

NEISS Generator Questionnaire

Questionnaire # \_\_\_\_\_ (1-4)

Q.1 *General Instructions:*

**Bold type** *indicates what should be said to the respondent.*

*Instructions for the interviewer will be prefaced by "INTERVIEWER:" and is written in a non-bold type face.*

Q.2 INTERVIEWER: Please enter the Task Number

[REQUIRE ANSWER]

\_\_\_\_\_ (5-17)

Q.3 INTERVIEWER: Enter name of hospital the victim was treated at:

[REQUIRE ANSWER]

\_\_\_\_\_ (18-67)

Q.4 INTERVIEWER: If the injured person is under 18 years of age, ask for the parent or guardian.

Introduction

**Hello, may I speak with \_\_\_\_\_ ?**

**I am calling for the U.S. Consumer Product Safety Commission. I understand that you or someone in your household recently received an injury caused by a generator. We are presently performing a study on generator-related injuries and would like to ask you some questions about the incident.**

INTERVIEWER: Be prepared to answer questions with the following information:

- that the identity of the involved individuals will be kept confidential
- that the purpose of the study is to prevent future incidents and injuries associated with the use of generators

[REQUIRE ANSWER]

( 68 )

Q<sub>1</sub> Agree to participate

Q<sub>2</sub> Decline to participate

Q<sub>3</sub> No generator was involved

[A - IF THE ANSWER TO QUESTION 4 IS 2, THEN SKIP TO QUESTION 369]

[A - IF THE ANSWER TO QUESTION 4 IS 3, THEN SKIP TO QUESTION 12]

**Q.5 Are you familiar with the details of the incident?**

[REQUIRE ANSWER]

( 69 )

Q<sub>1</sub> Yes

Q<sub>2</sub> No

[A - IF THE ANSWER TO QUESTION 5 IS 1, THEN SKIP TO QUESTION 10]

**Q.6 Do you know of someone else who is more familiar with the details of the incident?**

[REQUIRE ANSWER]

( 70 )

Q<sub>1</sub> Yes

Q<sub>2</sub> No

[A - IF THE ANSWER TO QUESTION 6 IS 2, THEN SKIP TO QUESTION 369]

**Q.7 Could you tell me their name and phone number if different from this one.**

INTERVIEWER: Record name and phone number (if different).

[REQUIRE ANSWER]

( 71-100 )

[A - IF THE ANSWER TO QUESTION 6 IS 2, THEN SKIP TO QUESTION 369]

**Q.8 May I speak with him/her?**

[REQUIRE ANSWER]

( 101 )

Q<sub>1</sub> Yes

Q<sub>2</sub> No

[A - IF THE ANSWER TO QUESTION 8 IS 1, THEN SKIP TO QUESTION 10]

**Q.9 When would be a good time to contact him/her?**

[REQUIRE ANSWER]

---

(102-131)

[A - IF THE ANSWER TO QUESTION 8 IS 2, THEN SKIP TO QUESTION 369]

**Q.10 INTERVIEWER: Who is the respondent?**

[REQUIRE ANSWER]

(132)

q<sub>1</sub> Injured person

q<sub>2</sub> Parent or guardian of the injured person

q<sub>3</sub> Other (specify in next window)

[A - IF THE ANSWER TO QUESTION 10 IS NOT 3, THEN SKIP TO QUESTION 12]

**Q.11 INTERVIEWER: Identify "other" person.**

[REQUIRE ANSWER]

---

(133-172)

**Q.12 Could you describe the incident?**

[REQUIRE ANSWER]

(173-572)

---

[A - IF THE ANSWER TO QUESTION 4 IS 3, THEN SKIP TO QUESTION 369]

**Q.13 Was the injury involving the generator carbon monoxide poisoning, an electrical shock, a burn, or another type of injury?**

[REQUIRE ANSWER]

(573)

Q<sub>1</sub> Carbon monoxide poisoning

Q<sub>2</sub> Electrical shock

Q<sub>3</sub> Burn

Q<sub>4</sub> Other (specify next window)

Q<sub>5</sub> Don't know / Refuse

[A - IF THE ANSWER TO QUESTION 13 IS 1, THEN SKIP TO QUESTION 15]

[A - IF THE ANSWER TO QUESTION 13 IS 3, THEN SKIP TO QUESTION 16]

[A - IF THE ANSWER TO QUESTION 13 IS NOT 4, THEN SKIP TO QUESTION 16]

**Q.14 INTERVIEWER: Describe "other" injury.**

[REQUIRE ANSWER]

(574-623)

---

[A - IF THE ANSWER TO QUESTION 13 IS NOT 1, THEN SKIP TO QUESTION 17]

**Q.15 Was this carbon monoxide poisoning incident related to a fire?**

[REQUIRE ANSWER]

(624)

Q<sub>1</sub> Yes

Q<sub>2</sub> No

Q<sub>3</sub> Don't know / Refuse

[A - IF THE ANSWER TO QUESTION 13 IS NOT 3, THEN SKIP TO QUESTION 17]

Q.16 **Was this a burn from contacting the generator or its exhaust, or from a fire involving the generator?**

[REQUIRE ANSWER]

( 625)

Q<sub>1</sub> Contacting the generator or its exhaust

Q<sub>2</sub> Fire involving the generator

Q<sub>3</sub> Don't know / Refuse

Q.17 **Could you please tell me what happened just before, during and after the incident?**

[REQUIRE ANSWER]

\_\_\_\_\_ ( 626-1125)

Q.18 **How many victims total were injured and/or treated in this incident including yourself / the victim? Please only include members of your household or people visiting with you.**

INTERVIEWER: The maximum allowable number of victims for THIS survey is five (5). BUT, please enter the number that the respondent answered. The respondent will be asked about only five victims at this time. A follow-up call may be made for an incident that involved more than five injuries.

Enter "99" for "don't know" or refusal.

[REQUIRE ANSWER]

..... \_\_\_\_\_ ( 1126-1127)

Q.19 **Were there any fatalities associated with this incident?**

INTERVIEWER: If "No" enter "0" (zero), otherwise enter the number of fatalities. Enter "99" for "don't know" or refuse.

[REQUIRE ANSWER]

..... \_\_\_\_\_ ( 1128-1129)

[A - IF THE ANSWER TO QUESTION 18 IS 1, THEN SKIP TO QUESTION 22]

**Q.20 Did all of the surviving victims go to the same hospital?**

[REQUIRE ANSWER]

(1130)

Q<sub>1</sub> Yes

Q<sub>2</sub> No

Q<sub>3</sub> Don't know / Refuse

[A - IF THE ANSWER TO QUESTION 20 IS NOT 2, THEN SKIP TO QUESTION 22]

**Q.21 What hospitals did the other victims go to?**

[REQUIRE ANSWER]

---

(1131-1230)

**Q.22 What was the reason for using the generator?**

INTERVIEWER: Please select response from the list below that *best* characterizes the answer given. If "other", please fill in any details in the following screen.

[REQUIRE ANSWER]

(1231)

Q<sub>1</sub> Weather related power outage (ice / snow)

Q<sub>2</sub> Weather related power outage (rain / wind / other)

Q<sub>3</sub> Power needed for construction or renovation

Q<sub>4</sub> Power needed in a location without electricity, for example a shed or garage

Q<sub>5</sub> Power not yet turned on by power company at new residence

Q<sub>6</sub> Power turned off by power company due to billing dispute or other reason

Q<sub>7</sub> Other

[A - IF THE ANSWER TO QUESTION 22 IS NOT 7, THEN SKIP TO QUESTION 24]

Q.23 INTERVIEWER: Enter details about the reason for using the generator:

[REQUIRE ANSWER]

(1232-1431)

Q.24 **Where was the generator located at the time of the incident?**

INTERVIEWER: Please select the choice that best fits the situation. If different from items 1 through 17 choose "**18 - none of the above**" and asks for specifics (on the next page).

[REQUIRE ANSWER]

(1432-1433)

- Q<sub>01</sub> the living space of a single family, detached home
- Q<sub>02</sub> the basement of a single family, detached home
- Q<sub>03</sub> the living space of a town house / row house / duplex (attached home)
- Q<sub>04</sub> the basement of a town house / row house / duplex (attached home)
- Q<sub>05</sub> apartment in apartment building
- Q<sub>06</sub> trailer home
- Q<sub>07</sub> RV
- Q<sub>08</sub> boat
- Q<sub>09</sub> tent
- Q<sub>10</sub> attached garage
- Q<sub>11</sub> detached garage
- Q<sub>12</sub> crawlspace
- Q<sub>13</sub> carport
- Q<sub>14</sub> enclosed porch (sealed from the environment - for example, glassed-in porch)
- Q<sub>15</sub> partially enclosed porch (a screened-in porch with some type of weather-proof roof)
- Q<sub>16</sub> shed
- Q<sub>17</sub> outside (not inside any structure)
- Q<sub>18</sub> none of the above / other
- Q<sub>19</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 24 IS NOT 18, THEN SKIP TO QUESTION 26]

Q.25 **Could you describe the location of the generator at the time of the incident?**

[REQUIRE ANSWER]

---

(1434-1583)

[A - IF THE ANSWER TO QUESTION 24 IS 19, THEN SKIP TO QUESTION 27]

Q.26 **Was there any reason that the generator was located where it was?**

[REQUIRE ANSWER]

---

(1584-1783)

Q.27 **What was the generator being used to power?**

[REQUIRE ANSWER]

---

(1784-1983)

[A - IF THE ANSWER TO QUESTION 18 IS 1 OR 99, THEN SKIP TO QUESTION 30]

Q.28 INTERVIEWER, say: **"The next questions deal with information about the [ANSWER TO Q. 18] victims of the generator incident. I want to remind you that this information will be used for statistical purposes only. I will not ask you the names of the individuals, and your answers will be kept completely confidential."**

Q.29 **The following information is about the first victim who we will refer to as "Victim A".**

INTERVIEWER: This should be the victim whose name appears on the NEISS report. Identify them by name to the respondent.

[A - IF THE ANSWER TO QUESTION 18 IS NOT 1 OR 99, THEN SKIP TO QUESTION 32]



Q.30 INTERVIEWER, say: "The next questions deal with information about the victim of the generator incident. I want to remind you that this information will be used for statistical purposes only. I will not ask you the names of the individuals, and your answers will be kept completely confidential."

Q.31 The following information is about the victim who we will refer to as "Victim A".

INTERVIEWER: This should be the victim whose name appears on the NEISS report. Identify them by name to the respondent.

Q.32 What was Victim A's age at the time of the incident?

INTERVIEWER: Enter age in years if two years old or older. For a child under two years of age, enter 2 digit months preceded by "2". For example, 3 months old would be "203"; 18 months old would be "218". Enter "999" for "Don't know / Refuse".

[REQUIRE ANSWER]

..... (1984-1986)

Q.33 Is Victim A male or female?

[REQUIRE ANSWER]

(1987)

Q<sub>1</sub> Male

Q<sub>2</sub> Female

Q<sub>3</sub> Don't Know / Refuse

Q.34 What is your relationship to Victim A?

INTERVIEWER: Enter "Self" if the respondent is "Victim A".

[REQUIRE ANSWER]

\_\_\_\_\_ (1988-2007)

Q.35 Did the injury to Victim A occur while the victim was outside or within some type of structure?

[REQUIRE ANSWER]

(2008)

- Q<sub>1</sub> Outside
- Q<sub>2</sub> Inside
- Q<sub>3</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 35 IS NOT 2, THEN SKIP TO QUESTION 48]

**Q.36 I would like to read you a list, would you select the one that best describes the structure where victim was located:**

INTERVIEWER: Please read list through #16

[REQUIRE ANSWER]

(2009-2010)

- Q<sub>01</sub> the living space of a single family, detached home
- Q<sub>02</sub> the basement of a single family, detached home
- Q<sub>03</sub> the living space of a town house / row house / duplex (attached home)
- Q<sub>04</sub> the basement of a town house / row house / duplex (attached home)
- Q<sub>05</sub> apartment in apartment building
- Q<sub>06</sub> trailer home
- Q<sub>07</sub> RV
- Q<sub>08</sub> boat
- Q<sub>09</sub> tent
- Q<sub>10</sub> attached garage
- Q<sub>11</sub> detached garage
- Q<sub>12</sub> crawlspace
- Q<sub>13</sub> carport
- Q<sub>14</sub> enclosed porch (sealed from the environment - for example, glassed-in porch)
- Q<sub>15</sub> partially enclosed porch (a screened-in porch with some type of weather-proof roof)
- Q<sub>16</sub> shed
- Q<sub>17</sub> none of the above
- Q<sub>18</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 36 IS NOT 17, THEN SKIP TO QUESTION 38]

**Q.37 Can you describe the location of the victim at time of the injury?**

[REQUIRE ANSWER]

---

(2011-2160)

[A - IF THE ANSWER TO QUESTION 13 IS NOT 1, THEN SKIP TO QUESTION 68]

Q.38 INTERVIEWER: The next set of questions is for victims of CARBON MONOXIDE injuries.

**Where was Victim A located in the structure at the time of the incident? Please specify what floor level and room that the victim was located in if known.**

[REQUIRE ANSWER]

\_\_\_\_\_ (2161-2260)

Q.39 **Can you tell me about how long was the victim exposed to the CO?**

INTERVIEWER: Please express this time in hours or fractional hours. For example, 90 minutes = 1.5 hours; 15 minutes = 0.25 hours. Please enter "99" if the respondent states that they do not know or refuse to answer.

[REQUIRE ANSWER]

..... \_\_\_\_\_ (2261-2268)

Q.40 **At Victim A's location at the time of the incident, were one or more windows open?**

[REQUIRE ANSWER]

(2269)

Q<sub>1</sub> Yes

Q<sub>2</sub> No

Q<sub>3</sub> Structure has no windows

Q<sub>4</sub> Don't Know

[A - IF THE ANSWER TO QUESTION 40 IS NOT 1, THEN SKIP TO QUESTION 44]

Q.41 **How many windows?**

INTERVIEWER: Enter "99" for "Do not know" or refusal.

[REQUIRE ANSWER]

..... \_\_\_\_\_ (2270-2271)

[A - IF THE ANSWER TO QUESTION 41 IS NOT 1, THEN SKIP TO QUESTION 43]

**Q.42 From the following list, how open would you say the window at the victim's location was at the time of the incident?**

INTERVIEWER: please read list to respondent.

[REQUIRE ANSWER]

( 2272 )

- Q<sub>1</sub> wide open
- Q<sub>2</sub> partially open
- Q<sub>3</sub> open just a crack
- Q<sub>4</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 41 IS 1 OR 99, THEN SKIP TO QUESTION 44]

**Q.43 From the following list, could you tell me which best describes the window situation at the location of the victim at the time of the incident?**

[REQUIRE ANSWER]

( 2273 )

- Q<sub>1</sub> All the open windows were wide open
- Q<sub>2</sub> One or more of the open windows were wide open, others were only partially open
- Q<sub>3</sub> One or more of the open windows were wide open, others were open only a crack
- Q<sub>4</sub> All the open windows were partially open
- Q<sub>5</sub> One or more of the open windows were partially open, others were open only a crack
- Q<sub>6</sub> All the open windows were open only a crack
- Q<sub>7</sub> Don't Know / Refuse

**Q.44 At the time of the incident, was there a door open to the outside at Victim A's location?**

[REQUIRE ANSWER]

( 2274 )

- Q<sub>1</sub> Yes
- Q<sub>2</sub> No
- Q<sub>3</sub> Structure has no door
- Q<sub>4</sub> Don't Know

[A - IF THE ANSWER TO QUESTION 44 IS NOT 1, THEN SKIP TO QUESTION 46]

Q.45 **How open would you say the door was?**

[REQUIRE ANSWER]

( 2275 )

Q<sub>1</sub> wide open

Q<sub>2</sub> partially open

Q<sub>3</sub> open just a crack

Q<sub>4</sub> Don't Know / Refuse

Q.46 **Was there any other type of ventilation at Victim A's location such as a fan running or an air conditioner?**

[REQUIRE ANSWER]

( 2276 )

Q<sub>1</sub> Yes

Q<sub>2</sub> No

Q<sub>3</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 46 IS NOT 1, THEN SKIP TO QUESTION 48]

Q.47 **What other type of ventilation was used at Victim A's location?**

[REQUIRE ANSWER]

( 2277 - 2376 )

Q.48 **Can you tell me about the general health status of Victim A at time of incident? Please identify any drugs/medications/alcohol being taken at the time of incident.**

[REQUIRE ANSWER]

( 2377 - 2576 )

[A - IF THE ANSWER TO QUESTION 13 IS NOT 1, THEN SKIP TO QUESTION 54]

Q.49 **Is Victim A currently a smoker?**

[REQUIRE ANSWER]

( 2577 )

Q<sub>1</sub> Yes

- Q<sub>2</sub> No
- Q<sub>3</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 49 IS NOT 1, THEN SKIP TO QUESTION 52]

**Q.50 What type of product does Victim A primarily smoke - Cigarettes, Cigars or Pipes?**

[REQUIRE ANSWER]

- ( 2578 )
- Q<sub>1</sub> Cigarettes
- Q<sub>2</sub> Cigars
- Q<sub>3</sub> Pipes
- Q<sub>4</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 50 IS 4, THEN SKIP TO QUESTION 52]

**Q.51 How many [ANSWER TO Q. 50] would you say Victim A smoke per day?**

INTERVIEWER: Enter "99" for "Do not know" or refusal to answer.

[REQUIRE ANSWER]

..... \_\_\_\_\_ ( 2579-2580 )

**Q.52 Returning to the carbon monoxide exposure, could you please describe Victim A's symptoms?**

[REQUIRE ANSWER]

\_\_\_\_\_ ( 2581-2780 )

Q.53 **[ANSWER TO Q. 52]**

INTERVIEWER: Check all that apply from description above – for those not checked ask respondent if they know if Victim A experienced any of the other specific symptoms:

INTERVIEWER: Hit **Enter**" after each choice. Hit **Enter**" again of click **Next**" to move on to the next question. Please note that unselected choices are **iBOLD**, selected choices are innon-BOLD.

[REQUIRE ANSWER]

( 2781-2798 )

- Q<sub>01</sub> None
- Q<sub>02</sub> Headache
- Q<sub>03</sub> Fatigue
- Q<sub>04</sub> Sleepy
- Q<sub>05</sub> Disorientation
- Q<sub>06</sub> Nausea
- Q<sub>07</sub> Vomiting
- Q<sub>08</sub> Chest Pains
- Q<sub>09</sub> Shortness of Breath
- Q<sub>10</sub> Loss of Consciousness
- Q<sub>11</sub> Don't know / Refuse

Q.54 Were emergency personnel called to the scene or did the victim arrive at the Emergency Room by personal vehicle?

[REQUIRE ANSWER]

( 2799 )

- Q<sub>1</sub> Emergency Responders arrived at the scene
- Q<sub>2</sub> By personal vehicle
- Q<sub>3</sub> Other / Don't know / Refuse

[A - IF THE ANSWER TO QUESTION 54 IS NOT 1, THEN SKIP TO QUESTION 60]

[A - IF THE ANSWER TO QUESTION 13 IS NOT 1, THEN SKIP TO QUESTION 56]

Q.55 **Do you know if the emergency responders took CO measurements at the scene? If so, do you know what the readings were? These are usually expressed in parts per million (ppm).**

INTERVIEWER: Enter numeric value if the respondent knows the measurement. Enter "9999" if they don't know or refuse to answer the question.

[REQUIRE ANSWER]

..... \_\_\_\_\_ ( 2800-2803 )

**Q.56 Did Victim A receive treatment at the scene?**

[REQUIRE ANSWER]

( 2804 )

Q<sub>1</sub> Yes

Q<sub>2</sub> No

Q<sub>3</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 56 IS NOT 1, THEN SKIP TO QUESTION 58]

**Q.57 Please describe the treatment Victim A received at the scene and who treated the victim.**

[REQUIRE ANSWER]

( 2805-3004 )

**Q.58 Was treatment received en route to Emergency Room?**

[REQUIRE ANSWER]

( 3005 )

Q<sub>1</sub> Yes

Q<sub>2</sub> No

Q<sub>3</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 58 IS NOT 1, THEN SKIP TO QUESTION 60]



Q.59 **Please describe the treatment Victim A received en route to the Emergency Room and who treated the victim.**

[REQUIRE ANSWER]

( 3006-3205 )

Q.60 **Was treatment received at Emergency Room?**

[REQUIRE ANSWER]

( 3206 )

Q<sub>1</sub> Yes

Q<sub>2</sub> No

Q<sub>3</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 60 IS NOT 1, THEN SKIP TO QUESTION 64]

[A - IF THE ANSWER TO QUESTION 13 IS NOT 1, THEN SKIP TO QUESTION 66]

Q.61 **Was oxygen given by face mask to Victim A? This may have been referred to as "100% normobaric oxygen" or "NBO".**

[REQUIRE ANSWER]

( 3207 )

Q<sub>1</sub> Yes

Q<sub>2</sub> No

Q<sub>3</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 61 IS NOT 1, THEN SKIP TO QUESTION 63]

Q.62 **How long was the victim given oxygen?**

INTERVIEWER: Please enter as hours and/or fractions of hours. Enter 99 for don't know/refused.

[REQUIRE ANSWER]

..... ( 3208-3212 )

Q.63 **Did Victim A receive treatment in a hyperbaric chamber? This may have been referred to as "hyperbaric oxygen" or "HBO".**

[REQUIRE ANSWER]

( 3213 )

- Q<sub>1</sub> Yes
- Q<sub>2</sub> No
- Q<sub>3</sub> Don't Know / Refuse

Q.64 **Was a blood CO level, or carboxyhemoglobin (COHb) level, taken for Victim A?**

[REQUIRE ANSWER]

( 3214 )

- Q<sub>1</sub> Yes
- Q<sub>2</sub> No
- Q<sub>3</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 64 IS NOT 1, THEN SKIP TO QUESTION 66]

Q.65 **What was the level? This number is usually expressed as a percentage.**

INTERVIEWER: Please enter "999" if they respondent doesn't know or refuses to answer. Do not include the percent sign (%).

[REQUIRE ANSWER]

..... \_\_\_\_\_ ( 3215-3217 )

Q.66 **Was any further treatment recommended by the hospital staff or sought by the victim after they were discharged?**

[REQUIRE ANSWER]

( 3218 )

- Q<sub>1</sub> Yes
- Q<sub>2</sub> No
- Q<sub>3</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 66 IS NOT 1, THEN SKIP TO QUESTION 84]

Q.67 **What treatment was recommended?**

[REQUIRE ANSWER]

( 3219-3418 )

---

[A - IF THE ANSWER TO QUESTION 13 IS NOT 3, THEN SKIP TO QUESTION 76]

Q.68 INTERVIEWER: The next set of questions is for victims of FIRE or CONTACT BURN-related injuries.

**What was the Victim A doing when the burn was sustained?**

[REQUIRE ANSWER]

( 3419 )

Q<sub>1</sub> Refilling tank

Q<sub>2</sub> Passing by generator

Q<sub>3</sub> Other

Q<sub>4</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 68 IS NOT 3, THEN SKIP TO QUESTION 70]

Q.69 **Can you describe what the victim was doing?**

[REQUIRE ANSWER]

( 3420-3569 )

---

Q.70 **For Victim A, what body part was burned?**

[REQUIRE ANSWER]

( 3570-3719 )

**Q.71 How large was the overall burn area?**

INTERVIEWER: Please enter answer as either % of skin surface / L x W in inches; Enter "Do not known" if unknown or refusal.

[REQUIRE ANSWER]

---

( 3720-3769 )

**Q.72 What was the most severe level of burn: 1st Degree burn (reddening), 2nd Degree burn (blistering) or 3rd Degree burn (full skin thickness burn)?**

[REQUIRE ANSWER]

( 3770 )

- Q<sub>1</sub> 1st Degree Burn
- Q<sub>2</sub> 2nd Degree Burn
- Q<sub>3</sub> 3rd Degree Burn
- Q<sub>4</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 72 IS 4, THEN SKIP TO QUESTION 74]

**Q.73 About what fraction of the total burn area was a [ANSWER TO Q. 72] - One quarter, One half, Three Quarters, or Whole burn area?**

[REQUIRE ANSWER]

( 3771 )

- Q<sub>1</sub> 1/4 of burn area
- Q<sub>2</sub> 1/2 of burn area
- Q<sub>3</sub> 3/4 of burn area
- Q<sub>4</sub> whole burn area
- Q<sub>5</sub> Don't Know / Refuse

**Q.74 Which of the following best describes how Victim A medically treated?**

INTERVIEWER: Please read to respondent and check one.

[REQUIRE ANSWER]

( 3772 )

- Q<sub>1</sub> treated and released
- Q<sub>2</sub> admitted to hospital
- Q<sub>3</sub> transferred to burn unit

Q<sub>4</sub> Don't Know / Refuse

Q.75 **How was the burn treated? (e.g. bandages and topical antibiotics; skin graft; etc.)**

[REQUIRE ANSWER]

( 3773-3872 )

[A - IF THE ANSWER TO QUESTION 13 IS NOT 2, THEN SKIP TO QUESTION 84]

Q.76 INTERVIEWER: The next set of questions is for victims of ELECTRICAL SHOCK injuries.

**Where did the electricity enter and exit Victim A's body (what body part)?**

[REQUIRE ANSWER]

( 3873-4022 )

Q.77 **What did Victim A touch or contact when he/she was shocked?**

INTERVIEWER: please check one

[REQUIRE ANSWER]

( 4023 )

- Q<sub>1</sub> The generator itself
- Q<sub>2</sub> Extension cord connected to the generator
- Q<sub>3</sub> Appliance being powered by generator
- Q<sub>4</sub> Other
- Q<sub>5</sub> Don't know / Refuse

[A - IF THE ANSWER TO QUESTION 77 IS NOT 4, THEN SKIP TO QUESTION 79]

**Q.78 Could you please describe the contact source in detail?**

[REQUIRE ANSWER]

(4024-4173)

**Q.79 Please describe the situation when the electric shock took place. For example, was the victim standing in puddle; plugging in an appliance; did the victim have shoes on; etc.**

[REQUIRE ANSWER]

(4174-4373)

**Q.80 What were the weather conditions?**

[REQUIRE ANSWER]

(4374-4473)

**Q.81 Can you describe Victim A's injury severity?**

[REQUIRE ANSWER]

(4474-4673)

**Q.82 Who rescued the victim?**

[REQUIRE ANSWER]

(4674-4723)

Q.83 **What medical treatment was given to Victim A?**

[REQUIRE ANSWER]

( 4724-4873 )

Q.84 **How long was the victim in the hospital?**

INTERVIEWER: Enter answer in DAYS. If "treated and released" the same day enter "0". If unknown or refusal to answer enter "999".

[REQUIRE ANSWER]

..... \_\_\_\_\_ ( 4874-4876 )

Q.85 **What is the current status and prognosis for Victim A?**

[REQUIRE ANSWER]

( 4877-5076 )

[A - IF THE ANSWER TO QUESTION 18 IS 1 OR 99, THEN SKIP TO QUESTION 298]

Q.86 **The following information is about the second victim who we will refer to as "Victim B". This can be any one of the victims, I would just ask you to keep this person in mind when answering the following questions.**

Q.87 **What was Victim B's age at the time of the incident?**

INTERVIEWER: Enter age in years if two years old or older. For a child under two years of age, enter 2 digit months preceded by "2". For example, 3 months old would be "203"; 18 months old would be "218". Enter "999" for "Don't know / Refuse".

[REQUIRE ANSWER]

..... \_\_\_\_\_ ( 5077-5079 )

**Q.88 Is Victim B male or female?**

[REQUIRE ANSWER]

( 5080 )

Q<sub>1</sub> Male

Q<sub>2</sub> Female

Q<sub>3</sub> Don't Know / Refuse

**Q.89 What is your relationship to Victim B?**

INTERVIEWER: Enter "Self" if the respondent is "Victim B".

[REQUIRE ANSWER]

---

( 5081-5100 )

**Q.90 Did the injury to Victim B occur while the victim was outside or within some type of structure?**

[REQUIRE ANSWER]

( 5101 )

Q<sub>1</sub> Outside

Q<sub>2</sub> Inside

Q<sub>3</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 90 IS NOT 2, THEN SKIP TO QUESTION 103]



Q.91 **I would like to read you a list, would you select the one that best describes the structure where victim was located:**

INTERVIEWER: Please read list through #16

[REQUIRE ANSWER]

( 5102-5103 )

- Q 01 the living space of a single family, detached home
- Q 02 the basement of a single family, detached home
- Q 03 the living space of a town house / row house / duplex (attached home)
- Q 04 the basement of a town house / row house / duplex (attached home)
- Q 05 apartment in apartment building
- Q 06 trailer home
- Q 07 RV
- Q 08 boat
- Q 09 tent
- Q 10 attached garage
- Q 11 detached garage
- Q 12 crawlspace
- Q 13 carport
- Q 14 enclosed porch (sealed from the environment - for example, glassed-in porch)
- Q 15 partially enclosed porch (a screened-in porch with some type of weather-proof roof)
- Q 16 shed
- Q 17 none of the above
- Q 18 Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 91 IS NOT 17, THEN SKIP TO QUESTION 93]

Q.92 **Can you describe the location of the victim at time of the injury?**

[REQUIRE ANSWER]

---

( 5104-5253 )

[A - IF THE ANSWER TO QUESTION 13 IS NOT 1, THEN SKIP TO QUESTION 121]

Q.93 INTERVIEWER: The next set of questions is for victims of CARBON MONOXIDE injuries.

**Where was Victim B located in the structure at the time of the incident? Please specify what floor level and room that the victim was located in if known.**

[REQUIRE ANSWER]

..... \_\_\_\_\_ ( 5254-5353 )

Q.94 **Can you tell me about how long was the victim exposed to the CO?**

INTERVIEWER: Please express this time in hours or fractional hours. For example, 90 minutes = 1.5 hours; 15 minutes = 0.25 hours. Please enter "99" if the respondent states that they do not know or refuse to answer.

[REQUIRE ANSWER]

..... \_\_\_\_\_ ( 5354-5361 )

Q.95 **At Victim B's location at the time of the incident, were one or more windows open?**

[REQUIRE ANSWER]

( 5362 )

Q<sub>1</sub> Yes

Q<sub>2</sub> No

Q<sub>3</sub> Structure has no windows

Q<sub>4</sub> Don't Know

[A - IF THE ANSWER TO QUESTION 95 IS NOT 1, THEN SKIP TO QUESTION 99]

Q.96 **How many windows?**

INTERVIEWER: Enter "99" for "Do not know" or refusal.

[REQUIRE ANSWER]

..... \_\_\_\_\_ ( 5363-5364 )

[A - IF THE ANSWER TO QUESTION 96 IS NOT 1, THEN SKIP TO QUESTION 98]

**Q.97 From the following list, how open would you say the window at the victim's location was at the time of the incident?**

INTERVIEWER: please read list to respondent.

[REQUIRE ANSWER]

( 5365 )

- Q<sub>1</sub> wide open
- Q<sub>2</sub> partially open
- Q<sub>3</sub> open just a crack
- Q<sub>4</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 96 IS 1 OR 99, THEN SKIP TO QUESTION 99]

**Q.98 From the following list, could you tell me which best describes the window situation at the location of the victim at the time of the incident?**

[REQUIRE ANSWER]

( 5366 )

- Q<sub>1</sub> All the open windows were wide open
- Q<sub>2</sub> One or more of the open windows were wide open, others were only partially open
- Q<sub>3</sub> One or more of the open windows were wide open, others were open only a crack
- Q<sub>4</sub> All the open windows were partially open
- Q<sub>5</sub> One or more of the open windows were partially open, others were open only a crack
- Q<sub>6</sub> All the open windows were open only a crack
- Q<sub>7</sub> Don't Know / Refuse

**Q.99 At the time of the incident, was there a door open to the outside at Victim B's location?**

[REQUIRE ANSWER]

( 5367 )

- Q<sub>1</sub> Yes
- Q<sub>2</sub> No
- Q<sub>3</sub> Structure has no door
- Q<sub>4</sub> Don't Know

[A - IF THE ANSWER TO QUESTION 99 IS NOT 1, THEN SKIP TO QUESTION 101]

Q.100 **How open would you say the door was?**

[REQUIRE ANSWER]

( 5368 )

Q<sub>1</sub> wide open

Q<sub>2</sub> partially open

Q<sub>3</sub> open just a crack

Q<sub>4</sub> Don't Know / Refuse

Q.101 **Was there any other type of ventilation at Victim B's location such as a fan running or an air conditioner?**

[REQUIRE ANSWER]

( 5369 )

Q<sub>1</sub> Yes

Q<sub>2</sub> No

Q<sub>3</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 101 IS NOT 1, THEN SKIP TO QUESTION 103]

Q.102 **What other type of ventilation was used at Victim B's location?**

[REQUIRE ANSWER]

\_\_\_\_\_ ( 5370-5469 )

Q.103 **Can you tell me about the general health status of Victim B at time of incident? Please identify any drugs/medications/alcohol being taken at the time of incident.**

[REQUIRE ANSWER]

\_\_\_\_\_ ( 5470-5669 )

[A - IF THE ANSWER TO QUESTION 103 IS NOT 1, THEN SKIP TO QUESTION 109]

Q.104 **Is Victim B currently a smoker?**

[REQUIRE ANSWER]

( 5670 )

- Q<sub>1</sub> Yes
- Q<sub>2</sub> No
- Q<sub>3</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 104 IS NOT 1, THEN SKIP TO QUESTION 107]

**Q.105 What type of product does Victim B primarily smoke - Cigarettes, Cigars or Pipes?**

[REQUIRE ANSWER]

- (5671)
- Q<sub>1</sub> Cigarettes
  - Q<sub>2</sub> Cigars
  - Q<sub>3</sub> Pipes
  - Q<sub>4</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 105 IS 4, THEN SKIP TO QUESTION 107]

**Q.106 How many [ANSWER TO Q. 105] would you say Victim B smoke per day?**

INTERVIEWER: Enter "99" for "Do not know" or refusal to answer.

[REQUIRE ANSWER]

..... \_\_\_\_\_ (5672-5673)

**Q.107 Returning to the carbon monoxide exposure, could you please describe Victim B's symptoms?**

[REQUIRE ANSWER]

\_\_\_\_\_  
(5674-5873)

Q.108 **[ANSWER TO Q. 107]**

INTERVIEWER: Check all that apply from description above – for those not checked ask respondent if they know if Victim B experienced any of the other specific symptoms:

INTERVIEWER: Hit **Enter**" after each choice. Hit **Enter**" again or click **Next**" to move on to the next question. Please note that unselected choices are **iBOLD**, selected choices are innon-BOLD.

[REQUIRE ANSWER]

( 5874-5891 )

- Q<sub>01</sub> None
- Q<sub>02</sub> Headache
- Q<sub>03</sub> Fatigue
- Q<sub>04</sub> Sleepy
- Q<sub>05</sub> Disorientation
- Q<sub>06</sub> Nausea
- Q<sub>07</sub> Vomiting
- Q<sub>08</sub> Chest Pains
- Q<sub>09</sub> Shortness of Breath
- Q<sub>10</sub> Loss of Consciousness
- Q<sub>11</sub> Don't know / Refuse

Q.109 **Did Victim B receive treatment at the scene?**

[REQUIRE ANSWER]

( 5892 )

- Q<sub>1</sub> Yes
- Q<sub>2</sub> No
- Q<sub>3</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 109 IS NOT 1, THEN SKIP TO QUESTION 111]

Q.110 **Please describe the treatment Victim B received at the scene and who treated the victim.**

[REQUIRE ANSWER]

( 5893-6092 )

Q.111 **Was treatment received en route to Emergency Room?**

[REQUIRE ANSWER]

( 6093 )

Q<sub>1</sub> Yes

Q<sub>2</sub> No

Q<sub>3</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 111 IS NOT 1, THEN SKIP TO QUESTION 113]

Q.112 **Please describe the treatment Victim B received en route to the Emergency Room and who treated the victim.**

[REQUIRE ANSWER]

( 6094-6293 )

Q.113 **Was treatment received at Emergency Room?**

[REQUIRE ANSWER]

( 6294 )

Q<sub>1</sub> Yes

Q<sub>2</sub> No

Q<sub>3</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 113 IS NOT 1, THEN SKIP TO QUESTION 117]

[A - IF THE ANSWER TO QUESTION 13 IS NOT 1, THEN SKIP TO QUESTION 119]

Q.114 **Was oxygen given by face mask to Victim B? This may have been referred to as "100% normobaric oxygen" or "NBO".**

[REQUIRE ANSWER]

( 6295 )

Q<sub>1</sub> Yes

- Q<sub>2</sub> No
- Q<sub>3</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 114 IS NOT 1, THEN SKIP TO QUESTION 116]

**Q.115 How long was the victim given oxygen?**

INTERVIEWER: Please enter as hours and/or fractions of hours.

[REQUIRE ANSWER]

..... (6296-6300)

**Q.116 Did Victim B receive treatment in a hyperbaric chamber? This may have been referred to as "hyperbaric oxygen" or "HBO".**

[REQUIRE ANSWER]

- (6301)
- Q<sub>1</sub> Yes
- Q<sub>2</sub> No
- Q<sub>3</sub> Don't Know / Refuse

**Q.117 Was a blood CO level, or carboxyhemoglobin (COHb) level, taken for Victim B?**

[REQUIRE ANSWER]

- (6302)
- Q<sub>1</sub> Yes
- Q<sub>2</sub> No
- Q<sub>3</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 117 IS NOT 1, THEN SKIP TO QUESTION 119]

**Q.118 What was the level? This number is usually expressed as a percentage.**

INTERVIEWER: Please enter "999" if they respondent doesn't know or refuses to answer. Do not include the percent sign (%).

[REQUIRE ANSWER]

..... (6303-6305)



Q.119 **Was any further treatment recommended by the hospital staff or sought by the victim after they were discharged?**

[REQUIRE ANSWER]

( 6306 )

Q<sub>1</sub> Yes

Q<sub>2</sub> No

Q<sub>3</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 119 IS NOT 1, THEN SKIP TO QUESTION 137]

Q.120 **What treatment was recommended?**

[REQUIRE ANSWER]

( 6307-6506 )

---

[A - IF THE ANSWER TO QUESTION 13 IS NOT 3, THEN SKIP TO QUESTION 129]

Q.121 INTERVIEWER: The next set of questions is for victims of FIRE or CONTACT BURN-related injuries.

**What was the Victim B doing when the burn was sustained?**

[REQUIRE ANSWER]

( 6507 )

Q<sub>1</sub> Refilling tank

Q<sub>2</sub> Passing by generator

Q<sub>3</sub> Other

Q<sub>4</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 121 IS NOT 3, THEN SKIP TO QUESTION 123]

Q.122 **Can you describe what the victim was doing?**

[REQUIRE ANSWER]

( 6508-6657 )

Q.123 **For Victim B, what body part was burned?**

[REQUIRE ANSWER]

( 6658-6807 )

Q.124 **How large was the overall burn area?**

INTERVIEWER: Please enter answer as either % of skin surface / L x W in inches; Enter "Do not known" if unknown or refusal.

[REQUIRE ANSWER]

( 6808-6857 )

Q.125 **What was the most severe level of burn: 1st Degree burn (reddening), 2nd Degree burn (blistering) or 3rd Degree burn (full skin thickness burn)?**

[REQUIRE ANSWER]

( 6858 )

- Q<sub>1</sub> 1st Degree Burn
- Q<sub>2</sub> 2nd Degree Burn
- Q<sub>3</sub> 3rd Degree Burn
- Q<sub>4</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 125 IS 4, THEN SKIP TO QUESTION 127]

Q.126 **About what fraction of the total burn area was a [ANSWER TO Q. 125] - One quarter, One half, Three Quarters, or Whole burn area?**

[REQUIRE ANSWER]

( 6859 )

Q<sub>1</sub> 1/4 of burn area

Q<sub>2</sub> 1/2 of burn area

Q<sub>3</sub> 3/4 of burn area

Q<sub>4</sub> whole burn area

Q<sub>5</sub> Don't Know / Refuse

Q.127 **Which of the following best describes how was Victim B medically treated?**

INTERVIEWER: Please read to respondent and check one.

[REQUIRE ANSWER]

( 6860 )

Q<sub>1</sub> treated and released

Q<sub>2</sub> admitted to hospital

Q<sub>3</sub> transferred to burn unit

Q<sub>4</sub> Don't Know / Refuse

Q.128 **How was the burn treated? (e.g. bandages and topical antibiotics; skin graft; etc.)**

[REQUIRE ANSWER]

( 6861-6960 )

---

[A - IF THE ANSWER TO QUESTION 13 IS NOT 2, THEN SKIP TO QUESTION 136]

Q.129 INTERVIEWER: The next set of questions is for victims of ELECTRICAL SHOCK injuries.

**Where did the electricity enter and exit Victim B's body (what body part)?**

[REQUIRE ANSWER]

---

(6961-7110)

Q.130 **What did Victim B touch or contact when he/she was shocked?**

INTERVIEWER: please check one

[REQUIRE ANSWER]

(7111)

- q<sub>1</sub> The generator itself
- q<sub>2</sub> Extension cord connected to the generator
- q<sub>3</sub> Appliance being powered by generator
- q<sub>4</sub> Other
- q<sub>5</sub> Don't know / Refuse

[A - IF THE ANSWER TO QUESTION 130 IS NOT 4, THEN SKIP TO QUESTION 132]

Q.131 **Could you please describe the contact source in detail?**

[REQUIRE ANSWER]

---

(7112-7261)

**Q.132 Please describe the situation when the electric shock took place. For example, was the victim standing in puddle; plugging in an appliance; did the victim have shoes on; etc.**

[REQUIRE ANSWER]

---

(7262-7461)

**Q.133 What were the weather conditions?**

[REQUIRE ANSWER]

---

(7462-7561)

**Q.134 Can you describe Victim B's injury severity?**

[REQUIRE ANSWER]

---

(7562-7761)

**Q.135 Who rescued the victim?**

[REQUIRE ANSWER]

---

(7762-7811)

Q.136 **What medical treatment was given to Victim B?**

[REQUIRE ANSWER]

\_\_\_\_\_ (7812-7961)

Q.137 **How long was the victim in the hospital?**

INTERVIEWER: Enter answer in DAYS. If "treated and released" the same day enter "0". If unknown or refusal to answer enter "99".

[REQUIRE ANSWER]

..... \_\_\_\_\_ (7962-7964)

Q.138 **What is the current status and prognosis for Victim B?**

[REQUIRE ANSWER]

\_\_\_\_\_ (7965-8164)

[A - IF THE ANSWER TO QUESTION 18 IS 1 OR 2 OR 99, THEN SKIP TO QUESTION 298]

Q.139 **The following information is about the third victim who we will refer to as "Victim C". This can be any one of the victims, I would just ask you to keep this person in mind when answering the following questions.**

Q.140 **What was Victim C's age at the time of the incident?**

INTERVIEWER: Enter age in years if two years old or older. For a child under two years of age, enter 2 digit months preceded by "2". For example, 3 months old would be "203"; 18 months old would be "218". Enter "999" for "Don't know / Refuse".

[REQUIRE ANSWER]

..... \_\_\_\_\_ (8165-8167)

Q.141 **Is Victim C male or female?**

[REQUIRE ANSWER]

(8168)

Q<sub>1</sub> Male

Q<sub>2</sub> Female

Q<sub>3</sub> Don't Know / Refuse

Q.142 **What is your relationship to Victim C?**

INTERVIEWER: Enter "Self" if the respondent is "Victim C".

[REQUIRE ANSWER]

---

(8169-8188)

Q.143 **Did the injury to Victim C occur while the victim was outside or within some type of structure?**

[REQUIRE ANSWER]

(8189)

Q<sub>1</sub> Outside

Q<sub>2</sub> Inside

Q<sub>3</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 143 IS NOT 2, THEN SKIP TO QUESTION 156]

Q.144 **I would like to read you a list, would you select the one that best describes the structure where victim was located:**

INTERVIEWER: Please read list through #16

[REQUIRE ANSWER]

( 8190-8191 )

- Q 01 the living space of a single family, detached home
- Q 02 the basement of a single family, detached home
- Q 03 the living space of a town house / row house / duplex (attached home)
- Q 04 the basement of a town house / row house / duplex (attached home)
- Q 05 apartment in apartment building
- Q 06 trailer home
- Q 07 RV
- Q 08 boat
- Q 09 tent
- Q 10 attached garage
- Q 11 detached garage
- Q 12 crawlspace
- Q 13 carport
- Q 14 enclosed porch (sealed from the environment - for example, glassed-in porch)
- Q 15 partially enclosed porch (a screened-in porch with some type of weather-proof roof)
- Q 16 shed
- Q 17 none of the above
- Q 18 Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 144 IS NOT 17, THEN SKIP TO QUESTION 146]

Q.145 **Can you describe the location of the victim at time of the injury?**

[REQUIRE ANSWER]

---

( 8192-8341 )

[A - IF THE ANSWER TO QUESTION 13 IS NOT 1, THEN SKIP TO QUESTION 174]



Q.146 INTERVIEWER: The next set of questions is for victims of CARBON MONOXIDE injuries.

**Where was Victim C located in the structure at the time of the incident? Please specify what floor level and room that the victim was located in if known.**

[REQUIRE ANSWER]

\_\_\_\_\_  
( 8342-8441 )

Q.147 **Can you tell me about how long was the victim exposed to the CO?**

INTERVIEWER: Please express this time in hours or fractional hours. For example, 90 minutes = 1.5 hours; 15 minutes = 0.25 hours. Please enter "99" if the respondent states that they do not know or refuse to answer.

[REQUIRE ANSWER]

..... \_\_\_\_\_ ( 8442-8449 )

Q.148 **At Victim C's location at the time of the incident, were one or more windows open?**

[REQUIRE ANSWER]

( 8450 )

Q<sub>1</sub> Yes

Q<sub>2</sub> No

Q<sub>3</sub> Structure has no windows

Q<sub>4</sub> Don't Know

[A - IF THE ANSWER TO QUESTION 148 IS NOT 1, THEN SKIP TO QUESTION 152]

Q.149 **How many windows?**

INTERVIEWER: Enter "99" for "Do not know" or refusal.

[REQUIRE ANSWER]

..... \_\_\_\_\_ ( 8451-8452 )

[A - IF THE ANSWER TO QUESTION 149 IS NOT 1, THEN SKIP TO QUESTION 151]

**Q.150 From the following list, how open would you say the window at the victim's location was at the time of the incident?**

INTERVIEWER: please read list to respondent.

[REQUIRE ANSWER]

( 8453 )

- Q<sub>1</sub> wide open
- Q<sub>2</sub> partially open
- Q<sub>3</sub> open just a crack
- Q<sub>4</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 149 IS 1 OR 99, THEN SKIP TO QUESTION 152]

**Q.151 From the following list, could you tell me which best describes the window situation at the location of the victim at the time of the incident?**

[REQUIRE ANSWER]

( 8454 )

- Q<sub>1</sub> All the open windows were wide open
- Q<sub>2</sub> One or more of the open windows were wide open, others were only partially open
- Q<sub>3</sub> One or more of the open windows were wide open, others were open only a crack
- Q<sub>4</sub> All the open windows were partially open
- Q<sub>5</sub> One or more of the open windows were partially open, others were open only a crack
- Q<sub>6</sub> All the open windows were open only a crack
- Q<sub>7</sub> Don't Know / Refuse

**Q.152 At the time of the incident, was there a door open to the outside at Victim C's location?**

[REQUIRE ANSWER]

( 8455 )

- Q<sub>1</sub> Yes
- Q<sub>2</sub> No
- Q<sub>3</sub> Structure has no door
- Q<sub>4</sub> Don't Know

[A - IF THE ANSWER TO QUESTION 152 IS NOT 1, THEN SKIP TO QUESTION 154]

Q.153 **How open would you say the door was?**

[REQUIRE ANSWER]

( 8456 )

Q<sub>1</sub> wide open

Q<sub>2</sub> partially open

Q<sub>3</sub> open just a crack

Q<sub>4</sub> Don't Know / Refuse

Q.154 **Was there any other type of ventilation at Victim C's location such as a fan running or an air conditioner?**

[REQUIRE ANSWER]

( 8457 )

Q<sub>1</sub> Yes

Q<sub>2</sub> No

Q<sub>3</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 154 IS NOT 1, THEN SKIP TO QUESTION 156]

Q.155 **What other type of ventilation was used at Victim C's location?**

[REQUIRE ANSWER]

\_\_\_\_\_  
( 8458-8557 )

Q.156 **Can you tell me about the general health status of Victim C at time of incident? Please identify any drugs/medications/alcohol being taken at the time of incident.**

[REQUIRE ANSWER]

\_\_\_\_\_  
( 8558-8757 )

[A - IF THE ANSWER TO QUESTION 13 IS NOT 1, THEN SKIP TO QUESTION 162]

Q.157 **Is Victim C currently a smoker?**

[REQUIRE ANSWER]

( 8758 )

- Q<sub>1</sub> Yes
- Q<sub>2</sub> No
- Q<sub>3</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 157 IS NOT 1, THEN SKIP TO QUESTION 160]

**Q.158 What type of product does Victim C primarily smoke - Cigarettes, Cigars or Pipes?**

[REQUIRE ANSWER]

- ( 8759 )
- Q<sub>1</sub> Cigarettes
  - Q<sub>2</sub> Cigars
  - Q<sub>3</sub> Pipes
  - Q<sub>4</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 158 IS 4, THEN SKIP TO QUESTION 160]

**Q.159 How many [ANSWER TO Q. 158] would you say Victim C smoke per day?**

INTERVIEWER: Enter "99" for "Do not know" or refusal to answer.

[REQUIRE ANSWER]

..... \_\_\_\_\_ ( 8760-8761 )

**Q.160 Returning to the carbon monoxide exposure, could you please describe Victim C's symptoms?**

[REQUIRE ANSWER]

\_\_\_\_\_ ( 8762-8961 )

Q.161 **[ANSWER TO Q. 160]**

INTERVIEWER: Check all that apply from description above – for those not checked ask respondent if they know if Victim C experienced any of the other specific symptoms:

INTERVIEWER: Hit **Enter**" after each choice. Hit **Enter**" again or click **Next**" to move on to the next question. Please note that unselected choices are **iBOLD**, selected choices are **innon-BOLD**.

[REQUIRE ANSWER]

( 8962-8979 )

- Q<sub>01</sub> None
- Q<sub>02</sub> Headache
- Q<sub>03</sub> Fatigue
- Q<sub>04</sub> Sleepy
- Q<sub>05</sub> Disorientation
- Q<sub>06</sub> Nausea
- Q<sub>07</sub> Vomiting
- Q<sub>08</sub> Chest Pains
- Q<sub>09</sub> Shortness of Breath
- Q<sub>10</sub> Loss of Consciousness
- Q<sub>11</sub> Don't know / Refuse

Q.162 **Did Victim C receive treatment at the scene?**

[REQUIRE ANSWER]

( 8980 )

- Q<sub>1</sub> Yes
- Q<sub>2</sub> No
- Q<sub>3</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 162 IS NOT 1, THEN SKIP TO QUESTION 164]

Q.163 **Please describe the treatment Victim C received at the scene and who treated the victim.**

[REQUIRE ANSWER]

( 8981-9180 )

Q.164 **Was treatment received en route to Emergency Room?**

[REQUIRE ANSWER]

( 9181 )

Q<sub>1</sub> Yes

Q<sub>2</sub> No

Q<sub>3</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 164 IS NOT 1, THEN SKIP TO QUESTION 166]

Q.165 **Please describe the treatment Victim C received en route to the Emergency Room and who treated the victim.**

[REQUIRE ANSWER]

( 9182-9381 )

Q.166 **Was treatment received at Emergency Room?**

[REQUIRE ANSWER]

( 9382 )

Q<sub>1</sub> Yes

Q<sub>2</sub> No

Q<sub>3</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 166 IS NOT 1, THEN SKIP TO QUESTION 170]

[A - IF THE ANSWER TO QUESTION 13 IS NOT 1, THEN SKIP TO QUESTION 172]

Q.167 **Was oxygen given by face mask to Victim C? This may have been referred to as "100% normobaric oxygen" or "NBO".**

[REQUIRE ANSWER]

( 9383 )

Q<sub>1</sub> Yes

- Q<sub>2</sub> No
- Q<sub>3</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 167 IS NOT 1, THEN SKIP TO QUESTION 169]

**Q.168 How long was the victim given oxygen?**

[REQUIRE ANSWER]

(9384-9433)

**Q.169 Did Victim C receive treatment in a hyperbaric chamber? This may have been referred to as "hyperbaric oxygen" or "HBO".**

[REQUIRE ANSWER]

(9434)

- Q<sub>1</sub> Yes
- Q<sub>2</sub> No
- Q<sub>3</sub> Don't Know / Refuse

**Q.170 Was a blood CO level, or carboxyhemoglobin (COHb) level, taken for Victim C?**

[REQUIRE ANSWER]

(9435)

- Q<sub>1</sub> Yes
- Q<sub>2</sub> No
- Q<sub>3</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 170 IS NOT 1, THEN SKIP TO QUESTION 172]

**Q.171 What was the level? This number is usually expressed as a percentage.**

INTERVIEWER: Please enter "999" if they respondent doesn't know or refuses to answer. Do not include the percent sign (%).

[REQUIRE ANSWER]

..... \_\_\_\_\_ (9436-9438)

**Q.172 Was any further treatment recommended by the hospital staff or sought by the victim after they were discharged?**

[REQUIRE ANSWER]

( 9439 )

Q<sub>1</sub> Yes

Q<sub>2</sub> No

Q<sub>3</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 172 IS NOT 1, THEN SKIP TO QUESTION 190]

**Q.173 What treatment was recommended?**

[REQUIRE ANSWER]

( 9440-9639 )

[A - IF THE ANSWER TO QUESTION 173 IS NOT 3, THEN SKIP TO QUESTION 182]

**Q.174 INTERVIEWER: The next set of questions is for victims of FIRE or CONTACT BURN-related injuries.**

**What was the Victim C doing when the burn was sustained?**

[REQUIRE ANSWER]

( 9640 )

Q<sub>1</sub> Refilling tank

Q<sub>2</sub> Passing by generator

Q<sub>3</sub> Other

Q<sub>4</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 174 IS NOT 3, THEN SKIP TO QUESTION 176]



Q.175 **Can you describe what the victim was doing?**

[REQUIRE ANSWER]

(9641-9790)

Q.176 **For Victim C, what body part was burned?**

[REQUIRE ANSWER]

(9791-9940)

Q.177 **How large was the overall burn area?**

INTERVIEWER: Please enter answer as either % of skin surface / L x W in inches; Enter "Do not known" if unknown or refusal.

[REQUIRE ANSWER]

(9941-9990)

Q.178 **What was the most severe level of burn: 1st Degree burn (reddening), 2nd Degree burn (blistering) or 3rd Degree burn (full skin thickness burn)?**

[REQUIRE ANSWER]

(9991)

- Q<sub>1</sub> 1st Degree Burn
- Q<sub>2</sub> 2nd Degree Burn
- Q<sub>3</sub> 3rd Degree Burn
- Q<sub>4</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 178 IS 4, THEN SKIP TO QUESTION 180]

Q.179 **About what fraction of the total burn area was a [ANSWER TO Q. 178] - One quarter, One half, Three Quarters, or Whole burn area?**

[REQUIRE ANSWER]

(9992)

Q<sub>1</sub> 1/4 of burn area

Q<sub>2</sub> 1/2 of burn area

Q<sub>3</sub> 3/4 of burn area

Q<sub>4</sub> whole burn area

Q<sub>5</sub> Don't Know / Refuse

Q.180 **Which of the following best describes how was Victim C medically treated?**

INTERVIEWER: Please read to respondent and check one.

[REQUIRE ANSWER]

(9993)

Q<sub>1</sub> treated and released

Q<sub>2</sub> admitted to hospital

Q<sub>3</sub> transferred to burn unit

Q<sub>4</sub> Don't Know / Refuse

Q.181 **How was the burn treated? (e.g. bandages and topical antibiotics; skin graft; etc.)**

[REQUIRE ANSWER]

(9994-10093)

---

[A - IF THE ANSWER TO QUESTION 13 IS NOT 2, THEN SKIP TO QUESTION 189]

Q.182 INTERVIEWER: The next set of questions is for victims of ELECTRICAL SHOCK injuries.

**Where did the electricity enter and exit Victim C's body (what body part)?**

[REQUIRE ANSWER]

---

(10094-10243)

Q.183 **What did Victim C touch or contact when he/she was shocked?**

INTERVIEWER: please check one

[REQUIRE ANSWER]

(10244)

- q<sub>1</sub> The generator itself
- q<sub>2</sub> Extension cord connected to the generator
- q<sub>3</sub> Appliance being powered by generator
- q<sub>4</sub> Other
- q<sub>5</sub> Don't know / Refuse

[A - IF THE ANSWER TO QUESTION 183 IS NOT 4, THEN SKIP TO QUESTION 185]

Q.184 **Could you please describe the contact source in detail?**

[REQUIRE ANSWER]

---

(10245-10394)

**Q.185 Please describe the situation when the electric shock took place. For example, was the victim standing in puddle; plugging in an appliance; did the victim have shoes on; etc.**

[REQUIRE ANSWER]

---

(10395-10594)

**Q.186 What were the weather conditions?**

[REQUIRE ANSWER]

---

(10595-10694)

**Q.187 Can you describe Victim C's injury severity?**

[REQUIRE ANSWER]

---

(10695-10894)

**Q.188 Who rescued the victim?**

[REQUIRE ANSWER]

---

(10895-10944)

Q.189 **What medical treatment was given to Victim C?**

[REQUIRE ANSWER]

\_\_\_\_\_  
(10945-11094)

Q.190 **How long was the victim in the hospital?**

INTERVIEWER: Enter answer in DAYS. If "treated and released" the same day enter "0". If unknown or refusal to answer enter "99".

[REQUIRE ANSWER]

..... \_\_\_\_\_ (11095-11097)

Q.191 **What is the current status and prognosis for Victim C?**

[REQUIRE ANSWER]

\_\_\_\_\_  
(11098-11297)

[A - IF THE ANSWER TO QUESTION 18 IS 1 OR 2 OR 3 OR 99, THEN SKIP TO QUESTION 298]

Q.192 **The following information is about the forth victim who we will refer to as "Victim D". This can be any one of the victims, I would just ask you to keep this person in mind when answering the following questions.**

Q.193 **What was Victim D's age at the time of the incident?**

INTERVIEWER: Enter age in years if two years old or older. For a child under two years of age, enter 2 digit months preceded by "2". For example, 3 months old would be "203"; 18 months old would be "218". Enter "999" for "Don't know / Refuse".

[REQUIRE ANSWER]

..... \_\_\_\_\_ (11298-11300)

Q.194 **Is Victim D male or female?**

[REQUIRE ANSWER]

(11301)

Q<sub>1</sub> Male

Q<sub>2</sub> Female

Q<sub>3</sub> Don't Know / Refuse

Q.195 **What is your relationship to Victim D?**

INTERVIEWER: Enter "Self" if the respondent is "Victim D".

[REQUIRE ANSWER]

---

(11302-11321)

Q.196 **Did the injury to Victim D occur while the victim was outside or within some type of structure?**

[REQUIRE ANSWER]

(11322)

Q<sub>1</sub> Outside

Q<sub>2</sub> Inside

Q<sub>3</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 196 IS NOT 2, THEN SKIP TO QUESTION 209]

Q.197 **I would like to read you a list, would you select the one that best describes the structure where victim was located:**

INTERVIEWER: Please read list through #16

[REQUIRE ANSWER]

(11323-11324)

- Q 01 the living space of a single family, detached home
- Q 02 the basement of a single family, detached home
- Q 03 the living space of a town house / row house / duplex (attached home)
- Q 04 the basement of a town house / row house / duplex (attached home)
- Q 05 apartment in apartment building
- Q 06 trailer home
- Q 07 RV
- Q 08 boat
- Q 09 tent
- Q 10 attached garage
- Q 11 detached garage
- Q 12 crawlspace
- Q 13 carport
- Q 14 enclosed porch (sealed from the environment - for example, glassed-in porch)
- Q 15 partially enclosed porch (a screened-in porch with some type of weather-proof roof)
- Q 16 shed
- Q 17 none of the above
- Q 18 Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 197 IS NOT 17, THEN SKIP TO QUESTION 199]

Q.198 **Can you describe the location of the victim at time of the injury?**

[REQUIRE ANSWER]

(11325-11474)

---

[A - IF THE ANSWER TO QUESTION 13 IS NOT 1, THEN SKIP TO QUESTION 227]

Q.199 INTERVIEWER: The next set of questions is for victims of CARBON MONOXIDE injuries.

**Where was Victim D located in the structure at the time of the incident? Please specify what floor level and room that the victim was located in if known.**

[REQUIRE ANSWER]

\_\_\_\_\_  
(11475-11574)

Q.200 **Can you tell me about how long was the victim exposed to the CO?**

INTERVIEWER: Please express this time in hours or fractional hours. For example, 90 minutes = 1.5 hours; 15 minutes = 0.25 hours. Please enter "99" if the respondent states that they do not know or refuse to answer.

[REQUIRE ANSWER]

..... \_\_\_\_\_ (11575-11582)

Q.201 **At Victim D's location at the time of the incident, were one or more windows open?**

[REQUIRE ANSWER]

(11583)

Q<sub>1</sub> Yes

Q<sub>2</sub> No

Q<sub>3</sub> Structure has no windows

Q<sub>4</sub> Don't Know

[A - IF THE ANSWER TO QUESTION 201 IS NOT 1, THEN SKIP TO QUESTION 205]

Q.202 **How many windows?**

INTERVIEWER: Enter "99" for "Do not know" or refusal.

[REQUIRE ANSWER]

..... \_\_\_\_\_ (11584-11585)

[A - IF THE ANSWER TO QUESTION 202 IS NOT 1, THEN SKIP TO QUESTION 204]



**Q.203 From the following list, how open would you say the window at the victim's location was at the time of the incident?**

INTERVIEWER: please read list to respondent.

[REQUIRE ANSWER]

(11586)

- Q<sub>1</sub> wide open
- Q<sub>2</sub> partially open
- Q<sub>3</sub> open just a crack
- Q<sub>4</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 202 IS 1 OR 99, THEN SKIP TO QUESTION 205]

**Q.204 From the following list, could you tell me which best describes the window situation at the location of the victim at the time of the incident?**

[REQUIRE ANSWER]

(11587)

- Q<sub>1</sub> All the open windows were wide open
- Q<sub>2</sub> One or more of the open windows were wide open, others were only partially open
- Q<sub>3</sub> One or more of the open windows were wide open, others were open only a crack
- Q<sub>4</sub> All the open windows were partially open
- Q<sub>5</sub> One or more of the open windows were partially open, others were open only a crack
- Q<sub>6</sub> All the open windows were open only a crack
- Q<sub>7</sub> Don't Know / Refuse

**Q.205 At the time of the incident, was there a door open to the outside at Victim D's location?**

[REQUIRE ANSWER]

(11588)

- Q<sub>1</sub> Yes
- Q<sub>2</sub> No
- Q<sub>3</sub> Structure has no door
- Q<sub>4</sub> Don't Know

[A - IF THE ANSWER TO QUESTION 205 IS NOT 1, THEN SKIP TO QUESTION 207]

Q.206 **How open would you say the door was?**

[REQUIRE ANSWER]

(11589)

Q<sub>1</sub> wide open

Q<sub>2</sub> partially open

Q<sub>3</sub> open just a crack

Q<sub>4</sub> Don't Know / Refuse

Q.207 **Was there any other type of ventilation at Victim D's location such as a fan running or an air conditioner?**

[REQUIRE ANSWER]

(11590)

Q<sub>1</sub> Yes

Q<sub>2</sub> No

Q<sub>3</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 207 IS NOT 1, THEN SKIP TO QUESTION 209]

Q.208 **What other type of ventilation was used at Victim D's location?**

[REQUIRE ANSWER]

(11591-11690)

Q.209 **Can you tell me about the general health status of Victim D at time of incident? Please identify any drugs/medications/alcohol being taken at the time of incident.**

[REQUIRE ANSWER]

(11691-11890)

[A - IF THE ANSWER TO QUESTION 13 IS NOT 1, THEN SKIP TO QUESTION 215]

Q.210 **Is Victim D currently a smoker?**

[REQUIRE ANSWER]

(11891)

- Q<sub>1</sub> Yes
- Q<sub>2</sub> No
- Q<sub>3</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 210 IS NOT 1, THEN SKIP TO QUESTION 213]

**Q.211 What type of product does Victim D primarily smoke - Cigarettes, Cigars or Pipes?**

[REQUIRE ANSWER]

(11892)

- Q<sub>1</sub> Cigarettes
- Q<sub>2</sub> Cigars
- Q<sub>3</sub> Pipes
- Q<sub>4</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 211 IS 4, THEN SKIP TO QUESTION 213]

**Q.212 How many [ANSWER TO Q. 211] would you say Victim D smoke per day?**

INTERVIEWER: Enter "99" for "Do not know" or refusal to answer.

[REQUIRE ANSWER]

..... \_\_\_\_\_ (11893-11894)

**Q.213 Returning to the carbon monoxide exposure, could you please describe Victim D's symptoms?**

[REQUIRE ANSWER]

\_\_\_\_\_  
(11895-12094)

Q.214 **[ANSWER TO Q. 213]**

INTERVIEWER: Check all that apply from description above – for those not checked ask respondent if they know if Victim D experienced any of the other specific symptoms:

INTERVIEWER: Hit **Enter**" after each choice. Hit **Enter**" again or click **Next**" to move on to the next question. Please note that unselected choices are **iBOLD**, selected choices are **innon-BOLD**.

[REQUIRE ANSWER]

(12095-12112)

- Q<sub>01</sub> None
- Q<sub>02</sub> Headache
- Q<sub>03</sub> Fatigue
- Q<sub>04</sub> Sleepy
- Q<sub>05</sub> Disorientation
- Q<sub>06</sub> Nausea
- Q<sub>07</sub> Vomiting
- Q<sub>08</sub> Chest Pains
- Q<sub>09</sub> Shortness of Breath
- Q<sub>10</sub> Loss of Consciousness
- Q<sub>11</sub> Don't know / Refuse

Q.215 **Did Victim D receive treatment at the scene?**

[REQUIRE ANSWER]

(12113)

- Q<sub>1</sub> Yes
- Q<sub>2</sub> No
- Q<sub>3</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 215 IS NOT 1, THEN SKIP TO QUESTION 217]

Q.216 **Please describe the treatment Victim D received at the scene and who treated the victim.**

[REQUIRE ANSWER]

(12114-12313)

Q.217 **Was treatment received en route to Emergency Room?**

[REQUIRE ANSWER]

(12314)

Q<sub>1</sub> Yes

Q<sub>2</sub> No

Q<sub>3</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 217 IS NOT 1, THEN SKIP TO QUESTION 219]

Q.218 **Please describe the treatment Victim D received en route to the Emergency Room and who treated the victim.**

[REQUIRE ANSWER]

(12315-12514)

Q.219 **Was treatment received at Emergency Room?**

[REQUIRE ANSWER]

(12515)

Q<sub>1</sub> Yes

Q<sub>2</sub> No

Q<sub>3</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 219 IS NOT 1, THEN SKIP TO QUESTION 223]

[A - IF THE ANSWER TO QUESTION 13 IS NOT 1, THEN SKIP TO QUESTION 225]

Q.220 **Was oxygen given by face mask to Victim D? This may have been referred to as "100% normobaric oxygen" or "NBO".**

[REQUIRE ANSWER]

(12516)

Q<sub>1</sub> Yes

- Q<sub>2</sub> No
- Q<sub>3</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 220 IS NOT 1, THEN SKIP TO QUESTION 222]

**Q.221 How long was the victim given oxygen?**

[REQUIRE ANSWER]

(12517-12566)

**Q.222 Did Victim D receive treatment in a hyperbaric chamber? This may have been referred to as "hyperbaric oxygen" or "HBO".**

[REQUIRE ANSWER]

(12567)

- Q<sub>1</sub> Yes
- Q<sub>2</sub> No
- Q<sub>3</sub> Don't Know / Refuse

**Q.223 Was a blood CO level, or carboxyhemoglobin (COHb) level, taken for Victim D?**

[REQUIRE ANSWER]

(12568)

- Q<sub>1</sub> Yes
- Q<sub>2</sub> No
- Q<sub>3</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 223 IS NOT 1, THEN SKIP TO QUESTION 225]

**Q.224 What was the level? This number is usually expressed as a percentage.**

INTERVIEWER: Please enter "999" if they respondent doesn't know or refuses to answer. Do not include the percent sign (%).

[REQUIRE ANSWER]

..... \_\_\_\_\_ (12569-12571)

Q.225 **Was any further treatment recommended by the hospital staff or sought by the victim after they were discharged?**

[REQUIRE ANSWER]

(12572)

Q<sub>1</sub> Yes

Q<sub>2</sub> No

Q<sub>3</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 225 IS NOT 1, THEN SKIP TO QUESTION 243]

Q.226 **What treatment was recommended?**

[REQUIRE ANSWER]

(12573-12772)

[A - IF THE ANSWER TO QUESTION 13 IS NOT 3, THEN SKIP TO QUESTION 235]

Q.227 INTERVIEWER: The next set of questions is for victims of FIRE or CONTACT BURN-related injuries.

**What was the Victim D doing when the burn was sustained?**

[REQUIRE ANSWER]

(12773)

Q<sub>1</sub> Refilling tank

Q<sub>2</sub> Passing by generator

Q<sub>3</sub> Other

Q<sub>4</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 227 IS NOT 3, THEN SKIP TO QUESTION 229]

Q.228 **Can you describe what the victim was doing?**

[REQUIRE ANSWER]

---

(12774-12923)

Q.229 **For Victim D, what body part was burned?**

[REQUIRE ANSWER]

---

(12924-13073)

Q.230 **How large was the overall burn area?**

INTERVIEWER: Please enter answer as either % of skin surface / L x W in inches; Enter "Do not known" if unknown or refusal.

[REQUIRE ANSWER]

---

(13074-13123)

Q.231 **What was the most severe level of burn: 1st Degree burn (reddening), 2nd Degree burn (blistering) or 3rd Degree burn (full skin thickness burn)?**

[REQUIRE ANSWER]

(13124)

- Q<sub>1</sub> 1st Degree Burn
- Q<sub>2</sub> 2nd Degree Burn
- Q<sub>3</sub> 3rd Degree Burn
- Q<sub>4</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 231 IS 4, THEN SKIP TO QUESTION 233]



Q.232 **About what fraction of the total burn area was a [ANSWER TO Q. 232] - One quarter, One half, Three Quarters, or Whole burn area?**

[REQUIRE ANSWER]

(13125)

Q<sub>1</sub> 1/4 of burn area

Q<sub>2</sub> 1/2 of burn area

Q<sub>3</sub> 3/4 of burn area

Q<sub>4</sub> whole burn area

Q<sub>5</sub> Don't Know / Refuse

Q.233 **Which of the following best describes how was Victim D medically treated?**

INTERVIEWER: Please read to respondent and check one.

[REQUIRE ANSWER]

(13126)

Q<sub>1</sub> treated and released

Q<sub>2</sub> admitted to hospital

Q<sub>3</sub> transferred to burn unit

Q<sub>4</sub> Don't Know / Refuse

Q.234 **How was the burn treated? (e.g. bandages and topical antibiotics; skin graft; etc.)**

[REQUIRE ANSWER]

(13127-13226)

---

[A - IF THE ANSWER TO QUESTION 13 IS NOT 2, THEN SKIP TO QUESTION 242]

Q.235 INTERVIEWER: The next set of questions is for victims of ELECTRICAL SHOCK injuries.

**Where did the electricity enter and exit Victim D's body (what body part)?**

[REQUIRE ANSWER]

---

(13227-13376)

Q.236 **What did Victim D touch or contact when he/she was shocked?**

INTERVIEWER: please check one

[REQUIRE ANSWER]

(13377)

- q<sub>1</sub> The generator itself
- q<sub>2</sub> Extension cord connected to the generator
- q<sub>3</sub> Appliance being powered by generator
- q<sub>4</sub> Other
- q<sub>5</sub> Don't know / Refuse

[A - IF THE ANSWER TO QUESTION 236 IS NOT 4, THEN SKIP TO QUESTION 238]

Q.237 **Could you please describe the contact source in detail?**

[REQUIRE ANSWER]

---

(13378-13527)

**Q.238 Please describe the situation when the electric shock took place. For example, was the victim standing in puddle; plugging in an appliance; did the victim have shoes on; etc.**

[REQUIRE ANSWER]

---

(13528-13727)

**Q.239 What were the weather conditions?**

[REQUIRE ANSWER]

---

(13728-13827)

**Q.240 Can you describe Victim D's injury severity?**

[REQUIRE ANSWER]

---

(13828-14027)

**Q.241 Who rescued the victim?**

[REQUIRE ANSWER]

---

(14028-14077)

Q.242 **What medical treatment was given to Victim D?**

[REQUIRE ANSWER]

\_\_\_\_\_  
(14078-14227)

Q.243 **How long was the victim in the hospital?**

INTERVIEWER: Enter answer in DAYS. If "treated and released" the same day enter "0". If unknown or refusal to answer enter "99".

[REQUIRE ANSWER]

..... \_\_\_\_\_ (14228-14230)

Q.244 **What is the current status and prognosis for Victim D?**

[REQUIRE ANSWER]

\_\_\_\_\_  
(14231-14430)

[A - IF THE ANSWER TO QUESTION 18 IS 1 OR 2 OR 3 OR 4 OR 99, THEN SKIP TO QUESTION 298]

Q.245 **The following information is about the fifth victim who we will refer to as "Victim E". This can be any one of the victims, I would just ask you to keep this person in mind when answering the following questions.**

Q.246 **What was Victim E's age at the time of the incident?**

INTERVIEWER: Enter age in years if two years old or older. For a child under two years of age, enter 2 digit months preceded by "2". For example, 3 months old would be "203"; 18 months old would be "218". Enter "999" for "Don't know / Refuse".

[REQUIRE ANSWER]

..... \_\_\_\_\_ (14431-14433)

Q.247 **Is Victim E male or female?**

[REQUIRE ANSWER]

(14434)

Q<sub>1</sub> Male

Q<sub>2</sub> Female

Q<sub>3</sub> Don't Know / Refuse

Q.248 **What is your relationship to Victim E?**

INTERVIEWER: Enter "Self" if the respondent is "Victim E".

[REQUIRE ANSWER]

---

(14435-14454)

Q.249 **Did the injury to Victim E occur while the victim was outside or within some type of structure?**

[REQUIRE ANSWER]

(14455)

Q<sub>1</sub> Outside

Q<sub>2</sub> Inside

Q<sub>3</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 249 IS NOT 2, THEN SKIP TO QUESTION 262]

Q.250 **I would like to read you a list, would you select the one that best describes the structure where victim was located:**

INTERVIEWER: Please read list through #16

[REQUIRE ANSWER]

(14456-14457)

- Q 01 the living space of a single family, detached home
- Q 02 the basement of a single family, detached home
- Q 03 the living space of a town house / row house / duplex (attached home)
- Q 04 the basement of a town house / row house / duplex (attached home)
- Q 05 apartment in apartment building
- Q 06 trailer home
- Q 07 RV
- Q 08 boat
- Q 09 tent
- Q 10 attached garage
- Q 11 detached garage
- Q 12 crawlspace
- Q 13 carport
- Q 14 enclosed porch (sealed from the environment - for example, glassed-in porch)
- Q 15 partially enclosed porch (a screened-in porch with some type of weather-proof roof)
- Q 16 shed
- Q 17 none of the above
- Q 18 Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 250 IS NOT 17, THEN SKIP TO QUESTION 252]

Q.251 **Can you describe the location of the victim at time of the injury?**

[REQUIRE ANSWER]

---

(14458-14607)

[A - IF THE ANSWER TO QUESTION 13 IS NOT 1, THEN SKIP TO QUESTION 280]

Q.252 INTERVIEWER: The next set of questions is for victims of CARBON MONOXIDE injuries.

**Where was Victim E located in the structure at the time of the incident? Please specify what floor level and room that the victim was located in if known.**

[REQUIRE ANSWER]

\_\_\_\_\_  
(14608-14707)

Q.253 **Can you tell me about how long was the victim exposed to the CO?**

INTERVIEWER: Please express this time in hours or fractional hours. For example, 90 minutes = 1.5 hours; 15 minutes = 0.25 hours. Please enter "99" if the respondent states that they do not know or refuse to answer.

[REQUIRE ANSWER]

..... \_\_\_\_\_ (14708-14715)

Q.254 **At Victim E's location at the time of the incident, were one or more windows open?**

[REQUIRE ANSWER]

(14716)

Q<sub>1</sub> Yes

Q<sub>2</sub> No

Q<sub>3</sub> Structure has no windows

Q<sub>4</sub> Don't Know

[A - IF THE ANSWER TO QUESTION 254 IS NOT 1, THEN SKIP TO QUESTION 258]

Q.255 **How many windows?**

INTERVIEWER: Enter "99" for "Do not know" or refusal.

[REQUIRE ANSWER]

..... \_\_\_\_\_ (14717-14718)

[A - IF THE ANSWER TO QUESTION 255 IS NOT 1, THEN SKIP TO QUESTION 257]

**Q.256 From the following list, how open would you say the window at the victim's location was at the time of the incident?**

INTERVIEWER: please read list to respondent.

[REQUIRE ANSWER]

(14719)

- Q<sub>1</sub> wide open
- Q<sub>2</sub> partially open
- Q<sub>3</sub> open just a crack
- Q<sub>4</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 255 IS 1 OR 99, THEN SKIP TO QUESTION 258]

**Q.257 From the following list, could you tell me which best describes the window situation at the location of the victim at the time of the incident?**

[REQUIRE ANSWER]

(14720)

- Q<sub>1</sub> All the open windows were wide open
- Q<sub>2</sub> One or more of the open windows were wide open, others were only partially open
- Q<sub>3</sub> One or more of the open windows were wide open, others were open only a crack
- Q<sub>4</sub> All the open windows were partially open
- Q<sub>5</sub> One or more of the open windows were partially open, others were open only a crack
- Q<sub>6</sub> All the open windows were open only a crack
- Q<sub>7</sub> Don't Know / Refuse

**Q.258 At the time of the incident, was there a door open to the outside at Victim E's location?**

[REQUIRE ANSWER]

(14721)

- Q<sub>1</sub> Yes
- Q<sub>2</sub> No
- Q<sub>3</sub> Structure has no door
- Q<sub>4</sub> Don't Know

[A - IF THE ANSWER TO QUESTION 258 IS NOT 1, THEN SKIP TO QUESTION 260]

**Q.259 How open would you say the door was?**

[REQUIRE ANSWER]

(14722)

- Q<sub>1</sub> wide open



- Q<sub>2</sub> partially open
- Q<sub>3</sub> open just a crack
- Q<sub>4</sub> Don't Know / Refuse

**Q.260 Was there any other type of ventilation at Victim E's location such as a fan running or an air conditioner?**

[REQUIRE ANSWER]

(14723)

- Q<sub>1</sub> Yes
- Q<sub>2</sub> No
- Q<sub>3</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 260 IS NOT 1, THEN SKIP TO QUESTION 262]

**Q.261 What other type of ventilation was used at Victim E's location?**

[REQUIRE ANSWER]

(14724-14823)

**Q.262 Can you tell me about the general health status of Victim E at time of incident? Please identify any drugs/medications/alcohol being taken at the time of incident.**

[REQUIRE ANSWER]

(14824-15023)

[A - IF THE ANSWER TO QUESTION 13 IS NOT 1, THEN SKIP TO QUESTION 268]

**Q.263 Is Victim E currently a smoker?**

[REQUIRE ANSWER]

(15024)

- Q<sub>1</sub> Yes
- Q<sub>2</sub> No
- Q<sub>3</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 263 IS NOT 1, THEN SKIP TO QUESTION 266]

Q.264 **What type of product does Victim E primarily smoke - Cigarettes, Cigars or Pipes?**

[REQUIRE ANSWER]

(15025)

Q<sub>1</sub> Cigarettes

Q<sub>2</sub> Cigars

Q<sub>3</sub> Pipes

Q<sub>4</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 264 IS 4, THEN SKIP TO QUESTION 266]

Q.265 **How many [ANSWER TO Q. 264] would you say Victim E smoke per day?**

INTERVIEWER: Enter "99" for "Do not know" or refusal to answer.

[REQUIRE ANSWER]

..... \_\_\_\_\_ (15026-15027)

Q.266 **Returning to the carbon monoxide exposure, could you please describe Victim E's symptoms?**

[REQUIRE ANSWER]

\_\_\_\_\_ (15028-15227)

Q.267 **[ANSWER TO Q. 266]**

INTERVIEWER: Check all that apply from description above – for those not checked ask respondent if they know if Victim E experienced any of the other specific symptoms:

INTERVIEWER: Hit **Enter** after each choice. Hit **Enter** again or click **Next** to move on to the next question. Please note that unselected choices are **iBOLD**, selected choices are **inon-BOLD**.

[REQUIRE ANSWER]

(15228-15245)

Q<sub>01</sub> None

Q<sub>02</sub> Headache

Q<sub>03</sub> Fatigue

Q<sub>04</sub> Sleepy

Q<sub>05</sub> Disorientation

- Q<sub>06</sub> Nausea
- Q<sub>07</sub> Vomiting
- Q<sub>08</sub> Chest Pains
- Q<sub>09</sub> Shortness of Breath
- Q<sub>10</sub> Loss of Consciousness
- Q<sub>11</sub> Don't know / Refuse

**Q.268 Did Victim E receive treatment at the scene?**

[REQUIRE ANSWER]

(15246)

- Q<sub>1</sub> Yes
- Q<sub>2</sub> No
- Q<sub>3</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 268 IS NOT 1, THEN SKIP TO QUESTION 270]

**Q.269 Please describe the treatment Victim E received at the scene and who treated the victim.**

[REQUIRE ANSWER]

---

(15247-15446)

**Q.270 Was treatment received en route to Emergency Room?**

[REQUIRE ANSWER]

(15447)

- Q<sub>1</sub> Yes
- Q<sub>2</sub> No
- Q<sub>3</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 270 IS NOT 1, THEN SKIP TO QUESTION 272]

**Q.271 Please describe the treatment Victim E received en route to the Emergency Room and who treated the victim.**

[REQUIRE ANSWER]

---

(15448-15647)

**Q.272 Was treatment received at Emergency Room?**

[REQUIRE ANSWER]

(15648)

Q<sub>1</sub> Yes

Q<sub>2</sub> No

Q<sub>3</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 272 IS NOT 1, THEN SKIP TO QUESTION 276]

[A - IF THE ANSWER TO QUESTION 13 IS NOT 1, THEN SKIP TO QUESTION 278]

**Q.273 Was oxygen given by face mask to Victim E? This may have been referred to as "100% normobaric oxygen" or "NBO".**

[REQUIRE ANSWER]

(15649)

Q<sub>1</sub> Yes

Q<sub>2</sub> No

Q<sub>3</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 273 IS NOT 1, THEN SKIP TO QUESTION 275]

**Q.274 How long was the victim given oxygen?**

[REQUIRE ANSWER]

---

(15650-15699)

**Q.275 Did Victim E receive treatment in a hyperbaric chamber? This may have been referred to as "hyperbaric oxygen" or "HBO".**

[REQUIRE ANSWER]

(15700)

- Q<sub>1</sub> Yes
- Q<sub>2</sub> No
- Q<sub>3</sub> Don't Know / Refuse

Q.276 **Was a blood CO level, or carboxyhemoglobin (COHb) level, taken for Victim E?**

[REQUIRE ANSWER]

(15701)

- Q<sub>1</sub> Yes
- Q<sub>2</sub> No
- Q<sub>3</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 276 IS NOT 1, THEN SKIP TO QUESTION 278]

Q.277 **What was the level? This number is usually expressed as a percentage.**

INTERVIEWER: Please enter "999" if they respondent doesn't know or refuses to answer. Do not include the percent sign (%).

[REQUIRE ANSWER]

..... \_\_\_\_\_ (15702-15704)

Q.278 **Was any further treatment recommended by the hospital staff or sought by the victim after they were discharged?**

[REQUIRE ANSWER]

(15705)

- Q<sub>1</sub> Yes
- Q<sub>2</sub> No
- Q<sub>3</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 278 IS NOT 1, THEN SKIP TO QUESTION 296]

Q.279 **What treatment was recommended?**

[REQUIRE ANSWER]

\_\_\_\_\_  
(15706-15905)

[A - IF THE ANSWER TO QUESTION 13 IS NOT 3, THEN SKIP TO QUESTION 288]

Q.280 INTERVIEWER: The next set of questions is for victims of FIRE or CONTACT BURN-related injuries.

**What was the Victim E doing when the burn was sustained?**

[REQUIRE ANSWER]

(15906)

Q<sub>1</sub> Refilling tank

Q<sub>2</sub> Passing by generator

Q<sub>3</sub> Other

Q<sub>4</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 280 IS NOT 3, THEN SKIP TO QUESTION 282]

Q.281 **Can you describe what the victim was doing?**

[REQUIRE ANSWER]

\_\_\_\_\_  
(15907-16056)

Q.282 **For Victim E, what body part was burned?**

[REQUIRE ANSWER]

\_\_\_\_\_  
(16057-16206)

**Q.283 How large was the overall burn area?**

INTERVIEWER: Please enter answer as either % of skin surface / L x W in inches; Enter "Do not known" if unknown or refusal.

[REQUIRE ANSWER]

(16207-16256)

**Q.284 What was the most severe level of burn: 1st Degree burn (reddening), 2nd Degree burn (blistering) or 3rd Degree burn (full skin thickness burn)?**

[REQUIRE ANSWER]

(16257)

- Q<sub>1</sub> 1st Degree Burn
- Q<sub>2</sub> 2nd Degree Burn
- Q<sub>3</sub> 3rd Degree Burn
- Q<sub>4</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 284 IS 4, THEN SKIP TO QUESTION 286]

**Q.285 About what fraction of the total burn area was a [ANSWER TO Q. 284] - One quarter, One half, Three Quarters, or Whole burn area?**

[REQUIRE ANSWER]

(16258)

- Q<sub>1</sub> 1/4 of burn area
- Q<sub>2</sub> 1/2 of burn area
- Q<sub>3</sub> 3/4 of burn area
- Q<sub>4</sub> whole burn area
- Q<sub>5</sub> Don't Know / Refuse

**Q.286 Which of the following best describes how was Victim E medically treated?**

INTERVIEWER: Please read to respondent and check one.

[REQUIRE ANSWER]

(16259)

- Q<sub>1</sub> treated and released
- Q<sub>2</sub> admitted to hospital

Q<sub>3</sub> transferred to burn unit

Q<sub>4</sub> Don't Know / Refuse

Q.287 **How was the burn treated? (e.g. bandages and topical antibiotics; skin graft; etc.)**

[REQUIRE ANSWER]

\_\_\_\_\_  
(16260-16359)

[A - IF THE ANSWER TO QUESTION 13 IS NOT 2, THEN SKIP TO QUESTION 295]

Q.288 INTERVIEWER: The next set of questions is for victims of ELECTRICAL SHOCK injuries.

**Where did the electricity enter and exit Victim E's body (what body part)?**

[REQUIRE ANSWER]

\_\_\_\_\_  
(16360-16509)

Q.289 **What did Victim E touch or contact when he/she was shocked?**

INTERVIEWER: please check one

[REQUIRE ANSWER]

(16510)

Q<sub>1</sub> The generator itself

Q<sub>2</sub> Extension cord connected to the generator

Q<sub>3</sub> Appliance being powered by generator

Q<sub>4</sub> Other

Q<sub>5</sub> Don't know / Refuse

[A - IF THE ANSWER TO QUESTION 289 IS NOT 4, THEN SKIP TO QUESTION 291]



**Q.290 Could you please describe the contact source in detail?**

[REQUIRE ANSWER]

---

(16511-16660)

**Q.291 Please describe the situation when the electric shock took place. For example, was the victim standing in puddle; plugging in an appliance; did the victim have shoes on; etc.**

[REQUIRE ANSWER]

---

(16661-16860)

**Q.292 What were the weather conditions?**

[REQUIRE ANSWER]

---

(16861-16960)

**Q.293 Can you describe Victim E's injury severity?**

[REQUIRE ANSWER]

---

(16961-17160)

**Q.294 Who rescued the victim?**

[REQUIRE ANSWER]

---

(17161-17210)

Q.295 **What medical treatment was given to Victim E?**

[REQUIRE ANSWER]

(17211-17360)

Q.296 **How long was the victim in the hospital?**

INTERVIEWER: Enter answer in DAYS. If "treated and released" the same day enter "0". If unknown or refusal to answer enter "99".

[REQUIRE ANSWER]

..... \_\_\_\_\_ (17361-17363)

Q.297 **What is the current status and prognosis for Victim E?**

[REQUIRE ANSWER]

(17364-17563)

Q.298 INTERVIEWER say: "The next series of questions will be about the generator involved that was in the incident. We will start with some questions about the generator's location at the time of the incident. We will then finish up with some questions about the generator itself."

[D - IF THE ANSWER TO QUESTION 24 IS 1-8, THEN SKIP TO QUESTION 300]  
[D - IF THE ANSWER TO QUESTION 36 IS 1-8, THEN SKIP TO QUESTION 300]  
[D - IF THE ANSWER TO QUESTION 91 IS 1-8, THEN SKIP TO QUESTION 300]  
[D - IF THE ANSWER TO QUESTION 144 IS 1-8, THEN SKIP TO QUESTION 300]  
[D - IF THE ANSWER TO QUESTION 197 IS 1-8, THEN SKIP TO QUESTION 300]  
[D - IF THE ANSWER TO QUESTION 250 IS 1-8, THEN SKIP TO QUESTION 300]

[A - IF THE ANSWER TO QUESTION 4 IS 1, THEN SKIP TO QUESTION 315]

Q.299 blank

Q.300 **What is the approximate age (yrs.) of the structure?**

INTERVIEWER: Please enter "999" for "don't know" or refuse.

..... \_\_\_\_\_ (17564-17566)

**Q.301 What is the approximate size (sq. ft.) of the structure where the incident occurred? If the incident occurred in an apartment or condominium please only specify the size of the specific unit not the whole building.**

INTERVIEWER: Please enter "0" (zero) for "don't know" or refuse.

..... \_\_\_\_\_ (17567-17572)

[D - IF THE ANSWER TO QUESTION 24 IS 1-5, THEN SKIP TO QUESTION 303]  
[D - IF THE ANSWER TO QUESTION 36 IS 1-5, THEN SKIP TO QUESTION 303]  
[D - IF THE ANSWER TO QUESTION 91 IS 1-5, THEN SKIP TO QUESTION 303]  
[D - IF THE ANSWER TO QUESTION 144 IS 1-5, THEN SKIP TO QUESTION 303]  
[D - IF THE ANSWER TO QUESTION 197 IS 1-5, THEN SKIP TO QUESTION 303]  
[D - IF THE ANSWER TO QUESTION 250 IS 1-5, THEN SKIP TO QUESTION 303]

[A - IF THE ANSWER TO QUESTION 4 IS 1, THEN SKIP TO QUESTION 305]

**Q.302 blank**

..... \_\_\_\_ (17573)

**Q.303 How many floors are there in the house? Please include the basement as a floor if there is one.**

INTERVIEWER: Please enter "0" (zero) for "don't know" or refuse.

..... \_\_\_\_\_ (17574-17575)

**Q.304 Is the home where the incident occurred a split level home?**

(17576)

Q<sub>1</sub> Yes

Q<sub>2</sub> No

Q<sub>3</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 24 IS 17 OR 19, THEN SKIP TO QUESTION 315]

[A - IF THE ANSWER TO QUESTION 13 IS NOT 1, THEN SKIP TO QUESTION 315]

**Q.305 At the time of the incident, were there any windows open at the location of the generator?**

(17577)

Q<sub>1</sub> Yes

Q<sub>2</sub> No

Q<sub>3</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 305 IS NOT 1, THEN SKIP TO QUESTION 309]

**Q.306 How many windows were fully or partially open?**

INTERVIEWER: Enter "99" for "Don't know" or refuse.

..... \_\_\_\_ (17578-17579)

[A - IF THE ANSWER TO QUESTION 306 IS NOT 1, THEN SKIP TO QUESTION 308]

**Q.307 From the following list, how open would you say the window was at the time of the incident?**

INTERVIEWER: Please read list to respondent.

(17580)

- Q<sub>1</sub> wide open
- Q<sub>2</sub> partially open
- Q<sub>3</sub> open just a crack
- Q<sub>4</sub> Don't know / refuse

[A - IF THE ANSWER TO QUESTION 306 IS 1 OR 99, THEN SKIP TO QUESTION 309]

**Q.308 From the following list, could you tell me which best describes the window situation at the location of the victim at the time of the incident?**

INTERVIEWER: Please read list to respondent.

(17581)

- Q<sub>1</sub> All the open windows were wide open
- Q<sub>2</sub> One or more of the open windows were wide open, others were only partially open
- Q<sub>3</sub> One or more of the open windows were wide open, others were open only a crack
- Q<sub>4</sub> All the open windows were partially open
- Q<sub>5</sub> One or more of the open windows were partially open, others were open only a crack
- Q<sub>6</sub> All the open windows were open only a crack
- Q<sub>7</sub> Don't Know / Refuse

**Q.309 At the time of the incident, was there a door open to the outside at the generator's location?**

(17582)

- Q<sub>1</sub> Yes
- Q<sub>2</sub> No
- Q<sub>3</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 309 IS NOT 1, THEN SKIP TO QUESTION 311]

**Q.310 How open would you say the door was?**

INTERVIEWER: Please read list to respondent.

(17583)

Q<sub>1</sub> wide open

Q<sub>2</sub> partially open

Q<sub>3</sub> open just a crack

Q<sub>4</sub> Don't know / refuse

[A - IF THE ANSWER TO QUESTION 24 IS NOT 10 OR 11, THEN SKIP TO QUESTION 313]

**Q.311 Was the garage door open?**

(17584)

Q<sub>1</sub> Yes

Q<sub>2</sub> No

Q<sub>3</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 311 IS NOT 1, THEN SKIP TO QUESTION 313]

**Q.312 How open would you say the garage door was?**

INTERVIEWER: Please read list to respondent.

(17585)

Q<sub>1</sub> wide open

Q<sub>2</sub> partially open

Q<sub>3</sub> open just a crack

Q<sub>4</sub> Don't know / refuse

**Q.313 Was there any other type of ventilation at the generator's location such as a fan running or an air conditioner?**

(17586)

Q<sub>1</sub> Yes

Q<sub>2</sub> No

Q<sub>3</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 313 IS NOT 1, THEN SKIP TO QUESTION 315]

Q.314 **What other type of ventilation was used at the generator's location?**

(17587-17686)

Q.315 **What type of generator was involved, a portable generator or a fixed-site stationary model?**

[REQUIRE ANSWER]

(17687)

Q<sub>1</sub> portable

Q<sub>2</sub> fixed site stationary

Q<sub>3</sub> Don't know / Refuse

[A - IF THE ANSWER TO QUESTION 315 IS NOT 2, THEN SKIP TO QUESTION 318]

Q.316 **Do you know who installed the generator?**

INTERVIEWER --> Do not read choices unless necessary.

[REQUIRE ANSWER]

(17688)

Q<sub>1</sub> professional electrician

Q<sub>2</sub> owner

Q<sub>3</sub> local handyman

Q<sub>4</sub> other

Q<sub>5</sub> Don't know / Refuse

[A - IF THE ANSWER TO QUESTION 316 IS NOT 4, THEN SKIP TO QUESTION 321]

Q.317 **Could you describe who installed the generator?**

[REQUIRE ANSWER]

(17689-17708)

[A - IF THE ANSWER TO QUESTION 24 IS NOT 17, THEN SKIP TO QUESTION 321]

Q.318 **How close was the generator to the structure where the victims were found?**

[REQUIRE ANSWER]

(17709-17758)

Q.319 **Were there any open or partially open windows, doors, vents (like a dryer duct or exhaust fan outlet) or a window air conditioner near the generator?**

[REQUIRE ANSWER]

(17759)

Q<sub>1</sub> Yes

Q<sub>2</sub> No

Q<sub>3</sub> Don't Know

[A - IF THE ANSWER TO QUESTION 319 IS NOT 1, THEN SKIP TO QUESTION 321]

Q.320 **Please explain.**

[REQUIRE ANSWER]

(17760-17909)

Q.321 **What type of fuel did the generator use?**

[REQUIRE ANSWER]

(17910)

Q<sub>1</sub> gasoline

Q<sub>2</sub> propane

Q<sub>3</sub> natural gas

Q<sub>4</sub> diesel

Q<sub>5</sub> kerosene

Q<sub>6</sub> Don't know / Refuse

[A - IF THE ANSWER TO QUESTION 321 IS 6, THEN SKIP TO QUESTION 323]

**Q.322 Was the generator originally designed for [ANSWER TO Q. 321] use? If not, what type of fuel was it originally designed for?**

[REQUIRE ANSWER]

(17911)

- Q<sub>1</sub> Same fuel type used as originally designed
- Q<sub>2</sub> gasoline
- Q<sub>3</sub> propane
- Q<sub>4</sub> natural gas
- Q<sub>5</sub> diesel
- Q<sub>6</sub> kerosene
- Q<sub>7</sub> don't know / refuse

**Q.323 What was the brand of generator?**

INTERVIEWER: Read list.

[REQUIRE ANSWER]

(17912)

- Q<sub>1</sub> Coleman
- Q<sub>2</sub> Generac
- Q<sub>3</sub> Honda
- Q<sub>4</sub> Sears/Craftsman
- Q<sub>5</sub> Troy-Bilt
- Q<sub>6</sub> other
- Q<sub>7</sub> Don't know / Refuse

[A - IF THE ANSWER TO QUESTION 323 IS NOT 6, THEN SKIP TO QUESTION 325]

**Q.324 What brand name is listed on the generator?**

[REQUIRE ANSWER]

---

(17913-17942)

**Q.325 Do you know the model of the generator?**

[REQUIRE ANSWER]

(17943)

- Q<sub>1</sub> Yes
- Q<sub>2</sub> No
- Q<sub>3</sub> Don't Know / Refuse

[A - IF THE ANSWER TO QUESTION 325 IS NOT 1, THEN SKIP TO QUESTION 327]



Q.326 **What is the generator model?**

[REQUIRE ANSWER]

(17944-17973)

[A - IF THE ANSWER TO QUESTION 325 IS 1, THEN SKIP TO QUESTION 330]

Q.327 **What are the approximate dimensions of the generator in inches?**

INTERVIEWER: List as Length by Width by Height separated by "x", for example, 30x18x20. Enter "999" for unknown.

[REQUIRE ANSWER]

(17974-17988)

[A - IF THE ANSWER TO QUESTION 315 IS 2, THEN SKIP TO QUESTION 330]

Q.328 **Can it be hand carried by one person?**

[REQUIRE ANSWER]

(17989)

Q<sub>1</sub> Yes

Q<sub>2</sub> No

Q<sub>3</sub> Don't know / Refuse

Q.329 **Does it have two or more wheels for transporting it?**

[REQUIRE ANSWER]

(17990)

Q<sub>1</sub> Yes

Q<sub>2</sub> No

Q<sub>3</sub> Don't know / Refuse

Q.330 **Could you tell me what the wattage output rating of the generator is?**

INTERVIEWER: Please enter "999" for "Don't know" or refusal.

[REQUIRE ANSWER]

(17991-17995)

[A - IF THE ANSWER TO QUESTION 330 IS 999, THEN SKIP TO QUESTION 333]

**Q.331 How was this wattage output rating specified as? Was this "run watts", "continuous watts", "surge watts", "starting watts" or "maximum watts"?**

[REQUIRE ANSWER]

(17996)

- Q<sub>1</sub> run watts
- Q<sub>2</sub> continuous watts
- Q<sub>3</sub> surge watts
- Q<sub>4</sub> starting watts
- Q<sub>5</sub> maximum watts
- Q<sub>6</sub> other
- Q<sub>7</sub> don't know / refuse

[A - IF THE ANSWER TO QUESTION 331 IS NOT 6, THEN SKIP TO QUESTION 333]

**Q.332 How was the wattage rating defined?**

[REQUIRE ANSWER]

(17997-18046)

**Q.333 Could you tell me what the engine horsepower rating is?**

INTERVIEWER: Please enter "999" for "Don't know" or refusal.

[REQUIRE ANSWER]

..... (18047-18051)

**Q.334 I will give you a list of choices, please pick the one that best describes how you/the user obtained the generator:**

INTERVIEWER: Read list.

[REQUIRE ANSWER]

(18052)

- Q<sub>1</sub> purchased - new
- Q<sub>2</sub> purchased - previously owned
- Q<sub>3</sub> rented
- Q<sub>4</sub> borrowed
- Q<sub>5</sub> FEMA supplied
- Q<sub>6</sub> other
- Q<sub>7</sub> Don't know / Refuse

[A - IF THE ANSWER TO QUESTION 334 IS NOT 6, THEN SKIP TO QUESTION 336]

Q.335 **How was the generator obtained?**

[REQUIRE ANSWER]

(18053-18152)

[A - IF THE ANSWER TO QUESTION 334 IS 4 OR 5 OR 6 OR 7, THEN SKIP TO QUESTION 337]

Q.336 **What is the name of the retailer / rental company from which you obtained the generator?**

[REQUIRE ANSWER]

(18153-18252)

Q.337 **When was the generator first obtained?**

INTERVIEWER: If the respondent gives a specific date, use MM/DD/YY format. Otherwise, enter whatever they provide (e.g. "Last summer", "Last June", etc.) Enter **unknown** if date unknown or refusal.

[REQUIRE ANSWER]

(18253-18352)

Q.338 **Had the generator been working properly before this incident?**

[REQUIRE ANSWER]

(18353)

q<sub>1</sub> Yes

q<sub>2</sub> No

q<sub>3</sub> Don't know / Refuse

[A - IF THE ANSWER TO QUESTION 338 IS NOT 2, THEN SKIP TO QUESTION 340]

**Q.339 What types of problems did the generator have?**

[REQUIRE ANSWER]

(18354-18503)

**Q.340 Had the product been modified or repaired prior to the incident?**

[REQUIRE ANSWER]

(18504)

Q<sub>1</sub> Yes

Q<sub>2</sub> No

Q<sub>3</sub> Don't know / Refuse

[A - IF THE ANSWER TO QUESTION 340 IS NOT 1, THEN SKIP TO QUESTION 342]

**Q.341 Could you please explain what had been done to repair or modify the product and by whom and why?**

[REQUIRE ANSWER]

(18505-18654)

**Q.342 Did you or the primary user receive an owner's manual with the generator?**

[REQUIRE ANSWER]

(18655)

Q<sub>1</sub> Yes

Q<sub>2</sub> No

Q<sub>3</sub> Don't know / Refuse

[A - IF THE ANSWER TO QUESTION 342 IS NOT 1, THEN SKIP TO QUESTION 344]

**Q.343 Do you or the user still have the manual?**

[REQUIRE ANSWER]

(18656)

Q<sub>1</sub> Yes

Q<sub>2</sub> No

Q<sub>3</sub> Don't know / Refuse

**Q.344 Prior to use, did any user or victim see the owner's manual or see the manufacturer's hazard warnings on the generator regarding the possibility of injury?**

[REQUIRE ANSWER]

(18657)

Q<sub>1</sub> Yes

Q<sub>2</sub> No

Q<sub>3</sub> Don't know / Refuse

**Q.345 When you or the user obtained the generator, did any other safety information on potential generator hazards come with it?**

[REQUIRE ANSWER]

(18658)

Q<sub>1</sub> Yes

Q<sub>2</sub> No

Q<sub>3</sub> Don't know / Refuse

**Q.346 When you or the user obtained the generator, do you recall seeing or hearing any advice on the need or benefit of getting and using a CO alarm when operating the generator?**

[REQUIRE ANSWER]

(18659)

Q<sub>1</sub> Yes

Q<sub>2</sub> No

Q<sub>3</sub> Don't know / Refuse

**Q.347 At the time of the incident, was a CO alarm in use?**

[REQUIRE ANSWER]

(18660)

Q<sub>1</sub> Yes

Q<sub>2</sub> No

Q<sub>3</sub> Don't know / Refuse

[A - IF THE ANSWER TO QUESTION 347 IS NOT 1, THEN SKIP TO QUESTION 350]

Q.348 **Where was the CO alarm in relation to the generator and the victim?**

[REQUIRE ANSWER]

---

(18861-18860)

Q.349 **Did the CO alarm give a warning?**

[REQUIRE ANSWER]

(18861)

Q<sub>1</sub> Yes

Q<sub>2</sub> No

Q<sub>3</sub> Don't know / Refuse

Q.350 **Had you or the user ever used the generator prior to this incident and, if so, how often?**

INTERVIEWER: Select the choice from the list that best fits the respondents reply.

[REQUIRE ANSWER]

(18862)

Q<sub>1</sub> No, this was the first time

Q<sub>2</sub> Yes, once before

Q<sub>3</sub> Yes, but not recently

Q<sub>4</sub> Yes, quite often

Q<sub>5</sub> Don't know / Refuse

[A - IF THE ANSWER TO QUESTION 350 IS 1 OR 6, THEN SKIP TO QUESTION 352]

Q.351 **When was the last time that the generator was used prior to this incident?**

INTERVIEWER: If the respondent gives a specific date, use MM/DD/YY format. Otherwise, enter whatever they provide (e.g. "Last summer", "Last June", etc.) Entē~~ed~~**unknown**" if date is not known or refusal.

[REQUIRE ANSWER]

---

(18863-18892)

**Q.352 What level of experience did you or the user have in operating generators in general?**

INTERVIEWER: Please select the response that best fits the respondents reply.

[REQUIRE ANSWER]

(18893)

- Q<sub>1</sub> Never used one before
- Q<sub>2</sub> Have used one once before
- Q<sub>3</sub> Occasionally used one, but not recently
- Q<sub>4</sub> Occasionally use one
- Q<sub>5</sub> Use one regularly
- Q<sub>6</sub> Don't know / Refuse

**Q.353 At what time of day did this incident occur?**

If the respondent provides a time, use the HH:MM am/pm format. Otherwise, enter what the respondent replies.  
(e.g. "In the evening", "Around noon", etc.)

[REQUIRE ANSWER]

(18894-18943)

**Q.354 How were appliances connected to the generator for use?**

INTERVIEWER: Select the choice that best fits the respondent's answer.

[REQUIRE ANSWER]

(18944)

- Q<sub>1</sub> items were plugged directly into the generator's outlet sockets
- Q<sub>2</sub> items were connected via extension cords
- Q<sub>3</sub> professionally-installed transfer switch to power the whole home
- Q<sub>4</sub> homeowner-installed transfer switch to power the whole home
- Q<sub>5</sub> generator was plugged directly into a wall outlet to power the whole home
- Q<sub>6</sub> other
- Q<sub>7</sub> Don't know / Refuse

[A - IF THE ANSWER TO QUESTION 354 IS NOT 6, THEN SKIP TO QUESTION 356]

**Q.355 Could you please describe how the appliances were connected to the generator?**

[REQUIRE ANSWER]

(18945-19044)

---

[A - IF THE ANSWER TO QUESTION 354 IS NOT 1 OR 2, THEN SKIP TO QUESTION 359]

**Q.356 How were the extension cords or the appliance cords run to the generator? From the following list, please choose the answer that best fits the situation.**

INTERVIEWER: Please read list to respondent.

[REQUIRE ANSWER]

(19045)

- Q<sub>1</sub> Appliance was in the same room as the generator
- Q<sub>2</sub> Cords were run through an open window
- Q<sub>3</sub> Cords were run through a window just open enough to allow the cord through
- Q<sub>4</sub> Cords were run through an open doorway
- Q<sub>5</sub> Cords were run through a doorway just open enough to allow the cord through
- Q<sub>6</sub> Cords were run through a hole in the wall
- Q<sub>7</sub> Other

[A - IF THE ANSWER TO QUESTION 356 IS NOT 7, THEN SKIP TO QUESTION 359]

**Q.357 Could you please give me some details?**

[REQUIRE ANSWER]

(19046-19245)

---



Q.358 **Could you describe any other way that you or someone else tried to isolate or seal off the generator from location of the victims.**

INTERVIEWER: Enter None" if no attempt was made to isolate the generator. Enter Don't know" if the respondent doesn't know or Refuse" if they refuse to answer the question.

[REQUIRE ANSWER]

---

(19246-19445)

Q.359 **Prior to this incident, did you or the primary user know of any hazards associated with portable generators?**

[REQUIRE ANSWER]

(19446)

Q<sub>1</sub> Yes

Q<sub>2</sub> No

Q<sub>3</sub> Don't know / Refuse

[A - IF THE ANSWER TO QUESTION 359 IS NOT 1, THEN SKIP TO QUESTION 362]

Q.360 **What hazards were known by the user prior to use?**

[REQUIRE ANSWER]

(19447-19450)

Q<sub>1</sub> electrocution or shock

Q<sub>2</sub> carbon monoxide poisoning

Q<sub>3</sub> fire

Q<sub>4</sub> contact burn

Q<sub>5</sub> Don't know / Refuse

Q.361 **How did the user learn of these hazards?**

[REQUIRE ANSWER]

(19451-19600)

Q.362 **When the victim(s) were found, was the generator engine still running?**

[REQUIRE ANSWER]

(19601)

Q<sub>1</sub> Yes

Q<sub>2</sub> No

Q<sub>3</sub> Don't know / Refuse

[A - IF THE ANSWER TO QUESTION 362 IS 1, THEN SKIP TO QUESTION 364]

Q.363 **Was the generator switch in the ON or OFF position?**

[REQUIRE ANSWER]

(19602)

Q<sub>1</sub> On

Q<sub>2</sub> Off

Q<sub>3</sub> Don't know / Refuse

Q.364 **When the victim(s) were found, how much fuel was in the generator's tank?**

[REQUIRE ANSWER]

(19603)

Q<sub>1</sub> empty

Q<sub>2</sub> partially full

Q<sub>3</sub> full

Q<sub>4</sub> Don't know / Refuse

Q.365 **How many times had the generator's fuel tank been refilled during this incident (not including the initial fill up)?**

INTERVIEWER: If the generator was in continuous use (for example, if the generator was the regular source of power to the home/structure) enter 88". If unknown enter 99".

[REQUIRE ANSWER]

..... \_\_\_\_\_ (19604-19605)

Q.366 **At the time of the incident was the victim interacting with the generator (For example, was the victim refilling the tank?)**

[REQUIRE ANSWER]

(19606)

Q<sub>1</sub> Yes

Q<sub>2</sub> No

Q<sub>3</sub> Don't know / Refuse

[A - IF THE ANSWER TO QUESTION 366 IS NOT 1, THEN SKIP TO QUESTION 368]

Q.367 **What was the victim doing?**

[REQUIRE ANSWER]

(19607-19756)

Q.368 **This concludes the survey. I thank you very much for your cooperation and your time in this effort to prevent generator related injuries in the future.**

**If I missed anything, may I call you back?**

INTERVIEWER: Terminate call after entering answer. Enter date this interview was completed on next screen.

[REQUIRE ANSWER]

(19757)

Q<sub>1</sub> Yes

Q<sub>2</sub> No

[S - IF THE ANSWER IS 1 OR 2, THEN SKIP TO QUESTION 370]

[S - IF THE ANSWER IS 1 OR 2, THEN SKIP TO QUESTION 370]

Q.369 **Thank you for your time.**

INTERVIEWER: Terminate call. Enter date this interview was completed on next screen.

Q.370 INTERVIEWER: What is the date this interview was completed? (MM/DD/YY)

[REQUIRE ANSWER]

(19758-19767)

