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Supplemental User Note 2

Agent Orange Selected Cancers Study, 1985-1990

NN3-442-93-001

Records of the Center for Disease Control and Prevention (Record Group 442)

The National Archives also received, supposedly via Cornell University, the technical documentation for the Vietnam Experience Study (VES) and Agent Orange Validation Study (AOVS) as prepared by the Department of Health & Human Services.

In 1992, the Department of Health & Human Services transferred data and documentation for VES and AOVS. Due to format issues, the National Archives returned the transfer and requested replacement copies. The National Archives has yet to receive the replacement copies and thus does not have the data files from the Department of Health & Human Services.

The National Archives is retaining this set of VES and AOVS documentation as supplemental documentation for the Agent Orange Selected Cancers Study.

However, in 1989, the Department of the Army transferred data and documentation for the Vietnam Experience Study (VES), along with the Battalion Tracking Study. The National Archives accessioned these records as part of Record Group 335 (Records of the Office of the Secretary of the Army). Staff do not know how VES data from the Department of the Army compares to the documentation as prepared by the Department of Health & Human Services.

Lynn Goodsell, Archivist
Electronic Records Division
July 1, 2016

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Supplemental User Note 1

Agent Orange Selected Cancers Study, 1985-1990

NN3-442-93-001

Records of the Center for Disease Control and Prevention (Record Group 442)

The following pages are excerpts from the September 1990 Final Report on the Agent Orange Selected Cancers Study. The pages excerpted include the table of contents, summary, and introduction.

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**The Association of Selected Cancers with
Service in the U.S. Military in Vietnam**

Final Report

***The Selected Cancers Cooperative Study Group
September 1990***

**U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
PUBLIC HEALTH SERVICE
Centers for Disease Control
Center for Environmental Health and Injury Control
Agent Orange Projects
Atlanta, Georgia 30333**

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SUMMARY

The Selected Cancers Study (SCS) is one of several studies undertaken to assess the effects of military service in Vietnam and exposure to herbicides on the subsequent health of American veterans of that conflict. In this population-based, case-control study, we examined the risk of (1) non-Hodgkin's lymphoma, (2) soft tissue and other sarcomas, (3) Hodgkin's disease, and (4) nasal, (5) nasopharyngeal, and (6) primary liver cancer among Vietnam veterans. We chose these malignancies because the published results of other studies suggested that they were associated with exposure to phenoxyherbicides. Agent Orange, which was used extensively in Vietnam, is a combination of two phenoxyherbicides. Because of the difficulty in estimating the amount of exposure to Agent Orange for individual veterans, we evaluated the exposure indirectly. We focused our analysis on the association of Vietnam service and cancer. Other studies on the risk of these cancers in association with military service in Vietnam or with exposure to phenoxyherbicides in nonmilitary settings have produced inconsistent results.

In this study, we restricted the case group to men who were between the ages of 15 and 39 in 1968, near the peak of U.S. troop strength in Vietnam. All men who were diagnosed in a 4-year period (late 1984-late 1988) as having any of the six cancers and who lived in the geographic areas covered by eight tumor registries were eligible for this study. These areas, encompassing three states (Connecticut, Kansas, and Iowa) and five large metropolitan areas (Miami, Detroit, San Francisco, Seattle, and Atlanta), included about 10% of the U.S. population. The comparison group of controls was scientifically drawn from households with telephones and included men of the same age who did not have any of the six cancers.

Information on military service in Vietnam, along with relevant medical and occupational history was collected from both case and control subjects via a telephone interview based on a standardized questionnaire. Interview participation rates were high both for men with cancer (87%) and for controls who completed the selection process (83%). A panel, made up of pathologists who are experts in each of the six cancers, confirmed the cancer diagnoses. The U.S. Army and Joint Services Environmental Support Group, of the Department of Defense, attempted to verify reported military service in Vietnam. The group was unaware of the case or control status of the subject whose record was being reviewed.

For several of the six cancers, the SCS is larger than any other study of men in this relatively young age range that has included confirmation of the diagnosis by a review pathologist panel and the extensive collection of data through a standardized interview.

The strength of the association between military service in Vietnam and each of the sites and types of cancer was assessed by the odds ratio (OR), an estimate of the relative risk that indicates whether cancer is more likely to develop in men who served in Vietnam than in men who did not. An OR of 1.0 would indicate that the risk of cancer among Vietnam veterans is the same as that among other men.

Results

We found an increased risk of non-Hodgkin's lymphoma (NHL) among Vietnam veterans relative to men who did not serve in Vietnam, but no increased risk for the other five cancers. After accounting for other factors that might influence the development of NHL among Vietnam veterans, we found that these men had a roughly 50% increased risk for NHL (OR=1.47). This is a statistically significant increase ($p=0.01$), with the 95% confidence interval ranging from 1.09 to 1.97. When we restricted the comparison population to men who had served in the military, but not in Vietnam, or further restricted it to those who had served during the time of the Vietnam conflict, we found little change in the estimate of a 50%

increased risk. Thus, the increased risk appears to be specific to Vietnam veterans, rather than being associated with military service in general.

The data suggested a higher relative risk for veterans who had served a longer time in Vietnam, although the result was not statistically significant ($p=0.10$). An examination of several characteristics of Vietnam military service, however, showed only slight differences between groups of Vietnam veterans, and these did not prove to be statistically significant. In particular, the risk differed only slightly by dates of service, age at entry on duty in Vietnam, rank, or type of unit the veteran served in (combat, combat support, or support). Differences in risk by branch of service (with risk higher for the Navy and Marines than for the Army or Air Force) lacked statistical significance.

We found no evidence that the increased risk of NHL might be related to exposure to Agent Orange in Vietnam. The pattern of risk among subgroups of Vietnam veterans seemed to be the opposite of the pattern of use for Agent Orange in Vietnam: Navy veterans who served on ocean-going vessels tended to be at higher risk ($OR=2.17$) than Vietnam veterans who were based on land ($OR=1.30$), and Vietnam veterans who served in III Corps, the region of heaviest Agent Orange use, tended to be at somewhat lower risk than Vietnam veterans who served in other regions. Only 1 of the 99 Vietnam veterans with NHL reported that he had handled equipment or containers used with Agent Orange, and none reported having sprayed defoliants. These data, along with evidence from other studies on the likelihood of Vietnam veterans' exposure to Agent Orange, make it quite unlikely that the increased risk of NHL among Vietnam veterans results from exposure to herbicides. In our study, none of the other factors we examined appeared to be responsible for that risk. We examined most known or suspected risk factors for NHL, including immunodeficiency, the use of drugs to prevent malaria, and the use of intravenous drugs, for example, but none explained the increase in risk for Vietnam veterans. We were unable to determine why these men are at higher risk for NHL.

The risk estimate identified in our study is not high. It is, however, of the order of size the study was designed to be able to detect. The possibility that our finding is entirely explained by chance can never be completely ruled out, but that explanation is highly unlikely. If the result for NHL is viewed by itself, there is only a 1 in 100 likelihood that it is due to chance. We designed our study to examine the associations between military service and six malignancies, but the question of whether to adjust for multiple comparisons is controversial. The probability, however, of observing one or more (out of six) associations as extreme as that observed for NHL (when in fact no associations exist) is, at most, 7 in 100.

A risk of this magnitude may be due to unrecognized bias or uncontrolled confounding, but an examination of several recognized potential sources of bias or confounding produced little evidence that these factors had an appreciable effect on our results. For example, the lack of an association between Vietnam service and any of the other malignancies limits the likelihood that the observed association with NHL is due to underascertainment of Vietnam veterans in the control group. Since we studied all cancers simultaneously, using the same design and an identical group of control subjects, several biases concerning selection and information quality should have similarly affected the risk estimates for each of the six cancers.

The risk estimates for the other five cancers were 1.14 (95% confidence interval (CI) 0.71-1.83) for Hodgkin's disease, 1.00 (95% CI 0.63-1.58) for soft tissue and other sarcomas, 0.66 (95% CI 0.15-2.91) for nasal carcinoma, 0.53 (95% CI 0.16-1.77) for nasopharyngeal carcinoma, and 1.16 (95% CI 0.50-2.68) for primary liver cancer. None of the estimates were significantly different from 1.0, the value indicating that the risk among Vietnam veterans is identical to that among men who did not serve in Vietnam. Of particular interest is our finding of no increased risk for sarcoma, a group of cancers that has been of great concern among

Vietnam veterans. When we restricted the cancer group to soft tissue sarcoma, the relative risk was 0.94. We found no indication that any particular subclass of sarcoma was increased after Vietnam service or that any subgroup of Vietnam veterans was at increased risk of sarcoma. As with NHL, we found no indication that the pattern of distribution of sarcoma among the 26 Vietnam veterans with sarcoma was related to the pattern of Agent Orange use in Vietnam.

In summary, our findings suggest that:

1. Vietnam veterans have a roughly 50% increased risk of developing non-Hodgkin's lymphoma 15 to 25 years after military service in Vietnam.
2. Veterans who served in locations other than Vietnam do not have a similar increased risk of non-Hodgkin's lymphoma.
3. The increased risk of non-Hodgkin's lymphoma among Vietnam veterans is not explained by exposure to Agent Orange. Because most of the Vietnam veterans in this study were probably not (or only minimally) exposed to Agent Orange, the results do not constitute an adequate test of the hypothesis that exposure to Agent Orange or dioxin is associated with the development of NHL. A sufficient test would require the study of persons with, and others without, known exposure.
4. Vietnam veterans are not at increased risk for soft tissue or other sarcomas, Hodgkin's disease, nasal cancer, nasopharyngeal cancer, or primary liver cancer.

1. INTRODUCTION

1.1 BACKGROUND

Between 1962 and 1971, an estimated 19 million gallons of herbicide were sprayed in Vietnam to defoliate herbaceous cover and destroy crops, with Agent Orange accounting for about 60% of the total volume (Craig, 1975; Westing, 1984). This defoliant was a 1:1 mixture of two phenoxyherbicides, 2,4-dichlorophenoxyacetic acid (2,4-D) and 2,4,5-trichlorophenoxyacetic acid (2,4,5-T), the latter containing 2,3,7,8-tetrachlorodibenzo-*p*-dioxin (TCDD) as a contaminant. Other herbicides, some including 2,4-D or 2,4,5-T, were also used in Vietnam, but on a smaller scale.

In the United States, 2,4-D and 2,4,5-T had been widely used as herbicides in the 1950s and 1960s, but concern over their use in Vietnam was heightened by results of a study suggesting that 2,4,5-T caused reproductive malformations in rodents (Courtney et al., 1970). According to the results, 113 milligrams per kilogram (mg/kg) body weight of 2,4,5-T administered to female mice on days 6 to 15 of pregnancy resulted in malformations in their offspring, and 2,4,5-T administered to rats on days 10-15 of pregnancy increased the incidence of kidney anomalies. In June 1969, reports in some Vietnamese newspapers suggested that Agent Orange had produced birth defects in humans (EPA, 1971). In 1970 the use of Agent Orange in Vietnam was suspended.

In 1976, the use of Agent Orange in Vietnam received more attention after an explosion at a chemical factory in Seveso, Italy that released 2,4,5-trichlorophenol and TCDD. In 1978 the issue of Agent Orange and its potential health effects was presented in a television documentary titled "Agent Orange: Vietnam's Deadly Fog." Results of later studies indicated that TCDD is carcinogenic in rodents, increasing the incidence of hepatocellular carcinomas and neoplasms in the rat's lung, hard palate, nasal turbinate, and thyroid; in addition, TCDD has produced hepatocellular tumors, thyroid tumors, and fibrosarcoma of integumentary tissue in mice (reviewed in IARC, 1977; Hay, 1982).

Results of case-control studies conducted in Sweden in the late 1970s and early 1980s suggested that phenoxyherbicides (or their contaminant, TCDD) might also be carcinogenic in humans. Hardell and Sandström (1979) found a statistically significant 5.3-fold increase in malignant mesenchymal tumors among men who were classified as having been occupationally exposed to phenoxyherbicides. Later, Eriksson and coworkers (1981) reported a statistically significant 6.8-fold increase in soft tissue sarcoma among men exposed to phenoxyherbicides. In another case-control study, the same group of investigators (Hardell et al., 1981) found a sixfold increase in lymphomas (non-Hodgkin's lymphoma and Hodgkin's disease) among Swedish men exposed to phenoxyherbicides; the investigators found an increased risk for both non-Hodgkin's lymphoma and Hodgkin's disease. In 1982, Hardell and coworkers reported that exposure to phenoxyherbicides also tended to be associated with nasal and nasopharyngeal cancer. They observed a 2.1-fold increase, but the association was not statistically significant.

In numerous later epidemiologic studies, investigators have examined the association between exposure to phenoxyherbicides and cancer (Cantor, 1982; Riihimäki et al., 1982; Balarajan and Acheson, 1984; Gallagher and Threlfall, 1984; Smith et al., 1984; Lynge, 1985; Coggon et al., 1986; Hoar et al., 1986; Pearce et al., 1986; Vineis et al., 1986; Wiklund and Holm, 1986; Woods et al., 1987; Persson et al., 1989; Reif et al., 1989; Wiklund et al., 1989). These studies have used a variety of methods to classify exposure, and the results of these

studies have not been consistent. They have been the subject of several reviews (IARC, 1986; Sterling and Arundel, 1986; Bond et al., 1989; Lilienfeld and Gallo, 1989; Johnson, 1990).

1.2 STUDY DEVELOPMENT

In December 1979, the Veterans Health Programs Extension and Improvement Act of 1979 was signed into law. It called for the Veterans Administration (VA) to "conduct an epidemiological study of persons who, while serving in the Armed Forces of the United States during the period of the Vietnam conflict, were exposed to any of the class of chemicals known as 'the dioxins' produced during the manufacture of the various phenoxyherbicides (including the herbicide known as 'Agent Orange') to determine if there may be long-term adverse health effects in such persons from such exposure" (Public Law 96-151, 38 U.S.C. 219). In November 1981, another law expanded the scope of that study to include "an evaluation of any long-term adverse health effects in humans of such military service, including exposure to other herbicides, chemicals, medications, or environmental hazards or conditions" (Public Law 97-72, 38 U.S.C. 219).

In January 1983, responsibility for implementing the Congressional mandate was transferred from the VA to the Centers for Disease Control (CDC). A team of CDC scientists prepared a "protocol outline," which set down the rudiments of CDC's study plans and served as the basis for a formal interagency agreement with the VA. In response to the legislative directives, CDC proposed three separate studies. One, the Agent Orange Study, was to address exposure to dioxin-containing herbicides, and another, the Vietnam Experience Study, was to evaluate health effects resulting from all factors related to service in Vietnam (CDC VES, 1988a-c). Since, in these studies, malignancies would not be identified in sufficient numbers to adequately examine possible increases in rare tumors, CDC proposed a third study, the Selected Cancers Study (SCS), to investigate certain uncommon forms of cancer that have been linked in some studies to occupational exposure to phenoxyherbicides or chlorophenols.

The SCS, a population-based case-control study, was considered to be a critical part of CDC's efforts because of concern about the risk of cancer among Vietnam veterans. The original protocol called for a study of soft tissue sarcomas and lymphomas, but, as recommended by external reviewers, the protocol was expanded to include the other malignancies. A case-control study was necessary because of the rarity of the cancers of interest among men in the age group that served in Vietnam. If a cohort study had been conducted, it would have had to be massive, and this requirement would have unnecessarily delayed CDC's ability to provide information on the risks of these cancers among Vietnam veterans compared with men who did not serve in the U.S. military in Vietnam.

The term population-based implies that all cases (or a random sample) of the selected cancers in defined population groups will be ascertained and that an attempt will be made to include them in the study. Compared with the more typical hospital-based case-control study, this type of design avoids selection biases arising from the use of cases and controls from a particular hospital.

In designing the SCS, CDC initially assumed that a large proportion (25%) of Vietnam veterans would prove to have been exposed to Agent Orange. The results of studies (CDC VHS, 1988; CDC VHS, 1989) published since 1985 make this premise unlikely; however, these results did not make it necessary for us to change the design of our study. We, like others, focus on the risk of cancer after Vietnam service in general. We only indirectly examine any possible association with exposure to herbicides by investigating characteristics of service, such as military branch, region of service in Vietnam, time period of that service,

and duties involving the handling of herbicides. The results of the SCS have been accepted for publication in the Archives of Internal Medicine (SCS, 1990a-c).



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Center for Electronic Records

**Agent Orange Selected Cancers Study
1985 – 1990**

NN3-442-93-001

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List of Documentation

Agent Orange Selected Cancers Study, 1985 – 1990
Accession Number: NN3-442-93-001

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II. Agency Documentation

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5. Codebook for Pathology Data 125
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7. Codebook for Verbatim Data from the Questionnaire 3
8. Codebook for Occupational Verbatim Data from the Questionnaire 3
9. Codebook for Selection Data from the DBMS 4
10. Codebook for Next-of-Kin Tracking Data 8
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III. NARA Processing Materials (no page count)

1. AERIC Verification Reports
2. Sample Dumps

Cheryl L. Stadel-Bevans
27 February, 2002



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User Note #1

Agent Orange Selected Cancers Study, Questionnaire Data

The original data and documentation sent to NARA from CDC did not match, and the data could not be verified. Replacement files were sent. The data was then verified, and the following discrepancies were found.

1. There are 28 different record types in this file. There are 5,797 records (i.e., respondents) for each record type, except record type 15 which is repeated as needed for each respondent.
2. All record types begin with the same nine fields. Two consistent discrepancies were found among these fields.
 - a. The value "00" occurs in the field QBATCH for 53 records across the record types (more in record type 15), which is outside of the stated range.
 - b. Values from 501 to 1032 occur in the field QNUM. The stated range of this field is 001-500.
3. According to the codebook, many fields had a value of "+" coded. In the data, this value in these fields is coded as BLANK.
4. An extensive number of fields across the record types contain values outside of the range stated in the codebook. This occurred only in fields that were straight numerical data and not codes, such as a person's age, a year, number of siblings, or number of occurrences.
5. In the following coded fields, codes appeared in the data that were not defined for those fields in the codebook. These values were, however, defined for other fields.

Record Type	Field(s)
03	QB17A, QB17B
15	QINCK1
19	QC86DQ, AC87D1, QC91D1, QC95D1, QC97D1
20	QD1, QD4, QD5
26	QHOURE, QMINE, QI2, QI3, QI4, QI5, QI6MO, QI6DY, QTIME2, QG1, QG2, QG3, QG4, QG5, QG6, QG7, QG8, QG9

Coded Value	Meaning
7, 97, 997, ...	Refused
8, 98, 998, ...	Don't Know
9, 99, 999, ...	Not Ascertained

Cheryl Stadel-Bevans
Archives Specialist
27 February, 2002



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User Note #2

Agent Orange Selected Cancers Study, DBMS Data

The National Archives and Records Administration (NARA) verification process noted the following discrepancies between the DBMS data and documentation it received from the Centers for Disease Control and Prevention (CDC).

1. In general, many variables have no data (blank) in the records. The CDC Office that create these records informed NARA that blanks are blanks.
2. For the BIR1 variable (Date of Birth, Location 43-48), the data on the data tape includes approximately 125 records with an undefined 88, 98, or 99 for MM and DD dates. Two records were also noted with MMDDYY dates of 999954, when the valid date range in the codebook ends at 123153. There are 6,955 records with no data (blanks) for the BIR1 variable.
3. The cancer variables (CAN1, CAN7, & CAN11) have one record each with the code 55 which is not in the DBMS codebook. In the "Special Notes regarding the QX.DATA", code "55 refers to an individual with 2 distinct primary cancers: a lymphoma and a carcinoma of the nasopharynx."
4. The date format is listed as YYMMDD in the codebook for the following 21 variables, but it's MMDDYY in the data: DAT7A, DAT7B, DAT10, DATE2, DATE4, DATE5, DATE6, DATE9, DATEA, DATEB, EXDT6, INDT4, INFO2, OC3, ORDT, RECV5, REV1, REV2, SENT1, SENT2, and STDT.
5. For the variable INT5, the codebook has a 2-byte location (101-102) for a 3-byte code. The record layout location 100 is not otherwise used, and when added to 101-102, it corresponds with the layout of the data on the data tape and matches the format for the same type variable (INT4) at location 81-83.

Cheryl Stadel-Bevans
Archives Specialist
27 February, 2002



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User Note #3

Agent Orange Selected Cancers Study, Pathology Data

This file consists of 75 records/subrecords. The first 8 fields in all 75 records are the same. No discrepancies were noted during NARA verification procedures for the data in these fields. The documentation and coded data for the remaining fields were verified and the following items were noted.

1. Records missing data were found frequently during verification.
2. The documentation received from the Centers for Disease Control and Prevention (CDC) did not indicate a QSUBREC field in the record layout for Record 66, Subrecord 00. However, the user note (Document Changes) attached to the documentation states that the subrecord field should be in the record layout in positions 11-12. The record layout was therefore adjusted to include this field for verification purposes, and the data verified properly. A corrected layout is included with this User Note.

Cheryl Stadel-Bevans
Archives Specialist
27 February, 2002

MEN'S HEALTH STUDY
HISTOLOGY CODING MANUAL
06 JUL 1990
MORPHOLOGIC DIAGNOSIS REPORT

Question Column
Name _Number(s)_

QSITE66	001	<u>SITE_ID</u> 1 2 3 4 5 6 7 8	
QNUM66	002-005	<u>SEQUENTIAL_WESTAT_IDENTIFICATION</u> 0001-1100	= ID
QCC66	006	<u>SUBJECT_TYPE</u> 1	= CASE
QCKDG66	007	<u>CHECK_DIGIT</u> 0-9	= CHECK DIGIT
QTAIL66	008	<u>TAIL</u> +	= ALWAYS BLANK
QREC66	009-010	<u>RECORD_NUMBER</u> 66	= RECORD NUMBER
QSUBREC	11-12	Subrecord Number 00	
QBLANK66	011 13	<u>BLANK_FILLER</u> +	= ALWAYS BLANK

Question
Name

Column
Number(s)

DATE (012-017) DATE_OF_REPORT
14-19

MONTH 012-013 MONTH_OF_REPORT
14-15 01-12 = MONTH

DAY 014-015 DAY_OF_REPORT
16-17 01-31 = DAY

YEAR 016-017 YEAR_OF_REPORT
18-19 85-88 = YEAR

CANCER (018-019) TYPE_OF_CANCER
20-21

QMORPH 018 20 MORPHOLOGY_CODE

1	= LYMPHOMA
2	= SOFT TISSUE SARCOMA
3	= BONE OR CARTILAGE SARCOMA
4	= ALL OTHER
5	= SPECIAL CODE ADDED FOR CASE ID 6056113 "LYMPHOMA EPITHELIOMA NASOPHARYNX"

QTOP 019 21 TOPOGRAPHY_CODE

1	= NASAL
2	= NASOPHARYNGEAL
3	= LIVER
4	= ALL OTHER
5	= SPECIAL CODE ADDED FOR CASE ID 6056113 "LYMPHOMA EPITHELIOMA NASOPHARYNX"

Question _Name_	Column Number(s)
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QICDO	020-024 22-26	ICD/O_CODE 00001-99995 = CODE
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QDIAG	025-132 27-132	ORIGINAL_MORPHOLOGIC_DIAGNOSIS KEY VERBATIM
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FOR EVERY RECORD AND SUBRECORD IN THE MORPHOLOGY DATASET, REGARDLESS OF WHETHER INFORMATION WAS KEYED VERBATIM OR WAS CODED, COLUMNS 131 -132 ARE RESERVED FOR THE SEQUENCE NUMBER. IN MOST INSTANCES ITS VALUE WILL BE "01". HOWEVER, SHOULD A RECORD-SUBRECORD COMBINATION OCCUR MORE THAN ONCE FOR THE SAME ID, THE SEQUENCE NUMBER WILL INCREMENT ACCORDINGLY.



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User Note #4

Agent Orange Selected Cancers Study, Screener Data

The documentation the National Archives and Records Administration (NARA) received from the Centers for Disease Control and Prevention (CDC) for the Screener Data has what appears to be typographical errors and omissions in the record layout as follows.

1. Following field location 58-59, the record layout lists the Q5_HHNUM field at location 25-26, but those positions have already been assigned to other fields elsewhere in the layout. The logical unused location for Q5_HHNUM is 60-61, in accordance with the data.
2. A 2-byte code for STATE initials is listed in location 102-102. Location 103 is unused. The logical location for the STATE code is 102-103, in accordance with the data.
3. The ZIP CODE follows the STATE code in the data, but no ZIP CODE field appears in the record layout. However, the 5 bytes needed for the ZIP CODE are not used in the record layout. Therefore, the ZIP CODE field can logically be inserted at unused location 104-108 in the record layout, in accordance with the data.
4. Following field location 115-116, the record layout lists the AGE_RESP field at location 43-44, but those positions have already been assigned to other fields elsewhere in the layout. The logical unused location for AGE_RESP is 117-118, in accordance with the data.
5. CDC "Special Notes" say that the value BLANK found in the data for the AGE-RESP field should be changed to -1, the code for BLANK.
6. The valid codes listed for the CHECKDIG field in location 123-124 are 0-9, but -1 (the code for BLANK elsewhere in the codebook) appears in 148 records, values between 03 and 08 appear in 8 records, and no value appears for 1 record.
7. The codebook record layout includes the field CLUST_ID at location 154-161, but the data stops with the field SELDATE at location 148-153.

Cheryl Stadel-Bevans
Archives Specialist
27 February, 2002



National Archives and Records Administration

8601 Adelphi Road
College Park, Maryland 20740-6001

User Note #5

Agent Orange Selected Cancers Study, Verbatim Response Data

The documentation the National Archives and Records Administration (NARA) received from the Centers for Disease Control and Prevention (CDC) for the Verbatim Response Data does not match the records on the data tape. For example, the record layout defines the Subject Identifier at the beginning of each record as a 10-byte field, but the Questionnaire Data codebook, from which the Verbatim Response questions are selected, indicates that the Subject Identifier is a 7-byte field.

However, there are only three fields containing information in the records for this file: the Subject Identifier, the Question Number, and the Verbatim Response. These are identifiable in the data without a record layout. Therefore, the Verbatim Response Data record layout on the data tape is:

001-007	Subject Identifier
008-009	Blank
010-013	Question Number
014-130	Verbatim Response
131-132	Sequence Number

The Sequence Number field for all records is blank.

Cheryl Stadel-Bevans
Archives Specialist
28 December 2001



National Archives and Records Administration

8601 Adelphi Road
College Park, Maryland 20740-6001

User Note #6

Agent Orange Selected Cancers Study, Military Abstraction Data

The following discrepancies were discovered during verification of the Military Abstraction Data file.

1. Periods in the data not defined in the codebook.

The CDC Agent Orange Projects Office says that undefined periods (.) and blanks in the data should be treated as non-responses such as inapplicable because all literal responses were coded. For example, there are periods in 290 records for the 4th assignment CORPS field (location 235-236) and 290 records that are blank for the Rank at the end of the 4th assignment field (location 195-197), which is consistent with inapplicable if 290 respondents had no 4th assignment.

2. Code in codebook differs from code in data.

The codebook codes for the Malaria field (location 237-238) are 1=Yes, 2=No, and B=Missing, but the codes found in this field during verification are 0, 1, and B.

Cheryl Stadel-Bevans
Archives Specialist
27 February, 2002

MEN'S HEALTH STUDY
SUBJECT QUESTIONNAIRE
FOR THE
SELECTED CANCERS STUDY

Selected Cancers Study Subject Questionnaire

NOTE: The questionnaire used for a next-of-kin or other suitable proxy respondent did not include certain questions (e.g., about their sexual orientation or contact with chemicals in Vietnam). Otherwise, the questions were identical except that the proxy questionnaire referred to a third party (e.g., "Did he ever...?" rather than "Did you ever...?"). In addition, the proxy respondent was asked five questions about his or her relationship to the study subject (Section I--note there is no Section H).

Interviewers who were fluent in each language administered the questionnaire in English, Spanish, and Cantonese Chinese, using professionally-made translations.

|_|_|_|_|_|_|_|-|_|

WESTAT IDENTIFICATION NUMBER

MEN'S HEALTH STUDY
SUBJECT QUESTIONNAIRE
FOR
CENTERS FOR DISEASE CONTROL

DATE OF INTERVIEW: _____

FINAL OUTCOME: _____

	YES	NO
SELECTED FOR VALIDATION:	<input type="checkbox"/>	<input type="checkbox"/>
MILITARY CONSENT FORM REQUIRED:	<input type="checkbox"/>	<input type="checkbox"/>
CONTINUATION BOOKLET:	<input type="checkbox"/>	<input type="checkbox"/>

2

Information contained on this form which would permit identification of any individual or establishment has been collected with a guarantee that it will be held in strict confidence by the contractor and CDC, and will be used only for purposes stated in this study, and will not be disclosed or released to anyone other than authorized staff of CDC without the consent of the individual or the establishment in accordance with Section 308(d) of the Public Health Service Act (42 U.S.C. 242m).

INTRODUCTION

Hello, may I speak to Mr. (NAME)?

- IF RESPONDENT NOT AVAILABLE, ASK: Can you suggest a convenient time when I could reach him? TERMINATE CONTACT AND RECORD RESULTS ON RECORD OF CALLS.
- IF RESPONDENT AVAILABLE, CONTINUE.

Hello, my name is (NAME). I am calling on behalf of the (TUMOR REGISTRY) and the Centers for Disease Control of the U.S. Public Health Service. Under the authority of the Public Health Service Act, we are conducting a nationwide study concerned with the health of men in the United States called the Men's Health Study. You should have received a letter describing this important study from Dr. (NAME), of (TUMOR REGISTRY). Do you remember receiving this letter?

YES 1
NO 2 (BOX 1)

The letter you received described the Men's Health Study, which will involve telephone interviews with over 3,000 men. You are one of a number of people in the (TUMOR REGISTRY) area being asked to participate. All information you give us during the interview will be kept strictly confidential as described in the letter. Unless you have questions or would like some more information, I would like to begin the interview now. (ANSWER ANY QUESTIONS BEFORE CONTINUING) (START INTERVIEW)

BOX 1

INTERVIEWER, READ IF RESPONDENT DID NOT RECEIVE LETTER:

I'm sorry that you haven't received the letter. We mailed the letter to (ADDRESS, CITY, STATE, ZIP). Is that your correct mailing address?

- (IF YES) Apparently it has been delayed in the mail, but let me briefly tell you what it says.
- (IF NO) What is your complete address? (RECORD ON RIS) Let me briefly tell you what the letter says.

You are one of over 3,000 men being asked to participate. The purpose of the Men's Health Study is to collect information that will be used to find out if there is a link between certain occupations, environmental and medical factors and a number of illnesses. Through the information obtained from this study, we hope to find a better means of preventing these illnesses. This information will be collected in a telephone interview, which contains questions on topics such as medical history, occupation, and lifestyle. The interview usually takes less than an hour.

I want to assure you that the information you give us will be kept strictly confidential. Your name will never be used in any reports and no one outside the U.S. Public Health Service or the private research firms involved with this study will know you have participated. I also want you to know your participation is entirely voluntary. There is no penalty for not participating, nor will it affect any benefits you might be entitled to. If at any time you do not wish to answer a question, please let me know, and I will go on to the next question. Unless you have questions or would like some more information, I would like to begin the interview now. (ANSWER ANY QUESTIONS BEFORE CONTINUING) (START INTERVIEW)

SECTION A

BACKGROUND CHARACTERISTICS

A-1. First, I'd like to ask you some questions about your background.
What is your date of birth?

|_|_| | |_|_| | |1|9|_|_|
MONTH DAY YEAR

27-32

BOX A

IS BIRTH YEAR BETWEEN 1929 AND 1953?

YES 1 (A-2)

NO 2

Thank you very much. At this time we are only inter-
viewing men who were born between 1929 and 1953.

A-2. What (county/state) did you live in four months ago?

	_____ (A-4)	33-35
	COUNTY	
OR {	DK 998 (A-3)	
	_____ (A-4)	36-37
	STATE	
	DK 98 (A-3)	

A-3. What city did you live in four months ago?

CITY

A-4. Did you have a telephone in your household four months ago?

YES 1
NO 2 38

A-5. In what city and state or foreign country were you born?

_____ 39-42
CITY
DK 9998
OR { _____ (A-7) 43-44
STATE
DK 98
_____ (A-6) 45-47
FOREIGN COUNTRY
DK 998 (A-7)

A-6. When did you first move to the U.S.?

_____ 48-49
| 1 | 9 | | |
DK 98

A-7. What is your present marital status? Are you:

Married, 1
Living as Married, 2
Widowed, 3
Divorced, 4
Separated, or 5
Never Married? 6 50
DK 8

A-8. What is your race? Are you:

White, 1
Black, 2
Asian, Pacific Islander, 3
American Indian, or Alaskan Native? . . 4
DK 8 51

A-9. Are you Hispanic?

YES	1	
NO	2	
DK	8	52

A-10. Was your mother born in the United States?

YES	1 (A-12)	
NO	2 (A-11)	
DK	8 (A-12)	53

A-11. In what country was your mother born?

<hr/>		
	COUNTRY	
DK	998	54-56

A-12. Most people in the United States have ancestors who came from other parts of the world. Which countries did your mother's ancestors come from? (LIST UP TO 4)

		57
		58-60
<hr/>		
	COUNTRY #1	
		61-63
<hr/>		
	COUNTRY #2	
		64-66
<hr/>		
	COUNTRY #3	
		67-69
<hr/>		
	COUNTRY #4	
DK	998	

A-13. Was your father born in the United States?

YES	1 (A-15)	70
NO	2 (A-14)	
DK	8 (A-15)	

A-14. In what country was your father born?

<hr/>		
	COUNTRY	
DK	998	71-73

A-15. Which countries did your father's ancestors come from? (LIST UP TO 4)	74
_____	75-77
COUNTRY #1	
_____	78-80
COUNTRY #2	
_____	81-83
COUNTRY #3	
_____	84-86
COUNTRY #4	
DK	998

A-16. What is the highest grade or year of regular school or college that you have completed?

NO FORMAL SCHOOLING	01	
KINDERGARTEN - 6TH GRADE	02	
7TH - 9TH GRADE	03	
10TH - 11TH GRADE	04	
12TH GRADE, COMPLETED HIGH SCHOOL . . .	05	
POST HIGH SCHOOL TRAINING OTHER THAN		
COLLEGE (E.G., VOCATIONAL OR		
TECHNICAL TRAINING).	06	
1 - 3 YEARS OF COLLEGE,	07	
4 YEARS OF COLLEGE, BACHELOR'S		
DEGREE	08	
5 OR MORE YEARS OF COLLEGE,		
POST-GRADUATE WORK	09	87-88
DK	98	

A-17. What is the highest grade or year of regular school or college that your mother completed?

NO FORMAL SCHOOLING	01	
KINDERGARTEN - 6TH GRADE	02	
7TH - 9TH GRADE	03	
10TH - 11TH GRADE	04	
12TH GRADE, COMPLETED HIGH SCHOOL . . .	05	
POST HIGH SCHOOL TRAINING OTHER THAN		
COLLEGE (E.G., VOCATIONAL OR		
TECHNICAL TRAINING).	06	
1 - 3 YEARS OF COLLEGE,	07	
4 YEARS OF COLLEGE, BACHELOR'S		
DEGREE	08	
5 OR MORE YEARS OF COLLEGE,		
POST-GRADUATE WORK	09	89-90
DK	98	

A-18. How many brothers and sisters do you have who lived with you when you were growing up?
Please include those who are living or deceased as well as half or step brothers and sisters.

|_|_|
NUMBER

NONE 00 (A-25)
DK 98 (A-25) 91-92

; Please give me the sex and age of each of these brothers and sisters who is still alive.	
A-19. SEX	A-20. AGE
a. MALE 1 FEMALE 2	_ _ DK 98
b. MALE 1 FEMALE 2	_ _ DK 98
c. MALE 1 FEMALE 2	_ _ DK 98
d. MALE 1 FEMALE 2	_ _ DK 98
e. MALE 1 FEMALE 2	_ _ DK 98
f. MALE 1 FEMALE 2	_ _ DK 98

93-95
96-98
99-101
102-104
105-107
108-110
111-128

A-21. Have any of your brothers or sisters who lived with you when you were growing up died?

02

YES 1 (A-22)
NO 2 (A-25)
DK 8 (A-25)

16

Please give me the sex, age at death, and year of death for each of these brothers or sisters who died.		
A-22. SEX	A-23. AGE AT DEATH	A-24. YEAR OF DEATH
a. MALE. . . . 1 FEMALE. . . . 2	_ _ DK 98	1 9 _ _ DK 98
b. MALE. . . . 1 FEMALE. . . . 2	_ _ DK 98	1 9 _ _ DK 98
c. MALE. . . . 1 FEMALE. . . . 2	_ _ DK 98	1 9 _ _ DK 98
d. MALE. . . . 1 FEMALE. . . . 2	_ _ DK 98	1 9 _ _ DK 98
e. MALE. . . . 1 FEMALE. . . . 2	_ _ DK 98	1 9 _ _ DK 98
f. MALE. . . . 1 FEMALE. . . . 2	_ _ DK 98	1 9 _ _ DK 98

17-21
22-26
27-31
32-36
37-41
42-46
47-76

A-25. In what city and state or foreign country did you live the longest during your childhood, that is, the time up to the age of 18?

77-80

CITY
DK 9998

81-82

OR { _____
STATE
DK 98

83-85

FOREIGN COUNTRY
DK 998

A-26. For how many years, up to age 18, did you live there?

86-87

 |_|_|
NUMBER
DK 98

A-27. Would you describe the area where you lived during your childhood as:

Rural, farm land, 1
Town or village, 2
Suburban, 3
Urban, city, or 4
Something else? 5

(SPECIFY)

88-89

DK 8

A-28. When you were 8 years old, in what kind of dwelling did you live? Was it a:

Single family house, 1
Duplex or 2-family house, 2
An apartment, or 3
Something else? 4

(SPECIFY)

90-91

DK 8

A-29. Did your family own or rent that dwelling?

OWN 1
RENT 2
DK 8

92

A-30. In what religion were you raised? (CODE ALL THAT APPLY)

NONE 1 93
CATHOLIC 1 94
PROTESTANT 1 95
JEWISH 1 96
MORMON OR LATTER DAY SAINTS 1 97
SEVENTH DAY ADVENTIST 1 98
OTHER 1 99

100-101

(SPECIFY)

DK 8

SECTION B
MEDICAL HISTORY

Now I'd like to ask you some questions about your health and medical history. Some of the conditions I will ask about are rare and you may not have heard of them.

Did a <u>doctor</u> ever tell you that you had <u>(CONDITION)?</u>	In what year were you <u>first</u> told by a doctor that you had that?	
B-1a. Infectious mononucleosis or mono? YES 1 (B-1b) NO 2 (B-2a) DK 8 (B-2a)	B-1b. 1 9 DK 98	16-18
B-2a. Hepatitis, serum hepatitis or yellow jaundice? YES 1 (B-2b) NO 2 (B-3a) DK 8 (B-3a)	B-2b. 1 9 DK 98	19-21
B-3a. Cirrhosis of the liver? YES 1 (B-3b) NO 2 (B-4a) DK 8 (B-4a)	B-3b. 1 9 DK 98	22-24
B-4a. Liver disease other than hepatitis or cirrhosis? YES 1 (B-4b) NO 2 (B-5a) DK 8 (B-5a)	B-4b. 1 9 DK 98	25-27
B-5a. Multiple sclerosis? YES 1 (B-5b) NO 2 (B-6a) DK 8 (B-6a)	B-5b. 1 9 DK 98	28-30
B-6a. Leprosy? YES 1 (B-6b) NO 2 (B-7a) DK 8 (B-7a)	B-6b. 1 9 DK 98	31-33

Did a <u>doctor</u> ever tell you that you had (<u>CONDITION</u>)?	In what year were you <u>first</u> told by a doctor that you had that?	
B-7a. Systemic lupus erythematosus, Lupus or SLE? YES 1 (B-7b) NO 2 (B-8a) DK 8 (B-8a)	B-7b. 1 9 DK 98	34-36
B-8a. Celiac disease or nontropical sprue? YES 1 (B-8b) NO 2 (B-9a) DK 8 (B-9a)	B-8b. 1 9 DK 98	37-39
B-9a. Neurofibromatosis or Von Recklinghausen's Disease? YES 1 (B-9b) NO 2 (B-10a) DK 8 (B-10a)	B-9b. 1 9 DK 98	40-42
B-10a. Familial polyposis of the colon or Gardner's Syndrome? YES 1 (B-10b) NO 2 (B-11a) DK 8 (B-11a)	B-10b. 1 9 DK 98	43-45
B-11a. Hemochromatosis? YES 1 (B-11b) NO 2 (B-12a) DK 8 (B-12a)	B-11b. 1 9 DK 98	46-48
B-12a. Bell's Palsy? YES 1 (B-12b) NO 2 (B-13a) DK 8 (B-13a)	B-12b. 1 9 DK 98	49-51
B-13a. Chloracne, that is, acne caused by exposure to chemicals, not regular acne? YES 1 (B-13b) NO 2 (B-14a) DK 8 (B-14a)	B-13b. 1 9 DK 98	52-54
B-14a. Paget's disease? YES 1 (B-14b) NO 2 (B-15) DK 8 (B-15)	B-14b. 1 9 DK 98	55-57

B-15. Did you ever have chicken pox?

YES	1	
NO	2	
DK	8	58

B-16. Did a doctor ever tell you that you had allergies?

YES	1 (B-17)	
NO	2 (B-18)	
DK	8 (B-18)	59

B-17. What are you allergic to?

		60-61
a. _____		62-64
b. _____		65-67
c. _____		68-70
DK	998	

B-18. Did a doctor ever tell you that you had arthritis?

YES	1 (B-19)	
NO	2 (B-20)	
DK	8 (B-20)	71

B-19. Did the doctor say it was rheumatoid arthritis?

YES	1	
NO	2	
DK	8	72

B-20. These next questions are about operations or surgical procedures you might have had. Have you had your appendix removed?

YES	1	
NO	2	
DK	8	73

B-21. Have you had your tonsils removed?

YES	1	
NO	2	
DK	8	74

B-22. Have you had a joint replaced by an artificial one?

YES 1 (B-23)
 NO 2 (B-26)
 DK 8 (B-26)

75

76-77

B-23. Which joints were replaced? (PROBE FOR SIDE OF BODY)	B-24. In what year was your (JOINT) first replaced?	B-25. Have any <u>other</u> joints been replaced?	
a. FINGER - LEFT 1 (B-24a)	a. 1 9 DK 98	YES 1 (B-23) NO 2 (B-26) DK 8 (B-26)	78-80
b. FINGER - RIGHT 1 (B-24b)	b. 1 9 DK 98		81-83
c. WRIST - LEFT 1 (B-24c)	c. 1 9 DK 98	YES 1 (B-23) NO 2 (B-26) DK 8 (B-26)	84-86
d. WRIST - RIGHT 1 (B-24d)	d. 1 9 DK 98		87-89
e. ELBOW - LEFT 1 (B-24e)	e. 1 9 DK 98	YES 1 (B-23) NO 2 (B-26) DK 8 (B-26)	90-92
f. ELBOW - RIGHT 1 (B-24f)	f. 1 9 DK 98		93-95
g. SHOULDER- LEFT 1 (B-24g)	g. 1 9 DK 98	YES 1 (B-23) NO 2 (B-26) DK 8 (B-26)	96-98
h. SHOULDER- RIGHT 1 (B-24h)	h. 1 9 DK 98		99-101
i. HIP - LEFT 1 (B-24i)	i. 1 9 DK 98	YES 1 (B-23) NO 2 (B-26) DK 8 (B-26)	102-104
j. HIP - RIGHT 1 (B-24j)	j. 1 9 DK 98		105-107
k. KNEE - LEFT 1 (B-24k)	k. 1 9 DK 98	YES 1 (B-23) NO 2 (B-26) DK 8 (B-26)	108-110
l. KNEE - RIGHT 1 (B-24l)	l. 1 9 DK 98		111-113
m. ANKLE - LEFT 1 (B-24m)	m. 1 9 DK 98	YES 1 (B-23) NO 2 (B-26) DK 8 (B-26)	114-116
n. ANKLE - RIGHT 1 (B-24n)	n. 1 9 DK 98		117-119
o. TOE - LEFT 1 (B-24o)	o. 1 9 DK 98	YES 1 (B-23) NO 2 (B-26) DK 8 (B-26)	120-122
p. TOE - RIGHT 1 (B-24p)	p. 1 9 DK 98		123-125

B-26. Have you ever had a pin, plate, staple, or screw inserted after an injury or for some other reason?

YES 1 (B-27)
NO 2 (B-31)
DK 8 (B-31)

16

17-18

	a. SITE 1	b. SITE 2	c. SITE 3
B-27. In which parts of your body? (PROBE FOR SIDE OF BODY)	<u> </u> BODY SITE	<u> </u> BODY SITE	<u> </u> BODY SITE
B-28. In what year was it first inserted?	1 9 DK 98	1 9 DK 98	1 9 DK 98
B-29. Is it still in place?	YES 1 NO 2 DK 8	YES 1 NO 2 DK 8	YES 1 NO 2 DK 8
B-30. Have any <u>other</u> parts of your body had a pin, plate, staple, or screw inserted?	YES. 1 (B-27b) NO 2 (B-31) DK 8 (B-31)	YES. 1 (B-27c) NO 2 (B-31) DK 8 (B-31)	YES. 1 (B-27d) NO 2 (B-31) DK 8 (B-31)

19-24

25-30

31-33

34-36

37-53

B-31. Have you ever had any other pieces of metal or plastic implanted by a doctor?

YES 1 (B-32)
 NO 2 (B-37)
 DK 8 (B-37)

54

55-56

	a. SITE 1	b. SITE 2	c. SITE 3	
B-32. In what part of your body? (PROBE FOR SIDE OF BODY)	_____ BODY SITE	_____ BODY SITE	_____ BODY SITE	57-62
B-33. What was implanted?				63-68
B-34. In what year was it first implanted?	1 9 DK 98	1 9 DK 98	1 9 DK 98	69-74
B-35. Is it still in place?	YES 1 NO 2 DK 8	YES 1 NO 2 DK 8	YES 1 NO 2 DK 8	75-77
B-36. Have any other pieces of metal or plastic been implanted by a doctor?	YES. . . 1 (B-32b) NO . . . 2 (B-37) DK . . . 8 (B-37)	YES. . . 1 (B-32c) NO . . . 2 (B-37) DK . . . 8 (B-37)	YES. . . 1 (B-32d) NO . . . 2 (B-37) DK . . . 8 (B-37)	78-80

81-103

B-37. After age eighteen, were you ever injured seriously enough to require medical attention?

YES 1 (B-38)
 NO 2 (B-42)
 DK 8 (B-42)

16

17-18

	a. 1ST INJURY	b. 2ND INJURY	c. 3RD INJURY	
B-38. In that injury, what parts of your body were affected? (PROBE FOR SIDE OF BODY AND SITES OF BODY INJURED)	1. _____ SITE OF INJURY 2. _____ SITE OF INJURY 3. _____ SITE OF INJURY	1. _____ SITE OF INJURY 2. _____ SITE OF INJURY 3. _____ SITE OF INJURY	1. _____ SITE OF INJURY 2. _____ SITE OF INJURY 3. _____ SITE OF INJURY	19-24 25-30 31-36
B-39. What type of injury did you have to your (SITE)?	1. _____ TYPE OF INJURY 2. _____ TYPE OF INJURY 3. _____ TYPE OF INJURY	1. _____ TYPE OF INJURY 2. _____ TYPE OF INJURY 3. _____ TYPE OF INJURY	1. _____ TYPE OF INJURY 2. _____ TYPE OF INJURY 3. _____ TYPE OF INJURY	37-42 43-48 49-54
B-40. In what year did this happen?	1 9 DK 98	1 9 DK 98	1 9 DK 98	55-60
B-41. Have you had any <u>other</u> injuries serious enough to require medical attention after age eighteen?	YES. . 1 (B-38b) NO . . 2 (B-42) DK . . 8 (B-42)	YES. . 1 (B-38c) NO . . 2 (B-42) DK . . 8 (B-42)	YES. . 1 (B-38d) NO . . 2 (B-42) DK . . 8 (B-42)	61-63

64-107

B-42. Did you ever receive wounds where any pieces of metal or plastic were not completely removed?

YES 1 (B-43)
 NO 2 (B-44)
 DK 8 (B-44)

108

B-43. Have you already told me about all of these injuries? (IF YES, ASK "Which injuries were they?" IF NO, ASK B-38 - B-41. ENTER INJURY #.)

a. _____
INJURY #

b. _____
INJURY #
YES 1
NO 2 (B38-B41) 109-113

B-44. Before two years ago, were you ever told by a doctor that you had cancer, including skin cancer?

06

YES 1 (B-45)
NO 2 (B-50)
DK 8 (B-50)

16
17-18

	a. 1ST CANCER	b. 2ND CANCER	c. 3RD CANCER	
B-45. What type of cancer was it?	_____ SITE/TYPE	_____ SITE/TYPE	_____ SITE/TYPE	19-30
B-46. In what year were you first told that you had (SITE/TYPE)	1 9 DK 98	1 9 DK 98	1 9 DK 98	31-36
B-47. Were you treated with surgery, radiation, or chemotherapy? (CIRCLE ALL THAT APPLY)	NO TREATMENT 1 (B-49) SURGERY. . . 1 (B-49) RADIATION. . 1 (B-49) CHEMOTHERAPY 1 (B-48)	NO TREATMENT 1 (B-49) SURGERY. . . 1 (B-49) RADIATION. . 1 (B-49) CHEMOTHERAPY 1 (B-48)	NO TREATMENT 1 (B-49) SURGERY. . . 1 (B-49) RADIATION. . 1 (B-49) CHEMOTHERAPY 1 (B-48)	37-39 40-42 43-45 46-48
B-48. What drugs were used?	1. _____ 2. _____ 3. _____ DK 998	1. _____ 2. _____ 3. _____ DK 998	1. _____ 2. _____ 3. _____ DK 998	49-57 58-66 67-75
B-49. Were you told by a doctor that you had any other type of cancer, before two years ago?	YES. 1 (B-45b) NO 2 (B-50) DK 8 (B-50)	YES. 1 (B-45c) NO 2 (B-50) DK 8 (B-50)	YES. 1 (B-45d) NO 2 (B-50) DK 8 (B-50)	76-78

B-50. Did you ever have an organ transplant?

YES	1 (B-51)
NO	2 (B-54)
DK	8 (B-54)

75

B-51. Which organs did you have transplanted? (CIRCLE ALL THAT APPLY)

KIDNEY	1
LIVER	1
HEART	1
CORNEA	1
OTHER	1

76
77
78
79
80

81-82

(SPECIFY)

DK 8

B-52. Were you given drugs to suppress your immune system so that you wouldn't reject the organ(s)?

YES	1 (B-53)
NO	2 (B-54)
DK	8 (B-54)

83

B-53. What were the names of these drugs?

a. _____

b. _____

c. _____

DK 998

84-85
86-88
89-91
92-94

B-54. Did a doctor ever tell you that you had an immunodeficiency problem or a defect in your immune system?

YES	1 (B-55)
NO	2 (B-57)
DK	8 (B-57)

95

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 | 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)

100

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

| | |
TIMES

101-102

DK 98

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

103-104

| 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)

105

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

|_|_|_|
TIMES
DK 98 106-108

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?

112-113
a. _____ 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>In the <u>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>During the <u>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</p> <p>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</p> <p>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</p> <p>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</p> <p>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)	36-40
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)	41-45
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)	46-52
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)	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 | 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 <hr/> (SPECIFY) DK 98	ANGIOMA 01 CANCER 02 THYMUS TROUBLE . . 03 THYROID TROUBLE . 04 TONSILS 05 OTHER 06 <hr/> (SPECIFY) DK 98	ANGIOMA 01 CANCER 02 THYMUS TROUBLE . . 03 THYROID TROUBLE . 04 TONSILS 05 OTHER 06 <hr/> (SPECIFY) DK 98	66-71
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	72-77 78-83
B-81. In what year did you <u>first</u> receive this treatment?	1 9 DK 98	1 9 DK 98	1 9 DK 98	84-89
B-82. Have you received any <u>other</u> 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)	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 <hr/> (SPECIFY) DK 98	ALLERGY 01 DIABETES 02 ANEMIA 03 PERNICIOUS ANEMIA 04 ASTHMA 05 OTHER 06 <hr/> (SPECIFY) DK 98
B-85. What medication did you get?	1. _____ MEDICATION 2. _____ MEDICATION DK 98	1. _____ MEDICATION 2. _____ MEDICATION DK 98
B-86. In what year did you first receive these injections?	1 9 DK 98	1 9 DK 98
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
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
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 <hr/> (SPECIFY) DK 8	ARMS 1 THIGHS 1 BUTTOCK 1 STOMACH 1 OTHER 1 <hr/> (SPECIFY) DK 8
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)

19-22

23-28

29-34

35-38

39-44

45-48

49-50

51-52

53-54

55-56

57-58

59-62

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 <u>first take</u> (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 <u>other</u> medication to <u>treat or cure</u> 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-106)
 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?	<p style="text-align: center;"> _ _ # TIMES PER WEEK</p> LESS THAN 1 PER WEEK . . . 00 DK 98	<p style="text-align: center;"> _ _ # TIMES PER WEEK</p> LESS THAN 1 PER WEEK . . . 00 DK 98
B-109. In what year did you <u>first take (MEDICATION)</u> ?	<p style="text-align: center;"> 1 9 </p> DK 98	<p style="text-align: center;"> 1 9 </p> DK 98
B-110. Altogether, how long did you take <u>(MEDICATION)</u> ?	<p style="text-align: center;"> _ _ #</p> DAYS . . . 1 WEEKS . . . 2 MONTHS . . . 3 YEARS . . . 4 DK 98	<p style="text-align: center;"> _ _ #</p> DAYS . . . 1 WEEKS . . . 2 MONTHS . . . 3 YEARS . . . 4 DK 98
B-111. Have you taken any <u>other</u> medication to prevent getting malaria?	YES 1 (B-106b) NO 2 (B-112) DK 8 (B-112)	YES 1 (B-106c) NO 2 (B-112) DK 8 (B-112)

19-22

23-26

27-30

31-34

35-40

41-42

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)
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)

66-68

69-71

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

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

72

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

DILANTIN 1
 HYDANTOIN 1
 MESANTOIN 1
 PHENOBARBITAL 1
 OTHER 1

73
 74
 75
 76
 77
 78-79

 (SPECIFY)
 DK 8

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

| 1 | 9 | | |

DK 98

80-81

BOX B
ASK B-117 OF ALL RESPONDENTS

B-117. Were you ever married or living as married to someone who was diagnosed as having cancer during or after the marriage?

YES 1 (B-118)
NO 2 (B-122)
DK 8 (B-122)

82
83

RECORD DATA ON FIRST SPOUSE BELOW. IF NECESSARY, GO TO CONTINUATION BOOK. RECORD ALL DATA ON SECOND SPOUSE IN CONTINUATION BOOK.

121
16

	a. 1ST SITE/TYPE	b. 2ND SITE/TYPE	
B-118. What type of cancer was it?	_____ SITE/TYPE	_____ SITE/TYPE	17-24
B-119. How old was your spouse when the cancer was diagnosed?	AGE: __ __ DK 98	AGE: __ __ DK 98	25-28
B-120. In what year was the (SITE/TYPE) diagnosed?	1 9 DK 98	1 9 DK 98	29-32
B-121. Did your spouse have any <u>other</u> types of cancer?	YES 1 (B-118b) NO 2 (B-122) DK 8 (B-122)	YES 1 (B-118c) NO 2 (B-122) DK 8 (B-122)	33-34

35-87

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	19-21
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	22-33 34-45
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	46-51 52-57
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	58-63 64-69
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)	70-72

<p>Did any of your closest blood relatives, again that is mother, father, brothers, sisters, or children, ever have any of the following:</p>	<p>Which relatives? (CIRCLE ALL THAT APPLY)</p>
<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

REFER TO OCCUPATION CHART
FOR QUESTIONS C1 - C6

	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?	YES . . . 1 (JOB 2) NO 2 (C-5b)	
b. 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 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
YR: 1 1 1	YR: 1 1 9	YR: 1 1 9	YR: 1 1 9
YR: 1 1 9	YR: 1 1 9	YR: 1 1 9	YR: 1 1 9
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)
YEARS: _____ ACTIVITIES: _____ _____	YEARS: _____ ACTIVITIES: _____ _____	YEARS: _____ ACTIVITIES: _____ _____	YEARS: _____ ACTIVITIES _____ _____
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)

16-19

20-23

24-25

26-28

29

30-31

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
YR: 1 9	YR: 1 9	YR: 1 9	YR: 1 9
YR: 1 9	YR: 1 9	YR: 1 9	YR: 1 9
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)
YEARS: _____ ACTIVITIES: _____ _____	YEARS: _____ ACTIVITIES: _____ _____	YEARS: _____ ACTIVITIES: _____ _____	YEARS: _____ ACTIVITIES _____ _____
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)

16-19

20-23

24-25

26-28

29

30-31

32

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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.

16

<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>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>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>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>

16-21

22-27

28-34

35-40

<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>
<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>
<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>
<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>

41-46

47-52

53-58

59-65

The next few jobs may involve the use of herbicides or other pesticides. As you may know, herbicides are chemicals that are used to kill trees, bushes, or weeds. Other pesticides include insecticides, which are used to kill insects, fungicides, which are used to kill fungus, and rodenticides, which are used to kill rodents. Again, please tell me about these jobs even if you had them for less than one year or before you were 18 years old.

C-14. I'd like to ask about any work you may have done while living or working on a farm or ranch. (IF R MENTIONED FARM WORK IN C1 - C6, CODE YES. OTHERWISE ASK:) Did you ever live or work on a farm or ranch of any kind at any time?

YES	1 (C-15)	
NO	2 (C-47, p. 45)	66

C-15. Did you live there, work there, or both?

LIVED	1 (C-16)	
WORKED	2 (C-19)	67
BOTH	3 (C-16)	

C-16. In what year did you first live on a farm or ranch?

1 9	68-69
DK	98

C-17. In what year did you last live on a farm or ranch?

1 9	70-71
DK	98

C-18. For how many years in total did you live on a farm or ranch?

	72-73
# YRS	
CONTINUOUS	96
DK	98

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 #.)

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

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

DK 998 103-117

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 (C-30)
NO 2 (C-37)
DK 8 (C-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>	17-18
<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>	19-20
<p>C-32. Work in or near an area where they were used?</p> <p>YES 1 NO 2 DK 8</p>		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?

24-38

DK 998

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

| 1 | 9 | | |

39-40

DK 98

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

| 1 | 9 | | |

41-42

DK 98

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

| | |
YRS

43-44

CONTINUOUS 96

DK 98

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

YES 1 (C-38)

NO 2 (C-47)

DK 8 (C-47)

45

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

CATTLE 1

CHICKENS 1

HOGS 1

HORSES/MULES 1

SHEEP 1

TURKEYS 1

OTHER ANIMALS (SPECIFY)

46

47

48

49

50

51

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?

YES 1 (C-40)

NO 2 (C-47)

DK 8 (C-47)

59

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>
<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>
<p>C-42. Work in or near an area where they were used?</p> <p>YES 1 NO 2 DK 8</p>	

60-61

62-63

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

67-81

DK 998

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:	
<p>C-50a. Apply or spray them?</p> <p>YES 1 (C-50b) NO 2 (C-51a) DK 8 (C-51a)</p>	<p>C-50b. 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>	95-96
<p>C-51a. Mix or prepare them?</p> <p>YES 1 (C-51b) NO 2 (C-52) DK 8 (C-52)</p>	<p>C-51b. 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>	97-98
<p>C-52. Work in or near an area where herbicides were used?</p> <p>YES 1 NO 2 DK 8</p>		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

DK 998 102-116

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

| 1 | 9 | | |

117-118

DK 98

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

| 1 | 9 | | |

119-120

DK 98

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

| | |
YRS

121-122

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)

DK 8 (C-67)

16

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

NO 2 (C1-C5)

a.
JOB #
b.
JOB #

17-21

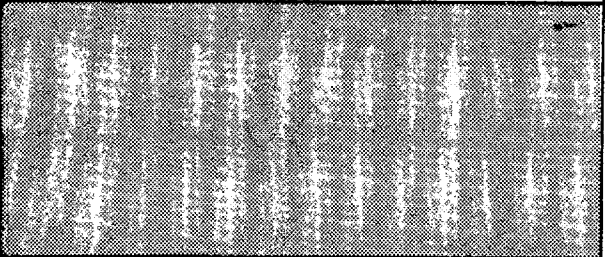
C-59. Were herbicides or weed killers ever used in this work?

YES 1 (C-60)

NO 2 (C-67)

DK 8 (C-67)

22

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>
<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>
<p>C-62. Work in or near an area where herbicides were used?</p> <p>YES 1 NO 2 DK 8</p>	

23-24

25-26

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?

_____ DK 998

28-29

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)

NO 2 (C-77)

DK 8 (C-77)

51

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

NO 2 (C1-C5)

a. _____
JOB #
b. _____
JOB #

52-56

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

YES 1 (C-70)

NO 2 (C-77)

DK 8 (C-77)

57

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>	58-59
<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>	60-61
<p>C-72. Work in or near an area where herbicides were used?</p> <p>YES 1 NO 2 DK 8</p>		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?

DK 998

63-64

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.
JOB #

b.
JOB #

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 #.)
<p>C-86a. Chemical solvents, such as acetone, benzene, carbon tetrachloride or toluene?</p> <p>YES . . 1 (C-86b) NO . . 2 (C-87a) DK . . 8 (C-87a)</p>	<p>C-86b.</p> <p>DK 98 (C-86c)</p>	<p>C-86c.</p> <p>(C-86d)</p>	<p>C-86d.</p> <p>1. _____ # JOB</p> <p>YES . . 1 2. _____ # JOB</p> <p>NO . . 2 (C1-C5)</p>
<p>C-87a. Wood preservatives or wood-treating chemicals?</p> <p>YES . . 1 (C-87b) NO . . 2 (C-88a) DK . . 8 (C-88a)</p>	<p>C-87b.</p> <p>DK 98 (C-87c)</p>	<p>C-87c.</p> <p>(C-87d)</p>	<p>C-87d.</p> <p>1. _____ # JOB</p> <p>YES . . 1 2. _____ # JOB</p> <p>NO . . 2 (C1-C5)</p>
<p>C-88a. Insulation or fire-proofing materials?</p> <p>YES . . 1 (B-88b) NO . . 2 (B-89a) DK . . 8 (B-89a)</p>	<p>C-88b.</p> <p>DK 98 (C-88c)</p>	<p>C-88c.</p> <p>(C-88d)</p>	<p>C-88d.</p> <p>1. _____ # JOB</p> <p>YES . . 1 2. _____ # JOB</p> <p>NO . . 2 (C1-C5)</p>
<p>C-89a. Nickel compounds or alloys?</p> <p>YES . . 1 (C-89b) NO . . 2 (C-90a) DK . . 8 (C-90a)</p>	<p>C-89b.</p> <p>DK 98 (C-89c)</p>	<p>C-89c.</p> <p>(C-89d)</p>	<p>C-89d.</p> <p>1. _____ # JOB</p> <p>YES . . 1 2. _____ # JOB</p> <p>NO . . 2 (C1-C5)</p>
<p>C-90a. Chromium compounds or alloys, such as chromic acid or chromate pigments?</p> <p>YES . . 1 (C-90b) NO . . 2 (C-91a) DK . . 8 (C-91a)</p>	<p>C-90b.</p> <p>DK 98 (C-90c)</p>	<p>C-90c.</p> <p>(C-90d)</p>	<p>C-90d.</p> <p>1. _____ # JOB</p> <p>YES . . 1 2. _____ # JOB</p> <p>NO . . 2 (C1-C5)</p>

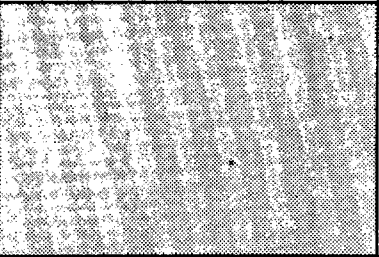
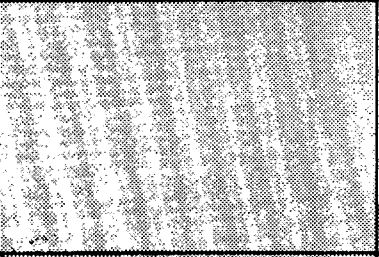
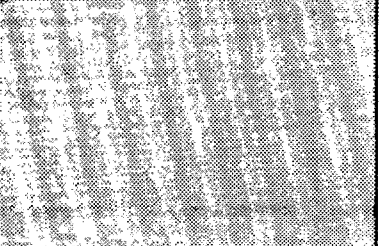
16-21

22-27

28-33

34-39

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 #.)	
<p>C-91a. Pesticides and fumigants, other than herbicides?</p> <p>YES . . 1 (C-91b) NO . . 2 (C-92a) DK . . 8 (C-92a)</p>	<p>C-91b.</p> <p>DK 98 (C-91c)</p>	<p>C-91c.</p> <p>(C-91d)</p>	<p>C-91d.</p> <p>1. _____ # JOB</p> <p>YES . . 1 2. _____ # JOB</p> <p>NO . . 2 (C1-C5)</p>	46-51
<p>C-92a. Radioactive substances?</p> <p>YES . . 1 (C-92b) NO . . 2 (C-93a) DK . . 8 (C-93a)</p>	<p>C-92b.</p> <p>DK 98 (C-92c)</p>	<p>C-92c.</p> <p>(C-92d)</p>	<p>C-92d.</p> <p>1. _____ # JOB</p> <p>YES . . 1 2. _____ # JOB</p> <p>NO . . 2 (C1-C5)</p>	52-57
<p>C-93a. Formaldehyde?</p> <p>YES . . 1 (B-93c) NO . . 2 (B-94a) DK . . 8 (B-94a)</p>		<p>C-93c.</p> <p>(C-93d)</p>	<p>C-93d.</p> <p>1. _____ # JOB</p> <p>YES . . 1 2. _____ # JOB</p> <p>NO . . 2 (C1-C5)</p>	58-63
<p>C-94a. X-rays?</p> <p>YES . . 1 (C-94c) NO . . 2 (C-95a) DK . . 8 (C-95a)</p>		<p>C-94c.</p> <p>(C-94d)</p>	<p>C-94d.</p> <p>1. _____ # JOB</p> <p>YES . . 1 2. _____ # JOB</p> <p>NO . . 2 (C1-C5)</p>	64-69
<p>C-95a. Plywood, fiberboard or particleboard?</p> <p>YES . . 1 (C-95c) NO . . 2 (C-96a) DK . . 8 (C-96a)</p>		<p>C-95c.</p> <p>(C-95d)</p>	<p>C-95d.</p> <p>1. _____ # JOB</p> <p>YES . . 1 2. _____ # JOB</p> <p>NO . . 2 (C1-C5)</p>	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. _____ # JOB YES . . 1 2. _____ # JOB 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. _____ # JOB YES . . 1 2. _____ # JOB 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. _____ # JOB YES . . 1 2. _____ # JOB 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. _____ # JOB YES . . 1 2. _____ # JOB 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. _____ # JOB YES . . 1 2. _____ # JOB 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. _____ # JOB YES . . 1 2. _____ # JOB 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 you : (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 <u>at the end</u> 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-16) NO 2 (D-8d)

72-77

78-80

81-125

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intentionally -*

At certain times, various chemicals were used in certain parts of Vietnam. For example, "insecticides" were sprayed to control insects. "Herbicides" or "defoliants" were used to make leaves drop from bushes and trees or to kill grass or weeds. Military personnel could have come into contact with these chemicals in several different ways.

We would like to learn as much as possible about whether you may have been in an area where chemicals were used. To do this, we need your permission to send your military service number and social security number to a special government task force which may be able to get this information from records kept by the military. Furnishing such data is voluntary. Would you please give me these numbers?

D-16. MILITARY SERVICE # |__|__|__|__|__|__|__|__|

REFUSED 99999997

DK 99999998

D-17. SOCIAL SECURITY # |__|__|__|__|__|__|__|__|

REFUSED 99999997

DK 99999998

BOX K

INTERVIEWER: READ APPROPRIATE PHRASING

IF THE PERSON PROVIDES THE #'s:

You will receive a letter in the mail within the next week with the numbers you have just provided me for verification. Please sign the form making any corrections if necessary and return in the enclosed envelope.

IF THE PERSON WAS UNCERTAIN OF THE #'s:

You will receive a letter in the mail within the next week. Please sign the letter, indicate your military service and social security numbers and return in the enclosed envelope.

IF THE PERSON IS HESITANT:

It is not necessary for you to make up your mind now. I will be sending you a letter on which you can provide the numbers if you decide to do so.

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intentionally -

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)
DK 8 (D-23)

60

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
b. DESTROY VEGETATION . . . 1
c. OTHER (SPECIFY) 1

DK 8

64
65
66

67-68

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
b. SECOND TOUR 1
c. THIRD TOUR 1
d. OTHER TOUR (SPECIFY). . . 1

86
87
88
89

90-91

DK 8

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

YES 1 (D-24)
NO 2 (D-28)
DK 8 (D-28)

92

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

93-95

DK 998

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
b. DESTROY VEGETATION 1
c. OTHER (SPECIFY) 1

96
97
98

DK 8

99-100

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

101-102

103-117

DK 998

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
b. SECOND TOUR 1
c. THIRD TOUR 1
d. OTHER TOUR (SPECIFY). 1

118
119
120
121

DK 8

122-123

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

YES 1 (D-29)
NO 2 (D-33)
DK 8 (D-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
b. DESTROY VEGETATION 1
c. OTHER (SPECIFY) 1

20

21

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
b. SECOND TOUR 1
c. THIRD TOUR 1
d. OTHER TOUR (SPECIFY). 1

42

43

44

45

_____ DK 8

46-47

D-33. Did you ever spray chemicals yourself?

YES 1 (D-34) 48
NO 2 (D-38)
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

DK 8 55-56

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

_____ 57-58

DK 998 59-73

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

DK 8 78-79

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

YES 1 (D-39)
NO 2 (D-41)
DK 8 (D-41)

80

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
b. SECOND TOUR 1
c. THIRD TOUR 1
d. OTHER TOUR (SPECIFY). . . 1

84
85
86
87

88-89

_____ DK 8

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

YES 1 (D-42)
NO 2 (BOX R)
DK 8 (BOX R)

90

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 |

118-119

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 E) 120
DK 8 (SECTION E)

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?

| | | 19-20
YEARS
DK 98

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

| | | 21-22
TIMES

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?	_____	_____	_____	37-42
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	43-51 52-60 61-69
E-13. In what year did you start that (hobby/ activity)?	1 9 _ _ _ DK 98	1 9 _ _ _ DK 98	1 9 _ _ _ DK 98	70-75
E-14. For how many years have you done that?	YRS: _ _ _ DK 98	YRS: _ _ _ DK 98	YRS: _ _ _ DK 98	76-81
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	82-84
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)	85-87

[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 17-18
DK 98

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

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

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

 |_|_|
 # OF YEARS 20-21
LESS THEN 1 YEAR 00
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 22-24
LESS THAN ONE/WEEK 000
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?

25-27

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

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?

28-30

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

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?

31-33

NONE 000 (F-11)

|_|_|_|
PARTNERS

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

34-36

|_|_|_|
NUMBER OF WOMEN

DK 998

BOX T
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?)

37-39

|_|_|_|
NUMBER OF MEN

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	2	52
DK	8	

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) 54
 NO 2 (F-20)

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

F-23. Altogether, for how many years (did you/have you) smoke(d) an average of half a pack a week or more?

|_|_|
YEARS

65-66

DK 98

F-24. Did you ever smoke an average of one or more cigars a week for at least one year?

YES 1 (F-25)
NO 2 (F-27)
DK 8 (F-27)

67

F-25. For how many years altogether have you smoked cigars?

|_|_|
YEARS

68-69

DK 98

F-26. Over that time period, how many cigars a week did you smoke, on the average?

|_|_|
CIGARS/WEEK

70-71

DK 98

F-27. Did you ever smoke an average of one or more pipefuls of tobacco a week for at least one year?

YES 1 (F-28)
NO 2 (F-30)
DK 8 (F-30)

72

F-28. For how many years altogether have you smoked a pipe?

|_|_|
YEARS

73-74

DK 98

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

|_|_|_|
PIPEFULS/WEEK
DK 998 75-77

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?

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

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

|_|_|
YEARS
DK 98 79-80

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?

|_|_|
OF CANS/WEEK
DK 98 81-82

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

NOSE 1
MOUTH 2 83
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:

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 84-85
\$50,000 or more? 08
DK 98

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

|_|_|
OF PEOPLE 86-87

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 (BOX V) DK 8 (BOX V)
F-37b. 2ND COUNTRY _____	F-38b. 1 9 DK 98	F-39b. # MOS DK 98	F-40b. YES . . . 1 (F-37c) NO 2 (BOX V) DK 8 (BOX V)
F-37c. 3RD COUNTRY _____	F-38c. 1 9 DK 98	F-39c. # MOS DK 98	F-40c. YES . . . 1 (F-37d) NO 2 (BOX V) DK 8 (BOX V)

16-23

24-31

32-39

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)

40-47

48-55

56-94

<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
END |_|_|:|_|_| PM 95-99

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	102
POOR?	4	

G-3. The quality of the interview was:

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

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	104-105
SOMETHING ELSE (SPECIFY)	10	

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

YES 1 (G-6)
NO 2 (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 1 (G-10)
IN-PERSON 2 (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?

- |_|_| (A-1)
YEARS
- LESS THAN ONE 00

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 000
DK 998
DAILY...996

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

- |_|_|_|_|
MILES
- LESS THAN ONE 0000
DK 9998
SAME HOUSEHOLD 9996

SELECTED CANCERS STUDY
LIST OF APPENDICES FROM THE
MEN'S HEALTH STUDY QUESTIONNAIRE

CODES IN APPENDICES ARE IN NUMERIC ORDER

* This document is referred to in the codebook for SAS Data Sets PIQX and PIANFILE.

LIST OF APPENDICES

<u>APPENDICES</u>	<u>QUESTIONS</u>	<u>TITLE</u>
A	A27	WHERE DID YOU LIVE
B	A28	WHAT KIND OF DWELLING
C	A30G1	WHAT RELIGION
D and ATTACHMENT	B17A-C	ALLERGIES (ATTACHMENT LISTS RESPONSES NOT CODED)
E and ATTACHMENT	B27A-F, B32A-F B38A1-3 Thru B38F1-3, B80A1-2 Thru B80F1-2	BODY SITES (ATTACHMENT LISTS RESPONSES NOT CODED)
F	B33A-F	IMPLANTS
G and ATTACHMENT	B39A1-3 Thru B39F1-3	TYPE OF INJURY (ATTACHMENT LISTS RESPONSES NOT CODED)
H and ATTACHMENT	B45A-F, B118A1-2 Thru B118D1-2, B124A1-2 Thru B124F1-2	CANCER (ATTACHMENT LISTS RESPONSES NOT CODED)
I and ATTACHMENT	B48A1-3 Thru B48F1-3	CHEMOTHERAPY DRUG (ATTACHMENT LISTS RESPONSES NOT CODED)
J	B51E1	ORGANS TRANSPLANTED
K	B53A-C	IMMUNE SYSTEM DRUG
L	B55	IMMUNODEFICIENCIES
M	B64A-C	BLOOD PRODUCTS
N	B73A2	OTHER NOSE PROBLEMS
O	B79A-F	REASON FOR RADIOTHERAPY
P	B84A-D	CONDITIONS FOR REGULAR INJECTIONS
Q	B85A1-2 Thru B85D1-2	INJECTIONS OR SHOTS
R and ATTACHMENT	B89A5A-B89D5A	BODY SITES FOR INJECTIONS (ATTACHMENT LISTS RESPONSES NOT CODED)

LIST OF APPENDICES

<u>APPENDICES</u>	<u>QUESTIONS</u>	<u>TITLE</u>
S	B95A1	OTHER SPECIFIED DRUG FOR WEIGHT LOSS
T and ATTACHMENT	B97C1	OTHER SPECIFIED DRUG TO LOWER CHOLESTEROL (ATTACHMENT LISTS RESPONSES NOT CODED)
U	B100A-D, B106A-D	COLOR OF MALARIA PILLS
V	B101A-D, B107A-D	NAME OF MEDICATION (MALARIA)
W and ATTACHMENT	B115E1	OTHER EPILEPSY DRUGS (ATTACHMENT LISTS RESPONSES NOT CODED)
X and ATTACHMENT	C20F-J	OTHER CROPS (ATTACHMENT LISTS NOT CODED)
Y and ATTACHMENT	C25A-E, C33A-E, C43A-E C53A-E, C63A-E, C73A-E C82A-E	HERBICIDES, INSECTICIDES AND OTHER PESTICIDES (ATTACHMENT LISTS RESPONSES NOT CODED)
Z	C38G-1	OTHER ANIMALS
AA	THERE IS NO APPENDIX "AA"	
BB	D10A-I	RANK AT END OF TOUR
CC	D13A-I	KIND OF UNIT
DD	D21A-E, D26A-E, D31A-E D36A-E, D43A-E	CHEMICALS
EE	D22D1, D27D1, D32D1 D37D1, D40D1, D45D1 D49D1	OTHER SPECIFY TOUR
FF and ATTACHMENT	E6C1	OTHER SPECIFY MADE FROM WOOD (ATTACHMENT LISTS RESPONSES NOT CODED)
GG	E11A-F	HOBBY OR ACTIVITY

LIST OF APPENDICES

<u>APPENDICES</u>	<u>QUESTIONS</u>	<u>TITLE</u>
HH and ATTACHMENT	E12A1-3 Thru E12F1-3	CHEMICALS USED IN HOBBIES (ATTACHMENT LISTS RESPONSES NOT CODED)
II	C601-C609	OTHER ACTIVITIES
JJ and ATTACHMENT	D20C1,D25C1 D30C1,D35C1	WHAT WERE THE CHEMICALS USED FOR (ATTACHMENT LISTS RESPONSES NOT CODED)

WORLDWIDE GEOGRAPHIC CODEBOOK - U.S. GENERAL SERVICES ADMINISTRATION
APRIL 1984

QUESTIONS

TITLE

A5C	WHAT CITY AND STATE OR FOREIGN COUNTRY WERE YOU BORN IN
A11	WHAT COUNTRY WAS YOUR MOTHER BORN IN
A12A-D	COUNTRIES YOUR MOTHER'S ANCESTORS CAME FROM
A14	WHAT COUNTRY WAS YOUR FATHER BORN IN
A15A-D	COUNTRIES YOUR FATHER'S ANCESTORS CAME FROM
A25C	WHAT CITY AND STATE OR FOREIGN COUNTRY DID YOU LIVE THE LONGEST DURING YOUR CHILDHOOD
F37A-J	SINCE CHILDHOOD WHAT FOREIGN COUNTRY HAVE YOU LIVED OR VISITED FOR AT LEAST ONE CONTINUOUS MONTH

ZZ,ZZZ,ZZZZ = More items were listed than there was room to code.
Additional responses are coded on paper and have been
keyed into a SAS data set called "ADDITION"

APPENDIX A

Question: A-27

AREA LIVED DURING CHILDHOOD

- 01= Rural, Farm Land
- 02= Town or Village
- 03= Suburban
- 04= Urban, City
- 05= Something Else - See Below:

THE FOLLOWING ANSWERS ARE LISTED BY PARTICIPANT ID IN NUMERICAL ORDER:

<u>PARTICIPANT ID</u>	<u>ANSWER</u>
635-1006320	Army Bases
136-1006412	Army Base
769-1015425	Air Force Bases
368-2013325	Resort Area
184-4004327	Equal Time in Rural and Urban Setting
A68-5007646	Nothing Specified
496-5010129	Nothing Specified
512-5011517	Nothing Specified
714-5017520	Nothing Specified
551-5018217	Nothing Specified
972-5020737	Nothing Specified
715-5021114	Parish
807-5022410	Nothing Specified
933-5024610	Nothing Specified
A51-5027219	Both - With Parents in the City and With Grandparent on the Farm
284-6014412	Air Force Base
283-6015729	Rural Suburb of San Francisco on the Beach
597-6025522	Other Side of the Tracks
336-6032416	Rural Suburban
773-6053031	Nothing Specified
629-6056216	Sparsely Populated but Outskirts of Town
A42-6056526	Other - (Nothing Else Coded)
892-6081311	Artists Colony
924-6081919	Part of Barrio
896-6085113	Military Reservation Posts
A36-6096016	Ghetto
B47-6100913	Projects
766-7003549	Half Time in Rural - Half Time in Urban
139-7003620	Changed Thru the Years - Both Rural and Town/Village
352-8000143	Rural Industrial - Outside Small Town but not Farmland

APPENDIX A (Continued)

THE FOLLOWING ANSWERS ARE LISTED BY PARTICIPANT ID IN NUMERICAL ORDER:

<u>PARTICIPANT ID</u>	<u>ANSWER</u>
317-8012711	Industrial Edge of Suburban but it was Industrial
755-8013626	Half Farm - Half City
371-8013718	Suburban Farmland
755-8014726	Military Reservation Posts
924-8018322	Military Reservation Posts

APPENDIX B

Question: A-28

TYPE OF DWELLING LIVED IN DURING CHILDHOOD

- 01= Single Family House
- 02= Duplex or 2-Family House
- 03= Apartment
- 04= Something Else - See Below:

THE FOLLOWING ANSWERS ARE LISTED BY PARTICIPANT ID IN NUMERICAL ORDER:

<u>PARTICIPANT ID</u>	<u>ANSWER</u>
012-1000421	Five-Story Town Home
563-1018714	Family House, Triplex
B02-1028816	Orphanage
088-2000244	Dormitory
619-2003946	Multi-Family
457-2016924	Orphanage, Orphanage Dormitory
616-2020024	Orphanage, Orphanage Dormitory
479-2025018	Dormitory
547-2029614	Family House, Fourplex
528-2030919	Family House, Triplex
798-2032625	Family House, Fourplex
837-2033127	Family House, Fourplex
A92-2045913	Ground Floor Stall
017-3000920	Military Base Housing
170-3005615	River Boat
157-3009015	Boarding School, Boarding School Dorm
201-3009521	Orphanage, Orphanage Dormitory
976-3032817	Country Home - (Where Parents Worked)
B67-4003146	Institution
865-4016423	Box Car
A64-4021715	Orphanage
067-5000625	Huge House, Small House and Cottage
032-5000728	Family House, Fourplex
067-5002113	Shack
061-5002320	Family House, Fourplex
471-5002548	Mental Institution
727-5003844	Palm and Mud Structure
184-5004520	Trailer, Mobile Home
B02-5009938	Wood Palm Hut
343-5011713	Not Specified
343-5013810	Family House, Triplex
746-5018321	Rooming House
029-6003520	Family House, Fourplex
075-6005823	Trailer, Mobile Home
127-6012212	Orphanage, Orphanage Dormitory

APPENDIX B (Continued)

THE FOLLOWING ANSWERS ARE LISTED BY PARTICIPANT ID IN NUMERICAL ORDER:

<u>PARTICIPANT ID</u>	<u>ANSWER</u>
284-6014412	Trailer, Mobile Home
265-6014526	Tent
842-6014548	Rooming House
932-6017044	Trailer, Mobile Home
981-6018443	Hotel - (Family Owned) and Guest House
A09-6018649	Castle
191-6019819	Big Brick House With All Our Families
A64-6020745	Estate
261-6023012	Family House, Triplex
596-6028121	Military Base Housing
336-6028512	Castle
445-6030010	Orphanage, Orphanage Dormitory
B75-6030744	House from Government
575-6031811	Quonset Hut
503-6037514	Military Base Housing
954-6037721	Castle
893-6041728	Boarding School, Boarding School Dorm
532-6048613	Rooming House
771-6049632	Military Base Housing
B35-6050823	Guest House on Ranch Where Parents Worked
A04-6051428	Government Housing Project
A43-6055622	Quonset Hut on Military Base
594-6057718	Trailer, Mobile Home
629-6057914	Institutional Dorm for Children
B33-6060523	Dormitory - Military Base
705-6062815	Trailer, Mobile Home
694-6065115	Trailer, Mobile Home
894-6066514	Farm Camp
A07-6082215	Military Housing
950-6082411	Room - (No Money Rented a Room)
931-6087416	Multi-Family House
A37-6095318	Orphanage
A13-7005347	Shack
492-7012220	Trailer, Mobile Home
686-7018325	Shack
583-7030914	Trailer, Mobile Home
913-7046317	Back of Laundry - One Family
920-7047118	Family House, Fourplex
B51-7052916	Rooming House
722-8006123	Boarding School, Boarding School Dorm
414-8007625	Single Family Residence Above Store
239-8009412	Military Base Housing
882-8009939	Housing Projects

APPENDIX B (Continued)

THE FOLLOWING ANSWERS ARE LISTED BY PARTICIPANT ID IN NUMERICAL ORDER:

<u>PARTICIPANT ID</u>	<u>ANSWER</u>
657-8013914	Institution
657-8020211	Tent on a Frame
795-8024611	Trailer, Mobile Home
832-8025216	Family House, Triplex
959-8026213	Family House, Fourplex
988-8030612	Hotel - (Family Owned)

APPENDIX C

Question: A-30 g1

RELIGION

- 01= AME, AME ZION
- 02= Ancestor Worship
- 03= Armenian Apostolic
- 04= Assembly of God
- 05= Atheist
- 06= Buddhist
- 07= Burned Candles, ETC.
- 08= Christian, Christian Orthodox
- 09= Christian Reform
- 10= Christian Scientist
- 11= Church of Christ
- 12= Church of Nazerene
- 13= Church of Religious Science
- 14= Congregationalist
- 15= Disciples of Christ
- 16= Druze-Lebanon
- 17= Dutch Reformed
- 18= Evangelist
- 19= Greek Apostolic
- 20= Greek Orthodox
- 21= Hindu
- 22= Holiness
- 23= Humanitarian
- 24= Intellectual Freethinker
- 25= Islam
- 26= Israel of God's Church
- 27= Jehovah's Witness
- 28= Menonnite
- 29= Moslem
- 30= Naturalist
- 31= Non-Denominational/Non-Denominational Christian
- 32= Orthodox
- 33= Pentacostal
- 34= Quaker
- 35= Quon Yum
- 36= Reformed
- 37= Reorganized Latter Day Saints
- 38= Russian Orthodox
- 39= Salvation Army
- 40= Serbian Eastern Orthodox
- 41= Shinto
- 42= Sikh
- 43= Spiritualist
- 44= Taoism
- 45= Unitarian

APPENDIX C (Continued)

46= United Congregation
47= Yolurd
48= Yurok Indian
49= Brethryn
50= Agnostic
51= Armenian Orthodox
52= Born Again Christian

APPENDIX D

Question: B-17 a b c

ALLERGIES

001= Dust, Specified /NOS/ Coal/Cedar Dust
002= Medications/Anesthetic/Topical Medicines/Immunizations/Tiatium
003= Pollen/Hayfever/Grasses/Flowering Blossoms, Ragweed/Weeds/Spores/
Trees/Plants/Hay/Moss
004=
005= Pets, Animals, Feathers/Oils from Animal Fur/Feathers
006=
007= Foods
008= Mold/Yeast/Mildew
009=
010= Poison Ivy/Oak/Sumac/Juniper
011=
012= Wheat/Gluten/Wheat Dust
013=
014=
015= Smoke/Cigarette Smoke/Tobacco
016= Wool
017=
018= Pesticide/Insecticide (Fruit Tree) (Malathion)
019= DO NOT USE - Use Code 001 [Coal Dust]
020= Cleaning Agents/Soaps/Detergents
021= Stain/Paint/Inks/Dye
022= Oils (Including Motor Oils)
023= DO NOT USE - Use Code 021 [Inks]
024= Insect Stings or Bites
025= Perfume/Deodorants/Creams/Shaving Lotion
026= DO NOT USE - Use Code 008 [Yeast]
027= Adhesive Tape
028= DO NOT USE - Use Code 015 [Tobacco]
029= Alcohol (Drink)/Malt in Beer
030= Benzone (Benzoin)
031= IV Contrast Dye/Iodine Contrast
032= Metal
033= DO NOT USE - Use Code 020 [Soaps, Detergents]
034= Fabrics - NOS /Carpets
035= Sulfur (Non-Medicinal)/Sulfur Dioxide
036= Formaldehyde
037= Allergy - NOS
038= Diesel Fumes
039= Chemicals, Selected - NOS
040= Lint
041= Pillows - NOS
042= Sun
043= Hops
044= Smog/Pollutants
045= Heat

APPENDIX D (Continued)

046= Cold Water/Weather
047= Preservatives/Flavor Enhancers/Coloring Additives
048= Marijuana
049= Kapok
050= Creosote
051= Oil Heat
052= Mercury
053= Welding Fumes
054= Epoxy/Adhesives/Mucilage
055= Cement/Cement Dust
056= Bacteria
057= Hair Stripping Chemicals
058= Grease, Dry
059= Lanolin
060= Cockroaches
061= Mohair
062= Fiberglass
063= Septra
064= Pyrethin
065= Chromate/Chromic Salt
066= Leather
067= Ammonia
068= Mattresses
069= Paba Sublock-out
070= Oat Dust
071= Dirt
072= Rubber
073= Humidity
074= Strong Odors
075= Silk
076= Textile Chemicals
077= Plasma
078= Carbon Tetrachloride
996= Uninterpretable

ATTACHMENT TO APPENDIX D

Question: B-17 a b c

ALLERGIES

THE FOLLOWING ALLERGY NAMES HAVE NO CODES IN APPENDIX "D" TO CORRESPOND WITH THE ADDITIONAL RESPONSES PROVIDED ON THE ADDITIONAL CARD:

AIR BLOWN STUFF
AIR CONDITIONING AIR
ALTERMARIA
ANIMAL DANDER
COTTON
DANDER
DOG DANDER
FUNGUS
HORMODENDERM
HORSE SERUM
KETONE
MOLD
OATS
ORIS ROOT
RAW EGG WHITES
RED WINE
TECTRACYCLINE

APPENDIX E

Questions: B27 a - f
B32 a - f
B38 a1 a2 a3 - f1 f2 f3
B80 a1 a2 - f1 f2

BODY SITES

00= Nose/Nostril
01= Head
02= Right Side of Head
03= Left Side of Head
04= Scalp
05= Forehead
06= Face/Facial Bones
07= Cheek (Side of Face) - NOS
08= Right Cheek (Side of Face)
09= Left Cheek (Side of Face)
10= Cheekbone
11= Right Cheekbone
12= Left Cheekbone
13= Eye - NOS
14= Right Eye
15= Left Eye
16= Eyebrow - NOS
17= Right Eyebrow/Eyelid
18= Left Eyebrow/Eyelid
19= Ear - NOS
20= Right Ear
21= Left Ear
22= Lips
23= Upper Lip
24= Lower Lip
25= Chin, Under Chin
26= Neck - NOS
27= Back of Neck
28= Shoulder - NOS
29= Right Shoulder
30= Left Shoulder
31= Shoulder Blade Left/Right
32= Chest
33= Right Side Chest
34= Left Side Chest
35= Breast - NOS
36= Right Breast
37= Left Breast
38= Lung - NOS
39= Right Lung
40= Left Lung
41= Sternum (Breast Bone)
42= Ribs (Rib Cage)
43= Right Rib Cage (Ribs)
44= Left Rib Cage (Ribs)

APPENDIX E (Continued)

45= Back - NOS/Right Side, Left Side
 46= Upper Back
 47= Lower Back, Lumbar Area -- Lower Vertebra/Lower Spine
 48= Spine/Spinal Cord
 49= Thoracic Spine
 50= Cervical Spine
 51= Vertebrae
 52= Disc
 53= Arm - NOS
 54= Right Arm
 55= Left Arm
 56= Upper Arm - NOS/Bicep
 57= Right Upper Arm/Bicep
 58= Left Upper Arm/Bicep
 59= Forearm - NOS
 60= Right Forearm
 61= Left Forearm
 62= Elbow - NOS (Includes Opposite Side)
 63= Right Elbow
 64= Left Elbow
 65= Wrist - NOS
 66= Right Wrist
 67= Left Wrist
 68= Hand/Back/Palm - NOS
 69= Right Hand/Back/Palm
 70= Left Hand/Back/Palm
 71=
 72=
 73=
 74=
 75=
 76=
 77= Thumb - NOS
 78= Right Thumb
 79= Left Thumb
 80= Forefinger - NOS
 81= Right Forefinger
 82= Left Forefinger
 83= Middle Finger - NOS
 84= Right Middle Finger
 85= Left Middle Finger
 86= Ring (Third) Finger - NOS
 87= Right Ring Finger
 88= Left Ring Finger
 89= Little Finger - NOS
 90= Right Little Finger
 91= Left Little Finger
 92= Stomach
 93= Groin - NOS
 94= Right Groin
 95= Left Groin
 96= Thigh (Upper Leg) - NOS

APPENDIX E (Continued)

AA= Right Thigh
 AB= Left Thigh
 AC= Hip - NOS
 AD= Right Hip
 AE= Left Hip
 AF= Leg - NOS
 AG= Right Leg
 AH= Left Leg
 AI= Buttocks - NOS
 AJ= Right Buttock
 AK= Left Buttock
 AL= Knee - NOS
 AM= Right Knee
 AN= Left Knee
 AO= Calf (Lower Leg)/Shin
 AP= Right Calf/Shin/Tibia
 AQ= Left Calf/Shin/Tibia
 AR= Ankle - NOS
 AS= Right Ankle
 AT= Left Ankle
 AU= Foot - NOS
 AV= Right Foot/Heel
 AW= Left Foot/Heel
 AX= Toe - NOS
 AY= Big Toe - NOS
 AZ= Right Big Toe
 BA= Left Big Toe
 BB= Little Toe - NOS
 BC= Right Little Toe
 BD= Left Little Toe
 BE= Achilles Tendon - NOS
 BF= Left Achilles Tendon
 BG= Right Achilles Tendon
 BH= Left Hand - Middle Fingers
 BI= Left Finger(s)/Knuckles
 BJ= Right Finger(s)/Knuckles
 BK= Left Toe(s)
 BL= Right Toe(s)
 BM=
 BN=
 BO=
 BP= Abdomen/Right Side/Left Side
 BQ= Lower Abdomen
 BR= Upper Abdomen
 BS= Right Lower Abdomen
 BT= Left Lower Abdomen
 BU= Right Upper Abdomen
 BV= Left Upper Abdomen
 BW=
 BX= Testicle
 BY= Skull/Top of Head
 BZ= Cheeks (Both)

APPENDIX E (Continued)

CA= Eyes (Both)
 CB= Eyebrows (Both)
 CC= Ears (Both)
 CD= Shoulders (Both)
 CE= Breasts (Both)
 CF= Lungs (Both)
 CG= Arms (Both)
 CH= Elbows (Both)
 CI= Wrists (Both)
 CJ= Hands (Both)
 CK= Thighs (Both)
 CL= Hips (Both)
 CM= Legs (Both)
 CN= Knees (Both)
 CO= Calves/Shins (Both)
 CP= Ankles (Both)
 CQ= Feet - NOS/ (Both)
 CR= Bladder
 CS= Finger - NOS/Fingers - NOS
 CT= Jaw/Both Jaws
 CU= No Specific Body Part/All Over Body
 CV= Pelvis
 CW= Kidney
 CX= Left Collar Bone
 CY= Left Jaw
 CZ= Back of Head
 DA= Back Tooth
 DB= DO NOT USE - Use AW [Left Heel]
 DC= Throat
 DD= DO NOT USE
 DE= Under Arms (Both) or Either
 DF= Spleen
 DG= Knuckles - NOS
 DH= Clavicle (Collarbone)
 DI= DO NOT USE - Use Code BY [Top of Head]
 DJ= Teeth/Tooth
 DK= Right Jaw
 DL= Anus, Interior, Rectum
 DM= Upper/Lower Gums
 DN= Heart (Lower Aorta, Vena Cava), Heart - NOS
 DO= Appendix
 DP= Liver
 DQ= Nasal Passage
 DR=
 DS= Torso/Upper Body
 DT= Leg Bone (Left)
 DU= Internal (Pill Taken)
 DV= Urethra
 DW= Sinus Area
 DX= DO NOT USE - Use AQ [Left Tibia]
 DY= Palate
 DZ= Thyroid

APPENDIX E (Continued)

EA= Crotch
 EB= Bowel, Colon
 EC= Eardrum
 ED= Right Collarbone
 EE= Eye Socket
 EF= Uvula
 EG= Left Side - NOS
 EH= Prostate
 EI= Left Kidney
 EJ= DO NOT USE
 EK= Lower Intestine/Intestines
 EL= Pituitary Gland
 EM= Vocal Cord (Right, Left), Larynx
 EN= Gums, Mouth
 EO= Nose to Eustachian Tube
 EP= Tongue
 EQ= Esophagus
 ER= Trachea
 ES= DO NOT USE
 ET= Mouth
 EU= Diaphragm
 EV= Thymus
 EW= Left Temporal Side of Brain
 EX= Scrotum
 EY= Urinary Tract
 EZ= DO NOT USE - Use Code 56 [Bicep]
 FA= Penis
 FB= Right Side - NOS
 FC= Gall Bladder
 FD= Brain
 FE= Metacarpal
 FF= Between Kidney and Bladder
 FG= All Over Front of Body
 FH= Tail Bone
 FI= Interal - NOS
 FJ= Right Kidney
 FK= Fingernail/Fingernails
 FL= Side - NOS
 FM= Pancreas
 FN= Waist, Right
 FO= Ganglion
 FP= Lower Torso
 FQ= Vena Cava to Right Kidney
 FR= Bursa, Right
 FS= Nasopharynx
 ZZ= (QB38 a3 - f3, QB80 a2 - f2)

ATTACHMENT TO APPENDIX E

Questions: B27 a - f
 B32 a - f
B38 a1 a2 a3 - f1 f2 f3
 B80 a1 a2 - f1 f2

BODY SITES

THE FOLLOWING BODY SITE HAS NO CODE IN APPENDIX "E" TO CORRESPOND WITH THE
ADDITIONAL RESPONSE PROVIDED ON THE ADDITIONAL CARD:

THE BODY

APPENDIX F

Question: B33 a - f

IMPLANTS

Do not count fillings, crowns, or bridges in mouth but do count if they use "implant" to refer to dental work.

- 01= Pacemaker
- 02= Artery or Vein Graft, Plastic Artery
- 03= Silicone Implant
- 04= Plastic Arterio-Venous (AV) By-Pass Shunt/Valve/Infuse Support
(Catheter)/Vascular Access Device/Porta Catheter/Hickman Catheter/
Metport/Kemport/Sub-Clavicle Port/Grossman Catheter
- 05= Plastic or Metal Heart Valve NOTE: Pig Valve is Not Metal or Plastic
- 06= Bones for Middle Ear, Artificial/Rebuilt Eardrum
- 07= Wire Truss/Wire
- 08= Plastic Adhered to Bone Structure
- 09= Drainage Tube/Tube
- 10= Surgical Clip
- 11= Disc Replacement, Bone and Plastic
- 12= DO NOT USE - Use Code 07
- 13= Steel, Metal, Rods, Post, Pin
- 14= Metal Clamps/Markers
- 15= DO NOT USE - Use Code 04
- 16= Plastic Tube/Teflon Piece or Coating/Plastic Piece/Mesh Sheet/
Acrylic Plate/Foam-Like Substance/Plastic Diaphragm
- 17= Platinum Screw/Gold
- 18= DO NOT USE - Use Code 06 [Replica of Inner Ear]
- 19= DO NOT USE - Use Code 04 [Hickman Catheter]
- 20= Dental Implant
- 21= Interocular Lens/Cataract Implant
- 22= Titanium
- 23= Packing
- 24= Screen/Nylon Mesh
- 25= Prosthesis
- 26= DO NOT USE
- 27= Chemo Reservoir/Omiya Reservoir
- 28= Button
- 29= Metal - NOS
- 30= Steel Plate
- 31= DO NOT USE - Use Code 02 [Plastic Artery]
- 32= Graphex - Bone Graft
- 33= Staples
- 34= Acucerts
- 35= Herrington Rods (For Supporting Spine)
- 36= Mandible, Artificial
- 37= Penile Implant
- 38= Eye, Plastic/Artificial
- 39= Ligament or Cartilage, Artificial/Plastic

APPENDIX F (Continued)

- 40= Steel, Stainless, Tags or Tapes to Take Samples for Hodgkins Disease
- 41= Greenfield Filter
- 42= Porta-Cast
- 43= Bone Piece, Plastic or Metal
- 44= Fiberglass Skull Covering
- 45= Stainless Steel
- 46= Full Hip
- 47= Plastic Cup to Hold Eye in Place

APPENDIX G

Question: B39 a1 a2 a3 - f1 f2 f3

TYPE OF INJURY

- 01= Break/Crack/Fracture/Chip/Splinter
- 02= Bruise/Contusion/Bump/Hematoma
- 03= Burn/Flash Burn
- 04= Concussion
- 05= Crushed/Smashed/Squeezed in Machine
- 06= Cut/Split/Laceration/Puncture/Stab/Hole/Perforation/Fistula/Burst/
Rupture/Ucleration
- 07= Dislocation/Separation/Popped Out/Jammed
- 08= Foreign Objects Lodged in Body (Glass, Slivers, Sticks, Schrapnel)
- 09= Gunshot/Air Rifle Pellet/Grenade
- 10= Hernia/Double Inguinal
- 11= Disc, Ruptured, Slipped/Disc Problems/Strained/Herniated/Bruised
- 12=
- 13= Sprain/Strain/Whiplash/Pulled/Twisted (Muscle, Ligament, Tendon,
Cartilage Tissue), Muscle Spasm, Tendonitis
- 14=
- 15=
- 16= Torn/Damaged/Ruptured/Cut (Muscle, Ligament, Tendon, Cartilage,
Tissue, Medial Cartilage)/Upper Lateral Release
- 17= Wound - NOS
- 18=
- 19=
- 20= Skin - Scrape/Abrasion/Skinned to the Bone/Grinder Burn
- 21= Severed Body Part
- 22=
- 23=
- 24= Vertabra, Vertabrae, Crushed/Damaged, Compression Fracture/Spine Bones
Worn Down
- 25=
- 26= Lung, Collapsed/Spontaneous Pneumothorax
- 27=
- 28= Blood, Bleeding, Hemorrhage/Broken Blood Vessels, Severed Artery
- 29= Toenail, Fingernail Injury
- 30=
- 31=
- 32=
- 33=
- 34= Teeth, Lost
- 35=
- 36= DO NOT USE - Use Code 02
- 37= Gassed/Inhalation of Toxic Smoke/Chlorine Inhalation
- 38= DO NOT USE - Use Code 06
- 39= Shell Blast
- 40= Sciatica
- 41= Joints, Swollen/Water on Knee/Inflamed Joint
- 42= Chemical Burn/Acid Spray/Chemical Exposure

APPENDIX G (Continued)

43= R Homonymous Hemianopsia
 44= Blow/Hit
 45= Trauma
 46= Bone Damage
 47= DO NOT USE
 48= DO NOT USE
 49= Nerve Damage/Injury/Neuroma/Pinched Nerve, Slipped Nerve
 50= Pain
 51= Muscle, Part, Torn Out, Destroyed
 52= DO NOT USE - Use Code 28 [Severed Blood Vessels]
 53= Bite, Animal/Human/Snake/Jellyfish/Cat Scratch
 54= Frostbite
 55= Injuries, Multiple (See Card)
 56= Injury - NOS
 57= Explosion - Amputation
 58= Swollen
 59= Cuts and Bruises, Both
 60= Sunburn
 61= Irritation/Inflammation
 62= Bee Sting/Scorpion Bite
 63= Cadmium Poisoning
 64= Teeth, Loosened/Detached from Nerves
 65= Electric Shock/Struck by Lightning
 66= Eardrum Damaged
 67= Carpal Tunnel Syndrome
 68= Retina, Detached/Partially Detached/Scratched/Shattered/
 Lens Scraped Off Eye
 69= Lost Consciousness
 70= DO NOT USE - Use Code 06 [Lacerated]
 71= Weakened by Previous Injury
 72= Paralysis
 73= Bone Spur
 74= Locktoma
 75= Swallowed False Teeth
 ZZ= (QB39 a3 - f3)

ATTACHMENT TO APPENDIX G

Question: B39 a1 a2 a3 - f1 f2 f3

TYPE OF INJURY

THE FOLLOWING TYPES OF INJURIES HAVE NO CODES IN APPENDIX "G" TO CORRESPOND WITH THE ADDITIONAL RESPONSES PROVIDED ON THE ADDITIONAL CARD:

EYE, DAMAGED PUPIL
NERVES, STRAINED
TEETH, SHATTERED, FORCED UPWARD
WOUND, SHOTGUN

APPENDIX H

Questions: B45 a - f
B118 a1 - d1 AND a2 - d2
B124 a1 a2 - f1 f2

CANCER

If respondent has given both type and site, in the case of skin cancer,
use appropriate skin cancer code. DO NOT CODE SITE.

0001= Skin Cancer - NOS
0002= Eye
0003= Leukemia/Blood Cancer
0004= Cervical/Cervix
0005= Prostrate
0006= Breast, Right Left, Both
0007= Ears
0008= Large Intestine/Intestine
0009= Upper Sternum
0010= Lips/Lip
0011= Leg
0012= Liver
0013= Stomach
0014= Colon
0015= Head
0016= Tongue
0017= Throat
0018= Lung
0019= Bones/Bone Marrow
0020=
0021= Ovarian
0022=
0023= Female Organs
0024= Lymph Nodes
0025= Uterus - NOS
0026= Neuroblastoma
0027= Squamous Cell
0028= Brain Tumor, Cerebellum/Brain
0029= Chest
0030= Face
0031= Lymphoma
0032= Skin Cancer, Squamous Cell
0033= Skin Cancer. Basal Cell
0034= Esophagus
0035= Tongue and Throat
0036= Hodgkins Disease
0037= Bladder
0038= Endometrium
0039= Pelvic

APPENDIX H (Continued)

0040= Kidneys
 0041= Muscle on Breastbone
 0042= Nose
 0043= Melanoma
 0044= Osteogenic Sarcoma
 0045= Throat, Neck, Base of Brain Area
 0046= Heart
 0047= Bowels
 0048= Left Scapula (Shoulder)
 0049= Schwannoma
 0050= Pancreas
 0051= Pituitary Gland
 0052= Gall Bladder
 0053= Thyroid
 0054= Abdomen
 0055= Jaw
 0056= Muscle Tissue - NOS
 0057= DO NOT USE
 0058= Lower Spine/Back-Spine/Sacrum
 0059= Fibro Sarcoma/Sarcoma/Neurofibrosarcoma
 0060= Penis
 0061= Vaginal Cancer
 0062= Rectal
 0063= Lump on Back, Arm
 0064= Cartilage Cancer
 0065= Back
 0066= Leukoplakia
 0067= Larynx
 0068= Neck Gland
 0069= AIDS
 0070= Kaposis
 0071= Foot
 0072= Whole Body
 0073= Adenodal Carcinoma/Adenocarcinoma
 0074= Cancerous Mole (Not Melanoma)
 0075= Thymus
 0076= Goiter
 0077= Growth - NOS
 0078= DO NOT USE
 0079= Myeloma, Multiple Myeloma
 0080= Duodenum
 0081=
 0082= Shoulder Joints/Left or Right
 0083= Rare Type of Blood Cancer
 0084= Testicular Seminoma, Testicle
 0085= Sinus
 0086= DO NOT USE - Use Code 0079 [Multiple Myeloma]
 0087= Urinary Tract
 0088= Groin
 0089= From Left of Groin to Shoulder

APPENDIX H (Continued)

0090= Oat Cell Carcinoma
0091= Internal Organs
0092= Uvula
0093= Oral Cancer (Cheek and Jaw)
0094= Armpit, Either or Both
0095= Nasopharynx
0096= Thymona
0097= Appendix
0098= Center of Body - NOS
0099= Mouth
0100= Bronchial Tubes
0101= Toe/Leg
0102= Histiocytosis-X
0103= Glioblastoma
0104= Carcinoma of the Hip
0105= Peritonal Gland
0106= Shoulder, Right
0107= Malignant Polyps
0108= Squamous Cell Sarcoma
0109= Throat-Ear Area
0110= Spleen
0111= Carcinoma Meningitis
0112= Fatty Tumor
0113= Wilm's Tumor
0114= Mesothelioma
0115= Waldenstrom's Macroglobulinemic
0116= Polycythemia Vera
0117= Leiomyosarcoma
0118= Carcinoma of the Salivary Glands
ZZZZ= (QB124 a2 - f2)

ATTACHMENT TO APPENDIX H

Questions: QB45A - QB45F
QB118A1 - QB118D1 and QB118A2 - QB118D2
QB124A1 - QB124F1 and QB124A2 - QB124F2

CANCER

THE FOLLOWING CANCER SITES HAVE NO CODES IN APPENDIX "H" TO CORRESPOND WITH
THE ADDITIONAL RESPONSES PROVIDED ON THE ADDITIONAL CARD:

CHEEK
KNEE
LEFT ANKLE

APPENDIX I

Question: B48 a1 a2 a3 - f1 f2 f3

CHEMOTHERAPY DRUGS

- 001= B-48 Mechlorethamine (Mustyargen, Nitrogen Mustard, HN₂)
- 002= MOPP
- 003= Cyclophosphamide (Cytoxan, Endoxan)
- 004= Phenylalanine Mustard (Melphalan, Alkeran, L-PAM)
- 005= Chlorambucil (Leukeran)
- 006= Triethylenethiophosphoramide (Thio-TEPA)
- 007= Busulfan (Myleran)
- 008= CCNU (Cyclohexyl-Chloroethyl Nitrosourea, Lomustine, CeeNU)
- 009= BCNU (Bischloroethyl Nitrosourea, Carmustine, BiCNU)
- 010= DTIC (Dimethyl Triazeno Imidazole Carboxamide, Dacarbazine)
- 011= Methotrexate (Amethopterin, MTX)
- 012= 5-Fluorouracil (5-FU, Fluorouracil)
- 013= Cytosine Arabinoside (Cytarabine, Ara-C, Cytosar)
- 014= 6-Mercaptopurine (6-MP, Pruinethol)
- 015= 6-Thioguanine (6-TG, Thioguanine)
- 016= Vinblastine (VLB, Velban)
- 017= Vincristine (VCR, Oncovin)
- 018= Doxorubicin (Adriamycin)
- 019= Daunorubicin (Daunomycin)
- 020= Bleomycin (Blenoxane)
- 021= Dactinomycin (Actinomycin-D, Cosmegen)
- 022= Mithramycin (Mithracin)
- 023= Mitomycin-C (Mutamycin)
- 024= L-Asparaginase (Elspar)
- 025= DDP, Cisplatin, Platinol
- 026= Hydroxyurea (Hydrea)
- 027= Procarbazine (Matulane)
- 028= CHOP
- 029= Prednisone
- 030= Citrovorum Factor
- 031= Red and White Pills
- 032= Nitrogen, Liquid
- 033= DO NOT USE [Pekosett]
- 034= Steriods
- 035= Liquid Form for Bladder
- 036= Bencheistine
- 037= Silver Nitrate
- 038= Acid
- 039= Frezone
- 040= Selenic Acid
- 041= Platinum
- 042= Comp-Blend
- 043= Percet
- 044= Tagament
- ZZZ= (QB48 a3 - f3) 4 or more drugs listed. Additional responses coded on paper.

ATTACHMENT TO APPENDIX I

Question: B48 a1 a2 a3 - f1 f2 fe

CHEMOTHERAPY DRUGS

THE FOLLOWING CHEMOTHERAPY DRUG NAME HAS NO CODE IN APPENDIX "I" TO CORRESPOND WITH THE ADDITIONAL RESPONSE PROVIDED ON THE ADDITIONAL CARD:

MS (MORPHINE SULFATE)

APPENDIX J

Question: B51 e1

ORGANS TRANSPLANTED

01= Larynx
02= Bone Marrow
ZZ= (QB51 e1)

APPENDIX K

Question: B53 a b c

DRUGS - IMMUNE SYSTEM

001= Imuran
002= Cyclosporin
003= Prednisone
004= Steroids
005= Cortisone
006= Demerol
007= Ceflex
008= Cyclostorin - Sandimmune
009= Horse Serum

APPENDIX L

Question: B55

IMMUNODEFICIENCY

- 01= Common Varied Immunodeficiency
- 02= Severe Combined Immunodeficiency
- 03= Swiss-Type Agammaglobulinemia
- 04= T-cell Immunodeficiency
- 05= AIDS - (Acquired Immune Deficiency Syndrome)
- 06= DiGeorge's Syndrome
- 07= Nezelof's Syndrome
- 08= Ataxia Telangiectasia
- 09= X-linked Agammaglobulinemia
- 10= Isolated Deficiency of IgA
- 11= X-linked Immunodeficiency w/Elevated IgM
- 12= Isolated Deficiency of IgM
- 13= Wiskott-Aldrich Syndrome
- 14= Lupus
- 15= Depressed Immune System Due to Chemotherapy
- 16=
- 17= Depressed Immune System Due to Radiation Therapy
- 18= Lymphoma/Hodgkins
- 19= Depressed Immune System Due to Illness
- 20= Compromised/Run-Down Immune System
- 21= Iritis
- 22= AIDS, Possible/Probable
- 23= Allergy, Allergic Reaction to Medicine
- 24= Red Corpuscle Deficiency
- 25= Riteis Syndrome
- 26= Gamma Globulin E Count Low/Gamma Globulin Anemia
- 27= AILDS (Angio Immunoblastic Lymphaclenopathy Dysproteinemia Syndrome)
- 28= Rheumatoid Arthritis
- 29= Medication Causing Low White Blood Count
- 30= Emphysema
- 31= Pneumocystic Pneumonia
- 32= ARC (Aids Related Condition)/Probable ARC
- 33= Platelet Deficiency
- 34= Diet, Poor, Causing Unspecified Problem
- 35= Anemia/Thel's Anemia/Auto Immune Hemolytic Anemia/Cyroglobulin Anemia
- 36= White Cells, Too Many
- 37= Crohn's Disease
- 38= Lymph Node Problem/Gland Problem
- 39= White Count Low Due to Chemical Exposure
- 40= Red and White Cells, Killing of
- 41= Chronic Hepatitis
- 42= Myositis Polycolegan
- 43= Kaposi Sarcoma
- 44= IPP
- 45= Cardiac Infarct
- 46= Cancer/Melanoma

APPENDIX L (Continued)

- 47= Leukemia
- 48= Immunoblastic Lymphonic Metastatic
- 49= HIV Test Positive/HTLV3 Test Positive
- 50= DO NOT USE - Use Code 49 [HTLV3 Test Positive]
- 51= Lymphoemphyloma
- 52= Spleen Removed Causing Immunodeficiency/Spleen Trouble
- 53= White Blood Cell Count Deficiency
- 54= Central Nervous System Disease
- 55= Colligents Tissue Disease
- 56= Bone Marrow Deficiency/Granulocytosis of the Bone Marrow
- 57= DO NOT USE - Use Code 35
- 58= Pulmonary Scridosis
- 59= Mediterranean Blood Disease
- 60= Penniculitis
- 61= Histoplasmosis
- 62= Purpura
- 63= Calcium Deficiency
- 64= Shingles
- 65= Steroid Use, Causing Low Tolerance
- 66= Alcoholism, Defect Due to
- 67= Encephalitis
- 68= Idiopathic T.P. (ITP)
- 69= Amyloidosis
- 70= Diabetes
- 71= Immunosuppressive for Transplant/Secondary to Bone Marrow Transplant
- 72= Waldenstrom's Macroglobulinemic
- 73= Leukemia and Alpha One Anti-Trysin Deficiency
- 74= HLAB27 Blood Factor
- 75= Biliary Cirrhosis

APPENDIX M

Question: B64 a b c

BLOOD PRODUCTS

- 01= Red Cells, Packed Red Cells
- 02= Plasma
- 03= Plasma, Fresh Frozen
- 04= Factor VIII Concentrate
- 05= Cryoprecipitate
- 06= Platelets/Thrombocytes
- 07= Prothrombin
- 08= Plasma Protein Derivative/Fraction
- 09= Albumin, Human
- 10= Blood, Whole
- 11= DO NOT USE - [Heparin]
- 12= Clotting Agents
- 13= White Blood Cells
- 14= Irradiated PAC Cells
- 15= DO NOT USE
- 16= DO NOT USE
- 17= Factor 9
- 18= DO NOT USE - [Anti Coagulant]
- 19= DO NOT USE - [Wafirim]
- 20= Cells, Washed
- 21= Plaibast
- 22= Blood Pkts
- 23= Gamma Globulin
- 24= To Counteract Chemotherapy Drugs
- 25= Hemoglobin
- 26= Serum
- 27= Transfer Factor
- 28= Plasma Phoresis
- 29= Plasmanate

APPENDIX N

Question: B73 A-2

OTHER NOSE PROBLEMS

- 01= Sores/Fever Blisters
- 02= Broken
- 03= Deviated Septum
- 04= Adenoids
- 05= Submucous Resection and Bilateral (Tubenectomy)/Nasal Reconstruction/
Septoplasty/Cartilage and Calcium Deposits Removed
- 06= Breathing Problems/Too Small a Hole in Nose
- 07= Sinus Problems/Sinus Infections
- 08= Bleeding
- 09= Allergies
- 10= Bone Out of Place/Bone Spur Removed
- 11= Drainage Problems/Postnasal Drip
- 12= Cocaine Complications in Nose
- 13= Wart/Growth
- 14= Frequent Runny Nose
- 15= Cancer
- 16= Swelling
- 17= Adhesions
- 18= Infections - NOS/Staph Infection
- 19= Surgery - NOS
- 20= Enlarged Cartilage
- 21= Blockage - NOS
- 22= Vein Too Close to Surface
- 23= Congestion - NOS
- 24= No Sense of Smell
- 25= Septum Removed
- 26= DO NOT USE - Use Code 022
- 27= Crooked Nose
- 28= Mole Removed
- 29= Nasopharynx Problem - NOS
- 30= Shingles
- 31= Pimples Inside Nose
- 32= Tumor
- 33= Had it Removed
- 34= Irritation, Secretion and Swelling
- 35= Burst Vein in Nose
- 36= Sleep Apnea
- 37= Allergic Rhinitis
- 38= Soft Lining of Nose is Dry
- 39= Nearly Broken
- 40= Cyst Removed
- 41= Herpes
- 42= Deformation of Canal Between Nose, Throat, and Ear
- ZZ= (QB73 A2)

APPENDIX O

Question: B79 a - f
Other Specify

REASON FOR RADIATION

- 07= Ingrown Toenail
- 08= Keloid
- 09= Papilloma
- 10= Spider Bite
- 11= Earaches/Ear Tube Blockage, Eustacian Tube Blockage
- 12= Acne
- 13= Poison Ivy
- 14= Tumor
- 15= Ulcer
- 16= Planters' Wart/Warts
- 17= Enlarged Pituitary Gland
- 18= Nose Problem
- 19= Lymph Node
- 20= Fungus/Ringworm
- 21= DO NOT USE
- 22= Rash/Blotches/Redness
- 23= Psoriasis
- 24= DO NOT USE - [Bone Cancer]
- 25= Pneumo-cystis
- 26= Adenoids/Swollen Adenoids
- 27= Angina
- 28= Hernia
- 29= Swollen Glands/Tubercular Gland
- 30= To Treat a Cyst
- 31= Strep Throat/Sore Throat
- 32= Injury - NOS
- 33= Skin Infection
- 34= Lymphoma
- 35= Sinus Condition
- 36= Growth or Fungus on Ankle
- 37= Healing Problem, Neck and Ear
- 38= Bursitis
- 39= Goiter
- 40= Growth on Eye
- 41= Growth on Top of Head
- 42= Allergies
- 43= Colds
- 44= Eczema
- 45= Lung Problem
- 46= Chest Pain
- 47= Mastoids
- 48= Open Sore
- 49= Blood Disease
- 50= Growth in Chest

APPENDIX P

Question: B84 a - d
Other Specify

CONDITIONS FOR REGULAR INJECTIONS

- 07= Bursitus
- 08= Pneumonia/Pneumocystic Pneumonia
- 09= Growth Problems
- 10= Rheumatoid Arthritis
- 11= Staph Infections
- 12= VD
- 13= Poison Ivy
- 14= Skin Condition, Acne/Skin Fungus/Psoriasis
- 15= Sinus Infection/Problem
- 16= Undescended Testicle
- 17= Acute Glomerular Nephritis/Nephritis
- 18= Arthritis
- 19= Glandular/Hormonal Problem
- 20= Alcoholism
- 21= TB
- 22= Lichen Planus
- 23= Underactive Thyroid/Thyroid Trouble
- 24= Blood Poisoning
- 25= "Run-down" Condition
- 26= Rheumatic Fever
- 27= Cold
- 28= Osteomyelitis
- 29= DO NOT USE
- 30= For Nerves, Mental Problem
- 31= Epilepsy/Seizures
- 32= Kidney Condition/Bright's Disease
- 33= Glaucoma
- 34= Polymiosyne
- 35= Throat Problem
- 36= Keloid
- 37= Amputation
- 38= Stevens-Johnson Syndrome
- 39= Kron's
- 40= Bronchitis
- 41= Kapossi Sarcoma
- 42= Hepatatis
- 43= Headaches
- 44= Polio
- 45= Cancer
- 46= Eczema
- 47= Cat Bite
- 48= Flu
- 49= Palindromic Rheumatism
- 50= Pain
- 51= Underactive Pituitary

APPENDIX P (Continued)

52= Gout
53= Chronic Prostatitis
54= Gonorrhea
55= Tendonitis
56= Swollen Knuckles
57= Knee Injury
58= Secondary Syphilis
59= Hand Injury
60= DO NOT USE
61= Multiple Sclerosis
62= Tonsils
63= Mononucleosis
64= Cleft Lip
65= Ear Infection
66= Weakened Back/Back Injury
67= Pulmonary Problem
68= Joint Problems
69= Ruptured Appendix
70= Impotency
71= Calcium Deposits in Joints
72= Rabies
73= Weight Loss
74= Hair Follicle Infection
75= AIDS
76= Leg and Shoulder Problems/Shoulder Injury
77= Hemophilia
78= Meningitis
79= Water on the Knee
80= Retinitis

APPENDIX Q

Question: B85 a1 a2 - d1 d2

MEDICATIONS - INJECTIONS

001= Insulin
002= Cortisone/Kenalog/Steroids/Hydro Tetracortisone
003= Hormone
004= Penicillin
005= Adrenalin Related
006= Allergy Shots
007= Gold Sulfur
008= Humulin
009= Prednisone
010= Theodorm
011= Celestone
012= Antibiotics
013= Aminophyllin
014= Tetracycline
015=
016= Iron and Liver Shots
017= Combination of Drugs Including Cortizone
018= Antigen/Allergen
019= B-12/Vitamin B
020= Gold Injections
021= Streptomycin
022= PAS (Paris Acid)
023= Methotrexate
024= Sulpha Drugs
025= Autogenous Vaccine
026= Hemoglobin
027= MIRV
028= Protein Extracts/Protein
029= Testosterone
030= APL
031= DO NOT USE - Use Code 006 [Molds]
032= DO NOT USE
033= Calcium
034= Vitamins - NOS
035= DO NOT USE
036= Demerol
037= Depomendrol
038= Diabenese
039= Pentamidine
040= Valium
041= Histamine
042= Byeillin
043= Butozolidrine
044= Anti-Bee Serum
045= Rabies shots
046= Flu shots

APPENDIX Q (Continued)

047= ATCH
 048= Pain Shots
 049= L-Esparaginesb
 050= Antihistimine
 051= Nasocrome
 052= Prolixin
 053= NPHA 100
 054= Aphedrin
 055= DO NOT USE - [Adrimyein]
 056= DO NOT USE - [Cytosin]
 057= Bees Wax
 058= Uric Acid
 059= Gammaglobulin
 060= Glucatorl
 061= Anti-inflamatant
 062= Anti-venom Medication
 063= Isoprin
 064= DO NOT USE - Use Code 001 [NPL]
 065= Annoclin
 066= AZT
 067= Alpha Interferon/Interferon
 068= Morphine
 069= Phenogrem
 070= Inferon
 071= Benadryl
 072= Decadurabolin
 073= Transfer Factor
 074= Enzyme
 075= Percoset Tablets
 076= Nu-Morphin
 077= Cryoprecipitate
 078= DO NOT USE
 079= Sodium Pentathol
 080= Asclovera
 995= Unclassifiable
 ZZZ= (QB85 a2 - d2)

APPENDIX R

Question: B89 A5a - D5a
Other Specify

BODY SITE INJECTION

If R answer is "Deltoid," recode to arms.

01= Shoulder and Knees
02= Shoulder
03= Knees, Either Knee
04= Nose
05= Hip
06= Shoulder, Knee, Wrist
07= Hand
08= Anus
09= Chest
10= Right Elbow, Left Elbow, Both Elbows
11= DO NOT USE
12= Eyes
13= Back
14= Ankle
15= Hands and Knees
16= Knees, Shoulders and Elbows
17= Leg
18= Scalp
19= Knuckles, Both Hands
20= Knee and Hip
ZZ= (QB89 A5a-D5a)

ATTACHMENT TO APPENDIX R

Question: B89 A5a - D5a
Other Specify

BODY SITE INJECTION

THE FOLLOWING BODY SITES OF INJECTION HAVE NO CODES IN APPENDIX "R" TO
CORRESPOND WITH THE ADDITIONAL RESPONSES PROVIDED ON THE ADDITIONAL CARD:

FOOT
NECK (JUGULAR)
TOE

APPENDIX S

Question: B95 a1

PRESCRIPTION FOR LOSING WEIGHT

01= Capsule - NOS/Pill - NOS
02= Thyroid Pills
03= Water Pills, Diuretics
04= Tenuate Pospan
05= Bi Amphetamine
06= Female Hormones/Urine from Pregnant Woman
07= Diet Pills - NOS
08= Fast-In/FAST (Name of Medication)
09= Escatral
10= Hydrochloridye
11= SEGO
12= Diethypropion
13= Phentemine
14= Uppers/Downers - Red, White, and Black
15= White Crosses
16= Appetite Depressant
17= Ionamin Resin
18= Targat
19= Preludrin
20= Black Beauties
21= Idemine
22= Biothalmule
23= Diet Supplement
24= Diazide
ZZ= (QB95 a1)

APPENDIX T

Question: B97 c1
Other Specify

DRUG TO LOWER CHOLESTEROL

01= Inderal
02= Sorbitrate
03= DO NOT USE - Use Code 10 [Low Pet]
04= Lecithen
05= DO NOT USE
06= Xiloprin
07= Triglycerides
08= Questron
09= LORELCO
10= LOPID 300/Low Pet
11= Beta Blocker
12= Omega 3
13= Macepa
14= EPA
15= Anhydrous Cholestyramine
16= Persantine
17= Mevacor
18= Athenorman
19= Niacin
20= Minipress
21= Gemfibrozil
22= Dextran-Sulfate
23= Fish Oil
24= Jello Capsule, Red, Prescription
25= Lovastahn
26= Cealcan
ZZ= (QB97 c1)

ATTACHMENT TO APPENDIX T

Question: B97 c1
Other Specify

DRUG TO LOWER CHOLESTEROL

THE FOLLOWING DRUGS HAVE NO CODES IN APPENDIX "T" TO CORRESPOND WITH THE
ADDITIONAL RESPONSES PROVIDED ON THE ADDITIONAL CARD:

METAMUERL
NICOTINIC ACID
PROVOSTATAN

APPENDIX U

Questions: B100 a - d AND B106 a - d

COLOR OF PILLS (MALARIA)

07= Injection/Shot
08= Liquid
09= Beige
10= White and Yellow
11= Dark Brown/Brown
12= Green, Dark Green
13= White and Orange
14= Purple
15= Pink and Yellow
16= White or Pink
17= Aqua
18= Light Brown and White
19= Yellow-Orange
20= Pink and Orange
21= Pink and White

APPENDIX V

Questions: B101 a - d
B107 a - d
Other Specify

MALARIA MEDICATION

- 07= Quinine/Derivative
- 08= Atabrine (Quinacrine)
- 09= NY Vaquin
- 10= Primaquine
- 11= Ganeh-Ganeh
- 12= Adipi
- 13= Metakelfine
- 14= Resithin
- 15= Kamokin
- 16= Amala
- 17= JAP-B
- 18=
- 19= Sulfa Drugs
- 20= Gamma Globulin
- 21= Diloxin
- 22= Resechine

APPENDIX W

Question: B115 E1

OTHER EPILEPSY DRUGS

01= Tegretol
02= Tridione
03= Mysoline
04= Valium
05= Seconal
06= Aymatriptalene
07= Librium
08= Catapress
09= Haldol
10= Antover
11= Lesthium
12= Carbanazepine
13= Steroids
14= Depekote
15= Celantin
ZZ= (QB115 E1)

ATTACHMENT TO APPENDIX W

Question: B115 E1

OTHER EPILEPSY DRUGS

THE FOLLOWING DRUGS HAVE NO CODES IN APPENDIX "W" TO CORRESPOND WITH THE
ADDITIONAL RESPONSES PROVIDED ON THE ADDITIONAL CARD:

CELONOPIN
DEPECAINE
DIURIL
HEXADROL
TOFRANIL OR TAFRANE
ZARANTOR

APPENDIX X

Question: C20 f - j

OTHER CROPS

- 01= Alfalfa
- 02= Artichokes
- 03= Barley
- 04= Beans, Navy
- 05= Broccoli
- 06= Cabbage
- 07= Cauliflower
- 08= Clover
- 09= Cotton
- 10= Cucumbers
- 11= Eggplant
- 12= Figs
- 13= Fruit - NOS/Fruit Trees - NOS
- 14= Grain
- 15= Grapes
- 16= Greens
- 17= Lespedeza
- 18= Melon
- 19= Oats
- 20= Olives
- 21= Peanuts
- 22= Peas
- 23= Peppers
- 24= DO NOT USE - Use Code 50
- 25= Plums (Prunes)
- 26= Potatoes (Not Sweet)
- 27= Radishes
- 28= Sprouts
- 29= Squash
- 30= Strawberries
- 31= Sweet Potatoes/Yams
- 32= Tobacco
- 33= Tomatoes
- 34= Vegetables - NOS
- 35= Watermelon
- 36= Beans, Pole, String
- 37= Crops
- 38= Flax
- 39= Peaches
- 40= Sugar Beets
- 41= Pinto Beans
- 42= Okra
- 43= Walnuts
- 44= Apricots
- 45= DO NOT USE - Use Code 22 [Peas]

APPENDIX X (Continued)

- 46= Lettuce
- 47= Bananas
- 48= Apples
- 49= Oranges
- 50= Trees (Evergreen) Timber/Pine
- 51= Pasture/Weisach/Grass/Feed Crops
- 52= Millet
- 53= Onions
- 54= Carrots
- 55= Filberts/Hazelnuts
- 56= Rye
- 57= Spinach
- 58= Yuca
- 59= Sugar Cane/Cane
- 60= Limes
- 61= Rice
- 62= Cocoa
- 63= DO NOT USE - Use Code 21 [Peanuts]
- 64= Avocado
- 65= Mangoes
- 66= Sunflowers
- 67= Cantaloupes
- 68= Pumpkins
- 69= Asparagus
- 70= Rhubarb
- 71= Beans, Castor
- 72= Legumes
- 73= Rutabagas/Turnips
- 74= Arum (Malanga)
- 75= Pears
- 76= Beets
- 77= Nectarines
- 78= Berries
- 79= Flowers (Cut)
- 80= Mint
- 81= Coconuts
- 82= Celery
- 83= Grapefruit
- 84= Lemons
- 85= Hemp
- 86= Coffee
- 87= Cherries
- 88= Papayas
- 89= Kale
- 90= Basil
- 91= Almonds
- 92= Bromegrass
- 93= Sod
- 94= Raspberries
- 95= Foxglove (Digitalis)

APPENDIX X (Continued)

96= Blackberries
 97= Refused
 98= Don't Know
 99= Not Ascertained
 AA= Sarappe
 AB= Plants, Ornamental Nursery Plants
 AC= Nut Trees
 AD= Hops
 AE= Vanilla
 AF= Orchards - NOS
 AG= DO NOT USE
 AH= Timothy
 AI= Tapioca
 AJ= Taro Root
 AK= DO NOT USE - USE Code 04
 AL= Garlic
 AM= Pecans
 AN= Choy Sum
 AO= Vetch
 AP= High Gear (Small Grain)
 AQ= Green Feed
 AR= Buckwheat
 AS= Root Stock
 AT= Bok Choy
 AU= Beans, Lima
 AV= Beans, Fava
 AW= Blueberries
 AX= DO NOT USE - USE Code 50
 AY= Dill
 AZ= Fruit, Citrus
 BA= Boysenberries
 BB= Beans, Field
 BC= Chicken Feed Bush
 BD= Endive
 BE= Beans, Soy
 BF= Peas, Black Eyed
 BG= Brussels Sprouts
 BH= Turnips
 BI= Plantain
 BJ= Sudan
 BK= Sage
 BL= Mushrooms
 BM= Pineapple
 BN= Muskmelons
 BO= Beans, Water
 BP= Sudex
 BQ= Chili
 BR= Got
 BS= Broom Corn
 BT= Straw
 BU= Cashews

ATTACHMENT TO APPENDIX X

Question: C20 f - j

OTHER CROPS

THE FOLLOWING CROP NAMES HAVE NO CODES IN APPENDIX "X" TO CORRESPOND WITH THE
ADDITIONAL RESPONSES PROVIDED ON THE ADDITIONAL CARD:

BLACK CAPS
CASABA
CORNSTARCH, SOMETHING TO MAKE
CURRANTS
GUAVAS
HONEY
KAHLRABI
MALANGA
MALANZAS
MAME
PARSNIPS
PEAPODS
SEDANGRASS
TREFOIL

APPENDIX Y

Questions: C25 / C33 / C43 / C53 / C63 / C73 / C82
(All Are a - e)

INSECTICIDES CODE LIST

	<u>Common Name</u>	<u>Trade Name</u>
001=	Aldrin	Aldrin
002=	Aldrin/Dieldrin	
003=	Arsenic - NOS	Molasses Bran, Poison Bran
004=	Azinphosmethyl	Guthion
005=	Baytex	Tiguvon, Fenthion
006=	Bufencarb	Bux
007=	Calcium Arsenate	Calcium Arsenate
008=	Carbaryl	Sevin
009=	Carbofuran	Furadan
010=	Carbophenothion	Trithion
011=	Cattle Dip - NOS	
012=	Chlordane	Chlordane
013=	Chlordane/Phorate/Carbaryl	Chlordane/Thimet/Sevin
014=	Chlorinated Hydrocarbon - NOS	
015=	Chlorpyrifos	Dursban
016=	Copper Oxychloride	Cop Tox
017=	Coumaphos	CO-RAL
018=	Creosote	Carbolinium Anthracene Oil
019=	Crotoxyphos	Ciodrin, Rubn Dust
020=	Crufomate	Rulene, Repelx
021=	Cyhexatin	Plictran
022=	DDT	DDT
023=	DDT/Diesel Fuel	
024=	DDT/Lindane	DDT/BHC
025=	Delicer/Toxaphene	
026=	Demeton	Systox
027=	Diazinon	Diazinon, Spectracide
028=	Diazinon/Methoxychlor	Alpha-Tox
029=	Dichlorvos (DDVP)	Vapona, Vaperon, Vapotone, B-50, Fly Blocks
030=	Dieldrin	Dieldrin
031=	Dieldrin/Sevin	Dieldrin/Carbaryl
032=	Dimethoate	Cygon
033=	Dimetilan	Dimetilan, SNIP
034=	Dioxathion	Delnav
035=	Disulfoton	Di-Syston, Scope
036=	EPN	EPN
037=	Endosulfan	Thiodan
038=	Endrin	Endrin
039=	Ethoprop	Mocap
040=	Famphur	Warbex or Warbags, Bo-Ana
041=	Fensulfotion	Dansanit
042=	Fenthion	Baytex, Entex

APPENDIX Y (Continued)

<u>Common Name</u>	<u>Trade Name</u>
043= Fly, Lice or Tick Powder	
044= Fly, Lice or Tick Spray (Includes Dairy Spray and Flit)/Tick and Mite Spray	
045= Fly, Lice or Tick Treatment - NOS (Includes Flytox and Delicer)	
046= Fonofos	Dyfonate
047= Heptachlor	Heptachlor
048= Hog Dip - NOS	
049= Insecticide - NOS (Formulation Unknown)	
050= Insecticide - NOS (Liquid or Spray)	
051= Insecticide - NOS (Solid Powder or Dust)	
052= Lead Arsenate	
053= Lindane	Lindane, BHC
054= London Purple	
055= Lorsban, Chlorpyrifos	Lorsban
056= Malathion	Malathion
057= Malathion/Cygon	Malathion/Dimethoate
058= Malathion/DDT	
059= Malathion/Korlan	Malathion/Ronnel
060= Methidatnion	Supracide
061= Methomyl	Lannate
062= Methoxychlor	Methoxychlor, Marlata
063= Methoxychlor and Copper Oxychloride	Marlata/Cop Tox
064= Methyl Parathion	Methyl Parathion
065= Mevinphos	Phosdrin
066= Naled	Dibrom
067= Nesemate	Nematocide
068= Nicotine (Based Spray for Poultry)	Black Leaf 40
069= Organophosphate - NOS	Organophosphate - NOS
070= Ortho 5353	Bux-Ten
071= Parathion	Parathion, AG, Stathion, Niran
072= Paris Green	Copper Acetoarsenite
073= Permethrin	Pounce, Ambush, Perthrine
074= Petroleum Oil, Diesel Oil	Pine Tar
075= Phenothiazine	Thiodiphenylamine
076= Phorate	Thimet
077= Phosmet	Imidan, Prolate
078= Phosphamidon	Dimecron
079= Propoxur	Baygon
080= Pyrethrins	Pyrethrins
081= Ronnel	Ronnel, Korlan, Trolene
082= Rotenone	Rotenone, Cube, Derris
083= Sevin/Parathion	Carbaryl/Parathion
084= Sheep Dip - NOS	
085= Sodium Fluorosilicate	Safsan
086= Sulfur	Brimstone

APPENDIX Y (Continued)

	<u>Common Name</u>	<u>Trade Name</u>
087=	Temik	Aldicarb
088=	TDE (DDD)	Rhothane
089=	Tetrachlorvinphos	Rabon, Garbona
090=	Torbufus	Counter, Counter 156
091=	Toxaphene	Toxaphene, TOX, POX, Betox
092=	Toxaphene/Lindane	Lentox
093=	Trichlorfon	Dipterex, Dylox, Neguvon
094=	Sulfur Derivative (Sulfur)	
095=	Flea Spray - NOS	
096=	Insecticide/Potato Beetle/Bug	
097=	Taps	
098=	Deuter	
099=	Merix	
100=	Cotton Bug Spray/Something For Bollweevils/Dusting for Cotton	
101=	Lice Insecticide	
102=	Barn Spray - NOS	
103=	Sulfoslate	
104=	Benzene Hexachloride	
105=	Pydrin	
106=	Tobacco Worms/Bugs Insecticide	
107=	Creolina	
108=	Sheep, Something Used On	
109=	Triflorine	
110=	Trichlorine	
111=	Bluestone	
112=	Bugs/Worms on Fruit, Something to Kill and Prevent	
113=	Pony Rub/Liquid	
114=	Crane fly Spray/Corn, Corn Pests	
115=	"Saigon 7" (Barn Spray - Flies)	
116=	Lime Sulfur	
117=	Insecticides - NOS, Newer Less Volatile	
118=	Plant Mites, To Kill	
119=	Paramite	
120=	Grasshoppers, For	
121=	Caterpillars, For	
122=	Bug Killer	
123=	Grub Spray/Dust/Grub Treatment	
124=	Mosquito Spray	
125=	Dyazone	
126=	Dairy Spray/Cattle Spray	
127=	DO NOT USE - Use Code 011 [Cow/Cattle Dip]	
128=	DO NOT USE - Use Code 100	
129=	Ondrine	
130=	Rhodiatoc	
131=	Stop Drop	
132=	Pencap-M	

APPENDIX Y (Continued)

	<u>Common Name</u>	<u>Trade Name</u>
133=	Furadan, Liquid	
134=	Furadan 10-G, Dry	
135=	Black Flag	
136=	Copper Sulphate	
137=	Animal Mites, Something to Kill	
138=	Cut Worms, Spray For	
139=	Lysol for Fly Control/For Parasites	
140=	Cap-Ten	
141=	Ferbom	
142=	Zenob	
143=	Mange, Mange Spray on Pigs/Cattle, Something For	
144=	Purina Stock Spray	
145=	Swat	
146=	Horse and Pony - NOS - Spray	
147=	Brute	
148=	A.A. Tie	
149=	Hexachlorophene Powder	
150=	DO NOT USE - Use Code 143	
151=	Aphids, Something For	
152=	Japanese Beetles, Something For	
153=	Chicken Dip (Lime and Water)/White Wash for Mites on Chickens	
154=	Chicken's Living Areas, Something Used On	
155=	Barn Defogger	
156=	Denexite	
157=	Kerosene	
158=	DO NOT USE	
159=	Pink Eye Powder	
160=	Marlade Powder	
161=	Cattle Dust	
162=	Spray After Cleaning Stalls	
163=	DDC - Liquid	
164=	Rootworm Killer	
165=	Isotox	
166=	Euradane	
167=	Hidrin	
168=	Monitor	
169=	Bromogas	
170=	Darsban 4-E	
171=	Cockroach Spray	
172=	Tramazol	
173=	Citronella	
174=	Army Worms, Something For	
175=	Weevils on Cucumbers, Spray For	
176=	Ban Orthyn	
177=	Kelthane	
178=	Melachor	
179=	Iodine	
180=	Ravap/Rayvap	

APPENDIX Y (Continued)

	<u>Common Name</u>	<u>Trade Name</u>
181=	Insecticide, Oil Based	
182=	Sheep Wormer	
183=	Crow Repellent	
184=	Methyl	
185=	Ethyl	
186=	Parasiticide	
187=	Gophers, Something For	
188=	Colinar	
189=	Lysoff	
190=	RAID	
191=	Diapel	
192=	Killmore	
193=	Formaldehyde	
194=	Ectiban	
195=	Corn Beetles, Something For	
196=	Lye	
197=	Sodium Hydroxide	
198=	Tobacco, Something For	
199=	Pipernyl Butoxide	
200=	Absorbine SR	
201=	Vet's Linament	
202=	Fire Ants, To Kill	
203=	Blue Dragon	
204=	Gold Dust for Tomatoes	
205=	Stock Dip - NOS	
206=	Hokey-Pokey	
207=	Hexachlorophene	
208=	Carbolic Acid	
209=	Bluricon (Hogs)	
210=	Cattle Worm Treatment	
211=	Kaftan/Kaltan	
212=	DOPE	
213=	Chickens, Something For	
214=	Ibomec	
215=	Lead Spray	
216=	Parascreen	
217=	Serisan	
218=	Oil, Miscible	
219=	DIP - NOS	
220=	Carbon Tetrachloride	
221=	Hog Wormer	
222=	Watkins Fly Killer	
223=	Rice Moths, Something For	
224=	Fruit Tree Bugs, Something For	
225=	Diazonate	
226=	15-G	
227=	Marmalate	
228=	D-Con	
229=	Orthovolk	

APPENDIX Y (Continued)

	<u>Common Name</u>	<u>Trade Name</u>
501=	AMS	Ammate X-NI
502=	Acifluoren	Blazer
503=	Alachlor	Lasso
504=	Alachlor/Atrazine	Lasso/Atrazine
505=	Ametryn	Evik
506=	Amitrole	Amerol, Azole, Weedazol
507=	Arsenic Trioxide	Triox
508=	Arsenic - NOS	
509=	Asulam	Asulox
510=	Atrazine	Atrex/Atrazine
511=	Atrazine/Eradicane	Atrex/EPTC and Safener
512=	Atrazine/Prophaclor/Cyanazine	Atrex/Bladex/Bexton
513=	Atrazine/Propazine	Atrazine/Milogard
514=	Barban	Carbyne
515=	Benefin	Balan
516=	Bentazon	Basagran
517=	Benzoic Acid	Benzac
518=	Bifenox	Modown
519=	Boron Compounds	
520=	Bromacil, Cynogan	Hyver, Borea
521=	Bromoxynil	Brominal, Buc tril
522=	Butylate and Saener/Atrazine	Sutan + /Atrex
523=	Butylate and Saener	Sutan +
524=	CDA A	Randox
525=	Calcium Cyanamide	Cyanamide
526=	Chloramben	Amiben, Vegiben
527=	Cyanazine	Bladex
528=	Cyanazine/Propazine	Bladex/Milogard
529=	Dacthal	Dacthal
530=	Dalapon	Dowpon, Alpon, Dowpon-M
531=	Diallate	Avadex
532=	Dicamba	Banvel
533=	Diesel Fuel	Petroleum
534=	Diesel Fuel/2, 4-D	
535=	Dinoseb	Premerge, Bansanite, Chemox, Dinitro
536=	Diuron	Karmex, Urox
537=	EPTC	Eptam
538=	EPTC and Safener (And Protectant)	Eradicane
539=	Fenac	Fenatrol
540=	Fluchloralin	Basalin
541=	Flurodifer	Peforan
542=	Glean	
543=	Glyphosate	Roundup
544=	Herbicides - NOS	
545=	Hexazinone	Velpar
546=	Inorganic Arsenicals	Sodium, Calcium, Zinc Arsenite

APPENDIX Y (Continued)

	<u>Common Name</u>	<u>Trade Name</u>
547=	Lawn Weedkillers (Formulation Unknown)	
548=	Lawn Weedkillers (Liquids, Sprays)	
549=	Lawn Weedkillers (Solids, Powders, Dusts)	
550=	Linuron	Lorox
551=	MCPA	MCPA
552=	MSMA/DMSA	Trans-vert, Ansar, Daconate, Weed-hoe, Weed-e-rad
553=	Methoxone	
554=	Metolachlor	Dual
555=	Metribuzin	Lexone, Sencor
556=	Naptalam	Alanap
557=	Norea	Herban
558=	Organic Arsenicals	Organic Arsenicals
559=	Oryzalin	Surflan
560=	Paraquat	Paraquat, Ortho Cleanup, Clean Sweep
561=	Pendimethalin	Prowl
562=	Phenoxy - NOS	Phenoxy - NOS -, Estra Volume, Estra Brand, Ester
563=	Picloram	Tordon
564=	Profluralin	Tolban
565=	Prometone	Pramitol
566=	Pronamide	Kerb
567=	Propachlor	Bexton, Propachlor, Ramrod
568=	Propachlor/Atrazine	
569=	Prophaclor/Glyphosate	Ramrod/Roundup
570=	Propazine	Milograd, Propazine
571=	Propham	Chem Hoe
572=	Silvex	Weedone, Weedone 2, 4, 5-TP, Kuron, 3D Weedone
573=	Simazine	Princep
574=	Sodium Chlorate	Atratol, Drop-Leaf, Harvest-Aid, Tumble Leaf, Shed-A-leaf
575=	Tebuthiuron	Graslan
576=	Terbacil	Sinbar
577=	Terbutryn	Igran
578=	Triallate	Far-Go, Avadex BW
579=	Trifuralin	Treflan
580=	Ureabor	Na and Boracil
581=	Vernolate	Vernam
582=	Weed-Be-Gone	
583=	2, 3, 6-TBA	Benzac

APPENDIX Y (Continued)

	<u>Common Name</u>	<u>Trade Name</u>
584=	2, 4-D	2, 4-D Amine, Weed-Ar 64, Amine 4-D, Weed-Rhap A-40, 2, 4-D Ester, Weed-On LV-40, Esteron, Turf Builder + 2, Scotts +2, Scotts Weed and Feed, Butylester, Acme Vigero, Malt +, Fertilome, 400 Amine, Arap, 2, 4-D, T-S, Saltan, Chem Lawn, 25-3-3, WD 4, LD 4, Scotts - NOS, WD 40, Scotts 4 Program
585=	2, 4-D/2, 4, 5-T	
586=	2, 4-DB	Butoxone Amine, Butoxone Ester, Burtyrac Amine, Burtyrac Ester
587=	2, 4-DP (Dichlorprop)	Weed One 170
588=	2, 4-D/Propazine	2, 4-D/Miolgard
589=	2, 4-D/Atrazine	
590=	2, 4, 5-T	Weedar 2, 4, 5-T (Amine), Weedone 2, 4, 5-T (Ester), Amine 4T, Decamine 4T, 5 DT, Brush-Rhap A-4T, Esteron 235, Veon 245, AME
591=	Hoelon	
592=	Poast	
593=	TNT	
594=	Weed Killer - NOS	
595=	Powder - NOS	
596=	Thi-Nap	
597=	Satan +	
598=	PCB's	
599=	Arsenic Based Mixed w/Molasses	
600=	Fungicides (Mercury Compounds)	
601=	ATR	
602=	Nicotine Type Shellac	
603=	Arsenical of Lead	
604=	Amine, 6 Lb.	
605=	Buthelster	
606=	TOK	
607=	Hybar	
608=	OUST	
609=	Agent Orange	
610=	2, 4-DT	
611=	Paradol Crystals	
612=	CD2/Copper Natate	
613=	Spike	
614=	Bandill	
615=	Destruct	
616=	Bromephal	
617=	Methalyn	

APPENDIX Y (Continued)

	<u>Common Name</u>	<u>Trade Name</u>
618=	Preen Weed Killer	
619=	Experimental Chemical (No Name)	
620=	Eclan	
621=	Dioxin	
622=	Pentachloralthenal	
623=	Preemer (Cotton)	
624=	Generic Brand - NOS	
625=	Knockout	
626=	Votran	
627=	Orlana	
628=	Diozinol	
629=	Fungicides - NOS	
630=	Walnut Tree Blight, Something For	
631=	Weed Killer, Dow Brand	
632=	Weed Killer, Chevron	
633=	Cotton Seed Hulls, Something For	
634=	Mustard Grass, Something to Kill	
635=	Mesculine Chloride	
636=	Corn, Something Used On	
637=	Coal Oil	
638=	Fuel Oil/Motor Oil	
639=	Blackberries, Something For	
640=	Vegedex	
641=	DO NOT USE	
642=	Trimek/Tri-Mec	
643=	Bravo	
644=	Manzate	
645=	Calamite	
646=	Sana Foam Vapor Ooder or Rooter	
647=	Amino Triazole	
648=	Ortho Winter Spray	
649=	Anatone	
650=	Ronstar	
651=	Hyponex	
652=	Black Momma	
653=	Prinset 4	
654=	Gooseberry Bushes, Something to Kill	
655=	Phytar 560	
656=	Magnesium Chloride	
657=	Dynap	
658=	DEF	
659=	Sceptor	
660=	Clesterol	
661=	HVAR-XL	
662=	Pericore	
663=	Lawn Fertilizer, 5-10-5	
664=	Certaintede	
665=	Measurool	

APPENDIX Y (Continued)

666= Snailbait
 667= Prithion
 668= Perithian
 669= BiPel
 670= PDE
 671= Axtranze
 672= Sodium Arsenate
 673= Targon
 674= DO NOT USE
 675= Amine
 676= Ester
 677= Ortho-Systemic/Ortho
 678= Rosedust
 679= Soda Cotton
 680= 2-4-3
 681= Arsenate
 682= Thistles, Something For
 683= Dacnel
 684= Milorganite
 685= Lanacain
 686= Monothyon
 687= Tresslon
 688= Amaren
 689= Monoboardchorade
 690= BASF
 691= Preview
 692= Pyfanote
 693= Caseron
 694= Dormin Spray
 695= VAPAM
 696= Weedmaster
 697= Weedwipes
 698= Anhydrous/Anhydrous Ammonia
 699= Algicides
 700= Reobor
 701= MCPP
 702= Calcium Chloride
 703= Penta
 704= Soy Beans, Something For
 705= Chinch Bugs, Something For
 706= Copper Substance for Grapevines
 707= Dacamine
 708= Chloridine
 709= Pentitreat
 710= Half Bleach and Other Herbicides for Mildew
 711= Velpure (Sprayed on Evergreen Trees)
 712= Zap
 713= Bemlete
 714= Bednite to Coat a Reservoir
 715= Toxic Waste (Times Beach)
 716= Liquid - NOS/Spray - NOS

ATTACHMENT TO APPENDIX Y

Question: C25 / C33 / C43 / C53 / C63 / C73 / C82
(All are a - e)

HERBICIDE CODE LIST

THE FOLLOWING HERBICIDE NAMES HAVE NO CODES IN APPENDIX "Y" TO CORRESPOND WITH
THE ADDITIONAL RESPONSES PROVIDED ON THE ADDITIONAL CARD:

ANIABIN GRANULES
ANVILLE
CLASSIC
COMMAND
COMMENCE
CROP OILS
ERADICANE PLUS
HYBAR
HYSPAN
LADAX
RATICANE
SONALAN
SPIKE

APPENDIX Z

Question: C38 g - i
Other Specify

ANIMALS

- 01= Burros
- 02= Cats
- 03= Dogs
- 04= Ducks
- 05= Fowl
- 06= Geese
- 07= Goats
- 08= Guineas
- 09= Rabbits
- 10= Peacocks
- 11=
- 12= Buffaloes, Water Buffaloes
- 13= Deer
- 14= Pigeons
- 15= Bees
- 16= Caribou
- 17= Fish
- 18= Pheasants
- 19= Turtles, Tortoises
- 20= Skunks
- 21= Chinchillas
- 22= Mink
- 23= Monkeys
- 24= Tropical Birds
- 25= Llamas
- 26= Camels
- 27= Oxen

APPENDIX BB

Question: D10 a - i

RANK AT END OF TOUR

01=
02=
03= E4-HM3
04= E4
05= E5
06= Sergeant
07=
08=
09=
10= E2
11= CW01
12= CW02
13= CW03
14= CW04
15= 0-1
16= 0-2
17= 0-3
18= 0-4
19= 0-5
20= 0-6
21= 0-7
22= 0-8
23= 0-9
24= 10
25= E-1
26= E-3
27= E-7
28= E-8
29= E-9
30= ADE-3
31= E-6 (Tech Sergeant)
32= Chief Electrical Technician/Engineer
33= E-31
34= Fireman
35= Sonar Technician First Class
36= Sonar Technician 2nd Class
37= 3rd Class Private (Navy)
38= H-T-3 3rd Class
39= TECH 4
40= A-4
41= TM-3

APPENDIX CC

Question: D13 a - i

KIND OF UNIT

01= Aviation Light Bombardment Squadron
02= Destroyer Escort Radar Picket
03= Infantry
04= Medical Unit/Hospital
05= Support
06= Munition Company
07= Administrative Unit/Cleric
08= Anti-Submarine Warfare Ship, Aboard Aircraft
09= Signal Battalion/Signal Unit
10= Aero Resque
11= Armed Helicopter Company
12= Combat Engineer
13= Advisory Status Unit
14= River Patrol
15= Reconnaissance Wing
16= Communications Intelligence
17= Artillery Ship, Ammo Ship
18= Aircraft Carrier
19= Fighter Bomber Wing
20= Aviation Unit
21= Helicopter and Infantry
22= Helicopter Maintenance/Airplane Maintenance
23= Ship Repair
24= Attack Cargo
25= Engineer/Civil Engineer
26= Bomber Squadron
27= Fighter Aircraft
28= Chopper Company
29= Artillery
30= Supplies Unit/Ordnance/Logistics and Supply
31= Attack Unit
32= Tank Unit
33= Naval Amphibious Unit
34= Naval Destroyer
35= Helicopter Company
36= Fire Support
37= Military Police
38= Military Historian
39= Fighter Squadron
40= Radio Signal Support
41= Security
42= Tact Unit/Tactical Fighter
43= Psychological Operations
44= Equipment Maintenance
45= General Construction Battalion
46= Ship-Cruiser

APPENDIX CC (Continued)

47= Assault Ship - Troop Carrier
48= Special Investigation Unit (Classified)
49= Intelligence Unit - NOS
50= Sniper Squad - Underwater Demolition
51= Tetrion Operation - Headquarters
52= Supply and Infantry
53= Air Support (Cargo and Troop Lift)
54= Small Boat Patrols
55= Supply and Ship Repair
56= 1st Strike Mobile Force
57= Fighter Coverage for People on Ground
58= Purchasing
59= Radio Battalion
60= HQ Administration, Coordination
61= MACV - Various Activities (Military Assistance Command - Vietnam)
62= Engineering Unit/Mechanics/Highway Construction
63= Flotilla Squadron - Marine Support
64= Quartermaster Petroleum Company
65= Radio Communications Unit
66= Boat Company - Transports People and Materials by Boat
67= Patrol Unit
68= Recovery - Picked Up Downed Pilots
69= Heavy Division - Recon and Ambushes
70= Air Police and Surveillance Unit
71= Dentistry Unit
72= Training Unit
73= Air Force - Spotter Planes
74= Mine Sweeper
75= Transportation Unit
76= Naval Unit - Fox Division
77= Automatic Self-Propelled Weapons Unit
78= U.S. Navy Navigations Auxillary Support Fleet
79= Advisor - No Unit
80= Fighter Interceptor Squadron
81= Public Information Propaganda
82= Infantry and Intelligence Reconnaissance
83= Food Supply Ship

APPENDIX DD

Questions: D21 / D26 / D31 / D36 / D43
(All Are a - e)

CHEMICALS

001= Red Dust
002= Creosol
003= Agent Orange
004= Carbon Tetrachloride
005= DDT
006= Cleaning Solvent - NOS/Solvents
007= Tear Gas
008= Napalm
009= Dioxin
010= Antidote for Nerve Gas
011= Benzene
012= Photo Developing Chemicals
013= C.S. Gas
014= Inhibisol
015= Preservative
016= Grease
017= Chlorine
018= JP5
019= Defoliants
020= Chemicals - NOS
021= Military Bug Bombs
022= Gasoline/Fuel/Oil
023= Insecticides - NOS
024= Dandelions, Something For
025= Acetone
026= White Phosphorus
027= Foggers Used to Spray Mosquitoes
028= RAID
029= Methylethyl Ketone
030= Cutter Stock
031= Formaldehyde
032= Asphalt
033= Tar
034= Lye

APPENDIX EE

Questions: D22d1 / D27d1 / D32d1 / D37d1
D40d1 / D45d1 / D49d1

DURING WHICH TOUR OF DUTY DID "EXPOSURE" OCCUR

- 01= Did Not Happen During Either Tour
- 02= Fourth Tour
- 03= Fourth, Fifth, and Sixth Tours
- 04= Fifth and Sixth Tours

APPENDIX FF

Question: E6 c1
Other Specify

WOOD

- 01= Additions to House (Including Fences, Decks, Porches), Concrete Forms, Garage Doors
- 02=
- 03=
- 04= Outbuildings (Machine Shed, Harness Shop, Small Buildings, Greenhouse, Garage, Horse Stalls, Tree Houses)
- 05= Remodeling (Finished Room, Remodeled Kitchen, Made a Work Shop, Remodeled House, Home Improvements)
- 06=
- 07=
- 08= Small Objects (Toys, Birdhouse, Models, Wall Plaques, Skis, Picture Frames, Knick Knacks, Shelves, Crafts, Jewelry, Rabbit Traps, Decorations Old Pallets, Shoeshine Kit, Clocks, Art Pieces, Trash Can, Apple Boxes, Lamps, Tool Boxes, Easels, Beehives, Gunstocks)
- 09= Whittled Objects (Cedar Arrows)/Wood Carving/Sculpture
- 10= Firewood, Chopped
- 11= Repairing, Maintenance
- 12=
- 13= Theater Sets
- 14= Swing Sets, Gym Sets
- 15= Sailboat, Boat, In-Board Hydroplane, Canoes
- 16= Sandblaster
- 17= Violins
- 18= Fishing Poles and Lures
- 19= Heating Fixtures
- 20= Three-Wheel Car
- 21= Hot Tubs
- 22= Restoring Antiques
- ZZ= (QE6 c1)

ATTACHMENT TO APPENDIX FF

Question: E6 c1
Other Specify

WOOD

THE FOLLOWING OBJECTS MADE OUT OF WOOD HAVE NO CODES IN APPENDIX "FF" TO CORRESPOND WITH THE ADDITIONAL RESPONSES PROVIDED ON THE ADDITIONAL CARD:

2X4's
2X6's
ANIMAL CAGES
AQUARIANS
BARNs
BED FRAMES
BENCHES TO BOATS
BREAD BOXES, BREAD BOARDS
CABINET ON WHEELS
CHRISTMAS PRESENTS
COMMERCIAL PRODUCTS
CONSTRUCTION SITE
CORNICES
COUNTERTOP MOLDING
DIKE
DOG PENS
EQUIPMENT FOR RADIO
FLOATING PLATOONS
FLOWER BIN
FLOWER CONTAINERS
FORMICA, CUT
FORMICA TOPS
FORMICULATE INSULATION
GATES
GO-CARTS
GRATES
GUITARS
LATTICE WORK
LIGHT CONSTRUCTION
OUTSIDE WORK
PICNIC TABLES
PIPE ORGANS
PLANTER BOXES
PLANTERS
PLATFORMS
RABBIT HUTCH
RASPBERRY STAKES
ROCKER BOX FOR GOLD MINING

ATTACHMENT TO APPENDIX FF (Continued)

ROCKING HORSE
SAW HORSES
SIDE BOARDS FOR PICK-UPS
SPEAKER CABINETS
SURF BOARDS
SWAMP BUGGIES
TOOL CART ON WHEELS
TRAILERS
TRELLISES
TRIVET
TRUCK, BACK PART
TRUCK, SLATE BED FOR
VANITY
WATERBEDS
WELL
WILDLIFE BLINDS FOR PHOTOGRAPHING ANIMALS
WORK BENCHES

APPENDIX GG

Question: E11 a - f

HOBBIES

- 01= Auto Repair/Rebuild/Building and Racing Cars/Restoring Airplanes, Automobiles
- 02= Cabinet Making
- 03= Developing Photographs/Photostat Work/X-Rays
- 04= Gardening/Maintaining Lawn and House
- 05= Golf
- 06= Insect Collecting/Collecting Shellfish
- 07= Models (Making)
- 08= Restoring (Refinishing) Furniture/Maintaining Wood Boats, Wood Working, Building Furniture, Cleaning Railroad Ties/Staining Wood Molding/Refinishing Golf Clubs
- 09= Painting (Sign)
- 10= Staining Glass, Leaded Glass
- 11= Car Painting, Painting and Bondo Cars/Fiberglass on Cars
- 12= Printing, Typesetting
- 13= Bicycle Repairs, Working on Bicycles
- 14= Fiberglass Repairs, Sailboats, Boat Builder/Building Surfboards
- 15= Hunting/Reloading Shells and Cleaning Guns/Gunsmith/Target Shooting/Lead Shot
- 16= Welding
- 17= Lapidary
- 18= Swimming
- 19= Painting - NOS/Drawing - NOS
- 20= Air Brush Painting
- 21= Radio Controlled Models
- 22= Painting (Oils or Acrylic)
- 23= Painting and Staining Home
- 24= Leather Tanning and Dyeing
- 25= Boating/Removing Barnacles
- 26= Chemistry
- 27= Inventing/Tinkering and Mechanical Things
- 28= Pool Maintenance/Lifeguard
- 29= Ceramics/Pottery
- 30= Stamp Collecting
- 31= PC Board Manufacturing
- 32= Plastering
- 33= Arts "N" Crafts - NOS
- 34= Electronics (Repairs)/Assembly
- 35= Decoupage
- 36= Drawing/Drafting
- 37= Race Horse Care, Raised Horses
- 38= Raised Birds
- 39= Taxidermy
- 40= Motorcycle Racing and Building
- 41= Ceramic Copper Enameling
- 42= Jewelry Making

APPENDIX GG (Continued)

- 43= Working on Motors
- 44= Raising Bees
- 45= Making Plastic Toilet Seats
- 46= Pyrotechnics (Fireworks)
- 47= Calibrating Scales
- 48= Volunteer Firefighter
- 49= Flytying
- 50= Plumbing Work
- 51= Removing Wallpaper
- 52= Dog Care/Dog Breeding/Cat Breeding
- 53= Making Own Bullets
- 54= Laminating Glass
- 55= Fabric Design
- 56= Bowling
- 57= Formica Work
- 58= Metal Working
- 59= Living in Jamaica
- 60= Silk Screen Printing
- 61= Leather Belt Making/Tooling Leather
- 62= Equipment Maintenance in Machine Shop
- 63= Wine-Making
- 64= Chrome and Cadmium Plating
- 65= Roller Skating
- 66= Sculpting
- 67= Built Log House/Building House/Cabin Building
- 68= Roach Killing/Insect Killing
- 69= Recreational Drug Taking
- 70= Hair Spraying
- 71= Remodeling Rooms
- 72= Glassblowing
- 73= Research on Mice and Frogs
- 74= Skiing
- 75= Insulating House
- 76= Wearing a Hair Piece
- 77= Body Building
- 78= Carpentry/Theater Prop Making
- 79= Hair Styling
- 80= Steel Plate Etching
- 81= Spray Painting on Wood
- 82= Flying Airplanes/Maintaining Aircraft
- 83= Maintaining Apple Trees-Yard
- 84= Repair Work on and in House
- 85= Prospecting
- 86= Painting Plastic and Metal Figures
- 87= Coin Collecting
- 88= Making Model Rockets
- 89= Outdoor Person
- 90= Build and Design Power Transformers for Computers
- 91= Baseball and Soccer
- 92= Refurbishing Dolls

APPENDIX GG (Continued)

93= Repairing Glasses
94= Home Owner
95= Copper Foiling
96= Gold Mining
97= Refused
98= Don't Know
99= Not Ascertained
AA= Oriental Printing and Graphics

APPENDIX HH

Question: E12 a1 a2 a3 - f1 f2 f3

CHEMICALS USED IN HOBBIES

001= Acetic Acid
002= Acetone/STP - WD/40 (Acetone Base)/Methenol Acetone
003= Alcohol Solvents/Denatured Alcohol/Alcohol
004= Allylithio-Cyanate
005= Carbon Tetrachloride
006= Copper Sulfate/Copper
007= Dektol
008= Developer/Rinsing Solution/Starter
009= Diazanon
010= D-76'
011= Fixers (Photo) (Includes Hypofluid)
012= Flux/Solder Flux
013= Gasoline
014= Lacquer
015= Lead/Lead Solder/Lead Shot
016= Malathion
017= Metal Cleaner/Solvents Used to Clean Auto Parts
018= Microdol
019= Naphthalene
020= Oil/Lubricants
021= Oil Stain
022= Paint
023= Paint or Varnish Remover (Stripper)/Fornby's Paint Stripper
024= Paint Enamel or Lacquer Thinner, Mineral Spirits
025= Sevin Dust
026= Solder/Welding Rods
027= Stain and Sanding Sealer
028= Stop Bath
029= Trisodium Phosphate
030= Verathane
031= Stains (Excluding Oil Stain)
032= Polyurethane Varnish, Paint/Urethane
033= Waxes
034= Metal Protectors/Retardants, Car Painting
035= Varnish/Shellac/Wood Finish
036= Epoxy Paint/Resin
037= Spray Paints
038= Gas Boosters
039= Cleaners - Carburetor, Brakeliner, Engine
040= Engine Oil
041= Cleaning Solvents
042= Modeling Glue/Airplane Glue, Nail Polish Based Glues/Testor's Cement
043= Turpentine
044= Gunpowder
045= Ammonia
046= Greenchrome Rouge
047= Acetylene
048= Oxine

APPENDIX HH (Continued)

049= Copper Stripping
 050= Sodium Hypochloride
 051= Mineral Oil
 052= Chlorine/Chloride
 053= Algasides
 054= Muriadic Acid
 055= Acrylic Finishes/Vinyl Finishes
 056= Methylchloride (Strip-Eze)
 057= Cadmium Paints
 058= Toluene
 059= Linseed Oil
 060= Enamel Reducer
 061= Acids, Dry Acid
 062= Oil Paints/Acrylics
 063= Dope (Models), Enamel for Models
 064= Photographic Developing Chemicals - NOS
 065= Fiberglass Resin/Fiberglass
 066= Preservatives (Wood)
 067= Xylol
 068= Toners
 069= Setting Fluid
 070= Tung Oil
 071= Leather Dye
 072= Graphite Lubricants
 073= Hydrochloric Acid
 074= Soldering Compound
 075= Cleaners - Fiberglass, Teak
 076= Silver Nitrate
 077= Polyester Resins
 078= Inorganic Compounds
 079= MEK Peroxide
 080= Gel Coat
 081= CEVA - Chrome C-10 and C-12
 082= Kodak 1993 Process
 083= Trichlorethylene
 084= K-P4
 085= Feric Chloride
 086= Brake Fluid
 087= Aphid Dust
 088= Weed-Be-Gone/Weed Killers
 089= Gypsum
 090= Acetone Glue
 091= Soda Ash
 092= Acetone Thinner
 093= Glazing Oils, Oils for Wood - NOS
 094= 3M Processor
 095= Hardener (Photo)
 096= IPA
 097= Diethenon
 098= Solvents - NOS
 099= Cygon 2E Systemic Insecticides and Fungicide

APPENDIX HH (Continued)

100= Equalizer (Photo)
 101= Iron Oxide
 102= Glaze
 103= Rock Board
 104= Ethers
 105= Cleaning Oils (Guns)
 106= Degreaser
 107= Formaldehyde
 108= Kerosene
 109= PCB'S
 110= Swimming Pool Chemicals - NOS
 111= Brush Cleaners (Oil-Base Paint)
 112= Bleaches (Photographic)
 113= India Ink
 114= Crazy Glue
 115= Fornby's Refinisher/Furniture Refinisher - NOS
 116= Bond-O
 117= Dusting Powder for Lice
 118= Polishes - NOS
 119= Borax Powder/Borox
 120= Tanning Oil
 121= Ture Oil
 122= Blueing and Blocking (For Barrels of Guns)
 123= Cyanide
 124= Insecticide, Fly Spray/Bug Spray, Pesticide - NOS
 125= Asbestos
 126= Glass Frits
 127= Antibiotics, Terramycin
 128= Fumidol B
 129= WASH (For Refinishing Furniture)
 130= Benzene
 131= Liquid Sandpaper
 132= Washes (Neutralized) In Film Developing
 133= Nicotine
 134= Pyrethrum
 135= Potassium Chloride
 136= Sulphur/Sulphur Solution
 137= Potassium Manganate
 138= Teak Rubs from Maritime Shops
 139= Polyvinyls
 140= Burning Materials - NOS
 141= Silicone Gas Fumes
 142= Cutting Oils
 143= Water Base Paint
 144= Printing Fluid (Photo)
 145= Dyetematrous Earth
 146= Chemicals - NOS
 147= JASCO
 148= Greens
 149= Polyester

APPENDIX HH (Continued)

150= Methylethyl Ketone
151= Nitro Methane
152= Exotic Fuels - Alcohol, High-Octane Gasoline/Model Airplane Fuels
153= Chemical Dyes
154= Plaster of Paris
155= Rogers Gardens Snail Repellant
156= Contact Cement, Cement, Plastic Cement, Rubber Cement
157= Fungicide
158= DO NOT USE
159= Arc Welder
160= Sal Soda
161= DDT
162= DO NOT USE - Use Code 127
163= Chromate Pigments
164= Metal Preparation/Metal Primers
165= Fillers-Auto Body Work
166= Feather Dyes
167= Bowling Ball Oil for Lanes
168= Banana Oil
169= Chlordane
170= Hoof Preservative
171= Glue
172= Clorox
173= Sulphuric Acid
174= Zinc
175= Cocaine
176= Marijuana
177= Poppers (Amyl Nitrate)
178= Lacquer - As for Hair
179= Non-Flammable Oxygen
180= Water/Oxygen
181= Color Printing Process Chemical
182= Toxic Paint
183= Cellulose
184= "Hoppe" - Gun Solvents
185= Fertilizer/Miracle Grow
186= Chemicals Used in Giving Permanents
187= Cupenol (Wood Preservative)
188= Ink Cleaner (Printshop)
189= E-16
190= Agway Orchard Spray
191= Freon
192= Lead Base Paint
193= Water Colors
194= Zylene
195= Acid Wash (Photography)
196= Petrochemicals
197= Resourcanol
198= Naval Jelly
199= Anti-Fouling Paints

APPENDIX HH (Continued)

200= Transmission Fluid
 201= Phenol Compound
 202= Nitrates/Ferric Nitrate
 203= Picrates
 204= Turbinoid (Petroleum)
 205= Liquin
 206= Ortho Snail Pellets/Snail Bait Granules
 207= Nitrobenzene
 208= Mercury
 209= Oil Based Refinishing Products
 210= Pentachoral
 211= Poxie Glue (Epoxy)
 212= Polyurethane Foam
 213= Silver Bromide
 214= Felt Tip Pens
 215= Car Care Products/Fluids
 216= Agricultural Lime
 217= Leather Brightener/Cleaner/Polisher
 218= Teak Dust
 219= Aviation Fuel
 220= Round-Up
 221= Systemic Rose
 222= Solvents for Glue
 223= Cobalt
 224= Radioactive Earth
 225= Soldering Solvents
 226= Salt Bath
 227= Chromium (For Tanning)
 228= Ortho Rose Dust
 229= Edwal FG-7
 230= Printer's Inks
 231= Tannin/Tannic Acid
 232= Micron 22 and 33
 233= Hardener (Car Surfaces)
 234= Sulphur of Liver
 235= Flea and Tick Shampoo
 236= Parmite
 237= Unicolor
 238= Auto Paints
 239= Body Putty (Cars)
 240= Sulphate
 241= Nitrogen
 242= Fish Emulsion
 243= Philoform
 244= Nitric Acid
 245= Lithographic Acid
 246= Dolomite
 247= Peroxide
 248= Hair Dye
 ZZZ= (QE12 a3-f3)

ATTACHMENT TO APPENDIX HH

Question: E12 a1 a2 a3 - f1 f2 f3

CHEMICALS USED IN HOBBIES

THE FOLLOWING CHEMICALS USED IN HOBBIES HAVE NO CODES IN APPENDIX "HH" TO CORRESPOND WITH THE ADDITIONAL RESPONSES PROVIDED ON THE ADDITIONAL CARDS:

ACRYLIC DYES
CHROMIC ACID
CHROMIUM COMPOUND
DYES
FLEXTO-VARITANE
HELIARC WELDING SMOKE
HYDROQUININE
INSULATION
JET FULE & REFRIGERATION
LATEX RUBBER
LEMON OIL
LIQUID SOLVENTS DRYERS
LPSH1
LPSH2
PAINT THINNER
PERMAWASH
PLASTIC ADHESIVE
RUBBER SMOKE
RUST BUSTERS
RUST REMOVER
SELENIUM TORERS
SILICAN GRIT
SOAPS
SOLVENT DYES
TALCUM POWDER
THOMPSON'S WATER SEAL
WOOD FILLER

APPENDIX II

Question: C601 - C618

OTHER ACTIVITIES

- 01= School
- 02= Odd Jobs, Part Time Jobs
- 03= Unemployed
- 04= Farming
- 05= Retired
- 06= Ill, Convalescing - "Stayed Drunk"
- 07= Looking for Work
- 08= On Strike
- 09= Disabled
- 10= Sabbatical, Leave of Absence
- 11= Prison
- 12= Vacationing/Traveling
- 13= DO NOT USE
- 14= Refugee Camp
- 15= Several Jobs Held for Less Than One Year
- 16= Spent Time Overseas
- 17= DO NOT USE PER ED BRANN - (Was: in Foreign Military Service)
- 18= Building His Home/Home Improvements
- 19= DO NOT USE
- 20= Veterans Home Resident
- 21= Handicapped Activities Center
- 22= Auto Mechanics at Home
- 23= Messing Around/Playing Around/Playing Jazz
- 24= Mental Institutions
- 25= Sports - Fishing, Bicycling, Etc.
- 26= Consulting
- 27= Free Lance Artist
- 28= Religious Order
- 29= Self Employed - Semi-Retired

APPENDIX JJ

Questions: D20 / D25 / D30 / D35
(All Are c1)

CHEMICAL USED FOR OTHER SPECIFIED

- 01= Cleaning Agents - NOS
- 02= Facilitate Burning Human Waste
- 03= Cleaning Agents, Weapons, Helicopter Parts, Cleaning of Electrical Components
- 04= To Preserve Wood
- 05= To Remove Asbestos Tile
- 06= Rodents/Rats
- 07= To Flush the Enemy/To Kill the Enemy
- 08= Testing Water
- 09= Combination 01 and 08 (Cleaning Agents Used in Testing Water)
- 10= Photo Developing
- 11= Grease for Pulleys
- 12= To Chlorinate the Water Supply
- 13= Gas Bomb
- 14= Floor Stripping
- 15= Riot Control Spray/Riot Control
- 16= Aviation Fuel/Fuel
- 17= People
- 18= Tear Gas
- ZZ= (QD30 c1)

ATTACHMENT TO APPENDIX JJ

Question: D20 / D25 / D30 / D35
(All are cl)

CHEMICALS USED FOR OTHER SPECIFIED

THE FOLLOWING CHEMICALS USED HAVE NO CODES IN APPENDIX "JJ" TO CORRESPOND WITH
THE ADDITIONAL RESPONSES PROVIDED ON THE ADDITIONAL CARD:

CARBON TET
NAPALM

DOCUMENT SUMMARY

Document Id: 0129P
Document Name: attach to DBMS
Operator: m.gales
Author: m.kresnow

Comments: Flat file

STATISTICS

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