

VARIABLE      DESCRIPTION

## Honolulu Heart Program Examination 4 Coding Manual

(LCA1MGH.CODING.MANUAL.HONOLULU.EXAM4.JAN00)

DSN= EXAM4

SAS NAME: EXAM4

NUMBER OF RECORDS 3845

PROGRAM: LCA1MGH.SAS.HONOLULU.EXAM4.PROGRAM.DEC99

Variable	Description	Freq	Codes
IDPUBLIC	Identification Number 90009-99884 Data modified to protect confidentiality	90009-99884	5-digit
HD555	Interval Between Exam 1 and Exam 4 8238 - 10149 Number Of Days		5-digit

VARIABLE	DESCRIPTION		
X4MO	Exam Date	Set to dot (.) to protect confidentiality	calendar month
X4DY	confidentiality		calendar day
X4YR		Set to dot (.) to protect confidentiality	calendar year (91-94)
PLACE01	Place of Examination	3203	1 = Clinic
		417	2 = Home
		53	3 = Nursing home
		15	4 = Other
		104	5 = Long phone interview
		53	6 = Unannounced home visit
SOURCE01	Source of information	15	. = missing/don't know
		3570	1 = Self
		169	2 = Wife
		91	3 = Other
PRESAD01	Present address is *		. = missing/don't know
			1 = Own Residence
			3 = Nursing Home
			4 = Relative's Home
			5 = Rehabilitation Hospital
	* Data modified to protect confidentiality	54	6 = Other, care home
		191	
		--	
		62	

VARIABLE	DESCRIPTION		
HRAID01	Have you ever worn a hearing aid?	305 2758 782	. = missing/don't know 0 = No 1 = Yes
OFTHA01	If "Yes", how often do you usually wear a hearing aid these days?	3075 193 267 310	= missing/don't know 1 = Never or almost never 2 = Occasionally 3 = Often or nearly always
WISHPR01	If a person talks to you in a whisper, can you usually understand what he says?	363 729 1678 1075	. = missing/don't know 0 = No 1 = Usually 2 = Sometimes
NORMVC01	If a person talks to you in a normal voice, can you usually understand what he says without watching his mouth? (with a hearing aid, if you use one)	325 109 3035 376	. = missing/don't know 0 = No 1 = Usually 2 = Sometimes
DIFVIS01	Does a hearing problem cause you difficulty when visiting friends, relatives or neighbors?	346 2432 341 726	. = missing/don't know 0 = No 1 = Usually 2 = Sometimes
DIFTVR01	Does a hearing problem cause you difficulty when listening to television or radio?	325 2526 364 630	. = missing/don't know 0 = No 1 = Usually 2 = Sometimes
WEARGL01	Do you wear eyeglasses or contact lens?	308 179 2295 1063	. = missing/don't know 0 = No 1 = Usually 2 = Sometimes
RECGFR01	Can you see well enough to recognize a friend across a street? (wearing eyeglasses or contact lenses, if you need them)	346 178 1150 171	. = missing/don't know 0 = No 1 = Usually 2 = Sometimes
RDNEWS01	Can you see well enough to read ordinary newspaper print? (wearing eyeglasses or contact lenses, if you need them)	331 102 1264 148	. = missing/don't know 0 = No 1 = Usually 2 = Sometimes
MIDYR01	Sometime in their middle years most people have to start wearing eyeglasses, bifocals or change their prescriptions for reading or close work. About how old were you when that happened to you?		age (years) n=2978 nmiss=867 min=7 max=91 mean=52.69 std=13.95
HVCMPL01	Were HEARING and VISION completed?	27 276 3542	. = missing/don't know 0 = No 1 = Yes

VARIABLE            DESCRIPTION

CUFF01            Cuff size

116            . = missing/don't know  
 151            1 = Pediatrics  
 3147           2 = Regular  
 431            3 = Large arm  
 --            4 = Thigh

Variable	Description	n	nmiss	min	max	mean	std	
Q2	PALP01	palpated systolic blood pressure	3737	108	64	250	149.33	23.82
Q4	MXZERO01	maximum zero level	3680	165	0	28	24.71	1.94
Q6	SYS101	first standard systolic reading	3737	108	70	252	149.92	24.11
Q6	DIA101	first standard diastolic reading	3737	108	0	140	80.03	11.99
Q7	SYS201	second standard systolic reading	3736	109	74	256	148.74	23.76
Q7	DIA201	second standard diastolic reading	3736	109	0	140	79.54	11.64
Q8	RZSYS01	R-Z systolic reading	3678	167	80	272	161.18	24.22
Q8	RZDIA01	R-Z diastolic reading	3679	166	0	140	91.29	13.19
Q9	SYSZ101	zero level for R-Z readings	3677	168	0	44	14.87	7.12

3/10            BPCMPL01    Was BLOOD PRESSURE completed?

114            0 = No  
 3731           1 = Yes

VARIABLE	DESCRIPTION		
BP MED01	Are you taking prescribed medication for high blood pressure?	43 2362 1446	. = missing/don't know 0 = No 1 = Yes
BPYR01 BP MO01	If "Yes", how long?		combining two variables: n=1291 miss=2554 min=0.00 max=55.00 mean=10.73 std=9.79
CHOL01	Are you taking drugs to lower your cholesterol?	63 3361 421	. = missing/don't know 0 = No 1 = Yes
CHOLYR01, CHOLMO01	If "Yes", how long?		combining two variables: n=403 miss=3442 min=0.00 max=33.00 mean=3.81 std=4.77
CVD RTR01	Are you participating in any drug clinical trial?	40 3787 18	. = missing/don't know 0 = No 1 = Yes
VITMO01	Have you taken vitamin or dietary supplements for at least one week in the past month?	82 1609 2204	. = missing/don't know 0 = No 1 = Yes
VITAST01	Vitamin A strength		format A8
VITCST01	Vitamin C strength		format A8
VITEST01	Vitamin E strength		format A8
VITMST01	Vitamin - Multi strength		format A8
MINCST01	Minerals/Calcium strength		format A8
FISHST01	Fish Oil supplements strength		format A8
OTH1ST01	Other 1 strength		format A8
OTH2ST01	Other 2 strength		format A8

	Variable	Label	n	miss	min	max	mean	std
Q5	VITANO01	vitamin A number of pills per day	175	3670	0	12	1.19	1.02
Q6	VITCNO01	vitamin C number of pills per day	1001	2844	0	27	1.58	2.11
Q6	VITENO01	vitamin E number of pills per day	796	3049	0	12	1.19	0.74
Q8	VITMNO01	vitamin - multi number of pills per day	1246	2599	0	15	1.18	1.03
Q9	MINCNO01	mineral/calcium number of pills per day	637	3208	0	10	1.32	0.88
Q10	FISHNO01	fish oil supplement pills per day	124	3721	0	4	1.32	0.73
Q11	OTH1NO01	first other supplement pills per day	1046	2799	0	30	1.48	1.65
Q12	OTH2NO01	second other supplement pills per day	487	3358	0	30	1.49	1.82
Q13	NOSUPP01	Count total number	2445	1400	5	9	2.26	1.75

4/14	MVCMPL01	Were MEDICATIONS and VITAMINS completed?	5 11 3829	. = missing/don't know 0 = No 1 = Yes
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VARIABLE	DESCRIPTION		
INTID02	Interviewer ID		2-digit ID number
PMED02	Do you take any prescription medications?	10 1051 2784	. = missing/don't know 0 = No 1 = Yes
PMEDCPO2	Was PRESCRIPTION MEDICATIONS completed	5 4 3836	. = missing/don't know 0 = No 1 = Yes
INTID03	Interviewer ID		2-digit ID number
NPMO03	Do you take any non-prescription medications?	17 2537 1291	. = missing/don't know 0 = No 1 = Yes
NPMDCP03	Was NON-PRESCRIPTION MEDICATIONS completed?	5 9 3831	. = missing/don't know 0 = No 1 = Yes

Variable	Label	n	miss	min	max	mean	std	
Q1	SUPRAT04	supine reading: 30 second heart rate	3598	247	18	62	31.91	4.99
Q2	SUPSYS04	supine blood pressure:systolic	3597	248	90	252	148.1	22.43
Q2	SUPDIA04	supine blood pressure:diastolic	3599	246	0	140	79.27	11.02
Q3a	BRACH104	brachial blood pressure first reading	3597	248	0	250	147.95	23.12
Q3b	RTIB104	R. posterior tibial B. P. first reading	3547	298	0	300	157.86	32.73
Q3c	LTIB104	L. posterior tibial B. P. first reading	3539	306	0	300	157.91	32.99
Q4a	LTIB204	L. posterior tibial B. P. second reading	3535	310	0	300	157.81	32.85
Q4b	RTIB204	R. posterior tibial B. P. second reading	3541	304	0	300	158.17	32.05
Q4c	BRACH204	brachial blood pressure second reading	3580	265	0	248	147.07	22.89
Q6	STDRAT04	standing reading: 30 second heart rate	3527	318	17	62	33.92	5.45
Q7	STDSYS04	standing blood pressure:systolic	3524	321	64	256	150.64	22.72
Q7	STDDIA04	standing blood pressure:diastolic	3526	319	0	140	82.72	11.68

BPCMPL04	Was BLOOD PRESSURE completed? If "No", specify reason(s)	9 309 3527	. = missing/don't know 0 = No 1 = Yes
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ECTECH04	ECG Technician ID		2-digit staff ID number
ECRSLT04	Result of ECG	106 13 3 3723	. = missing/don't know 0 = Not done 1 = Incomplete 2 = Done

VARIABLE	DESCRIPTION		
RSNINC04	Reason ECG incomplete or not done	3832 -- 3 -- 5 -- -- 5	. = missing/don't know 1 = Software malfunction 2 = Hardware malfunction or lack of supplies 3 = Insufficient time available or room not available 4 = Participant refused or uncooperative 5 = Excluded by staff for safety 6 = Participant unable to perform 7 = Other: _____
PHLBID05	Phlebomist ID		2-digit staff ID number
----	If participant is selected for quality control enter ID, or else leave blank.		Format A7 Note: not used. All blank in questionnaire
BLEED05	Do you bleed or bruise easily?	314 2067 1464	. = missing/don't know 0 = No 1 = Yes
CLOT05	Have you ever been told you have a disorder related to blood clotting or coagulation?	300 3465 80	. = missing/don't know 0 = No 1 = Yes
FAINT05	Have you ever experienced fainting spells while having blood drawn?	249 3560 36	. = missing/don't know 0 = No 1 = Yes
DIABET05	Do you have diabetes?	355 2960 530	. = missing/don't know 0 = No 1 = Yes
INSUL05	Do you take insulin?	3347 404 94	. = missing/don't know 0 = No 1 = Yes
INSYR05 INSMO05	If "Yes", for how long?		combining two variables n=88 miss=3757 min=0.25 max=42.00 (years) mean=10.81 std=10.00
DIABPL05	Are you taking pills for diabetes?	3337 183 325	. = missing/don't know 0 = No 1 = Yes
PILLYR05, PILLMO05	If "Yes", for how long?		combining two variables n=293 miss=3552 min=0.00 max=50.00 (years) mean=10.64 std=10.11
FASTHR05, FASTMN05	Other than water, how long ago was your last food or drink?		combining two variables n=3621 miss=224 min=0.00 max=29.75 (hours) mean=15.59 std=2.86
STRSCT05	Have you had an stomach resection?	633 2881 331	. = missing/don't know 0 = No 1 = Yes

VARIABLE	DESCRIPTION		
ULCER05	Do you have an active ulcer?	675 3077 93	. = missing/don't know 0 = No 1 = Yes
STCNCR05	Do you have stomach cancer?	660 3162 23	. = missing/don't know 0 = No 1 = Yes
GLUC05	Are you willing to take glucose tolerance test?	645 964 2236	. = missing/don't know 0 = No 1 = Yes
DOGLUC05	Can glucose tolerance test be done?	661 984 2220	. = missing/don't know 0 = No 1 = Yes
FBDHR05, FBDMIN05	Time fasting blood draw was done		Hour (24-hour) Minute
ADMHR05, ADMMIN05	Time glacially was administered		Hour (24-hour) Minute
GTTTHR05, GTTMIN05	Time of 2 hours blood draw to be done		Hour (24-hour) Minute
DRWHR05, DRWMIN05	Time glucose tolerance blood draw was done		Hour (24-hour) Minute
PHCMPL05	Was PHLEBOTOMY completed?	9 289 3547	. = missing/don't know 0 = No 1 = Yes

VARIABLE DESCRIPTION

Variable	Label	n	miss	min	max	mean	std	
Q1	HEIGHT06	standing height - cm	* 3610	235	147.0	176.2	161.69	5.91
Q2	ARMSPN06	alternate arm span - cm	* 3614	231	144.3	183.0	165.14	7.30
Q3	UNSTHT06	unadjusted sitting height - cm	* 3589	256	120.0	170.6	158.06	11.59
Q4	CHRHT06	chair height - cm	* 3598	247	40.8	76.0	71.60	9.97
Q5	WEIGHT06	weight - kg	* 3636	209	38.7	87.0	61.27	9.61
Q6	HIP06	hip circumference - cm	* 3664	181	74.5	109.0	91.11	6.49
Q7	WAIST06	waist circumference - cm	* 3672	173	64.3	109.9	86.09	8.79
Q8	TRSKNF06	triceps sixfold - mm	* 3681	164	4.0	21.5	10.10	3.98
Q9	SSSKNF06	subscapular sixfold - mm	* 3645	200	4.5	36.0	16.14	6.20

\*\*\*\*\* \* MODIFICATIONS OF ANTHROPOMETRY VALUES FOR PRIVACY PROTECTION \*\*\*\*\*

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IF HEIGHT06 <= 149 THEN HEIGHT06 = 147      IF HEIGHT06 >= 175 THEN HEIGHT06 = 176.2
IF ARMSPN06 <= 147 THEN ARMSPN06 = 144.3    IF ARMSPN06 >= 181 THEN ARMSPN06 = 183
IF UNSTHT06 <= 122.1 THEN UNSTHT06 = 120    IF UNSTHT06 >= 170 THEN UNSTHT06 =170.6
IF CHRHT06 <= 41.9 THEN CHRHT06 = 40.8      IF CHRHT06 >= 76 THEN CHRHT06 = 76
IF WEIGHT06 <= 40.9 THEN WEIGHT06 = 38.7    IF WEIGHT06 >= 83.2 THEN WEIGHT06 = 87
IF HIP06 <= 77.2 THEN HIP06 = 74.5          IF HIP06 >= 107 THEN HIP06 = 109
IF WAIST06 <= 66 THEN WAIST06 = 64.3        IF WAIST06 >= 106 THEN WAIST06 = 109.9
IF TRSKNF06 <= 4 THEN TRSKNF06 = 4          IF TRSKNF06 >= 21 THEN TRSKNF06 = 21.5
IF SSSKNF06 <= 5 THEN SSSKNF06 = 4.5       IF SSSKNF06 >= 33 THEN SSSKNF06 = 36

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ANTHCM06	Was ANTHROPOMETRY completed?	13	. = missing/don't know
		243	0 = No
		3589	1 = Yes
BMEDIN06	Did you take any pills or inhalers for breathing problems during the last 24 hours?	304	. = missing/don't know
		3426	0 = No
		115	1 = Yes
BMEDHR06	If "Yes", how many hours ago?	n=102	miss=3743
		min=1	max=24
		mean=7.85	std=5.9

VARIABLE	DESCRIPTION	1st choice	2nd choice	3rd choice
-----				
Inhalers and Bronchodilator Pills		BMED106	BMED206	BMED306
-----				
.	= missing/don't know	3739	3803	3825
01	= Albuterol	7	--	--
02	= Alupent	--	--	--
03	= Asthma-Haler	1	1	--
04	= Asthma-Neophron	--	--	--
05	= Atrovent	17	3	--
06	= Brainchild Mist	--	--	--
07	= Bronkometer	--	--	--
08	= Isuprel	--	--	--
09	= Metraprel	--	--	--
10	= Primitive Mist	1	--	--
11	= Proventil	24	6	1
12	= Ventolin	13	--	--
13	= Other	10	7	6
21	= Aminophylline	--	--	--
22	= Colloidal	1	--	--
23	= Elixophyllin	--	--	--
24	= Lifeline	--	--	--
25	= Kobrin	--	--	--
26	= So-Phyllis	2	--	--
27	= Tedrall	1	--	--
28	= Theophylline	2	1	1
29	= Theo-Due	16	11	6
30	= Theo-24	1	3	--
31	= Uniphyl	--	--	--
32	= Other	7	2	3
98	= Unknown (Inhalers)	2	--	1
99	= Unknown (Bronchodilator pills)	1	1	1
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VARIABLE	DESCRIPTION		
BEATABLE	Did you take a beta blocker pill for high blood pressure or heart trouble during the last 24 hours?	352 3172 321	. = missing/don't know 0 = No 1 = Yes
BETAHR06	If "Yes", how many hours ago?		n=305 miss=3540 min=1 max=24 mean=6.22 std=4.83
BETA06	If "Yes", which one?  Beta Blocker Pill	3524 3 21 53 40 1 -- 76 -- 4 121 2	. = missing/don't know 01 = Blocadren 02 = Corgard 03 = Underhill 04 = Lopressor 05 = Normozide 06 = Sectoral 07 = Tenormin 08 = Timaliidae 09 = Visken 10 = Other 99 = Unknown
SMKHR06	Did you smoke a cigarette, pipe, or cigar during the last hour?	304 3510 31	. = missing/don't know 0 = No 1 = Yes
CAFFHR06	Did you have any coffee, tea, cola or other caffeine containing drinks in the past 4 hours?	305 3098 442	. = missing/don't know 0 = No 1 = Yes
RSPINF06	Have you had a respiratory infection in the past 3 weeks? For instance, a cold, flu, bronchitis, or pneumonia.	322 3092 431	. = missing/don't know 0 = No 1 = Yes
SPCMPL06	Was SPIROMETRY completed?	13 425 3407	. = missing/don't know 0 = No 1 = Yes

VARIABLE	DESCRIPTION		
INTID07	Interviewer ID		2-digit staff ID number
MARST07	What is your present marital status? *	294 85 2937 73 *****Modified for Privacy Protection***** 456	. = missing/don't know 1 = Single (Never married) 2 = Married 3 = Divorced/Separated 4 = Widowed
YRSEP07	If you are widowed, divorced or separated, in what year did this occur?		. = missing/don't know calendar year
RETIR07	Are you retired?	297 169 3379	. = missing/don't know 0 = No 1 = Yes
AGERET07	At what age did you retire?		n=3306 miss=539 min=27 max=89 mean=64.10 std=4.94
RSRET07	What is the main reason for retirement?	493 2552 273 211 316	. = missing/don't know 1 = Voluntary 2 = Employer regulation 3 = Ill health 4 = Other
CURWRK07	Do you currently do work for pay?	302 3112 431	. = missing/don't know 0 = No 1 = Yes
HRSWRK07	If "Yes", about how many hours per week?		n=414 miss=3431 min=1 max=98 mean=24.73 std=17.61
VOLWRK07	Do you do regular volunteer work?	298 3177 370	. = missing/don't know 0 = No 1 = Yes
VOLHRS07	If "Yes", what is the average number of hours per week?		n=341 miss=3504 min=1 max=60 mean=7.39 std=8.60
INCOME07	If you don't mind answering, what is the approximate yearly or monthly household income of you and your wife?	599 34 229 572 668 750 993	. = missing/don't know 1 = < \$5000/year or < \$416/month 2 = \$5000 - \$9999/year or \$417 - \$833/month 3 = \$10000 - \$14999/year or \$834 - \$1249/month 4 = \$15000 - \$19999/year or \$1250 - \$1666/month 5 = \$20000 - \$29999/year or \$1667 - \$2499/month 6 = \$30000 or more /year or \$2500 or more /month
PEOSUP07	How many people are supported by this income? *		n=3523 miss=322 min=1 max=4 mean=1.91 std=0.57
	*****Modified for Privacy Protection*****		

VARIABLE            DESCRIPTION

\* IF MARST07 = 5 THEN MARST07 = 3.  
 \* IF PEOSUP07 >= 4 THEN PEOSUP07 = 4

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. = missing [0]=neither [1]=father [2]=mother [3]=both

Were either of your parents ever diagnosed as having:		.	[0]	[1]	[2]	[3]
PARHBP07	High blood pressure	1357	1694	229	456	109
PARSTK07	Stroke	745	2290	410	348	52
PARHA07	Heart attack	788	2647	208	185	17
PARCN07	Cancer	645	2310	508	304	78
PARASM07	Asthma	678	2885	136	142	4
PARALZ07	Alzheimer's disease or senile dementia or severe memory problem	702	2941	61	132	9
PARCLD07	Chronic lung disease (e.g. bronchitis, emphysema)	672	2982	117	63	11
PARLIV07	Are they still living	354	3391	4	89	7

FAGE07	If alive, current age? If dead, age at death? (FATHER)	*	age in years 37-99
MAGE07	If alive, current age? If dead, age at death? (MOTHER)	*	age in years 26-102
FYRDIE07	If dead, in what year did they die? (FATHER)	*	Year of death 0-87
MYRDIE07	If dead, in what year did they die? (MOTHER)	*	Year of death 0-91

VARIABLE            DESCRIPTION

\*\*\*\*\*            \*    MODIFICATIONS FOR PRIVACY PROTECTION            \*\*\*\*\*

IF FAGE07 <= 36 THEN FAGE07 = 37            IF FAGE07 >= 98 THEN FAGE07 = 99  
 IF MAGE07 <= 29 THEN MAGE07 = 26            IF MAGE07 >= 101 THEN MAGE07 = 102  
 IF FYRDIE07 >= 87 THEN FYRDIE07 = 87  
 IF MYRDIE07 >= 91 THEN MYRDIE07 = 91

Variable	Label	n	miss	min	max	mean	std
HVACT07	daily hours spent in heavy activity as shoveling, digging.	3534	311	0	10	0.30	0.84
MODACT07	daily hours spent in moderate activity as gardening or carpentry	3533	312	0	15	2.23	2.15
SLACT07	daily hours spent in slight activity as walking on level ground	3533	312	0	19	2.81	2.63
SEDACT07	daily hours spent in sedentary activity as sitting or standing, reading, eating, listening to music or watching TV	3533	312	0	20	10.36	3.80
NOACT07	daily hours spent with no activity as sleeping or lying down	3533	312	2	24	8.30	2.37

EXREG07	Do you exercise regularly?			300		. = missing/don't know	
				1160		0 = No	
				2385		1 = Yes	
EXHRS07	If "Yes", how many hours per week, on average?					hours	
						n=2363 miss=1482	
						min=1 max=98	
						mean=7.43 std=7.05	
STAIS07	How many flights of stairs do you climb each day?					flight(s)	
						n=3510 miss=335	
						min=0 max=80	
						mean=3.67 std=5.77	
BLOCKS07	How many city blocks or equivalent do you walk each day?					block(s) (1 mile = 12 blocks)	
						n=3434 miss=411	
						min=0 max=98	
						mean=13.53 std=15.97	

VARIABLE	DESCRIPTION		
SMOKEN07	Do you smoke cigarettes now?	297 3292 256	. = missing/don't know 0 = No 1 = Yes
NOCIGN07	What is the usual number per day? (current smokers)		number of cigarettes n=255 miss=3590 min=1 max=80 mean=14.31 std=11.08
AGESTN07	At what age did you start smoking cigarettes? (current smokers)		age in years n=249 miss=3596 min=3 max=75 mean=20.41 std=8.00
SMOKEP07	If you do not smoke cigarettes now, did you smoke them regularly in the past?	560 1324 1961	. = missing/don't know 0 = No 1 = Yes
NOCIGP07	What was the usual number per day? (past smokers)		number of cigarettes n=1936 miss=1909 min=1 max=98 mean=25.24 std=15.56
AGESTP07	At what age did you start smoking cigarettes? (past smokers)		age in years n=1922 miss=1923 min=7 max=70 mean=19.97 std=5.87
AGESPP07	At what age did you stop smoking? (past smokers)		age in years n=1911 miss=1934 min=10 max=88 mean=52.19 std=15.09
WHYSTP07	Why did you stop smoking?	1915 453 270 421 451 56 279	. = missing/don't know 1 = Ill health 2 = Physician's advice 3 = Knowledge of harmful effect 4 = Loss of desire to smoke 5 = Economic reasons 6 = Other

VARIABLE	DESCRIPTION		
ALCNW07	Do you drink alcoholic beverages now?	300 2327 1218	. = missing/don't know 0 = No 1 = Yes
ALCSPT07	If you do not drink alcoholic beverages now, did you drink them regularly in the past?	1482 1478 885	. = missing/don't know 0 = No 1 = Yes
WINE07	Do (Did) you drink wine?	1763 1655 427	. = missing/don't know 0 = No 1 = Yes
BEER07	Do (Did) you drink beer?	1749 299 1797	. = missing/don't know 0 = No 1 = Yes
LIQR07	Do (Did) you drink liquor?	1770 1351 724	. = missing/don't know 0 = No 1 = Yes
SAKE07	Do (Did) you drink sake?	1776 1706 363	. = missing/don't know 0 = No 1 = Yes

Variable	Label	n	miss	min	max	mean	std
WINETM07	times per month you drink wine	416	3429	0	30	8.16	10.77
WINEMU07	how much wine do you drink each time	417	3428	0	25	1.74	1.88
WINEYR07	how many years did you drink wine	411	3434	0	74	23.76	19.34
BEERTM07	times per month you drink beer	762	2083	0	30	18.42	12.30
BEERMU07	how much beer do you drink each time	778	2067	0	36	2.75	2.78
BEERYR07	how many years did you drink beer	686	2159	0	78	32.34	18.67
LIQRTM07	times per month you drink liquor	706	3139	0	30	12.25	12.36
LIQRMU07	how much liquor do you drink each time	690	3155	0	20	2.81	2.80
LIQRYR07	how many years did you drink liquor	690	3155	0	70	28.24	18.05
SAKETM07	times per month you drink sake	350	3495	0	30	10.64	12.40
SAKEMU07	how much sake do you drink each time	348	3497	0	20	1.55	1.67
SAKEYR07	how many years did you drink sake	332	3513	0	79	28.80	20.54

STPDRK07	If you don't drink alcoholic beverages now, why did you stop drinking?	3038 214 111 105 246 18 113	. = missing/don't know 1 = Ill health 2 = Physician's advice 3 = Knowledge of harmful effect 4 = Loss of desire to drink 5 = Economic reasons 6 = Other
PHCOMP07	Was PERSONAL HISTORY completed?	31 278 3536	. = missing/don't know 0 = No 1 = Yes

VARIABLE	DESCRIPTION		
INTID08	Interviewer ID		2-digit staff ID number
GNHLTH08	How would you rate your general health at the present time?	567 350 1883 947 98	. = missing/don't know 1 = Excellent 2 = Good 3 = Fair 4 = Poor
QUALLF08	How satisfied are you with the overall quality of life in your present age and circumstances?	567 959 1955 331 33	. = missing/don't know 1 = Very satisfied 2 = Satisfied 3 = Reasonably satisfied or so-so 4 = Dissatisfied
CTLACT08	How much control do you have in deciding the activities of your daily life?	588 2196 943 108 10	. = missing/don't know 1 = A of control 2 = Some control 3 = Very little control 4 = No control
REGCHK08	Do you usually have regular health check-ups?	535 613 2697	. = missing/don't know 0 = No 1 = Yes
MEDCB08	Do you have Medicare B?	524 78 3225	. = missing/don't know 0 = No 1 = Yes
MEDINS08	Do you have other medical insurance in addition?	545 184 3116	. = missing/don't know 0 = No 1 = Yes
HOSP1Y08	How many different times were you in the hospital at least overnight in the past 12 months?		number of times n=3337 miss=508 min=0 max=12 mean=0.17 std=0.56
HOSP5Y08	About how many times in the past 5 years?		number of times n=3316 miss=529 min=0 max=20 mean=0.59 std=1.12
DAVAIL08	Do you regard the availability of your doctor, care as:	730 1169 1913 33	. = missing/don't know 1 = Excellent 2 = Satisfactory 3 = Unsatisfactory 9 = Unknown
HAVAIL08	Do you regard the availability of your hospital care as:	1462 746 1603 34	. = missing/don't know 1 = Excellent 2 = Satisfactory 3 = Unsatisfactory

VARIABLE DESCRIPTION

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Variable	Description	n	miss	min	max	mean	std
DOCTOR08	times in past year seen doctor	3323	522	0	182	4.95	6.44
DENTST08	times in past year seen dentist	3342	503	0	50	1.46	2.39
PSYCH08	times in past year seen psychiatrist	3342	503	0	15	0.02	0.44
SPCHTH08	times in past year seen speech therapist	3344	501	0	36	0.04	0.94
PHYSTH08	times in past year seen phys. therapist	3343	502	0	156	0.31	4.28
PODIAT08	times in past year seen podiatrist	3343	502	0	7	0.03	0.32
ACUPNC08	times in past year seen acupuncturist	3344	501	0	30	0.08	0.93
SHIATS08	times in past year seen shiatsu mssg	3343	502	0	500	0.52	9.35
CHIRO08	times in past year seen chiropractor	3342	503	0	96	0.49	3.17
PBHLTH08	times in past year seen pub. hlth nurse	3343	502	0	36	0.04	0.73
SOCIAL08	times in past year seen social worker	3344	501	0	12	0.01	0.22
OTHER108	times in past year seen other 1	3341	504	0	104	0.93	3.81
OTHER208	times in past year seen other 2	3342	503	0	35	0.24	1.31
OTHER308	times in past year seen other 3	3342	503	0	60	0.08	1.14
OTHER408	times in past year seen other 4	3343	502	0	6	0.01	0.20

Variable	Description	n	miss	min	max	mean	std
DAYCAR08	days made use of day care center	3344	501	0	261	0.18	5.59
CARHOM08	days made use of care home	3344	501	0	365	0.74	15.66
NURHOM08	days made use of nursing home	3344	501	0	365	0.25	8.37
REHAB08	days made use of rehab hospital	3345	500	0	96	0.14	2.95
HANDI08	days made use of handivan,handicab	3342	503	0	144	0.20	3.45

HMSCMP08 Was PERCEIVED HEALTH and MEDICAL SERVICE UTILIZATION completed? 40  
 487 . = missing/don't know  
 3318 0 = No  
 1 = Yes

VARIABLE	DESCRIPTION		
CHSTPN08	Have you ever had any pain, discomfort, pressure, or heaviness in your chest?	125 3046 674	. = missing/don't know 0 = No 1 = Yes
HURRY08	Do you get this pain, discomfort, pressure or heaviness when you walk uphill or hurry?	3174 504 167	. = missing/don't know 0 = No 1 = Yes
ORDPAC08	Do you get it when you walk at an ordinary pace on level ground?	3670 135 40	. = missing/don't know 0 = No 1 = Yes
WHATDO08	What do you do when you get this pain while you are walking?	3674 158 13	. = missing/don't know 0 = No 1 = Yes
STDSTL08	Does it go away when you stand still?	3674 18 153	. = missing/don't know 0 = No 1 = Yes
SOON08	If "Yes", how soon?	3693 139 13	. = missing/don't know 0 = 10 minutes or less 1 = more than 10 minutes
NITRO08	Does it go away if you use nitroglycerin?	3739 21 85	. = missing/don't know 0 = No 1 = Yes
NSOON08	If "Yes", how soon?	3764 75 6	. = missing/don't know 0 = 10 minutes or less 1 = more than 10 minutes
SVPNCH08	Have you had a severe pain across the front of your chest lasting for half an hour or more?	3666 155 24	. = missing/don't know 0 = No 1 = Yes
WEAK08	Have you had sudden weakness, or paralysis of arm/leg?	126 3492 140 54 23 10	. = missing/don't know 0 = No 1 = Yes, one side 2 = Yes, both sides 3 = Possible, one side 4 = Possible, both sides
TINGL08	Have you had sudden tingling, numbness or loss of sensation over arm/leg?	139 3306 210 121 47 22	. = missing/don't know 0 = No 1 = Yes, one side 2 = Yes, both sides 3 = Possible, one side 4 = Possible, both sides
BLIND08	Have you had sudden blindness, blurring of vision or double vision?	138 3420 89 138 18 42	. = missing/don't know 0 = No 1 = Yes, one side 2 = Yes, both sides 3 = Possible, one side 4 = Possible, both side
SPEECH08	Have you had sudden disturbance of speech?	117 3541 151 36	. = missing/don't know 0 = No 1 = Yes 2 = Possible

VARIABLE	DESCRIPTION		
DIZZY08	Have you had sudden dizziness or loss of balance?	117 2931 669 128	. = missing/don't know 0 = No 1 = Yes 2 = Possible
LEGWLK08	Do you get a pain in either leg on walking?	531 2766 548	. = missing/don't know 0 = No 1 = Yes
SIT08	If "Yes", does this pain ever begin when you are standing still or sitting?	3807 350 188	. = missing/don't know 0 = No 1 = Yes
CALF08	Do you get this pain in your calf or calves?	3302 357 186	. = missing/don't know 0 = No 1 = Yes
WLKHRY08	Do you get it when you walk uphill or hurry?	3363 66 116	. = missing/don't know 0 = No 1 = Yes
LEGPAC08	Do you get it when you walk at an ordinary pace on level ground?	3722 44 79	. = missing/don't know 0 = No 1 = Yes
LEGDIS08	Does this pain ever disappear while you are still walking?	3724 65 56	. = missing/don't know 0 = No 1 = Yes
DOWAKL08	What do you do if you get it when you are walking?	3723 98 24	. = missing/don't know 0 = No 1 = Yes
GOSTST08	Does it go away when you stand still?	3722 19 104	. = missing/don't know 0 = No 1 = Yes
LGSOON08	If "Yes", how soon?	3745 87 13	. = missing/don't know 0 = 10 minutes less 1 = More than 10 minutes
LEGAGE08	At what age did you start having this pain?		age (years)
LEGHSP08	Were you ever hospitalized for this problem in your legs?	3735 101 9	. = missing/don't know 0 = No 1 = Yes
LHSPMO08 LHSPYR08	If "Yes", which hospital and what date?		calendar month calendar year
ASCCMP08	Were ANGINA, STROKE and INTERMITTENT CLAUDICATION completed?	39 493 3313	. = missing/don't know 0 = No 1 = Yes
GASP08	Do you ever wake up at night gasping for breath?	80 3660 49 56	. = missing/don't know 0 = No 1 = Yes, past only 2 = Yes, present
PILLOW08	Do you get short of breath at night unless you sleep on two or more pillows?	86 3709 10 40	. = missing/don't know 0 = No 1 = Yes, past only 2 = Yes, present

VARIABLE	DESCRIPTION		
AWAKEN08	Do you wake up at night coughing?	83 3308 76 378	. = missing/don't know 0 = No 1 = Yes, past only 2 = Yes, present
SWELL08	Do you have swelling of your ankles or legs?	80 3208 154 403	. = missing/don't know 0 = No 1 = Yes, past only 2 = Yes, present
VARIVN08	Have you ever had phlebitis or varicose veins?	99 3407 41 298	. = missing/don't know 0 = No 1 = Yes, past only 2 = Yes, present
CHF08	Since your last HHP exam has a doctor told you that you had Congestive heart failure?	110 3678 57	. = missing/don't know 0 = No 1 = Yes
CHFM08 CHF08	If "Yes", earliest date since last HHP exam:		calendar month calender year
CHFPAT08	If "Yes", were you inpatient or outpatient?	3788 39 18	. = missing/don't know 1 = Inpatient 2 = Outpatient
HRTATT08	Since your last HHP exam has a doctor told you that you had Heart attack or coronary?	70 3517 258	. = missing/don't know 0 = No 1 = Yes
HAMO08 HAYR08	If "Yes", earliest date since last HHP exam:		calendar month calender year
HAPAT08	If "Yes", were you inpatient or outpatient?	3586 216 43	. = missing/don't know 1 = Inpatient 2 = Outpatient
ANGINA08	Since your last HHP exam has a doctor told you that you had Angina pectoris?	70 3519 256	. = missing/don't know 0 = No 1 = Yes
ANGMO08 ANGYR08	If "Yes", earliest date since last HHP exam:		calendar month calendar year
ANGPAT08	If "Yes", were you inpatient or outpatient?	3596 124 125	. = missing/don't know 1 = Inpatient 2 = Outpatient
ECG08	Since your last HHP exam, have your had an exercise ECG test?	176 2317 1352	. = missing/don't know 0 = No 1 = Yes
ECGMO08 ECGYR08	If "Yes", earliest date since last HHP exam:		calendar month calender year
ECGPAT08	If "Yes", were you inpatient or outpatient?	2503 143 1199	. = missing/don't know 1 = Inpatient 2 = Outpatient
THAL08	Since your last HHP exam, have your had an exercise ECG with thallium?	338 3277 230	. = missing/don't know 0 = No 1 = Yes

VARIABLE	DESCRIPTION		
THALMO08, THALYR08	If "Yes", earliest date since last HHP exam:		calendar month calendar year
THALPAT08	If "Yes", were you inpatient or outpatient?	3616 35 194	. = missing/don't know 1 = Inpatient 2 = Outpatient
HOLTER08	Since your last HHP exam, have your had a holter (24 hr ECG)?	155 3340 350	. = missing/don't know 0 = No 1 = Yes
HOLTMO08, HOLTYR08	If "Yes", earliest date since last HHP exam:		calendar month calendar year
HLTPAT08	If "Yes", were you inpatient or outpatient?	3499 108 238	. = missing/don't know 1 = Inpatient 2 = Outpatient
ECHO08	Since your last H.P. exam, have your had an echo cardiogram?	394 2977 474	. = missing/don't know 0 = No 1 = Yes
ECH0MO08, ECHOYR08	If "Yes", earliest date since last H.P. exam:		calendar month calendar year
ECHPAT08	If "Yes", were you inpatient or outpatient?	3373 97 375	. = missing/don't know 1 = Inpatient 2 = Outpatient
XRAY08	Since your last H.P. exam, have your had a X-ray of head blood vessels (coronary angiography) or heart catheterization?	889 3133 423	= missing/don't know 0 = No 1 = Yes
XRAYMO08, XRAYYR08	If "Yes", earliest date since last H.P. exam:		calendar month calendar year
XRAYPAT08	If "Yes", were you inpatient or outpatient?	3430 204 211	. = missing/don't know 1 = Inpatient 2 = Outpatient

VARIABLE	DESCRIPTION		
BP08	Since your last H.P. exam has a doctor told you that you had High blood pressure or hypertension?	91 2213 1541	. = missing/don't know 0 = No 1 = Yes
BPHSP08	Was it ever severe enough to require hospitalization?	2318 1495 32	. = missing/don't know 0 = No 1 = Yes
BPHSMO08 BPHSYR08	If "Yes", earliest date since last H.P. exam:		calendar month calendar year
BPPAT08	If "Yes", were you inpatient or outpatient?	3820 24 1	. = missing/don't know 1 = Inpatient 2 = Outpatient
STROKE08	Have you ever had a stroke, cerebral hemorrhage, apoplexy or transient ischemic attack (TIA)?	55 3372 418	. = missing/don't know 0 = No 1 = Yes
STRKMO08 STRKYR08	If "Yes", earliest date (mm-yy) or earliest date (mm/yy) since last H.P. exam:		calendar month calendar year
STKPAT08	If "Yes", were you inpatient or outpatient?	3431 282 130	. = missing/don't know 1 = Inpatient 2 = Outpatient
CBS08	Have you ever had coronary bypass surgery?	24 3536 285	. = missing/don't know 0 = No 1 = Yes
CBSMO08 CBSYR08	If "Yes", earliest date (mm-yy) or earliest date (mm/yy) since last H.P. exam:		calendar month calendar year
CBSPAT08	If "Yes", were you inpatient or outpatient?	3563 278 4	. = missing/don't know 1 = Inpatient 2 = Outpatient
BLLOON08	Have you ever had a treatment of your coronary vessels with balloon angioplasty?	42 3694 109	. = missing/don't know 0 = No 1 = Yes
BLNMO08, BLNYR08	If "Yes", earliest date (mm-yy) or earliest date (mm=yy) since last H.P. exam:		calendar month calendar year
BLNPAT08	If "Yes", were you inpatient or outpatient?	3737 96 12	. = missing/don't know 1 = Inpatient 2 = Outpatient
NCKSUR08	Have you ever had any surgery of the arteries of your neck?	30 3772 43	. = missing/don't know 0 = No 1 = Yes
NCKMO08, NCKYR08	If "Yes", earliest date (mm-yy) or earliest date (mm-yy) since last H.P. exam:		calendar month calendar year
NCKPAT08	If "Yes", were you inpatient or outpatient?	3802 41 2	. = missing/don't know 1 = Inpatient 2 = Outpatient
AORSUR08	Have you ever had any surgery of the aorta or of the arteries in your abdomen or legs?	38 3678 129	. = missing/don't know 0 = No 1 = Yes
AORMO08, AORYR08	If "Yes", earliest date (mm-yy) or earliest date (mm-yy) since last H.P. exam:		calendar - month calendar - year

VARIABLE	DESCRIPTION			
AORPAT08	If "Yes", were you inpatient or outpatient?	3717 127 1	. = missing/don't know 1 = Inpatient 2 = Outpatient	
AMPUT08	Have you ever had any amputation?	18 3693 134	. = missing/don't know 0 = No 1 = Yes	
AMPMO08, AMPUYR08	If "Yes", earliest date (mm-yy) or earliest date (mm-yy) since last H.P. exam:		calendar month calendar year	
AMPPAT08	If "Yes", were you inpatient or outpatient?	3723 71 51	. = missing/don't know 1 = Inpatient 2 = Outpatient	
DIABET08	Has a doctor told you that you had diabetes mellitus or high blood sugar?	65 3122 658	. = missing/don't know 0 = No 1 = Yes	
DIABMO08, DIABYR08	If "Yes", date (mm-yy) of first diagnosis was:		calendar month calendar year	
If "Yes" to diabetes mellitus:				
			. = missing/don't know [0] = No [1] = Yes	
Variable	Description	.	[0]	[1]
-----				
	Have you had any complications of diabetes such as:			
SOMCMP08	Coma, kidney disease, amputation, or blindness *	3270	527	48
	* If COMA08 AND KIDDIS08 AND AMP08 AND BLND08 AND OTHCMP08 = 0 SOMCMP08 IS ASSIGNED THE VALUE 0 * If COMA08 OR KIDDIS08 OR AMP08 OR BLND08 OR OTHCMP08 = 1 SOMCMP08 IS ASSIGNED THE VALUE 1			
PRCIRC08	Poor circulation in the feet	3211	576	58
-----				
GAST08	Have you ever had a gastrectomy or stomach surgery?	33 3417 395	. = missing/don't know 0 = No 1 = Yes	
GASTMO08, GASTYR08	If "Yes", earliest date (mm-yy) or earliest date (mm-yy) since last H.P. exam:		calendar month calendar year	
GSTPAT08	If "Yes", were you inpatient or outpatient?	3452 385 8	. = missing/don't know 1 = Inpatient 2 = Outpatient	
HIPFX08	Have you ever had a fracture of the hip?	23 3759 63	. = missing/don't know 0 = No 1 = Yes	
HFXMO08, HFXYR08	If "Yes", earliest date (mm-yy) or earliest date (mm-yy) since last H.P. exam:		calendar month calendar year	
HFXPAT08	If "Yes", were you inpatient or outpatient?	3784 53 8	. = missing/don't know 1 = Inpatient 2 = Outpatient	

VARIABLE	DESCRIPTION		
SPNFX08	Have you ever had a fracture of the spine?	40 3688 117	. = missing/don't know 0 = No 1 = Yes
SFXM008 SFXYR08	If "Yes", earliest date (mm-yy) or earliest date (mm-yy) since last H.P. exam:		calendar month calendar year
SFXPAT08	If "Yes", were you inpatient or outpatient?	3730 69 46	. = missing/don't know 1 = Inpatient 2 = Outpatient
ARMF08	Have you ever had a fracture of the forearm?	25 3656 164	. = missing/don't know 0 = No 1 = Yes
AFXM008 AFXR08	If "Yes", earliest date (mm-yy) or earliest date (mm-yy) since last H.P. exam:		calendar month calendar year
AFXPAT08	If "Yes", were you inpatient or outpatient?	3686 43 116	. = missing/don't know 1 = Inpatient 2 = Outpatient
OCDMP08	Were OTHER CARDIOVASCULAR and DIABETES, etc completed?	22 3823	0 = No 1 = Yes
BRN08	Have you ever had attacks of acute bronchitis?	397 3245 203	. = missing/don't know 0 = No 1 = Yes
BRNST08	Do you still have it?	3643 175 27	. = missing/don't know 0 = No 1 = Yes
BRNDR08	Was it confirmed by a doctor?	3648 20 177	= missing/don't know 0 = No 1 = Yes
BRNAG08	At what age was your first attack?		n=160 miss=3685 min=8 max=89 mean=55.33 std=20.41
CBRN08	Have you ever had chronic bronchitis?	387 3396 62	. = missing/don't know 0 = No 1 = Yes
CBRNST08	Do you still have it?	3785 24 36	. = missing/don't know 0 = No 1 = Yes
CBRNDR08	Was it confirmed by a doctor?	3783 7 55	. = missing/don't know 0 = No 1 = Yes
CBRNAG08	At what age was your first attack?		n=55 miss=3790 min=8 max=90 mean=56.25 std=20.93
PNEU08	Have you ever had pneumonia?	387 3050 408	. = missing/don't know 0 = No 1 = Yes
PNEUST08	Do you still have it?	3449 380 16	. = missing/don't know 0 = No 1 = Yes
PNEUDR08	Was it confirmed by a doctor?	3447 13 385	. = missing/don't know 0 = No 1 = Yes

VARIABLE	DESCRIPTION		
PNEUAG08	At what age was your first attack?		n=365 miss=3480 min=1 max=92 mean=50.70 std=26.34
HAYFEV08	Have you ever had hay fever?	372 3222 251	. = missing/don't know 0 = No 1 = Yes
HAYFST08	Do you still have it?	3598 119 128	. = missing/don't know 0 = No 1 = Yes
HAYFDR08	Was it confirmed by a doctor?	3601 119 125	. = missing/don't know 0 = No 1 = Yes
HAYFAG08	At what age was your first attack?		n=180 miss=3757 min=4 max=81 mean=40.21 std=21.95
EMPH08	Have you ever had emphysema?	349 3392 104	. = missing/don't know 0 = No 1 = Yes
EMPHST08	Do you still have it?	3748 18 79	. = missing/don't know 0 = No 1 = Yes
EMPHDR08	Was it confirmed by a doctor?	3741 6 98	. = missing/don't know 0 = No 1 = Yes
EMPHAG08	At what age was your first attack?		n=88 miss=3757 min=9 max=88 mean=66.56 std=13.12
ASTH08	Have you ever had asthma	351 3287 207	. = missing/don't know 0 = No 1 = Yes
ASTHST08	Do you still have it?	3644 104 97	. = missing/don't know 0 = No 1 = Yes
ASTHDR08	Was it confirmed by a doctor?	3641 31 173	. = missing/don't know 0 = No 1 = Yes
ASTHAG08	At what age was your first attack?		n=179 miss=3666 min=1 max=85 mean=36.30 std=27.10
PLMTUB08	Have you ever had pulmonary tuberculosis?	335 3404 106	. = missing/don't know 0 = No 1 = Yes
PTUBST08	Do you still have it?	3745 92 8	. = missing/don't know 0 = No 1 = Yes
PTUBDR08	Was it confirmed by a doctor?	3740 5 100	. = missing/don't know 0 = No 1 = Yes
PTUBAG08	At what age was your first attack?		n=96 miss=3749 min=3 max=84 mean=34.50 std=19.54
CHILL08	Have you ever had any other chest illness?	335 3381 129	. = missing/don't know 0 = No 1 = Yes

VARIABLE	DESCRIPTION		
CHOPER08	Have you ever had any chest operations?	321 3199 325	. = missing/don't know 0 = No 1 = Yes
CHOPEN08	If "Yes", was chest cavity opened? (for examiner only)	3410 169 266	. = missing/don't know 0 = No 1 = Yes
CHINJ08	Have you ever had any chest injuries?	335 3357 153	. = missing/don't know 0 = No 1 = Yes
COUGH08	Do you usually have a cough? Include coughing when you first smoke or first go out of doors. Exclude clearing your throat.	479 3055 311	. = missing/don't know 0 = No 1 = Yes
COUGHN08	Do you usually cough as much as 4 to 6 times a day, 4 or more days out of the week?	3549 103 193	. = missing/don't know 0 = No 1 = Yes
CGHGET08	Do you usually cough at all when you get up or first thing in the morning	3550 170 125	. = missing/don't know 0 = No 1 = Yes
CGHDAY08	Do you usually cough at all during the rest of the day or at night?	3545 96 204	. = missing/don't know 0 = No 1 = Yes
CGHMON08	Do you usually cough like this most days for 3 consecutive months or more during the year?	3594 77 174	. = missing/don't know 0 = No 1 = Yes
CGHYR08	For how many years have you had this cough?		n=179 miss=3666 min=1 max=74 (years) mean=9.46 std=13.41
PHLM08	Do you usually bring up phlegm, which is thick mucus, from your chest? Include phlegm brought up when you first smoke or first go out-of-door, include swallowed phlegm. Exclude phlegm from your nose.	346 3085 414	. = missing/don't know 0 = No 1 = Yes
PHLDAY08	Do you usually bring up phlegm like this as much as twice a day, 4 or more days out of the week?	3436 115 294	. = missing/don't know 0 = No 1 = Yes
PHLMRN08	Do you usually bring up phlegm at all when you get up, or first thing in the morning?	3436 149 260	. = missing/don't know 0 = No 1 = Yes
PHLRST08	Do you usually bring up phlegm at all during the rest of the day or at night?	3436 159 250	. = missing/don't know 0 = No 1 = Yes
PHL3MO08	Do you bring up phlegm like this most days for 3 consecutive months or more during the year?	3483 96 266	. = missing/don't know 0 = No 1 = Yes
PHLYR08	For how many years have you had trouble with phlegm?		n=253 miss=3592 min=1 max=78 mean=8.62 std=12.23
WHZDN08	Does your chest ever sound wheezy or whistling most days or nights?	337 3373 135	. = missing/don't know 0 = No 1 = Yes
WHZCLD08	Does your chest ever sound wheezy or whistling when you have a cold?	397 3023 425	. = missing/don't know 0 = No 1 = Yes

VARIABLE	DESCRIPTION		
WHZNOC08	Does your chest ever sound wheezy or whistling occasionally apart from colds?	346 3355 144	. = missing/don't know 0 = No 1 = Yes
WSZYR08	For how many years has this been present?		n=288 miss=3557 min=1 max=87 (years) mean=11.44 std=16.47
WHZBR08	Have you ever had an attack of wheezing that made you feel short of breath?	3342 422 81	. = missing/don't know 0 = No 1 = Yes
WHZAGE08	How old were you when you had your first such attack?		n=76 miss=3769 min=5 max=91 mean=57.96 std=21.57
WHZ2X08	Have you had 2 or more such episodes?	3758 30 57	. = missing/don't know 0 = No 1 = Yes
WHZMED08	Have you ever required medication or treatment for these attacks	3754 34 57	. = missing/don't know 0 = No 1 = Yes
SHBRTH08	Are you troubled by shortness of breath when hurrying on level ground or walking	367 2838 588 52	. = missing/don't know 0 = No 1 = Yes 8 = Not assessable
WKSLOW08	Do you have to walk slower than people of your age on level ground because of breathlessness?	3267 363 215	. = missing/don't know 0 = No 1 = Yes
STPPAC08	Do you ever have to stop for breath when walking at your own pace on level ground?	3262 454 129	. = missing/don't know 0 = No 1 = Yes
STP10008	Do you ever have to stop for breath after walking about 100 yards (or after a few minutes) on level ground?	3264 469 112	. = missing/don't know 0 = No 1 = Yes
LVHOUS08	Are you too breathless to leave the house, or do you become breathless when dressing or undressing?	3260 565 20	. = missing/don't know 0 = No 1 = Yes
BRT2W08	Have you been breathless or short of breath during the past two weeks?	331 3386 128	. = missing/don't know 0 = No 1 = Yes
BRTIN08	Has there been an increase in the frequency or severity of your breathlessness or shortness of breath during the past two weeks?	3722 105 18	. = missing/don't know 0 = No 1 = Yes
PALP2W08	Have you experienced palpitations during the past two weeks?	342 3442 61	. = missing/don't know 0 = No 1 = Yes
PALPIN08	Has there been an increase in the frequency or severity of your palpitations during the past two weeks?	3787 52 6	. = missing/don't know 0 = No 1 = Yes
DIZZ2W08	Have you been dizzy during the past two weeks?	341 3314 190	. = missing/don't know 0 = No 1 = Yes
DIZZIN08	Has there been an increase in the frequency or severity of your dizziness during the past two weeks?	3656 173 16	. = missing/don't know 0 = No 1 = Yes
FATG2W08	Have you been fatigued during the past two weeks?	343 3193 309	. = missing/don't know 0 = No 1 = Yes

VARIABLE	DESCRIPTION		
FATGIN08	Has there been an increase in the frequency or severity of your fatigue during the past two weeks?	3541 257 47	. = missing/don't know 0 = No 1 = Yes
PLMCMP08	Was PULMONARY COMPLETED?	29 294 3522	. = missing/don't know 0 = No 1 = Yes
DDIET08	Have you been following a diabetic diet?	540 2927 378	. = missing/don't know 0 = No 1 = Yes
DDIETM08, DDIETY08	If "Yes", for how long?		combining two variables n=353 miss=3493 min=0.08 max=60.00 (years) mean=11.59 std=11.59
SDIET08	Have you been following a low salt diet?	543 2015 1287	. = missing/don't know 0 = No 1 = Yes
SDIETM08 SDIETY08	If "Yes", for how long?		combining two variables n=1210 miss=2635 min=0.08 max=85.50 (years) mean=9.82 std=10.28
CDIET08	Have you been following a diet to lower cholesterol, such as avoiding fatty meats, and butter?	554 1923 1368	. = missing/don't know 0 = No 1 = Yes
CDIETM08, CDIETY08	If "Yes", for how long?		combining two variables n=1300 miss=2545 min=0.08 max=80.00 mean=8.21 std=8.45
USDIET08	Do you consider your usual diet to be mostly:	557 681 198 2398 11	. = missing/don't know 1 = Oriental 2 = Western 3 = Mixed 4 = Other, Specify _____
HRSLP08, MNSLP08	On an average night, how many hours do you sleep?		combining two variables: n=3305 miss=540 min=0.00 max=14.5 (hours) mean=7.03 std=1.43
MINNAP08	On an average day, how many minutes do you nap (or sleep at times other than your regular bedtime)?		n=3287 miss=558 min=0 max=600 (minutes) mean=45.33 std=49.85
SLPYDY08	Are your sleepy most of the day?	537 3014 294	. = missing/don't know 0 = No 1 = Yes
GROGGY08	Do you feel groggy and unrefreshed for more than half an hour after waking up in the morning?	547 3184 114	. = missing/don't know 0 = No 1 = Yes
SNORE08	Has your spouse or other housemaster(s) complained about your loud snoring?	781 2047 1017	. = missing/don't know 0 = No 1 = Yes
SNLOUD08	When you are sleeping, how often do you snore loudly or has someone told you snore loudly?	1151 1538 225 554 110 267	. = missing/don't know 0 = Never 1 = Rarely 2 = Sometimes 3 = Often 4 = Always

VARIABLE	DESCRIPTION		
STOPBR08	When you are sleeping, how often do you stop breathing or has someone told you stop breathing?	1002 2744 42 47 5 5	. = missing/don't know 0 = Never 1 = Rarely 2 = Sometimes 3 = Often 4 = Always
NTSNOR08	How many nights a week do you snore loudly?		n=2104 miss=1471 min=0 max=7 mean=1.73 std=2.45
FLASLP08	Do you usually have trouble falling asleep?	536 2695 614	. = missing/don't know 0 = No 1 = Yes
WAKEUP08	Except to use the bathroom, do you usually wake up several times at night?	542 3050 253	. = missing/don't know 0 = No 1 = Yes
WEARLY08	Do you usually wake up far too early and cannot go back to sleep?	552 2663 630	. = missing/don't know 0 = No 1 = Yes
SDSCMP08	Were SPECIAL DIETS and SLEEP completed?	41 494 3310	. = missing/don't know 0 = No 1 = Yes

VARIABLE DESCRIPTION

\*\* Privacy Protection . = missing/don't know  
 Variables in list below marked with \*\*: [0] = No  
 . = missing/don't know [1] = Yes, Current, under medical care  
 0 = no 1= yes 3 = present only in [2] = Yes, Current, not under medical care  
 the past [3] = Present only on the past  
 \*\*\*\*\*

Variable	Description	.	[0]	[1]	[2]	[3]
01	HRTDIS08 Heart Disease	99	3152	458	31	105
02	GOUT08 Gout	90	3233	232	32	258
03	GALLST08 Cholecystitis or Gall Stones	89	3334	20	18	384
04	LIVER08 Hepatitis or Cirrhosis of the Liver	85	3683	5	10	62
05	DIVERT08 Diverticulosis or Diverticulitis of the Large Bowel	104	3629	20	33	59
06	POLYS08 Polus or the Large Bowel	124	3295	79	43	304
07	ULCER08 Ulcer (Stomach or Peptic)	97	2997	101	22	628
08	THYRD08 ***Thyroid Disease ** ** Values = 2 are assigned to 1	79	3684	45		37
09	MENTAL08 **Mental Problems ** ** Values = 2 are assigned to 1	29	3781	20		15
10	MEMORY08 Memory Problems	99	3152	458	31	105
11	DEPRES08 Depression	40	3744	17	17	27
12	PARKNS08 **Parkinson's Disease ** ** Values = 2 are assigned to 1	36	3734	71		4
13	PROST08 Prostate Problems	123	2551	408	76	687
14	KIDNEY08 **Kidneys disease (other than cancer) ** ** Values = 2 are assigned to 1	92	3523	51		179
15	BONE08 **Bone disease (other than cancer) ** ** Values = 2 are assigned to 1	76	3743	16		10
16	CANCER08 **Cancer (except skin cancer) ** ** Values = 2 are assigned to 1	95	3403	151		196
17	ARTHR08 Arthritis	128	3098	246	286	87
18	HEARPR08 Hearing Problems (partial or complete deafness)	91	2902	330	452	70
19	VISPRO08 Vision Problems (partial or complete blindness)	85	3461	173	79	47
20	CATRCT08 Cataract	120	2429	415	193	688

DCOD108 Disease code Disease code 01 to 98 (see above)  
 AGON108 Age at onset Actual age  
 TRT108 Were you inpatient or outpatient 1 = inpatient  
 2 = outpatient  
 DCOD208 Disease code Disease code 01 to 98 (see above)  
 AGON208 Age at onset Actual age  
 TRT208 Were you inpatient or outpatient 1 = inpatient  
 2 = outpatient

VARIABLE	DESCRIPTION		
DCOD308	Disease code		Disease code 01 to 98 (see above)
AGON308	Age at onset		Actual age
TRT308	Were you inpatient or outpatient		1 = inpatient 2 = outpatient
DCOD408	Disease code		Disease code 01 to 98 (see above)
AGON408	Age at onset		Actual Age
TRT408	Were you inpatient or outpatient		1 = inpatient 2 = outpatient
DCOD508	Disease code		Disease code 01 to 98 (see above)
AGON508	Age at onset		Actual Age
TRT508	Were you inpatient or outpatient		1 = inpatient 2 = outpatient
DCOD608	Disease code		Disease code 01 to 98 (see above)
AGON608	Age at onset		Actual Age
TRT608	Were you inpatient or outpatient		1 = inpatient 2 = outpatient
DCOD708	Disease code		Disease code 01 to 98 (see above)
AGON708	Age at onset		Actual Age
TRT708	Were you inpatient or outpatient		1 = inpatient 2 = outpatient
DCOD808	Disease code		Disease code 01 to 98 (see above)
AGON808	Age at onset		Actual Age
TRT808	Were you inpatient or outpatient		1 = inpatient 2 = outpatient
DCOD908	Disease code		Disease code 01 to 98 (see above)
AGON908	Age at onset		Actual Age
TRT908	Were you inpatient or outpatient		1 = inpatient 2 = outpatient
DCOD1008	Disease code		Disease code 01 to 98 (see above)
AGON1008	Age at onset		Actual Age
TRT1008	Were you inpatient or outpatient		1 = inpatient 2 = outpatient
ODHCMP08	Was OTHER DIAGNOSES/HOSPITALIZATIONS completed?	1 20 3824	. = missing/don't know 0 = No 1 = Yes

VARIABLE	DESCRIPTION		
DONE09	Measured walk, gait test	132 81 3600 32	. = missing/don't know 0 = Not able 1 = Able 8 = Not assessed
GAIT09	Type of gait	240 3198 43 51 126 93 94	. = missing/don't know 0 = Normal 1 = Left hemiparetic 2 = Right hemiparetic 3 = Bilateral weakness 4 = Shuffling 5 = Other
AIDS109	**Aids for first walk**	240 140 3465	. = missing/don't know 1 = Yes 2 = No
TIME109	Time for first walk 10 feet		n=3658 miss=187 min=0 max=71 (seconds) mean=4.45 std=3.24
SYEPS109	Number of steps		n=3606 miss=239 min=3 max=76 (steps) mean=7.38 std=2.80
AIDS209	**Aids for second walk**	264 129 3452	. = missing/don't know 1 = Yes 2 = No
TIME209	Time for second walk 10 feet		n=3658 miss=187 min=0 max=50 (seconds) mean=4.33 std=2.82
STEPS209	Number of steps		n=3599 miss=246 min=3 max=70 (steps) mean=7.32 std=2.87
ARMSW09	Arm swing while walking	247 3192 67 71 160 108	. = missing/don't know 0 = Unremarkable 1 = Reduced arm swing, left only 2 = Reduced arm swing, right only 3 = Reduced arm swing, both arms 4 = Uncertain or not observable
TOEL09	Walking on toes, left weakness	194 3235 140 276	. = missing/don't know 0 = No 1 = Yes 8 = Not assessed
TOESR09	Walking on toes, right weakness	199 3233 141 272	. = missing/don't know 0 = No 1 = Yes 8 = Not assessed
TOERS09	If left or right weakness Reason ?	3670 34 141	. = missing/don't know 0 = No 1 = Yes
HEELSL09	Walking on heels, left weakness	197 3192 171 285	. = missing/don't know 0 = No 1 = Yes 8 = Not assessed

VARIABLE	DESCRIPTION		
HEELSF09	Walking on heels, right weakness	201 3190 171 283	. = missing/don't know 0 = No 1 = Yes 8 = Not assessed
HEELRS09	If left or right weakness Reason ?	3652 17 176	. = missing/don't know 0 = No 1 = Yes
STATCL09	Station (15 seconds), eyes closed	145 62 3504 134	. = missing/don't know 0 = No 1 = Yes 8 = Not assessed
STATOP09	Station (15 seconds), eyes open (only if unable to do with eyes closed)	3563 22 133 127	. = missing/don't know 0 = No 1 = Yes 8 = Not assessed
STATRS09	If unable to stand with either eyes closed or open Reason ?	3621 7 17	. = missing/don't know 0 = No 1 = Yes
SSSTD09	Side by Side Stand		n=3599 miss=246 min=0 max=10 mean=9.88 std=1.06
SSSEC09	Side by Side Stand (10 seconds)	136 10 3558 141	. = missing/don't know 0 = No 1 = Yes 8 = Not assessed
STSEC09	Semi-Tandem Stand		n=3572 miss=273 min=0 max=10 mean=9.72 std=1.5
STSTD09	Semi-Tandem Stand	132 28 3514 171	. = missing/don't know 0 = No 1 = Yes 8 = Not assessed
FTSTD09	Full Tandem Stand		n=3543 miss=302 min=0 max=10 mean=8.63 std=2.85
FTSEC09	Full Tandem Stand	136 107 3390 212	. = missing/don't know 0 = No 1 = Yes 8 = Not assessed
PANHD09	Have you had a recent worsening of pain or arthritis in your wrist, or do you have tendinitis?	167 3547 131	. = missing/don't know 0 = No 1 = Yes
SURGHD09	Have you had surgery on your hands or arms during the last 3 months?	159 3673 13	. = missing/don't know 0 = No 1 = Yes
DOMHND09	Dominant hand	139 163 3503 19 10 11	. = missing/don't know 1 = Left 2 = Right 3 = Unable/discontinued 4 = Refused 5 = Not performed for safety reasons

VARIABLE DESCRIPTION

Variable	Label	n	miss	min	max	mean	std
Q11	TRYD109	3672	173	0	55	28.38	7.23
Q12	TRYD209	3670	175	0	54	28.28	7.15
Q13	TRYD309	3670	175	0	53	27.77	7.11

OPPHND09 Repeat for opposite hand

140 . = missing/don't know  
3479 1 = Left  
158 2 = Right  
41 3 = Unable/discontinued  
12 4 = Refused  
15 5 = Not performed for safety reasons

Variable	Label	n	miss	min	max	mean	std
TRYO109	Opposite hand grip strength - 1st try	3646	199	0	48	26.42	6.94
TRYO209	Opposite hand grip strength - 2nd try	3644	201	0	46	25.90	6.78
+TRYO309	Opposite hand grip strength - 3rd try	3644	201	0	47	25.40	6.77

VARIABLE	DESCRIPTION		
LSHROT09	External Shoulder Rotation (left side)	146 84 3425 190	. = missing/don't know 0 = Unable to do 1 = Performed fully 2 = Performed partially
RSHROT09	External Shoulder Rotation (right side)	144 73 3430 198	. = missing/don't know 0 = Unable to do 1 = Performed fully 2 = Performed partially
STD109	Do you think it would be safe for you to try to stand up from a chair without using your arms?	166 197 3482	. = missing/don't know 0 = No 1 = Yes
NRISE109	Number of attempts to rise (including rocking and weight shifting)		n=3556 miss=289 min=0 max=10 mean=1.04 std=0.41
RISE109	Rises	206 30 79 37 -- 28 53 3412	. = missing/don't know 0 = Tried, but unable 1 = Not attempted for safety reasons 2 = Not attempted (chair bound) 3 = Not attempted (no suitable chair) 4 = Not attempted (other reason) 5 = Rises using arms 6 = Rises without using arms
STD509	Do you think it would be safe for you to try to stand up from a chair without using your arms, five times quickly?	188 242 3415	. = missing/don't know 0 = No 1 = Yes
NRISE509	Number completed		n=3484 miss=361 min=0 max=5 mean=4.94 std=0.54
NSEC509	Times if 5 stands done successfully - seconds		n=3442 miss=403 min=4 max=50 mean=11.73 std=3.85
CHAIR09	Chair height - cm		n=3440 miss=405 min=34 max=84 mean=42.56 std=2.26
RISE509	If completion number is less than 5, specify reason	3597 20 140 39 2 47	. = missing/don't know 0 = Tried, but unable 1 = Not attempted for safety reasons 2 = Not attempted (chair bound) 3 = Not attempted (no suitable chair) 4 = Not attempted (other reason)
NRCMP09	Was NEUROLOGICAL EXAM completed?	4 200 3641	. = missing/don't know 0 = No 1 = Yes

VARIABLE            DESCRIPTION

Variable	Description	.	[0]	[1]	[2]	[3]
#1 LONELY10	When I feel lonely, there are several people I can talk to.	574	1919	1013	170	169
#2 TALK10	I often meet or talk with family or friends.	404	2357	855	154	75
#3 HELP10	If I need help, I could easily find someone to help with my daily chores.	431	2332	803	178	101
#4 RPOBS10	When I need suggestions on how to deal with a personal problem, I know someone I can turn to.	440	2367	787	126	125
#5 TRUST10	There is at least one person I know whose advice I really trust.	435	2519	664	117	110
#6 HOUSE10	If I had to go out of town for a few weeks, it would be possible to find someone who would look after my house or apartment (the plants, pets, garden, etc)	437	2728	530	62	88

RELATI10	Other than people you live with, how many relatives do you see or hear from at least once a month?	407 154 381 722 1029 747 405	. = missing/don't know 0 = Zero 1 = One 2 = two 3 = Three to four 4 = Five to eight 5 = Nine or more
CLOSE10	How many relatives do you feel close to? That is, how many of them do you feel at ease with, can talk to about private matters, or can call on for help?	424 131 565 862 1090 560 213	. = missing/don't know 0 = Zero 1 = One 2 = two 3 = Three to four 4 = Five to eight 5 = Nine or more
BETRLT10	Tell me about the relative with whom you have the most contact. How often do you see or hear from that person?	420 76 144 161 434 259 2351	. = missing/don't know 0 = Less than monthly 1 = Monthly 2 = A few times a month 3 = Weekly 4 = A few times a week 5 = Daily
CLSFRD10	Do you have any close friends? That is, do you have any friends with whom you feel at ease, can talk to about private matters, or can call for help? If so, how many?	419 1002 605 793 631 290 105	. = missing/don't know 0 = Zero 1 = One 2 = two 3 = Three to four 4 = Five to eight 5 = Nine or more

VARIABLE	DESCRIPTION		
SEEFR110	How many of these friends do you see or hear from at least once a month?	426 1094 725 774 548 196 82	. = missing/don't know 0 = Zero 1 = One 2 = two 3 = Three to four 4 = Five to eight 5 = Nine or more
SEEFR210	Tell me about the friend with whom you have the most contact. How often do you see or hear from that person?	647 900 408 334 735 467 354	. = missing/don't know 0 = Less than monthly 1 = Monthly 2 = A few times a month 3 = Weekly 4 = A few times a week 5 = Daily
DCSN310	When you have an important decision to make, do you have someone you can talk to about it?	425 140 149 449 294 222 2166	= missing/don't know 0 = Never 1 = seldom 2 = Sometimes 3 = Often 4 = Very often 5 = Always
DCSN210	When other people have an important decision to make, do they talk to you about it?	441 558 502 1184 337 241 582	. = missing/don't know 0 = Never 1 = seldom 2 = Sometimes 3 = Often 4 = Very often 5 = Always
27/15ab	HLPSHP10 (a) Does anybody rely on you to do something for him/her each day? For example: shopping, cooking dinner, doing repairs, cleaning house, providing child care, etc. (b) Do you help anybody with things like shopping, filling out forms, doing repairs, providing child care, etc.	409 831 299 499 207 181 1419	. = missing/don't know 0 = Never 1 = seldom 2 = Sometimes 3 = Often 4 = Very often 5 = Always
27/16	LIVE10 Do you live alone or with other people?	339 1803 1089 274 20 305	. = missing/don't know 6 = Live with spouse only 4 = Live with other relatives or friends 2 = Live alone or with others 0 = Live in nursing home
	*****Modification for Privacy Protection***** IF HSHOLD10 >= 7 THEN HSHOLD10 = 7		n=3482 miss=363 min=1 max=7 mean=2.63 std=1.33
HSHOLD10	How many people live in your household?		
RELYWF10	Whenever you need suggestions on how to deal with a personal problem, can you usually rely on your wife?	995 218 2631	. = missing/don't know 0 = No 1 = Yes
SHRWF10	About how many hours a day do you share activities		n=2854 miss=991 min=0 max=24 mean=6.49 std=4.70

VARIABLE DESCRIPTION

PRTGRP10 Do you participate in any group(s) such as senior citizen995 . = missing/don't know  
 group, social or work group, self-help group, church- 218 0 = No  
 connected group, charity or public service group, club 12632 1 = Yes  
 or the 442nd, or community group such as prefectural  
 society (KENJINKAI)?

Variable	Description	n	miss	min	max	mean	std
GRPTM110	group 1 - times per month participate	1758	2087	0	32	3.01	4.90
GRPHR110	group 1 - hours per time participate	1756	2089	0	30	2.57	2.45
GRPTM210	group 2 - times per month participate	949	2896	0	30	1.57	3.55
GRPHR210	group 2 - hours per time participate	951	2894	0	48	1.76	2.82
GRPTM310	group 3 - times per month participate	643	3202	0	30	0.77	2.74
GRPHR310	group 3 - hours per time participate	642	3203	0	24	0.87	1.86
GRPTM410	group 4 - times per month participate	540	3305	0	12	0.24	1.11
GRPHR410	group 4 - hours per time participate	540	3305	0	32	0.36	1.75

SSNCMP10 Was SOCIAL SUPPORT and NETWORKS completed? 27 . = missing/don't know  
 319 0 = No  
 3499 1 = Yes



VARIABLE	DESCRIPTION		
WHMILE10	Do you have any difficulty walking one-half mile? (about 564 or 6 blocks)	2960 774 47	. = missing/don't know 0 = No 1 = Yes 2 = Could do it, but don't for other reason
WHMDIF10	How much difficulty do you have?	3085 300 198 262	. = missing/don't know 1 = Some 2 = A lot 3 = Unable to do
WHMTIM10	For how long have you had difficulty or been unable to do this activity?		n=471 miss=3374 min=0 max=60 mean=4.86 max=7.78
WHMSYM10	What is the main symptom that causes you to have difficulty or prevents you from doing the activity?	3357 6 39  110 17 36  42 40 111 53 5 3 26	. = missing/don't know 01 = Chest pain or discomfort 02 = Shortness of breath Pain/discomfort in : 03 = Joints (knees, feet, hips) 04 = Calves, thighs 05 = Back Weakness/paralysis in: 06 = Right leg 07 = Left leg 08 = Both legs 09 = General fatigue/weakness 10 = Poor vision 11 = Poor hearing 12 = Other
WHMDIS10	What is the main condition that causes you to have difficulty or prevents you from doing the activity?	3392 18 39 19  8  120 3 54 107 1 84	. = missing/don't know 01 = Heart disease (angina, CHF, etc) 02 = Stroke 03 = Lung disease (emphysema, asthma, bronchitis, etc) 04 = Diabetes 05 = High blood pressure 06 = Arthritis/other musculoskeletal 07 = Cancer 08 = Injury 09 = Old Age 10 = Dementia or mental illness 11 = Other
WHOME10	Do you have any difficulty walking around in your house?	2991 629 225 --	. = missing/don't know 0 = No 1 = Yes 2 = Could do it, but don't for other reason
WHODIF10	How much difficulty do you have?	3619 91 60 75	. = missing/don't know 1 = Some 2 = A lot 3 = Unable to do
WHOTIM10	For how long have you had difficulty or been unable to do this activity?		n=74 miss=3771 min=0 max=30 mean=4.95 std=6.23

VARIABLE	DESCRIPTION		
WHOSYM10	What is the main symptom that causes you to have difficulty or prevents you from doing the activity?	3768	. = missing/don't know
		--	01 = Chest pain or discomfort
		4	02 = Shortness of breath
			Pain/discomfort in :
		17	03 = Joints (knees, feet, hips)
		3	04 = Calves, thighs
		3	05 = Back
			Weakness/paralysis in:
		10	06 = Right leg
		6	07 = Left leg
		20	08 = Both legs
		5	09 = General fatigue/weakness
		2	10 = Poor vision
		1	11 = Poor hearing
		6	12 = Other
WHODIS10	What is the main condition that causes you to have difficulty or prevents you from doing the activity?	3772	. = missing/don't know
		3	01 = Heart disease (angina, CHF, etc)
		13	02 = Stroke
		3	03 = Lung disease (emphysema, asthma, bronchitis, etc)
		2	04 = Diabetes
		--	05 = High blood pressure
		16	06 = Arthritis/other musculoskeletal
		--	07 = Cancer
		7	08 = Injury
		12	09 = Old Age
		1	10 = Dementia or mental illness
		16	11 = Other
BED10	Do you have any difficulty getting out of bed or chair?	2970	. = missing/don't know
		595	0 = No
		280	1 = Yes
		--	2 = Could do it, but don't for other reason
BEDDIF10	How much difficulty do you have?	3566	. = missing/don't know
		138	1 = Some
		73	2 = A lot
		68	3 = Unable to do
BEDTIM10	For how long have you had difficulty or been unable to do this activity?		n=112 miss=3733
			min=0 max=40
			mean=5.28 std=7.20
BEDSYM10	What is the main symptom that causes you to have difficulty or prevents you from doing the activity?	3725	. = missing/don't know
		--	01 = Chest pain or discomfort
		2	02 = Shortness of breath
			Pain/discomfort in :
		27	03 = Joints (knees, feet, hips)
		1	04 = Calves, thighs
		16	05 = Back
			Weakness/paralysis in:
		12	06 = Right leg
		11	07 = Left leg
		22	08 = Both legs
		14	09 = General fatigue/weakness
		2	10 = Poor vision
		1	11 = Poor hearing
		12	12 = Other

VARIABLE	DESCRIPTION		
BEDDIS10	What is the main condition that causes you to have difficulty or prevents you from doing the activity?	3735 2 17 1 2 -- 29 1 17 16 1 24	. = missing/don't know 01 = Heart disease (angina, CHF, etc) 02 = Stroke 03 = Lung disease (emphysema, asthma, bronchitis, etc) 04 = Diabetes 05 = High blood pressure 06 = Arthritis/other musculoskeletal 07 = Cancer 08 = Injury 09 = Old Age 10 = Dementia or mental illness 11 = Other
STEPS10	Do you have any difficulty walking up a flight of stairs? (that is about 10 steps)	45 3190 585 25	. = missing/don't know 0 = No 1 = Yes 2 = Could do it, but don't for other reason
STPDIF10	How much difficulty do you have?	3258 313 145 129	. = missing/don't know 1 = Some 2 = A lot 3 = Unable to do
STPTIM10	For how long have you had difficulty or been unable to do this activity?		n=337 miss=3508 min=0 max=50 mean=5.18 SDF=7.50
STPSYM10	What is the main symptom that causes you to have difficulty or prevents you from doing the activity?	3489 3 43 85 4 20 29 28 74 41 5 2 22	. = missing/don't know 01 = Chest pain or discomfort 02 = Shortness of breath Pain/discomfort in : 03 = Joints (knees, feet, hips) 04 = Calves, thighs 05 = Back Weakness/paralysis in: 06 = Right leg 07 = Left leg 08 = Both legs 09 = General fatigue/weakness 10 = Poor vision 11 = Poor hearing 12 = Other
STPDIS10	What is the main condition that causes you to have difficulty or prevents you from doing the activity?	3517 17 29 16 7 1 83 2 41 81 -- 51	. = missing/don't know 01 = Heart disease (angina, CHF, etc) 02 = Stroke 03 = Lung disease (emphysema, asthma, bronchitis, etc) 04 = Diabetes 05 = High blood pressure 06 = Arthritis/other musculoskeletal 07 = Cancer 08 = Injury 09 = Old Age 10 = Dementia or mental illness 11 = Other

VARIABLE	DESCRIPTION		
HHWORK10	Because of health or physical problems, do you have any difficulty with heavy work like: washing the car, cleaning up the garage, or yard work (like raking leaves, mowing)?	50 2827 758 210	. = missing/don't know 0 = No 1 = Yes 2 = Could do it, but don't for other reason
HHWDIF10	How much difficulty do you have?	3096 241 149 359	. = missing/don't know 1 = Some 2 = A lot 3 = Unable to do
HHWTIM10	For how long have you had difficulty or been unable to do this activity?		n=429 miss=3416 min=0 max=60 mean=5.45 std=8.31
HHWSYM10	What is the main symptom that causes you to have difficulty or prevents you from doing the activity?	3402 14 44 57 5 63 22 16 56 99 9 3 55	01 = Chest pain or discomfort 02 = Shortness of breath Pain/discomfort in : 03 = Joints (knees, feet, hips) 04 = Calves, thighs 05 = Back Weakness/paralysis in: 06 = Right leg 07 = Left leg 08 = Both legs 09 = General fatigue/weakness 10 = Poor vision 11 = Poor hearing 12 = Other
HHWDIS10	What is the main condition that causes you to have difficulty or prevents you from doing the activity?	3431 29 40 29 8 -- 72 3 49 -- 2 73	. = missing/don't know 01 = Heart disease (angina, CHF, etc) 02 = Stroke 03 = Lung disease (emphysema, asthma, bronchitis, etc) 04 = Diabetes 05 = High blood pressure 06 = Arthritis/other musculoskeletal 07 = Cancer 08 = Injury 09 = Old Age 10 = Dementia or mental illness 11 = Other
LHWORK10	Because of health or physical problems, do you have any difficulty with light house work like washing or drying dishes, making a bed, tidying up workshop or room?	2880 607 233 125	. = missing/don't know 0 = No 1 = Yes 2 = Could do it, but don't for other reason
LHWDIF10	How much difficulty do you have?	3612 44 30 159	. = missing/don't know 1 = Some 2 = A lot 3 = Unable to do
LHWTIM10	For how long have you had difficulty or been unable to do this activity?		n=74 miss=3771 min=0 max=50 mean=4.61 std=7.47

VARIABLE	DESCRIPTION		
LHWSYM10	What is the main symptom that causes you to have difficulty or prevents you from doing the activity?	3767	. = missing/don't know
		--	01 = Chest pain or discomfort
		2	02 = Shortness of breath
		10	Pain/discomfort in :
		1	03 = Joints (knees, feet, hips)
		6	04 = Calves, thighs
		4	05 = Back
		3	Weakness/paralysis in:
		19	06 = Right leg
		15	07 = Left leg
		3	08 = Both legs
		1	09 = General fatigue/weakness
		14	10 = Poor vision
			11 = Poor hearing
			12 = Other
LHWDIS10	What is the main condition that causes you to have difficulty or prevents you from doing the activity?	3771	. = missing/don't know
		2	01 = Heart disease (angina, CHF, etc)
		16	02 = Stroke
		1	03 = Lung disease (emphysema, asthma, bronchitis, etc)
		2	04 = Diabetes
		--	05 = High blood pressure
		14	06 = Arthritis/other musculoskeletal
		--	07 = Cancer
		8	08 = Injury
		11	09 = Old Age
		3	10 = Dementia or mental illness
		17	11 = Other
SHOP10	Because of health or physical problems, do you have any difficulty with shopping for personal items?	37	. = missing/don't know
		3209	0 = No
		326	1 = Yes
		273	2 = Could do it, but don't for other reason
SHPDIF10	How much difficulty do you have?	3520	. = missing/don't know
		55	1 = Some
		50	2 = A lot
		220	3 = Unable to do
SHPTIM10	For how long have you had difficulty or been unable to do this activity?		n=110 miss=3735
			min=0 max=78
			mean=7.51 std=13.89
SHPSYM10	What is the main symptom that causes you to have difficulty or prevents you from doing the activity?	3731	. = missing/don't know
		--	01 = Chest pain or discomfort
		4	02 = Shortness of breath
		15	Pain/discomfort in :
		1	03 = Joints (knees, feet, hips)
		4	04 = Calves, thighs
		7	05 = Back
		4	Weakness/paralysis in:
		22	06 = Right leg
		19	07 = Left leg
		14	08 = Both legs
		1	09 = General fatigue/weakness
		23	10 = Poor vision
			11 = Poor hearing
			12 = Other

VARIABLE	DESCRIPTION		
SHPDIS10	What is the main condition that causes you to have difficulty or prevents you from doing the activity?	3737	. = missing/don't know
		2	01 = Heart disease (angina, CHF, etc)
		18	02 = Stroke
		3	03 = Lung disease (emphysema, asthma, bronchitis, etc)
		3	04 = Diabetes
		1	05 = High blood pressure
		15	06 = Arthritis/other musculoskeletal
		--	07 = Cancer
		10	08 = Injury
		26	09 = Old Age
		9	10 = Dementia or mental illness
21	11 = Other		
PRERAR10	Because of health or physical problems, do you have any difficulty with preparing your meals?	67	. = missing/don't know
		2588	0 = No
		248	1 = Yes
		942	2 = Could do it, but don't for other reason
PRPDIF10	How much difficulty do you have?	3601	. = missing/don't know
		19	1 = Some
		30	2 = A lot
		195	3 = Unable to do
PRPTIM10	For how long have you had difficulty or been unable to do this activity?		n=60 miss=3785 min=0 max=88 mean=9.15 sDF=17.34
PRPSYM10	What is the main symptom that causes you to have difficulty or prevents you from doing the activity?	3780	. = missing/don't know
		--	01 = Chest pain or discomfort
		1	02 = Shortness of breath
			Pain/discomfort in :
		4	03 = Joints (knees, feet, hips)
		--	04 = Calves, thighs
		2	05 = Back
			Weakness/paralysis in:
		3	06 = Right leg
		4	07 = Left leg
		11	08 = Both legs
--	09 = General fatigue/weakness		
7	10 = Poor vision		
--	11 = Poor hearing		
25	12 = Other		
PRPDIS10	What is the main condition that causes you to have difficulty or prevents you from doing the activity?	3784	. = missing/don't know
		--	01 = Heart disease (angina, CHF, etc)
		11	02 = Stroke
		1	03 = Lung disease (emphysema, asthma, bronchitis, etc)
		1	04 = Diabetes
		--	05 = High blood pressure
		6	06 = Arthritis/other musculoskeletal
		--	07 = Cancer
		5	08 = Injury
		11	09 = Old Age
		8	10 = Dementia or mental illness
18	11 = Other		

VARIABLE	DESCRIPTION		
PAY10	Because of health or physical problems, do you have any difficulty with managing your money such as paying bills, writing checks, etc?	48 134 257 406	. = missing/don't know 0 = No 1 = Yes 2 = Could do it, but don't for other reason
PAYDIF10	How much difficulty do you have?	3590 21 29 205	. = missing/don't know 1 = Some 2 = A lot 3 = Unable to do
PAYTIM10	For how long have you had difficulty or been unable to do this activity?		n=61 miss=3784 min=0 max=70 mean=6.97 std=11.63
PAYSYM10	What is the main symptom that causes you to have difficulty or prevents you from doing the activity?	3782 -- -- 1 -- 1 1 -- 4 4 9 1 42	. = missing/don't know 01 = Chest pain or discomfort 02 = Shortness of breath Pain/discomfort in : 03 = Joints (knees, feet, hips) 04 = Calves, thighs 05 = Back Weakness/paralysis in: 06 = Right leg 07 = Left leg 08 = Both legs 09 = General fatigue/weakness 10 = Poor vision 11 = Poor hearing 12 = Other
PAYDIS10	What is the main condition that causes you to have difficulty or prevents you from doing the activity?	3778 -- 12 -- 2 -- 2 -- 1 15 12 23	. = missing/don't know 01 = Heart disease (angina, CHF, etc) 02 = Stroke 03 = Lung disease (emphysema, asthma, bronchitis, etc) 04 = Diabetes 05 = High blood pressure 06 = Arthritis/other musculoskeletal 07 = Cancer 08 = Injury 09 = Old Age 10 = Dementia or mental illness 11 = Other
PHONE10	Because of health or physical problems, do you have any difficulty using the telephone?	23 3147 629 46	. = missing/don't know 0 = No 1 = Yes 2 = Could do it, but don't for other reason
PHNDIF10	How much difficulty do you have?	3217 330 171 127	. = missing/don't know 1 = Some 2 = A lot 3 = Unable to do
PHNTIM10	For how long have you had difficulty or been unable to do this activity?		n=408 miss=3437 min=0 max=76 mean=8.48 std=10.69

VARIABLE	DESCRIPTION		
EATDIF10	How much difficulty do you have?	3757 35 16 37	. = missing/don't know 1 = Some 2 = A lot 3 = Unable to do
EATTIM10	For how long have you had difficulty or been unable to do this activity?		n=18 miss=3827 min=0 max=28 mean=6.50 std=7.37
EATSYM10	What is the main symptom that causes you to have difficulty or prevents you from doing the activity?	3827 -- -- 1 -- -- -- -- 3 1 -- 13	. = missing/don't know 01 = Chest pain or discomfort 02 = Shortness of breath Pain/discomfort in : 03 = Joints (knees, feet, hips) 04 = Calves, thighs 05 = Back Weakness/paralysis in: 06 = Right leg 07 = Left leg 08 = Both legs 09 = General fatigue/weakness 10 = Poor vision 11 = Poor hearing 12 = Other
EATDIS10	What is the main condition that causes you to have difficulty or prevents you from doing the activity?	3828 -- 7 -- -- -- 1 -- 1 1 4 3	. = missing/don't know 01 = Heart disease (angina, CHF, etc) 02 = Stroke 03 = Lung disease (emphysema, asthma, bronchitis, etc) 04 = Diabetes 05 = High blood pressure 06 = Arthritis/other musculoskeletal 07 = Cancer 08 = Injury 09 = Old Age 10 = Dementia or mental illness 11 = Other
DRESS10	Because of health or physical problems, do you have any difficulty dressing yourself (like putting on a shirt, buttons and zipping, or putting on/tying shoes)?	16 3645 212 2	. = missing/don't know 0 = No 1 = Yes 2 = Could do it, but don't for other reason
DRSDIF10	How much difficulty do you have?	3663 96 42 74	. = missing/don't know 1 = Some 2 = A lot 3 = Unable to do 9 = Don't know
DRSTIM10	For how long have you had difficulty or been unable to do this activity?		n=67 miss=3778 min=0 max=30 mean=4.30 std=6.24

VARIABLE	DESCRIPTION		
DRSSYM10	What is the main symptom that causes you to have difficulty or prevents you from doing the activity?	3776	. = missing/don't know 01 = Chest pain or discomfort 02 = Shortness of breath Pain/discomfort in : 03 = Joints (knees, feet, hips) 04 = Calves, thighs 05 = Back Weakness/paralysis in: 06 = Right leg 07 = Left leg 08 = Both legs 09 = General fatigue/weakness 10 = Poor vision 11 = Poor hearing 12 = Other
		--	
		--	
		9	
		1	
		9	
		5	
		4	
		11	
		9	
		--	
		1	
		19	
DRSDIS10	What is the main condition that causes you to have difficulty or prevents you from doing the activity?	3781	. = missing/don't know 01 = Heart disease (angina, CHF, etc) 02 = Stroke 03 = Lung disease (emphysema, asthma, bronchitis, etc) 04 = Diabetes 05 = High blood pressure 06 = Arthritis/other musculoskeletal 07 = Cancer 08 = Injury 09 = Old Age 10 = Dementia or mental illness 11 = Other
		1	
		15	
		--	
		1	
		--	
		14	
		--	
		5	
		11	
		6	
		11	
BATHE10	Because of health or physical problems, do you have any difficulty bathing or taking a shower?	17	. = missing/don't know 0 = No 1 = Yes 2 = Could do it, but don't for other reason
		3616	
		211	
		1	
BTHDIF10	How much difficulty do you have?	3633	. = missing/don't know 1 = Some 2 = A lot 3 = Unable to do
		63	
		40	
		109	
BHTIM10	For how long have you had difficulty or been unable to do this activity?		n=46 miss=3799 min=0 max=50 mean=5.91 std=10.60
BTHSYM10	What is the main symptom that causes you to have difficulty or prevents you from doing the activity?	3796	. = missing/don't know 01 = Chest pain or discomfort 02 = Shortness of breath Pain/discomfort in : 03 = Joints (knees, feet, hips) 04 = Calves, thighs 05 = Back Weakness/paralysis in: 06 = Right leg 07 = Left leg 08 = Both legs 09 = General fatigue/weakness 10 = Poor vision 11 = Poor hearing 12 = Other
		--	
		1	
		8	
		--	
		2	
		2	
		5	
		10	
		8	
		1	
		--	
		12	

VARIABLE	DESCRIPTION		
BTHDIS10	What is the main condition that causes you to have difficulty or prevents you from doing the activity?	3798 2 11 -- -- 8 -- 6 4 7 9	. = missing/don't know 01 = Heart disease (angina, CHF, etc) 02 = Stroke 03 = Lung disease (emphysema, asthma, bronchitis, etc) 04 = Diabetes 05 = High blood pressure 06 = Arthritis/other musculoskeletal 07 = Cancer 08 = Injury 09 = Old Age 10 = Dementia or mental illness 11 = Other
TOILET10	Because of health or physical problems, do you have any difficulty getting to or using the toilet?	17 3690 137 1	. = missing/don't know 0 = No 1 = Yes 2 = Could do it, but don't for other reason
TLTDIF10	How much difficulty do you have?	3707 39 23 76	. = missing/don't know 1 = Some 2 = A lot 3 = Unable to do
TLTTIM10	For how long have you had difficulty or been unable to do this activity?		n=26 miss=3819 min=0 max=30 mean=6.12 std=7.90
TLTSYM10	What is the main symptom that causes you to have difficulty or prevents you from doing the activity?	3818 -- -- 3 -- -- 2 3 8 4 1 -- 6	. = missing/don't know 01 = Chest pain or discomfort 02 = Shortness of breath Pain/discomfort in : 03 = Joints (knees, feet, hips) 04 = Calves, thighs 05 = Back Weakness/paralysis in: 06 = Right leg 07 = Left leg 08 = Both legs 09 = General fatigue/weakness 10 = Poor vision 11 = Poor hearing 12 = Other
TLTDIS10	What is the main condition that causes you to have difficulty or prevents you from doing the activity?	3818 -- 10 -- -- -- 10 -- 2 2 6 4	. = missing/don't know 01 = Heart disease (angina, CHF, etc) 02 = Stroke 03 = Lung disease (emphysema, asthma, bronchitis, etc) 04 = Diabetes 05 = High blood pressure 06 = Arthritis/other musculoskeletal 07 = Cancer 08 = Injury 09 = Old Age 10 = Dementia or mental illness 11 = Other

VARIABLE	DESCRIPTION		
LIFTNG10	Do you have any difficulty lifting or carrying something as heavy as 10 pounds? (such as a bag of groceries)	46 3453 307 39	. = missing/don't know 0 = No 1 = Yes 2 = Could do it, but don't for other reason
LFTDIF10	How much difficulty do you have?	3542 79 55 169	. = missing/don't know 1 = Some 2 = A lot 3 = Unable to do
LFTTIM10	For how long have you had difficulty or been unable to do this activity?		n=128 miss=3717 min=0 max=50 mean=5.11 std=8.08
LFTTEXT10	Which extremity causes the problem?	3715 12 15 26 77	. = missing/don't know 1 = Left arm/hand 2 = Right arm/hand 3 = Both arm/hands 4 = Other
LFTSYM10	What is the main symptom that causes you to have difficulty or prevents you from doing the activity?	3712 11 20 6 7 9 30 50	. = missing/don't know 1 = Pain arm/hand 2 = Numbness/paralysis of arm/hand 3 = Stiffness arm/hand 4 = Chest pain/discomfort 5 = Shortness of breath 6 = Back Pain 7 = Other
LFTDIS10	What is the main symptom that causes you to have difficulty or prevents you from doing the activity?	3712 10 21 4 1 -- 33 1 16 22 1 24	. = missing/don't know 01 = Heart disease (angina, CHF, etc) 02 = Stroke 03 = Lung disease (emphysema, asthma, bronchitis, etc) 04 = Diabetes 05 = High blood pressure 06 = Arthritis/other musculoskeletal 07 = Cancer 08 = Injury 09 = Old Age 10 = Dementia or mental illness 11 = Other
REACH10	Do you have difficulty reaching out and above your head with your arms?	36 3550 245 14	. = missing/don't know 0 = No 1 = Yes 2 = Could do it, but don't for other reason
RCHDIF10	How much difficulty do you have?	3601 121 48 75	. = missing/don't know 1 = Some 2 = A lot 3 = Unable to do
RCHTIM10	For how long have you had difficulty or been unable to do this activity?		n=133 miss=3712 min=0 max=74 mean=6.67 std=11.28

VARIABLE	DESCRIPTION		
RCHEXT10	Which extremity causes the problem?	3712	. = missing/don't know
		33	1 = Left arm/hand
		46	2 = Right arm/hand
		37	3 = Both arm/hands
		17	4 = Other
RCHSYM10	What is the main symptom that causes you to have difficulty or prevents you from doing the activity?	3714	. = missing/don't know
		46	1 = Pain arm/hand
		12	2 = Numbness/paralysis of arm/hand
		35	3 = Stiffness arm/hand)
		3	4 = Chest pain/discomfort
		--	5 = Shortness of breath
		5	6 = Back Pain
		30	7 = Other
RCHDIF10	What is the main condition that causes you to have difficulty or prevents you from doing the activity?	3720	. = missing/don't know
		--	01 = Heart disease (angina, CHF, etc)
		17	02 = Stroke
		--	03 = Lung disease (emphysema, asthma, bronchitis, etc)
		--	04 = Diabetes
		--	05 = High blood pressure
		45	06 = Arthritis/other musculoskeletal
		3	07 = Cancer
		24	08 = Injury
		23	09 = Old Age
		--	10 = Dementia or mental illness
		13	11 = Other
GRIPNG10	Do you have any difficulty gripping small objects with your hands?	21	. = missing/don't know
		3642	0 = No
		178	1 = Yes
		4	2 = Could do it, but don't for other reason
GRPDIF10	How much difficulty do you have?	3668	. = missing/don't know
		98	1 = Some
		34	2 = A lot
		45	3 = Unable to do
GRPTIM10	For how long have you had difficulty or been unable to do this activity?		n=103 miss=3742 min=0 max=76 mean=8.04 std=13.10
GRPEXT10	Which extremity causes the problem?	3739	. = missing/don't know
		26	1 = Left arm/hand
		20	2 = Right arm/hand
		52	3 = Both arm/hands
		8	4 = Other
GRPSYM10	What is the main symptom that causes you to have difficulty or prevents you from doing the activity?	3741	. = missing/don't know
		16	1 = Pain arm/hand
		30	2 = Numbness/paralysis of arm/hand
		30	3 = Stiffness arm/hand)
		--	4 = Chest pain/discomfort
		--	5 = Shortness of breath
		--	6 = Back Pain
		28	7 = Other

VARIABLE	DESCRIPTION		
GRPDIS10	What is the main condition that causes you to have difficulty or prevents you from doing the activity?	3749	. = missing/don't know
		1	01 = Heart disease (angina, CHF, etc)
		19	02 = Stroke
		--	03 = Lung disease (emphysema, asthma, bronchitis, etc)
		4	04 = Diabetes
		--	05 = High blood pressure
		29	06 = Arthritis/other musculoskeletal
		1	07 = Cancer
		7	08 = Injury
		11	09 = Old Age
		1	10 = Dementia or mental illness
23	11 = Other		
PFCMPL10	Was PHYSICAL FUNCTIONING completed?	18	0 = No
		3827	1 = Yes
IMPHR12	Did the participant have an impairment of hearing that interfered with the examination?	48	. = missing/don't know
		2712	0 = No
		747	1 = Mild
		246	2 = Moderate
		92	3 = Severe
IMPVS12	Did the participant have an impairment of vision that interfered with the examination?	51	. = missing/don't know
		3627	0 = No
		113	1 = Mild
		33	2 = Moderate
		21	3 = Severe
IMPSP12	Did the participant have an impairment of speech that interfered with his ability to answer questions?	46	. = missing/don't know
		3634	0 = No
		88	1 = Yes
		77	2 = Mixed/Uncertain
ALERT12	Did the participant seem awake and alert?	52	. = missing/don't know
		72	0 = No
		3532	1 = Yes
		189	2 = Mixed/Uncertain
ORIENT12	Did the participant seem oriented, and did he seem to understand the questions and instructions?	56	. = missing/don't know
		91	0 = No
		3313	1 = Yes
		385	3 = Mixed/Uncertain
APPROP12	Did the participant's affect and behavior generally appropriate and normal?	51	. = missing/don't know
		3484	1 = Yes
		107	2 = Appeared depressed
		49	3 = Appeared agitated
		154	4 = Other unusual/inappropriate affect
BEST12	In your judgement, did the participant try to answer questions and carry out instructions to the best of his ability?	48	. = missing/don't know
		74	0 = No
		3553	1 = Yes
		170	3 = Mixed/Uncertain
PARKNS12	In your judgement, did the participant appear to show signs of Parkinsonism?	57	. = missing/don't know
		3512	0 = No
		198	1 = Possibly
		19	2 = Probably
		59	3 = Definitely

VARIABLE	DESCRIPTION		
PROXY12	How much of the interview was provided by a proxy informant?	48 3407 252 66 72	. = missing/don't know 0 = None 1 = Some 2 = Most 3 = All
PRXRSN12	If any answer other than "None" is given to question 9 what was the main reason for information being given by the proxy?	3495 39 193 10 108	. = missing/don't know 1 = Participant had a problem with speech such as stroke or mechanical problem with mouth or throat 2 = Participant was confused or unable to remember information 3 = Participant had other mental problem 4 = Other _____
LANGUG12	Language in which the interview was conducted.	774 2677 156 26 14 32 96 52 3 15	. = missing/don't know 0 = Entirely English - no problems with language 1 = English, but some language problems encountered 2 = English, validity uncertain or poor 3 = Japanese; interviewer spoke Japanese 4 = Mixed; interviewer spoke Japanese and English 5 = Japanese; with H.P. interpreter (full translation) 6 = Mixed; with H.P. interpreter 7 = Japanese; with family member/friend interpreter 8 = Mixed: with family member/friend interpreter
EXMCMP12	Was the examination completed?	110 497 3238	. = missing/don't know 0 = No 1 = Yes
WHYINC12	If examination was not completed, what was the main reason?	3358 95 25 23 41 6 149 14 134	. = missing/don't know 1 = Physical or sensory problems 2 = Mental or cognitive problems 3 = Emotional problems, like irritation, anger, agitation, anxiety 4 = Fatigue 5 = Illness 6 = Scheduling conflict 7 = Reasons unrelated to participant, such as equipment failure, etc. 8 = Other

VARIABLE            DESCRIPTION

NECK13            Carotid bruit

660            . = missing/don't know  
 3067           0 = Absent  
   38           1 = Right only  
   44           2 = Left only  
   32           3 = Bilateral  
   4            8 = Not assessed

. = missing/don't know  
 [0] = No  
 [1] = Yes  
 [8] = Not assessed

Variable	Description	.	[0]	[1]	[8]	
2	HRTSM13	Heart a. Murmur - systolic	658	2573	609	5
2a	HRTDM13	Heart b. Murmur - diastolic	662	3157	21	5
3	LUNG13	Bilateral rales that do not clear with coughing	659	2979	202	5
4a	ABDLIV13	Abdomen a. Liver span 10 cm or more	659	3088	78	20
4b	ABDOTH13	Abdomen b. other	672	2790	365	18
5	EXTREM13	Extremities - Pitting ankle edema	667	2895	279	4
6a	UPEXTA13	Upper Extremities - a. Resting tremor, right	658	3074	106	7
6b	UPEXTB13	Upper Extremities - b. Resting tremor, left	658	3063	114	10
6c	UPEXTC13	Upper Extremities - c. Rigidity, right	658	3043	135	9
6d	UPEXTD13	Upper Extremities - d. Rigidity, left	658	3038	133	16
6e	UPEXTE13	Upper Extremities - e. Cog-wheeling, right	658	3100	77	10
6f	UPEXTF13	Upper Extremities - f. Cog-wheeling, left	658	3076	95	16
6g	UPEXTG13	Upper Extremities - g. Weak or flaccid, right	658	3119	46	22
6h	UPEXTH13	Upper Extremities - h. Weak or flaccid, left	658	3117	42	28

VARIABLE            DESCRIPTION

. = missing/don't know  
 [0] = No  
 [1] = Yes  
 [2] = Possible

Variable	Description	.	[0]	[1]	[2]
Q7	ECGABN13	ECG abnormality	664	874	2145 162
Q8	ANGINA13	Angina Pectoris	684	2793	278 90
Q9	CORINS13	Coronary Insufficiency	684	2934	128 99
Q10	MI13	Myocardial Infarction	701	2766	263 115
Q11	TIA13	Transient cerebral ischemic attack	681	3044	44 76
Q12	STROKE13	Stroke	677	2938	117 113
Q13	CHF13	Congestive heart failure	680	3064	34 67
Q14	PVD13	Peripheral vascular disease	670	2751	120 304
Q15	OTHCV13	Other CVD	682	1416	1374 373
Q16	PULMDS13	Pulmonary disease	686	2237	270 652
Q17	PARKIN13	Parkinsonism	681	3054	31 79
Q18	DEMENT13	Dementia	668	2840	56 281
Q19	HRIMP13	Hearing Impairment	666	2252	714 213
Q20	VISIMP13	Vision Impairment	670	2799	308 68

RFNEYR13	Refer to neurologist	665 3147 33	. = missing/don't know 0 = No 1 = Yes
OBTREL13	obtain old records	668 2840 337	. = missing/don't know 0 = No 1 = Yes
PEECMP13	Was PHYSICAL EXAM and EVALUATION completed?	47 624 3174	. = missing/don't know 0 = No 1 = Yes

VARIABLE	DESCRIPTION		
ASPRIN17	Do you take aspirin regularly, that is, everyday or almost everyday?	377 2725 743	. = missing/don't know 0 = No 1 = Yes
ASP6MO17	During the past 20 years, was there ever a time lasting at least 6 months that you took aspirin everyday or almost everyday?	142 2585 118	. = missing/don't know 0 = No 1 = Yes
ASPLNG17	How long have you taking aspirin daily or almost daily?	3058 17 22 77 56 229 179 117 90	. = missing/don't know 0 = Not taking now 1 = Less than 1 month 2 = 1 to 5 months 3 = 6 to 11 months 4 = 1 year to 1 years 11 months 5 = 3 years to 5 years 11 months 6 = 6 to 10 years 7 = More than 10 years
ANTACD17	Have you ever taken antacids such as TUMS, MYLANTA, MAALOX, or GELUSIL at least once a day for a month longer?	391 3124 330	. = missing/don't know 0 = No 1 = Yes
ANTTIM17	How many different times in your life have you taken antacids daily for at least one month?	3534 49 187 30 23 22	. = missing/don't know 0 = None 1 = One time 2 = Twice 3 = Three times 4 = Four times or more

. = missing/don't know  
[0] = No  
[1] = Yes

Variable	Description (antacids brand name)	.	[0]	[1]
TUMS17	TUMS	3561	171	113
ROLAID17	ROLAIDS	3575	226	44
MYLANT17	MYLANTA	3557	154	134
MALLOX17	MAALOX	3573	236	36
GELUS17	GELUSIL	3579	236	30
ALUDR17	ALUDROX	3580	265	--
DEGEL17	DI-GEL	3578	258	9
GAVISCON17	GAVISCON	3581	263	1
RIOPAN17	RIOPAN	3579	262	4
TEMP17	TEMPO	3580	264	1
OTHER117	OTHER 1	3590	210	45
OTHER217	OTHER 2	3604	236	5

VARIABLE	DESCRIPTION		
SEVINJ17	Have you ever had an injury so severe that you lost consciousness?	377 3144 324	. = missing/don't know 0 = No 1 = Yes
NOINJ17	If "Yes", how many such injuries have you had? * *Values > 2 are assigned the value 2		n=319 miss=3526 min=1 max=2 mean=1.26 std=2.21

	Most recent	2nd most recent	3rd most recent
b. When did it occur...	I1WHEN17	I2WHEN17	I3WHEN17
. missing/don't know	3529	3822	3842
0 Less than one year ago	7	1	--
1 More than a year but less than 2	5	1	--
2 2-4 years ago	8	--	--
3 5-7 years ago	13	--	--
4 8-10 years ago	14	1	--
5 11-19 years ago	22	3	--
6 20-29 years ago	33	1	--
7 30+ years ago	214	16	3

c. What sort of injury was it?	I1SORT17	I2SORT17	I3SORT17
. missing/don't know	3535	3824	3842
1 Head Injury	151	13	2
2 Near drowning	--	--	--
3 Electric shock	4	--	--
4 Trauma not primary involuntary the head		47	4
5 Other	108	4	--

VARIABLE            DESCRIPTION

	Most recent	2nd most recent	3rd most recent
d. Did you see a doctor?	I1DOCT17	I2DOCT17	I3DOCT17
-----			
. missing/don't know	3528	3822	3842
0 No	53	8	1
1 Yes	264	15	2
-----			

e. Did you go to a hospital?	I1HOSP17	I2HOSP17	I3HOSP17
-----			
. missing/don't know	3526	3823	3842
0 No	83	11	1
1 Yes	236	11	2
-----			

f. How long were you unconscious?	I1LONG17	I2LONG17	I3LONG17
-----			
. missing/don't know	3601	3826	3842
0 Not definitely unconscious	8	2	--
1 A few seconds or less	33	2	--
2 About a minute or less	23	1	--
3 1-2 minutes	27	4	1
4 3-5 minutes	18	3	1
5 6-9 minutes	6	--	--
6 10 minutes to one hour	57	4	--
7 More than one hour	72	3	1
-----			

g. After you recovered...	I1RMBR17	I2RMBR17	I3RMBR17
-----			
. missing/don't know	3538	3823	3842
0 No - I lost my memory...	30	1	--
1 Yes - some memory loss...	26	--	--
2 Yes - no difficulty remembering...	251	21	3
-----			

AAACMP17    Were ASPIRIN and ANTACIDS, ACCIDENTS and INJURIES completed?

. = missing/don't know  
0 = No  
1 = Yes

VARIABLE	DESCRIPTION		
NOCHLD17	How many children have you had?		n=3439 miss=406 min=0 max=17 mean=2.76 std=1.65
NOGRCH17	How many grandchildren have you had?		n=3415 miss=430 min=0 max=29 mean=4.01 std=3.71
DOWNS17	Do you know of anyone in your family who was born with mental retardation due to Downs syndrome or mongolism?	458 3290 97	. = missing/don't know 0 = No 1 = Yes
DWNREL17	If "Yes", what was their relationship to you?	3748 24 26 17 30	. = missing/don't know 1 = Sister or brother 2 = Child 3 = Grandchild 4 = Other: _____
ALZHMR17	Have any of your relatives developed a condition with memory loss or confusion due to Alzheimer's disease, senile dementia, dementia, senility, or a similar disease?	487 3097 225 42	. = missing/don't know 0 = No 1 = Yes 8 = Possibly
ALZREL17	If "Yes", or "Possibly", what was their relationship to you?	3580 4 123 88 1 49	. = missing/don't know 1 = Grandparent 2 = Parent 3 = Sister or brother 4 = Child 5 = Other: _____
ALZAGE17	At what age did the symptoms become so severe that they interfered with his/her social activities of daily life?		n=178 miss=3667 min=15 max=98 mean=76.58 std=12.57
DEODNW17	Nowadays how often do you use an antiperspirant or deodorant?	411 308 60 92 78 232 2664	. = missing/don't know 1 = Most days 2 = 3 to 4 days each week (about every other day) 3 = 1 to 2 days each week 4 = less than once each week, but usually at least once each month 5 = Rarely -- less than once a month 6 = Never
DEODLF17	During most of your adult life (as between the ages of 60 years), how often did you use an antiperspirant or deodorant?	30411 289 80 86 69 255 2655	. = missing/don't know 1 = Most days 2 = 3 to 4 days each week (about every other day) 3 = 1 to 2 days each week 4 = less than once each week, but usually at least once each month 5 = Rarely -- less than once a month 6 = Never
DEODTP17	When you have used such products, have they usually been deodorants or antiperspirants?	607 474 202 81 58 2423	. = missing/don't know 1 = Deodorant 2 = Antiperspirant 3 = Both 4 = Neither 5 = Never used

VARIABLE            DESCRIPTION

DEODFM17    When you used such a product was it usually a:

509    . = missing/don't know  
 299    1 = Roll-on  
 225    2 = Stick  
 113    3 = Cream  
 582    4 = Pads  
 169    5 = Aerosol (spray)  
 14     6 = Powder  
 1934   7 = Never used

Description (brand name)	DEOD1B17 most used	DEOD2B17 second most used
. = missing/don't know	1076	855
00 = don't use	2403	2953
01 = ALLERCREME	1	--
02 = ARRID	51	5
03 = BAN	27	2
05 = BRUT	17	4
08 = DIAL	--	--
13 = FRESH	--	--
19 = MENNEN	102	6
21 = MITCHUM	--	--
22 = MUM	5	1
24 = OLD SPICE	35	4
25 = RIGHT GUARD	54	6
26 = SECRET	19	2
27 = SOFT & DRI	--	--
28 = SO DRY	1	--
29 = SURE	40	5
31 = TUSSY	--	1
32 = YODORO	1	--
33 = 5-DAY	--	--
34 = AVON	--	--
35 = LIFEGUARD	--	--
36 = GILLETTE	7	--
38 = MEDICATED POWER	1	--
39 = SCHICK STICKDED	5	--
42 = BACARB OF SODA	--	1

VARIABLE            DESCRIPTION

Type of deodorant	most used DEOD1T17	second most used DEOD2T17
. = missing/don't know	901	1828
0 = don't use	2209	1930
1 = roll-on	256	21
2 = stick	230	26
3 = cream	43	7
4 = pads	2	--
5 = aerosol	188	27
6 = powder	16	6

BM17	How often do you have a bowel movement?	409 2191 919 84 169  58 10 5	. = missing/don't know 1 = Once each day 2 = Approx. 2-3 times each day 3 = More often than 3x each day 4 = Approx. every other day (3-4x times each week) 5 = Approx. 2 times each week 6 = Approx. 1 times each week 7 = Less often than once each week
BMFREQ17	Compared to 10 to 20 years ago, do you have bowel movements more often now or less often now?	470 2444 487 101 245 98	. = missing/don't know 1 = About the same 2 = a little more often now 3 = Much more often now 4 = A little less often now 5 = Much less often now
CHLDLV17	How many other children lived in the same house with you when you were 2-3 years old? Would you guess it was usually:	666 574 1384 753 468	. = missing/don't know 0 = no other children 1 = 1 or 2 2 = 3 or 4 3 = more than 4
PEOPLV17	Altogether, how many people lived in your house when you were 2 to 3 years old? Would you guess it was usually:	692 804 1916 353 80	. = missing/don't know 1 = 3 or less 2 = 4 to 6 3 = 7 to 9 4 = 10 or more

VARIABLE	DESCRIPTION		
PERSN17	Which of the following statements would have best described your personality as a young child (age 5 to 10643 years):	1296	. = missing/don't know
		483	1 = I strongly preferred quiet and order
		779	2 = I preferred familiar activities and did not especially like excitement or surprises
		305	3 = I enjoyed occasional new and exciting experiences
		339	4 = I definitely liked excitement and most new experiences
			5 = I was always looking for adventure and excitement

\*\*\*\*\*Modification for Privacy Protection\*\*\*\*\*  
 IF JAPANB17 > 10 THEN JAPANB17 = 10  
 IF JAPANS17 > 14 THEN JAPANS17 = 17

JAPANB17	Up until you started elementary school how many years did you spend in Japan?	n=3437 miss=408 min=0 max=10 mean=0.95 std=2.80
----------	-------------------------------------------------------------------------------	-------------------------------------------------------

\*\*\*\*\*Modification for Privacy Protection\*\*\*\*\*

JAPANS17	While you were in school - from the first grade on - how many years did you spend in Japan?	n=3440 miss=405 min=0 max=17 mean=1.60 std=3.76
----------	---------------------------------------------------------------------------------------------	-------------------------------------------------------

. = missing/don't know  
 [1] = worse than average  
 [2] = average  
 [3] = better than average

Variable	Description	.	[1]	[2]	[3]
MEM17	memorizing	689	210	2381	565
ARITH17	arithmetic	612	278	2055	900
HIMATH17	higher math	1692	431	1304	418
ARTMUS17	art or music	1358	756	1418	313
PUZZ17	puzzles or prob solving	1147	301	2014	383
READING17	reading	633	285	2282	645
SPORTS17	sport activities	707	307	1989	842

FSTLNG17	What was the first language you learned to speak?	412	. = missing/don't know
		1781	1 = Japanese
		740	2 = English
		907	3 = Japanese and English at the same time
		5	4 = Other

VARIABLE	DESCRIPTION		
	*****Modification for Privacy protection*****		
	IF AGEENG17 >=19 THEN AGEENG17 = 20		
AGEENG17	If not English: at about what age did you learn to speak English?	n=2069 miss=1776 min=0 max=20 mean=6.69 std=6.02	
	How often do you speak Japanese these days?	414 247 766 811 530 1077	. = missing/don't know 0 = Never 1 = Rarely (as once a year) 2 = Occasionally (as once a month) 3 = Often (as once a week) 4 = Every day or almost every day
	How old were you when the main language used in your home became English?	419 772 1006 632 452 160 55 23 26 300	. = missing/don't know 1 = Under 5 years 2 = 5 to 10 years 3 = 10 to 20 years 4 = 20 to 30 years 5 = 30 to 40 years 6 = 40 to 50 years 7 = 50 to 60 years 8 = 60 or older 9 = English is still not the main language in my home
	Do you read or write Japanese now?	412 1925 468 576 464	. = missing/don't know 0 = NO 1 = Yes, no difficulty 2 = Yes, with some difficulty 3 = Yes, but with a lot of difficulty
	When was the last time you read Japanese-language magazine, book, or newspaper at least once a week?	416 795 168 91 75 519 1781	. = missing/don't know 1 = Still do 2 = Less than 10 years ago 3 = 10 to 19 years ago 4 = 20 to 29 years ago 5 = More than 30 years ago 6 = Never
	During most of your working life, how well did you tolerate the stresses and pressure of your job? Would you say that you tolerated the pressure....	755 713 761 1499 63 54	. = missing/don't know 1 = definitely better than most others in the same work 2 = a little better than most others in the same work 3 = about the same as others doing similar work 4 = not quite as well as most others in the same work 5 = definitely less well than most others in the same work

VARIABLE            DESCRIPTION

Supplemental Questionnaire Page 10-11

. = missing/don't know  
 [1] = definitely improved  
 [2] = slightly improved  
 [3] = no change  
 [4] = slightly deteriorated  
 [5] = definitely deteriorated

Variable	Description	.	[1]	[2]	[3]	[4]	[5]
Q24	SMELL17 Do you think your sense of smell has improved or deteriorated in recent years?	559	103	110	2328	529	226
Q25	TASTE17 What about your sense of taste?	503	122	137	2746	291	46
Q26	ADPHOT17 Your ability to adapt to very hot weather?	551	91	144	2511	478	70
Q27	RMBNAM17 Your ability to remember the names of people you have just met?	530	36	100	966	1638	575
Q28	RMBFAC17 Your ability to remember the faces of people you have just met?	520	53	110	1728	1158	276
Q29	RMBREL17 Remembering the names of close friends or relatives?	455	55	78	1947	1095	215
Q30	RMBAPP17 Remembering appointments correctly?	465	95	113	2281	737	154
Q31	JDGTIM17 Judging the passage of time, and guess the time of day without looking at a clock or the sun?	608	53	137	2415	523	109

COFFEE17	Have you noticed any change over the past 10-20 years in how sensitive you are to coffee or strong tea? Does coffee or strong tea interfere with your sleep any more or less now than a few years ago?	600 169 181 2259 435 201	. = missing/don't know 1 = I am definitely less sensitive to coffee and tea 2 = I seem to be a little less sensitive 3 = No change 4 = I seem to be a little more sensitive to coffee and tea 5 = I am definitely more sensitive to coffee and tea; they are more likely now to interfere with my sleep.
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VARIABLE DESCRIPTION

Q33 HANDNESS

. = missing/don't know  
 [1] = left  
 [2] = right  
 [3] = either

Variable	Description	.	[1]	[2]	[3]
WRITE17	writing	428	28	3381	8
THBALL17	throwing a ball	429	157	3240	19
CUTSIC17	cutting with scissors	430	142	3241	32
USEKNF17	using a knife	428	184	3193	40
USESCD17	using a screw driver	429	149	3179	88
COMBHR17	combing your hair	428	177	3181	59
BRTTH17	brushing your teeth	428	135	3193	89
RMVSPL17	removing a splinter from your foot	442	127	3129	147

LEFT17	Do you believe you might have been left-handed if you had not been forced to use your right hand for writing and other activities?	432 2892	334 114 73	. = missing/don't know 1 = No, I am definitely right handed 2 = Possibly 3 = Yes, I was probably "naturally" left handed 4 = I am definitely a naturally left-handed person
NOISE17	Did you ever have a job that caused you to be exposed to loud sounds and noises everyday?	416 2148 1281	. = missing/don't know 0 = No 1 = Yes	
NOISYR17	If "Yes", for how many years did you work at jobs during which you were exposed to loud sounds?		n=1253 miss=2592 min=0 max=60 min=20.99 std=15.03	
SUN17	Did you ever have a job that caused you to spend most every day outside in the sun?	417 1795 1633	. = missing/don't know 0 = No 1 = Yes	
SUNYR17	If "Yes", for how many years did you work at jobs during which you were outside in the sun most of the day?		n=1567 miss=2278 min=0 max=71 mean=22.03 std=16.21	
SWGYZ17	Did you ever have a job that involved working around sewage?	417 3257 171	. = missing/don't know 0 = No 1 = Yes	
SEWGE17	If "Yes", for how many years did you work at such a job?		n=159 miss=3686 min=0 max=90 mean=13.14 std=15.76	
FERTIL17	Did you ever have a job that caused you to be heavily exposed to fertilizer?	417 3151 277	. = missing/don't know 0 = No 1 = Yes	
FERTYR17	If "Yes", for how many years did you work at such a job?		n=268 miss=3577 min=0 max=70 mean=13.71 std=15.34	

VARIABLE	DESCRIPTION		
CLDSOR17	Have you ever had a cold sore on your lip or in your mouth?	415 1857 1573	. = missing/don't know 0 = No 1 = Yes
CSROFT17	If "Yes", how often do you get such cold sore?	2281 1005 502 57	. = missing/don't know 1 = Rarely (<1 every 2 years) 2 = Occas. (1x every year or two) 3 = Often
SHINGL17	Have you ever had shingles, also known as zoster?	415 2777 653	. = missing/don't know 0 = No 1 = Yes
SHNGTM17	If "Yes", how many times have you had shingles?	3192 590 53 10	. = missing/don't know 1 = Once 2 = 2 to 3 times 3 = More than 3 times
WART17	Have you ever had a wart?	421 2194 1230	. = missing/don't know 0 = No 1 = Yes
WRTAGE17	If "Yes", about how old were you the last time you had a wart?		n=1009 miss=2836 min=1 max=92 mean=46.47 std=27.98

## General Information

- (1) Exam4 population N=3845.

clinic	N = 3203	83.3%
home visit	417	10.8%
nursing home	53	1.4%
other locations	15	0.4%
long phone interview	104	2.7%
unannounced home visit	53	1.4%
TOTAL	3845	100%

- (2) Participant identification number is H.P., a 4-digit number. We usually use H.P. to link with other files.
- (3) All SAS files were created by version 6.08 in the mainframe and Windows.
- (4) All SAS system files were sorted by ascending values of H.P. All answers for "Don't know/refused (9, 99, 999, etc)" have been recoded to missing in SAS system files but not changed on raw data files.
- (5) First date of Exam4 was February 22, 1991  
Last date of Exam4 was January 3, 1994

VARIABLE            DESCRIPTION

Note: Starting date was supposed to be March 4, 1991. One cohort man was mistakenly called in for pilot study. Participant (H.P.=3989) came in February 22, 1994 and completed the whole pilot exam but never called back for regular exam so we used his pilot exam data.

Finishing date was supposed to be end of October 1993. The last participant actually came in November 2, 1993. No participant was scheduled after November 2, 1993, except that the very last participant (H.P.=4661) came in January 3, 1994 because he lived on the mainland.

- (6) Exam4 date (X4YR, X4MO, X4DY) is referred to as the date on the first page of the questionnaire. Some participants didn't finished the whole exam in one session. They came back for other parts (modules on questionnaire) of the exam. Thus, different modules may have different dates. There are a total 17 modules and 17 dates. Except for blood draw date, those dates were all keypunched in raw data files but not read in nor saved in SAS files.

VARIABLE            DESCRIPTION

## Interview Data

Most knowledgeable persons:

Quality Control Committee members - Dr. Beatriz Rodriguez, Dr. Kamal Masaki,  
Dr. Cecil Burchfiel, Randi Chen.

Data Entry: VIKING DATA ENTRY SYSTEM. Data was keyed in, then re-entered to verify and to correct by a different lab tech.

The SAS variable names and labels were created by Norma Dermond (CHS) using the SIR program. Randi Chen used those variable names and labels to create the SAS input program. He also modified the program and recoded "Don't know/Refused" (9, 99, 999, etc) to missing.

Family History File. (ref: page 1 Supplemental Questionnaire)

SAS file in mainframe: FAMILY.FEB95.EX4 (internal name is EX4)

SAS file in H.P. LAN: R:\DATASETS\MAIN\FAMFEB95.SD2

This file contains information on brothers and sisters. It is a multiple records per person file. The number of records depends on the numbers of brothers and sisters. If the participant had reported no siblings, then one record of "0" value for sibship number was entered and all other information (male/female, full/half...etc) was coded as blank (missing in SAS).

VARIABLE            DESCRIPTION

## **SPIROMETRY** (part 1 of 2)

### I. Clinic SPIROMETRY

Most knowledgeable persons: Dominic Estrella, Michael Mau, Darryl Chiu,  
Dr. Paul Enright (Univ of Arizona)

Paul Enright, MD  
Respiratory Sciences Center,  
1501 N Campbell Ave  
University of Arizona  
Tucson, AZ 85724

Equipment: Water-sealed spirometer (model S 155, Warren Collins, Braintree, MA) was connected to an IBM PS2 model 30/286 computer. Software came from S&M Instruments, Doylestown, PA. Software program calculated pulmonary function variables, printed report and saved data into a file.

SAS input program was written by Darryl Chiu.

Clinic spiro data (N=3111)

From the original raw data, Dr. Enright used his quality control program to generate the following six variables:

CLSPBEST	best	-the index number of the best maneuver (1-3)
CLSPFLOW	flow	-the flow grade (A-F)
CLSPVOL	volume	-the volume grade (A-F)
CLBESFVC	fvc	-the FVC from the best maneuver
CLBESFEV	fev1	-the FEV1 from the best maneuver
CLBESPEF	pefr	-the PEF from the best maneuver.

VARIABLE            DESCRIPTION

The following are clinic sPIROMETRY variables:

clinic sPIROMETRY flow grade A-F

CLSPFLOW	Frequency	Percent	Cumulative Frequency	Cumulative Percent
A	1284	41.3	1284	41.3
B	1201	38.6	2485	79.9
C	273	8.8	2758	88.7
D	297	9.5	3055	98.2
F	56	1.8	3111	100.0

clinic sPIROMETRY volume grade A-F

CLSPVOLM	Frequency	Percent	Cumulative Frequency	Cumulative Percent
A	1916	61.6	1916	61.6
B	762	24.5	2678	86.1
C	132	4.2	2810	90.3
D	252	8.1	3062	98.4
F	49	1.6	3111	100.0

Variable	Label	N	Miss	Minimum	Maximum	Mean	Std Dev
CLSPTMP	clinic sPIROMETRY room temperature	3111	0	16.00	35.00	23.45	3.66
CLSPSEQA	clinic sPIROMETRY seq_a	3111	0	0.00	9.00	3.37	2.36
CLSPFVCA	clinic sPIROMETRY fvc_a	3111	0	0.00	5.17	2.84	0.60
CLSPFV1A	clinic sPIROMETRY fev1_a	3111	0	0.00	3.59	2.05	0.49
CLSPPFRA	clinic sPIROMETRY pefr_a	3111	0	0.00	12.67	7.01	1.91
CLSPFETA	clinic sPIROMETRY fet_a	3111	0	0.00	14.80	10.46	2.15
CLSPSEQB	clinic sPIROMETRY seq_b	3107	4	0.00	9.00	3.61	2.00
CLSPFVCB	clinic sPIROMETRY fvc_b	3107	4	0.00	5.05	2.83	0.63
CLSPFV1B	clinic sPIROMETRY fev1_b	3107	4	0.00	3.60	2.04	0.51
CLSPPFRB	clinic sPIROMETRY pefr_b	3107	4	0.00	12.69	6.99	1.97
CLSPFETB	clinic sPIROMETRY fet_b	3107	4	0.00	14.80	10.50	2.17
CLSPSEQC	clinic sPIROMETRY seq_c	3100	11	0.00	9.00	4.04	1.63
CLSPFVCC	clinic sPIROMETRY fvc_c	3100	11	0.00	5.50	2.83	0.64
CLSPFV1C	clinic sPIROMETRY fev1_c	3100	11	0.00	3.62	2.04	0.51
CLSPPFRC	clinic sPIROMETRY pefr_c	3100	11	0.00	12.86	6.97	1.99
CLSPFETC	clinic sPIROMETRY fet_c	3100	11	0.00	14.80	10.53	2.18
CLSPTECH	clinic sPIROMETRY lab tech ID	3083	28	5.00	79.00	36.35	16.26
CLSPBEST	clinic spiro index # of best maneuver	3111	0	1.00	3.00	1.96	0.82
CLBESFVC	clinic spiro FVC from best maneuver	3111	0	0.69	5.17	2.87	0.58
CLBESFEV	clinic spiro FEV1 from best maneuver	3111	0	0.51	3.59	2.07	0.48
CLBESPEF	clinic spiro PEFr from best maneuver	3111	0	1.12	12.86	7.31	1.90

VARIABLE	DESCRIPTION
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VARIABLE            DESCRIPTION

As per Dr. Paul Enright, the following formulas can be used to compute FEV<sub>1</sub>, FVC, FEV<sub>1</sub>/FVC and predicted FEV<sub>1</sub>, FVC and FEV<sub>1</sub>/FVC for clinic sPIROMETRY data:

IF FEV1A=0 THEN FEV1A=.;  
IF FEV1B=0 THEN FEV1B=.;  
IF FEV1C=0 THEN FEV1C=.;

IF FVCA=0 THEN FVCA=.;  
IF FVCB=0 THEN FVCB=.;  
IF FVCC=0 THEN FVCC=.;

FEV1 = MEAN(FEV1A,FEV1B,FEV1C);  
FVC = MEAN(FVCA,FVCB,FVCC);  
FEV1FVC = (FEV1/FVC)\*100;

For entire clinic sPIROMETRY population:

PREDFEV1 = -0.0468 + 0.0238\*HEIGHTCM - 0.0228\*AGEX4;

PREDFVC = -1.0829 + 0.0374\*HEIGHTCM - 0.0275\*AGEX4;

PRFEVFVC = 93.305 - 0.0911\*HEIGHTCM - 0.0837\*AGEX4;

For "healthy" group (see ref paper for definition):

PREDFEV1 = -0.156 + 0.0271\*HEIGHTCM - 0.0253\*AGEX4;

PREDFVC = -1.396 + 0.0405\*HEIGHTCM - 0.0271\*AGEX4;

PRFEVFVC = 98.3 - 0.0666\*HEIGHTCM - 0.163\*AGEX4;

ref paper:

SHARP DS, et al. Reference values for pulmonary function tests of Japanese-American men ages 71-93 years. submitted to Am J Respir Crit Care Med

## SPIROMETRY (part 2 of 2)

### II. Home visit sPIROMETRY

Most knowledgeable persons: Dominic Estrella, Darryl Chiu

Machine brand name: Welch Allyn PneumoCheck, model number 61000

SPIROMETRY results were printed out on paper. See sample output.

Data Entry: VIKING DATA ENTRY SYSTEM. Data were keypunched and verified by lab techs.

Home Visit Spiro Data (n=319, *included 22 clinic spiro participants*)

*Note: Twenty-two participants had a clinic visit but data was not saved in computer. Their data were keypunched and combined together with home visit data. An indicator variable HVSPCLSP (1=actual home visit spiro, 0=actual clinic spiro) can be used to identify those participants.*

SAS input program was written by Darryl Chiu

The following are Home Visit SPIROMETRY variables:

**(Select HVSPCLSP = 1, N=297)**

Variable	Label	N	Miss	Minimum	Maximum	Mean	Std Dev
HVSPAGE	Home visit sPIROMETRY - age	297	0	72.00	94.00	80.72	5.36
HVSPHT	Home visit sPIROMETRY - height cm	297	0	137.00	180.00	160.12	6.70
HVSP1	Home visit sPIROMETRY - FVC ACTUAL	297	0	0.28	4.99	2.47	0.74
HVSP2	Home visit sPIROMETRY - FVC NORM	297	0	0.00	9.34	3.17	3.17
HVSP3	Home visit sPIROMETRY - FVC %NORM	212	85	15.00	163.00	90.08	22.51
HVSP4	Home visit irspometry - FEV1 ACTUAL	297	0	0.18	3.66	1.69	0.58
HVSP5	Home visit sPIROMETRY - FEV1 NORM	212	85	1.37	3.41	2.19	0.27
HVSP6	Home visit sPIROMETRY - FEV1 %NORM	212	85	13.00	165.00	81.31	24.36
HVSP7	Home visit sPIROMETRY - FEV1/FVC% ACTUAL	297	0	25.00	98.00	68.33	13.10
HVSP8	Home visit sPIROMETRY - FEV1/FVC% NORM	212	85	75.00	81.00	77.67	0.96
HVSP9	Home visit sPIROMETRY - FEV1/FVC% %NORM	212	85	33.00	127.00	89.43	15.72
HVSP10	Home visit sPIROMETRY - FEF25-75% ACTUAL	297	0	0.05	4.66	1.25	0.78
HVSP11	Home visit sPIROMETRY - FEF25-75% NORM	212	85	1.66	2.92	2.08	0.18
HVSP12	Home visit sPIROMETRY - FEF25-75% %NORM	212	85	7.00	214.00	63.70	38.14
HVSP13	Home visit sPIROMETRY - PEF ACTUAL	297	0	0.52	10.56	4.35	2.16
HVSP14	Home visit sPIROMETRY - PEF NORM	212	85	3.57	8.27	5.46	0.59
HVSP15	Home visit sPIROMETRY - PEF %NORM	212	85	8.00	183.00	86.34	37.10
HVSP16	Home visit sPIROMETRY - BEST FVC ACTUAL	277	20	0.28	4.99	2.50	0.75
HVSP17	Home visit sPIROMETRY - BEST FVC NORM	199	98	1.64	4.52	2.85	0.37
HVSP18	Home visit sPIROMETRY - BEST FVC %NORM	199	98	15.00	163.00	90.92	22.64
HVSP19	Home visit sPIROMETRY - BEST FEV1 ACTUAL	277	20	0.18	3.66	1.72	0.59
HVSP20	Home visit sPIROMETRY - BEST FEV1 NORM	199	98	1.37	3.41	2.19	0.27
HVSP21	Home visit sPIROMETRY - BEST FEV1 %NORM	199	98	13.00	165.00	82.34	24.41
HVSP22	Home visit sPIROMETRY - sec	297	0	2.75	15.97	7.26	2.38

VARIABLE	DESCRIPTION							
HVSPTECH	Home visit SPIROMETRY - technician code	297	0	5.00	79.00	27.75	14.41	
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VARIABLE            DESCRIPTION

### Lab data (part 1 of 3)

#### I. Lipids data

Most knowledgeable persons: Dr. Russell Tracy and Elaine Cornell (Univ of Vermont),  
Dominic Estrella, Randi Chen

Dr Russell Tracy  
Elaine Cornell (Lab Coordinator)  
Dept of Pathology  
Lab for Clinical Biochemistry Research  
University of Vermont  
Medical Alumni Building  
Burlington, Vermont 05405-0068

Blood vials were sent to University of Vermont.

Vermont sent back data on diskettes. Data file format is comma delimited ASCII.

The following are lab variables (unit=mg/dL)

Variable	Label	N	Miss	Minimum	Maximum	Mean	Std Dev
FIBRX4	fibrinogen at exam 4	3571	274	92.00	893.00	306.79	63.92
CHOLX4	cholesterol at exam 4	3572	273	81.00	382.00	189.73	33.16
TRIGX4	triglyceride at exam 4	3566	279	32.00	1369.00	148.96	93.85
HDLX4	HDL at exam 4	3562	283	20.00	129.00	50.94	13.36
GLUCX4	Fasting Glucose at exam 4	3571	274	44.00	399.00	113.03	29.40
GLU2X4	Two HR glacially load glucose at exam 4	2180	1665	42.00	564.00	180.33	78.55

### Lab data (part 2 of 3)

#### II. Hematology

Most knowledgeable persons: Dominic Estrella, Darryl Chiu, Dr. Kamal Masai

Blood vials sent to Plaza Medical Lab at Calkin Medical Plaza or Diagnostic Laboratory Services, Inc.

Results were printed on paper then sent back to Honolulu Heart Program office. Data were keypunched and verified by H.P. lab techs using the VIKING Data Entry system.

SAS input program was written by Darryl Chiu.

The following are hematology variables:

Variable	Label	N	Miss	Minimum	Maximum	Mean	Std Dev
WBC15	WHITE BLOOD COUNT: HEMATOLOGY X4	3569	0	0.90	64.00	6.27	2.12
RBC15	RED BLOOD COUNT: HEMATOLOGY X4	3569	0	1.80	7.62	4.64	0.51
HGB15	HGB: HEMATOLOGY X4	3569	0	5.90	20.40	14.84	1.44
HCT15	HOT: HEMATOLOGY X4	3569	0	16.70	60.70	44.12	4.41
MCV15	MC: HEMATOLOGY X4	3569	0	68.00	129.60	95.31	4.83
MCH15	MCH: HEMATOLOGY X4	3569	0	20.90	45.70	32.12	1.76
MCHC15	MCHC: HEMATOLOGY X4	3569	0	30.40	39.40	33.68	0.71
RDW15	R.W.: HEMATOLOGY X4	2924	645	8.10	23.30	10.45	0.98
MYELO15	MELO: HEMATOLOGY X4	3569	0	0.00	1.00	0.00	0.02
JUV15	JA.: HEMATOLOGY X4	3569	0	0.00	2.00	0.00	0.04
STAB15	STAB: HEMATOLOGY X4	3569	0	0.00	62.00	2.44	3.28
SEG15	SEA: HEMATOLOGY X4	3569	0	0.00	88.00	60.50	9.86
LYM15	LAM.: HEMATOLOGY X4	3569	0	0.00	87.00	27.86	8.93
ATL15	AT: HEMATOLOGY X4	3569	0	0.00	37.00	0.05	0.69
MONO15	MONO: HEMATOLOGY X4	3569	0	0.00	52.00	5.79	2.57
EOS15	EOS: HEMATOLOGY X4	3569	0	0.00	37.00	2.79	2.75
BASO15	BASE: HEMATOLOGY X4	3569	0	0.00	5.00	0.74	0.74

PLATELET: HEMATOLOGY X4

PLATEL15	Frequency	Percent	Cumulative Frequency	Cumulative Percent
. missing	1	.	.	.
1:Normal	3388	95.0	3388	95.0
2:Slightly decreased	109	3.1	3497	98.0
3:Decreased	34	1.0	3531	99.0
4:Slightly increased	28	0.8	3559	99.7
5:Increased	9	0.3	3568	100.0

MORPH: HEMATOLOGY X4

MORPH15	Frequency	Percent	Cumulative Frequency	Cumulative Percent
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VARIABLE	DESCRIPTION			
. missing	1481	.	.	.
1:presented	2088	100.0	2088	100.0

VARIABLE            DESCRIPTION

HYPO: HEMATOLOGY X4

HYPO15	Frequency	Percent	Cumulative Frequency	Cumulative Percent
. missing	2191	.	.	.
0:None seen	1339	97.2	1339	97.2
1:Slight	33	2.4	1372	99.6
2:Slight-moderated	5	0.4	1377	99.9
4:Moderate-marked	1	0.1	1378	100.0

ANIS: HEMATOLOGY X4

ANISO15	Frequency	Percent	Cumulative Frequency	Cumulative Percent
. missing	2085	.	.	.
0:None seen	260	17.5	260	17.5
1:Slight	1212	81.7	1472	99.2
2:Slight-moderated	8	0.5	1480	99.7
3:Moderate	4	0.3	1484	100.0

MICRO: HEMATOLOGY X4

MICRO15	Frequency	Percent	Cumulative Frequency	Cumulative Percent
. missing	2187	.	.	.
0:None seen	1350	97.7	1350	97.7
1:Slight	27	2.0	1377	99.6
2:Slight-moderate	3	0.2	1380	99.9
3:Moderate	1	0.1	1381	99.9
4:Moderate-marked	1	0.1	1382	100.0

MACRO: HEMATOLOGY X4

MACRO15	Frequency	Percent	Cumulative Frequency	Cumulative Percent
. missing	2161	.	.	.
0:None seen	813	57.7	813	57.7
1:Slight-moderate	510	36.2	1323	94.0
2:Slight-moderate	72	5.1	1395	99.1
3:Moderate	11	0.8	1406	99.9
4:Moderate-marked	1	0.1	1407	99.9
5:Marked	1	0.1	1408	100.0

PACHOULI: HEMATOLOGY X4

POIKIL15	Frequency	Percent	Cumulative Frequency	Cumulative Percent
. missing	2177	.	.	.
0:None seen	1219	87.6	1219	87.6
1:Slight	172	12.4	1391	99.9
2:Slight-moderate	1	0.1	1392	100.0

ELLIPTO: HEMATOLOGY X4

VARIABLE DESCRIPTION

ELLIPT15	Frequency	Percent	Cumulative Frequency	Cumulative Percent
. missing	2191	.	.	.
0:None seen	1336	97.0	1336	97.0
1:Slight	41	3.0	1377	99.9
2:Slight-moderate	1	0.1	1378	100.0

PALIKIR: HEMATOLOGY X4

POLYCH15	Frequency	Percent	Cumulative Frequency	Cumulative Percent
. missing	2193	.	.	.
0:None seen	1367	99.3	1367	99.3
1:Slight	8	0.6	1375	99.9
2:Slight-moderate	1	0.1	1376	100.0

BASSTIP: HEMATOLOGY X4

BASSTI15	Frequency	Percent	Cumulative Frequency	Cumulative Percent
. missing	2193	.	.	.
0:None seen	1373	99.8	1373	99.8
1:Slight	3	0.2	1376	100.0

NBC/100 WBC: HEMATOLOGY X4

NRBCWB15	Frequency	Percent	Cumulative Frequency	Cumulative Percent
. missing	2194	.	.	.
0:None seen	1372	99.8	1372	99.8
1:Slight	3	0.2	1375	100.0

TOXIC GRINNED: HEMATOLOGY X4

TOXICG15	Frequency	Percent	Cumulative Frequency	Cumulative Percent
. missing	2194	.	.	.
0:None seen	1374	99.9	1374	99.9
1:Slight	1	0.1	1375	100.0

DOHLE15	Frequency	Percent	Cumulative Frequency	Cumulative Percent
. missing	2194	.	.	.
0:None seen	1375	100.0	1375	100.0

TARGET CELLS: HEMATOLOGY X4

TARGET15	Frequency	Percent	Cumulative Frequency	Cumulative Percent
. missing	2194	.	.	.
0:None seen	1371	99.7	1371	99.7
1:Occasional	1	0.1	1372	99.8

VARIABLE	DESCRIPTION			
2:Few	3	0.2	1375	100.0

OTHER: HEMATOLOGY X4

OTHER15	Frequency	Percent	Cumulative Frequency	Cumulative Percent
. missing	2194	.	.	.
0:None seen	1347	98.0	1347	98.0
1:Occasional	15	1.1	1362	99.1
2:Few	9	0.7	1371	99.7
3:Few-moderate	3	0.2	1374	99.9
4:Moderate	1	0.1	1375	100.0

VARIABLE            DESCRIPTION

### Lab data (part 3 of 3)

#### III. Insulin

Most knowledgeable persons: Dr. Lot White, Dr. Santica Marcovina (Univ of Washington)  
Dominic Estrella, Darryl Chiu

Santica M. Marcovina, M.D.  
Research Professor of Medicine and Core Laboratory Director  
University of Washington School of Medicine  
Northwest Lipid Research Laboratories  
2121 N. 35th Street  
Seattle, WA 98103

Blood vials sent to University of Washington. Data (fasting insulin and 2hr post load insulin) sent back by diskette. Format is ASCII.

Variable	Label	N	Miss	Minimum	Maximum	Mean	Std Dev
INSUFST	EXAM4 FASTING INSULIN	3562	283	1.50	1164.00	16.82	32.48
INSU2HR	EXAM4 2-HOUR POST LOAD INSULIN	2160	1685	2.70	960.00	117.06	91.30

VARIABLE            DESCRIPTION

## ECG

Most knowledgeable persons: Dr. Katsuhiko Yan, Rand Chen, Dr. Irwin Scats

SAS input program was written by Rand Chen.

ECG charts were read and coded by Dr. Yan or lab techs. ECG variables were recorded on ECG code sheet (see page 39 questionnaire). Data were keypunched and verified by lab techs using the VIKING Data Entry System.

Frequency distribution of ECG coders:	
#24 Dr. Yan	N = 1919 (51.4%)
#31 Nancy Camacho	957 (25.7%)
#70 Gregorio Julian	853 (22.9%)
TOTAL	3729 (100%)

The following are ECG variables:

Variable	Label	N	Miss	Minimum	Maximum	Mean	Std Dev
WK1401	VENTRICULAR RATE, X4	3729	116	34.00	145.00	64.86	11.27
WK1402	P-R INTERVAL, X4	3572	273	8.00	48.00	17.67	3.06
WK1403	Q.S. DURATION, X4	3701	144	6.00	96.00	9.88	3.76
WK1404	Q-T INTERVAL, X4	3700	145	4.00	60.00	41.38	3.53

PREMATURE BEAT, X4

WK1405	Frequency	Percent	Cumulative Frequency	Cumulative Percent
. MISSING	116	.	.	.
0 NEGATIVE	3428	91.9	3428	91.9
1 AT.	170	4.6	3598	96.5
2 VENT.	116	3.1	3714	99.6
3 BOTH	13	0.3	3727	99.9
9 UNKNOWN	2	0.1	3729	100.0

TACHYCARDIA, X4

WK1406	Frequency	Percent	Cumulative Frequency	Cumulative Percent
. MISSING	116	.	.	.

	VARIABLE	DESCRIPTION		
0	NEGATIVE	3701	99.2	3701 99.2
9	UNKNOWN	28	0.8	3729 100.0

VARIABLE            DESCRIPTION

ATRIAL FLUTTER/FIBRILLATION, X4

	WK1407	Frequency	Percent	Cumulative Frequency	Cumulative Percent
. MISSING		116	.	.	.
0 NEGATIVE		3576	95.9	3576	95.9
1 FLUTTER		11	0.3	3587	96.2
2 FIBRILLATION		114	3.1	3701	99.2
9 UNKNOWN		28	0.8	3729	100.0

OTHER ABNORMALITY OF RHYTHM, X4

	WK1408	Frequency	Percent	Cumulative Frequency	Cumulative Percent
. MISSING		116	.	.	.
0 NEGATIVE		3689	98.9	3689	98.9
1 POSITIVE		12	0.3	3701	99.2
9 UNKNOWN		28	0.8	3729	100.0

A-V BLOCK, X4

	WK1409	Frequency	Percent	Cumulative Frequency	Cumulative Percent
. MISSING		116	.	.	.
0 NEGATIVE		3232	86.7	3232	86.7
1 1ST		367	9.8	3599	96.5
2 2ND		3	0.1	3602	96.6
9 UNKNOWN		127	3.4	3729	100.0

I-V BLOCK, X4

	WK1410	Frequency	Percent	Cumulative Frequency	Cumulative Percent
. MISSING		116	.	.	.
0 NEGATIVE		3112	83.5	3112	83.5
1 BBB CAMP.		30	0.8	3142	84.3
2 BBB INC		5	0.1	3147	84.4
3 ROBB CAMP		394	10.6	3541	95.0
4 ROBB INC		127	3.4	3668	98.4
5 UNCLASP		30	0.8	3698	99.2
6 BLAT		2	0.1	3700	99.2
9 UNKNOWN		29	0.8	3729	100.0

W-P-W, X4

	WK1411	Frequency	Percent	Cumulative Frequency	Cumulative Percent
. MISSING		116	.	.	.
0 NEGATIVE		3631	97.4	3631	97.4
1 POSITIVE		2	0.1	3633	97.4
2 DBT-A		1	0.0	3634	97.5
3 DBT-B		1	0.0	3635	97.5
9 UNKNOWN		94	2.5	3729	100.0

VARIABLE            DESCRIPTION

PROLONGED Q-T INTERVAL, X4

WK1412	Frequency	Percent	Cumulative Frequency	Cumulative Percent
. MISSING	116	.	.	.
0 NEGATIVE	2985	80.0	2985	80.0
1 POSITIVE	715	19.2	3700	99.2
9 UNKNOWN	29	0.8	3729	100.0

P-WAVE ABNORMALITY, X4

WK1413	Frequency	Percent	Cumulative Frequency	Cumulative Percent
. MISSING	116	.	.	.
0 NEGATIVE	3189	85.5	3189	85.5
1 LEAD 2	38	1.0	3227	86.5
2 V <sub>1</sub>	328	8.8	3555	95.3
3 BOTH	36	1.0	3591	96.3
9 UNKNOWN	138	3.7	3729	100.0

HIGH VOLTAGE Q.S., X4

WK1414	Frequency	Percent	Cumulative Frequency	Cumulative Percent
. MISSING	116	.	.	.
0 NEGATIVE	3514	94.2	3514	94.2
1 POSITIVE	185	5.0	3699	99.2
9 UNKNOWN	30	0.8	3729	100.0

PATTERN SUGGESTED L.H., X4

WK1415	Frequency	Percent	Cumulative Frequency	Cumulative Percent
. MISSING	116	.	.	.
0 NEGATIVE	3553	95.3	3553	95.3
1 POSITIVE	146	3.9	3699	99.2
9 UNKNOWN	30	0.8	3729	100.0

PATTERN SUGGESTED L.S., X4

WK1416	Frequency	Percent	Cumulative Frequency	Cumulative Percent
. MISSING	116	.	.	.
0 NEGATIVE	3570	95.7	3570	95.7
1 POSITIVE	129	3.5	3699	99.2
9 UNKNOWN	30	0.8	3729	100.0

PATTERN SUGGESTED R.H., X4

Cumulative    Cumulative

VARIABLE            DESCRIPTION

WK1417	Frequency	Percent	Frequency	Percent
. MISSING	116	.	.	.
0 NEGATIVE	3697	99.1	3697	99.1
1 POSITIVE	3	0.1	3700	99.2
9 UNKNOWN	29	0.8	3729	100.0

NON-SPECIFIC ST-J OR SEA. ABNORM., X4

WK1418	Frequency	Percent	Cumulative Frequency	Cumulative Percent
. MISSING	116	.	.	.
0 NEGATIVE	3571	95.8	3571	95.8
1 TYPE 1	18	0.5	3589	96.2
2 TYPE 2	89	2.4	3678	98.6
3 TYPE 3	22	0.6	3700	99.2
9 UNKNOWN	29	0.8	3729	100.0

NON-SPEC. T-WAVE ABNORMALITY , X4

WK1419	Frequency	Percent	Cumulative Frequency	Cumulative Percent
. MISSING	116	.	.	.
0 NEGATIVE	3259	87.4	3259	87.4
1 TYPE 1	148	4.0	3407	91.4
2 TYPE 2	269	7.2	3676	98.6
3 TYPE 3	24	0.6	3700	99.2
9 UNKNOWN	29	0.8	3729	100.0

MYOCARDIAL ISCHEMIC , X4

WK1420	Frequency	Percent	Cumulative Frequency	Cumulative Percent
. MISSING	116	.	.	.
0 NEGATIVE	3679	98.7	3679	98.7
1 POSITIVE	21	0.6	3700	99.2
9 UNKNOWN	29	0.8	3729	100.0

MYOCARDIAL INFARCTION, POSITIVE, X4

WK1421	Frequency	Percent	Cumulative Frequency	Cumulative Percent
. MISSING	116	.	.	.
0 NEGATIVE	3585	96.1	3585	96.1
1	34	0.9	3619	97.1
2	5	0.1	3624	97.2
3	2	0.1	3626	97.2
4	5	0.1	3631	97.4
5	20	0.5	3651	97.9
6	11	0.3	3662	98.2
8	4	0.1	3666	98.3
9	8	0.2	3674	98.5
10	11	0.3	3685	98.8
11	7	0.2	3692	99.0
12	8	0.2	3700	99.2
99 UNKNOWN	29	0.8	3729	100.0

VARIABLE            DESCRIPTION

MYOCARDIAL INFARCTION, DOUBTFUL, X4

WK1422	Frequency	Percent	Cumulative Frequency	Cumulative Percent
. MISSING	116	.	.	.
0 NEGATIVE	3608	96.8	3608	96.8
1	46	1.2	3654	98.0
2	4	0.1	3658	98.1
3	5	0.1	3663	98.2
4	6	0.2	3669	98.4
5	7	0.2	3676	98.6
6	4	0.1	3680	98.7
7	18	0.5	3698	99.2
8	1	0.0	3699	99.2
9 UNKNOWN	30	0.8	3729	100.0

VARIABLE            DESCRIPTION

MYOCARDIAL INFARCTION, POSSIBLE, X4

WK1423	Frequency	Percent	Cumulative Frequency	Cumulative Percent
. MISSING	116	.	.	.
0 NEGATIVE	3693	99.0	3693	99.0
2 TYPE 2	7	0.2	3700	99.2
9 UNKNOWN	29	0.8	3729	100.0

Q.S. AXIS , X4

WK1424	Frequency	Percent	Cumulative Frequency	Cumulative Percent
. MISSING	116	.	.	.
0 NEGATIVE	3296	88.4	3296	88.4
1 LEFT	390	10.5	3686	98.8
2 RIGHT	8	0.2	3694	99.1
3 S <sub>1</sub> S <sub>2</sub> S <sub>3</sub>	4	0.1	3698	99.2
4 INDEX	2	0.1	3700	99.2
9 UNKNOWN	29	0.8	3729	100.0

OTHER ABNORMALITY CONFIGURATION, X4

WK1425	Frequency	Percent	Cumulative Frequency	Cumulative Percent
. MISSING	116	.	.	.
0 NEGATIVE	3666	98.3	3666	98.3
1 VOLT	5	0.1	3671	98.4
2 ST	9	0.2	3680	98.7
3 T	8	0.2	3688	98.9
4 T	1	0.0	3689	98.9
5 U	10	0.3	3699	99.2
7 NEXT.	1	0.0	3700	99.2
9 UNKNOWN	29	0.8	3729	100.0

ACUTE MI, X4

WK1426	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	116	.	.	.
0	3699	99.2	3699	99.2
7	1	0.0	3700	99.2
9	29	0.8	3729	100.0

TEMPORAL CHANGE OF MI, X4

WK1427	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	116	.	.	.
0	3299	88.5	3299	88.5
1	85	2.3	3384	90.7
2	74	2.0	3458	92.7
3	20	0.5	3478	93.3

	VARIABLE	DESCRIPTION			
4	76	2.0	3554	95.3	
5	23	0.6	3577	95.9	
6	5	0.1	3582	96.1	
7	103	2.8	3685	98.8	
8	3	0.1	3688	98.9	
9	41	1.1	3729	100.0	

TEMPORAL T-WAVE CHANGE, X4

	WK1428	Frequency	Percent	Cumulative Frequency	Cumulative Percent
. MISSING		116	.	.	.
0 NEGATIVE		3144	84.3	3144	84.3
1 POS. DOWN		269	7.2	3413	91.5
2 DBT. DOWN		269	7.2	3682	98.7
4 DBT. UP		3	0.1	3685	98.8
9 UNKNOWN		44	1.2	3729	100.0

TEMPORAL ST CHANGE, X4

	WK1429	Frequency	Percent	Cumulative Frequency	Cumulative Percent
. MISSING		116	.	.	.
0 NEGATIVE		3403	91.3	3403	91.3
1 POS. DOWN		164	4.4	3567	95.7
2 DBT. DOWN		116	3.1	3683	98.8
3 POS. UP		1	0.0	3684	98.8
4 DBT. UP		1	0.0	3685	98.8
9 UNKNOWN		44	1.2	3729	100.0

CAUSE OF SAT/CHANGE, X4

	WK1430	Frequency	Percent	Cumulative Frequency	Cumulative Percent
. MISSING		116	.	.	.
0 NEGATIVE		3260	87.4	3260	87.4
8 INTERIM DISEASE		3	0.1	3263	87.5
9 UNKNOWN		466	12.5	3729	100.0