

B-55. What is the name of this problem?

96-97

DK 98

B-56. In what year was it first diagnosed?

98-99

1 | 1 | 9 | | |
DK 98

B-57. At any time since 1978, have you ever received a blood transfusion?

YES 1 (B-58)
NO 2 (B-60)
DK 8 (B-60) .00

B-58. How many times since 1978 have you received a transfusion?

101-102

| | |
TIMES
DK 98

B-59. In what year did you last receive a transfusion?

103-104

1 | 1 | 9 | | |
DK 98

B-60. At any time since 1978, have you ever had kidney dialysis?

YES 1 (B-61)
NO 2 (B-63)
DK 8 (B-63) .05

B-61. How many times since 1978 have you had dialysis?

 |_|_|_|
 # TIMES
DK 998

106-108

B-62. In what year did you last have dialysis?

 | 1 | 9 | | |
STILL IN DIALYSIS 96
DK 98

109-110

B-63. At any time since 1978, have you received any other blood products, such as clotting factors or plasma?

YES 1 (B-64)
NO 2 (B-67)
DK 8 (B-67)

111

B-64. What were these products?

a. _____ 112-113
 114-115
b. _____ 116-117
c. _____ 118-119
DK 98

B-65. How many times since 1978 have you received (this/these) other product(s)?

 |_|_|
 # TIMES
DK 98

120-121

B-66. In what year did you last receive (this/them)?

 | 1 | 9 | | |
DK 98

122-123

| <p><u>In the past five years</u> have you seen a doctor <u>more than once</u> for (CONDITION)?</p> | <p>In what year did you <u>first</u> see a doctor for this problem, <u>even if it was more than five years ago?</u></p> | <p><u>During the past five years</u>, how many times has this problem occurred?</p> | |
|--|---|--|--------------|
| <p>B-67a. Sinus infections?</p> <p>YES 1 (B-67b) NO 2 (B-68a) DK 8 (B-68a)</p> | <p>B-67b.</p> <p> 1 9 </p> <p>DK 98 (B-67c)</p> | <p>B-67c.</p> <p> # TIMES CONTINUOUSLY 96 DK 98 (B-68a)</p> | <p>16-20</p> |
| <p>B-68a. Other sinus problems?</p> <p>YES 1 (B-68b) NO 2 (B-69a) DK 8 (B-69a)</p> | <p>B-68b.</p> <p> 1 9 </p> <p>DK 98 (B-68c)</p> | <p>B-68c.</p> <p> # TIMES CONTINUOUSLY 96 DK 98 (B-69a)</p> | <p>21-25</p> |
| <p>B-69a. Skin infections?</p> <p>YES 1 (B-69b) NO 2 (B-70a) DK 8 (B-70a)</p> | <p>B-69b.</p> <p> 1 9 </p> <p>DK 98 (B-69c)</p> | <p>B-69c.</p> <p> # TIMES CONTINUOUSLY 96 DK 98 (B-70a)</p> | <p>26-30</p> |
| <p>B-70a. Lung infections?</p> <p>YES 1 (B-70b) NO 2 (B-71a) DK 8 (B-71a)</p> | <p>B-70b.</p> <p> 1 9 </p> <p>DK 98 (B-70c)</p> | <p>B-70c.</p> <p> # TIMES CONTINUOUSLY 96 DK 98 (B-71a)</p> | <p>31-35</p> |

| At any time in your life, have you seen a doctor for (CONDITION)? | In what year did you first see a doctor for this problem? | During the past five years, how often has this problem occurred? |
|---|--|---|
| B-71a. Frequent nose bleeds? YES 1 (B-71b) NO 2 (B-72a) DK 8 (B-72a) | B-71b. 1 9 DK 98 (B-71c) | B-71c. # TIMES DK 98 (B-72a) |
| B-72a. Nasal polyps, noncancerous growths inside the nose? YES 1 (B-72b) NO 2 (B-73a) DK 8 (B-73a) | B-72b. 1 9 DK 98 (B-72c) | B-72c. # TIMES DK 98 (B-73a) |
| B-73a. Any other nose problem? YES 1 (B-73b) _____ (SPECIFY) NO 2 (B-74a) DK 8 (B-74a) | B-73b. 1 9 DK 98 (B-73c) | B-73c. # TIMES DK 98 (B-74a) |
| B-74a. Enlarged lymph nodes or glands that lasted at least a month? YES 1 (B-74b) NO 2 (B-75) DK 8 (B-75) | B-74b. 1 9 DK 98 (B-74c) | B-74c. # TIMES CONTINUOUSLY 96 DK 98 (B-75) |

36-40

41-45

46-52

53-57

B-75. Did you ever use nose drops or sprays on a regular basis, that is, an average of at least once a week for a year or longer?

YES 1 (B-76)
 NO 2 (B-78)
 DK 8 (B-78)

58

B-76. In what year did you first start using nose drops or sprays regularly?

| 1 | 9 | | |
 DK 98

59-60

B-77. In what year did you stop?

1 1 9 | | |
 STILL USING 96
 DK 98

61-62

B-78. Before two years ago, did you ever receive radiation such as cobalt or radioisotopes for treatment of a medical problem? Include radioactive material that was implanted in your body. (Do not include x-rays done to diagnose a problem, only those for treatment.)

YES 1 (B-79)
 NO 2 (B-83)
 DK 8 (B-83)

63

64-65

| | a. 1ST TREATMENT | b. 2ND TREATMENT | c. 3RD TREATMENT |
|---|---|---|---|
| B-79. For what reason were you (first/next) given radiotherapy treatment? | ANGIOMA 01 CANCER 02 THYMUS TROUBLE . . 03 THYROID TROUBLE . . 04 TONSILS 05 OTHER 06 _____ (SPECIFY) DK 98 | ANGIOMA 01 CANCER 02 THYMUS TROUBLE . . 03 THYROID TROUBLE . . 04 TONSILS 05 OTHER 06 _____ (SPECIFY) DK 98 | ANGIOMA 01 CANCER 02 THYMUS TROUBLE . . 03 THYROID TROUBLE . . 04 TONSILS 05 OTHER 06 _____ (SPECIFY) DK 98 |
| B-80. To which parts of your body was the treatment given? (PROBE FOR SIDE OF BODY) | 1. _____ BODY SITE 2. _____ BODY SITE | 1. _____ BODY SITE 2. _____ BODY SITE | 1. _____ BODY SITE 2. _____ BODY SITE |
| B-81. In what year did you first receive this treatment? | 1 1 9 DK 98 | 1 1 9 DK 98 | 1 1 9 DK 98 |
| B-82. Have you received any other radiation treatments before two years ago? | YES. . . 1 (B-79b) NO . . . 2 (B-83) DK . . . 8 (B-83) | YES. . . 1 (B-79c) NO . . . 2 (B-83) DK . . . 8 (B-83) | YES. . . 1 (B-79d) NO . . . 2 (B-83) DK . . . 8 (B-83) |

66-71

72-77

78-83

84-89

90-92

93-118

B-83. Did you ever receive injections or shots on a regular basis for a medical condition such as allergies, diabetes, anemia, pernicious anemia, asthma or something else?

YES 1 (B-84)
 NO 2 (B-91)
 DK 8 (B-91)

16

17-18

| | a. 1ST CONDITION | b. 2ND CONDITION | |
|---|---|---|--|
| B-84. For what condition did you receive regular injections? | ALLERGY 01 DIABETES 02 ANEMIA 03 PERNICIOUS ANEMIA 04 ASTHMA 05 OTHER 06 (SPECIFY) DK 98 | ALLERGY 01 DIABETES 02 ANEMIA 03 PERNICIOUS ANEMIA 04 ASTHMA 05 OTHER 06 (SPECIFY) DK 98 | 19-22 |
| B-85. What medication did you get? | 1. _____ MEDIATION 2. _____ MEDIATION DK 98 | 1. _____ MEDIATION 2. _____ MEDIATION DK 98 | 23-28 29-34 |
| B-86. In what year did you first receive these injections? | 1 9 DK 98 | 1 9 DK 98 | 35-38 |
| B-87. How often did you usually receive these injections? | DAY 1 WEEK 2 # TIMES MONTH 3 PER YEAR 4 DK 98 | DAY 1 WEEK 2 # TIMES MONTH 3 PER YEAR 4 DK 98 | 39-44 |
| B-88. For how many years did you receive these injections? | # YEARS LESS THAN 1 YEAR 00 DK 98 | # YEARS LESS THAN 1 YEAR 00 DK 98 | 45-48 |
| B-89. In which parts of your body were these shots usually given? (PROBE FOR ALL PARTS OF BODY) (CIRCLE ALL THAT APPLY) | ARMS 1 THIGHS 1 BUTTOCK 1 STOMACH 1 OTHER 1 (SPECIFY) DK 8 | ARMS 1 THIGHS 1 BUTTOCK 1 STOMACH 1 OTHER 1 (SPECIFY) DK 8 | 49-50 51-52 53-54 55-56 57-58 59-62 |
| B-90. Have you received shots on a regular basis for any other medical conditions? | YES 1 (B-84b) NO 2 (B-91) DK 8 (B-91) | YES 1 (B-84c) NO 2 (B-91) DK 8 (B-91) | 63-64 |

65-109

B-91. Did you ever use drugs prescribed by a doctor to help you lose weight?

YES 1 (B-92a)
 NO 2 (B-96)
 DK 8 (B-96)

16

| Did you ever use: | What year did you first start? | What year did you last use it? | How often did you use the (DRUG)? | |
|--|---|---|---|-------|
| B-92a. Dexedrine? YES 1 (B-92b) NO 2 (B-93a) DK 8 (B-93a) | B-92b. 1 9 DK 98 (B-92c) | B-92c. 1 9 DK 98 (B-92d) | B-92d. DAY 1 WEEK 2 # TIMES MONTH 3 PER YEAR 4 DK '98 (B-93a) | 17-24 |
| B-93a. Benzedrine? YES 1 (B-93b) NO 2 (B-94a) DK 8 (B-94a) | B-93b. 1 9 DK 98 (B-93c) | B-93c. 1 9 DK 98 (B-93d) | B-93d. DAY 1 WEEK 2 # TIMES MONTH 3 PER YEAR 4 DK '98 (B-94a) | 25-32 |
| B-94a. Other Amphetamines? YES 1 (B-94b) NO 2 (B-95a) DK 8 (B-95a) | B-94b. 1 9 DK 98 (B-94c) | B-94c. 1 9 DK 98 (B-94d) | B-94d. DAY 1 WEEK 2 # TIMES MONTH 3 PER YEAR 4 DK '98 (B-95a) | 33-40 |
| B-95a. Something else prescribed by a doctor for losing weight? YES 1 (B-95b) _____ (SPECIFY) NO 2 (B-96) DK 8 (B-96) | B-95b. 1 9 DK 98 (B-95c) | B-95c. 1 9 DK 98 (B-95d) | B-95d. DAY 1 WEEK 2 # TIMES MONTH 3 PER YEAR 4 DK '98 (B-96) | 41-50 |

B-96. Did you ever take a drug to lower your cholesterol?

| | | |
|---------------|----------|----|
| YES | 1 (B-97) | |
| NO | 2 (B-98) | 51 |
| DK | 8 (B-98) | |

B-97. Was the drug:

| | <u>YES</u> | <u>NO</u> | <u>DK</u> | |
|---------------------------|------------|-----------|-----------|-------|
| Clofibrate? | 1 | 2 | 8 | 52 |
| Atromid-S? | 1 | 2 | 8 | 53 |
| Something else? | 1 | 2 | 8 | 54 |
| | | | | 55-56 |

(SPECIFY)

B-98. Did you ever have malaria?

| | | |
|---------------|-----------|----|
| YES | 1 (B-99) | |
| NO | 2 (B-105) | 57 |
| DK | 8 (B-105) | |

B-99. Did you ever take medication to treat or cure malaria?

YES 1 (B-100)
 NO 2 (B-105)
 DK 8 (B-105)

58

59-60

| | a. 1ST MEDICATION | b. 2ND MEDICATION |
|--|--|--|
| B-100. What color were the pills? | WHITE 01 PINK 02 YELLOW 03 RED 04 ORANGE 05 OTHER 06 _____ (SPECIFY) DK 98 | WHITE 01 PINK 02 YELLOW 03 RED 04 ORANGE 05 OTHER 06 _____ (SPECIFY) DK 98 |
| B-101. What was the name of the medication that you took? | DAPSONE 01 CHLOROQUINE 02 ARALEN 03 DARAPRIM 04 FANSIDAR 05 OTHER 06 _____ (SPECIFY) DK 98 | DAPSONE 01 CHLOROQUINE 02 ARALEN 03 DARAPRIM 04 FANSIDAR 05 OTHER 06 _____ (SPECIFY) DK 98 |
| B-102. In what year did you first take (MEDICATION)? | 1 9 DK 98 | 1 9 DK 98 |
| B-103. Altogether, how long did you take (MEDICATION)? | DAYS . . . 1 WEEKS . . . 2 # MONTHS . . 3 YEARS . . . 4 DK 98 | DAYS . . . 1 WEEKS . . . 2 # MONTHS . . 3 YEARS . . . 4 DK 98 |
| B-104. Have you taken any other medication to treat or cure malaria? | YES 1 (B-100b) NO 2 (B-105) DK 8 (B-105) | YES 1 (B-100c) NO 2 (B-105) DK 8 (B-105) |

61-64

65-68

69-72

73-78

79-80

81-99

B-105. Did you ever take medication to prevent you from getting malaria?

YES 1 (B-116)
 NO 2 (B-112)
 DK 8 (B-112)

16

17-18

| | a. 1ST MEDICATION | b. 2ND MEDICATION |
|--|---|---|
| B-106. What color were the pills? | WHITE 01 PINK 02 YELLOW 03 RED 04 ORANGE 05 OTHER 06 <hr/> (SPECIFY) DK 98 | WHITE 01 PINK 02 YELLOW 03 RED 04 ORANGE 05 OTHER 06 <hr/> (SPECIFY) DK 98 |
| B-107. What was the name of the medication that you took? | DAPSONE 01 CHLOROQUINE 02 ARALEN 03 DARAPRIM 04 FANSIDAR 05 OTHER 06 <hr/> (SPECIFY) DK 98 | DAPSONE 01 CHLOROQUINE 02 ARALEN 03 DARAPRIM 04 FANSIDAR 05 OTHER 06 <hr/> (SPECIFY) DK 98 |
| B-108. How many times a week did you take the pills? | # TIMES PER WEEK LESS THAN 1 PER WEEK . . . 00 DK 98 | # TIMES PER WEEK LESS THAN 1 PER WEEK . . . 00 DK 98 |
| B-109. In what year did you first take (MEDICATION)? | 1 9 DK 98 | 1 9 DK 98 |
| B-110. Altogether, how long did you take (MEDICATION)? | DAYS . . . 1 WEEKS . . . 2 # MONTHS . . . 3 YEARS . . . 4 DK 98 | DAYS . . . 1 WEEKS . . . 2 # MONTHS . . . 3 YEARS . . . 4 DK 98 |
| B-111. Have you taken any other medication to prevent getting malaria? | YES 1 (B-106b) NO 2 (B-112) DK 8 (B-112) | YES 1 (B-116c) NO 2 (B-112) DK 8 (B-112) |

19-22

23-26

27-30

31-34

35-40

41-42

43-65

| Have you ever taken: | In what year did you <u>first</u> take them? | |
|--|---|-------|
| B-112a. Drugs to build muscles? YES 1 (B-112b) NO 2 (B-113a) DK 8 (B-113a) | B-112b. 1 9 YEAR DK 98 (B-113a) | 66-68 |
| B-113a. Testosterone or other male hormones? YES 1 (B-113b) NO 2 (B-114) DK 8 (B-114) | B-113b. 1 9 YEAR DK 98 (B-114) | 69-71 |

B-114. Did you ever take drugs for seizures or epilepsy?

YES 1 (B-115)
 NO 2 (BOX B) 72
 DK 8 (BOX B)

B-115. What drugs did you take? (CIRCLE ALL THAT APPLY)

DILANTIN 1 73
 HYDANTOIN 1 74
 MESANTOIN 1 75
 PHENOBARBITAL 1 76
 OTHER 1 77
 73-79

(SPECIFY)
 DK 8

B-116. In what year did you first begin taking these drugs?

| 1 | 9 | | | 80-81
 DK 98

B-122. Have any of your closest blood relatives, that is parents, sisters, brothers or children, ever had any type of cancer?

YES 1 (B-123a)
 NO 2 (B-128a)
 DK 8 (B-128a)

16

17-18

| | a. 1ST RELATIVE | b. 2ND RELATIVE | c. 3RD RELATIVE |
|---|--|--|--|
| B-123. Who was the (first/next) relative who had cancer? | MOTHER 1 FATHER 2 SISTER 3 BROTHER 4 CHILD 5 | MOTHER 1 FATHER 2 SISTER 3 BROTHER 4 CHILD 5 | MOTHER 1 FATHER 2 SISTER 3 BROTHER 4 CHILD 5 |
| B-124. What type of cancer did your (RELATIVE) have? | 1. _____ 1ST SITE/TYPE 2. _____ 2ND SITE/TYPE DK 998 | 1. _____ 1ST SITE/TYPE 2. _____ 2ND SITE/TYPE DK 998 | 1. _____ 1ST SITE/TYPE 2. _____ 2ND SITE/TYPE DK 998 |
| B-125. How old was your (RELATIVE) when the cancer was diagnosed? | 1. AGE DK 98 2. AGE DK 98 | 1. AGE DK 98 2. AGE DK 98 | 1. AGE DK 98 2. AGE DK 98 |
| B-126. In what year was the cancer diagnosed? | 1. 1 9 YEAR DK 98 2. 1 9 YEAR DK 98 | 1. 1 9 YEAR DK 98 2. 1 9 YEAR DK 98 | 1. 1 9 YEAR DK 98 2. 1 9 YEAR DK 98 |
| B-127. Have any other of your closest blood relatives had cancer? | YES 1 (B-123b) NO 2 (B-128a) DK 8 (B-128a) | YES 1 (B-123c) NO 2 (B-128a) DK 8 (B-128a) | YES 1 (B-123d) NO 2 (B-128a) DK 8 (B-128a) |

19-21

22-33

34-45

46-51

52-57

58-63

64-69

70-72

73-125

| Did any of your closest blood relatives, again that is mother, father, brothers, sisters, or children, ever have any of the following: | Which relatives? (CIRCLE ALL THAT APPLY) |
|---|---|
| <p>B-128a. Alzheimer's disease or early senility? YES 1 (B-128b) NO 2 (B-129a) DK 8 (B-129a)</p> | <p>B-128b. MOTHER 1 FATHER 1 SISTER 1 BROTHER 1 CHILD 1 (B-129a)</p> |
| <p>B-129a. Familial polyposis or Gardner's Syndrome? YES 1 (B-129b) NO 2 (B-130a) DK 8 (B-130a)</p> | <p>B-129b. MOTHER 1 FATHER 1 SISTER 1 BROTHER 1 CHILD 1 (B-130a)</p> |
| <p>B-130a. Familial hydronephrosis? YES 1 (B-130b) NO 2 (B-131a) DK 8 (B-131a)</p> | <p>B-130b. MOTHER 1 FATHER 1 SISTER 1 BROTHER 1 CHILD 1 (B-131a)</p> |
| <p>B-131a. A stroke? YES 1 (B-131b) RELATIVE HAD SOME- THING, NOT SURE IT WAS A STROKE . . 2 (B-131b) NO 3 (SECTION C) DK 8 (SECTION C)</p> | <p>B-131b. MOTHER 1 FATHER 1 SISTER 1 BROTHER 1 CHILD 1 (SECTION C)</p> |

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SECTION C

OCCUPATION AND EXPOSURE

Now I would like some information about the jobs you have had since you were 18 years old. That would be since 19____. Include full-time and part-time jobs but only jobs that lasted a year or longer. Count any job change with the same employer as a separate job. Also count the same type of job for different employers separately. Let's start with your current or most recent job and go back in time. (INTERVIEWER: ASK C-1 to C-6 ABOUT ALL JOBS.) (PROBE ALL APPROPRIATE GAPS IN TIME BETWEEN JOBS.)

50-51

| | 0 1 JOB | 0 2 JOB |
|---|---|--|
| C-1. What is the title of the (most recent/ next) job you held for one year or longer? | | |
| C-2. What were your main duties on that job? | | |
| C-3. What kind of business or industry was this? (What did the company or your part of the company do or make?) | | |
| C-4. In what year did you start that job? | YR: 1 9 (C-5a) | YR: 1 9 (C-5b) |
| C-5a. Are you still working at that job? b. In what year did that job end? | YES . 1 (INT. CHK. 2) NO . . 2 (C-5b) YR: 1 9 | YR: 1 9 |
| <u>INTERVIEWER CHECK 1</u> IS THERE A GAP? | YES . 1 (C-6) NO . . 2 (INT. CHK. 2) | YES . 1 (C-6) NO . . 2 (INT. CHK. ; |
| C-6. What did you do between (YEAR) and (YEAR)? (IF NOT EMPLOYED, RECORD YEARS AND ACTIVITIES. IF EMPLOYED, RECORD IN NEXT JOB.) | YEARS: _____ ACTIVITIES: _____ _____ | YEARS: _____ ACTIVITIES: _____ _____ |
| <u>INTERVIEWER CHECK 2</u> IS START YEAR BEFORE AGE 18? | YES 1 (C-7) NO 2 (C-1) | YES 1 (C-7) NO 2 (C-1) |

| 0 3 JOB | 0 4 JOB | 0 5 JOB | 0 6 JOB | |
|---|---|---|---|-------|
| | | | | |
| | | | | 16-19 |
| | | | | 20-23 |
| YR: 1 9 | YR: 1 9 | YR: 1 9 | YR: 1 9 | 24-25 |
| YR: 1 9 | YR: 1 9 | YR: 1 9 | YR: 1 9 | 26-28 |
| YES . 1 (C-6) NO . 2 (INT. CHK. 2) | YES . 1 (C-6) NO . 2 (INT. CHK. 2) | YES . 1 (C-6) NO . 2 (INT. CHK. 2) | YES . 1 (C-6) NO . 2 (INT. CHK. 2) | 29 |
| YEARS: _____ ACTIVITIES: _____ _____ | YEARS: _____ ACTIVITIES: _____ _____ | YEARS: _____ ACTIVITIES: _____ _____ | YEARS: _____ ACTIVITIES: _____ _____ | 30-31 |
| YES 1 (C-7) NO 2 (C-1) | YES 1 (C-7) NO 2 (C-1) | YES 1 (C-7) NO 2 (C-1) | YES 1 (C-7) NO 2 (C-1) | 32 |

| | 0 7 JOB | 0 8 JOB |
|--|--|--|
| C-1. What is the title of the (most recent/next) job you held for one year or longer? | | |
| C-2. What were your main duties on that job? | | |
| C-3. What kind of business or industry was this? (What did the company or your part of the company do or make?) | | |
| C-4. In what year did you start that job? | YR: 1 9 (C-5a) | YR: 1 9 (C-5b) |
| C-5b. In what year did that job end? | YR: 1 9 | YR: 1 9 |
| <u>INTERVIEWER CHECK 1</u> IS THERE A GAP? | YES . 1 (C-6) NO . . 2 (INT. CHK. 2) | YES . 1 (C-6) NO . . 2 (INT. CHK. 2) |
| C-6. What did you do between (YEAR) and (YEAR)? (IF NOT EMPLOYED, RECORD YEARS AND ACTIVITIES. IF EMPLOYED, RECORD IN NEXT JOB.) | YEARS: _____ ACTIVITIES: _____ _____ | YEARS: _____ ACTIVITIES: _____ _____ |
| <u>INTERVIEWER CHECK 2</u> IS START YEAR BEFORE AGE 18? | YES 1 (C-7) NO 2 (C-1) | YES 1 (C-7) NO 2 (C-1) |

| 0 9 JOB | 1 0 JOB | 1 1 JOB | 1 2 JOB | |
|---|---|---|---|-------|
| | | | | |
| | | | | 16-19 |
| | | | | 20-23 |
| YR: 1 9 | YR: 1 9 | YR: 1 9 | YR: 1 9 | 24-25 |
| YR: 1 9 | YR: 1 9 | YR: 1 9 | YR: 1 9 | 26-28 |
| YES . 1 (C-6) NO . 2 (INT. CHK. 2) | YES . 1 (C-6) NO . 2 (INT. CHK. 2) | YES . 1 (C-6) NO . 2 (INT. CHK. 2) | YES . 1 (C-6) NO . 2 (INT. CHK. 2) | 29 |
| YEARS: _____ ACTIVITIES: _____ _____ | YEARS: _____ ACTIVITIES: _____ _____ | YEARS: _____ ACTIVITIES: _____ _____ | YEARS: _____ ACTIVITIES: _____ _____ | 30-31 |
| YES 1 (C-7) NO 2 (C-1) | YES 1 (C-7) NO 2 (C-1) | YES 1 (C-7) NO 2 (C-1) | YES 1 (C-7) NO 2 (C-1) | 32 |

| | 1 3 JOB | 1 4 JOB |
|---|--|--|
| C-1. What is the title of the (most recent/ next) job you held for one year or longer? | | |
| C-2. What were your main duties on that job? | | |
| C-3. What kind of business or industry was this? (What did the company or your part of the company do or make?) | | |
| C-4. In what year did you start that job? | YR: 1 9 | YR: 1 9 |
| C-5. In what year did that job end? | YR: 1 9 | YR: 1 9 |
| <u>INTERVIEWER CHECK 1</u> IS THERE A GAP? | YES . 1 (C-6) NO . . 2 (INT. CHK. 2) | YES . 1 (C-6) NO . . 2 (INT. CHK. 2) |
| C-6. What did you do between (YEAR) and (YEAR)? (IF NOT EMPLOYED, RECORD YEARS AND ACTIVITIES. IF EMPLOYED, RECORD IN NEXT JOB.) | YEARS: _____ ACTIVITIES: _____ _____ | YEARS: _____ ACTIVITIES: _____ _____ |
| <u>INTERVIEWER CHECK 2</u> IS START YEAR BEFORE AGE 18? | YES 1 (C-7) NO 2 (C-1) | YES 1 (C-7) NO 2 (C-1) |

| 1 5 JOB | 1 6 JOB | 1 7 JOB | 1 8 JOB | |
|---|---|---|---|-------|
| | | | | |
| | | | | 16-19 |
| | | | | 20-23 |
| YR: 1 9 | YR: 1 9 | YR: 1 9 | YR: 1 9 | 24-25 |
| YR: 1 9 | YR: 1 9 | YR: 1 9 | YR: 1 9 | 26-28 |
| YES . 1 (C-6) NO . 2 (INT. CHK. 2) | YES . 1 (C-6) NO . 2 (INT. CHK. 2) | YES . 1 (C-6) NO . 2 (INT. CHK. 2) | YES . 1 (C-6) NO . 2 (INT. CHK. 2) | 29 |
| YEARS: _____ ACTIVITIES: _____ _____ | YEARS: _____ ACTIVITIES: _____ _____ | YEARS: _____ ACTIVITIES: _____ _____ | YEARS: _____ ACTIVITIES: _____ _____ | 30-31 |
| YES 1 (C-7) NO 2 (C-1) | YES 1 (C-7) NO 2 (C-1) | YES 1 (C-7) NO 2 (C-1) | YES 1 (C-7) NO 2 (C-1) | 32 |

| | 1 9 JOB | 2 0 JOB |
|---|--|--|
| C-1. What is the title of the (most recent/ next) job you held for one year or longer? | | |
| C-2. What were your main duties on that job? | | |
| C-3. What kind of business or industry was this? (What did the company or your part of the company do or make?) | | |
| C-4. In what year did you start that job? | YR: 1 9 | YR: 1 9 |
| C-5b. In what year did that job end? | YR: 1 9 | YR: 1 9 |
| <u>INTERVIEWER CHECK 1</u> IS THERE A GAP? | YES . 1 (C-6) NO . . 2 (INT. CHK. 2) | YES . 1 (C-6) NO . . 2 (INT. CHK. 2) |
| C-6. What did you do between (YEAR) and (YEAR)? (IF NOT EMPLOYED, RECORD YEARS AND ACTIVITIES. IF EMPLOYED, RECORD IN NEXT JOB.) | YEARS: _____ ACTIVITIES: _____ _____ | YEARS: _____ ACTIVITIES: _____ _____ |
| <u>INTERVIEWER CHECK 2</u> IS START YEAR BEFORE AGE 18? | YES 1 (C-7) NO 2 (C-1) | YES 1 (C-7) NO 2 (C-1) |

| 2 1 JOB | 2 2 JOB | 2 3 JOB | 2 4 JOB | |
|---|---|---|--|-------|
| | | | | |
| | | | | 16-19 |
| | | | | 20-23 |
| YR: 1 9 | YR: 1 9 | YR: 1 9 | YR: 1 9 | 24-25 |
| YR: 1 9 | YR: 1 9 | YR: 1 9 | YR: 1 9 | 26-28 |
| YES . 1 (C-6) NO . 2 (INT. CHK. 2) | YES . 1 (C-6) NO . 2 (INT. CHK. 2) | YES . 1 (C-6) NO . 2 (INT. CHK. 2) | YES . 1 (C-6) NO . 2 (INT. CHK. 2) | 29 |
| YEARS: _____ ACTIVITIES: _____ _____ | YEARS: _____ ACTIVITIES: _____ _____ | YEARS: _____ ACTIVITIES: _____ _____ | YEARS: _____ ACTIVITIES: _____ _____ | 30-31 |
| YES 1 (C-7) NO 2 (C-1) | YES 1 (C-7) NO 2 (C-1) | YES 1 (C-7) NO 2 (C-1) | (C-7) | 32 |

Now, I would like to ask you about some specific jobs. Please tell me about these jobs, even if you held them for less than one year or before you were 18 years old.

61

| | | | |
|---|--|---|--------------|
| <p>Did you ever:</p> | | <p>Have you already told me about all of these jobs? (IF YES, ASK "Which jobs were they?" IF NO, ASK C1 -C5, ENTER JOB #)</p> | |
| <p>C-7a. Work at an incinerator facility?</p> <p>YES . . . 1 (C-7c) NO . . . 2 (C-8a) DK . . . 8 (C-8a)</p> | | <p>C-7c. 1. _____ # JOB</p> <p>YES . . . 1 2. _____ # JOB</p> <p>NO . . . 2 (C1 - C5)</p> | <p>16-21</p> |
| <p>C-8a. Work in a leather tanning plant?</p> <p>YES . . . 1 (C-8c) NO . . . 2 (C-9a) DK . . . 8 (C-9a)</p> | | <p>C-8c. 1. _____ # JOB</p> <p>YES . . . 1 2. _____ # JOB</p> <p>NO . . . 2 (C1 - C5)</p> | <p>22-27</p> |
| <p>C-9a. Work in a dry cleaning establishment?</p> <p>YES . . . 1 (C-9b) NO . . . 2 (C-10a) DK . . . 8 (C-10a)</p> | <p>C-9b. Was dry cleaning actually done on the premises?</p> <p>YES 1 NO 2 DK 8 (C-9c)</p> | <p>C-9c. 1. _____ # JOB</p> <p>YES . . . 1 2. _____ # JOB</p> <p>NO . . . 2 (C1 - C5)</p> | <p>28-34</p> |
| <p>C-10a. Repair or service brakes in cars, buses or trucks?</p> <p>YES . . . 1 (C-10c) NO . . . 2 (C-11a) DK . . . 8 (C-11a)</p> | | <p>C-10c. 1. _____ # JOB</p> <p>YES . . . 1 2. _____ # JOB</p> <p>NO . . . 2 (C1 - C5)</p> | <p>35-40</p> |

| | | | |
|--|---|---|-------|
| <p>Did you ever:</p> | | <p>Have you already told me about all of these jobs? (IF YES, ASK "Which jobs were they?" IF NO, ASK C1 -C5, ENTER JOB #)</p> | |
| <p>C-11a. Do metal plating?</p> <p>YES . . . 1 (C-11c) NO . . . 2 (C-12a) DK . . . 8 (C-12a)</p> | | <p>C-11c.</p> <p>1. _____ # JOB</p> <p>YES . . . 1 2. _____ # JOB</p> <p>NO . . . 2 (C1 - C5)</p> | 41-46 |
| <p>C-12a. Make or repair electrical transformers or capacitors?</p> <p>YES . . . 1 (C-12c) NO . . . 2 (C-13a) DK . . . 8 (C-13a)</p> | | <p>C-12c.</p> <p>1. _____ # JOB</p> <p>YES . . . 1 2. _____ # JOB</p> <p>NO . . . 2 (C1 - C5)</p> | 47-52 |
| <p>C-13a. Work in a pulp mill, saw mill or planing mill?</p> <p>YES . . . 1 (C-13c) NO . . . 2 (C-13d) DK . . . 8 (C-13d)</p> | | <p>C-13c.</p> <p>1. _____ # JOB</p> <p>YES . . . 1 2. _____ # JOB</p> <p>NO . . . 2 (C1 - C5)</p> | 53-58 |
| <p>C-13d. Work in a meat packing or processing plant?</p> <p>YES . . . 1 (C-13e) NO . . . 2 (C-14) DK . . . 8 (C-14)</p> | <p>C-13e. Did your job involve handling hides, skins or pelts?</p> <p>YES 1 NO 2 DK 8 (C-13f)</p> | <p>C-13f.</p> <p>1. _____ # JOB</p> <p>YES . . . 1 2. _____ # JOB</p> <p>NO . . . 2 (C1 - C5)</p> | 59-65 |

BOX C

DID R LIVE OR BOTH LIVE AND WORK ON FARM?

LIVED 1 (C-20)
LIVED/WORKED 2 (C-19)

C-19. Have you already told me about all of your jobs on a farm or ranch? (IF YES, ASK "Which jobs were they?" IF NO, ASK C-1 - C5. ENTER JOB #.)

| | | |
|------------------------|--------------------|-------|
| YES 1 | a. _____ # JOBS | |
| | b. _____ # JOBS | |
| NO 2 (C1-C5) | | 74-78 |

C-20. What crops were grown on any farm or ranch when you (lived/worked) there? (CIRCLE ALL THAT APPLY)

| | | |
|--------------------------------|--|-------|
| CORN 1 | | 79 |
| HAY 1 | | 80 |
| MILO/SORGHUM 1 | | 81 |
| SOYBEANS 1 | | 82 |
| WHEAT 1 | | 83 |
| OTHER (SPECIFY) | | 84 |
| _____ 1 | | 85-86 |
| _____ 1 | | 87-88 |
| _____ 1 | | 89-90 |
| _____ 1 | | 91-92 |
| _____ 1 | | 93-94 |
| NONE 2 (C-37, p. 43) | | |
| DK 8 | | |

C-21. Were any herbicides or weed killers ever used on the land or crops?

| | | |
|-------------------------|--|----|
| YES 1 (C-22a) | | |
| NO 2 (C-29) | | 95 |
| DK 8 (C-29) | | |

| | | | |
|---|---|-------|-----|
| Did you ever: | What was the average number of days per year you: | | |
| <p>C-22a. Apply or spray herbicides?</p> <p>YES 1 (C-22b) NO 2 (C-23a) DK 8 (C-23a)</p> | <p>C-22b. Applied or sprayed herbicides?</p> <p>1 TO 5 1 6 TO 10 2 11 TO 20 3 21 TO 40 4 MORE THAN 40 5 DK 8</p> | 96-97 | |
| <p>C-23a. Mix or prepare herbicides?</p> <p>YES 1 (C-23b) NO 2 (C-24) DK 8 (C-24)</p> | <p>C-23b. Mixed or prepared herbicides?</p> <p>1 TO 5 1 6 TO 10 2 11 TO 20 3 21 TO 40 4 MORE THAN 40 5 DK 8</p> | 98-99 | |
| <p>C-24. Work in or near an area where herbicides were used?</p> <p>YES 1 NO 2 DK 8</p> | | | 100 |

BOX D

DID R ANSWER YES TO C-22a, C-23a OR C-24?

YES . . . 1 (C-25)
NO . . . 2 (C-29)

C-25. What were the names of the herbicides?

101-102

103-117

DK 998

C-26. In what year did you first come into contact with herbicides?

| 1 | 9 | | |

118-119

DK 98

C-27. In what year did you last come into contact with herbicides?

| 1 | 9 | | |

120-121

DK 98

C-28. For how many years in total did you come into contact with herbicides?

| | |
YRS

122-123

CONTINUOUS 96

DK 98

17

C-29. Were insecticides or any other pesticides ever used on the land or crops at any farm or ranch when you (lived/worked) there?

YES 1 (1-30)
NO 2 (1-37)
DK 8 (1-37)

16

| | |
|---|---|
| Did you ever: | What was the average number of days per year you: |
| <p>C-30a. Apply or spray insecticides or other pesticides?</p> <p>YES 1 (C-30b) NO 2 (C-31a) DK 8 (C-31a)</p> | <p>C-30b. Applied or sprayed them?</p> <p>1 TO 5 1 6 TO 10 2 11 TO 20 3 21 TO 40 4 MORE THAN 40 5 DK 8</p> |
| <p>C-31a. Mix or prepare insecticides or other pesticides?</p> <p>YES 1 (C-31b) NO 2 (C-32) DK 8 (C-32)</p> | <p>C-31b. Mixed or prepared them?</p> <p>1 TO 5 1 6 TO 10 2 11 TO 20 3 21 TO 40 4 MORE THAN 40 5 DK 8</p> |
| <p>C-32. Work in or near an area where they were used?</p> <p>YES 1 NO 2 DK 8</p> | |

17-18

19-20

21

BOX E

DID R ANSWER YES TO C-30a, C-31a OR C-32?

YES . . . 1 (C-33)
NO . . . 2 (C-37)

22-23

C-33. What were the names of the insecticides or other pesticides used on the land or crops?

DK 998

24-38

C-34. In what year did you first come into contact with insecticides or other pesticides? 39-40

| 1 | 9 | | |

DK 98

C-35. In what year did you last come into contact with them? 41-42

| 1 | 9 | | |

DK 98

C-36. For how many years in total did you come into contact with them? 43-44

| | |

YRS

CONTINUOUS 96

DK 98

C-37. Were any animals ever raised or kept on any farm or ranch when you (lived/worked) there? 45

YES 1 (1-38)

NO 2 (1-47)

DK 8 (1-47)

C-38. What animals were raised or kept there? Were there cattle, chickens, hogs, or any other animals? 53-54

CATTLE 1 46

CHICKENS 1 47

HOGS 1 48

HORSES/MULES 1 49

SHEEP 1 50

TURKEYS 1 51

OTHER ANIMALS (SPECIFY) 52

_____ 1 53-54

_____ 1 55-56

_____ 1 57-58

DK 8

C-39. Were any insecticides or other pesticides ever used on any of these animals? 59

YES 1 (1-40)

NO 2 (1-47)

DK 8 (1-47)

| | | |
|--|---|-------|
| Did you ever: | What was the average number of days per year you: | |
| <p>C-40a. Apply or spray insecticides or other pesticides on animals?</p> <p>YES 1 (C-40b) NO 2 (C-41a) DK 8 (C-41a)</p> | <p>C-40b. Applied or sprayed them?</p> <p>1 TO 5 1 6 TO 10 2 11 TO 20 3 21 TO 40 4 MORE THAN 40 5 DK 8</p> | 60-61 |
| <p>C-41a. Mix or prepare insecticides or other pesticides?</p> <p>YES 1 (C-41b) NO 2 (C-42) DK 8 (C-42)</p> | <p>C-41b. Mixed or prepared them?</p> <p>1 TO 5 1 6 TO 10 2 11 TO 20 3 21 TO 40 4 MORE THAN 40 5 DK 8</p> | 62-63 |
| <p>C-42. Work in or near an area where they were used?</p> <p>YES 1 NO 2 DK 8</p> | | 64 |

BOX F

DID R ANSWER YES TO C-40a, C-41a OR C-42?

YES . . . 1 (C-43)
NO . . . 2 (C-47)

C-43. What were the names of the insecticides or other pesticides used on animals? 65-66

DK 998 67-81

C-44. In what year did you first come into contact with insecticides or other pesticides used on animals?

| 1 | 9 | | |

82-83

DK 98

C-45. In what year did you last come into contact with them?

| 1 | 9 | | |

84-85

DK 98

C-46. For how many years in total did you come into contact with them?

| | |

86-87

YRS

CONTINUOUS 96

DK 98

C-47. Now, I'd like to ask about some other jobs you might have held. Did you ever have a job in right-of-way maintenance for a highway, railroad, or utility?

YES 1 (C-48)

NO 2 (C-57)

DK 8 (C-57)

88

C-48. Have you already told me about all of these jobs? (IF YES, ASK "Which jobs were they?" IF NO, ASK C1 - C5. ENTER JOB #.)

YES 1

NO 2 (C1-C5)

a.

JOB #

b.

JOB #

89-93

C-49. Were herbicides or weed killers ever used in this work?

YES 1 (C-50)

NO 2 (C-57)

DK 8 (C-57)

94

| | | |
|--|--|-------|
| Did you ever: | What was the average number of days per year you: | |
| C-50a. Apply or spray them? YES 1 (C-50b) NO 2 (C-51a) DK 8 (C-51a) | C-50b. Applied or sprayed them? 1 TO 5 1 6 TO 10 2 11 TO 20 3 21 TO 40 4 MORE THAN 40 5 DK 8 | 95-96 |
| C-51a. Mix or prepare them? YES 1 (C-51b) NO 2 (C-52) DK 8 (C-52) | C-51b. Mixed or prepared them? 1 TO 5 1 6 TO 10. 2 11 TO 20 3 21 TO 40 4 MORE THAN 40 5 DK 8 | 97-98 |
| C-52. Work in or near an area where herbicides were used? YES 1 NO 2 DK 8 | | 99 |

BOX G

DID R ANSWER YES TO C-50a, C-51a OR C-52?

YES . . . 1 (C-53)
NO . . . 2 (C-57)

C-53. What were the names of the herbicides?

100-101

102-116

_____ DK 998

C-54. In what year did you first come into contact with herbicides on (this job/these jobs)? 117-118

| 1 | 9 | | |

DK 98

C-55. In what year did you last come into contact with herbicides on (this job/these jobs)? 119-120

| 1 | 9 | | |

DK 98

C-56. For how many years in total did you come into contact with herbicides on (this job/these jobs)? 121-122

| | |

YRS

CONTINUOUS 96

DK 98

..... | 18 |

C-57. Did you ever have a job in lawn care, landscaping, or grounds maintenance?

YES 1 (C-58)

NO 2 (C-67) 16

DK 8 (C-67)

C-58. Have you already told me about all of these jobs? (IF YES, ASK "Which jobs were they?"
IF NO, ASK C1 - C5. ENTER JOB #.)

YES 1 a.
JCE #

NO 2 (C1-C5) b.
JCE # 17-21

C-59. Were herbicides or weed killers ever used in this work?

YES 1 (C-60)

NO 2 (C-67) 22

DK 8 (C-67)

| | | |
|---|---|-------|
| Did you ever: | What was the average number of days per year you: | |
| <p>C-60a. Apply or spray them?</p> <p>YES 1 (C-60b) NO 2 (C-61a) DK 8 (C-61a)</p> | <p>C-60b. Applied or sprayed them?</p> <p>1 TO 5 1 6 TO 10 2 11 TO 20 3 21 TO 40 4 MORE THAN 40 5 DK 8</p> | 23-24 |
| <p>C-61a. Mix or prepare them?</p> <p>YES 1 (C-61b) NO 2 (C-62) DK 8 (C-62)</p> | <p>C-61b. Mixed or prepared them?</p> <p>1 TO 5 1 6 TO 10 2 11 TO 20 3 21 TO 40 4 MORE THAN 40 5 DK 8</p> | 25-26 |
| <p>C-62. Work in or near an area where herbicides were used?</p> <p>YES 1 NO 2 DK 8</p> | | 27 |

BOX H

DID R ANSWER YES TO C-60a, C-61a OR C-62?

YES . . . 1 (C-63)
NO . . . 2 (C-67)

C-63. What were the names of the herbicides?

28-29

DK 998

30-44

C-64. In what year did you first come into contact with herbicides on (this job/these jobs)? 45-46

| 1 | 9 | | |

DK 98

C-65. In what year did you last come into contact with herbicides on (this job/these jobs)? 47-48

| 1 | 9 | | |

DK 98

C-66. For how many years in total did you come into contact with herbicides on (this job/these jobs)? 49-50

| | |

YRS

CONTINUOUS 96

DK 98

.....

C-67. Did you ever have a job in logging, forestry or tree farming?

YES 1 (C-68) 51

NO 2 (C-77)

DK 8 (C-77)

C-68. Have you already told me about all of these jobs? (IF YES, ASK "Which jobs were they?" IF NO, ASK C1 - C5. ENTER JOB #.)

YES 1 a. _____ JJB # 52-56

NO 2 (C1-C5) b. _____ JCB #

C-69. Were herbicides or weedkillers ever used in this work?

YES 1 (C-70) 57

NO 2 (C-77)

DK 8 (C-77)

| | |
|---|---|
| Did you ever: | What was the average number of days per year you: |
| <p>C-70a. Apply or spray them?</p> <p>YES 1 (C-70b) NO 2 (C-71a) DK 8 (C-71a)</p> | <p>C-70b. Applied or sprayed them?</p> <p>1 TO 5 1 6 TO 10 2 11 TO 20 3 21 TO 40 4 MORE THAN 40 5 DK 8</p> |
| <p>C-71a. Mix or prepare them?</p> <p>YES 1 (C-71b) NO 2 (C-72) DK 8 (C-72)</p> | <p>C-71b. Mixed or prepared them?</p> <p>1 TO 5 1 6 TO 10 2 11 TO 20 3 21 TO 40 4 MORE THAN 40 5 DK 8</p> |
| <p>C-72. Work in or near an area where herbicides were used?</p> <p>YES 1 NO 2 DK 8</p> | |

58-59

60-61

62

BOX I

DID R ANSWER YES TO C-70a, C-71a OR C-72?

YES . . . 1 (C-73)
NO . . . 2 (C-77)

C-73. What were the names of the herbicides?

63-64

DK 998

65-79

C-74. In what year did you first come into contact with herbicides on (this job/these jobs)?

| 1 | 9 | | |

80-81

DK 98

C-75. In what year did you last come into contact with herbicides on (this job/these jobs)?

| 1 | 9 | | |

82-83

DK 98

C-76. For how many years in total did you come into contact with herbicides on (this job/these jobs)?

| | |

YRS

84-85

CONTINUOUS 96

DK 98

C-77. Did you ever have any other jobs in which you came into contact with herbicides or weed killers?

YES 1 (C-78)

NO 2 (C-86)

DK 8 (C-86)

86

C-78. Have you already told me about all of these jobs? (IF YES, ASK "Which jobs were they?" IF NO, ASK C1 - C5. ENTER JOB #.)

YES 1

NO 2 (C1-C5)

a. JCE #

b. JCE #

87-91

BOX I-1

IF THIS JOB WAS IN THE MILITARY, ASK:

Was this in Vietnam?

YES 1 (C-86)

NO 2 (C-79)

| | | |
|---|---|-------|
| Did you ever: | What was the average number of days per year you: | |
| <p>C-79a. Apply or spray them?</p> <p>YES 1 (C-79b) NO 2 (C-80a) DK 8 (C-80a)</p> | <p>C-79b. Applied or sprayed them?</p> <p>1 TO 5 1 6 TO 10 2 11 TO 20 3 21 TO 40 4 MORE THAN 40 5 DK 8</p> | 92-93 |
| <p>C-80a. Mix or prepare them?</p> <p>YES 1 (C-80b) NO 2 (C-81) DK 8 (C-81)</p> | <p>C-80b. Mixed or prepared them?</p> <p>1 TO 5 1 6 TO 10. 2 11 TO 20 3 21 TO 40 4 MORE THAN 40 5 DK 8</p> | 94-95 |
| <p>C-81. Work in or near an area where herbicides were used?</p> <p>YES 1 NO 2 DK 8</p> | | 96 |

BOX J

DID R ANSWER YES TO C-79a, C-80a OR C-81?

YES . . . 1 (C-82)
NO . . . 2 (C-86)

C-82. What were the names of the herbicides?

DK 998

97-98

99-113

C-83. In what year did you first come into contact with herbicides on (this job/these jobs)?

| 1 | 9 | | |

114-115

DK 98

C-84. In what year did you last come into contact with herbicides on (this job/these jobs)?

| 1 | 9 | | |

116-117

DK 98

C-85. For how many years in total did you come into contact with herbicides on (this job/these jobs)?

| | |
YRS

118-119

CONTINUOUS 96

DK 98

I would like to read to you a list of materials you may have worked with or around on a job. Please tell me if you ever worked with or around any of the following materials, even if you worked on that job for less than one year or before you were 18. FOR EACH YES, ASK b, c, AND d.

19

| On a job, did you ever work with or around: | What were their names? | How did you come into contact with (it/them)? | Have you already told me about all of the jobs you had like this? (IF YES, ASK "Which jobs were they?" IF NO, ASK C1-C5. ENTER JOB #.) | |
|---|--|---|--|-------|
| C-86a. Chemical solvents, such as acetone, benzene, carbon tetrachloride or toluene? YES . . . 1 (C-86b) NO . . . 2 (C-87a) DK . . . 8 (C-87a) | C-86b. DK 98 (C-86c) | C-86c. (C-86d) | C-86d. 1. _____ # JCE YES . . . 1 2. _____ # JCE NO . . . 2 (C1-C5) | 16-21 |
| C-87a. Wood preservatives or wood-treating chemicals? YES . . . 1 (C-87b) NO . . . 2 (C-88a) DK . . . 8 (C-88a) | C-87b. DK 98 (C-87c) | C-87c. (C-87d) | C-87d. 1. _____ # JO3 YES . . . 1 2. _____ # JO3 NO . . . 2 (C1-C5) | 22-27 |
| C-88a. Insulation or fire-proofing materials? YES . . . 1 (B-88b) NO . . . 2 (B-89a) DK . . . 8 (B-89a) | C-88b. DK 98 (C-88c) | C-88c. (C-88d) | C-88d. 1. _____ # JO1 YES . . . 1 2. _____ # JO1 NO . . . 2 (C1-C5) | 28-33 |
| C-89a. Nickel compounds or alloys? YES . . . 1 (C-89b) NO . . . 2 (C-90a) DK . . . 8 (C-90a) | C-89b. DK 98 (C-89c) | C-89c. (C-89d) | C-89d. 1. _____ # JOE YES . . . 1 2. _____ # JOB NO . . . 2 (C1-C5) | 34-39 |
| C-90a. Chromium compounds or alloys, such as chromic acid or chromate pigments? YES . . . 1 (C-90b) NO . . . 2 (C-91a) DK . . . 8 (C-91a) | C-90b. DK 98 (C-90c) | C-90c. (C-90d) | C-90d. 1. _____ # JOB YES . . . 1 2. _____ # JOB NO . . . 2 (C1-C5) | 40-45 |

| On a job, did you ever work with or around: | What were their names? | How did you come into contact with (it/them)? | Have you already told me about all of the jobs you had like this? (IF YES, ASK "Which jobs were they?" IF NO, ASK C1-C5. ENTER JOB #) | |
|--|--|---|--|-------|
| C-91a. Pesticides and fumigants, other than herbicides? YES . . . 1 (C-91b) NO . . . 2 (C-92a) DK . . . 8 (C-92a) | C-91b. DK 98 (C-91c) | C-91c. (C-91d) | C-91d. YES . . . 1 . . . # JOB NO . . . 2 (C1-C5) | 46-51 |
| C-92a. Radioactive substances? YES . . . 1 (C-92b) NO . . . 2 (C-93a) DK . . . 8 (C-93a) | C-92b. DK 98 (C-92c) | C-92c. (C-92d) | C-92d. YES . . . 1 . . . # JOB NO . . . 2 (C1-C5) | 52-57 |
| C-93a. Formaldehyde? YES . . . 1 (B-93c) NO . . . 2 (B-94a) DK . . . 8 (B-94a) | | C-93c. (C-93d) | C-93d. YES . . . 1 . . . # JOB NO . . . 2 (C1-C5) | 58-63 |
| C-94a. X-rays? YES . . . 1 (C-94c) NO . . . 2 (C-95a) DK . . . 8 (C-95a) | | C-94c. (C-94d) | C-94d. YES . . . 1 . . . # JOB NO . . . 2 (C1-C5) | 64-69 |
| C-95a. Plywood, fiberboard or particleboard? YES . . . 1 (C-95c) NO . . . 2 (C-96a) DK . . . 8 (C-96a) | | C-95c. (C-95d) | C-95d. YES . . . 1 . . . # JOB NO . . . 2 (C1-C5) | 70-75 |

| On a job, did you ever work with or around: | What were their names? | How did you come into contact with (it/them)? | Have you already told me about all of the jobs you had like this? (IF YES, ASK "Which jobs were they?" IF NO, ASK C1-C5. ENTER JOB #.) | |
|---|------------------------|---|---|---------|
| C-96a. Wood dust or saw dust? YES . . . 1 (C-96c) NO . . . 2 (C-97a) DK . . . 8 (C-97a) | | C-96c. (C-96d) | C-96d. 1. _____ # J33 YES . . . 1 2. _____ # J33 NO . . . 2 (C1-C5) | 76-81 |
| C-97a. Asbestos? YES . . . 1 (C-97c) NO . . . 2 (C-98a) DK . . . 8 (C-98a) | | C-97c. (C-97d) | C-97d. 1. _____ # J33 YES . . . 1 2. _____ # J33 NO . . . 2 (C1-C5) | 82-87 |
| C-98a. Shoe or leather dust? YES . . . 1 (B-98c) NO . . . 2 (B-99a) DK . . . 8 (B-99a) | | C-98c. (C-98d) | C-98d. 1. _____ # J11 YES . . . 1 2. _____ # J11 NO . . . 2 (C1-C5) | 88-93 |
| C-99a. Vinyl chloride or polyvinyl chloride? YES . . . 1 (C-99c) NO . . . 2 (C-100a) DK . . . 8 (C-100a) | | C-99c. (C-99d) | C-99d. 1. _____ # JCE YES . . . 1 2. _____ # JCE NO . . . 2 (C1-C5) | 94-99 |
| C-100a. Cutting oils? YES . . . 1 (C-100c) NO . . . 2 (C-101a) DK . . . 8 (C-101a) | | C-100c. (C-100d) | C-100d. 1. _____ # J03 YES . . . 1 2. _____ # J03 NO . . . 2 (C1-C5) | 100-105 |
| C-101a. Hexachlorophene? YES . . . 1 (C-101c) NO . . . 2 (SECTION D) DK . . . 8 (SECTION D) | | C-101c. (C-101d) | C-101d. 1. _____ # J01 YES . . . 1 2. _____ # J01 NO . . . 2 (C1-C5) | 106-111 |

SECTION D

20

MILITARY HISTORY

D-1. Now I have some questions about military service. (IF R MENTIONED MILITARY SERVICE IN SECTION C, CODE YES. OTHERWISE ASK:) Did you ever serve on active duty in the U.S. Military?

YES 1 (D-3) 16
 NO 2 (D-2)
 DK 8 (D-2)

D-2. When you were between the ages of 18 and 22 did you have any health or physical problems which you think might have prevented you from serving in the military?

YES 1 (SECTION E, p. 70) 17
 NO 2 (SECTION E, p. 70)
 DK 8 (SECTION E, p. 70)

D-3. How many years and months have you served on active duty in the U.S. Military? (IF R SAYS "X YEARS," ASK "Was that exactly X years?")

YEARS |__|__| 18-19
 AND
 MONTHS |__|__| 20-21
 DK 9898

D-4. Were you ever in Vietnam or off the coast of Vietnam when you were in the military?

YES 1 (D-5)
 NO 2 (SECTION E, p. 70) 22
 DK 8 (SECTION E, p. 70)

D-5. Were you stationed in Vietnam or off the coast of Vietnam?

YES 1 (D-7)
 NO 2 (D-6) 23
 DK 8 (D-6)

D-6. What did you do in Vietnam and when were you there? (RECORD VERBATIM AND PROBE FOR MONTH AND YEAR)

24-31

 _____ (INTRO, D-16, P. 61)
 DK 98 (INTRO, D-16, P. 61)

D-7. How many different tours of duty did you serve in Vietnam?

32-33

 TOURS
 DK 98

34-35

| ASK D-8 - D-15 FOR EACH TOUR OF DUTY | a. FIRST TOUR OF DUTY | b. SECOND TOUR OF DUTY | c. THIRD TOUR OF DUTY |
|--|---|---|---|
| D-8. In what month and year did your (first/next) tour of duty in Vietnam begin? | _____ MONTH YEAR DK 9898 | _____ MONTH YEAR DK 9898 | _____ MONTH YEAR DK 9898 |
| D-9. What branch of the service were you in? | ARMY 1 AIR FORCE 2 MARINES 3 NAVY 4 COAST GUARD 5 OTHER (SPECIFY) . 6 _____ DK 8 | ARMY 1 AIR FORCE 2 MARINES 3 NAVY 4 COAST GUARD 5 OTHER (SPECIFY) . 6 _____ DK 8 | ARMY 1 AIR FORCE 2 MARINES 3 NAVY 4 COAST GUARD 5 OTHER (SPECIFY) . 6 _____ DK 8 |
| D-10. What was your rank at the end of this tour? | DK 98 | DK 98 | DK 98 |
| D-11. In what month and year did this tour end? | _____ MONTH YEAR DK 9898 (D-12a) | _____ MONTH YEAR DK 9898 (D-12b) | _____ MONTH YEAR DK 9898 (D-12c) |

36-47

48-53

54-59

60-71

| ASK D-8 - D-15 FOR EACH TOUR OF DUTY | a. FIRST TOUR OF DUTY | b. SECOND TOUR OF DUTY | c. THIRD TOUR OF DUTY |
|---|---|---|---|
| D-12. What was the name of the unit in which you served the longest during that tour of duty? Please give me as much information as you can, in other words, as many organizational levels as you remember. (RECORD VERBATIM) | | | |
| D-13. What kind of unit was that? Was it an infantry, artillery, engineer, intelligence unit, or something else? (RECORD VERBATIM) | | | |
| D-14. Where in Vietnam were you located with this unit? In what military region or corps were you located? And within that region, what were the names of the places or areas near where you served? (RECORD VERBATIM) | | | |
| D-15. What were your primary duties? (RECORD VERBATIM) | | | |
| INTERVIEWER CHECK ARE ALL TOURS COVERED? | YES 1 (D-16) NO 2 (D-8b) | YES 1 (D-16) NO 2 (D-8c) | YES 1 (D-1i) NO 2 (D-8i) |

72-77

78-80

81-125

D-18. I would now like to ask if you remember coming into contact with chemicals in various ways while you were in Vietnam? Were you ever present when others were spraying chemicals?

| | | |
|---------------|----------|----|
| YES | 1 (D-19) | |
| NO | 2 (D-23) | 60 |
| DK | 8 (D-23) | |

D-19. How often were you present when others were spraying chemicals? (RECORD VERBATIM)

DK 998 61-63

D-20. What were the chemicals used for, that is, were they used to kill insects, destroy vegetation or for some other purpose? (CIRCLE ALL THAT APPLY)

| | | |
|---------------------------------|---|----|
| a. KILL INSECTS | 1 | 64 |
| b. DESTROY VEGETATION | 1 | 65 |
| c. OTHER (SPECIFY) | 1 | 66 |

_____ 67-68
DK 8

D-21. What were the names of the specific chemicals that had been sprayed?

DK 998 69-70
71-85

| | |
|--|----------|
| BOX L | |
| REVIEW D-7. IS RESPONSE "02" OR GREATER? | |
| YES | 1 (D-22) |
| NO | 2 (D-23) |

D-22. During which of your tours of duty in Vietnam did this happen? (CIRCLE ALL THAT APPLY)

| | | |
|-----------------------------------|---|----|
| a. FIRST TOUR | 1 | 86 |
| b. SECOND TOUR | 1 | 87 |
| c. THIRD TOUR | 1 | 88 |
| d. OTHER TOUR (SPECIFY) | 1 | 89 |

90-91

D-23. Did you ever get chemicals on your skin or clothing?

| | | |
|---------------|----------|----|
| YES | 1 (D-21) | |
| NO | 2 (D-21) | 92 |
| DK | 8 (D-21) | |

D-24. How often did you get chemicals on your skin or clothing? (RECORD VERBATIM)

DK 998

93-95

D-25. What were the chemicals used for, that is, were they used to kill insects, destroy vegetation or for some other purpose? (CIRCLE ALL THAT APPLY)

| | | |
|---------------------------------|---|--------|
| a. KILL INSECTS | 1 | 96 |
| b. DESTROY VEGETATION | 1 | 97 |
| c. OTHER (SPECIFY) | 1 | 98 |
| _____ | | 99-100 |
| DK | 8 | |

D-26. What were the names of the specific chemicals?

DK 998

101-102

103-117

BOX M

REVIEW D-7. IS RESPONSE "02" OR GREATER?

| | |
|---------------|----------|
| YES | 1 (D-27) |
| NO | 2 (D-28) |

D-27. During which of your tours of duty in Vietnam did this happen? (CIRCLE ALL THAT APPLY)

| | | |
|-----------------------------------|---|---------|
| a. FIRST TOUR | 1 | 118 |
| b. SECOND TOUR | 1 | 119 |
| c. THIRD TOUR | 1 | 120 |
| d. OTHER TOUR (SPECIFY) | 1 | 121 |
| _____ | | 122-123 |
| DK | 8 | |

D-28. Did you ever handle equipment or containers that had been used with chemicals?

YES 1 (E-29)
NO 2 (E-33)
DK 8 (E-33)

16

D-29. How often did you handle this equipment or containers? (RECORD VERBATIM)

DK 998

17-19

D-30. What were the chemicals used for, that is, were they used to kill insects, destroy vegetation or for some other purpose? (CIRCLE ALL THAT APPLY)

a. KILL INSECTS 1 20
b. DESTROY VEGETATION . . . 1 21
c. OTHER (SPECIFY) 1 22

DK 8

23-24

D-31. What were the names of the specific chemicals that were being used?

DK 998

25-26

27-41

BOX N
REVIEW D-7. IS RESPONSE "02" OR
GREATER?
YES 1 (D-32)
NO 2 (D-33)

D-32. During which of your tours of duty in Vietnam did this happen? (CIRCLE ALL THAT APPLY)

a. FIRST TOUR 1 42
b. SECOND TOUR 1 43
c. THIRD TOUR 1 44
d. OTHER TOUR (SPECIFY). . . 1 45

DK 8

46-47

D-33. Did you ever spray chemicals yourself?

| | | |
|---------------|----------|----|
| YES | 1 (D-34) | |
| NO | 2 (D-38) | 48 |
| DK | 8 (D-38) | |

D-34. How often did you spray chemicals? (RECORD VERBATIM)

_____ 49-51

DK 998

D-35. What were the chemicals used for, that is, were they used to kill insects, destroy vegetation or for some other purpose? (CIRCLE ALL THAT APPLY)

| | | |
|---------------------------------|---|----|
| a. KILL INSECTS | 1 | 52 |
| b. DESTROY VEGETATION | 1 | 53 |
| c. OTHER (SPECIFY) | 1 | 54 |

_____ 55-56

DK 8

D-36. What were the names of the specific chemicals that were sprayed?

_____ 57-58

_____ 59-73

DK 998

BOX 0

REVIEW D-7. IS RESPONSE "02" OR GREATER?

YES 1 (D-37)

NO 2 (D-38)

D-37. During which of your tours of duty in Vietnam did this happen? (CIRCLE ALL THAT APPLY)

| | | |
|-----------------------------------|---|----|
| a. FIRST TOUR | 1 | 74 |
| b. SECOND TOUR | 1 | 75 |
| c. THIRD TOUR | 1 | 76 |
| d. OTHER TOUR (SPECIFY) | 1 | 77 |

_____ 78-79

DK 8

D-38. Do you recall ever passing through an area that looked like it had been defoliated?

YES 1 (D-38)
NO 2 (D-39) 80
DK 8 (D-40)

D-39. How often did you pass through these areas? (RECORD VERBATIM)

81-83

DK 998

BOX P
REVIEW D-7. IS RESPONSE "02" OR
GREATER?
YES 1 (D-40)
NO 2 (D-41)

D-40. During which of your tours of duty in Vietnam did you pass through areas that looked like they had been defoliated? (CIRCLE ALL THAT APPLY)

a. FIRST TOUR 1 84
b. SECOND TOUR 1 85
c. THIRD TOUR 1 86
d. OTHER TOUR (SPECIFY). . . 1 87

88-89

DK 8

D-41. While in Vietnam were you ever exposed to chemicals in any other way?

YES 1 (D-41)
NO 2 (BOX 1) 90
DK 8 (BOX 1)

D-42. In what ways were you exposed? (RECORD VERBATIM)

91-93

DK 8

D-43. What chemicals were you exposed to? (RECORD VERBATIM)

94-95

96-110

DK 998

D-44. How often did this happen? (RECORD VERBATIM)

111-113

DK 998

| | |
|--|-----------|
| BOX Q | |
| REVIEW D-7. IS RESPONSE "02" OR GREATER? | |
| YES | 1 (D-45) |
| NO | 2 (BOX R) |

D-45. During which of your tours of duty in Vietnam did this happen? (CIRCLE ALL THAT APPLY)

- a. FIRST TOUR 1 114
- b. SECOND TOUR 1 115
- c. THIRD TOUR 1 116
- d. OTHER TOUR (SPECIFY). . . 1 117

113-119

DK 8

BOX R

REVIEW D-21, D-26, D-31, D-36, and D-43.
DID R REPORT "AGENT ORANGE"?

YES 1 (SECTION E)
NO 2 (D-46)

D-46. One of the herbicides used in Vietnam was Agent Orange. Do you think you ever came into contact with Agent Orange?

YES 1 (D-47)
NO 2 (SECTION I:) 120
DK 8 (SECTION I:)

D-47. How did you come in contact with it? (RECORD VERBATIM)

_____ 121-123

 DK 8

D-48. How often did you come in contact with it? (RECORD VERBATIM)

_____ 124-126

 DK 998

BOX S

REVIEW D-7. IS RESPONSE "02" OR
GREATER?

YES 1 (D-49)
NO 2 (SECTION E)

D-49. During which of your tours of duty in Vietnam did this happen? (CIRCLE ALL THAT APPLY)

a. FIRST TOUR 1 127
 b. SECOND TOUR 1 128
 c. THIRD TOUR 1 129
 d. OTHER TOUR (SPECIFY). . . 1 130

_____ 131-132
 DK 8

SECTION E
OTHER ACTIVITIES

E-1. Now I have some questions about activities you may have engaged in outside of your jobs. In maintaining your lawn or garden did you ever use weed-killers on a regular basis for more than one year?

YES 1 (E-2)
NO 2 (E-5) 16
DK 8 (E-5)

E-2. In what year did you first start using weed-killers or herbicides?

 | 1 | 9 | | |
 | | | | | 17-18
DK 98

E-3. For how many years did you use them?

 | | |
 YEARS 19-20
DK 98

E-4. When you were using them, about how many times a year, on the average, did you use them?

 | | |
 TIMES 21-22

E-5. As a hobby or other activity, have you ever constructed things out of wood on a regular basis?

| | | |
|---------------|----------|----|
| YES | 1 (E-6) | |
| NO | 2 (E-10) | 23 |
| DK | 8 (E-10) | |

E-6. What did you make out of wood? (CIRCLE ALL THAT APPLY)

| | | |
|------------------------------|---|-------|
| a. FURNITURE | 1 | 24 |
| b. HOUSES | 1 | 25 |
| c. OTHER (SPECIFY) | 1 | 26 |
| | | 27-28 |

E-7. In what year did you first start working with wood?

| | | |
|--------------|-------|-------|
| | 1 9 | 29-30 |
| | YEAR | |
| DK | 98 | |

E-8. For how many years did you work with wood?

| | | |
|--------------|-------|-------|
| | | 31-32 |
| | YEARS | |
| DK | 98 | |

E-9. How often would you say that you worked with wood? Was it:

| | | |
|-------------------------------------|---|----|
| Daily; | 1 | |
| At least once a week; | 2 | |
| At least once a month; or | 3 | |
| Less than once a month? | 4 | 33 |
| DK | 8 | |

E-10. Did you ever have a hobby or engage in other activities on a regular basis, that involved the use of chemicals, such as developing photographs, refinishing furniture or something else?

YES 1 (E-11)
 NO 2 (SECTION F)
 DK 8 (SECTION F)

34
 35-36

| | a. HOBBY #1 | b. HOBBY #2 | c. HOBBY #3 |
|---|--|--|--|
| E-11. What was the (first/next) hobby or activity that involved the use of chemicals? | _____ | _____ | _____ |
| E-12. What chemicals did you use in that (hobby/activity)? | 1. _____ 2. _____ 3. _____ DK 98 | 1. _____ 2. _____ 3. _____ DK 98 | 1. _____ 2. _____ 3. _____ DK 98 |
| E-13. In what year did you start that (hobby/activity)? | 1 9 _ _ DK 98 | 1 9 _ _ DK 98 | 1 9 _ _ DK 98 |
| E-14. For how many years have you done that? | YRS: _ _ _ DK 98 | YRS: _ _ _ DK 98 | YRS: _ _ _ DK 98 |
| E-15. How often would you say that you did that? Was it daily, at least once a week, at least once a month, or less than once a month? | DAILY 1 1/WEEK 2 1/MONTH 3 LT 1/MONTH 4 DK 8 | DAILY 1 1/WEEK 2 1/MONTH 3 LT 1/MONTH 4 DK 8 | DAILY 1 1/WEEK 2 1/MONTH 3 LT 1/MONTH 4 DK 8 |
| E-16. Did you ever have any other hobbies or activities that involved the use of chemicals? | YES . . . 1 (E-11b) NO . . . 2 (F-1) DK . . . 8 (F-1) | YES . . . 1 (E-11c) NO . . . 2 (F-1) DK . . . 8 (F-1) | YES . . . 1 (E-11d) NO . . . 2 (F-1) DK . . . 3 (F-1) |

37-42
 43-51
 52-60
 61-69
 70-75
 76-81
 32-84
 35-87
 [24]
 16-65

SECTION F

LIFESTYLE

25

F-1. This last section discusses lifestyle and personal habits. First I would like to ask you about drinking alcoholic beverages which include liquor, beer or wine. Did you ever have an average of one drink or more a week for a year or longer?

YES 1 (F-2) .16
NO 2 (F-8)
DK 8 (F-8)

F-2. How old were you when you started having an average of one or more alcoholic drinks a week?

 |_|_|
 AGE
DK 98 17-18

F-3. Do you now drink an average of one or more alcoholic beverages a week?

YES 1 (F-5)
NO 2 (F-4) 19
DK 8 (F-5)

F-4. How many years ago did you stop drinking regularly?

 |_|_|
 # OF YEARS
LESS THEN 1 YEAR 00 20-21
DK 98

F-5. Averaging over the years that you were drinking alcoholic beverages, about how many 12-ounce cans or bottles of beer did you usually drink per week?

 |_|_|_|
 12 OZ. CANS/WEEK
LESS THAN ONE/WEEK . . 000 22-24
DK 998

F-6. Averaging over the years that you were drinking alcoholic beverages, about how many 4-ounce glasses of wine did you usually drink per week?

|_|_|_|
4 OZ. GLASSES/WEEK

25-27

LESS THAN ONE/WEEK . . .000
DK 998

F-7. Averaging over the years that you were drinking alcoholic beverages, about how many 1 1/2 -ounce shots of hard liquor did you usually drink per week?

|_|_|_|
1 1/2 OZ. SHOTS/WEEK

28-30

LESS THAN ONE/WEEK . . .000
DK 998

F-8. We realize the next few questions may be sensitive. Please keep in mind that all information you give me will be kept strictly confidential. During the last five years how many sexual partners have you had?

NONE 000 (F-11)

31-33

|_|_|_|
PARTNERS

F-9. (Was your partner a woman?/How many of these partners were women?)

|_|_|_|
NUMBER OF WOMEN

34-36

DK 998

| |
|--|
| BOX 1 |
| REVIEW F-8 and F-9. ARE THE NUMBERS EQUAL? |
| YES 1 (F-11) |
| NO 2 (F-10) |

F-10. (Was your partner a man?/How many of these partners were men?)

|_|_|_|
NUMBER OF MEN

37-39

DK 998

F-11. Have you ever used any of the following drugs without a physician's prescription:

| | YES | NO | DK | |
|---|-----|----|----|----|
| a. Marijuana or hashish? | 1 | 2 | 8 | 40 |
| b. Barbiturates or downers? | 1 | 2 | 8 | 41 |
| c. Amphetamines, uppers or speed? | 1 | 2 | 8 | 42 |
| d. Amyl nitrite or poppers? | 1 | 2 | 8 | 43 |
| e. Cocaine? | 1 | 2 | 8 | 44 |
| f. Heroin? | 1 | 2 | 8 | 45 |

F-12. Have you ever used any drugs that were injected into your vein or under your skin which were not prescribed by a physician?

| | | |
|---------------|----------|----|
| YES | 1 (F-13) | |
| NO | 2 (F-17) | 46 |
| DK | 8 (F-17) | |

F-13. In what year did you first take drugs by needle?

| | |
|--------------|-------|
| 1 9 | 47-48 |
| DK | 98 |

F-14. In what year did you last take drugs this way?

| | |
|-----------------------|-------|
| 1 9 | 49-50 |
| STILL USING | 96 |
| DK | 98 |

F-15. In total, would you say you injected yourself or received an injection of non-prescription drugs:

| | | |
|--------------------------------|---|----|
| More than 100 times? | 1 | |
| 21 to 100 times? | 2 | |
| 5 to 20 times? or | 3 | |
| Less than 5 times? | 4 | 51 |
| DK | 8 | |

F-16. Did you ever share needles with anyone?

| | | |
|---------------|----|----|
| YES | 1 | |
| NO | 11 | 52 |
| DK | 11 | |

F-17. Now I'd like to ask you a few questions about your smoking history. Let's start with questions about cigarettes. Have you ever smoked cigarettes regularly, that is, at least half a pack a week for a year or longer?

YES 1 (F-18)
 NO 2 (F-24) 53
 DK 8 (F-24)

F-18. Do you now smoke cigarettes regularly?

YES 1 (F-19)
 NO 2 (F-20) 54

F-19. Averaging over the years that you smoked regularly, how many cigarettes a day did you usually smoke?

 |_|_|_|_| (F-22) 55-57
 CIGARETTES PER DAY
 DK 998 (F-22)

F-20. Averaging over the years that you smoked regularly, how many cigarettes a day did you usually smoke?

 |_|_|_|_| 58-60
 CIGARETTES PER DAY
 DK 998

F-21. How long has it been since you smoked cigarettes regularly?

 |_|_|_| 61-62
 # YEARS
 LESS THAN 1 YEAR 00
 DK 98

F-22. About how old were you when you started smoking cigarettes regularly?

 |_|_|_| 63-64
 AGE
 DK 98

BOX U

REVIEW D-4. DID R SERVE IN VIETNAM DURING MILITARY?

YES 1 (READ PHRASE)
 NO 2 (DO NOT READ PHRASE)

F-36. Our last few questions are about your travel outside the U.S. Since you were 18 years old have you ever lived in or visited any foreign country for at least one continuous month (other than when you were in Vietnam in the military)?

YES 1 (F-37a)
 NO 2 (CLOSING)
 DK 8 (CLOSING)

88
 89-90

READ F-37 TO F-40 FOR EACH COUNTRY IDENTIFIED

26

| What is the (first/next) country where you lived or visited for <u>at least one month</u> ? | In what year did you first live in or visit (<u>COUNTRY</u>)? | For how many months did you stay there? | Have you lived in or visited any <u>other</u> foreign country for at least one continuous month? |
|---|---|---|--|
| F-37a. 1ST COUNTRY _____ | F-38a. 1 9 DK 98 | F-39a. # MOS DK 98 | F-40a. YES . . . 1 (F-37b) NO 2 (EOX V) DK 8 (EOX V) |
| F-37b. 2ND COUNTRY _____ | F-38b. 1 9 DK 98 | F-39b. # MOS DK 98 | F-40b. YES . . . 1 (F-37c) NO 2 (EOX V) DK 8 (EOX V) |
| F-37c. 3RD COUNTRY _____ | F-38c. 1 9 DK 98 | F-39c. # MOS DK 98 | F-40c. YES . . . 1 (F-37d) NO 2 (EOX V) DK 8 (EOX V) |

16-23

24-31

32-39

F-29. When you smoked a pipe, how many pipefuls of tobacco did you usually smoke in a week?

75-77
PIPEFULS/WEEK
DK 998

F-30. Did you ever use snuff on a regular basis; that is, use or dip an average of one small can of snuff a week for at least one year?

78
YES 1 (F-31)
NO 2 (F-34)
DK 8 (F-34)

F-31. For how many years altogether have you used or dipped snuff?

79-80
YEARS
DK 98

F-32. Since you began using snuff, how many small or 1 ounce cans of snuff (do/did) you usually use per week, on the average?

81-82
OF CANS/WEEK
DK 98

F-33. When using snuff, (do/did) you usually take it by nose or by mouth?

83
NOSE 1
MOUTH 2
BOTH 3
DK 8

F-34. The next two questions ask about your household last year. What was the total combined income before taxes of all members of your household last year? Was it:

84-85
Less than \$5,000? 01
Between \$5,000 and \$10,000? 02
Between \$10,000 and \$15,000? 03
Between \$15,000 and \$20,000? 04
Between \$20,000 and \$30,000? 05
Between \$30,000 and \$40,000? 06
Between \$40,000 and \$50,000? 07
\$50,000 or more? 08
DK 98

F-35. What was the total number of persons in your household last year, including yourself?

86-87
OF PEOPLE

| | | | |
|---|---|---|--|
| What is the (first/ next) country where you lived or visited for <u>at least one</u> <u>month</u> ? | In what year did you first live in or visit (<u>COUNTRY</u>)? | For how many months did you stay there? | Have you lived in or visited any <u>other</u> foreign country for at least one continu- ous month? |
| F-37d. 4TH COUNTRY _____ | F-38d. 1 9 DK 98 | F-39d. # MOS DK 98 | F-40d. YES 1 (F-37e) NO 2 (BOX V) DK 8 (BOX V) |
| F-37e. 5TH COUNTRY _____ | F-38e. 1 9 DK 98 | F-39e. # MOS DK 98 | F-40e. YES 1 (CONT.) NO 2 (BOX V) DK 8 (BOX V) |

10-47

18-55

16-94

| |
|--|
| <p>BOX V</p> <p>REVIEW F-37a - F-37j. WAS VIETNAM REPORTED?</p> <p>YES 1 (F-41)</p> <p>NO 2 (CLOSING)</p> |
|--|

F-41. What were you doing when you were in Vietnam?

CLOSING

I would like to thank you for your valuable contribution to the Men's Health Study. It is possible that my supervisor may need to contact you to clarify some aspect of the interview.

TIME |_|_|:|_|_| | AM 95-99
END |_|_|:|_|_| | PM

SECTION G
EVALUATION REPORT

G-1. What was the language in which the interview was conducted?

| | | |
|---------------------------|---|-----|
| ENGLISH | 1 | |
| SPANISH | 2 | |
| CHINESE | 3 | |
| OTHER (SPECIFY) | 4 | 101 |

G-2. Was the respondent's cooperation:

| | | |
|----------------------|---|-----|
| VERY GOOD, | 1 | |
| GOOD, | 2 | |
| FAIR, OR | 3 | |
| POOR? | 4 | 102 |

G-3. The quality of the interview was:

| | | |
|----------------------------------|---------|-----|
| UNSATISFACTORY, | 1 (G-4) | |
| QUESTIONABLE, | 2 (G-4) | |
| GENERALLY RELIABLE, OR | 3 (G-5) | |
| HIGH QUALITY? | 4 (G-5) | 103 |

G-4. The main reason for the unsatisfactory or questionable quality was that the respondent:

| | | |
|---|----|---------|
| WAS ILL OR DISABLED, | 01 | |
| SPOKE ENGLISH POORLY, | 02 | |
| WAS EVASIVE OR SUSPICIOUS, | 03 | |
| WAS BORED OR UNINTERESTED, | 04 | |
| WAS UPSET OR DEPRESSED BY THE TOPIC, | 05 | |
| WAS DRUNK OR MENTALLY DISTURBED, | 06 | |
| HAD POOR HEARING OR SPEECH, | 07 | |
| WAS CONFUSED BY FREQUENT INTERRUPTIONS, | 08 | |
| WAS INSUFFICIENTLY KNOWLEDGEABLE, OR | 09 | |
| SOMETHING ELSE (SPECIFY) | 10 | 104-105 |

G-5. Was the respondent assisted by another person during most of the interview?

| | | | |
|--|---------------|-------|-----|
| | YES | (G-6) | |
| | NO | (G-7) | 106 |

G-6. Why was he assisted?

| | | | |
|--|------------------------------------|---|-----|
| | TOO ILL | 1 | |
| | LANGUAGE PROBLEM | 2 | |
| | RESPONDENT REQUEST | 3 | |
| | SOMETHING ELSE (SPECIFY) | 4 | 107 |

G-7. Was this an in-person or telephone interview?

| | | | |
|--|---------------------|--------|-----|
| | TELEPHONE | (G-10) | |
| | IN-PERSON | (G-8) | 108 |

G-8. Why was the respondent interviewed in-person?

| | | | |
|--|------------------------------------|---|-----|
| | TOO ILL | 1 | |
| | LANGUAGE PROBLEM | 2 | |
| | RESPONDENT REQUEST | 3 | |
| | SOMETHING ELSE (SPECIFY) | 4 | 109 |

G-9. Where was the interview conducted?

| | | | |
|--|------------------------------------|---|-----|
| | R's HOME | 1 | |
| | HOSPITAL | 2 | |
| | SOMETHING ELSE (SPECIFY) | 3 | 110 |

G-10. Record any other relevant observations, comments or impressions you may have had about this interview.

SECTION I

INTRODUCTION

I-1. What is your relationship to Mr. (NAME)?

- SPOUSE 01 (I-2)
- BROTHER 02 (I-3)
- SISTER 03 (I-3)
- MOTHER 04 (I-3)
- FATHER 05 (I-3)
- SON 06 (I-3)
- DAUGHTER 07 (I-3)
- OTHER MALE RELATIVE
(SPECIFY) _____ . . . 08 (I-3)
- OTHER FEMALE RELATIVE
(SPECIFY) _____ . . . 09 (I-3)
- MALE FRIEND
(SPECIFY) _____ . . . 10 (I-3)
- FEMALE FRIEND
(SPECIFY) _____ . . . 11 (I-3)

I-2. How many years were you married?

- _____
YEARS (A-1)
- LESS THAN ONE 01

I-3. How old are you?

AGE

I-4. During the last five years, on average, how many times a month did you talk with your (RELATIVE)?

- _____
TIMES PER MONTH
- LESS THAN ONE 001
- DK 991
- DAILY... 996

I-5. During the last five years, approximately how many miles apart did you live?

- _____
MILES
- LESS THAN ONE 0001
- DK 9991
- SAME HOUSEHOLD 9996

APPENDIX H

***Selected Cancers Study
Military Records Abstraction Form***