with numerical values only] \_\_\_\_\_ Average number per year
  - I've responded to this, but less than once per year
- Marine Vessel Fires
  - [fill in with numerical values only] \_\_\_\_\_ Average number per year
  - I've responded to this, but less than once per year
- Informal Settlement Fires (e.g., communities of people experiencing homelessness)
  - [fill in with numerical values only] \_\_\_\_\_ Average number per year
  - I've responded to this, but less than once per year
- HAZMAT Response/Spill
  - [fill in with numerical values only] \_\_\_\_\_ Average number per year
  - I've responded to this, but less than once per year

*[\*The three questions above would repeat for each job title selected]*

*[\*If more than one department was noted in Question 17, the questionnaire would return to Question 18, but with slightly different wording (below)]*

What is the name of your **2<sup>nd</sup> most recent** department, agency, or organization?

*[\*This would repeat "3<sup>rd</sup> most recent, etc." for the total number of departments listed in Question 17]*

**14.** Throughout your entire career, have you ever used Aqueous Film-Forming Foam (AFFF)?

- No
- Yes
  - Approximately how many times have you used AFFF (please include all uses such as training, fire suppression, maintenance, etc.)? (numerical fill in) \_\_\_\_\_

**15.** Throughout your career, have you responded to any major events that you would consider unusual in duration or intensity? These events could include: natural disasters, acts of terrorism, industrial events, extreme wildland disasters, etc.

- No
- Yes
- Unsure
  - [If yes] Please tell us more about this/these major event(s):
    - **Event 1:** How would you classify the first event? [repeats for each event]
      - Natural disaster
      - Chemical
      - Industrial/Factory
      - Wildland
      - Vegetation
      - Structural
      - Terrorist Event
      - Other

- [If other] Please specify \_\_\_\_\_
  - How long was your personal response to this event? [repeats for each event]  
\_\_\_\_\_ days OR [dropdown menu for days] \_\_\_\_\_ hours [dropdown menu for hours]
  - Was this a named event? (example, 9/11, Hurricane Katrina) [repeat for each event]
    - No
    - Yes
      - [If yes] What was this event commonly known as? \_\_\_\_\_
  - **Event 2:** How would you classify the second event? [repeats for each event]
    - Natural disaster
    - Chemical
    - Industrial/Factory
    - Wildland
    - Vegetation
    - Structural
    - Terrorist event
    - Other
      - [If other] Please specify \_\_\_\_\_
  - How long was your personal response to this event? [repeat for each event]
  - Was this a named event? (example, 9/11, Hurricane Katrina) [repeat for each event]
    - No
    - Yes
      - [If yes] What was this event commonly known as? \_\_\_\_\_
- 16. Have you ever served in the U.S. Armed Forces or other uniformed services?
  - Yes
    - Are you currently serving?
      - Yes
      - No
    - Did you ever serve in a combat or war zone?
      - Yes
      - No
  - No, never served in the U.S. Armed Forces or other uniformed services
- 17. Have you ever held another job for 6 months or more while also working in the fire service?
  - No
  - Unsure
  - Yes
    - For your job that overlapped with your fire service career the longest...
      - What kind of work do/did you do? (for example, registered nurse, janitor, cashier, auto mechanic) \_\_\_\_\_ (fill-in, open text)
      - What kind of business or industry do/did you work in? (for example, hospital, elementary school, clothing manufacturing, restaurant) \_\_\_\_\_ (fill-in, open text)
      - What year did you begin that job? [year – numerical fill-in]
      - Are you currently employed in that job?
        - No
          - What year did you end that job? [year – numerical fill-in]
        - Yes

**18.** Over your lifetime, have you ever held a non-firefighting job (or jobs) for at least 100 days or more where you were routinely exposed to smoke, exhaust, or chemicals?

- ☐ No
- ☐ Unsure
- ☐ Yes

**19.** Have you implemented the following practices on a regular basis (most of the time) at any point in your career?

- ☐ Wear SCBA during interior fire attack of a structural/industrial fire
  - ☐ Yes
    - ☐ What year did you start doing this regularly? [year – numerical fill-in]  
Include checkbox “I’ve always done this”
  - ☐ No
  - ☐ N/A
- ☐ Wear SCBA during external fire attack of a structural/industrial fire
  - ☐ Yes
    - ☐ What year did you start doing this regularly? [year – numerical fill-in]  
Include checkbox “I’ve always done this”
  - ☐ No
  - ☐ N/A
- ☐ Wear SCBA or an air purifying respirator with multi-chemical canister/cartridge during overhaul of a structural/industrial fire
  - ☐ Yes
    - ☐ What year did you start doing this regularly? [year – numerical fill-in]  
Include checkbox “I’ve always done this”
  - ☐ No
  - ☐ N/A
- ☐ Wear SCBA or an air purifying respirator with multi-chemical canister/cartridge during vehicle fires
  - ☐ Yes
    - ☐ What year did you start doing this regularly? [year – numerical fill-in]  
Include checkbox “I’ve always done this”
  - ☐ No
  - ☐ N/A
- ☐ Wear SCBA, an air purifying respirator with multi-chemical canister/cartridge, or filtering facepiece respirator (example, N95 mask) during brush or vegetation fires
  - ☐ Yes
    - ☐ What year did you start doing this regularly? [year – numerical fill-in]  
Include checkbox “I’ve always done this”
  - ☐ No
  - ☐ N/A
- ☐ Wear air purifying respirator with multi-chemical canister/cartridge or filtering facepiece respirator during wildland fire suppression
  - ☐ Yes
    - ☐ What year did you start doing this regularly? [year – numerical fill-in]  
Include checkbox “I’ve always done this”
  - ☐ No
  - ☐ N/A
- ☐ Wear SCBA, air purifying respirator with multi-chemical canister/cartridge, or filtering facepiece respirator (example, N95 mask) while performing or attending fire investigations
  - ☐ Yes
    - ☐ What year did you start doing this regularly? [fill in year] Include checkbox “I’ve always done this”
  - ☐ No

- N/A
- Wear SCBA or air purifying respirator with multi-chemical canister or cartridge when responding to wildland-urban interface fires
  - Yes
    - What year did you start doing this regularly? [year – numerical fill-in]  
Include checkbox “I’ve always done this”
  - No
  - N/A
- Wear a protective hood during interior fire response
  - Yes
    - What year did you start doing this regularly? [year – numerical fill-in]  
Include checkbox “I’ve always done this”
  - No
  - N/A
- Conduct preliminary exposure reduction of my PPE (on-scene gross decon of turnout gear)
  - Yes
    - What year did you start doing this regularly? [year – numerical fill-in]  
Include checkbox “I’ve always done this”
  - No
  - N/A
- Keep used PPE out of passenger compartment of vehicle
  - Yes
    - What year did you start doing this regularly? [year – numerical fill-in]  
Include checkbox “I’ve always done this”
  - No
  - N/A
- Wash/wipe down equipment (radio, SCBA, tools, etc)
  - Yes
    - What year did you start doing this regularly? [year – numerical fill-in]  
Include checkbox “I’ve always done this”
  - No
  - N/A
- Wash or clean my hands on-scene before taking in food or drink
  - Yes
    - What year did you start doing this regularly? [year – numerical fill-in]  
Include checkbox “I’ve always done this”
  - No
  - N/A
- Clean your exposed skin on-scene after a fire response (use skin wipes or other cleansing method)
  - Yes
    - What year did you start doing this regularly? [year – numerical fill-in]  
Include checkbox “I’ve always done this”
  - No
  - N/A
- Prioritize showering as quickly as possible following fire response (for example, “shower within the hour”)
  - Yes
    - What year did you start doing this regularly? [year – numerical fill-in]  
Include checkbox “I’ve always done this”
  - No
  - N/A
- Have hood laundered after every or almost every fire response?
  - Yes

- [If selected] What year did you start doing this regularly? (year – numerical fill-in) Include checkbox “I’ve always done this”
- No
  - [if “no” selected] Approximately how frequently do you/did you launder your hood?
    - Every 1-2 weeks
    - Every 1-2 months
    - Quarterly (4 times a year)
    - Twice a year
    - Annually
    - Less than once a year
    - Never
      - [If selected any option other than never] What year did you start doing this regularly? (year – numerical fill-in) Include checkbox “I’ve always done this”
  - N/A- I do not wear a hood
- Have turnout gear or other fire-response clothing laundered after every or almost every fire response?
  - Yes
    - [If selected] What year did you start doing this regularly? (year – numerical fill-in) Include checkbox “I’ve always done this”
    - How do you/did you launder your PPE?
      - Take it home
      - Send out via contracted service
      - Wash it at the station
      - Take to a laundromat
      - Department central location (example, Headquarters, Shop, Quartermaster, etc.)
      - Other
      - [If other] Please explain \_\_\_\_\_
  - No
    - [if “no” selected] Approximately how frequently do you/did you launder your turnout gear or other fire-response clothing?
      - Every 1-2 weeks
      - Every 1-2 months
      - Quarterly
      - Twice a year
      - Annually
      - Less than once a year
      - Never
        - **[If selected any option other than never]** What year did you start doing this regularly? (year – numerical fill-in) Include checkbox “I’ve always done this”
        - **[If selected any option other than never]** How do you/did you launder your PPE?
          - Take it home

- Send out via contracted service
- Wash it at the station
- Take to a laundromat
- Department central location (example, Headquarters, Shop, Quartermaster, etc.)
- Other
- [If other] Please explain \_\_\_\_\_

○ N/A

***Please answer the next group of questions based on your current (for current firefighters) or most recent assignment (for former/retired firefighters).***

**20.** What is/was your typical shift configuration?

- 24 hours on/24 hours off
- 24 hours on/48 hours off
- 24 hours on/72 hours off
- 48 hours on/96 hours off
- 24 hours on/24 hours off/24 hours on/24 hours off/24 hours on/4 days off (Kelly shift)
- 72 hours on/96 hours off
- 9 hours on/15 hours off
- 10 hours on/14 hours off
- 10 hours, 4 days per week
- 12 hours on/12 hours off
- 8 hours on, 5 days per week, unless deployed
- 5-6 (5-24 hour shifts, 6 days off)
- On-call
- Volunteer, on-call continuously
- Seasonally deployed
- Other
- [If other] Please specify \_\_\_\_\_

**21.** On average, how many calls do you/did you run in a shift?

- [dropdown with numerical options starting with 0-20] \_\_\_\_\_
- I don't operate on shift

**22.** On average, how many hours of uninterrupted sleep do you/did you get in a 24-hour period when on duty or on call?

- [dropdown with numerical options ranging from 0-24] \_\_\_\_\_

**23.** On average, how many hours of uninterrupted sleep do you/did you get in a 24-hour period when you are not/were not on duty or on call?

- [dropdown with numerical options ranging from 0-24] \_\_\_\_\_

## **Health History**

**24.** How often do you get an NFPA 1582 compliant or other comprehensive occupational physical exam?

- Annually
- Once every 2-3 years

- I do not routinely have an occupational physical exam
  - Prefer not to answer
- 25.** How often do you see a health care provider for a routine check-up?
- Annually
  - Once every 2-3 years
  - I do not see a health care provider routinely
  - Prefer not to answer
- 26.** [ask to participants age 40+] There are different kinds of tests to check for colon or rectal cancer, including colonoscopy, sigmoidoscopy, and stool-based tests. Have you ever had a test to check for colon or rectal cancer?
- Yes
    - [If yes] Approximately how old were you when you had your first test to check for colon or rectal cancer? (numerical fill-in)
    - [If yes] About how long has it been since your most recent test to check for colon or rectal cancer?
      - Within the past year (anytime less than 12 months ago)
      - Within the past 2 years (1 year but less than 2 years ago)
      - Within the past 3 years (2 years but less than 3 years ago)
      - Within the past 5 years (3 years but less than 5 years ago)
      - Within the past 10 years (5 years but less than 10 year ago)
      - 10 years ago or more
      - Unsure
      - Prefer not to answer
  - No
  - Unsure
  - Prefer not to answer
- 27.** [ask to males age 40+] A PSA is a blood test to detect prostate cancer. It is also called a prostate-specific antigen test. Have you ever had a PSA test?
- Yes
    - [If yes] Approximately how old were you when you had your first PSA test? (numerical fill-in)
    - [If yes] How long has it been since your most recent PSA test?
      - Within the past year (anytime less than 12 months ago)
      - Within the past 2 years (1 year but less than 2 years ago)
      - Within the past 3 years (2 years but less than 3 years ago)
      - Within the past 5 years (3 years but less than 5 years ago)
      - Within the past 10 years (5 years but less than 10 year ago)
      - 10 years ago or more
      - Unsure
      - Prefer not to answer
  - No
  - Unsure
  - Prefer not to answer
- 28.** [ask to females age 25+] There are two different kinds of tests to check for cervical cancer. One is a Pap smear or Pap test and the other is the HPV or Human Papillomavirus test. Have you ever had a test to check for cervical cancer?
- Yes

- [If yes] Approximately how old were you when you had your first test to check for cervical cancer? (numerical fill-in)
  - [If yes] When did you have your most recent test to check for cervical cancer?
    - Within the past year (anytime less than 12 months ago)
    - Within the past 2 years (1 year but less than 2 years ago)
    - Within the past 3 years (2 years but less than 3 years ago)
    - Within the past 5 years (3 years but less than 5 years ago)
    - Within the past 10 years (5 years but less than 10 year ago)
    - 10 years ago or more
    - Unsure
    - Prefer not to answer
  - No
  - Unsure
  - Prefer not to answer
- 29.** [ask to females age 30+] A mammogram is an x-ray taken only of the breast by a machine that presses against the breast. Have you ever had a mammogram?
- Yes
    - [If yes] Approximately how old were you when you had your first mammogram? (numerical fill-in)
    - [If yes] How long has it been since your most recent mammogram?
      - Within the past year (anytime less than 12 months ago)
      - Within the past 2 years (1 year but less than 2 years ago)
      - Within the past 3 years (2 years but less than 3 years ago)
      - Within the past 5 years (3 years but less than 5 years ago)
      - Within the past 10 years (5 years but less than 10 year ago)
      - 10 years ago or more
      - Unsure
      - Prefer not to answer
  - No
  - Unsure
  - Prefer not to answer
- 30.** Have you ever been diagnosed with cancer?
- No
  - Unsure if I have ever been diagnosed with cancer
  - Yes
    - [If yes] What type(s) of cancer were you diagnosed with? Please select where the cancer(s) started (primary site):
      - Bladder
        - [if selected] What was your age when first diagnosed? \_\_ (fill-in)
        - In what state were you living when first diagnosed? (dropdown menu of US states, Washington D.C., territories, and other- please specify)
      - Brain or Central Nervous System
        - [if selected] What was your age when first diagnosed? \_\_ (fill-in)
        - In what state were you living when first diagnosed? (dropdown menu of US states, Washington D.C., territories, and other- please specify)
      - Breast
        - [if selected] What was your age when first diagnosed? \_\_ (fill-in)

- In what state were you living when first diagnosed? (dropdown menu of US states, Washington D.C., territories, and other- please specify)
- Cervix
  - [if selected] What was your age when first diagnosed? \_\_ (fill-in)
  - In what state were you living when first diagnosed? (dropdown menu of US states, Washington D.C., territories, and other- please specify)
- Colon or Rectum
  - [if selected] What was your age when first diagnosed? \_\_ (fill-in)
  - In what state were you living when first diagnosed? (dropdown menu of US states, Washington D.C., territories, and other- please specify)
- Esophagus
  - [if selected] What was your age when first diagnosed? \_\_ (fill-in)
  - In what state were you living when first diagnosed? (dropdown menu of US states, Washington D.C., territories, and other- please specify)
- Hodgkin's Lymphoma
  - [if selected] What was your age when first diagnosed? \_\_ (fill-in)
  - In what state were you living when first diagnosed? (dropdown menu of US states, Washington D.C., territories, and other- please specify)
- Kidney
  - [if selected] What was your age when first diagnosed? \_\_ (fill-in)
  - In what state were you living when first diagnosed? (dropdown menu of US states, Washington D.C., territories, and other- please specify)
- Larynx (e.g., voice box, vocal cords)
  - [if selected] What was your age when first diagnosed? \_\_ (fill-in)
  - In what state were you living when first diagnosed? (dropdown menu of US states, Washington D.C., territories, and other- please specify)
- Leukemia
  - [if selected] What type of leukemia were you diagnosed with (Select all that apply)?
    - Acute myeloid (or myelogenous) leukemia (AML)
      - [if selected] What was your age when first diagnosed? \_\_ (fill-in)
      - In what state were you living when first diagnosed? (dropdown menu of US states, Washington D.C., territories, and other- please specify)
    - Chronic myeloid (or myelogenous) leukemia (CML)
      - [if selected] What was your age when first diagnosed? \_\_ (fill-in)
      - In what state were you living when first diagnosed? (dropdown menu of US states, Washington D.C., territories, and other- please specify)
    - Acute lymphocytic (or lymphoblastic) leukemia (ALL)
      - [if selected] What was your age when first diagnosed? \_\_ (fill-in)

- In what state were you living when first diagnosed?  
(dropdown menu of US states, Washington D.C., territories,  
and other- please specify)
  - Chronic lymphocytic leukemia (CLL)
    - [if selected] What was your age when first  
diagnosed? \_\_ (fill-in)
    - In what state were you living when first diagnosed?  
(dropdown menu of US states, Washington D.C.,  
territories, and other- please specify)
  - Other or Unsure
    - [if selected] What was your age when first diagnosed? \_\_  
(fill-in)
    - In what state were you living when first diagnosed?  
(dropdown menu of US states, Washington D.C., territories,  
and other- please specify)
- Liver
  - [if selected] What was your age when first diagnosed? \_\_ (fill-in)
  - In what state were you living when first diagnosed? (dropdown menu of US  
states, Washington D.C., territories, and other- please specify)
- Lung
  - [if selected] What was your age when first diagnosed? \_\_ (fill-in)
  - In what state were you living when first diagnosed? (dropdown menu of US  
states, Washington D.C., territories, and other- please specify)
- Mesothelioma
  - [if selected] What was your age when first diagnosed? \_\_ (fill-in)
  - In what state were you living when first diagnosed? (dropdown menu of US  
states, Washington D.C., territories, and other- please specify)
- Multiple Myeloma
  - [if selected] What was your age when first diagnosed? \_\_ (fill-in)
  - In what state were you living when first diagnosed? (dropdown menu of US  
states, Washington D.C., territories, and other- please specify)
- Non-Hodgkin's Lymphoma
  - [if selected] What was your age when first diagnosed? \_\_ (fill-in)
  - In what state were you living when first diagnosed? (dropdown menu of US  
states, Washington D.C., territories, and other- please specify)
- Oral Cavity or Pharynx (e.g., lip, tongue, palate, tonsil, other parts of the mouth)
  - [if selected] What was your age when first diagnosed? \_\_ (fill-in)
  - In what state were you living when first diagnosed? (dropdown menu of US  
states, Washington D.C., territories, and other- please specify)
- Ovary
  - [if selected] What was your age when first diagnosed? \_\_ (fill-in)
  - In what state were you living when first diagnosed? (dropdown menu of US  
states, Washington D.C., territories, and other- please specify)
- Pancreas
  - [if selected] What was your age when first diagnosed? \_\_ (fill-in)

- In what state were you living when first diagnosed? (dropdown menu of US states, Washington D.C., territories, and other- please specify)
- Prostate
  - [if selected] What was your age when first diagnosed? \_\_ (fill-in)
  - In what state were you living when first diagnosed? (dropdown menu of US states, Washington D.C., territories, and other- please specify)
- Skin: Melanoma
  - [if selected] What was your age when first diagnosed? \_\_ (fill-in)
  - In what state were you living when first diagnosed? (dropdown menu of US states, Washington D.C., territories, and other- please specify)
- Skin: Non-Melanoma (e.g., basal cell carcinoma, squamous cell carcinoma) or Unknown
  - [if selected] What was your age when first diagnosed? \_\_ (fill-in)
  - In what state were you living when first diagnosed? (dropdown menu of US states, Washington D.C., territories, and other- please specify)
- Small Intestine
  - [if selected] What was your age when first diagnosed? \_\_ (fill-in)
  - In what state were you living when first diagnosed? (dropdown menu of US states, Washington D.C., territories, and other- please specify)
- Stomach
  - [if selected] What was your age when first diagnosed? \_\_ (fill-in)
  - In what state were you living when first diagnosed? (dropdown menu of US states, Washington D.C., territories, and other- please specify)
- Testis
  - [if selected] What was your age when first diagnosed? \_\_ (fill-in)
  - In what state were you living when first diagnosed? (dropdown menu of US states, Washington D.C., territories, and other- please specify)
- Thyroid
  - [if selected] What was your age when first diagnosed? \_\_ (fill-in)
  - In what state were you living when first diagnosed? (dropdown menu of US states, Washington D.C., territories, and other- please specify)
- Uterus/Endometrium
  - [if selected] What was your age when first diagnosed? \_\_ (fill-in)
  - In what state were you living when first diagnosed? (dropdown menu of US states, Washington D.C., territories, and other- please specify)
- Unsure which cancer (primary site)
  - [if selected] What was your age when first diagnosed? \_\_ (fill-in)
  - In what state were you living when first diagnosed? (dropdown menu of US states, Washington D.C., territories, and other- please specify)
- Other type of cancer
  - Please specify: \_\_\_\_\_
  - [if selected] What was your age when first diagnosed? \_\_ (fill-in)
  - In what state were you living when first diagnosed? (dropdown menu of US states, Washington D.C., territories, and other- please specify)

**31.** Have you ever been told by a healthcare professional that you have the following conditions?

- Diabetes
  - No
  - Yes
    - If yes, what type?
      - Type 1
      - Type 2
      - Gestational
      - Unsure
- High Blood Pressure
  - No
  - Yes
- High Cholesterol
  - No
  - Yes
- Overweight
  - No
  - Yes
- Obesity
  - No
  - Yes
- Rheumatoid Arthritis
  - No
  - Yes
- Asthma
  - No
  - Yes
- Emphysema
  - No
  - Yes
- Chronic Bronchitis
  - No
  - Yes
- Heart Disease (e.g. heart attack, heart failure, atherosclerosis)
  - No
  - Yes
- Stroke
  - No
  - Yes
- Sleep Apnea
  - No
  - Yes
- Insomnia
  - No
  - Yes
- Celiac Disease
  - No

- Yes
- Inflammatory bowel disease
  - No
  - Yes
    - If yes, what type?
      - Crohn's Disease
      - Ulcerative Colitis
      - Unsure
      - Other
        - Please specify
- Colorectal Polyps
  - No
  - Yes
- Chronic Hepatitis (Hepatitis B, Hepatitis C)
  - No
  - Yes
- Post-Traumatic Stress Disorder
  - No
  - Yes
- Depression
  - No
  - Yes
- Anxiety
  - No
  - Yes
- Dementia
  - No
  - Yes
- Traumatic Brain Injury (concussion)
  - No
  - Yes
- Coronavirus Disease 2019 (COVID-19)
  - No
  - Yes

**32.** Have you ever experienced an injury resulting in 3 or more days away from work?

- No
- Yes

**33.** Have you ever experienced a smoke inhalation injury resulting in the need for medical care (such as emergency department visit or health professional consultation)?

- No
- Yes

**34.** Do any of your biological children have a history of cancer?

- I do not have any biological children
- Unsure if my biological children have a history of cancer
- No
- Yes

○ [If yes] For these biological children, where did the cancer(s) start (primary site)?

- 
- Bladder
- Brain or Central Nervous System
- Breast
- Cervix
- Colon or Rectum
- Esophagus
- Hodgkin's Lymphoma
- Kidney
- Larynx (e.g., voice box, vocal cords)
- Leukemia
- Liver
- Lung
- Mesothelioma
- Multiple Myeloma
- Non-Hodgkin's Lymphoma
- Oral Cavity or Pharynx (e.g., lip, tongue, palate, tonsil, other parts of the mouth)
- Ovary
- Pancreas
- Prostate
- Skin: Melanoma
- Skin: Non-Melanoma (e.g., basal cell carcinoma, squamous cell carcinoma) or Unknown
- Small Intestine
- Stomach
- Testis
- Thyroid
- Uterus/Endometrium
- Unsure which cancer (primary site)
- Other
  - Please specify: \_\_\_\_\_

**35.** Do you have a family history of cancer among your other immediate biological (blood) relatives, including mother, father, and/or sibling(s)?

- Unsure if I have a family history of cancer
- No
- Yes

○ [If yes] For these blood relatives, where did the cancer(s) start (primary site)?

- Bladder
- Brain or Central Nervous System
- Breast
- Cervix
- Colon or Rectum
- Esophagus
- Hodgkin's Lymphoma
- Kidney
- Larynx (e.g., voice box, vocal cords)
- Leukemia

- Liver
- Lung
- Mesothelioma
- Multiple Myeloma
- Non-Hodgkin's Lymphoma
- Oral Cavity or Pharynx (e.g., lip, tongue, palate, tonsil, other parts of the mouth)
- Ovary
- Pancreas
- Prostate
- Skin: Melanoma
- Skin: Non-Melanoma (e.g., basal cell carcinoma, squamous cell carcinoma) or Unknown
- Small Intestine
- Stomach
- Testis
- Thyroid
- Uterus/Endometrium
- Unsure which cancer (primary site)
- Other
  - Please specify: \_\_\_\_\_

**36.** If answer to sex in the user profile is female (males will not see these questions): Have you ever been pregnant?

- No
- Yes
  - If yes, how many times have you been pregnant? (numerical fill-in)
  - How many of your pregnancies resulted in at least one live birth? (numerical fill-in)
  - How old were you when your first pregnancy occurred? (numerical fill in, unsure, prefer not to answer)
  - Have you ever breastfed?
    - No
    - Yes
      - Approximately how many months did you breastfeed in total for all births combined? \_\_\_\_ months (numerical fill-in)
  - Prefer not to answer
- Unsure
- Prefer not to answer

**37.** How old were you when you had your first menstrual period? (numerical fill-in) \_\_\_\_\_

- Have never had a menstrual period
- Unsure
- Prefer not to answer

**38.** Has it been 12 months or more since you had your last menstrual period?

- No
- Yes
  - How old were you when you had your last period? (numerical fill-in and unsure)
  - Why did your menstrual periods stop?
    - Currently pregnant or nursing
    - Menstrual periods stopped naturally
    - Surgery (e.g., hysterectomy or oophorectomy)
    - Chemotherapy treatments
    - Hormonal contraceptives (birth control pill, shot, patch, intrauterine device, etc.)

- Unsure
  - Other
    - Please specify \_\_\_\_\_
  - Have you used any female hormones for two months or more to treat hot flashes or other menopausal symptoms (such as Premarin or other estrogens)?
    - No
    - Yes
      - How old were you when you began using these medications? (numerical fill-in and unsure)
      - Altogether, for how many months or years in total have you used these medications? (numerical fill-in and unsure) \_\_\_\_\_ months *OR* \_\_\_\_\_ years
      - How old were you when you stopped using these medications? (numerical fill-in)
        - Currently using
        - Unsure
  - N/A
  - Unsure
  - Prefer not to answer
39. Have you ever used hormonal contraceptives for two months or more for any reason (birth control, acne, menstrual irregularity, endometriosis, polycystic ovarian syndrome, etc.)?
- No
  - Yes
    - How old were you when you began using hormonal contraceptives? (numerical fill-in and unsure)
    - Altogether, for how many months or years have you used hormonal contraceptives? (numerical fill-in and unsure) \_\_\_\_\_ months *OR* \_\_\_\_\_ years
    - How old were you when you stopped using hormonal contraceptives? (numerical fill-in)
      - Currently using
      - Unsure
  - Unsure
  - Prefer not to answer

## Lifestyle

**We are asking about lifestyle behaviors because cancer or other health conditions may be related to a combination of work events and lifestyle choices.**

40. In a typical week, do you perform physical activity that raises your heartrate (such as swimming, biking, brisk walking, jogging, rowing) for at least 150 minutes (2 hours and 30 minutes) per week not including firefighting response activities?
- Yes
  - No
  - Prefer not to answer
41. In a typical week, do you perform weight or strength training at least 2 days a week?
- Yes
  - No
  - Prefer not to answer
42. After several months of not being in the sun, if you then went out into the sun without sunscreen or protective clothing for one hour, which of these would happen to your skin?
- Get a severe sunburn with blisters
  - Have a moderate sunburn with peeling

- Burn mildly with some or no darkening/tanning
- Turn darker without sunburn
- Nothing would happen to my skin
- Do not go out in the sun

**43.** How many blistering sunburns have you had in your lifetime?

- 0
- 1-5
- 6-10
- 10 or more

Please answer the next group of questions based on your current and past uses with tobacco based products.

**44.** In your entire life, have you smoked 100 or more cigarettes (note, five packs is equal to 100 cigarettes)?

- Prefer not to answer
- No
- Yes, I currently smoke cigarettes
  - On average, about how many cigarettes a day do you smoke? (numerical fill-in)
  - At what age did you first start smoking regularly? (numerical fill-in)
  - How many years have you smoked, not counting time periods when you had quit? (numerical fill-in)
- Yes, I formerly smoked cigarettes
  - On average about how many cigarettes a day did you smoke? (numerical fill-in)
  - At what age did you first start smoking regularly? (numerical fill-in)
  - How many years did you smoke, not counting time periods when you had quit? (numerical fill-in)
  - How old were you when you last smoked cigarettes?

**45.** Did you ever use smokeless tobacco, such as chewing tobacco, snuff, or dip regularly for a year or longer?

- Prefer not to answer
- No
- Yes, I currently use smokeless tobacco regularly
  - On average, about how many dips per day do you use? (numerical fill-in)
  - At what age did you first start using smokeless tobacco regularly? (numerical fill-in)
  - How many years have you used smokeless tobacco, not counting time periods when you had quit? (numerical fill-in)
- Yes, I formerly used smokeless tobacco regularly
  - On average about how many dips per day did you use? (numerical fill-in)
  - At what age did you first start using smokeless tobacco regularly? (numerical fill-in)
  - How many years did you use smokeless tobacco, not counting time periods when you had quit? (numerical fill-in)
  - How old were you when you last used smokeless tobacco?

**46.** Did you ever smoke cigars regularly for a year or longer?

- Prefer not to answer
- No
- Yes, I currently smoke cigars regularly
  - At what age did you first start smoking cigars regularly? (numerical fill-in)
  - How many years have you smoked cigars, not counting time periods when you had quit?
- Yes, I formerly smoked cigars regularly
  - At what age did you first start smoking cigars regularly? (numerical fill-in)
  - How many years did you smoke cigars, not counting time periods when you had quit?
  - How old were you when you last smoked cigars?

47. Did you ever smoke pipes regularly for a year or longer?
- ☐ Prefer not to answer
  - ☐ No
  - ☐ Yes, I currently smoke pipes regularly
    - ☐ At what age did you first start smoking pipes regularly? (numerical fill-in)
    - ☐ How many years have you smoked pipes, not counting time periods when you had quit?
  - ☐ Yes, I formerly smoked pipes regularly
    - ☐ At what age did you first start smoking pipes regularly? (numerical fill-in)
    - ☐ How many years did you smoke pipes, not counting time periods when you had quit?
    - ☐ How old were you when you last smoked pipes?
48. Did you ever vape or use e-cigarettes regularly for a year or longer?
- ☐ Prefer not to answer
  - ☐ No
  - ☐ Yes, I currently vape or use e-cigarettes regularly
    - ☐ At what age did you first start vaping or using e-cigarettes? (numerical fill-in)
    - ☐ How many years have you vaped or used e-cigarettes, not counting time periods when you had quit?
  - ☐ Yes, I formerly vaped or used e-cigarettes regularly
    - ☐ At what age did you first start vaping or using e-cigarettes? (numerical fill-in)
    - ☐ How many years did you vape or use e-cigarettes, not counting time periods when you had quit? (numerical fill-in)
    - ☐ How old were you when you last vaped or used e-cigarettes?
49. In the past 30 days, how many days did you have at least one drink of any alcoholic beverage such as beer, wine, a malt beverage, or liquor? One drink is equivalent to a 12-ounce beer, a 5-ounce glass of wine, or a drink with one shot of liquor. [dropdown with numerical options ranging from 0-30] \_\_\_\_\_
- ☐ **[If 0, skip questions 50-51]**
50. During the past 30 days, on the days when you drank, how many drinks did you consume on average? [fill-in, numerical text] \_\_\_\_\_
51. Considering all types of alcoholic beverages, how many times in the past 30 days did you consume 4/5 or more drinks on an occasion? [4 will appear for women, 5 will appear for men or missing sex response] [dropdown with numerical options ranging from 0-30] \_\_\_\_\_
52. Has a health professional ever told you to consider reducing your alcohol use?
- ☐ Yes
  - ☐ No
  - ☐ Unsure
  - ☐ Prefer not to answer

**You have reached the end of this survey, and we would like to offer you an opportunity to give us feedback:**

53. Is there anything else you would like us to know? [narrative box]

Optional information you would like us to know about you.

***Thank you for your participation in the National Firefighter Registry. Please click Submit to complete your enrollment. If you have questions, please feel free to email us at [NFRRegistry@cdc.gov](mailto:NFRRegistry@cdc.gov).***

**Submit**