



# The Arizona Border Study

An Extension of the Arizona National Human Exposure Assessment Survey (NHEXAS)Study Sponsored by the Environmental Health Workgroup of the Border XXI Program

# Quality Systems and Implementation Plan for Human Exposure Assessment

The University of Arizona Tucson, Arizona 85721

Cooperative Agreement CR 824719

# **Standard Operating Procedure**

**SOP-UA-D-11.0** 

**Title:** Coding: Follow Up Questionnaire

Source: The University of Arizona

U.S. Environmental Protection Agency Office of Research and Development Human Exposure & Atmospheric Sciences Division Exposure & Dose Research Branch

Notice: The U.S. Environmental Protection Agency (EPA), through its Office of Research and Development (ORD), partially funded and collaborated in the research described here. This protocol is part of the Quality Systems Implementation Plan (QSIP) that was reviewed by the EPA and approved for use in this demonstration/scoping study. Mention of trade names or commercial products does not constitute endorsement or recommendation by EPA for use.

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#### Coding: Follow Up Questionnaire

#### 1.0 Purpose and Applicability

This procedure defines the coding strategy for the Follow Up Questionnaire. This questionnaire was developed for use in NHEXAS, the Border Study, and other Health and Environment Projects.

#### 2.0 Definitions

- 2.1 BORDER STUDY: An alias for "Total Human Exposure Arizona: A comparison of the border communities and the state" conducted in Arizona by the University of Arizona/Battelle/Illinois Institute of Technology consortium.
- 2.2 CODE, GLOBAL: A set of standard codes used in data within the project designating the status of a data field in three cases: datum refused, datum non-applicable, and datum missing.
- 2.3 HEALTH AND ENVIRONMENT PROJECTS (or H & E): An umbrella title for all projects funded to M. D. Lebowitz and/or M. K. O'Rourke (or their designees) which examine purported or real relationships among environmental factors and any aspect of human health.
- 2.4 HRP SITE: The Health Related Professions building, located at 1435 North Fremont Avenue; Tucson, AZ 85719. This is an annex of the Respiratory Sciences Center and the primary site of NHEXAS Arizona.
- 2.5 NHEXAS Arizona: Acronym for National Human EXposure Assessment Survey, a research project conducted in Arizona by the University of Arizona/Battelle/Illinois Institute of Technology Consortium.

#### 3.0 References

Teleform 5.0, Copyright 1991-1996 by Cardiff Software, Inc., San Marcos, CA.

#### 4.0 Discussion

The Follow Up Questionnaire is a scanable form. The questionnaire will be self-completed by the subject in the field, QA checked by the interviewer/technician and office staff, coded, and then scanned into the database.

The OMB approved questions were formatted into a scanable form using the

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Teleform program package and following procedures outlined in SOP # UA-D-30.x. This package has a dictionary feature and a feature that prints out the characteristics of each created form.

The overall coding scheme will follow SOP # UA-D-31.x: Global Coding for Scanned Forms. The data will be stored as flat ASCII files and re-coded according to EPA's coding scheme when it is ready to be submitted to EPA.

A final version of the Follow Up Questionnaire form are presented in the attached Appendix A. A description of all fields and variables may be found in UA-D-22.x. Field descriptions contain the name of the field on the form, the variable name, the object id attributes, the constraint level for recognition of the code, the length of the field and the type of the field (i.e., hand writing recognition, and automated Dictionary Correction, etc.).

Special Coding lists will be developed as needed to accommodate unanticipated responses. A summary table of questions needing specific codes and coding lists used are found in Table 1.

#### 5.0 Responsibilities

The Project Data Coordinator is responsible for creating the forms, defining the databases and writing the coding instructions for the Follow Up Questionnaire form.

#### 6.0 Materials and Reagents

- 6.1 Codes are to be written with a black felt tip pen only.
- 6.2 Questionnaires are put into a batch once they are coded and recorded on the Batch Description and Custody Record.
- 6.2 Those coding lists that are not in the Coding Lists notebook can be found on-line in the /rsc53/TrackNHEXAZ/codes/ directory. The coding lists that pertain to the Follow Up Questionnaire are listed in section 8.0 Records, and include Tables 2 through 15.
- 6.3 Networked Computer Workstation that can access FoxPro.
- 6.4 Microsoft FoxPro Professional Edition version 2.6, Copyright 1989-1993 Microsoft Corporation.
- 6.5 Coding Program v1.0, developed in-house using FoxPro 2.6.

#### 7.0 Procedural Steps for Coding of Follow Up Questionnaire

- 7.1 Preparation
  - A. Remove a batch of Follow Up Questionnaire forms from the Data Coordinator's file cabinets.
  - B. Bring forms to an area where coding can be done.
  - C. Use only a black felt-tip pen for coding.
  - D. Find the Coding Lists notebook which contains the coding list specified in Table 1 and bring it to the coding area.
- 7.2 Coding Forms
  - A. Begin by checking for missing information, illogical answers, and necessary codes throughout the entire form.
  - B. Follow the Global Coding scheme (UA-D-31.x) as necessary.
  - C. If there is no code appropriate to the given response then create a new code and add it to the coding list according to the procedure found in UA-D-31.x.
- 7.3 Creation of a New Code
  - A. New codes can be added by the Data Coordinator or his or her designee.
  - B. See UA-D-31.x for the procedure to create a new code.

#### 8.0 Records

#### **Inclusions:**

- Table 1. Questionnaires Needing Codes & Coding Lists
- Table 2. Antacid
- Table 3. Calcium
- Table 4. Chelate
- Table 5. Chromium
- Table 6. Diuretic
- Table 7. Hormone
- Table 8. Multi
- Table 9. Other
- Table 10. Selenium
- Table 11. Medical Code
- Table 12. Other Unit
- Table 13. Other Diet
- Table 14. Other Filter
- Table 15. Medical Category
- Appendix A. Follow Up Questionnaire

Table 1. Questionnaires Needing Codes & Coding Lists

SOP # & Table# of Coding List UA-D-11x/Table 2 UA-D-11x/Table 3 UA-D-11x/Table 4 UA-D-11x/Table 5 UA-D-11x/Table 13 UA-D-11x/Table 6 UA-D-11x/Table 6 UA-D-11x/Table 14 UA-D-11x/Table 14 UA-D-11x/Table 10 UA-D-11x/Table 10 UA-D-11x/Table 10 UA-D-11x/Table 10 UA-D-11x/Table 10 UA-D-35x/Table 10 UA-D-35x/Table 20 UA-D-35x/Table 5 UA-D-35x/Table 9 UA-D-37x/Table 10 UA-D-7x/Table 11 UA-D-7x/Table 11 UA-D-7x/Table 11 UA-D-7x/Table 11 UA-D-7x/Table 11	UA-D-10x / Table 3 UA-D-31x / Table 3 UA-D-6x / Table 2 UA-D-13x / Table 2
location Irsc53/TrackNHEXAZ/codes/chelate dbf Irsc53/TrackNHEXAZ/codes/chelate dbf Irsc53/TrackNHEXAZ/codes/chiomium_dbf Irsc53/TrackNHEXAZ/codes/chiomium_dbf Irsc53/TrackNHEXAZ/codes/diuretic_dbf Irsc53/TrackNHEXAZ/codes/diuretic_dbf Irsc53/TrackNHEXAZ/codes/munti_dbf Irsc53/TrackNHEXAZ/codes/munti_dbf Irsc53/TrackNHEXAZ/codes/munti_dbf Irsc53/TrackNHEXAZ/codes/munti_dbf Irsc53/TrackNHEXAZ/codes/chelenium_dbf Irsc53/TrackNHEXAZ/codes/chelenium_dbf Irsc53/TrackNHEXAZ/codes/chelenium_dbf Irsc53/TrackNHEXAZ/codes/cape_dbf Irsc53/TrackNHEXAZ/codes/cape_dbf Irsc53/TrackNHEXAZ/codes/cleanmet_dbf Irsc53/TrackNHEXAZ/codes/funts_dbf Irsc53/Track	/rsc53/TrackNHEXAZ/codes/reason.dbf /rsc53/TrackNHEXAZ/codes/relation.dbf /rsc53/TrackNHEXAZ/codes/ UA-D-43.x Appendix A
Coding List Name TYPE OF ANTACID MEDICATION TYPE OF CHELATING AGENT TYPE OF CHECANIUM SUPPLEMENT TYPE OF CHECONIUM SUPPLEMENT TYPE OF CALCIUM SUPPLEMENT TYPE OF DIET DIURETIC MEDICATION DOSAGE ACCORDING TO LABELING OTHER TYPE OF FILTERING DEVICE HORMONE SUPPLEMENT MULTI VITAMIN SUPPLEMENTS SPECIFIC MEDECINE NAME OTHER TYPES OF MEDICATION OTHER TYPES OF MEDICATION OTHER TYPES OF MEDICATION OTHER TYPES OF MEDICATION OTHER TYPE OF CARPETING TYPE OF CARPETING TYPE OF CARPETING TYPE OF FOUNDATION TYPE OF COUNDATION TYPE OF COUNDATION TYPE OF COUNDATION TYPE OF COUNDATION TYPE OF FOUNDATION TYPE OF FOUNDATION TYPE OF FOUNDATION TYPE OF COULER PADS TYPE OF COULER PADS TYPE OF COLLER PADS TYPE OF COLLER PADS TYPE OF COLLER PADS TYPE OF SURFACE TREATED MIX CODES TYPE OF SURFACE TREATED MIX WATER SUPPLIER MAIN WATER SUPPLIER MIX WATER SU	DONE
Ouestion Number 66 68 77 74 11 64 69 60 60 60 60 60 61 11 60 61 11 60 61 61 61 61 62 63 63 63 64 64 64 66 65 69 69 69 69 69 60 60 60 60 60 60 60 60 60 60 60 60 60	12, 14 N/A P.7 A-N
Questionnaire Type FOLLOW UP FOLLOW FOLLO	FOOD DIARY FOLLOW UP GLOBAL CODE DESCRIPTIVE 24 HOUR FOOD DIARY CHECK

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#### Table 2. Antacid

CODE	DESC
10	GENERIC
11	PEPCID
12	ZANTAC
13	ALKA-SELTZER
14	PEPTO BISMOL
15	TUMS
16	TEMPO
17	MAALOX
18	TAGAMET
19	ALUMINIO Y MAGNESIO
20	BERGAN BRUNSWIG
21	ROLAIDS
22	PHAZYME
23	LILLEY
24	PROPULSIVE
25	SAFEWAY
26	PHARMACIST'S FORMULA
27	SMITH'S
28	RIOPAN
62	EQUATE
66	ZANTAC

TUMS ULTRA

#### Table 3. Calcium

#### CODE DESC

02 03 04 05 06 07 08 99 01 11 21 22 22 22 22 22 23 33 33 33 33 33 33 44 44 44 45 55 55 55 56 66 66 67 77 77 77 77 77 77 77 77 77 77	CENTRUM SMITH'S SPRING VALLEY KYOLIC VITA FRESH NUTRILITE SINUTAB SMITTY'S SHAKLEE LITRA WALGREEN'S HI-CAL SOURCE NATURAL CALTRATE VITAMINS/MINERALS KIRKLAND HEALTH BALANCE TRI-NATURE NATURE MADE WALMART OSCAL HI-TOP NATURE'S WAY TWIN LAB GNC NATURE'S LIFE NATURE'S LIFE NATURE'S BOUNTY NATURE PLUS THORNE RESEARCH LIFETIME CITRACAL GENERIC YOUR LIFE NATURE'S BODY  PURITAN'S PRIDE  HI-HEALTH  FRY'S
71	FRY'S
80 81 82 83 84 85 86	FRY'S
87 88	

#### Table 4. Chelate

#### CODE DESC

- 01 CENTRUM
- 02 SMITH'S
- 03 SPRING VALLEY
- 04 KYOLIC
- 05 VITA FRESH
- 06 NUTRILITE
- 07 SINUTAB
- 08 EFIDAC
- 20 VITAMINS/MINERALS
- 21 KIRKLAND HEALTH BALANCE
- 22 TRI-NATURE
- 23 NATURE MADE
- 24 WALMART
- 25 OSCAL
- 26 HI-TOP
- 27 NATURE'S WAY
- 28 TWIN LAB
- 29 GNC
- 30 HORMONES
- 31 PREMARIN
- 32 ORTHO NOVUM
- 33 PREMPRO
- 34 DESOGEN
- 40 PAIN KILLERS
- 41 MOTRIN
- 42 EXCEDRIN
- 43 TYLENOL
- 44 ECOTRIN
- 45 PERRIGO CO
- 46 ADVIL
- 47 TOP CARE
- 48 FORMUCARE
- 50 BLOOD PRESSURE MEDS
- 51 RELAFEN
- 52 MODURETIC
- 53 VASOTECH
- 60 ALLERGY MEDS
- 61 SUDAFED
- 62 EQUATE
- 63 MURO
- 70 ANTIBIOTICS
- 71 GRUPO PHARMACTEL
- 80 ASTHMA MEDS
- 81 SLO BID
- 82 ALLEN & HANBURY'S
- 83 3M
- 84 PROVENTIL
- 85 INTAL
- 86 ALBUTEROL
- 87 NASACORT
- 88 AZMACORT
- 89 AEROBID
- 90 HEART MEDS/PSYCHO DRUGS
- 91 PROCARDIA
- 92 ZOLOFT
- 93 DIGOXIN/LANOXIN
- 94 LOPRESSOR

## Table 5. Chromium

CODE	DESC
01 02	NOM
02	NATROL
03 03	CENTRUM
04 04 05 06 07 08 09 10 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34	WEIDER  NATURE'S MADE  WALMART  MEZATRACE
34 40 41 42 43 44 45 46 47 48 50	NATURE'S PLUS

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## Table 6. Diuretic

CODE	DESC
01	ACCUPRIL
02	DILACOR
03	ARCOLA
04	DYAZIDE
05	GENEVA
06	NATURAL BRAND
07	ALDACTONE
80	LASIX
09	PRINZIDE (ZESTORETIC)
10	GENERIC
11	ZIAC
12	MUNLIN R/N
13	ZAROXOLYN
14	OSCO DRUG
15	BUMEX
16	WALGREEN'S
17	HYDROCHLOROTHIAZIDE
18	MYLAN
50	BLOOD PRESSURE MEDS
51	RELAFEN
52	MODURETIC
53	VASOTECH

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#### Table 7. Hormone

CODE	<del></del>
01	NATURAL ESTROGEN
02	BMSPR
03	UPJOHN
04	ESTRADERM
05	ORTHO-CEPT
06	WYETH
07	ESTRACE
08	SCHERINA
09	WYETH-AYERST
10	DANIELS
11	TRIGUILAR
12	GREENSTONE
13	ARMOUR
14	OGEN
15	SMITH'S
20	CAREMARK
30	HORMONES
31	PREMARIN
	ORTHO NOVUM
33	PREMPRO
34	DESOGEN
35	PREMPHASE
36	E.S.I.
37	BOOTS
38	TRIPHASEAL
39	CYCRIN
40	PROVERA
41	ORTHOCYCLEN
42	LOESTRIN FE
74	OSCO
96	SYNTHROID

#### Table 8. Multi

#### CODE DESC

01 CENTRUM 02 SMITH'S 03 SPRING VALLEY KYOLIC 04 05 VITA FRESH 06 NUTRILITE 07 WINTERSUN 08 **PYCHOGENOLS** 09 RED CLOVER PLUS 10 AMNI 11 SESAME STREET 12 CENTURY SENIOR 13 YOUR LIFE 14 osco SAFEWAY 15 THERAGRAN M 17 ONE-A-DAY 18 PROCEA 19 ULTRA MEGA VITAMINS/MINERALS 20 21 KIRKLAND HEALTH BALANCE TRI-NATURE 22 23 NATURE MADE 24 WALMART 25 OSCAL 26 HI-TOP 27 NATURE'S WAY 28 TWIN LAB 29 GNC 30 VITA-LEA 31 STAR 32 GENERIC 33 TRADER DARWIN'S SILVER LIGHT 34 35 HEALTH FOR LIFE 36 YOUR LIFE 37 CERNITIN 38 CENTRAL VITE 39 THORNE RESEARCH ALLERGY RESEARCH GROUP NATURE' LIFE 40 41 42 TOP CARE 43 WALGREEN'S 44 K-MART 45 NATURE'S RESOURCE 46 OCUVITE 47 AARP 48 AVON LIFE 49 GOLDLINE 50 TARGET 51 MULTIVITAMIN 52 SCHIFF 53 CENTRUM SILVER 54 TRU NATURE 55 PEP PRODUCTS 56 PURITAN'S PRIDE 57 NATURE'S PLUS NATURE'S BOUNTY 59 FRY'S

POLY VI FLOR

MEGA FOOD

NATURALLY

HI-HEALTH

BRONSON

SOLARAY

SAV-ON

60 61

62

63

64

65

66

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#### Table 8 (Continued). Multi

- 69 VITAL 90+
- 70 ULTRA PLAN
- 71 ALBERTSON'S
- 72 VITALERT
- 73 ARIZONA
- 74 PRENATE 90
- 75 THOMPSON
- 76 KAL
- 77 SUPER BLUE GREEN
- 78 MEG-OMEGA
- 79 IROPS BETA-PLEX
- 80 GINSANA
- 81 SPECTRO
- 82 PURITAN
- 83 ETHEX
- 84 CELL GUARD
- 85 SHABLU
- 86 ABOVE ALL
- 87 NUTRI BIOTIC
- 88 TRADER JOE'S
- 89 HIGH HEALTH
- 90 LURIDE
- 91 QUINTESSENCE
- 92 STANDARD PROCESS
- 93 ENZYMATIC THERAPY
- 94 AZ HARVEST
- 95 LIQUID HEALTH
- 96 SUNDOWN
- 97 ENERGEN
- 98 NUTRITION FOR LIFE
- 99 MEGAMEN
- A1 EAS (EXPERIMENTAL & APPLIED SCIENCES)
- A2 NEXT NUTRITION
- A3 GOLDEN YUCCA
- A4 FLINTSTONE (BAYER)
- A5 NESTAB

#### Table 9. Other

```
CODE DESC
01 BENADRYL
02
     SMITH'S
     BROMPHEN
03
     TWIN LAB
04
     PRIME NATURAL
05
06
     TRADER JOES
07
     ALLEVE
08
     LILLY
09
     MARQUEE
     NORVASC (HEART MED)
10
11
     SWIFT
     GENERIC
12
     PREDNISONE (DELTASONE)
13
14
     PAIN AID
15
     MYLAN
     MERCK & CO
16
      SIDMAK
17
18
      SCARLE
19
     HALLS
20
      SUDA HYDRO CHLORINE
 21
     MAXAIR
 22
      WALGREEN'S
      MARINE MINERALS
 23
 24
      WALMART
 25
      OSCAL
 26
      VICKS
      NITROFURANTOIN
 27
 28
      HERBAL AUTHORITY
 29
      VITAMIN WORLD
      LANOXIN
 30
      PLENDIL
 31
 32
      PROSCAR
 33
      GLUCOTROL
 34
      INSULIN
 35
      CIMETIDINE
      SULINDAC
 37
      ACHROMYCIN-V
      SELDANE
 38
 39
      SCHERING
 40
      MSD
 41
      CORGARD
 42
      DIABETA
      MOTRIN
 43
      CALAN / VERAPAMIL
  45
       ZESTRIL / PRINIVIL
       GENEVA BROOMFIELD
  46
  47
       THOMPSON
  48
       ADVIL
       MUTUAL 105
  49
       NEW VISION
  50
  51
       PURE SYNERGY
  52
       BACTROBAN
  53
       WESCORT
  54
       PFZER
  55
       BOOTL
       B-W
  56
  57
       SEARL
       NATURE'S BOUNTY
  58
  59
       TYLENOL
  60
       SMITH KLINE
       SUDAFED
  61
       EQUATE
  62
       CLARITIN
  63
       HI-HEALTH
       CARAFATE
  65
       CAREMARK
  66
  67
       VICODIN
       LIBRAX (CLINDEX)
  68
```

69

70 71 XANAX KIRKLAND

CATAPRES

#### Table 9 (Continued). Other

```
72
     FRY'S
     VALUSTAR
74
     OSCO DRUG
75
     SOMA
76
     DECONAMINE / CHLORPHENIRAMINE
77
     AUGMENTIN
78
     TOP CARE
79
     ALBERTSON'S
80
     GEMFIBROZIL
81
     NORVOICH
82
     VANCERIL (BECLOMETHASONE DIPROPPRIONATE)
83
     BAYER
84
     METHOTHREXATE
85
     SERZONE
86
     ALBUTEROL (PROVENTIL)
87
     ROBITUSSIN
88
     AZMACORT
89
     CARDENE
90
     TENORMIN
91
     QUESTRAN
92
     ZOLOFT
93
     LOPID
94
     ACCUPRIL
95
     IMIPRAMINE
96
     MIDOL
97
     TOP CASE
98
     BRISTOL-MYERS
99
     NATURAL EFX
A1
     CEPACOL
A2
     RITALIN
А3
     DURAMED
A4
     SCHEIN
Α5
     SPORANOX
Α6
     CARDIZEM
Α7
     HY-TOP
Α8
     PAXIL
Α9
     VOLTAREN
В1
     INDOCIN
В2
     PIAQUENIL
В3
     CONGEST AID
В4
     WYETH
В5
     NDC
В6
     BLAIREX
     JOHNSON & JOHNSON
в7
     SMITTY'S
B8
В9
     ALKA-SELTZER
C1
     LITHOBID
C2
     TEGRETOL
C3
     TRAZODONE
C4
     EON LABS
C5
     ETHEX
С6
     HUMULIN R
C7
     IMODIUM AD
C8
     RELIEF SF
C9
     METAPROLOL
D1
     HYTRIN
D2
     VASOTEC
D3
     ACCUPRIL
D4
     ESTRATAB
D5
     BETOPTIC
D6
     MICRONASE
D7
     EFIDAC
D8
      SAV-ON
D9
     IMURAN
     MCNEIL
E1
E2
     DYAZIDE
E3
     DIMETAP
E4
      ALEVEST
E5
      FLEMING
E6
      INTAL
```

E7

AMOXIL/AMOXICILLIN

#### Table 10. Selenium

```
CODE DESC
01
     CENTRUM
02
     SMITH'S
03
     SPRING VALLEY
04
     KYOLIC
05
     VITA FRESH
06
    NUTRILITE
07
     SINUTAB
80
     EFIDAC
09
     VITA-C
10
    NATURE'S BOUNTY
13
     SOURCE NATURALS
20
    VITAMINS/MINERALS
21
     KIRKLAND HEALTH BALANCE
22
     TRI-NATURE
23
     NATURE MADE
24
     WALMART
25
     OSCAL
26
     HI-TOP
27
     NATURE'S WAY
28
     TWIN LAB
29
     GNC
30
     SOLARAY
31
     ULTRA PLAN
32
32
     PURITAN'S PRIDE
33
33
     MEZATRACE
34
34
     NATURE'S PLUS
40
41
42
43
44
45
46
47
48
50
```

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#### able 11. Medical Code

#### CODE DESC

074 KELP

ZINÇ

076

075 ALUMINUM/MAGNESIUM

077 POTASSIUM GLUCONATE

010 VITAMINS/MINERALS 011 CENTRUM JR MULTIVITAMIN 012 VITAMIN E 013 BETA CAROTENE 014 CALCIUM 015 VITAMIN C 016 MULTIVITAMIN 017 CAL-MAG-ZINC 018 CHROMIUM PICOLINATE 019 AMINO ACIDS ALLERGY MEDS 020 021 EQUATE 022 PSEUDOEPHREDINE (SUDAFED) 023 SINUTAB 024 EFIDAC 025 BROMPHEN 026 CLARITIN 027 PLENDIL 028 PROSCAR 029 SULINDAC 030 ANTACIDS 031 FAMOTIDINE 032 RANITIDINE HYDROCHLORIDE 033 PEPTO BISMOL 034 TUMS 035 CIMETIDINE (TAGAMET HB) 036 MAALOX 037 ALKA SELTZER 038 ROLAIDS 039 ACHROMYCIN-V 040 HORMONES 041 ESTROGEN
042 BIRTH CONTROL PILLS
043 ESTROGEN REPLACEMENT (PREMPRO, PREMARIN) 044 CYCRIN (PROVERA) 045 MICRONOR (PROGESTIN) 046 LEVOTHYROXINE 047 TESTOSTERONE 048 PROVENTIL (ALBUTEROL) 049 IMODIUM 050 PAIN KILLERS 051 IBUPROFEN 052 ACETOMINOPHEN 053 ASPIRIN 054 NAPROXEN SODIUM 055 HELATONIAN 056 GYNOVIN 057 SELDANE 058 VANCENASE 059 TRIMTERENE (MAXZIDE) 060 BLOOD PRESSURE MEDS 061 ZESTRIL 062 HYTRIN 063 PROPRANOLOL/INDERAL 064 CARDENE 065 TENORMIN 066 QUESTRAN 067 LOPID 068 ACCUPRIL 069 DIABETA 070 ANTIBIOTICS 071 ERITHROMIACIN 072 LOTRIMEN 073 NITROFURANTOIN

#### Table 11(Continued). Medical Code

PENICILLIN 079 FLONASE 080 ASTHMA MEDS 081 SLO-BID 082 INHALER 083 TRIAMCINOLONE ACETONIDE/AZMACORT 084 AEROBID 085 PREDNISONE (DELTASONE) PIRBUTEROL ACETATE 086 087 SEREVENT 880 ATROVENT 089 ULTRA DIET PEP 090 HEART MEDICINE 091 PROCARDIA 092 ATENOLOL 093 LANOXIN/DIGOXIN 094 LOPRESSOR 095 ENALAPRIL MALEATE (VASOTEC) 096 NORVASC (AMLODIPINE BESYLATE) 097 VERAPAMIL 098 IMIPRAMINE 099 CYANOCOBALAMINE (B12) 100 COUGH MEDS 101 COUGH FORMULA M COUGH FORMULA DM 102 103 COUGH DROPS 104 LEVOXYL 105 CAL-SILICA 106 CORGARD 107 SIMETHICONE 108 OYSTER CAL D 109 MAGNESUM 110 MORE VITAMINS & MINERALS 111 GINSENG 112 CREATINE 113 GARLIC 114 NIACIN 115 SELENIUM 116 RED ROOT 117 THERAPEUTIC M 118 ECHINACEA 119 VITAMIN B-6 120 DIURETICS 121 AMILORIDE HYDROCHLOROTHYAZIDE 122 FUROSEMIDE 123 ACCUPRIL-DO NOT USE 124 DILACOR 125 INDAPAMIDE 126 DYAZIDE PRINZIDE (ZESTORETIC) 127 128 ALDACTIZIDE 129 CARDIZEN ANTI-INFLAMATORY/ANTI-ARTHRITIS 130 131 ALLOPURINOL/ZYLOPRIM 132 PIROXICAM (FELDENE) 133 OXAPROZIN (DAY-PRO) 134 RELAFEN 135 INDOMETHACIN / INDOCIN ORUDIS / KETOPROFEN NAPROSYN / NAPROXEN (NOT N. SODIUM) 136 137 138 VOLTAREN 139 PLAQUENIL 140 PSYCHE-MEDS 141 PAXIL 142 ZOLOFT 143 ALPRAZOLAM/XANAX 144 PROZAC 145 ATIVAN / LORAZEPAM 150 CATCH ALL MEDS

151

CYCLOBENZAPRINE

152 DICYCLOMINE 153 VICKS CHLORASEPTIC

#### Table 11 (Continued). Medical Code

- 162 ZOCOR
- 163 MEVACOR 170 ANTICONVULSANTS
- 171 DEPAKOTE
- 172 MYSOLINE 180 INSULIN/DIABETIC MEDS
- 181 LENTE I 182 GLUCOTROL
- 183 LOTENSIN
- 184 NPH INSULIN
  190 MORE VITAMINES/MINERALS
- 191 VITAMIN B-12
- 192 VITAMIN B-1 193 ANTIOXIDANT VITAMIN
- 194 FOLIC ACID 195 PRENATAL VITAMINS
- 196 CRANBERRY
- 197 LECITHIN 198 MELATONIN
- 199 FLUORIDE & VITAMINS
- 200 B 50/B50
- 201 VENTRUX-ACIDO
- 202 TAMSULOSIN (EXPERIMENTAL)
- 203 QUININE SULFATE
- 204 GINKO BILOBA
- 205 BILBERRY 206 B COMPLEX
- 207 CENTRUM SILVER
- 208 SHARK CARTILAGE 209 PAU D'ARCO
- 210 FERROUS SULFIDE
- 211 ALDACTONE / SPIRONOLACTONE
- 212 CELLETRIC
- 213 FRUIT JUICE CAPSULES
- 214 VEGETABLE CAPSULES
- 215 CALCIUM / MAGNESIUM
- 216 ANA-ACETYLASTINE 217 SOW PALMETTO
- 218 ALFALFA
- VALERIAN 219
- 220 BLOOD PRESSURE MEDS
- 221 BENAZEPRIL
- 222 MONOPRIL
- 230 ULCER MEDS
- 231 LIBRAX
- 232 CARAFATE
- 233 ZANTAC
- 234 ZIAC
- 235 PRILOSEC
- 236 PANCREASE
- 237 PEPCID
- 240 MORE COUGH MEDS
- 241 PROMETHAZINE / PHENERGAN W/CODINE
- 242 HYDROCODONE
- 243 DAYQUIL
- 244 DIMETAP
- 245 NYOUIL
- 250 MORE ANTIBIOTICS
- 251 DOXYCYCLINE / DORYX
- 252 BACTROBAN/MUPIROCIN
- 253 AUGMENTIN
- 254 METRONIDAZOLE / FLAGYL
- 255 CEPHALEXIN / KEFLEX
- 256 BACTRIM
- 257 AMOXICILLIN / AMOXIL
- 258 SPORANOX
- 259 GARAMYCIN OPHTALMIC / GENTAMICIN SULFATE
- 260 STERIODS
- 261 HYDROCORTISONE VALERATE
- 270 MORE HEART MEDS
- 271 NORPACE
- 272 CATAPRES
- 273 PERSANTINE / DIPYRIDAMOLE

#### Table 11 (Continued). Medical Code

```
ISORDIL
      TRANSDERM-NITRO
276
277
      IMDUR
280 MORE PAIN KILLERS
281 MIDOL
282 EXCEDRIN
283 ADVIL
284 SOMA / CARISOPRODOL
285 FIORINAL / FIORPAP
286 VICODIN
287 TYLENOL PM
288 PAMPRIN
290 MORE HORMONES
291 MEDROL / PREDNISOLONE
292 WILD YAM MOISTURIZING CREAM
293 ORTHO-EST / OGEN
294 THYROID
295 EYERIN
296 SYNTHROID
297 SULFAMETHOX TRIMET
298 TRIPHASEAL
299 ORTHOCYCLEN
300 MORE VITAMINS
301
      PLENAMINO
302 VITAMIN B-125
303 GABA
304 ESTER C
305 MULTI MINERAL
306 ENZYMAL
307 FIBER
308 VITAMIN A
309 WHEAT SPROUTS
310 MORE ALLERGY MEDS
311 DECONAMINE / CHLORPHENIRAMINE
312 NASAL SPRAY
313 DYCLONIN HYDROCHLORIDE (THROAT SPRAY)
314 BENADRYL
320 ANTIDEPRESSANTS
321 DESIPRAMINE / NORPRAMIN
322 SERZONE
323 AMITRIPTYLINE (ELAVIL)
324 SKELAXEN
325 RITALIN
326 WELLBUTRIN
327 PAMELOR / NORTRIPTYLINE
328 SINEQUAN / DOXEPIN
 329 DESYREL / TRAZODONE
330 MORE ASTHMA MEDS
331 VANCERIL (BECLOMETHASONE DIPROPRIONATE)
 332 POTASSIUM CITRATE
 333 ATROVANT
 334 INTAL
 335 SALINE
 340 ARTHRITIC MEDS
341 METHOTREXATE
 342 SALSALATE / DISALCID
350 MORE VITAMINS / MINERALS
351 GRAPEFRUIT SEED EXTRACT
 352 K-TAB
 353 FLOURIDE
354 LOZI-TABS
 355 CAYENNE
356 ANTRONEX
 357 PHYTOSOME
 358 HONEY BEE POWDER
 359 VITAMIN B-50
 360 DIABETES MEDS
 361 GLYBURIDE / MICRONASE
362 ULTRAM
 363 BETOPTIC
 364 PILOCAR
 370 ANTIHISTIMINES
```

371 TAVIST D 372 SINE-AID

#### Table 11 (Continued). Medical Code

- 380 ACNE MEDS / SKIN CREAMS 381 BENZAC / DESQUAM-E 382 RETIN-A (TRETENOIN) 383 ACCUTANE

- 390 MORE VITAMINS / MINERALS
- 391 MICRO K
- 392 LURIDE
- 393 MAGNESIUM W/ZINC 394 DONG QUAI 395 OYSTER SHELL 396 OCUMIN 397 PHYTONADIONE

- 398 YUCCA
- 399 FEOSOL
- 400 MORE DIURETICS
- 401 BUMEX
- 402 HYDROCHLOROTHIAZIDE / HYDRODIURIL
- 410 MORE ANTIDEPRESSANTS
- 411 TEGRETOL
- 412 LITHOBID 413 DEXADRINE
- 420 MORE VITAMINS
- 421 GUAIVENT
- 422 SUPER COLON CLEANSE
- 423 PHOSPHAGEN
- 424 IRON
- 430 MORE ANTACIDS
- 431 RIOPAN
- 432 MORE ANTIBIOTICS
- 433 IMURAN 440 APPETITE SUPPRESSANTS 441 IONAMIN
- 448 MORE HORMONES
- 449 PROTROPIN

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## Table 12. Other Unit

CODE	DESC
01	DROP
02	TABLE SPOON
03	TEASPOON
04	PUFF
05	MILILITER/ML
06	MICROGRAMS
07	TABLET
80	SPRAY
09	MICROLITERS
10	OUNCES
11	CC

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## Table 13. Other Diet

CODE	DESC
01	CARBOHYDRATE ADDICTS DIET
02	CABBAGE DIET
03	JENNY CRAIG
04	LOW ACID DIET
05	ALLERGY RESTRICTIONS
06	DIETARY PILLS
07	NO FLOUR, SUGAR, OR SALT DIET
80	PKU DIET

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#### Table 14. Other Filter

CODE	<u>DESC</u>
01	FABRIC FILTER
02	AIR PURIFIER
03	FURNACE FILTER
04	AIR CLEANER
05	AIR FILTER
06	SEARS FREE STANDING AIR CLEANER
07	AMCOR FILTER
80	OZONE GENERATOR
09	STATIONARY COLD AIR RETURN
10	CENTRAL FAN
11	POSITIVE ION AIR FLOW

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#### Table 15. Medical Category

CODE	DESC
CODE	

- 01 NONPRESCRIPTION PAINKILLERS
- 02 PRESCRIPTION PAINKILLERS
- 03 TRANQUILIZERS, SLEEPING PILLS, SEDATIVES, ANTIDEPRESSANTS
- 04 ANTACIDS
- 05 BLOOD PRESSURE PILLS (EXCLUDES BETA BLOCKERS)
- 06 HEART MEDICINE (EXCLUDES BETA BLOCKERS)
- 07 BLOOD THINNERS (ANTICOAGULANTS)
- 08 ANTIHISTAMINES/ALLERGY MEDICINE (DECONGESTANTS AND DESENSITIZATION SHOTS)
- 09 ANTIBIOTICS
- 10 STEROIDS-TABLETS OR INJECTIONS
- 11 COUGH MEDICINE (EXPECTORANTS)
- 12 HORMONE OR BIRTH CONTROL PILLS
- 13 ASTHMA SPRAY/ATOMIZERS; BRONCHODILATORS (BETA-AGONISTS), ACCOLATE PILL
- 14 AMINOPHYLLINE/THEOPHYLLINE (BRONCHOTABS)
- 15 OTHER / CATCH-ALL MEDS
- 16 INHALED STEROIDS
- 17 CROMOLYN
- 18 VITAMINS, MINERAL SUPPLEMENTS, ELECTROLYTES
- 19 ARTHRITIC/GOUT MEDS-ANTI INFLAMMATORY AGENTS (NON-STEROID)
- 20 ANTICHOLINERGICS-AEROSOL BRONCHODIALATORS
- 21 BETA-BLOCKERS (BLOOD PRESSURE & HEART MEDS)
- 22 CHOLESTEROL MEDICATION
- 23 OVER THE COUNTER HEALTH MEDS
- 24 EXPERIMENTAL DRUGS
- 25 ANTIVIRAL
- 26 ANTISMOKING MEDICATIONS/AIDS

# Appendix A. Follow Up Questionnaire

Data Use Only:

ADULT FOLLOW UP QUESTIONNAIRE  National Human Exposure Assessment Survey		
FIRST Name (ONLY):  Date of Completion:  MO DAY YR		
INSTRUCTIONS		
• Please use the black, felt tip pen provided in the notebook when you complete this questionnaire.		
<ul> <li>Please follow the special guidelines typed in bold italics. They tell you to either Continue to the question below, or to GO TO a given question.</li> </ul>		
• Please answer questions printed on a white background only. Shaded areas are for office use only.		
• Multiple Choice Questions: Please fill in the appropriate bubble(s) ( ) that appear to the left of each response.		
For example: How old is the puppy? Fill in ONE bubble. 0 1 week 2 weeks 0 3 weeks		
Please shade bubbles like this: ● and not like this: ※ ※		
• Open Ended Questions: Please write your answer on the line(s) or in the box(es) provided. Please write your numbers in the boxes using a block style without touching the sides of the boxes.		
For example: 0 1 2 3 4 5 6 7 8 9		
For example: How old is the puppy? week(s)		
<ul> <li>If You Make a Mistake: For multiple choice, cross out the incorrect answer(s). For open-ended questions, cross out the incorrect value(s) and write the correct value(s) above or beside the boxes.</li> </ul>		
For example: How old is the puppy? Fill in ONE bubble. 1 week 2 weeks 3 weeks		
For example: How old is the puppy? week(s)		
• If you wish to not answer a question, then please draw a line through it, but not through the answer space.		
For example: How old is the puppy? week(s)		
All data gathered in this questionnaire is kept strictly confidential. Thank you for your time and support!		
Public reporting burden for this collection of information is estimated to average 30 minutes per response, and to require 0 hours of recordiceping. This includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Chief, Information Policy Branch, 2136, U.S. Environmental Protection Agency, 401 M St., S.W., Washington, D.C. 20460; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington D.C. 20503. OMB Clearance #: 2080-0033		

0 1 2 3 4 5 6 7 8 9 A B C D E F G H I J

HHID

F.S.

IRN#

Study Participants: Please begin on page 3 (next page).	PAGE 2 Adult Follow Up
DESIGNATED PARTICIPANT	OFFICE USE ONLY
f the participant is LESS THAN 10 YEARS OLD, what is the first name of the individual who s providing the answers for the designated respondent?	□ QC □ X's.R
FIRST Name (ONLY):	☐ Y's.N ☐ Z's.M
IRN#: G_IRN	□ QC □ - 5.R □ - 8.N □ - 9.M
Vhat is the relationship of this individual to the person for whom the responses are provided?  Till in ONE bubble.	
<ul> <li>○ 1. Self</li> <li>○ 2. Guardian</li> <li>○ 3. Other (Specify:</li></ul>	0 55.R O Relat Code 0 88.N 0 99.M
	9-rela
Comments:	***
	·····
	• .
Chain of Custody initiated Consigned to packet on []://	Box UA-G-4-2.0
Femnum Study OFFICE USE ONLY	
O   D   Stage #:   O   O   O   O   O	Admin. by: Tech. ID
O' (C)	EDATE DAY YR J
S.N/A QA: DP Batch: QC DP BATCH	
Data Use         0         1         2         3         4         5         6         7         8         9         A         B         C         D         E         F         G         H         I           Only:         0 <t< td=""><td></td></t<>	

FS. IRN.	PAGE 3
These first questions are about things which may have happened in your home. They can be	Adult Follow Up  OFFICE USE ONLY
things you do or see or just normal activities. Please think about only the past week, the time when you were taking part in this study.	
1. In the past week, were any of the following items used in your home? Read choices and fill in ONE bubble for YES or NO.	
1 a. Central air conditioner? Yes No	R N M
1 h A window or well all and the state of th	X
If YES, Was it set to Read choices and fill in ONE bubble.	055 088 099
	R N M
<ul> <li>1. Recirculate</li> <li>2. Outdoor air</li> <li>(If more than one setting record the carrier was a continuous and con</li></ul>	055 088 099
2 Don't Image (a more dam one setting, record the option most often used.)	
1 c. An evaporative cooler?	R N M
1 d. A portable or ceiling fan?	055 088 099
1 c. An evaporative cooler?  1 d. A portable or ceiling fan?  1 e. A window fan? (Not an A/C unit)  1 f. An exaust fan? (Not a stove fan)  Yes No  Yes No  Yes No  Yes No	055 088 099
1 f. An exaust fan? (Not a stove fan)	○ 55 ○ 88 ○ 99
1 g. A wood or coal burning stove or furnace?	055 088 099
	R N M
<ul> <li>1. Yes Continue in BOX BELOW</li> <li>2. No GO TO Question # 1 h (this page below)</li> </ul>	055 088 099
If yes to Question #1 g: Wood StV	
1. For how many days? Fill in ONE bubble.	
01 02 03 04 05 06 07	R N M ○55 ○88 ○99
Mondais	0 33 0 66 0 99
2. When you used the wood or coal burning stove, on how many days, if any, did you see or smell unusually heavy smoke or other fumes coming into the	
room? Enter number of days. If none, enter 0.	
	□QC □-5.R □-8.N
day(s) Woodfune	□-9.M
1 h. An oil burning furnace?	
O 1. Yes Continue in BOX BELOW	R N M
O 2. No GO TO Question #1 i (next page)	O 55 O 88 O 99
- · · · · ·	
If yes to Question # 1 h:	
1. For how many days? Fill in one bubble	R N M
01 02 03 04 05 06 07	0 55 0 88 0 99
2. When you used the oil burning furnace, on how many days, if any, did you see or smell unusually beauty smells as about 1	
see or smell unusually heavy smoke or other fumes coming into the room?  Enter number of days. If none, enter 0.	-
	□QC □-5.R
day(s) Oilffune	□-8.N
	□-9.M
Data Use         0         1         2         3         4         5         6         7         8         9         A         B         C         D         E         F         G         H         I         J           Only:         0 <t< td=""><td>31450</td></t<>	31450
Only: 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	

Data Use

Only:

	PAGE 4
(Continued) In the past week, were any of the following items used in your home?	OFFICE USE ONLY
1 i. A kerosene space heater?	
O 1. Yes Continue in BOX BELOW Kerosput O 2. No GO TO Question # 1 j (this page below)	R N M
If yes to Question # 1 i:	7
1. For how many days? Fill in ONE bubble. Herodays  01 02 03 04 05 06 07	R N M O 55 O 88 O 99
2. When you used the kerosene space heater, on how many days, if any, did you see or smell unusually heavy smoke or other fumes coming into the room?  Enter number of days. If none, enter 0  day(s) Kerofume	□QC □-5.R □-8.N □-9!N
1 j. A gas fired space heater?	J
<ul> <li>1. Yes Continue in BOX BELOW</li> <li>2. No GO TO Question # 1 k (this page below)</li> </ul>	R N M
If yes to Question # 1 j:	7
1. For how many days? Fill in ONE bubble. Gas days	R N M
2. When you used the gas fired space heater, on how many days, if any, did you see or smell unusually heavy smoke or other fumes coming into the room? Enter number of days. If none, enter 0.	
day(s) Gas-Func	□-8.N □-9.N
1 k. A fireplace?	
O 1. Yes Continue in BOX BELOW O 2. No GO TO Question # 1 L (next page)	0 55 0 88 0 99
If yes to Question # 1 k:	
1. For how many days? Fill in ONE bubble. Five days  01 02 03 04 05 06 07	R N M
When you used the fireplace, on how many days, if any, did you see or smell unusually heavy smoke or other furnes coming into the room? Enter number of days. If none, enter 0.	
day(s) Firefume	□ QC □ - 5.R □ - 8.N □ - 9.M
	٠, ١

0 1 2 3 4 5 6 7 8 9 A B C D E F G H I J

(Continued) In the past week, were any of the following items used in your home?	OFFICE USE ON
1 L. Forced-air central heat? (not oil, wood, or coal burning)  1 L. Forced-air central heat? (not oil, wood, or coal burning)  2 No GO TO Question # 1 m (this page below)	R N ○ 55 ○ 88 ○
If yes to Question # 1 L:	7
1. For how many days? Fill in ONE bubble. For Cours  01 02 03 04 05 06 07	R N O 555 O 88 O
1 m. Electrostatic precipitators? (dust extraction/scouring device)  1. Yes Continue in BOX BELOW  2. No	R N O 555 O 88 O
If yes to Question # 1 m:	
1. For how many days? Fill in ONE bubble. Precdays  01 02 03 04 05 06 07	R N O 55 O 88 O
1 n. Ultrasonic humidifier? (vibrating air moistening device)  1. Yes Continue in BOX BELOW  2. No GO TO Question # 1 o (this page below)  If yes to Question # 1 n:	R N O 55 O 88 O
O 1. Yes Continue in BOX BELOW Humidif O 2. No GO TO Question # 1 o (this page below)  If yes to Question # 1 n:	055 088 0
O 1. Yes Continue in BOX BELOW Humidif O 2. No GO TO Question # 1 o (this page below)  If yes to Question # 1 n:	W
1. Yes	R N O
1. Yes Continue in BOX BELOW Humidif     2. No GO TO Question # 1 o (this page below)  If yes to Question # 1 n:  1. For how many days? Fill in ONE bubble. Humidays  1. O 2 0 3 0 4 0 5 0 6 0 7	R N O
O 1. Yes	R N O
O 1. Yes	0 55 0 88 0 R N 0 55 0 88 0

		PAGE 6
		Adult Follow Up
45 min., or 1	ving questions, if the time was LESS THAN 1 HOUR, enter 15 min, 30 min., hour (whichever is closest to time reported). If time was GREATER THAN 1 It to the nearest hour. Fill in ONE bubble for either minutes or hours.	OFFICE USE ONLY
2. In the pass	week, did you spend any time using? or were you near anyone who was using	?
	uestion for each activity. If you answer yes for any activity, fill in bubble for YES rethe questions in the box. If no, fill in bubble for NO and GO TO the question given.	
2 a. Pain	is or solvents (thinners and removers)?	_
	O 1. Yes Continue in BOX BELOW + OINTSON O 2. No	R N M 0 55 0 88 0 99
	If yes to Question # 2 a:	500
1.	How many times in the past week? time(s) - DW	□ QC □-5.R □-8.N □-9.M □ QC
2.	Number of days since last used? Prit days  Prit days  Line Put time Put - un	-5.R -8.N -9.M QC -55.R -88.N -99.M
3.	How long were you using or near the use of paints or solvents? Fill bubble for min./hr.	○ 55 ○ 88 ○ 99
4.	Did you handle them yourself? O Yes Continue below  No GO TO Quest. # 2 b  (this page below)	R N M
5.	Did you wash hands after use? No	055 088 099
6.	Did you wear gloves, masks, or other	0 55 0 88 0 99
	es and adhesives, such as contact cements, super glues, and aerosol adhesives, contain chemical solvents?  O 1. Yes	
	O 2. No GO TO Question # 2 c (next page)	055 088 099
	If yes to Question # 2 b:	
1.	If yes to Question # 2 b:  How many times in the past week?	○ 55 ○ 88 ○ 99
	How many times in the past week? time(s)  Number of days since last used?	-5.R  -8.N  -9.M  -9.M  -0.C  -5.R  -8.N  -9.M  -9.M  -0.C  -5.R  -8.N  -9.M  -0.M  -0.C  -0.M  -0.C  -0.M  -0.C  -0.M  -0.C  -0.C
2	How many times in the past week? time(s)  Number of days since last used? day(s) — d	QC
3	How many times in the past week?	QC   9.M   9.M   QC   9.M   QC   9.M   9.M   QC   9.M   9.M   QC   9.55.R   88.N   99.M   99.M   99.M   955   88   99.M   99.M   955   88   99.M   99.M   955   98.M   99.M   955   98.M   99.M   955   98.M   99.M   955   98.M
3	How many times in the past week? time(s)  Number of days since last used? days) — days  How long were you using or near the use of glues or adhesives? Fill bubble for min./hr.  Did you handle them yourself? Yes Continue below  No GO TO Quest. #2 c	QC   -5.R   -8.N   -9.M   QC     -5.R   -8.N   -9.M   QC     -5.5.R   -88.N   -99.M   0.55   0.88   0.99   R   N   M

0 1 2 3 4 5 6 7 8 9 A B C D E F G H I J O O O O O O O O O O

Only:

Data Use

Only:

		Adult Follow Up
. (Cor	entinued) In the past week, did you spend any time using? or w	
wh	no was using?	vere you near anyone
2 c.	Petroleum products (kerosene, fuel oil) (NOT pumping gas)?	
	O 1. Yes Continue in BOX BELOW	Petrol OSS 088 0
	O 2. No GO TO Question # 2 d (this page be	elow)
	If yes to Question # 2 c:	
	1. How many times in the past week?	Petr_pu time(s)
	2. Number of <i>days</i> since <u>last used</u> ?	Petrdaus D.S.R D. EN D.
	3. How long were you using or near the use of petroleum products? Fill bubble for min.	O minute(s)
	or hr.	Ders R N
	4. Did you handle them yourself? O No	GO TO Quest. #2 d
		(this page below) R N O 55 O 88 O
	5. Did you wash hands after use? O No	
	6. Did you wear gloves, masks, or other Yes	
		□ ○ 55 ○ 88 ○
	protective equipment? O No	0 55 0 88 0
		0 55 0 88 0
2 d.	protective equipment? O No  Gas-powered lawn mower?	
2 d.	protective equipment? O No	, N
2 d.	Gas-powered lawn mower?	
2 d.	Gas-powered lawn mower?  O 1. Yes Continue in BOX BELOW	, N
2 d.	Gas-powered lawn mower?  O 1. Yes Continue in BOX BELOW  O 2. No GO TO Question # 2 e (next page)  If yes to Question # 2 d:  1. How many times in the past week?	R N   O 55   O 88   O   O   O   O   O   O   O   O
2 d.	Gas-powered lawn mower?  O 1. Yes Continue in BOX BELOW  O 2. No GO TO Question # 2 e (next page)  If yes to Question # 2 d:  1. How many times in the past week?	R N   0.55 0.88 0   0.55 0.88   0.55   0.88   0.55   0.88   0.55   0.5
2 d.	Gas-powered lawn mower?  O 1. Yes	R N   0.55 0.88 0   0.55 0.88   0.55 0.88   0.55   0.68
2 d.	Gas-powered lawn mower?  O 1. Yes Continue in BOX BELOW O 2. No GO TO Question # 2 e (next page)  If yes to Question # 2 d:  1. How many times in the past week?	R N   0.55 0.88   0.55 0.88   0.55 0.88   0.55
2 d.	Gas-powered lawn mower?  O 1. Yes	R N   055 088 0   1   1   1   1   1   1   1   1   1
2 d.	Gas-powered lawn mower?  O 1. Yes	R N   O 55   O 88   O   O 55   O 88   O   O   O   O   O   O   O   O
2 d.	Gas-powered lawn mower?  O 1. Yes	R N   O 55   O 88   O   O 55   O 88   O   O   O   O   O   O   O   O
2 d.	Gas-powered lawn mower?  O 1. Yes	R N   0.55 0.88 0   0.55 0.88   0.55 0.8
2 d.	Gas-powered lawn mower?  O 1. Yes	R N   0.55 0.88 0   0.55 0.88   0.55 0.8
2 d.	Gas-powered lawn mower?  O 1. Yes	R N   0.55 0.88 0   0.55 0.88   0.55 0.8

0 1 2 3 4 5 6 7 8 9 A B C D E F G H I J

Data Use

Only:

O 2. No GO  If yes to Question # 2 e.  1. How many times in the  2. Number of days since la	ed equipment?  ntinue in BOX BELO  TO Question # 2 f (t	W Chainsaw this page below)	R N 0 555 0 88 0
1. Yes	ntinue in BOX BELO TO Question #2f (t	his page below)	O 55 O 88 C
1. Yes	ntinue in BOX BELO TO Question #2f (t	his page below)	O 55 O 88 O
O 2. No	TO Question #2f (t	his page below)	
<ol> <li>How many times in the</li> <li>Number of days since la</li> </ol>		time(s)	
2. Number of days since la	past week?	time(s)	
			-5.R   -8N     -
	st used?	. Chn-days	□-5.R □-8.N □-
3. How long were you usin chain saw or other gas-p Fill bubble for min. or	owered equipment?	Chy_time_Chy Ominute(s) Ohour(s)	-55.R -28.N - -55.C -88.N -
		O Yes Continue below O No GO TO Quest. #2f	R N O 55 O 88 C
5. Did you wash hands afte	r use?	Yes No	% N 055 088 C
6. Did you wear gloves, ma protective equipment?		Chn-prot O Yes O No	O 55 O 88 C
O 2. No <i>GC</i>	ntinue in BOX BELO TO Question #2 g (i		R N O 555 O 888 O
If yes to Question #2 f.			
1. How many times in the	past week?	. Sand-PW time(s)	□-53R □-8.N □-
2. Number of days since la	st used?	day(s)	23883N
3. How long were you usin a sander? Fill bubble or hr.	for min.	Sandtime minute(s)	055 088 C
		Ses Continue below	R N O 55 O 88 C
4. Did you handle them yo	ui 9¢ii (	·· O No GO TO Quest. #2 g (next page)	
<ul><li>4. Did you handle them yo</li><li>5. Did you wash hands after</li></ul>		(next page)	8 N 055 088 C

0 1 2 3 4 5 6 7 8 9 A B C D E F G H 1 J O O O O O O O O O O O O O

HAID FS: IRN:	PAGE 9
2 /0 /2 10 / 4	Adult Follow Up  OFFICE USE ONLY
<ol> <li>(Continued) In the past week, did you spend any time using? or were you near any who was using?</li> </ol>	yone OTTICE OSE ONET
•	
2 g. Insecticides, pesticides, herbicides in any way, including farming or gardening?	R N M
<ul> <li>1. Yes Continue in BOX BELOW</li> <li>2. No GO TO Question #3 (this page below)</li> </ul>	O 55 O 88 O 99
If yes to Question # 2 g:	
1. How many times in the past week? time(s)	☐-5.R ☐-8.N ☐-9.M
2. Number of days since last used? day(s)	
3. How long were you using or near the use of these products? Fill bubble for min.	te(s) - 35.R - 88.N - 99.M
or hr.	
4. Did you handle them yourself? O No GO TO Quest. #	
5. Did you wash hands after use? No	R N M O 55 O 88 O 99
6. Did you wear gloves, masks, or other O Yes No	R N M 0 55 0 88 0 99
7. Did you mix the product yourself? O Yes No	R N M 0 55 0 88 0 99
In the past week, did you spend any time? or were you near anyone who was?  Read the question for each activity. If you answer yes for any activity, fill in bubble for YES and answer the questions in the box. If no, fill in bubble for NO and GO TO the question git  3 a. Vacuuming?  1. Yes Continue in BOX BELOW  2. No GO TO Question #3 b (next page)	R N M 0 55 0 88 0 99
If yes to Question # 3 a:	
1. How many times in the past week?	□ QC □-5.R □-8.N □-9.M
2. Number of days since last done?	05 □-5.R □-8.N □-9.M
3. How long did you spend or were you near someone who was vacuuming?  Fill bubble for min. or hr.	Le(s)
4. Did you do this yourself? O Yes No Vac _ Dev 5	R N M O 55 O 88 O 99
Data Use 0 1 2 3 4 5 6 7 8 9 A B C D E F G H I	31450

Data Use

Only:

		PAGE 10
(Cor	tinued) In the past week, did you spend any time? or were you near anyone who	Adult Follow Up  OFFICE USE ONL
was.	? or were you near anyone who	STIGE OUE ONE
3 b.	Sweeping indoors?	
	<ul> <li>1. Yes Continue in BOX BELOW SWEEDING</li> <li>2. No GO TO Question #3 c (this page below)</li> </ul>	055 088 09
	If yes to Question # 3 b:	
	1. How many times in the past week?	□-5.R □-8.N □-5
	2. Number of days since last done?	, □-5.R □-8.N □-9
	3. How long did you spend or were you near someone who was sweeping indoors?  Fill bubble for min. or hr.	○55 ○88 ○
	4. Did you do this yourself? O No	0 55 O 88 O
3 c.	Ousting?  O 1. Yes Continue in BOX BELOW  O 2. No GO TO Question # 3 d (this page below)	R N O 55 O 88 O
	If yes to Question # 3 c:	
	1. How many times in the past week?	□Q □-512 □-810 □-9 □0
	2. Number of days since last done?	□-5.R □-&N □-5
	3. How long did you spend or were you near someone who was dusting?  Fill bubble for min. or hr.  DUST-Time Dust-Tim	□ Q □ Q 45.R □ - 88.N □ - 5 □ 0.55 ○ 888 ○
	4. Did you do this yourself? O No	0 55 0 88 O
3.4	Gardening?	
J <b>u</b> .	○ 1. Yes Continue in BOX BELOW Garden ○ 2. No GO TO Question #3 e (next page)	R N O 55 O 88 O
	- \ 1 2 0 /	L
	If yes to Question # 3 d:	
		□-5.R □-8N □-9
	If yes to Question #3 d:	□-5.R □-8.N □-9 □Q □-5.R □-8.N □-9
	1. How many times in the past week?	Q

0 1 2 3 4 5 6 7 8 9 A B C D E F G H I J

L		PAGE 11	
2 10		Adult Follow Up	
3. (Co.	ntinued) In the past week, did you spend any time? or were you near anyone who	OFFICE USE	ONL
was	S? Woodworking?		
J Ç.		R N	
	0 1. Yes Continue in BOX BELOW Woodwork	055 088	0
	O 2. No GO TO Question #3 f (this page below)		
	If yes to Question #3 e:		
	1. How many times in the past week? time(s)	)	□Q
		□-5.R □-8.N	º
	2. Number of days since last done? day(s)	-5.R8.N	
		Chit - BEN	
	someone who was woodworking?	○ 55 ○ 88	Ц-1 О
	Fill bubble for min. or hr. hour(s)		
	·	R N	
	4. Did you do this yourself? O Yes No Work Devs	055 088	0
	7555		
3 f.	Metal working/welding?		11 (12)
	O 1. Yes Continue in BOX BELOW	R N	_
	O 2. No GO TO Question #4 (this page below)	055 088	0
	If yes to Question #3 f:		
	1. How many times in the past week? The time(s)	□-5.R □-8.N	
	The Action		
	2. Number of days since last done? Methdays	□-5.R □-&N	
	3. How long did you spend or were you near Metitime Metil	1045 R - 88.N	<u> </u>
	someone who was metal working/welding?  Fill bubble for min. or hr.	O 55 O 88	0
	Fill bubble for min. or hr. O hour(s)	RN	
	4. Did you do this yourself? O Yes No Methers	055 088	0
	O No Metipers		
In th	e past week, did you spend any time? or were you near anyone who was?		
4 a.	Broiling, smoking, grilling, or barbecuing food? (indoor and/or outdoor)	R N	
	O 1. Yes Continue in BOX BELOW Broiling	O 55 O 88	0
	O 2. No GO TO Question # 4 b (next page)		
	If yes to Question # 4 a:		
	1. How many times in the past week? time(s)	□-5.R □-EN	
	2 Number of description of the Brooks is		
	2. Number of days since last done? day(s)	□-5.R □-8.N	□-
	3. Did you do this yourself? O Yes	R N	$\overline{}$
	O No Broipers	055 088	0
		-	
	Data Use 0 1 2 3 4 5 6 7 8 9 A B C D F F C W L	31450	
	Data Use   0 1 2 3 4 5 6 7 8 9 A B C D E F G H I J		

	PAGE 12
4. (Continued) In the past week, did you spend any time? or were you near anyone wi	ho OFFICE USE ONLY
4 b. Accidentally burning food while cooking?	
<ul> <li>1. Yes Continue in BOX BELOW</li> <li>2. No GO TO Question # 4 c (this page below)</li> </ul>	M N M O S S S S S S S S S S S S S S S S S S
If yes to Question # 4 b:	
1. How many times in the past week?	□-5.R □-2.N □-9.M
2. Number of days since last done?	
3. Did you do this yourself? ONO BF - PEVS	055 088 099
4 c. Grilling with charcoal or gas?	8 N M
<ul> <li>1. Yes Continue in BOX BELOW GYILLOW</li> <li>2. No GO TO Question # 4 d (this page below)</li> </ul>	055 088 099
If yes to Question # 4 c:	
1. How many times in the past week?	□QC □-538 □-829 □-934 □QC
2. Number of days since last done? Yes	P D-5R D-EN D-9M,
3. Did you do this yourself? O Yes No GVI PCVS	055 088 099
4 d. Cooking with a wood-burning or coal-burning stove?	
<ul> <li>1. Yes Continue in BOX BELOW COOK LOOK</li> <li>2. No GO TO Question # 5 (this page below)</li> </ul>	○55 ○88 ○99
If yes to Question # 4 d:	
1. How many times in the past week? time(s)	☐-5.R ☐-EN ☐-9.M ☐QC
2. Number of days since last done?	Z □-232 □-810 □-370
3. Did you do this yourself? O Yes No	0.55 0.88 0.99
5. During the past week, did you or anyone else park a car or other motor vehicle in:  Read choices and fill in ONE bubble.  NOT	
YES NO APPLICABLE	-
5 a. A garage attached to your home? Yes No No N/A	R N(det) M 055 088 099
5 b. A detached garage? O Yes No No No.	055 088 099
5 c. A carport attached to your home? O Yes No N/A	055 088 099
Data Use         0         1         2         3         4         5         6         7         8         9         A         B         C         D         E         F         G         H           Only:         0 <t< td=""><td>31450 I J</td></t<>	31450 I J

					PAGE 13 Adult Follow Up
he next questions a concerns. Again, we the study.	re about the food you at conly want to know abo	e, any medicines ut the <i>past week</i> ,	you took, and other while you were taki	health ing part	Add Mod? Add Mod Add Q-Q13
those drugs whi	ne names of any medic ch a doctor prescribed, or home medications.	ines you took du , any you choose	uring the <i>past week</i> yourself "over the	: Include e counter",	ON Adno-
For each medic	ation class, please shad	le bubble for YE	S or NO. <u>If YES</u> , I	ist the	P <sub>D</sub> 13-14
The technician	of each medication, the will review this with yo	t number taken t u and at that tim	his past week, and i	the dose.	□QC □-5555
1.00 100.00.00	Terser usas wan yo		().	b	Pp.13-14 □-8888 #units: C d □-9999
MEDICATION	MEDICATION	How many	AVERAGE	DOSE	□QC □ XX.R
CLASS	ТҮРЕ	times in past week?	Number of Units Taken EACH TIME:		<u>Pp 13-15</u>
a. Diuretics?	Brand:	Diwtim:	Diw/#actions:\	Diur_un O mg O mcg	Durch Durch
1	Med. Name:		Other Unit of	O r.n.	Die Cod I Diu
Yes Continue	Brand:	Diurtima	Measurement:	Diw.w	2 Duratz D
	2 Med. Name:	-   time(a)	,	O mcg	Divivion 7.3
O NoGO TO Q#6b	Brand:	- glaz time(s)	Other Unit of Measurement:	Diurun	
(below)	Med. Name:	- Diwtim3	,,,,,,	O mg	Juna 3 Jun
Diuretic	OR ON OM	time(s)	Other Unit of Measurement:		Diurcod3 Diu
	Brand:		· chelmun	11 11	HAN COUNTY
b. Chelating Agents?	Med. Name:	- Chestin	# of units:	O mg	cheloat I chel
(EDTA, Calcium Disodium	1 Ivica: Ivame:	time(s)	Other Unit of Measurement	O LU.	Leupo I de la
Versenate, Succimer, or Chemet?)	Brand:	Cheltin	7 # of units:	- omet	Who I
O Yes Continue	2 Med. Name:	time(s)	Other Unit of	O mcg	Wilcod Z In
(to right)	Brand:	Cheltim	Measurertenty   West of units:	m 3 chel	w13
	3 Med. Name:		[,	O mg O mcg O L.U.	30
(next p.)	OR ON OM	time(s)	Other Unit of Measurement:	-	Belood 3 Chel-
	<u> </u>			<u></u>	P. 000 0 00
Comments:				<del></del>	

				PAGE 14
6 (C 1) Pl	. 11	1		Adult Follow Up  OFFICE USE ONLY
MEDICATION CLASS	MEDICATION TYPE	How many times in past week?	AVERAGE DOSE  Number of Units Taken EACH TIME:  Measurement:	Add Mod? AND NOW !
6 c. Antacids? (Turns, Rolaids?) ANTACIOS	Brand:  Med. Name:	Antatim l	Antiacheritem   Anta-wing mg o mcg Other Unit of	Atarn Ina us
YesContinue (to right)	Brand:	Antation	Measurement:	z Antocatz Antobroz
<ul> <li>NoGO TO</li> <li>Q # 6 d</li> <li>(below)</li> </ul>	2 Med. Name:	time(s)	Other Unit of Measurement:	And the control of th
	Or ON OM			
6 d. Hormones?	Brand:  Med. Name:	Hormtim	← ○ mcg	Hormat 1 Normani
medication, birth control pills?) Hormones	Brand:	time(s)	Other Unit of Measurement:  2 HOWARAMSIUM Z HOVM	Horncod Blam us
YesContinue (to right)	2 Med. Name:	time(s)	Other Unit of mg	Hormadz Hormanz
○ NoGO TO Q #6 e (below)	Brand:	torntim	Measurement:  3 Now wanted LM3 HOVM J	the my dt 3 lormans
	3 Med. Name:	time(s)	Other Unit of Measurement:	Hormadalom us?
	OR ON OM			1.1.1
6 e. Other?	Brand:  Med. Name:	Medolim	Magaziam Magazia	
O YesContinue		time(s)	Other Unit of Measurement:  MEDERNIAN C MEDIUM	Letter of Marie and Marie
(to right)  Thermed  NoGO TO	2 Med. Name:	Medotim	mg mg mcg	
Q#7		time(s)	Other Unit of	@ledocod? Medo wo:
(next p.)	Brand:  Med. Name:	Medotin	3 Medicand Manager Man	ung Waxa 3 budo on
		time(s)	Other Unit of Measurement:	Marga Burga un
	Brand:  Med. Name:	Medotin	Mr Gurrand Mr Wor	ind Medical Chedra
	OR ON OM	time(s)	Other Unit of Measurement:	Middle W
Data Only	T T	5 6 7 8 9	A B C D E F G H I	31450

HHID:	FS: IRN:			PAGE 15
Please tell me wh	nether you took <u>any</u> vitami	ins or mineral s	upplements during the past	Adult Follow Up  OFFICE USE ONLY  Add Med.? Add Co.
brand and type	of each supplement, the i	number taken i	r YES or NO. <u>If YES</u> , list the this past week, and the dose. e can answer any questions.	○ Y
VITAMIN or MINERAL CLASS	VITAMIN or MINERAL SUPPLEMENT	How many times in past week?	AVERAGE DOSE  Number of Units Taken Unit of EACH TIME: Measurement	□QC □-5555.R P15 □-8888.N #units: □-9999.M
a Calcium	Brand:	Calime	Colcholorium Calc-M	representation
Supplement? Outlim Yes	Supplement Name:	time(s)	Other Unit of	ak cod čak-i
O No Go to 7 b	OR ON OM		Measurement:	.   •
h Colonium	Brand:	Seletime	Schofuniaum Selen	un Selencat selen
b. Selenium Supplement?	Supplement Name:	time(s)	Other Unit of	Selencod Sen
$ \begin{array}{cccc} \bigcirc & \text{Yes} & \longrightarrow \\ \bigcirc & \text{No} & & \text{Go to 7 c} \end{array} $	OR ON OM		Measurement:	- N Ano
	Brand:	hbyskinge	Chroof units: un Chrom-	UO ^ horomb
Supplement?	Supplement Name:	time(s)	Other Unit of	is oned in
○ Yes →   ○ NoGo to 7 d	OR ON OM	dille(s)	Measurement:	Chrom.
7 d. Multi-	Brand:	Multim.	1 Muditimum Mult. u	Mighter July
vitamins and all other	Supplement Name:	time(s)	Other Unit of	Autodi jul.
vitamin	Brand:	Multim 2	Measurement:  Mutching Mu - W	HULL STATELLE
and mineral	2 Supplement Name:		, o mg	MillodZ
supple- ments?		time(s)	Other Unit of Measurement:	
<i>Jultivit</i>	Brand:	Multim	3 Multinum 3 Mutur	3 Marca 3 Mar
O YesContinue (to right)	3 Supplement Name:	time(s)	Other Unit of	A STATE OF THE STA
O NoGO TO Q#8	Brand:	Multin	Measurement: 4 Muttorinistm 4 Muttal mg	MA HIMHOHA HAWA
(next p.)	4 Supplement Name:	-	o meg	
		time(s)	Other Unit of Measurement:	
	OR ON OM			
		u Xu	<u> </u>	31450
Data Use	0 1 2 3 4 5 6	7 8 9 A	B C D E F G H I .	

f you are female, please continue. Ot	OFFICE USE ONLY				
<del>-</del>					
Are you currently expecting a baby of	R N M				
0 1. Yes 0 2. No	R N M				
nswer Q # 9 only if you are NOT maintai					P16
Did you eat the following foods la study? Fill in ONE bubble for Y	st week, ES a= N	that is	, while you were p	participating in this	□QC □-5.R
study: The in OIVE bubble for 1.	ES OF IV	0. <i>1</i> J 1	If YES, please an		□-8.N □-9.M
	Did you eat How many				
FOODS	in past week? NO YES		times in / past week?	AVERAGE 2 PORTION / SIZE	3
9 a. Broccoli, cauliflower, or PW	No	Yes	Broctime	Broczant	R N M
Brussels sprouts?	0	0 -	time(s)	cup(s)	0 0 08/2000
9 b. Cabbage, cole slaw, or	) No	V	abotime	Capa-ant	O Portical
sauerkraut?	No O	Yes -	time(s)	cup(s)	0 0 00 1
1/115+ 21	3	1	Justime	Must-amt	OFestion
9 c. Mustard greens, collards, or Swiss chard?	No O	Yes -	time(s)	cup(s)	
Turnibon			Turntime	turn-amf	MUSTOPO
9 d. Turnips, or rutabagas	No	Yes	time(s)	cup(s)	R N M OPertical
<u> </u>	0	0 -	- inne(s)	cup(s)	
Grapf _ PW - 9 e. Grapefruit or grapefruit juice?	No	Yes	4:(-)		R N M OFartion
5 c. Grapen un or grapen un juice?	0	0 -	time(s)	Grap-ant	
		(	araptime	Other:	Grapopor
9 f. Alcoholic drinks (beer, wine,	No	Yes			R N M OPortion
liquor)?	ARA	200	ALLOFINE	drink(s)	000
9 g. Any foods that have been	BRA	- Du		Ouler.	A LOOPO
grilled, barbecued, or flame	A CO	-Yes	time(s)	ounce(s)	
broiled, smoked or blackened	0	0 7	BBQ_time	BBQ-ant	
by burning?	B60-00				
10. During the <i>past week</i> were you				weight or for any	
other reason? Fill in ONE bub	0 55 0 88 0 99				
© 1. 103	0000		5 P2. No	STOP	33 0 00 0 7
11. What diet or diets were you on?	Read	choices	and fill in bubbles	s of ALL THAT	
APPLY.  © 1. Weight loss or low ca	loria dise	,		; · 1	; R K N M
O 2. Low fat or cholestero		•		)	033 086 099
a - i . O 3. Low salt or sodium di		$\mathcal{T}$	iettype		
	ar diet	У	ierrajpe		
<ul><li>€ ○ 5. Low fiber diet</li><li>1 ○ 6. High fiber diet</li></ul>					
7. Diabetic diet	Dietocod				
. O 8. Any kind of vegetaria	n diet				la Vio -
9. Other (Specify:					
	_		ticipation!		