Attachment C Fire Fighter Follow-back Survey

Fire Fighter Injuries/Illnesses/Exposures

Questionnaire # _____

This is the Fire Fighter Injuries/Illnesses/Exposures Survey

Tasknum – Enter task number

_____

Instruct_1. **Bold type** indicates what should be read to the respondent. Instructions for the interviewer or frequently asked questions will be prefaced by "**Interviewer:**" and are written in non-bold type.

Interviewer: Please do not read choices to yes/no questions or give examples unless explicitly instructed to do so. Do not read the "Refused" or "Don't Know" choices. If the respondent is unsure, read applicable interviewer notes if available. Otherwise, say, "Please give me the answer you think is best."

Instruct_2. **Interviewer:** Prior to calling the respondent, please review their case and complete the following.

Name - **Interviewer:** Complete before dialing.

What is your name? (Interviewer's first and last name)

_____

tx_date - **Interviewer:** Complete before dialing.

Enter the month, day, year of treatment.

Month (MM)   _____
Day (DD)   _____
Year (YY)   _____

Interview Introduction
Hello. My name is (interviewer name). I am calling for the National Institute for Occupational Safety and Health, also known as NIOSH. In the last few weeks, you should have received a letter explaining a research study on injuries and illnesses involving fire fighters. This study has no connection to workers' compensation. As the letter indicated, we are gathering information on injuries and illnesses among career and volunteer fire fighters who were injured or became ill while performing fire fighting duties. You were chosen for this study from emergency department records. I understand that on_____/_____/_____you were treated in the emergency department for an incident that occurred at work.

1) Is this correct?

   a. Yes
   b. No

Programming note: If 1 = a, SKIP to Consent
Programming note: If 1 = b, GOTO 2

  2) Were you recently treated on a different day in a hospital emergency department?

a. Yes
b. No

Programming note: If 2 = a, GOTO to 3
Programming note: If 2 = b, END interview

3) What day was that?

Month (MM)   _____
Day (DD)   _____
Year (YY)   _____

Programming note: If date is within 21 days of recorded date, GOTO Consent
Programming note: If date is greater than 21 days from recorded date, END interview

Consent - **The letter you received explained how we will protect your privacy. I am required to tell you four things that were mentioned in this letter:**

  (1) **Taking part in this study involves a small risk to your privacy, but we take many steps to prevent that risk.**
  (2) **There is no direct benefit or reimbursement for taking part in this study.**
  (3) **Your answers to our questions will be kept private to the extent allowed by law. Your name, address, nor anything else that could identify you will never be associated with the information you give and will not be in any records held by NIOSH.**
  (4) **If you have questions about the study or you feel you were harmed, you may call Suzanne Marsh, CDC project officer, at 304-285-6009. For questions about your rights, your privacy, or harm to you, contact the Chair of the NIOSH Institutional Review Board in the Human Research Protection Program at 513-533-8591.**

I would like to ask you some questions about your incident. Your participation is particularly important to us because you represent a number of fire fighters who were not selected for interview. This interview takes about 30 minutes. The information that you provide will be used for prevention purposes only and does not have any bearing on the worker's compensation process or benefits. This study is voluntary. You may choose to be in the study or not. You do not have to answer any questions you do not want to. You can end the call at any time without any consequences.

4) Would you please help us by answering some questions?

a. Yes
b. No

Programming note: If 4 = a, SKIP to Instruct_3
Programming note: If 4 = b, GOTO 5

5) I assure you that everything you tell us will be kept private and will only be used to study how to prevent injuries and illnesses on the job. Your participation is very important and will benefit fire fighters. Would you please reconsider helping us?

    a. Yes

    b. No

Programming note: If 5 = a, SKIP to Instruct_3
Programming note: If 5 = b, GOTO 5

6) I understand that this may be a bad time. May I call back another time?

    a. Yes

    b. No

Programming note: If 6 = a, note preferred time and call back later
Programming note: If 6 = b, END interview

1) **At the time of the incident that sent you to the emergency department, were you assigned as...?** _(Read categories.)_

   a. **Both a fire fighter and an EMT or paramedic** (GOTO 2)
   b. **A fire fighter only** (GOTO 2)
   c. **An EMT or paramedic only**
   d. **Neither a fire fighter nor an EMT or paramedic**

Programming note: If 1 = c or d, END interview

2) **At the time of the incident, what type of fire fighter were you?** _(Read categories.)_

   a. **A volunteer fire fighter**
   b. **A part-paid or on-call fire fighter** (GOTO 3)
   c. **A career fire fighter** (GOTO 3)
   d. DON'T KNOW

Programming note: If 2 = a, SKIP to Instruct_3
Programming note: If 2 = d, END interview

3) **What type of department was it?** _(Read categories.)_

   a. **A Federal department**
   b. **A state department**
   c. **A county department**
   d. **A city department**
   e. **A private or industrial department**
   f. DON'T KNOW

Instruct_3. **I will be asking you questions related to your visit to the emergency department on [date]. These questions refer to the emergency department as the ED.**

**Injury/illness/exposure (IIE) description**

1) **Tell me about why you went to the ED?**

Interviewer: If respondent hesitates, ask the following: "What happened that sent you to the ED?"

Interviewer: If respondent suggests that there was more than one reason, ask the respondent to describe the reason that was related to their fire fighter duties.

Interviewer: If respondent suggests that there was more than one reason related to their job, ask the respondent to describe the reason they felt was more serious.

Interviewer: If not included in the description, use the following questions as prompts:

(1) What were you doing when your injury or exposure happened?
(2) Were your activities part of your job duties?
(3) Where were you? In a building? Outside of a building? On a road?
(4) Thinking about equipment other than personal protective equipment, what equipment were you using?

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2) **Throughout the rest of the interview, we want to use one word to refer to why you went to the ED. Which of these words works <u>best:</u> injury, illness or exposure?**

Interviewer: If the respondent hesitates or says don't know, say the following: There is no right or wrong answer. Choose the word that best describes why you went to the ED.

a. Injury
b. Illness
c. Exposure
d. REFUSED

Programming note: the answer from 2 will only be used as a fill-in for the remainder of the survey [IIE] but will not be used for data analysis.
Programming note: If 2 = d, END interview

Instruct_4. **Thank you for telling me about why you went to the ED. I'm going to ask you additional questions about your [IIE]. Some questions may repeat information you've given me, but I need to ask them as they appear.**

Programming note: If 2 (IIE description) = a, GOTO 1
Programming note: If 2 (IIE description) = b, SKIP to 2
Programming note: If 2 (IIE description) = c, SKIP to 3

Injury/illness/exposure characteristics

1) **Approximately what time did your [IIE] occur?** (Unknown = 99)

Interviewer: If the respondent does not indicate, ask whether the time is AM or PM.

Time   _____
AM/PM   _____

Programming note: If 2 (IIE description) = a, GOTO 2
Programming note: If 2 (IIE description) = b, SKIP to 3
Programming note: If 2 (IIE description) = c, SKIP to 4

2) [If 2 (IIE description) = a] **What was your injury?**

_____

Programming note: If 2 (IIE description) = a, SKIP to 5

3) [If 2 (IIE description) = b] **What was your illness?**

_____

Programming note: If 2 (IIE description) = b, SKIP to 8

4) [If 2 (IIE description) = c] **What were you exposed to?**

_____

5) **What part of your body was most affected by your [IIE]?**

_____

6) **Were any other parts of your body affected?**

   a. Yes (GOTO 6)
   b. No
   c. DON'T KNOW

Programming note: If 5 = b or c, SKIP to 7

7) [If 5 = a] **Please describe the other parts of your body affected by your [IIE].**

_____

8) **What treatment did you receive in the ED for your [IIE]?**

_____

9) **Now I'm going to read you a list of sources people use to pay medical bills. Please tell me which source you THINK you will use to pay your ED bill.**

Interviewer: If respondent suggests that they have two or more payers, ask "Which of these do you think will pay the larger part of the bill?"

    a. **Worker's Compensation**
    b. **Health insurance**
    c. **Yourself, also called out-of-pocket**
    d. **Another source**
    e. **None**
    f. DON'T KNOW

Programming note: If 9 = a, b, c, e, or f, SKIP to Instruct_5

10) **Please tell me the source you think you will use to pay your ED bill.**

_____

Instruct_5. **I'd now like to ask you some questions about your specific duties at the time of your [IIE] and additional details about the incident that you were involved in.**

Programming note: If 2 (Screen) = a, SKIP to 3

Incident characteristics

1) [If 2 (Screen) = b or c] **How many hours was the shift you were working when your [IIE] occurred? Was it...?** *(Read categories.)*

   a. **8 hours**
   b. **10 hours**
   c. **12 hours**
   d. **24 hours**
   e. **48 hours**
   f. **72 hours**
   g. **Other** (GOTO 2)
   h. DON'T KNOW

Programming note: If 1 = a, b, c, d, e, f, or h, SKIP to 3

2) [If 1 = g] **Please tell me how many hours the shift you were working was?**

   _____

3) **Were you on a call when your [IIE] occurred?**

Interviewer: If the respondent asks whether responding to or returning from a call is included, please say the following: A call includes responding or returning from a call and time on scene.

   a. Yes (GOTO 4)
   b. No

Programming note: If 3 = b, SKIP to 26

4) [If 3 = a] **What type of call were you on when your [IIE] occurred? Was it a...?** *(Read categories.)*

   a. **Working fire including structural, vehicle, or brush**
   b. **Medical**
   c. **Motor vehicle, that did not involve a working fire**
   d. **Alarm, including fire or CO, that did not involve a working fire**
   e. **Public assistance**
   f. **Another type** (GOTO 5)

Programming note: If 4 = a, SKIP to 6
Programming note: If 4 = b, c, d, or e, SKIP to 8

5) [If 4 = f] **Please describe the call.**

_____

Programming note: If 4 = f, SKIP to 8

6) [If 4 = a] **What type of working fire was it?** *(Read categories.)*

    a. **Structure**
    b. **Wildland, brush, grass, or wildland urban interface**
    c. **Vehicle**
    d. **Another outside fire (e.g., trash)**
    e. **Some other type of fire** (GOTO 7)

Programming note: If 6 = a, b, c, or d, SKIP to 8

7) [If 6 = e] **Please describe the type of fire.**

_____

8) **Please tell me whether or not you were in any of the following locations when your [IIE] occurred.**

	Yes (1)	No (2)	Programming note
a) **At the station**			GOTO 8b
b) **Getting in or out of a vehicle**			If (8a = 1) AND (8b = 1), SKIP to 11 If (8a = 2) AND (8b = 1), SKIP to 8d If (8a = 1 or 2) AND (8b = 2), GOTO 8c
c) **In a vehicle**			If (8a = 1) AND (8c = 1), SKIP to 11 If (8a = 1) AND (8b = 2) AND (8c = 2), SKIP to 9 If (8a = 2) AND (8c = 1 or 2), GOTO 8d
d) **On scene**			If ((8b = 1) OR (8c = 1)) AND (8d = 1 or 2), SKIP to 11 If ((8b = 2) AND (8c = 2)) AND (8d = 1) AND (4 = a) SKIP to 24 If ((8b = 2) AND (8c = 2)) AND (8d = 1) AND (4 NE a), SKIP to Instruct_6 If (8a = 2) AND (8b = 1 or 2) AND (8d = 2), GOTO e
e) **In some other place**			If 8e = 1, SKIP to 10
f) **DON'T KNOW**			If 8f = 1, SKIP to Instruct_6

9) [If (8a = 1) AND (8b = 2) AND (8c = 2)] **Please tell me what you were doing.**

_____

10) [If 8e = 1] **Please tell me where you were when your [IIE] occurred.**

_____

11) [If 8b = 1 OR 8c = 1] **What type of vehicle was it?** *(Read categories.)*

    a. **A fire apparatus or fire vehicle**
    b. **An ambulance or medic unit**
    c. **A personal vehicle**
    d. **Another type** (GOTO 12)

12) [If 11 = d] **Please describe the vehicle.**

_____

13) [If 11 = a] **What type of fire apparatus was it?** *(Read categories.)*

    a. **An engine**
    b. **A heavy rescue**
    c. **A tanker or tender truck**
    d. **A ladder truck**
    e. **A brush truck**
    f. **A utility vehicle**
    g. **A command vehicle**
    h. **Another type** (GOTO 14)

14) [If 13 = h] **Please tell me what type of fire apparatus it was.**

_____

Programming note: If (13 = h) AND (8b = 1), SKIP to Instruct_6
Programming note: (f (13 = h) AND (8b = 2), GOTO 15

15) [If 11 = a] **What was your location in the fire apparatus when your [IIE] occurred? Were you in the...?** *(Read categories.)*

    a. **Driver seat**
    b. **Front officer seat**
    c. **Jumpseat**
    d. **Tiller**
    e. **Another location** (GOTO 16)

Programming note: If 15 = a, b, c, or d, SKIP to 20

16) [If 15 = e] **Please describe your location.**

_____

Programming note: If 11 = a, SKIP to 20

17) [If 11 = b] **What was your location in the ambulance or medic unit when your [IIE] occurred? Were you in the...?** *(Read categories.)*

    a. **Driver seat**
    b. **Front passenger seat**
    c. **Patient compartment**
    d. **Another location** (GOTO 20)

Programming note: If 17 = a, b, or c, SKIP to 20

18) [If 17 = d] **Please describe your location.**

_____

Programming note: If 11 = b, SKIP to 20

19) [If 11 = c or d] **Were you driving the vehicle when your [IIE] occurred?**

    a. Yes
    b. No

20) [If 8c = 1] **What were you doing at the time your [IIE] occurred? Were you....?** *(Read categories.)*

    a. **Responding or going to a call**
    b. **Returning from a call** (GOTO 21)
    c. **Doing something else**

Programming note: If 20 = a, SKIP to 23
Programming note: If 20 = c, SKIP to 22

21) [If 20 = b] **Were you assisting in transporting a patient from a call?**

    a. Yes
    b. No

Programming note: If 20 = b, SKIP to 23

22) [If 20 = c] **Please tell me what you were doing.**

_____

23) At the time of your [IIE], were lights or sirens being used by the vehicle you were in?

    a. Yes
    b. No

Programming note: If 8c = 1, SKIP to Instruct_6

24) [If 4 = a AND 8d = 1] **I am going to read you a list of activities that you may have been doing when your [IIE] occurred. Please tell me which activity you were doing.** *(Read categories.)*

    a. **Search and rescue**
    b. **Forcible entry**
    c. **Ventilation**
    d. **Fire attack**
    e. **Salvage and overhaul**
    f. **Driver operator, chauffeur, or engineer**
    g. **Incident management**
    h. **Another activity** (GOTO 25)

Programming note: If 24 NE h, SKIP to Instruct_6

25) [If 24 = h] **Please describe the activity you were doing when your [IIE] occurred.**

_____

Programming note: If 4 = a AND 8d = 1, SKIP to Instruct_6

26) [If 3 = b] **What activity were you performing at the time of your [IIE]? Was it....?** *(Read categories.)*

Interviewer: If any part of respondent's answer includes training, choose answer c.

    a. **Station activity** (GOTO 27)

b. **Physical fitness activity at the station**
c. **Training**
d. **Another activity**

Programming note: If 26 = b, SKIP to 28
Programming note: If 26 = c, SKIP to 29
Programming note: If 26 = d, SKIP to 30

27) [If 26 = a] **Please describe the station activity you were doing.**

_____

Programming note: If 26 = a, SKIP to Instruct_6

28) [If 26 = b] **Please describe the physical fitness activity you were doing.**

_____

Programming note: If 26 = b, SKIP to Instruct_6

29) [If 26 = c] **Please describe the training that you were participating in.**

_____

Programming note: If 26 = c, SKIP to Instruct_6

30) [If 26 = d] **Please describe the activity that you were doing.**

_____

Instruct_6. **I'm now going to ask you a series of questions related to the incident that led to your [IIE]. Not all of the scenarios will apply to your situation.**

Event-specific characteristics

Overexertion and strains
1) **Overexertion or strains may result from excessive physical effort, an awkward body posture, or repetitive motion. This type of injury does not involve heat stress. Did your [IIE] involve an <u>overexertion or strain</u>?**

   a. Yes (GOTO 2)
   b. No (SKIP to 1 in Exposure to heat, smoke, or toxic agents)
   c. DON'T KNOW (SKIP to 1 in Exposure to heat, smoke, or toxic agents)

2) **I am going to read you a list of activities. Please tell me whether or not you were doing any of these activities when your [IIE] occurred.**

	Yes	No
a) **Going up or down stairs**		
b) **Getting into or out of a vehicle**		
c) **Turning a corner or negotiating a turn**		
d) **Twisting**		
e) **Working above shoulder level**		
f) **Working below waist level**		
g) **Walking on a rough or uneven surface such as an uneven floor or a steep bank**		
h) **Rushing to complete a task**		
i) **Using an awkward posture or movement because of the space you were in**		
j) **Walking or stepping on a surface that was not dry**		
k) **Transferring, carrying, or lifting a person**		
l) **Transferring, carrying, or lifting equipment**		

Programming note: If 2 = j only or with any other response, GOTO 3
Programming note: If (2 NE j) AND (2 = k only or with any other response), SKIP to 5
Programming note: If (2 NE j) AND (2 NE k) AND (2 = l only or with any other response), SKIP to 6
Programming note: If (2 NE j) AND (2 NE k) AND (2 NE l), SKIP to 9

3) [If 2 = j only or with any other response] **You told me the surface you were walking on was not dry. What was on that surface?** *(Read categories.)*

   a. **Water**
   b. **Ice**
   c. **Snow**
   d. **Grease**
   e. **Another substance** (GOTO 4)

f. DON'T KNOW

4) [If 3 = e] **Please describe what was on the surface when your [IIE] occurred.**

_____

5) [If 2 = k only or with any other response] **You told me you were transferring, carrying, or lifting a person at the time of your [IIE]. Was that person overweight or obese?**

a. Yes
b. No
c. DON'T KNOW

6) **Were there other persons assisting you with the transfer, carry, or lift?**

a. Yes (GOTO 7)
b. No
c. DON'T KNOW

7) [If 6 = a] **How many were assisting you?**

NumPersons _____

8) [If 2 = l only or with any other response] **You told me you were transferring, carrying, or lifting equipment at the time of your [IIE]. Please describe the equipment.**

_____

9) **Prior to this [IIE], did you have a sprain, strain, or repetitive motion injury to the same part of your body?**

a. Yes
b. No
c. DON'T KNOW

**Exposure to heat, smoke, or toxic agents**

1) **Fire fighters are often exposed to heat, flames, and smoke. Fire fighters may also be exposed to other toxic agents including carbon-monoxide, poison ivy, or harmful gases. Were you exposed to heat, smoke, or other toxic agents when your [IIE] occurred?**

   a. Yes (GOTO Instruct_7)
   b. No (SKIP to 1 in Exposure to a potentially harmful substance)
   c. DON'T KNOW (SKIP to 1 in Exposure to a potentially harmful substance)

Instruct_7. **I'm now going to ask you some additional questions about your exposure.**

2) **I am going to read you a list of items you may have been exposed to when your [IIE] occurred. Please tell me whether or not you were exposed to any of the following.** (Please select all that apply) *(Read categories.)*

   a. **Heat**
   b. **Flames**
   c. **Carbon monoxide**
   d. **Poison ivy**
   e. **Something else**
   f. DON'T KNOW

Programming note: If 2 = e only or with any other response, GOTO 3
   * *Programming note: If (2 NE e) AND 6 (Incident characteristics) = d, e, or blank, SKIP to 1 in Exposure to a potentially harmful substance*
   * *Programming note: If (2 NE e) AND 6 (Incident characteristics) = a, b, or c, SKIP to Instruct_8*

3) [If 2 = e only or with any other response] **Please describe what you were exposed to.**

   _____

* *Programming note: If 6 (Incident characteristics) = d, e, or blank, SKIP to 1 in Exposure to a potentially harmful substance*

Instruct_8. **I'm now going to ask you some additional questions about the fire incident that you were involved in when you were exposed.**

Programming note: If 6 (Incident characteristics) = a, GOTO 4
Programming note: If 6 (Incident characteristics) = b, SKIP to 12
Programming note: If 6 (Incident characteristics) = c, SKIP to 22

4) [If 6 (Incident characteristics) = a] **Earlier you told me you were on the scene of a structure fire. What type of structure was it?** *(Read categories.)*

   a. **A 1 or 2 family dwelling, including mobile home**
   b. **A multi-family dwelling**
   c. **Non-residential or commercial** (GOTO 5)

    d. Other
    e. DON'T KNOW

Programming note: If 4 = a, b, or, e, SKIP to 7
Programming note: If 4 = d, SKIP to 7

5) [If 4 = c] **Please describe the non-residential or commercial structure.**

_____

Programming note: If 4 = c, SKIP to 7

6) [If 4 = d] **Please describe the type of structure.**

_____

7) **Where were you at the time of your [IIE]? Were you….?** *(Read categories.)*

    a. Inside the structure
    b. Outside the structure
    c. DON'T KNOW

8) **Were there civilians in the structure that was on fire?**

    a. Yes
    b. No
    c. DON'T KNOW

9) **Was there an incident commander on scene when your [IIE] occurred?**

    a. Yes
    b. No
    c. DON'T KNOW

10) **I am going to read you a list of factors that may have contributed to your IIE. As I read each one, please tell me whether or not the factor contributed to your [IIE].** (Please select all that apply) *(Read categories.)*

    a. Collapsing or falling object
    b. Changes to the direction or flow path of the fire
    c. Lost, caught, trapped, or confined
    d. Another factor
    e. DON'T KNOW

Programming note: if 10 = d only or with any other response, GOTO 11
Programming note: if 10 NE d, SKIP to 1 in Exposure to a potentially harmful substance

11) [If 10 = d or with any other response] **Please describe any other factors that contributed to your [IIE].**

12) [If 6 (Incident characteristics) = b] **Earlier you told me you were on scene of a wildland, brush, or grass fire. What type of area did the fire occur in?** *(Read categories.)*

    a. **An area without residents, largely still wild and undisturbed**
    b. **Rural, farm area, or heavily timbered area**
    c. **In a city, large town, or suburb**
    d. **Other** (GOTO 13)
    e. DON'T KNOW

13) [If 12 = d] **Please describe the area where the fire occurred.**

_____

14) **Was the fire a prescribed burn?**

    a. Yes
    b. No
    c. Don't Know

15) **What response activity were you doing when your [IIE] occurred? Were you doing...?** *(Read categories.)*

    a. **Initial attack**
    b. **Suppression**
    c. **Mop-up**
    d. **Another activity** (GOTO 16)
    e. DON'T KNOW

16) [If 16 = d] **Please describe your activity.**

_____

17) **What type of wildland fire fighter crew were you on at the time of your [IIE]? Were you on...?** *(Read categories.)*

    a. **A handcrew**
    b. **An engine crew**
    c. **Jumper or Rapeller**
    d. **Management oroverhead**
    e. **Another type** (GOTO 18)

    f.   **Not part of a crew**

    g.   DON'T KNOW

Programming note: If 17 = a, b, c, d, f, or g, SKIP to 19

18) [If 17 = e] **Please describe your crew type.**

_____

19) Was there an incident commander on scene when your [IIE] occurred?

    a.   Yes

    b.   No

    c.   DON'T KNOW

20) **I am going to read you a list of factors that may have contributed to your IIE. As I read each one, please tell me whether or not the factor contributed to your [IIE].** (Please select all that apply) *(Read categories.)*

    a.   **Changes to the direction or flow path of the fire**

    b.   **Falling object, including a snag or rock**

    c.   **Equipment such as chainsaw, hand tools, or drip torch**

    d.   **All-terrain vehicle**

    e.   **Other motor vehicle**

    f.   **Another factor**

    g.   DON'T KNOW

Programming note: If 20= f only or with any other response, GOTO 21
Programming note: If 20 NE f, SKIP to 1 in Exposure to a potentially harmful substance

21) [If 20 = f only or with any other response] **Please describe any other factors that contributed to your [IIE].**

_____

Programming note: If 6 (Incident characteristics) = b, SKIP to 1 in Exposure to a potentially harmful substance

22) [If 6 (Incident characteristics) = c] **Earlier you told me you were on scene of a vehicle fire. What type of vehicle was on fire?** *(Read categories.)*

    a.   **An automobile or passenger vehicle including a pick-up truck**

    b.   **A commercial vehicle including a bus or tractor trailer**

    c.   **Another type** (GOTO 23)

    d.   DON'T KNOW

Programming note: If 22 = a, b, or d, SKIP to 24

23) [If 23 = c] **What type of vehicle was it?**

24) Was there an incident commander on scene when your [IIE] occurred?

    a. Yes

    b. No

    c. DON'T KNOW

Exposure to a potentially harmful substance

1) **Fire fighters may be exposed to other potentially hazardous substances <u>not related to a fire scene</u>. These hazardous substances may include bodily fluid either from direct contact or indirect contact with a patient or other person. Were you exposed to a potentially hazardous substance?**

   a. Yes (GOTO Instruct_9)
   b. No (SKIP to 1 in Falls/Slips/Trips)
   c. DON'T KNOW (SKIP to 1 in Falls/Slips/Trips)

Instruct_9. **I'm now going to ask you some additional questions about your exposure to a potentially harmful substance. Some of these questions may duplicate previous questions but I must ask them as written.**

2) [If 1 = a] Please tell me whether your exposure occurred from any of the following. (Please select all that apply) *(Read categories.)*

   a. **Being stuck by a needle**
   b. **Being coughed or spit on**
   c. **Another way** (GOTO 3)
   d. DON'T KNOW

Programming note: if 2 = a, SKIP to 8
Programming note: if 2 = b or d, SKIP to 4

3) [If 2 = c] **Please describe how the exposure occurred.**

   _____

4) **What potentially harmful substance were you exposed to? Was it….?** (Please select all that apply) *(Read categories.)*

   a. **Blood**
   b. **Respiratory secretions**
   c. **Urine, feces, or other biological waste**
   d. **Another substance, including chemicals** (GOTO 5)
   e. DON'T KNOW

Programming note: if 4 = a, b, c, or e, SKIP to 6

5) [If 4 = d] **Please describe the other potentially harmful substance that you were exposed to.**

   _____

6) **I am going to read you a list of possible parts of your body that may have been exposed. As I read each body part, please tell me whether or not that part of your body was exposed.** (Please select all that apply) *(Read categories.)*

   a. **Eyes**

b. **Mouth or nose**
c. **Skin**
d. **Whole body**
e. **Some other part**
f. DON'T KNOW

Programming note: If 6 = e only or with any other response, GOTO 7
Programming note: If 6 NE e, SKIP to 8

7) [If 6 = e only or with any other response] **Please describe the parts of your body that were exposed.**

_____

8) **I am going to read you a list of activities. Please tell me whether or not you were doing any of these activities when your [IIE] occurred.**

	Yes	No
a) **Patient care**		
b) **Moving a patient**		
c) **Restraining a patient**		

Falls/Slips/Trips

1) **Did you fall off of or through something, like a weak floor or a hole, when your [IIE] occurred?**

   a. Yes
   b. No (GOTO 2)
   c. DON'T KNOW (GOTO 2)

Programming note: If 1 = a, SKIP to 3

2) **Did your [IIE] involve a slip, trip, stumble, or loss of balance?**

   a. Yes (GOTO 3)
   b. No (SKIP to 1 in Transportation)
   c. DON'T KNOW (SKIP to 1 in Transportation)

Programming note: If (1 = a or 2 = a) AND (1 (Overexertion and strains) = a), SKIP to 11

3) **I am now going to read you a list of activities. Please tell me whether or not you were doing any of these activities when your [IIE] occurred.**

	Yes	No
a) **Going up or down stairs, steps, or curb**		
b) **Getting into or out of a vehicle**		
c) **Turning a corner or negotiating a turn**		
d) **Walking on a rough or uneven surface such as an uneven floor or a steep bank**		
e) **Rushing to complete a task**		
f) **Walking or stepping on a surface that was not dry**		
g) **Transferring, carrying, or lifting a person**		
h) **Transferring, carrying, or lifting equipment**		
i) **Pushing, pulling, or dragging something**		

Programming note: If 3 = f only or with any other response, GOTO 4
Programming note: If (3 NE f) AND (3 = g only or with any other response), SKIP to 6
Programming note: If (3 NE f) AND (3 NE g) AND (3 = h only or with any other response), SKIP to 9
Programming note: If (3 NE f) AND (3 NE g) AND (3 NE h) AND (3 = i), SKIP to 10
Programming note: If (3 NE f) AND (3 NE g) AND (3 NE h) AND (3 NE i), SKIP to 11

4) [If 3 = f only or with any other response] **You told me that the surface you were walking on was not dry. What was on that surface?** *(Read categories.)*

   a. **Water**
   b. **Ice**
   c. **Snow**
   d. **Grease**

  e. **Another substance** (GOTO 5)

  f. DON'T KNOW

Programming note: If (4 NE e) AND (3 = g only or with any other response), SKIP to 6
Programming note: If (4 NE e) AND (3 NE g) AND (3 = h only or with any other response), SKIP to 9
Programming note: If (3 NE e) AND (3 NE g) AND (3 NE h) AND (3 = i), SKIP to 10
Programming note: If (3 NE e) AND (3 NE g) AND (3 NE h) AND (3 NE i), SKIP to 11

5) [If 4 = e] **Please describe what was on the surface when your [IIE] occurred.**

_____

Programming note: If 3 = g only or with any other response, SKIP to 6
Programming note: If (3 NE g) AND (3 = h only or with any other response), SKIP to 9
Programming note: If (3 NE g) AND (3 NE h) AND (3 = i), SKIP to 10
Programming note: If (3 NE g) AND (3 NE h) AND (3 NE i), SKIP to 11

6) [If 3 = g only or with any other response] **You told me that you were transferring, carrying, or lifting a person at the time of your [IIE]. Was that person overweight or obese?**

  a. Yes
  b. No
  c. DON'T KNOW

7) **Were there other persons assisting you with the transfer, carry, or lift?**

  a. Yes (GOTO 8)
  b. No
  c. DON'T KNOW

Programming note: If (3 = h) AND (7 = b or c), SKIP to 9
Programming note: If (3 NE h) AND (3 = i) AND (7 = b or c), SKIP to 10
Programming note: If (3 NE h) AND (3 NE i) AND (7 = b or c), SKIP to 11

8) [If 7 = a] **How many were assisting you?**

NumPersons _____

Programming note: If (3 NE h) AND (3 = i), SKIP to 10
Programming note: If (3 NE h) AND (3 NE i), SKIP to 11

9) [If 3 = h only or with any other response] **You told me that you were transferring, carrying, or lifting equipment at the time of your [IIE]. Please describe that equipment.**

_____

10) [If 3 = i only or with any other response] **You told me that you were pushing, pulling, or dragging something. Please describe what it was.**

_____

11) Was there an obstacle in your way when your [IIE] occurred?

    a.   Yes (GOTO 12)
    b.   No
    c.   DON'T KNOW

Programming note: If (4 (Incident Characteristics) = a) AND (11 = b or c), SKIP to 13
Programming note: If (4 (Incident Characteristics) NE a) AND (11 = b or c), SKIP to 1 in Transportation

12) [If 11 = a] **Please describe the obstacle.**

_____

Programming note: If 4 (Incident Characteristics) = a, GOTO 13
Programming note: If 4 (Incident Characteristics) NE a, SKIP to 1 in Transportation

13) Was your vision obscured by smoke?

    a.   Yes
    b.   No
    c.   Don't Know

Transportation
1) **A motor vehicle incident includes incidents where the vehicle that you were in swerved, stopped suddenly, or overturned. These incidents may involve a collision where the vehicle you were in was struck by another vehicle or struck an object, person, or animal. Motor vehicle incidents also include situations where a person is outside of a vehicle and is struck. Did your [IIE] involve a motor vehicle incident?**

   a. Yes (GOTO Instruct_10)
   b. No (SKIP to 1 in Violence)
   c. DON'T KNOW (SKIP to 1 in Violence)

Instruct_10. **I'm now going to ask you some additional questions about your motor vehicle incident. Some of these questions may duplicate previous questions but I must ask them as written.**

2) [If 1 = a] **I am going to read you a list of events that may have led to your [IIE]. As I read each one, please tell me whether or not the event contributed to your [IIE].** (Please select all that apply) *(Read categories.)*

   a. **The vehicle <u>you were in </u>struck another vehicle**
   b. **The vehicle <u>you were in </u>was struck by another vehicle**
   c. **The vehicle <u>you were in </u>struck a fixed object**
   d. **The vehicle <u>you were in </u>rolled over**
   e. **The vehicle <u>you were in </u>swerved or stopped suddenly** *(*Programming note: If 2 = a – e, SKIP 2f)*
   f. **You were not in a vehicle and you were struck**
   g. **Something else** (GOTO 3)

*Programming note: If 2 = a, b, c, d, or e, SKIP to 4
*Programming note: If 2 = f, SKIP to 8

3) [If 2 = g] **Please describe the incident.**

   _____

*Programming note: If 8c (Incident characteristics) = 1, GOTO 4
*Programming note: If 8c (Incident characteristics) NE 1, SKIP to 9

4) [If 8c (Incident characteristics) = 1] **Was anyone in the vehicle serving as incident commander when your [IIE] occurred?**

   a. Yes
   b. No
   c. DON'T KNOW

5) **Were you wearing a seatbelt when your [IIE] occurred?**

   a. Yes
   b. No (GOTO 6)

6) **Why were you not wearing a seatbelt? Was it because....?** *(Read categories.)*

   a. **You did not have time to put it on**
   b. **You could not buckle it due to bunker gear**
   c. **A seatbelt was not available**
   d. **You were in a position not designed for occupants**
   e. **You were providing patient care**
   f. **Another reason** (GOTO 7)
   g. DON'T KNOW

7) [If 6 = f] **Please tell me why you weren't wearing a seatbelt.**

   _____

8) [If 2 = f] **Please tell me what you were doing when you were struck by a vehicle.**

   _____

9) **Was an incident commander on scene when your [IIE] occurred?**

   a. Yes
   b. No
   c. DON'T KNOW

10) **Was a temporary traffic control pattern change made prior to your [IIE]?**

   a. Yes (GOTO 11)
   b. No

11) [If 10 = a] **Were there cones or other temporary barriers used to establish the traffic pattern?**

   a. Yes
   b. No

12) **I am going to read you a list of factors that may have contributed to your IIE. As I read each one, please tell me whether or not the factor contributed to your [IIE].** (Please select all that apply) *(Read categories.)*

   a. **Weather conditions**
   b. **Road conditions**
   c. **Lighting conditions**

     d. Problems with a vehicle

     e. Another factor

     f.   DON'T KNOW

Programming note: If 12 = a, GOTO 13
Programming note: If (12 NE a) and (12 = b), SKIP to 14
Programming note: If (12 NE a) AND (12 NE b) AND (12 = c), SKIP to 15
Programming note: If (12 NE a) AND (12 NE b) AND (12 NE c) AND (12 = d), SKIP to 16
Programming note: If (12 NE a) AND (12 NE b) AND (12 NE c) AND (12 NE d) AND (12 = e), SKIP to 17
Programming note: If 12 = f, SKIP to 1 in Violence

13) [If 12 = a] **Please describe the weather conditions.**

_____

Programming note: If 12 = b, GOTO 14
Programming note: If (12 NE b) AND (12 = c), SKIP to 15
Programming note: If (12 NE b) AND (12 NE c) AND (12 = d), SKIP to 16
Programming note: If (12 NE b) AND (12 NE c) AND (12 NE d) AND (12 = e), SKIP to 17
Programming note If 12 NE b, c, d, or e, SKIP to 1 in Violence

14) [If 12 = b] **Please describe the road conditions.**

_____

Programming note: If 12 = c, GOTO 15
Programming note: If (12 NE c) AND (12 = d), SKIP to 16
Programming note: If (12 NE c) AND (12 NE d) AND (12 = e), SKIP to 17
Programming note: If 12 NE c, d, or e, SKIP to 1 in Violence

15) [If 12 = c] **Please describe the lighting conditions.**

_____

Programming note: If 12 = d, GOTO 16
Programming note: If (12 NE d) and (12 = e), SKIP to 17
Programming note: If 12 NE d or e, SKIP to 1 in Violence

16) [If 12 = d] **Please describe the problems with the vehicle.**

_____

Programming note: if 12 NE e, SKIP to 1 in Violence

17) [If 12 = e] **Please describe the factors that contributed to the incident when your [IIE] occurred.**

_____

Violence

1) **Assault or violent incidents may include hitting, verbal assaults, and threats, even if harm was not intended. Did your [IIE] involve an assault or violent incident by a person?**

   a. Yes (GOTO Instruct_11)
   b. No (SKIP to 1 in Struck by Object)
   c. DON'T KNOW (SKIP to 1 in Struck by Object)

Instruct_11. **I'm now going to ask you some additional questions about the incident you were involved in when your [IIE] occurred.**

2) [If 1 = a] **Harm can be intended or unintended. Do you think the person intended to harm you?**

   a. Yes
   b. No
   c. DON'T KNOW

3) **Verbal assault includes abusive language, threats of violence or injury, and gestures. Did you experience a verbal assault?**

   d. Yes
   e. No
   f. DON'T KNOW

4) **Physical assault includes unwanted physical contact including slapping, hitting, pushing, or kicking. Did you experience physical assault?**

   a. Yes
   b. No
   c. DON'T KNOW

Programming note: If 3 = b AND 4 = b, GOTO to 5
Programming note: If 3 NE b OR 4 NE b, SKIP to 6

5) [If 3 = b AND 4 = b] **Please describe the assault or violence you experienced.**

   _____

6) **Were police present at the time of the incident?**

   a. Yes
   b. No (GOTO 7)
   c. DON'T KNOW

Programming note: If 6 = a or c, SKIP to 8

7) **Were police called when the incident occurred?**

a. Yes
b. No
c. DON'T KNOW

8) Was a police report made because of the incident?

a. Yes
b. No
c. DON'T KNOW

9) Was a weapon used by the person who assaulted you?

a. Yes (GOTO 9)
b. No
c. DON'T KNOW

Programming note: If 9 = b or c, SKIP to 11

10) [If 9 = a] **Please describe the weapon or weapons used.**

_____

11) Do you suspect the person who assaulted you was under the influence of alcohol?

a. Yes
b. No
c. DON'T KNOW

12) Was there more than one person who assaulted you?

a. Yes (GOTO 13)
b. No
c. DON'T KNOW

Programming note: If 12 = b or c, SKIP to 14

13) [If 12 = a] **How many?**

_____

14) The person who assaulted you may have been a patient, a family member of a patient or just a bystander. Please tell me who the person or persons were.

_____

15) Were you wearing a bullet proof vest when your [IIE] occurred?

a. Yes
b. No (GOTO 16)
c. DON'T KNOW

Programming note: If 15 = a or c, SKIP to 1 in Struck by object

16) **Was a bullet proof vest available to you?**

a. Yes
b. No
c. DON'T KNOW

Struck by object

1) **Injuries may be caused by getting struck or hit by an object, such as a tool, a piece of equipment, falling glass, debris, or other material. This does not include physical assaults by another person or incidents involving motor vehicles. Were you struck or hit by an object when your [IIE] occurred?**

    a. Yes (GOTO 2)
    b. No (SKIP to 1 in Contact w/objects)
    c. DON'T KNOW (SKIP to 1 in Contact w/objects)

2) [If 1 = a] **Please describe the object that you were struck or hit by.**

    _____

3) **Please describe the factors that contributed to your [IIE].**

    _____

Contact w/objects

1) **Injuries may also occur when you come into contact with an object. This includes stepping on a nail, running into a piece of furniture, or grabbing a hot or electrically charged object. Did your [IIE] involve contact with an object?**

    a. Yes (GOTO 2)
    b. No
    c. DON'T KNOW

Programming note: If (1 = b or c) AND ((1 in Overexertion = a) OR (1 in Exposure to heat = a) OR (1 in Exposure to potentially harmful substance = a) OR (1 in Falls/Slips/Trips = a) OR (1 in Transportation = a) OR (1 in Struck by Object = a)), SKIP to Instruct_12
Programming note: If (1 = b or c) AND ((1 in Violence = a, b, or c) AND (none of the other events were chosen), SKIP to Instruct_13
Programming note: If (1 = b or c) AND (none of the other events were chosen), SKIP to Instruct_13

2) [If 1 = a] **Please describe the object that you contacted when your [IIE] occurred.**

    _____

3) **Please describe the factors that contributed to your [IIE].**

    _____

Programming note: If 2h (Overexertion and strains) = 1 OR 3e (Falls/Slips/Trips) = 1, SKIP to Instruct_12

4) **When your [IIE] occurred, were you rushing to complete a task?**

    a. Yes
    b. No

    c.   DON'T KNOW

Personal Protective Equipment

Instruct_12. **Now I have some questions about any personal protective equipment or PPE you may have been using or wearing when your [IIE] occurred. Even though you have already described the incident, I do not want to overlook any important details.**

1) **Please tell me whether or not you were wearing any of the following PPE.**

	Yes	No
a) **Protective gown**		
b) **Goggles or safety glasses for medical care**		
c) **Surgical mask not for fires**		
d) **Latex or other type of disposable medical gloves**		
e) **Bunker coat**		
f) **Bunker pants**		
g) **Helmet**		
h) **Fire fighting gloves**		
i) **Extrication gloves**		
j) **Self-contained breathing apparatus or SCBA**		
k) **SCBA mask**		
l) **Protective hood**		
m) **Goggles or face shield for fire fighting or extrication purposes**		
n) **High-visibility vest**		
o) **Boots**		
p) **Brush suit or nomex**		
q) DON'T KNOW		

Programming note: If 1o = 1, GOTO 2
Programming note: If 1o NE 1 AND (Exposure to heat AND fire type = wildland), SKIP to 4
Programming note: If 1o NE 1 AND (fire type NE wildland) AND 1j = 1, SKIP to 5
Programming note: If 1o NE 1 AND (fire type NE wildland) AND 1j NE 1, SKIP to 9
Programming note: If 1q = 1, SKIP to Instruct_13

2) [If 1o = 1] **You told me that you were wearing boots. Did the boots fit?**

    a.   Yes
    b.   No (GOTO 3)

Programming note: If 1 = a AND (Exposure to heat AND fire type = wildland), SKIP to 4
Programming note: If 1 = a AND (fire type NE wildland) AND 1j = 1, SKIP to 5
Programming note: If (fire type NE wildland) AND 1j NE 1, SKIP to 9

3) **Were the boots too large?**

   a. Yes
   b. No

Programming note: If (Exposure to heat AND fire type = wildland), GOTO to 4
Programming note: If (fire type NE wildland) AND 1j = 1, SKIP to 5
Programming note: If (fire type NE wildland) AND 1j NE 1, SKIP to 8

4) **I understand that you were exposed to heat, flames, or smoke during a wildland fire. At the time of your [IIE], were you using a fire shelter?**

   a. Yes
   b. No

Programming note: If 1j = 1, GOTO 5
Programming note: If 1j NE 1, SKIP to 9

5) [If 1j = 1] **You told me that you were wearing an SCBA. Were you using the SCBA at the time your [IIE] occurred?**

   a. Yes
   b. No
   c. DON'T KNOW

6) **Was the SCBA inspected on a regular basis?**

   a. Yes
   b. No
   c. DON'T KNOW

7) **Was the SCBA equipped with an integrated personal alert safety system or PASS?**

   a. Yes
   b. No
   c. DON'T KNOW

Programming note: If 5 = a, GOTO 8
Programming note: if 5 = b or c, SKIP to 9

8) [If 5 = a] **Who was the manufacturer of the SCBA?**

   _____

Programming note: If 8c (Incident characteristics) = 1, SKIP to Instruct_13

9) **Did you need any PPE that was NOT available?**

a. Yes (GOTO 10)
b. No
c. DON'T KNOW

Programming note: If 9 = b or c, SKIP to 11

10) Please describe the PPE that you needed.

_____

11) Was the PPE that you were wearing appropriately donned?

a. Yes (GOTO 12)
b. No
c. DON'T KNOW

Programming note: If 11 = b or c, SKIP to 13

12) Please explain what PPE was not appropriately donned.

_____

13) Were there any problems with any of the PPE that you were wearing or using that may have contributed to your [IIE]?

a. Yes (GOTO 14)
b. No
c. DON'T KNOW

Programming note: If 13 = b or c, SKIP to Instruct_13

14) Please describe the problems.

_____

Injury/exposure outcome

Instruct_13. **I'm going to ask some questions about follow-up care and problems related to your [IIE] that you may have experienced after your visit to the ED.**

1) **After your ED visit, did you have any follow up care from a healthcare provider for your [IIE]?**

    a. Yes (GOTO 2)
    b. No
    c. DON'T KNOW

Programming note: If 1 = b or c, SKIP to 3

2) [If 1 = a] **Please describe your additional care after your ED visit, including the type of professional who performed the treatment and what type of treatment you received.**

    _____

3) **Have you returned to your fire fighting duties?**

    a. Yes
    b. No (GOTO 4)
    c. DON'T KNOW

Programming note: If 3 = a, SKIP to 6
Programming note: If 3 = c, SKIP to 9

4) [If 3 = b] **Why have you not returned? Is it because you....?** *(Read categories.)*

    a. **Are still recovering**
    b. **Were fired or let go**
    c. **Quit**
    d. **Haven't returned for another reason** (GOTO 5)
    e. DON'T KNOW

Programming note: If 4 = a, b, c, or e, SKIP to 9

5) [If 4 = d] **Please describe the reason you have not returned to your fire fighting duties.**

    _____

Programming note: If 4 = d, SKIP to 9

6) [If 3 = a] **After your [IIE], when did you feel well enough to return to your fire fighter duties?** *(Read categories.)*

    a. **The same day your [IIE] occurred**
    b. **The day following your [IIE] or your next scheduled workday**

    c.   **Within 2 days to one week**
    d.   **Within 2 to 4 weeks**
    e.   **More than 4 weeks**
    f.   DON'T KNOW

Programming note: If (3 = a) AND (6 = c, d, or e), GOTO 7
Programming note: If 6 = a, b, or e, SKIP to 9

7) [If (3 = a) AND (6 = c, d, or e)] **In the 7 days after your [IIE], how much did your [IIE] limit your ability to do normal fire fighting duties?** *(Read categories.)*

    a.   **Not at all**
    b.   **Very little**
    c.   **Somewhat**
    d.   **Quite a lot**

Programming note: If 1 (Exposure to a potentially harmful substance) = a, SKIP to 10

8) **Examples of normal activities that you may do at home include cooking, inside or outside chores, or child care. In the 7 days after your [IIE], how much did your [IIE] limit your ability to do normal activities at home?** *(Read categories.)*

    a.   **Not at all**
    b.   **Very little**
    c.   **Somewhat**
    d.   **Quite a lot**

9) **Some people will experience permanent disability, long-term pain, limited movement, or difficulties in participating in daily activities due to their [IIE]. As of today, do you continue to have any of these effects from your [IIE]?**

    a.   Yes (GOTO 10)
    b.   No
    c.   DON'T KNOW

Programming note: If 10 = b or c, SKIP to 11

10) [If 9 = b] **Please describe the affects you are experiencing as a result of your [IIE].**

_____

11) **What recommendation would you make to your fire department to prevent other fire fighters from experiencing an [IIE] like yours?**

_____

Employment questions

Instruct_14. **Now, I would like to ask you some specific questions about your job and your department.**

1) **What was your job title when your [IIE] occurred? Were you....?** *(Read categories.)*

   a. **A fire fighter recruit or a probationary member**
   b. **A fire fighter**
   c. **An officer** (GOTO 4)
   d. **Some other title**
   e. DON'T KNOW

Programming note: If 1 = a, b, or e, SKIP to 4
Programming note: If 1 = d, SKIP to 3

2) [If 1 = c] **Please specify the rank that you held.**

   _____

Programming note: If 1 = c, SKIP to 4

3) [If 1 = d] **Please describe your job title.**

   _____

4) **I am now going to read you a list of possible certifications that you may have. Please tell me whether or not you have any of the following.**

	Yes	No	
a) **Fire fighter I**			
b) **Fire fighter II**			
c) **Apparatus driver or operator**			
d) **Fire officer, any level**			
e) **Hazmat, any level**			
f) **Wildland fire fighter, any level**			
g) **Technical rescue, any type**			
h) **Paramedic**			
i) **EMT, any level**			
j) **Emergency medical responder**			
k) DON'T KNOW			

Programming note: If 2 (Screen) = a or b, GOTO to 5
Programming note: If 2 (Screen) NE a or b, SKIP to 6

5) [If 2 (Screen) = a or b] **In the past 12 months, about how many total hours of fire fighting training have you participated in?** (Unknown = 999)

NumTrainHours   _____

6) **In the past 12 months, have you participated in live fire training?**

    a. Yes
    b. No
    c. DON'T KNOW

7) **On average, how many working fire calls of any type do you run in a MONTH?** (Unknown = 999)

    NumFireCalls   _____

8) **On average, how many calls, other than working fire calls, do you run in a WEEK?** (Unknown = 999)

    NumNFireCalls   _____

9) **At the time of your [IIE], about how many years <u>total </u>had you worked, either as a volunteer or career fire fighter?** (Unknown = 99)

Years   _____
Months   _____

10) **When your [IIE] occurred, about how many years had you worked with the department you were with either as a volunteer or career fire fighter?** (Unknown = 99)

Years   _____
Months   _____

11) **When your [IIE] occurred, did the department have a procedure for reporting occupational injuries, illnesses, or exposures?**

    a. Yes
    b. No
    c. DON'T KNOW

12) **Did your department have a respirator fit-test program?**

    a. Yes
    b. No
    c. DON'T KNOW

Instruct_15. **For the next series of statements, please think about when your [IIE] occurred and the department that you were with. For each statement, do you strongly agree, slightly agree, neither agree nor disagree, slightly disagree, or strongly disagree.**

13) **Fire fighter personnel input was well received by your department.**

Interviewer: If the respondent hesitates, please re-read the categories below.

a. **Strongly agree**
b. **Slightly agree**
c. **Neither agree nor disagree**
d. **Slightly disagree**
e. **Strongly disagree**

14) Your department did a good job of training new personnel.

Interviewer: If the respondent hesitates, please re-read the categories below.

a. **Strongly agree**
b. **Slightly agree**
c. **Neither agree nor disagree**
d. **Slightly disagree**
e. **Strongly disagree**

15) Your department did a good job of providing periodic training to all personnel.

Interviewer: If the respondent hesitates, please re-read the categories below.

a. **Strongly agree**
b. **Slightly agree**
c. **Neither agree nor disagree**
d. **Slightly disagree**
e. **Strongly disagree**

16) The officers at your department supported your daily efforts.

Interviewer: If the respondent hesitates, please re-read the categories below.

a. **Strongly agree**
b. **Slightly agree**
c. **Neither agree nor disagree**
d. **Slightly disagree**
e. **Strongly disagree**

17) You received appropriate feedback about your performance.

Interviewer: If the respondent hesitates, please re-read the categories below.

a. **Strongly agree**
b. **Slightly agree**
c. **Neither agree nor disagree**
d. **Slightly disagree**
e. **Strongly disagree**

18) In your department, it was difficult to discuss errors.

Interviewer: If the respondent hesitates, please re-read the categories below.

    a. **Strongly agree**
    b. **Slightly agree**
    c. **Neither agree nor disagree**
    d. **Slightly disagree**
    e. **Strongly disagree**

19) Your department was a good place to work.

Interviewer: If the respondent hesitates, please re-read the categories below.

    a. **Strongly agree**
    b. **Slightly agree**
    c. **Neither agree nor disagree**
    d. **Slightly disagree**
    e. **Strongly disagree**

20) The culture at your department made it easy to learn from the errors of others.

Interviewer: If the respondent hesitates, please re-read the categories below.

    a. **Strongly agree**
    b. **Slightly agree**
    c. **Neither agree nor disagree**
    d. **Slightly disagree**
    e. **Strongly disagree**

21) At your department, it was difficult to speak up if you perceived a problem with safety.

Interviewer: If the respondent hesitates, please re-read the categories below.

    a. **Strongly agree**
    b. **Slightly agree**
    c. **Neither agree nor disagree**
    d. **Slightly disagree**
    e. **Strongly disagree**

22) Morale at your department was high.

Interviewer: If the respondent hesitates, please re-read the categories below.

    a. **Strongly agree**
    b. **Slightly agree**
    c. **Neither agree nor disagree**
    d. **Slightly disagree**
    e. **Strongly disagree**

23) You had the training to do your job safely.

Interviewer: If the respondent hesitates, please re-read the categories below.

   a. **Strongly agree**
   b. **Slightly agree**
   c. **Neither agree nor disagree**
   d. **Slightly disagree**
   e. **Strongly disagree**

24) At your department, personnel were hesitant to report errors due to fear of punishment.

Interviewer: If the respondent hesitates, please re-read the categories below.

   a. **Strongly agree**
   b. **Slightly agree**
   c. **Neither agree nor disagree**
   d. **Slightly disagree**
   e. **Strongly disagree**

Current health status and demographics
Instruct_16. **I'm now going to ask a few questions about yourself.**

1) **In what month and year were you born?**

Month (MM)   _____
Year (YYYY)   _____

2) **In the past 12 months, have you had any other injuries or exposures related to your duties as a fire fighter that required more than first aid treatment?**

   a. Yes
   b. No
   c. DON'T KNOW

3) **In the past 12 months, have you had a medical examination?**

Interviewer: If the respondent asks, please let the respondent know that any physical counts.

   a. Yes
   b. No
   c. DON'T KNOW
   d. REFUSED

4) **About how much do you weigh without shoes?** (Unknown = 999)

   Weight   _____

5) **About how tall are you without shoes?** (Unknown = 999)

Feet   _____
Inches   _____

6) **Please tell me which of the following best describes the highest level of education you completed.** *(Read categories.)*

   a. **Did not complete high school**
   b. **High school or GED**
   c. **Some college, including current college student**
   d. **College degree**
   e. **Graduate degree**
   f. **Other** (GOTO 7)
   g. DON'T KNOW

Programming note: If 6 = a, b, c, d, e, or g, END interview

7) [If 6 = f] **Please describe the highest level of education you completed.**

8) **Are you of Hispanic, Latino, or Spanish origin?**

Interviewer: If the respondent hesitates or says don't know, say the following: This includes people from, or descended from, Spain, Mexico, Puerto Rico, Cuba, The Dominican Republic, or from Central or South America. Hispanics or Latinos may be of any race.

    a. Yes
    b. No
    c. DON'T KNOW
    d. REFUSED

9) **Which of the following race or races describe you.** (Please select all that apply) *(Read categories.)*

    a. **White**
    b. **Black or African-American**
    c. **Asian**
    d. **Native American or Alaska Native**
    e. **Native Hawaiian or Pacific Islander**
    f. **Other**
    g. DON'T KNOW
    h. REFUSED

Thank you for your participation. We greatly appreciate your cooperation.
End interview