NATIONAL HEART, LUNG, AND BLOOD INSTITUTE
DIVISION OF EPIDEMIOLOGY AND CLINICAL APPLICATIONS

The Honolulu Heart Program Public Use Data Sets

The Honolulu Heart Program began in 1965 with the first examination of a cohort of 8006 Japanese-American men residing on the island of Oahu, Hawaii who were born during the period 1900-1919. They were identified from a roster of more than 23,000 men on the selective service registry for the Hawaiian islands for the period 1940-42 (1). The first examination was completed in 1968 and was followed by the initiation of a second examination that same year. This second examination, completed in 1970, collected data on 7498 men of the original cohort. Three subsequent sub-examinations (Lipoprotein Exams I, II and III) were conducted between 1970 and 1982 to collect lipid measurements on a subset of those who participated in Exam 2. The first of these comprised a 30% random sample of the entire cohort which participated in Examination 2 plus individuals with levels of serum triglyceride or serum total cholesterol in the highest decile in Exam 1, or who had a history of definite coronary heart disease (CHD) or cardiovascular disease at Exam 2 (2). Participants in Lipoprotein Exam I were invited for reexamination in Lipoprotein Exams II and III. Subsets of Exam 2 participants also completed questionnaires in 1970 that elicited information on acculturation (4653 subjects) and Jenkins Activity Survey (3027 subjects). A third examination of 6860 men of the original cohort was made during 1971-75. The fourth examination of surviving members of the original cohort was conducted during 1991-93 and collected data on 3845 men. With the exception of the third examination, these data collection efforts were supported entirely by contracts between the National Heart, Lung, and Blood Institute and the Kuakini Medical Center of Honolulu. The National Cancer Institute provided partial funding for Examination 3.

The HHP Public Use Data Set comprises twelve data files: four cohort examinations, three Lipoprotein sub-examinations, three questionnaire data files, and two surveillance files of deaths and morbid events which occurred during 1965-1994. A coding manual for each file provides variable names, the unit of measurement for measured values, and the meanings of codes for categorical variables. An identification number for each cohort member provides linkage between files. Ranges of values for measured quantities are included in the coding manuals. For certain variables, categories have been collapsed to prevent extreme, or unusual (rare) values from being utilized to identify individual cohort members. In all such cases, the corresponding variable is marked with an asterisk (*) in the coding manual and the specific details on how the variable values were modified are described. Age has been grouped to protect confidentiality.

The following are brief summaries of the contents of each of the twelve data files:

Examination 1 (1965-68, N=8,006 participants, average age 54.4)

Anthropometry values: weight, standing and sitting height, chest depth, bi-acromial diameter, bi-iliac diameter, upper left arm girth, grip strength each hand, left triceps skinfold, left subscapular skinfold. **Physical measures**: heart rate, blood pressure sitting, resting (13-lead) ECG, forced vital capacity (FVC) and forced expiratory volume in one second (FEV_1).

Chemistries: urine glucose and protein, hematocrit, casual serum total cholesterol, casual serum triglyceride, casual serum uric acid, one-hour postload serum glucose. **Medical History/Lifestyle**: medical history, history of CHD or stroke, Rose chest pain questionnaire, history of diabetes and medication for diabetes, physical activity index, cigarette smoking history, alcohol consumption history, occupation history. **Dietary**: ratio measure of Japanese food consumption to total food consumption, 24-hr. dietary recall, intake frequency of unusual foods. **Family history:** questionnaire responses.

Examination 2 (1967-70, N=7498 participants, average age 56.4)

Anthropometry and Physical Measures: same as for Exam 1. **Chemistries**: same as for Exam 1 except that casual serum glucose replaced 1-hr. postload serum glucose for a small subset. **Medical History/Lifestyle**: same as for Exam 1 except no questions on physical activity, alcohol consumption, or occupation. Questions on respiratory symptoms and disease. **Dietary**: a 7-day diet record.

Examination 3 (1971-74, N=6860 participants, average age 60.2)

Anthropometry: Weight and standing height. **Physical Measures**: Same as for Exams 1 and 2. **Chemistries**: Urine glucose and protein, hematocrit, casual serum total cholesterol. **Medical History/Lifestyle**: Same as for Exam 1 except no Rose questionnaire and no physical activity index. Questions on respiratory symptoms and disease and jogging.

Examination 4 (1991-93, N=3845 participants, average age 77.8)

Anthropometry: Weight, standing and sitting height, grip strength each hand, left triceps skinfold, left subscapular skinfold, waist circumference, hip circumference.
Physical measures: heart rate, blood pressure sitting/standing/supine, random zero blood pressure, ankle-arm blood pressure, resting electrocardiogram (ECG), FVC, FEV_1, hearing, vision. **Chemistries**: Hematocrit, fasting total plasma cholesterol, fasting HDL cholesterol, fasting LDL cholesterol, fasting VLDL cholesterol, fasting triglyceride, fasting serum glucose, fasting insulin, 2-hr glucose, 2-hr insulin, CBC, fibrinogen, stored WBC's (buffy coat for DNA). **Medical History/Lifestyle**: Medical history, occurrence of CHD or stroke, Rose chest pain questionnaire, history of diabetes and medication for diabetes, respiratory symptoms and disease, physical activity index, hours per week of regular exercise, number of blocks walked per day, number of stair flights climbed per day, cigarette smoking, alcohol consumption, questions on sleep and sleep apnea, performance-based physical function, activities of daily living (ADL) and instrumental ADL, prescription and over-the-counter medications, cognitive function. **Family History**: questionnaire responses. **Psychosocial**: Questions on social support and social networks.

Lipoprotein Exam I (1970-72, N=2780 participants, average age 58.4)

Chemistries: Fasting serum total cholesterol, fasting serum triglyceride, fasting plasma total cholesterol, fasting plasma HDL cholesterol, fasting plasma LDL cholesterol, fasting plasma VLDL cholesterol, fasting plasma triglyceride, fasting lipoprotein electrophoresis. Subsample measurements on SGOT, PBI, BUN, fasting serum glucose. **Medical History/Lifestyle**: Medical history, occurrence of CHD and stroke, history of diabetes and medication for diabetes, alcohol consumption. **Dietary**: Intake of 33 specific food items during previous day and past week.

Lipoprotein Exam II (1975-78, N=2386 participants, average age 63.8)

Anthropometry values:Weight. **Physical measures**: Heart rate, sitting blood pressure, resting ECG. **Chemistries**: Urine glucose, urine protein, hematocrit. Subsample fasting measurements on serum total cholesterol, serum triglyceride, plasma total cholesterol, plasma HDL cholesterol, plasma LDL cholesterol, plasma VLDL cholesterol, plasma triglyceride. **Medical History/Lifestyle**: Medical history, occurrence of CHD and stroke, Rose chest pain questionnaire, history of diabetes and medication for diabetes.

Lipoprotein Exam III (1980-82, N=2112 participants, average age 67.7)

Anthropometry values: Weight, standing height, left triceps skinfold, left subscapular skinfold. **Physical measures:** Heart rate, sitting blood pressure, resting ECG. **Chemistries**: Urine glucose and protein, hematocrit, fasting plasma total cholesterol, fasting plasma HDL cholesterol, fasting plasma triglyceride, subsample measurements on fasting plasma LDL cholesterol and fasting plasma VLDL cholesterol. **Medical History/Lifestyle**: Medical history, incidence of CHD and stroke, Rose chest pain questionnaire, history of diabetes and medication for diabetes, physical activity index, jogging practice, number of blocks walked per day, number of stair flights climbed per day, number of hours of light exercises per month, number of hours of strenuous exercises per month, cigarette smoking, alcohol consumption. **Dietary**: Ratio measure of Japanese food consumption to total food consumption, 24-hr. dietary recall, subsample 3-day diet record, frequency of salty foods intake during past week, frequency of calcium-rich foods intake during past week.

Acculturation Questionnaire (1971, N=4653 respondents)

The questions solicit information about the **cultural assimilation** of the family which includes ethnicity of employer, childhood and present friends, participation in Japanese social organizations, fluency in spoken and written Japanese, degree of usage of Japanese to communicate with friends and family members, observance of certain Japanese customs, and the ethnicity of their doctor, dentist, and lawyer. There is also a series of thirty-eight questions measuring the degree of agreement of the participant on statements about Japanese cultural values. The respondents represent 61 percent of the men who were mailed the questionnaire in August of 1971 and who had returned them by December 1971 (3).

Jenkins Activity Survey (1970, N=3027 participants)

A fifty-seven item questionnaire for a self evaluation of the participant's past and present **response to stress**, his level of stress in his job, and its manifestation in family and social settings. The subjects in this file represent a non-random subset of the entire cohort which participated in Exam 2.

CASI (Cognitive Abilities Screening Instrument) (1991,N=3845 respondents and participants)

The questions test for **cross-cultural epidemiological studies of dementia**. They include birthday, birth location, age, time, direction, repeat simple words, numbers, basic math, date, day, season, current location, animals, body parts and easy problem solving.

Surveillance Files (Mortality - H98, 1994, N=3848) (Morbidity - H20, N=12576)

Deaths and morbid events (initial and recurrent) which occurred through December, 1994 are recorded in these files. All cardiovascular events and all deaths have been coded by cause using the 8th ICD convention. Major morbid events which have been coded are: MI, angina, coronary insufficiency, thromboembolic and hemorrhagic stroke, sudden death within one hour. Criteria are published for coronary heart disease (4) and stroke (5). Other diagnostic (e.g. coronary angiography) and treatment (e.g. coronary artery bypass graft and angioplasty) information is also recorded.

Please note that the variable name in the documentation matches the label and is provided under a separate variable name. (For example H2004B - Enzyme evidence is coded as variable surv35 and labeled as mi by enzymes H2004b.)

References

1. Worth RM, Kagan A: Ascertainment of men of Japanese ancestry in Hawaii through World War II Selective Service registration. J Chronic Dis 1970;23:389-397.

2. Reed D, Yano K, Kagan A: Lipids and lipoproteins as predictors of coronary heart disease, stroke and cancer in the Honolulu Heart Program. Am J Med 1986;80:871-878.

3. Reed D, McGee D, Cohen J, et al: Acculturation and coronary heart disease among Japanese men in Hawaii. Am J Epidemiol 1982;115:894-905.

4. Kagan A, Popper JS, Rhoads GG: Factors related to stroke incidence in Hawaii Japanese men: The Honolulu Heart Study. Stroke 1980;11:14-21.

5. Yano K, Reed D, McGee D: Ten-year incidence of coronary heart disease in The Honolulu Heart Program: Relationship to biological and lifestyle characteristics. Am J Epidemiol 1984;119(5):653-666.

Questions about the Honolulu Heart Program files

Please direct any questions or problems to the Division of Epidemiology and Clinical Applications, Epidemiology and Biometry Program, Two Rockledge Centre, 6701 Rockledge Drive, MSC 7934, Bethesda, Maryland 20892-7934, (301) 435-0701 (phone), (301) 480-1667 (fax).

Exam1 Exam2 Exam3 Exam4 Lipoprotein 1 Lipoprotein 2 Lipoprotien 3
Jenkins Acculteration Casi Mortality (H98) Morbidity (H20)

CONTENTS OF CD-ROM

1) EXAM1.SD2	Honolulu exam1 data in SAS format
2) EXAM1.XPT	Honolulu exam1 data in XPORT format for use with SAS
3) EXAM1.DOC	Honolulu exam1 coding manual in msword 6.0/7.0
4) EXAM1.WPD	Honolulu exam1 coding manual in word perfect
5) EXAM2.SD2	Honolulu exam2 data in SAS format
6) EXAM2.XPT	Honolulu exam2 data in XPORT format for use with SAS
7) EXAM2DOC	Honolulu exam2 coding manual in msword 6.0/7.0
8) EXAM2.WPD	Honolulu exam2 coding manual in word perfect
9) EXAM3.SD2	Honolulu exam3 data in SAS format
10) EXAM3.XPT	Honolulu exam3 data in XPORT format for use with SAS
11) EXAM3.DOC	Honolulu exam3 coding manual in msword 6.0/7.0
12) EXAM3.WPD	Honolulu exam3 coding manual in word perfect
13) EXAM4.SD2	Honolulu exam4 data in SAS format
14) EXAM4.XPT	Honolulu exam4 data in XPORT format for use with SAS
15) EXAM4.DOC	Honolulu exam4 coding manual in msword 6.0/7.0
16) EXAM4.WPD	Honolulu exam4 coding manual in word perfect
17) LIPO1.SD2	Honolulu lipo1 data in SAS format
18) LIPO1.XPT	Honolulu lipo1 data in XPORT format for use with SAS
19) LIPO1.DOC	Honolulu lipo1 coding manual in msword 6.0/7.0
20) LIPO1.WPD	Honolulu lipo1 coding manual in word perfect
21) LIPO2.SD2	Honolulu lipo2 data in SAS format
22) LIPO2.XPT	Honolulu lipo2 data in XPORT format for use with SAS
23) LIPO2.DOC	Honolulu lipo2 coding manual in msword 6.0/7.0
24) LIPO2.WPD	Honolulu lipo2 coding manual in word perfect
25) LIPO3.SD2	Honolulu lipo3 data in SAS format
26) LIPO3.XPT	Honolulu lipo3 data in XPORT format for use with SAS
27) LIPO3.DOC	Honolulu lipo3 coding manual in msword 6.0/7.0
28) LIPO3.WPD	Honolulu lipo3 coding manual in word perfect
29) JENKINS.SD2	Honolulu jenkins data in SAS format
30) JENKINS.XPT	Honolulu jenkins data in XPORT format for use with SAS
31) JENKINS.DOC	Honolulu jenkins coding manual in msword in 6.0/7.0
32) JENKINS.WPD	Honolulu jenkins coding manual in word perfect

33) ACCULT.SD2	Honolulu accult data in SAS format
34) ACCULT.XPT	Honolulu accult data in XPORT format for use with SAS
35) ACCULTDOC	Honolulu accult coding manual in msword 6.0/7.0
36) ACCULT.WPD	Honolulu accult coding manual in word perfect
37) CASI.SD2	Honolulu casi data in SAS format
38) CASI.XPT	Honolulu casi data in XPORT format for use with SAS
39) CASI.DOC	Honolulu casi coding manual in msword 6.0/7.0
40) CASI.WPD	Honolulu casi coding manual in word perfect
41) H98MAST.SD2	Honolulu h98mast (mortality) data in SAS format
42) H98MAST.XPT	Honolulu h98mast (mortality) data in XPORT format for use with SAS
43) H98MAST.DOC	Honolulu h98mast (mortality) coding manual in msword 6.0/7.0
44) H98MAST.WPD	Honolulu h98mast (mortality) coding manual in word perfect
45) SURVDOC.DOC	Honolulu h98 (mortality) form, and h20 (morbidity) code sheet in msword 6.0/7.0
46) SURVDOC.WPD	Honolulu h98 (mortality) form, and h20 (morbidity) code sheet in word perfect
47) H20MAST.SD2	Honolulu h20mast (morbidity) data in SAS format
48) H20MAST.XPT	Honolulu h20mast (morbidity) data in XPORT format for use with SAS
49) H20MAST.DOC	Honolulu h20mast (morbidity) coding manual in msword 6.0/7.0
50) H20MAST.WPD	Honolulu h20mast (morbidity) coding manual in word perfect
51) SURVEILL.PDF	Honolulu surveillance and outcome documentation
52) README.DOC	This documentation - description of installation in msword 6.0/7.0
53) README.WPD	This documentation - description of installation in word perfect
54) HHPPUBS1DOC	Honolulu bibliography of Honolulu Heart Program in msword 6.0/7.0
55) HHPPUBS1.WPD	Honolulu bibliography of Honolulu Heart Program in word perfect

How to install The Honolulu study. EXAM1.XPT will be an example for all XPT datasets.

The export file, EXAM1.XPT, is a copy of the Honolulu exam1 data that is designed to be able to reside on any computer's file system, or to be communicated through any electronic connection between computers, via e-mail, modem, or ftp. Although it is in a very general, very transportable format, the export file needs to be converted into a SAS system file on a local computer before use. We are including instructions on how to install the data on a PC type system with MSDOS or Windows capability. These instructions can easily be modified for other systems.

Installation Guidelines

System requirements

1) A CD-ROM drive with these twelve xport data sets require 42 MB of hard disk space. The sas versions and coding manuals require an additional 58 MB.
2) Access to the Statistical Analysis System (SAS) software package for PC or on a mainframe.

FOR COMPUTER SYSTEMS NOT ABLE TO USE THE SUPPLIED .SD2 SAS FORMAT

In the following instructions, the following is assumed:

1) The CD-ROM drive is assigned the letter D:.
2) The hard drive is assigned the letter C.
3) The directory you want to store the data in is called C:\honolulu.

The following program will generate a SAS system file from the EXAM1 XPORT file, assuming it is located on the CD-ROM.:

```
libname in1 xport 'd:\exam1.xpt';
libname out1 'c:\honolulu\';
proc copy in=in1  out=out1;                    /*  Create a permanent file    */

proc contents data=out1;                       /* The two left SAS statements will create output */
proc freq data=out1.exam1; tables ha61 ha62 ha63 ha98;
                                               /* which can be compared to the output included */
run;                                           /* after these instructions/*
```

At the conclusion of this operation point, you will have copied
and translated twelve files onto your hard drive to an SD2 SAS format.

The 1st is a SAS file, of the Honolulu exam one file.
This file (EXAM1) contains 8006 observations and 413 variables.

The 2th is a SAS file, of the Honolulu exam two file.
This file (EXAM2) contains 7498 observations and 241 variables.

The 3rd is a SAS file, of the Honolulu exam three file.
This file (EXAM3) contains 6860 observations and 387 variables.

The 4th is a SAS file, of the Honolulu exam four file.
This file (EXAM4) contains 3845 observations and 1094 variables.

The 5th is a SAS file, of the Honolulu lipoprotein one file.
This file (LIPO1) contains 2780 observations and 114 variables.

The 6th is a SAS file, of the Honolulu lipoprotein two file.
This file (LIPO2) contains 2386 observations and 164 variables.

The 7th is a SAS file, of the Honolulu lipoprotein three file.
This file (LIPO3) contains 2112 observations and 221 variables.

The 8th is a SAS file, of the Honolulu jenkins file.
This file (JENKINS) contains 3027 observations and 60 variables.

The 9th is a SAS file, of the Honolulu acculturation file.
This file (ACCULT) contains 4653 observations and 81 variables.

The 10th is a SAS file, of the Honolulu casi file.
This file (CASI) contains 3845 observations and 60 variables.

The 11th is a SAS file, of the Honolulu h98mast (mortality) file.
This file (H98MAST) contains 3848 observations and 47 variables.

The 12th is a SAS file, of the Honolulu h20mast (surveillance) file.
This file (H20MAST) contains 12576 observations and 61 variables.

CONTENTS PROCEDURE

Data Set Name: OUT1.EXAM1 Observations: 8006
Member Type: DATA Variables: 413
Engine: V612 Indexes: 0
Created: 10:42 Monday, March 13, 2000 Observation Length: 1347
Last Modified: 10:42 Monday, March 13, 2000 Deleted Observations: 0
Protection: Compressed: NO
Data Set Type: Sorted: NO
Label:

-----Engine/Host Dependent Information-----

Data Set Page Size: 16384
Number of Data Set Pages: 671
File Format: 607
First Data Page: 4
Max Obs per Page: 12
Obs in First Data Page: 10

-----Alphabetic List of Variables and Attributes-----

#	Variable	Type	Len	Pos	Label
29	HA2	Num	3	116	OAHU RESIDENTIAL CODE(1:12-13)
24	HA3	Num	3	101	MONTH OF BIRTH (FROM SSAS)
25	HA4	Num	3	104	DAY OF BIRTH (FROM SSAS)
26	HA5	Num	3	107	YEAR OF BIRTH (FROM SSAS)
30	HA6	Num	3	119	WT(KG) ON SELECTIVE SERVICE(1:18-19)
31	HA7	Num	3	122	WT TO NEAREST KG AT AGE 25(1:62-63)
32	HA8	Num	3	125	JAPANESE DIET ITEMS(1:67-68)
33	HA9	Num	3	128	NEUTRAL DIET ITEMS(1:69-70)
34	HA10	Num	3	131	WESTERN DIET ITEMS(1:71-72)
35	HA11	Num	3	134	INTERVIEWER (2:14)
36	HA12	Num	3	137	EXAM DATE-MONTH (2:15-16)
37	HA13	Num	3	140	EXAM DATE-DAY (2:17-18)
38	HA14	Num	3	143	EXAM DATE-YEAR (2:19-20)
39	HA15	Num	3	146	PRESENT ADDRESS (2:21-22)
40	HA16	Num	3	149	PLACE OF BIRTH (2:23-24)
41	HA17	Num	3	152	PRESENT RESIDENCE(2:25-26)
42	HA18	Num	3	155	BIRTHPLACE 1-TOWN 2-COUNTRY(2:29)
43	HA19	Num	3	158	PRESENT RESID.SEE S44 CODE(2:30)
44	HA20	Num	3	161	LONGEST RESID.SEE S44 CODE(2:31)
45	HA21	Num	3	164	YRS LIVED IN PLACE OF BIRTH(2:32-33)
46	HA22	Num	3	167	YRS LIVED IN PRESENT RESID.(2:34-35)
47	HA23	Num	3	170	YRS LIVED IN LONGEST RESID.(2:36-37)
48	HA24	Num	3	173	AGE MOVED TO HI (2:38-39)
49	HA25	Num	3	176	AGE LEFT PARENTS HOME (2:40-41)
50	HA26	Num	3	179	PRESENT OCCUPATION (2:42)
51	HA27	Num	3	182	YRS SPENT IN PRESENT JOB(2:43-44)
52	HA28	Num	3	185	USUAL JOB (2:45)
53	HA29	Num	3	188	YRS IN USUAL JOB (2:46-47)
54	HA30	Num	3	191	HAD A REGULAR JOB ON PLANTATION?(2:48)

55	HA31	Num	3	194	YRS WORKED ON PLANTATION (2:49-50)
56	HA32	Num	3	197	PRESENT MARITAL STATUS(2:51)
57	HA33	Num	3	200	AGE AT FIRST MARRIAGE(2:52-53)
58	HA34	Num	3	203	PRESENT AGE OF WIFE (2:54-55)
59	HA35	Num	3	206	TOTAL NUMBER OF CHILDREN(2:56-57)

CONTENTS PROCEDURE

#	Variable	Type	Len	Pos	Label
60	HA36	Num	3	209	# OF CHILDREN LIVING (2:58-59)
61	HA37	Num	3	212	WIFE PRESENT JOB (2:60)
62	HA38	Num	3	215	SMOKE CIGARRETES NOW?(2:61)
63	HA39	Num	3	218	CIGARETTES PER DAY (2:62-63)
64	HA40	Num	3	221	YRS SMOKED (2:64-65)
65	HA41	Num	3	224	REGULAR SMOKER IN THE PAST?(2:66)
66	HA42	Num	3	227	PAST MAX NO. CIG. PER DAY?(2:67-68)
67	HA43	Num	3	230	YRS SMOKED THAT MAX. NO.?(2:69-70)
68	HA44	Num	3	233	AGE STOPPED SMOKING?(2:71-72)
69	HA45	Num	3	236	STARTING AGE OF CIG.SMOKING(2:73-74)
70	HA46	Num	3	239	RECENT SMOKING HABIT (2:75)
71	HA47	Num	3	242	PROPORTION OF CIGARETTE SMOKED(2:76)
72	HA48	Num	3	245	NON-CIGARETTE TOBACCO SMOKER?(2:77)
73	HA49	Num	3	248	HOUSING (3:12)
74	HA50	Num	3	251	NO. OF BEDROOMS (3:13)
75	HA51	Num	3	254	NO. OF PERSONS IN HOUSEHOLD(3:14)
76	HA52	Num	3	257	HAVE A PHONE IN HOUSEHOLD?(3:15)
77	HA53	Num	3	260	HIGHEST SCHOOL ATTENDED (3:16)
78	HA54	Num	3	263	WENT JAPANESE LANGUAGE SCHOOL?(3:17)
79	HA55	Num	3	266	SPEAK JAPANESE?(3:18)
80	HA56	Num	3	269	READ OR WRITE JAPANESE?(3:19)
81	HA57	Num	3	272	RELIGION (3:20)
82	HA58	Num	3	275	WW2 MILITARY SERVICE?(3:21)
83	HA59	Num	3	278	REASON FOR NOT IN SERVICE (3:22)
84	HA60	Num	3	281	DIETARY INTERVIEWER (3:23)
85	HA61	Num	3	284	FOOD LIKE BEST (3:24)
86	HA62	Num	3	287	HOW HOT DO YOU LIKE YOUR FOOD(3:25)
87	HA63	Num	3	290	USE SHOYU OR SALT AT TABLE?(3:26)
88	HA64	Num	3	293	PRESENT DIET TYPE(3:27)
89	HA65	Num	3	296	1940 DIET TYPE (3:28)
90	HA66	Num	3	299	HOW OFTEN DO YOU EAT:RICE(3:29)
91	HA67	Num	3	302	:BREAD (3:30)
92	HA68	Num	3	305	:SOBA (3:31)
93	HA69	Num	3	308	:UDON (3:32)
94	HA70	Num	3	311	:FISH(3:33)
95	HA71	Num	3	314	:HAM,BACON(3:34)
96	HA72	Num	3	317	:MEAT (3:35)
97	HA73	Num	3	320	:BUTTER,MARGARINE OR CHEESE(3:36)
98	HA74	Num	3	323	:EGG (3:37)
99	HA75	Num	3	326	:MISO SOUP (3:38)
100	HA76	Num	3	329	:FRIED VEGATABLE (3:39)
101	HA77	Num	3	332	:TOFU (3:40)
102	HA78	Num	3	335	:MILK (3:41)
103	HA79	Num	3	338	:NORI OR OTHER SEAWEEDS (3:42)

104	HA80	Num	3	341	:PICKLES (3:43)
105	HA81	Num	3	344	:TSUKUDANI (3:44)
372	HA82	Num	3	1214	:GREEN TEA (3:45)
373	HA83	Num	3	1217	:BLACK TEA (3:46)
106	HA84	Num	3	347	:COFFEE (3:47)
107	HA85	Num	3	350	:PASTRY (3:48)
108	HA86	Num	3	353	:FRUIT (3:49)
109	HA87	Num	3	356	:ICE CREAM (3:50)
110	HA88	Num	3	359	:CANDY,JELLY OR SODA (3:51)
111	HA89	Num	4	362	DRINK WINE NOW?OZ./MO.(3:52-54)

CONTENTS PROCEDURE

#	Variable	Type	Len	Pos	Label
112	HA90	Num	3	366	YRS DURATION (3:55-56)
113	HA91	Num	4	369	DRINK BEER NOW?OZ./MO. (3:57-60)
114	HA92	Num	3	373	YRS DURATION (3:61-62)
115	HA93	Num	4	376	DRINK LIQUOR NOW?OZ./MO. (3:63-65)
116	HA94	Num	3	380	YRS DURATION (3:66-67)
117	HA95	Num	3	383	ON JOB PHYSICAL ACTIVITY (3:68)
118	HA96	Num	3	386	OFF JOB PHYSICAL ACTIVITY (3:69)
119	HA97	Num	3	389	HRS SPENT-NO ACTIVITY (3:70-71)
120	HA98	Num	3	392	HRS SPENT-SEDENTARY ACTIVITY(3:72-73)
121	HA99	Num	3	395	HRS SPENT-SLIGHT ACTIVITY (3:74-75)
122	HA100	Num	3	398	HRS SPENT-MODERATE ACTIVITY (3:76-77)
123	HA101	Num	3	401	HEAVY ACTIVITY-HRS SPENT (3:78-79)
124	HA102	Num	3	404	BIRTH PLACE OF FATHER (4:12-13)
125	HA103	Num	3	407	BIRTH PLACE OF MOTHER (4:14-15)
374	HA104	Num	3	1220	USUAL JOB OF FATHER (4:16)
375	HA105	Num	3	1223	USUAL JOB OF MOTHER (4:17)
376	HA106	Num	3	1226	FATHER ALIVE OR DEAD (4:18)
377	HA107	Num	3	1229	MOTHER ALIVE OR DEAD (4:19)
126	HA108	Num	3	410	AGE OF FATHER NOW OR AT DEATH(4:20-21)
127	HA109	Num	3	413	AGE OF MOTHER NOW OR AT DEATH(4:22-23)
128	HA110	Num	4	416	CAUSE OF DEATH OF FATHER(4:24-26)
129	HA111	Num	4	420	CAUSE OF DEATH OF MOTHER(4:27-29)
130	HA112	Num	3	424	PARENTS DIAGNOSED HEART ATTACK?(4:30)
131	HA113	Num	3	427	FATHER AGE-1ST DX HEART ATTACK(4:31-32)
132	HA114	Num	3	430	MOTHER AGE-1ST DX HEART ATTACK(4:33-34)
133	HA115	Num	3	433	PARENTS DIAGNOSED STROKE(4:35)
134	HA116	Num	3	436	FATHER AGE-1ST DX STROKE (4:36-37)
135	HA117	Num	3	439	MOTHER AGE-1ST DX STROKE (4:38-39)
136	HA118	Num	3	442	PARENTS HX OF OTHER HEART DISEASE(4:40)
137	HA119	Num	3	445	PARENTS HX OF DIABETES MELLITUS (4:41)
138	HA120	Num	3	448	PARENTS HX OF HIGH BLOOD PRESSURE (4:42)
139	HA121	Num	3	451	PARENTS HX OF KIDNEY DISEASE (4:43)
140	HA122	Num	3	454	ARE YOUR PARENTS BLOOD RELATIVES (4:44)
141	HA123	Num	3	457	NO. OF OLDER BROTHERS (4:45)
142	HA124	Num	3	460	NO. OF YOUNGER BROTHER (4:46)
143	HA125	Num	3	463	NO. OF OLDER SISTERS (4:47)
144	HA126	Num	3	466	NO. OF YOUNGER SISTERS (4:48)
145	HA127	Num	3	469	MED HX-SCARLET FEVER (4:49)
146	HA128	Num	3	472	MED HX-THYROID DISEASE (4:50)

147	HA129	Num	3	475	MED HX-GOUT (4:51)
148	HA130	Num	3	478	MED HX-DIABETES MELLITUS (4:52)
149	HA131	Num	3	481	MED HX-HIGH BLOOD PRESSURE(4:53)
150	HA132	Num	3	484	HIGH BLOOD PRESS. TREATMENT NOW?(4:54)
151	HA133	Num	3	487	MED HX-STROKE (4:55)
152	HA134	Num	3	490	MED HX-RHEUMATIC FEVER (4:56)
153	HA135	Num	3	493	MED HX-HEART ATTACTK (4:57)
154	HA136	Num	3	496	MED HX-ANGINA PECTORIS (4:58)
155	HA137	Num	3	499	MED HX-OTHER HEART DISEASE (4:59)
156	HA138	Num	4	502	WT(LBS) AT AGE 25 (4:60-62)
378	HA139	Num	3	1232	USE OF HYPOCHOLESTEROLEMIC AGENT (4:63)
379	HA140	Num	3	1235	USE OF THYROID DRUGS (4:64)
157	HA141	Num	3	506	PRESENTLY ON CVD DRUGS? (4:65)
158	HA142	Num	3	509	HAVE CHEST PAIN WHEN WALKING?(4:66)
159	HA143	Num	3	512	HAVE CHEST PAIN> 3 TIMES?(4:67)

CONTENTS PROCEDURE

#	Variable	Type	Len	Pos	Label
160	HA144	Num	3	515	EFFORT PAIN SUMMARY(4:68)
161	HA145	Num	3	518	SEVERE CHEST PAIN >=1/2 HR?(4:69)
162	HA146	Num	3	521	CLAUDICATION SUMMARY (4:70)
163	HA147	Num	4	524	PHYSICAL ACTIVITY INDEX (4:71-73)
164	HA148	Num	4	528	WEIGHT(LBS) (5:12-14)
165	HA149	Num	3	532	STANDING HEIGHT(INCH) (5:15-16)
166	HA150	Num	3	535	SITTING HEIGHT(INCH) (5:17-18)
167	HA151	Num	3	538	CHEST DEPTH(CM) (5:19-20)
168	HA152	Num	3	541	BIACROMIAL DIAMETER(CM) (5:21-22)
169	HA153	Num	3	544	BI-ILIAC DIAMETER(CM) (5:23-24)
170	HA154	Num	4	547	TOTAL VITAL CAPACITY(LITERS)(5:25-26)
171	HA155	Num	4	551	1ST SEC VITAL CAPACITY(LITER)(5:27-28)
172	HA156	Num	4	555	DYNAMOMETER TEST-RIGHT(KG) (5:29-30)
173	HA157	Num	4	559	DYNAMOMETER TEST-LEFT(KG)(5:31-32)
174	HA158	Num	4	563	SKINFOLD-LEFT TRICEPS(MM)(5:33-34)
175	HA159	Num	4	567	SKINFOLD-LEFT SUBSCAPULAR(MM)(5:35-36)
176	HA160	Num	4	571	GIRTH-LEFT UPPER ARM(MM)(5:37-39)
177	HA161	Num	3	575	URINE-GLUCOSE (5:40)
178	HA162	Num	3	578	URINE-PROTEIN (5:41)
179	HA163	Num	3	581	HRS SINCE LAST CALORIC INTAKE(5:42-43)
180	HA164	Num	3	584	BLOOD SERUM (5:44)
181	HA165	Num	3	587	HEMATOCRIT (5:45-46)
182	HA166	Num	3	590	ELAPSED TIME (MIN)(5:47-49)
183	HA167	Num	4	593	BLOOD-GLUCOSE(MG%)(5:50-52)
184	HA168	Num	4	597	SERUM CHOLESTEROL(MG%)(5:53-55)
185	HA169	Num	4	601	URIC ACID (MG%) (5:59-61)
186	HA170	Num	4	605	RANDOM TRIGLYCERIDE(MG%)(5:62-64)
187	HA171	Num	4	609	PONDERAL INDEX (5:68-70)
188	HA172	Num	4	613	RELATIVE WEIGHT(%)(5:71-74)
189	HA173	Num	3	617	CALCULATED AGE AT 1ST EXAM(5:77-78)
190	HA174	Num	3	620	GASTRECTOMY STATUS (5:79)
191	HA175	Num	4	623	NURSE SYSTOLIC-1ST READING(6:12-14)
192	HA176	Num	4	627	NURSE DIASTOLIC-1ST READING(6:15-17)
193	HA177	Num	4	631	NURSE SYSTOLIC-2ND READING(6:18-20)

194	HA178	Num	4	635	NURSE DIASTOLIC-2ND READING(6:21-23)
195	HA179	Num	4	639	PHYSICIAN SYSTOLIC (6:24-26)
196	HA180	Num	4	643	PHYSICIAN DIASTOLIC (6:27-29)
197	HA181	Num	3	647	DX IMPRESSION-HYPERTENSION (6:53)
198	HA182	Num	3	650	DX -HYPERTENSIVE HEART DISEASE (6:54)
199	HA183	Num	3	653	DX IMPRESSION-ANGINA (6:55)
200	HA184	Num	3	656	DX IMPRESS.-CORONARY INSUFFICIENCY(6:56)
201	HA185	Num	3	659	DX IMPRESS.-MYOCARDIAL INFARCTION(6:57)
202	HA186	Num	3	662	DX -CEREBROVASCULAR ACCIDENT (6:58)
203	HA187	Num	3	665	DX IMPRESSION-CONGESTIVE FAILURE(6:59)
204	HA188	Num	3	668	DX IMPRESSION-OTHER CVD (6:60)
205	HA189	Num	3	671	CAROTID BRUIT (6:79)
206	HA190	Num	3	674	WHOLE MILK-1 OZ (7:12-13)
207	HA191	Num	3	677	SKIM MILK-4 OZ (7:14)
208	HA192	Num	3	680	ICE CREAM-1/2 CUP(7:15)
209	HA193	Num	3	683	ICE MILK-1/2 CUP (7:16)
210	HA194	Num	3	686	POWDERED MILK SUBSTITUE-1 TSP (7:17)
211	HA195	Num	3	689	CHEESE-1 OZ (7:18)
212	HA196	Num	3	692	EGG-1 (7:19)
213	HA197	Num	3	695	BEEF,VEAL,LAMB-1 OZ.(7:20-21)

CONTENTS PROCEDURE

#	Variable	Type	Len	Pos	Label
214	HA198	Num	3	698	CHICKEN,TURKEY-1 OZ.(7:22)
215	HA199	Num	3	701	FRESH PORK-1 OZ.(7:23)
216	HA200	Num	3	704	HAM-1 OZ. (7:24)
217	HA201	Num	3	707	COOKED BACON-1 SLICE (7:25)
218	HA202	Num	3	710	MED.FAT SAUSAGE-1 OZ (7:26)
219	HA203	Num	3	713	LEAN COOKED FISH-1 OZ (7:27)
220	HA204	Num	3	716	4% FAT COOKED FISH-1 OZ.(7:28)
221	HA205	Num	3	719	RAW FISH-1 OZ.(7:29)
222	HA206	Num	3	722	SHELLFISH-1 OZ.(7:30)
223	HA207	Num	3	725	KAMOBOKO-1/2 OZ.(7:31)
224	HA208	Num	3	728	COOKED RICE-1/2 CUP(7:32-33)
225	HA209	Num	3	731	JAP. OR AM.NOODLES-1/2 CUP (7:34)
226	HA210	Num	3	734	CEREAL 1/2 CUP OR 1 OZ. (7:35)
227	HA211	Num	3	737	BREAD OR CRACKER-1 SLICE (7:36)
228	HA212	Num	3	740	PIE CRUST-1/6 PIE(7:37)
229	HA213	Num	3	743	TOFU-1/4 CUP (7:38)
230	HA214	Num	3	746	MISO-1 TSP (7:39)
231	HA215	Num	3	749	DRIED BEANS COOKED-1/4 CUP (7:40)
232	HA216	Num	3	752	SHOYU-1 TSP (7:41)
233	HA217	Num	3	755	PEANUT BUTTER-1 TSP (7:42)
234	HA218	Num	3	758	STARCHY VEGETABLES-1/2 CUP (7:43)
235	HA219	Num	3	761	COOKED VEG.-1/2 CUP (7:44)
236	HA220	Num	3	764	COOKED & RAW VEG. (7:45)
237	HA221	Num	3	767	SALTED JAPANESE VEG.-1 OZ(7:46)
238	HA222	Num	3	770	LOW CHOL.-FRUIT-1/2 CUP(7:47)
239	HA223	Num	3	773	>12% CHOL-FRUIT-1/2 CUP(7:48)
240	HA224	Num	3	776	WITH SUGAR FRUIT-1/2 CUP(7:49)
241	HA225	Num	3	779	COTTONSEED OIL-1 TSP (7:50)
242	HA226	Num	3	782	SAFFLOWER OIL-1 TSP (7:51)

243	HA227	Num	3	785	CORN OIL-1 TSP (7:52)
244	HA228	Num	3	788	BUTTER-1 TSP (7:53)
245	HA229	Num	3	791	MARGARINE(P:S<1)-1 TSP(7:54)
246	HA230	Num	3	794	MAYONNAISE-1 TSP (7:56-57)
247	HA231	Num	3	797	BACON FAT-1 TSP (7:58)
248	HA232	Num	3	800	BEEF GRAVY-1 TSP (7:59)
249	HA233	Num	3	803	SUGAR-1 TSP (7:60)
250	HA234	Num	3	806	JELLY,JAM-1 TSP (7:61)
251	HA235	Num	3	809	DANISH PASTRY-25 GMS (7:62)
252	HA236	Num	3	812	PLAIN CAKE-60 GMS (7:63)
253	HA237	Num	3	815	PUDDING+CREAM-1/4 CUP (7:64)
254	HA238	Num	3	818	TEA-4 OZ. CUP (7:65)
255	HA239	Num	3	821	COFFEE-4 OZ (7:66-67)
256	HA240	Num	3	824	COLA BEVERAGE-6 OZ (7:68)
257	HA241	Num	3	827	CARBONATED BEVERAGE-6 OZ (7:69)
258	HA242	Num	3	830	BEER-12 OZ (7:70-71)
259	HA243	Num	3	833	RECORD # OF OTHER FOODS ON PG 3 (7:72)
260	HA244	Num	3	836	YESTERDAY WAS (7:73)
261	HA245	Num	3	839	DEGREE OF YESTERDAY INTAKE (7:74)
262	HA246	Num	3	842	# OF MEALS YESTERDAY (7:75)
263	HA247	Num	3	845	# OF SNACKS YESTERDAY (7:76)
264	HA248	Num	3	848	COMPARATIVE SIZE OF YEST MEAL (7:77)
265	HA249	Num	3	851	TIME THE LARGE MEAL EATEN (7:78)
266	HA250	Num	3	854	DIETICIAN CODE (7:79)
267	HA251	Num	4	857	VENTRICULAR RATE (8:18-20)

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#	Variable	Type	Len	Pos	Label
268	HA252	Num	3	861	PR INTERVAL (8:21-22)
269	HA253	Num	3	864	QRS INTERVAL (8:23-24)
270	HA254	Num	3	867	QT INTERVAL (8:25-26)
271	HA255	Num	3	870	PREMATURE BEATS (8:27)
272	HA256	Num	3	873	TACHYCARDIA (8:28)
273	HA257	Num	3	876	ATRIAL FIBRILLATION (8:29)
274	HA258	Num	3	879	OTHER ABNORMALITY OF RHYTHM(8:30)
275	HA259	Num	3	882	AV BLOCK (8:31)
276	HA260	Num	3	885	IV BLOCK (8:32)
277	HA261	Num	3	888	PROLONGED QT INTERVAL (8:34)
278	HA262	Num	3	891	P WAVE ABNORMALITY (8:35)
279	HA263	Num	3	894	HIGH VOLTAGE QRS (8:36)
280	HA264	Num	3	897	PATTERN SUGGEST LVH (8:37)
281	HA265	Num	3	900	PATTERN SUGGEST LVS (8:38)
282	HA266	Num	3	903	PATTERN SUGGEST RVH (8:39)
283	HA267	Num	3	906	NON-SPEC. ST-J (8:40)
284	HA268	Num	3	909	NON-SPEC. T WAVE ABNORMALITY(8:41)
285	HA269	Num	3	912	MYOCARDIAL ISCHEMIA (8:42)
286	HA270	Num	3	915	MI POSITIVE (8:43-44)
287	HA271	Num	3	918	MI DOUBTFUL (8:45)
288	HA272	Num	3	921	OTHER MI POSSIBLE (8:46)
289	HA273	Num	3	924	AXIS DEVIATION (8:47)
290	HA274	Num	3	927	OTHER ABNORMALITY (8:48)
291	HA275	Num	3	930	POPULATION AT RISK FOR CHD (8:49)

292	HA276	Num	3	933	2-YR INCIDENCE OF CHD (8:50)
293	HA277	Num	3	936	2-YR INCIDENCE OF AGINA (8:51)
294	HA278	Num	3	939	2-YR INCIDENCE OF CI (8:52)
295	HA279	Num	3	942	2-YR INCIDENCE OF MI (8:53)
296	HA280	Num	4	945	MINN. READING-VENT.RATE (8:54-56)
380	HA281	Num	3	1238	MINN-SIGN OF AXIS (8:57)
381	HA282	Num	3	1241	MINN-AXIS (8:58-60)
297	HA283	Num	3	949	MINN-QRS ITEMS (8:61-62)
298	HA284	Num	3	952	MINN-AXIS DEVIATON (8:63)
299	HA285	Num	3	955	MINN-HIGH AMPLITUD E R WAVE (8:64)
300	HA286	Num	3	958	MINN-ST JUNCTION &SEG. DEPRESSION(8:65)
301	HA287	Num	3	961	MINN-T WAVE ITEMS (8:66)
302	HA288	Num	3	964	MINN-AV CONDUCTION DEFECT (8:67)
303	HA289	Num	3	967	MINN-VENT.CONDU CTION DEFECT (8:68)
304	HA290	Num	3	970	MINN ARRHYTH MIA (8:69)
305	HA291	Num	3	973	MINN ARRHYTH MIA (8:70)
306	HA292	Num	3	976	MINN ARRHYTH MIA (8:71)
307	HA293	Num	3	979	MISC. ITEM IN MINN CODE (8:72)
308	HA294	Num	3	982	MISC. ITEM IN MINN CODE 9-4 (8:73)
309	HA295	Num	3	985	6YRS CHD INCD BY WORST MANIFESTATION
310	HA296	Num	3	988	GENERATION: 1=ISSEI 2=NISEI
311	HA297	Num	3	991	NO. OF YRS LIVED IN JAPAN
312	HA298	Num	3	994	LONGEST STAY IN JAPAN
313	HA299	Num	3	997	AGE AT START OF LONGEST STAY
314	HA300	Num	3	1000	LENGTH OF 2ND LONGEST STAY
315	HA301	Num	3	1003	AGE AT START OF 2ND LONGEST STAY
316	HA302	Num	3	1006	GENERATION: 1=ISSEI 2=NISEI 3=KIBEI
317	HA303	Num	4	1009	CALORIES
318	HA304	Num	4	1013	PROTEIN (G)
319	HA305	Num	4	1017	TOTAL FAT (G)

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#	Variable	Type	Len	Pos	Label
320	HA306	Num	4	1021	SFA (G)
321	HA307	Num	4	1025	MFA (G)
322	HA308	Num	4	1029	PFA (G)
323	HA309	Num	4	1033	TOTAL CARBOHYDRATE(G)
324	HA310	Num	4	1037	SUGAR (G)
325	HA311	Num	4	1041	STARCH (G)
326	HA312	Num	4	1045	OTHER CARBOHYDRATE (G)
327	HA313	Num	4	1049	CHOLESTEROL (MG)
328	HA314	Num	4	1053	ALCOHOL (G)
329	HA315	Num	4	1057	CAFFEINE (MG)
330	HA316	Num	4	1061	SODIUM (UNITS-10 MG)
331	HA317	Num	4	1065	P/S RATIO
332	HA318	Num	4	1069	C/S RATIO
333	HA319	Num	4	1073	% CALORIES SFA
334	HA320	Num	4	1077	% CALORIES PFA
335	HA321	Num	4	1081	ANIMAL PROTEIN (G)
336	HA322	Num	4	1085	VEGETABLE PROTEIN (G)
337	HA323	Num	4	1089	SAT.FAT (G)
338	HA324	Num	4	1093	UNSAT. FAT (G)

339	HA325	Num	4	1097	CARBOHYDRATE SIMPLE (G)
340	HA326	Num	4	1101	CARBOHYDRATE COMPLEX (G)
341	HA327	Num	4	1105	% PROTEIN ANIMAL
342	HA328	Num	4	1109	% PROTEIN VEGETABLE
343	HA329	Num	4	1113	% FAT SAT.
344	HA330	Num	4	1117	% FAT UNSAT.
345	HA331	Num	4	1121	% CARBOHYDRATE SIMPLE
346	HA332	Num	4	1125	% CARBOHYDRATE COMPLEX
347	HA333	Num	4	1129	% CALORIES PROTEIN
348	HA334	Num	4	1133	% CALORIES FAT
349	HA335	Num	4	1137	% CALORIES CARBOHYDRATE
350	HA336	Num	4	1141	% CALORIES ALCOHOL
351	HA337	Num	4	1145	BODY MASS INDEX(WTKG/HTMSQUARE)
352	HA338	Num	4	1149	SYSTOLIC BLOOD PRESSURE
353	HA339	Num	4	1153	DIASTOLIC BLOOD PRESSURE
354	HA340	Num	3	1157	HYPERTENSION 0=NORMAL 1=BORDER 2=DEF
355	HA341	Num	4	1160	VITAL CAPACITY IN %
356	HA342	Num	4	1164	WINE(.1)+BEER(.037)+LIQUOR(.38)OZ/MO
357	HA343	Num	4	1168	JAP.DIET AS % OF JAP. & WEST. DIET
358	HA344	Num	3	1172	URINE GLUCOSE 0=NEG/DBT 1=POS S195
359	HA345	Num	3	1175	URINE ALBUMIN 0=NEG/DBT 1=POS S196
360	HA346	Num	3	1178	PREMATURE BEAT 0=NO 1=ATRIAL 2=VENT/BOTH
361	HA347	Num	3	1181	ATRIAL FLUTTER 0=NEG 1=POS S331
362	HA348	Num	3	1184	ECG-AV BLOCK 0=NEG 1=POS S333
363	HA349	Num	3	1187	ECG-IV BLOCK 0=NEG 1=1,2 2-4=3-5 S334
364	HA350	Num	3	1190	ECG-PROLONG QT INTERVAL 0=NEG 1=POS S336
365	HA351	Num	3	1193	ECG-P-WAVE 0=NEG 1=POS S337
366	HA352	Num	3	1196	ECG-HIGH VOLTAGE QRS 0=NEG 1=POS S338
367	HA353	Num	3	1199	LVH-S339 OR LVS-S340 0=NEG 1=POS
368	HA354	Num	3	1202	ECG-NONSPECIFIC ST 0=NEG 1=POS S342
369	HA355	Num	3	1205	ECG-POSITIVE MI 0=NONE 1=POS:1-12 S345
370	HA356	Num	3	1208	DOUBTFUL MI 0=NONE 1=1-8 S346
371	HA357	Num	3	1211	ECG-AXIS DEVIATION 0=LEFT 1=2,3,4 S348
382	HA358	Num	3	1244	ANTIHYPERTENS. MED.0=NONUSER 1=USER S163
383	HA359	Num	3	1247	AGE IN 5 YRS,<50,50-54,55-59,60-64,65+

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#	Variable	Type	Len	Pos	Label
384	HA360	Num	3	1250	ACUTE CI
385	HA361	Num	3	1253	CANCER PREVALENCE 0-NO 1-YES
386	HA362	Num	3	1256	MONTH OF 10YR CHD
387	HA363	Num	3	1259	YEAR OF 10YR CHD
388	HA364	Num	3	1262	CHD DEATH
389	HA365	Num	3	1265	SD LT 1HR
390	HA366	Num	3	1268	MI BY SURV ECG
391	HA367	Num	3	1271	MI BY SURV ENZ
392	HA368	Num	3	1274	CI BY SURV
393	HA369	Num	3	1277	AP BY SURV
394	HA370	Num	3	1280	MI BY EXAM
395	HA371	Num	3	1283	AP BY EXAM
396	HA372	Num	3	1286	10YR CHD INCD BY WORST MANIFESTATION
397	HA373	Num	3	1289	YRS OF DEATH SINCE EXAM 1

398	HA374	Num	3	1292	10YR CVA BY WORST MANIFESTATION
399	HA375	Num	3	1295	MONTH OF 10YR STROKE
400	HA376	Num	3	1298	YEAR OF 10YR STROKE
401	HA377	Num	3	1301	12YR-YRS OF DTH SINCE EXAM1(MOYR CALC)
402	HA378	Num	3	1304	MONTH OF 12 YEAR DEATH(DEC84)
403	HA379	Num	3	1307	DAY OF 12 YEAR DEATH(DEC84)
404	HA380	Num	3	1310	YEAR OF 12 YEAR DEATH(DEC84)
405	HA381	Num	5	1313	12YR HHP UNDERLYING CAUSE OF DEATH-DEC84
406	HA382	Num	3	1318	12-YEAR CHD, WORST MANIFESTATION
407	HA383	Num	3	1321	MONTH OF 12-YEAR CHD INCIDENCE
408	HA384	Num	3	1324	YEAR OF 12-YEAR CHD INCIDENCE
409	HA385	Num	3	1327	12-YEAR CVA BY WORST MANIFESTATION
410	HA386	Num	3	1330	YEAR OF 12-YEAR CVA INCIDENCE
411	HA387	Num	3	1333	MONTH OF 12-YEAR CVA INCIDENCE
412	HA388	Num	3	1336	8/83 CANCER PREVALENCE:0=NO 1=PREV
1	HA389	Num	3	0	AGE AT ONSET OF DIABETES
2	HA390	Num	3	3	NO. OF EPISODES OF DIABETIC COMA
3	HA391	Num	3	6	DIABETIC DIET
4	HA392	Num	3	9	INSULIN TREATMENT FOR DIABETES
5	HA393	Num	3	12	ORAL TABLETS TREATMENT FOR DIABETES
6	HA394	Num	8	15	CALCIUM (MG)
7	HA395	Num	8	23	POTASSIUM (MG)
8	HA396	Num	3	31	5/85 CANCER PREVALENCE: 0=NO 1=YS N=81
9	HA397	Num	3	34	CHD PREVALENCE: 0=NO 1=YS N=325
10	HA398	Num	3	37	CVA PREVALENCE: 0=NO 1=YS N=112
11	HA399	Num	5	40	FEV1, XM1 CURVE 1 (100 L)
12	HA400	Num	5	45	FEV1, XM1 CURVE 2 (100 L)
13	HA401	Num	5	50	FEV1, XM1 CURVE 3 (100 L)
14	HA402	Num	3	55	EXTRAPOLATED VOL, XM1 CURVE 1 (100 L)
15	HA403	Num	3	58	EXTRAPOLATED VOL, XM1 CURVE 2 (100 L)
16	HA404	Num	3	61	EXTRAPOLATED VOL, XM1 CURVE 3 (100 L)
17	HA405	Num	8	64	EXAM1 BEST FEV1(L) * 1.065
18	HA406	Num	8	72	PERCENT PREDICTED OF EXAM1 FEV1 (L)
19	HA407	Num	5	80	PRESENT INDUSTRY EXAM 1
20	HA408	Num	5	85	PRESENT OCCUPATION EXAM 1
21	HA409	Num	5	90	USUAL OCCUPATION EXAM 1
22	HA410	Num	3	95	PRESENT CLASS OF WORKER EXAM 1
23	HA411	Num	3	98	USUAL CLASS OF WORKER EXAM 1
27	HA412	Num	3	110	CHD DEATH W/PRIOR CHD HIST.(0-NO 1-YES)
28	HA413	Num	3	113	DIABETES MED(INSULIN/ORAL TAB)0-NO 1-YES

CONTENTS PROCEDURE

#	Variable	Type	Len	Pos	Label
413	IDPUBLIC	Num	8	1339	IDENTIFICATION NUMBER

FOOD LIKE BEST (3:24)

HA61	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	2832	70.3	2832	70.3
2	774	19.2	3606	89.5
3	423	10.5	4029	100.0

Frequency Missing = 3977

HOW HOT DO YOU LIKE YOUR FOOD(3:25)

HA62	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	250	3.2	250	3.2
2	3931	50.6	4181	53.8
3	3439	44.3	7620	98.1
4	145	1.9	7765	100.0

Frequency Missing = 241

USE SHOYU OR SALT AT TABLE?(3:26)

HA63	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	261	3.3	261	3.3
1	1914	24.4	2175	27.7
2	3914	49.8	6089	77.5
3	1770	22.5	7859	100.0

Frequency Missing = 147

HRS SPENT-SEDENTARY ACTIVITY(3:72-73)

HA98	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	6	0.1	6	0.1
2	84	1.1	90	1.1
3	425	5.4	515	6.5
4	1236	15.6	1751	22.1
5	922	11.6	2673	33.7
6	1071	13.5	3744	47.2
7	892	11.2	4636	58.4
8	809	10.2	5445	68.6
9	651	8.2	6096	76.8
10	503	6.3	6599	83.1
11	352	4.4	6951	87.5
12	393	4.9	7344	92.5
13	295	3.7	7639	96.2
14	185	2.3	7824	98.5
15	65	0.8	7889	99.4
16	31	0.4	7920	99.7
17	15	0.2	7935	99.9
18	4	0.1	7939	100.0
19	1	0.0	7940	100.0

Frequency Missing = 66