

Boston Puerto Rican Health Study Wave 2 (~2-year visit) Codebook

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DEMOGRAPHICS & SOCIOECONOMIC STATUS

Note: Other Work History and Income Variables are included in the Acculturation section.

I would like for you to tell me about your household income: who contributes to the necessary expenses, and in what way, and how often does each contributor help out? You have no obligation to share this information with me, but remember that all of the information you share with me will be kept completely confidential.

CO-INFORMANT: YES ___ NO ___ PROXFSS_2YR

HOUSEHOLD INCOME (HI)

Relationship to Subject (Specify contributor's relationship to subject)	Source of Income CIRCLE ALL THAT APPLY	Amount CODES: -997 Refused -998 don't know	Frequency		Amount	CODES: 1. Weekly 2. Bi-weekly 3. Monthly 4. Yearly
			NO	YES		
1. Subject/Self	0. Employment	Hi1Si0_2YR	0	1	\$Hi1Amt0_2YR	Hi1Freq0_2YR
	1. TANF	Hi1Si1_2YR	0	1	\$Hi1Amt1_2YR	Hi1Freq1_2YR
	2. SSI	Hi1Si2_2YR	0	1	\$Hi1Amt2_2YR	Hi1Freq2_2YR
	3. SSDI	Hi1Si3_2YR	0	1	\$Hi1Amt3_2YR	Hi1Freq3_2YR
	4. Child	Hi1Si4_2YR	0	1	\$Hi1Amt4_2YR	Hi1Freq4_2YR
	5. Pension	Hi1Si5_2YR	0	1	\$Hi1Amt5_2YR	Hi1Freq5_2YR
	6. Retirement	Hi1Si6_2YR	0	1	\$Hi1Amt6_2YR	Hi1Freq6_2YR
	7. Food Stamps (ATDP)	Hi1Si7_2YR	0	1	\$Hi1Amt7_2YR	Hi1Freq7_2YR
	8. Other	Hi1Si8_2YR	0	1	\$Hi1Amt8_2YR	Hi1Freq8_2YR
9. Other	Hi1Si9_2YR	0	1	\$Hi1Amt9_2YR	Hi1Freq9_2YR	
2. __Hi_2_2YR	0. Employment	Hi2Si0_2YR	0	1	\$Hi2Amt0_2YR	Hi2Freq0_2YR
	1. TANF	Hi2Si1_2YR	0	1	\$Hi2Amt1_2YR	Hi2Freq1_2YR
	2. SSI	Hi2Si2_2YR	0	1	\$Hi2Amt2_2YR	Hi2Freq2_2YR
	3. SSDI	Hi2Si3_2YR	0	1	\$Hi2Amt3_2YR	Hi2Freq3_2YR
	4. Child	Hi2Si4_2YR	0	1	\$Hi2Amt4_2YR	Hi2Freq4_2YR
	5. Pension	Hi2Si5_2YR	0	1	\$Hi2Amt5_2YR	Hi2Freq5_2YR
	6. Retirement	Hi2Si6_2YR	0	1	\$Hi2Amt6_2YR	Hi2Freq6_2YR
	7. Food Stamps (ATDP)	Hi2Si7_2YR	0	1	\$Hi2Amt7_2YR	Hi2Freq7_2YR
	8. Other	Hi2Si8_2YR	0	1	\$Hi2Amt8_2YR	Hi2Freq8_2YR
9. Other	Hi2Si9_2YR	0	1	\$Hi2Amt9_2YR	Hi2Freq9_2YR	
3. __Hi_3_2YR	0. Employment	Hi3Si0_2YR	0	1	\$Hi3Amt0_2YR	Hi3Freq0_2YR
	1. TANF	Hi3Si1_2YR	0	1	\$Hi3Amt1_2YR	Hi3Freq1_2YR
	2. SSI	Hi3Si2_2YR	0	1	\$Hi3Amt2_2YR	Hi3Freq2_2YR
	3. SSDI	Hi3Si3_2YR	0	1	\$Hi3Amt3_2YR	Hi3Freq3_2YR
	4. Child	Hi3Si4_2YR	0	1	\$Hi3Amt4_2YR	Hi3Freq4_2YR
	5. Pension	Hi3Si5_2YR	0	1	\$Hi3Amt5_2YR	Hi3Freq5_2YR
	6. Retirement	Hi3Si6_2YR	0	1	\$Hi3Amt6_2YR	Hi3Freq6_2YR
	7. Food Stamps (ATDP)	Hi3Si7_2YR	0	1	\$Hi3Amt7_2YR	Hi3Freq7_2YR
	8. Other	Hi3Si8_2YR	0	1	\$Hi3Amt8_2YR	Hi3Freq8_2YR
9. Other	Hi3Si9_2YR	0	1	\$Hi3Amt9_2YR	Hi3Freq9_2YR	
4. __Hi_4_2YR	0. Employment	Hi4Si0_2YR	0	1	\$Hi4Amt0_2YR	Hi4Freq0_2YR
	1. TANF	Hi4Si1_2YR	0	1	\$Hi4Amt1_2YR	Hi4Freq1_2YR
	2. SSI	Hi4Si2_2YR	0	1	\$Hi4Amt2_2YR	Hi4Freq2_2YR
	3. SSDI	Hi4Si3_2YR	0	1	\$Hi4Amt3_2YR	Hi4Freq3_2YR
	4. Child	Hi4Si4_2YR	0	1	\$Hi4Amt4_2YR	Hi4Freq4_2YR
	5. Pension	Hi4Si5_2YR	0	1	\$Hi4Amt5_2YR	Hi4Freq5_2YR

	6.	Retirement	Hi4Si6_2YR	0	1	\$ Hi4Amt6_2YR	Hi4Freq6_2YR
Hi4Si7_2YR	7.	Food Stamps (ATDP)		0	1	\$ Hi4Amt7_2YR	Hi4Freq7_2YR
Hi4Si8_2YR	8.	Other	Hi4Si8t_2YR	0	1	\$ Hi4Amt8_2YR	Hi4Freq8_2YR
Hi4Si9_2YR	9.	Other	Hi4Si9t_2YR	0	1	\$ Hi4Amt9_2YR	Hi4Freq9_2YR

Total Household Income _____

DERIVED HOUSEHOLD INCOME VARIABLES

HI_EMPLOY_2YR: household income due to employment

=sum(HI1YEAR0_2YR, HI2YEAR0_2YR, HI3YEAR0_2YR, HI4YEAR0_2YR);

HI_TANF_2YR: household income due to TANf

=sum(HI1YEAR1_2YR, HI2YEAR1_2YR, HI3YEAR1_2YR, HI4YEAR1_2YR);

HI_SSI_2YR: household income due to SSI

=sum(HI1YEAR2_2YR, HI2YEAR2_2YR, HI3YEAR2_2YR, HI4YEAR2_2YR);

HI_SSDI_2YR: household income due to SSDI

=sum(HI1YEAR3_2YR, HI2YEAR3_2YR, HI3YEAR3_2YR, HI4YEAR3_2YR);

HI_CHILD_2YR

=sum(HI1YEAR4_2YR, HI2YEAR4_2YR, HI3YEAR4_2YR, HI4YEAR4_2YR);

HI_PENSION_2YR

=sum(HI1YEAR5_2YR, HI2YEAR5_2YR, HI3YEAR5_2YR, HI4YEAR5_2YR);

HI_RETIRE_2YR

=sum(HI1YEAR6_2YR, HI2YEAR6_2YR, HI3YEAR6_2YR, HI4YEAR6_2YR);

HI_STAMP_2YR

=sum(HI1YEAR7_2YR, HI2YEAR7_2YR, HI3YEAR7_2YR, HI4YEAR7_2YR);

HI_OTHER1_2YR

=sum(HI1YEAR8_2YR, HI2YEAR8_2YR, HI3YEAR8_2YR, HI4YEAR8_2YR);

HI_OTHER2_2YR

=sum(HI1YEAR9_2YR, HI2YEAR9_2YR, HI3YEAR9_2YR, HI4YEAR9_2YR);

HI_TOT_2YR: total household income

=HI_EMPLOY_2YR + HI_TANF_2YR + HI_SSI_2YR + HI_SSDI_2YR + HI_CHILD_2YR +
 HI_PENSION_2YR
 + HI_RETIRE_2YR + HI_STAMP_2YR + HI_OTHER1_2YR + HI_OTHER2_2YR;

HI_NOTEMPLOY_2YR: total household income other than employment

=HI_TOT_2YR - HI_EMPLOY_2YR;

***Note, all the variables used to create these derived variables (HI1YEAR0_2YR –HI1YEAR9_2YR, HI2YEAR0_2YR –HI2YEAR9_2YR, HI3YEAR0_2YR –HI3YEAR9_2YR, HI4YEAR0_2YR –HI4YEAR9_2YR) are not included in the released database, but are included in an ancillary database and are available upon request. Please request them instead of trying to rederive these variables.

Use Poverty Threshold Table (see Appendix) to look up values: Find year subject interviewed (VIS2_DT_2YR), size of family unit (HC1_2YR), total household income (HI_TOT_2YR), and threshold dollar amount.

POVINC_2YR (HHS Poverty Guidelines per year)

1: HI_TOT_2YR <= Threshold

0: HI_TOT_2YR > Threshold

INCOMEPOVRATIO_2YR: Income to poverty ratio
= HI_TOT_2YR / Threshold

POVINC120_2YR: 120% Income to poverty

1: INCOMEPOVRATIO_2YR <= 120

0: INCOMEPOVRATIO_2YR >120

HOUSEHOLD COMPOSITION (HC)

Instructions: In this section, I will ask you some questions regarding the composition of your household.

CO-INFORMANT:	YES _____	NO _____	PROXHC _____	
1. How many persons live here, including yourself?	HC1_2YR _____ (Total)		HC1B_2YR ____ (0-5y) HC1C_2YR ____ (6-12y)	
2. Who are the members of your household? Codes: 1. Subject 2. Spouse 3. Son/Stepson 4. Daughter/Stepdaughter 5. Brother/Brother-in-law 6. Sister/Sister-in-law 7. Grandson 8. Granddaughter 9. Other 20. Co-owner Indicate sex; use 1= Female; 2= Male	A. Relationship	B. Code	C. Age	D. Sex
	HC2R1_2YR	HC2RC1_2YR	HC2AGE1_2YR	HC2SX1_2YR
	1. Self _____	1 _____		
	HC2R2_2YR	HC2RC2_2YR	HC2AGE2_2YR	HC2SX2_2YR
	2. _____			
	HC2R3_2YR	HC2RC3_2YR	HC2AGE3_2YR	HC2SX3_2YR
	3. _____			
	HC2R4_2YR	HC2RC4_2YR	HC2AGE4_2YR	HC2SX4_2YR
	4. _____			
	HC2R5_2YR	HC2RC5_2YR	HC2AGE5_2YR	HC2SX5_2YR
	5. _____			
	HC2R6_2YR	HC2RC6_2YR	HC2AGE6_2YR	HC2SX6_2YR
	6. _____			
	HC2R7_2YR	HC2RC7_2YR	HC2AGE7_2YR	HC2SX7_2YR
	7. _____			
	HC2R8_2YR	HC2RC8_2YR	HC2AGE8_2YR	HC2SX8_2YR
	8. _____			
	HC2R9_2YR	HC2RC9_2YR	HC2AGE9_2YR	HC2SX9_2YR
	9. _____			
	HC2R10_2YR	HC2RC10_2YR	HC2AGE10_2YR	HC2SX10_2YR
	10. _____			
	HC2R11_2YR	HC2RC11_2YR	HC2AGE11_2YR	HC2SX11_2YR
	11. _____			
	HC2R12_2YR	HC2RC12_2YR	HC2AGE12_2YR	HC2SX12_2YR
	12. _____			
3. Who is the person who rents or owns this house or apartment?	Relationship _____		HC3_2YR	
	<i>(Enter corresponding # from column B above; if S is HH head, enter 1) (Code 20 if co-ownership)</i>			
4. Do you or your family own or rent this home?	1. Owned	2. Rented	HC4_2YR	
5. How many years have you been living here in this (house/ apartment)?	HC5B1_2YR _____ years	HC5B2_2YR _____ months		

<p>6. What is the highest grade you completed in school?</p>	<p>1. No schooling 2. Kindergarten to 4th. grade 3. 5th. to 6th. grade 4. 7th. to 8th. grade 5. 9th. grade 6. 10th. grade 7. 11th. grade 8. 12th. Grade 9. High school graduate; HS diploma or equivalent/GED 10. Some college credit, but less that 1 year 11. 1 or more years of college; no degree 12. Associate degree; i.e. AA, AS 13. Bachelor's degree, i.e. BA, BS, AB 14. Masters (i.e. MS, MA, MEng, MBA) 15. Professional degree, (i.e. MD, JD, DDS) 16. Doctorate degree, (i.e. PhD, EdD) 96. Refused 97. Don't remember (dr)</p> <p style="text-align: right;">HC6_2YR</p>
<p>7. If S is NOT the HOUSEHOLD HEAD: What was the highest grade completed by _____(HH head)?</p>	<p>1. No schooling 2. Kindergarten to 4th. grade 3. 5th. to 6th. grade 4. 7th. to 8th. grade 5. 9th. grade 6. 10th. grade 7. 11th. grade 8. 12th. Grade 9. High school graduate; HS diploma or equivalent/GED 10. Some college credit, but less that 1 year 11. 1 or more years of college; no degree 12. Associate degree; i.e. AA, AS 13. Bachelor's degree, i.e. BA, BS, AB 14. Masters (i.e. MS, MA, MEng, MBA) 15. Professional degree, (i.e. MD, JD, DDS) 16. Doctorate degree, (i.e. PhD, EdD) 96. Refused 97. Don't remember (dr) 98. Don't know (dk)</p> <p style="text-align: right;">HC7_2YR</p>
<p>8. CURRENT MARITAL STATUS: Which of the following categories best describes your current marital status? READ ALL CATEGORIES: 1. Married/living as married/spouse in hh 2. Spouse not in hh 3. Divorced/separated 4. Widowed 5. Never married</p>	<p>1. Married/ living as married, spouse in hh HC8_2YR 2. Married, spouse not in hh 3. Divorced/ separated 4. Widowed 5. Never married</p>

DERIVED DEMOGRAPHIC AND EDUCATION VARIABLES

AGE_2YR: Calculated from date of visit and birth date
= int ((VIS2_DT_2YR - BDATE) / 365.25)

VIS2_DT_2YR: date of two-year visit

VIS1_DT: date of baseline visit

YEARVIS_2YR: year of two-year visit

TIMEDIFF_VIS1_2YR: Years between baseline and two-year visit

FEMALE: sex of subject
1: female
0: male

HC5_2YR: Time in years living at current residence (combination of HC5B1_2YR [years] and HC5B2_2YR [months]).

EDUC: education of subject (collapsed categories from 1st and 2nd versions of the form with very different questions about education). **BASELINE VARIABLE**

- 1: no schooling
- 2: kindergarten-4th grade
- 3: 5th-6th grade
- 4: 7th-8th grade
- 5: 9th grade
- 6: 10th grade
- 7: 11th grade
- 8: 12th grade/GED
- 9: some college / no bachelor's degree
- 10: bachelor's degree
- 11: at least some graduate school

EDUC3: Reclassified education of subject. **BASELINE VARIABLE - USE THIS VARIABLE PREFERABLY OVER EDUC**

- 1: No schooling or less than 5th grade (EDUC = 1 OR 2)
- 2: 5th – 8th grade (EDUC = 3 OR 4)
- 3: 9th – 12th grade OR GED (EDUC = 5, 6, 7, OR 8)
- 4: Some college OR bachelor's degree (EDUC = 9 OR 10)
- 5: At least some graduate school (EDUC = 11)

HHEDUC_2YR: education of head of household if subject not head of household (collapsed categories from 1st and 2nd versions of the form with very different questions about education)

- 1: no schooling
- 2: kindergarten-4th grade

- 3: 5th-6th grade
- 4: 7th-8th grade
- 5: 9th grade
- 6: 10th grade
- 7: 11th grade
- 8: 12th grade/GED
- 9: some college / no bachelor's degree
- 10: bachelor's degree
- 11: at least some graduate school

GRADELES: subject education less than or equal to 8th grade. **BASELINE VARIABLE**

0: Subject with greater than 8th grade education (EDUC > 4)

1: Subject with less than or equal to 8th grade education (EDUC <= 4)

ACCULTURATION

WORK HISTORY AND INCOME (WH)

Instructions: The following questions will refer to your work history and income.

CO-INFORMANT: YES _____ NO _____		PROXWH
1. Since your last interview, have you held a paid job for more than three months?	1. Yes 0. No (If NO, GO TO #8)	WH1x_2YR
For the following questions where a CODE for TYPE of JOB is required, use these job categories:		
1. Executive administrative and managerial 2. Civil Service 3. Healthcare 4. Teaching / Education 5. Technicians and support 6. Sales; Administrative support, including clerical 7. Private household business 8. Armed Services	9. Farming forestry, and finishing occupations 10. Production, craft, and repair 11. Machine operators, assemblers, and inspectors 12. Transportation and material moving occupations 13. Handlers, equipment cleaners, helpers and labor 14. Other 96. Refused 98. Don't know 99. Not applicable	
2. Are you currently working?	1. Yes 0. No (If NO, GO TO #6)	WH5_2YR
3. What is your current job?	WH6A_2YR _____	WH6AC_2YR _____
	Type of job	(code)
4. How many hours per week do you work?	_____ hours per week	WH7_2YR
5. When do you plan to stop working?	Year: _____ (Enter 9998 if dk) (answer and skip to #-7)	WH8_2YR
6. Why did you stop working? (PROBE: For health reasons?)	Reason: _____	WH11A_2YR
7. Who manages the household income?	1. Yourself (Study Subject) WH12bx_2YR 2. Spouse 3. Son / Stepson 4. Daughter / Stepdaughter 5. Brother / Brother-in-law 6. Sister / Sister-in-law 7. Grandson 8. Granddaughter 9. Other 10. Both subject & spouse	

Note: Household income variables are included in the Demographics & Socioeconomic Status section.

ACCULTURATION (ACC)

Instructions: The following questions have the purpose of exploring acculturation and assimilation to this country.

1. What language do you use:	Only Spanish	More Spanish than English	Both equally	More English than Spanish	Only English	NA
1A...for watching TV?	1	2	3	4	5	6
1B...for reading newspapers/books?	1	2	3	4	5	6
1C...for speaking with neighbors?	1	2	3	4	5	6
1D...at work?	1	2	3	4	5	6
1E...for listening to the radio?	1	2	3	4	5	6
1F...with friends?	1	2	3	4	5	6
1G...with family?	1	2	3	4	5	6

PSYCHOLOGICAL ACCULTURATION SCALE (PAS)

Instructions: The purpose of the following ten questions is to understand your cultural preferences. We are interested in learning which group – either Puerto Ricans or Americans – you feel most comfortable with and can best identify with.

	Only w/PR	More w/PR than Americans	Same among PR and Americans	More w/Americans than PR	Only w/Americans
1. With which group of people do you feel you share most of your beliefs and values ?	1-----	2-----	3-----	4-----	5
2. With which group of people do you feel you have the most in common ?	1-----	2-----	3-----	4-----	5
3. With which group of people do you feel most comfortable ?	1-----	2-----	3-----	4-----	5
4. In your opinion, which group of people best understands your ideas (your way of thinking)?	1-----	2-----	3-----	4-----	5
5. Which culture do you feel proud to be a part of?	1-----	2-----	3-----	4-----	5

6. In what culture do you know how things are done and feel that you can do them easily ?	PAS6_2YR
	1----- 2 ----- 3 ----- 4 ----- 5
7. In what culture do you feel confident that you know how to act ?	PAS7_2YR
	1----- 2 ----- 3 ----- 4 ----- 5
8. In your opinion, which group of people do you understand best?	PAS8_2YR
	1----- 2 ----- 3 ----- 4 ----- 5
9. In what culture do you know what is expected of a person in various situations?	PAS9_2YR
	1----- 2 ----- 3 ----- 4 ----- 5
10. Which culture do you know the most about (for example: its history, traditions, and customs)?	PAS10_2YR
	1----- 2 ----- 3 ----- 4 ----- 5

DERIVED ACCULTURATION VARIABLES

CACCULTUR_2YR: Language acculturation score 0 to 100%
 $100 * \sum (ACC10_{A-G} - 1) / (4 * \text{number answered})$

100%: Fully acculturated subject speaks fluent English
 0%: Fully unacculturated subject speaks only Spanish

CACCULTURZZ_2YR:
 0: $0 \leq CACCULTUR_2YR < 50$
 1: $CACCULTUR_2YR \geq 50$ (%)

PAS_2YR: Psychological acculturation score
 $PAS1_2YR + PAS2_2YR + PAS3_2YR + PAS4_2YR + PAS5_2YR + PAS6_2YR + PAS7_2YR + PAS8_2YR + PAS9_2YR + PAS10_2YR;$

PAS_A_2YR: Psychological acculturation score (algorithm applied: participant mean used in place of missing response of PAS1_2YR - PAS10_2YR if 5 or less are missing)
 $PAS1_A_2YR + PAS2_A_2YR + PAS3_A_2YR + PAS4_A_2YR + PAS5_A_2YR + PAS6_A_2YR + PAS7_A_2YR + PAS8_A_2YR + PAS9_A_2YR + PAS10_A_2YR;$

PSYCOSOCIAL STATUS**DEPRESSION SCALE (DS)**

Instructions: I will now read out loud a series of comments made by different people. After I read each one of them, I would like for you to tell me if you have felt in such a way during the past week. Please use the following categories: **[READ CATEGORIES]**.

<i>During the past week, that would be from (date) through today:</i>	<i>Rarely or Never</i>	<i>Some or few times</i>	<i>Occasionally or a moderate amount</i>	<i>Most of the time or all of the time</i>	
1. I was bothered by things that usually don't bother me	0	1	2	3	DS1_2YR
2. I did not feel like eating: my appetite was poor	0	1	2	3	DS2_2YR
3. I felt that I could not shake off the blues even with help from my family or friends	0	1	2	3	DS3_2YR
4. I felt that I was just as good as other people *	3	2	1	0	DS4_2YR
5. I had trouble keeping my mind on what I was doing	0	1	2	3	DS5_2YR
6. I felt depressed	0	1	2	3	DS6_2YR
7. I felt that everything I did was an effort	0	1	2	3	DS7_2YR
8. I felt hopeful about the future *	3	2	1	0	DS8_2YR
9. I thought my life had been a failure	0	1	2	3	DS9_2YR
10. I felt fearful	0	1	2	3	DS10_2YR
11. My sleep was restless	0	1	2	3	DS11_2YR
12. I was happy *	3	2	1	0	DS12_2YR
13. I talked less than usual	0	1	2	3	DS13_2YR
14. I felt lonely	0	1	2	3	DS14_2YR
15. People were unfriendly	0	1	2	3	DS15_2YR
16. I enjoyed life *	3	2	1	0	DS16_2YR
17. I had crying spells	0	1	2	3	DS17_2YR
18. I felt sad	0	1	2	3	DS18_2YR
19. I felt that people disliked me	0	1	2	3	DS19_2YR
20. I could not get "going"	0	1	2	3	DS20_2YR

*scored in reverse

DERIVED DEPRESSION VARIABLES

CESD_SCORE_2YR: Depression score

=DS1_2YR + DS2_2YR + DS3_2YR + DS4_2YR + DS5_2YR + DS6_2YR + DS7_2YR + DS8_2YR + DS9_2YR + DS10_2YR + DS11_2YR + DS12_2YR + DS13_2YR + DS14_2YR + DS15_2YR + DS16_2YR + DS17_2YR + DS18_2YR + DS19_2YR + DS20_2YR

CESD_GE_16_2YR: Depression score higher than 16

1: CESD_SCORE_2YR >= 16

0: 0 <= CESD_SCORE_2YR < 16

CESDWRX_2YR: Depression score higher than 16 and/or taking anti-depressants

1: CESD_GE_16_2YR = 1 OR MANTDEP_2YR = 1

0: CESD_GE_16_2YR = 0 AND MANTDEP_2YR = 0

CESDCAT_2YR:

1: 0 <= CESD_SCORE_2YR <= 15

2: 16 <= CESD_SCORE_2YR < 22

3: CESD_SCORE_2YR >= 22

Using the variables below with the algorithm applied increases the number of participants with non-missing data.

CESD_SCORE_A_2YR: algorithm applied using published factor scores to impute values

for subjects missing CESD data

DS1_A_2YR + DS2_A_2YR + DS3_A_2YR + DS4_A_2YR + DS5_A_2YR + DS6_A_2YR + DS7_A_2YR + DS8_A_2YR + DS9_A_2YR + DS10_A_2YR + DS11_A_2YR + DS12_A_2YR + DS13_A_2YR + DS14_A_2YR + DS15_A_2YR + DS16_A_2YR + DS17_A_2YR + DS18_A_2YR + DS19_A_2YR + DS20_A_2YR

Note: only the final derived variables (in blue) are included in the released dataset. All other variables having to do with applying the algorithm are available in an ancillary database upon request.

CESD_GE_16_A_2YR: Depression score higher than 16 (algorithm applied)

1: CESD_SCORE_A_2YR >= 16

0: 0 <= CESD_SCORE_A_2YR < 16

CESDWRX_A_2YR: Depression score higher than 16 and/or taking anti-depressants (algorithm applied)

1: CESD_GE_16_A_2YR = 1 OR MANTDEP_2YR = 1

0: CESD_GE_16_A_2YR = 0 AND MANTDEP_2YR = 0

CESDCAT_A_2YR: categories of depression (algorithm applied)

1: 0 <= CESD_SCORE_A_2YR <= 15

2: 16 <= CESD_SCORE_A_2YR < 22

3: CESD_SCORE_A_2YR >= 22

PERCEIVED STRESS SCALE (PSS)

Instructions: The questions in this scale ask you about your feelings and thoughts during the last month. In each case, you will be asked to indicate how often you felt or thought a certain way. Although some of the questions are similar, there are differences between them and you should treat each one as a separate question. The best approach is to answer each question fairly quickly. That is, don't try to count up the number of times you felt a particular way, but rather indicate the alternative that seems like a reasonable estimate. — For each question, choose from the following alternatives: **[READ CATEGORIES]**

In the last month...	Never	Almost Never	Every now and then	Often	Very Often	
1. ...how often have you been upset because of something that happened unexpectedly?	0	1	2	3	4	PSS1_2YR
2. ...how often have you felt that you were unable to control the important things in your life?	0	1	2	3	4	PSS2_2YR
3. ...how often have you felt nervous and "stressed"?	0	1	2	3	4	PSS3_2YR
4. ...how often have you dealt successfully with irritating life hassles? *	4	3	2	1	0	PSS4_2YR
5. ...how often have you felt that you were effectively coping with important changes that were occurring in your life? *	4	3	2	1	0	PSS5_2YR
6. ...how often have you felt confident about your ability to handle your personal problems? *	4	3	2	1	0	PSS6_2YR
7. ...how often have you felt that things were going your way? *	4	3	2	1	0	PSS7_2YR
8. ...how often have you found that you could not cope with all the things that you had to do?	0	1	2	3	4	PSS8_2YR
9. ...how often have you been able to control irritations in your life? *	4	3	2	1	0	PSS9_2YR
10. ...how often have you felt that you were on top of things? *	4	3	2	1	0	PSS10_2YR
11. ...how often have you been angered because of things that happened or were outside of your control?	0	1	2	3	4	PSS11_2YR
12. ...how often have you found yourself thinking about things that you have to accomplish?	0	1	2	3	4	PSS12_2YR
13. ...how often have you been able to control the way you spend your time? *	4	3	2	1	0	PSS13_2YR
14. ...how often have you felt difficulties were piling up so high that you could not overcome them?	0	1	2	3	4	PSS14_2YR

* scored in the reverse direction

MAHES STRESS SCALE (MSS)

Instructions: The questions that follow explore how you have felt with regards to certain things during the past month. Please answer the question using the following options.

In the last month...	Never	Almost Never	Every now and then	Often	Very Often	
1. How often have you worried about your health?	0	1	2	3	4	MSS1_2YR
2. How often have you found yourself thinking about the problems of others?	0	1	2	3	4	MSS2_2YR
3. How often have you thought that your money does not go far enough?	0	1	2	3	4	MSS3_2YR
4. How often have you thought that there is nobody to turn to?	0	1	2	3	4	MSS4_2YR
5. How often have you worried about losing family and friends?	0	1	2	3	4	MSS5_2YR
6. How often have you worried about your safety? *	0	1	2	3	4	MSS6_2YR
7. How often have you worried about your future? *	0	1	2	3	4	MSS7_2YR
8. How often have you thought that others do not understand your concerns?	0	1	2	3	4	MSS8_2YR
9. How often have you worried that you cannot do everything you have to do? *	0	1	2	3	4	MSS9_2YR
10. How often have you worried about unanticipated problems or situations? *	0	1	2	3	4	MSS10_2YR
11. How often have you felt nervous because of problems in your life?	0	1	2	3	4	MSS11_2YR
12. How often have you worried that you do not have access to needed help?	0	1	2	3	4	MSS12_2YR

BRIEF COPE SCALE (COPE)

Instructions: The following are some ways of coping with difficult situations. Think of a difficult situation you had to face during the past year. We want to know how you coped with that difficult situation. Please use the following answer options (READ ANSWER OPTIONS).

	<i>I didn't do this at all</i>	<i>I did this a little bit</i>	<i>I did this a medium amount</i>	<i>I did this a lot</i>	
1. I turned to work or other activities to take my mind off things	1	2	3	4	COPE1_2YR
2. I concentrated my efforts on doing something about the situation I'm in.	1	2	3	4	COPE2_2YR
3. I said to myself "this isn't real".	1	2	3	4	COPE3_2YR
4. I used alcohol or other drugs to make myself feel better.	1	2	3	4	COPE4_2YR
5. I got emotional support from others.	1	2	3	4	COPE5_2YR
6. I gave up trying to deal with it.	1	2	3	4	COPE6_2YR
7. I took action to try to make the situation better.	1	2	3	4	COPE7_2YR
8. I refused to believe that it has happened.	1	2	3	4	COPE8_2YR
9. I said things to let my unpleasant feelings escape.	1	2	3	4	COPE9_2YR
10. I used alcohol or other drugs to help me get through it.	1	2	3	4	COPE10_2YR
11. I tried to see it in a different light, to make it seem more positive.	1	2	3	4	COPE11_2YR
12. I tried to come up with a strategy about what to do.	1	2	3	4	COPE12_2YR
13. I got comfort and understanding from someone.	1	2	3	4	COPE13_2YR
14. I gave up the attempt to cope.	1	2	3	4	COPE14_2YR
15. I looked for something good in what is happening.	1	2	3	4	COPE15_2YR
16. I made jokes about it.	1	2	3	4	COPE16_2YR
17. I did something to think about it less, such as going to movies, watching TV, reading, daydreaming, sleeping or shopping.	1	2	3	4	COPE 17_2YR
18. I accepted the reality of the fact that it has happened.	1	2	3	4	COPE 18_2YR
19. I expressed my negative feelings.	1	2	3	4	COPE 19_2YR
20. I tried to find comfort in my religion or spiritual beliefs.	1	2	3	4	COPE 20_2YR
21. I learned to live with it.	1	2	3	4	COPE 21_2YR
22. I thought hard about what steps to take.	1	2	3	4	COPE 22_2YR
23. I prayed or meditated.	1	2	3	4	COPE 23_2YR
24. I made fun of the situation.	1	2	3	4	COPE 24_2YR

DERIVED STRESS VARIABLES

Original PSS variables are available upon request.

PSS_2YR: Perceived stress score

$PSS1_2YR + PSS2_2YR + PSS3_2YR + PSS4_2YR + PSS5_2YR + PSS6_2YR + PSS7_2YR + PSS8_2YR + PSS9_2YR + PSS10_2YR + PSS11_2YR + PSS12_2YR + PSS13_2YR + PSS14_2YR;$

Using PSS_A_2YR increases the number of participants with non-missing data.

PSS_A_2YR: Perceived stress score (algorithm applied: imputed mean of PSS1-PSS14 if 7 or less are missing)

$PSS1_A_2YR + PSS2_A_2YR + PSS3_A_2YR + PSS4_A_2YR + PSS5_A_2YR + PSS6_A_2YR + PSS7_A_2YR + PSS8_A_2YR + PSS9_A_2YR + PSS10_A_2YR + PSS11_A_2YR + PSS12_A_2YR + PSS13_A_2YR + PSS14_A_2YR;$

MAHES_SCALE_2YR: MAHES Stress scale

$MSS1_2YR + MSS2_2YR + MSS3_2YR + MSS4_2YR + MSS5_2YR + MSS6_2YR + MSS7_2YR + MSS8_2YR + MSS9_2YR + MSS10_2YR + MSS11_2YR + MSS12_2YR$

COPE_SCALE1_2YR: Self – distraction

$=COPE1_2YR + COPE17_2YR$

COPE_SCALE2_2YR: Active coping

$=COPE2_2YR + COPE7_2YR$

COPE_SCALE3_2YR: Denial

$=COPE3_2YR + COPE8_2YR$

COPE_SCALE4_2YR: Substance use

$=COPE4_2YR + COPE10_2YR$

COPE_SCALE5_2YR: Use of emotional support

$=COPE5_2YR + COPE13_2YR$

COPE_SCALE6_2YR: Behavioral disengagement

$=COPE6_2YR + COPE14_2YR$

COPE_SCALE7_2YR: Venting

$=COPE9_2YR + COPE19_2YR$

COPE_SCALE8_2YR: Positive reframing

$=COPE11_2YR + COPE15_2YR$

COPE_SCALE9_2YR: Planning

$=COPE12_2YR + COPE22_2YR$

COPE_SCALE10_2YR: Humor
=COPE16_2YR+COPE24_2YR

COPE_SCALE11_2YR: Acceptance
=COPE18_2YR+COPE21_2YR

COPE_SCALE12_2YR: Religion
=COPE20_2YR+COPE23_2YR

NORBECK SOCIAL SUPPORT QUESTIONNAIRE (NSSQ)

INTERVIEWER: Please read all of the instructions on this page prior to starting with this section.

Instructions: Please list each significant person in your life on the right. Consider all the persons who provide personal support for you or who are important to you.

When making your list, use only the first name or the initials of the person, and then indicate the relationship that you have with each one of them.

Example:

First Name or Initials	Relationship
1. <u> Mary T </u>	<u> friend </u>
2. <u> Bob </u>	<u> brother </u>
3. <u> MT </u>	<u> mother </u>
4. <u> Sam </u>	<u> friend </u>
5. <u> Mrs. R </u>	<u> neighbor </u>
etc.	

Use the following list as a guide. Think about the people that are important to you and give the names of as many people as apply in your case.

- spouse or partner
- family members or relatives
- friends
- work or school associates
- neighbors
- health care providers
- counselor or therapist
- minister/priest/rabbi
- other

You do not have to name 16 people. Only name the important people in your life.

WHEN YOU HAVE FINISHED YOUR LIST, PLEASE TURN TO PAGE 28.

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University of California, San Francisco
Revised 1982, 1995

For each person you included in your list, please answer the following questions by using the number that corresponds to your response.

0 = not at all 3 = quite a bit
 1 = a little 4 = a great deal
 2 = moderately

EMO1

Question 1:
 How much does this person make you feel liked or loved?

EMO2

Question 2:
 How much does this person make you feel respected or admired?

1.EMO1_1_2YR	1. EMO2_1_2YR
2.EMO1_2_2YR	2. EMO2_2_2YR
3.EMO1_3_2YR	3. EMO2_3_2YR
4.EMO1_4_2YR	4. EMO2_4_2YR
5.EMO1_5_2YR	5. EMO2_5_2YR
6.EMO1_6_2YR	6. EMO2_6_2YR
7.EMO1_7_2YR	7. EMO2_7_2YR
8.EMO1_8_2YR	8. EMO2_8_2YR
9.EMO1_9_2YR	9. EMO2_9_2YR
10.EMO1_10_2YR	10. EMO2_10_2YR
11.EMO1_11_2YR	11.EMO2_11_2YR
12.EMO1_12_2YR	12. EMO2_12_2YR
13.EMO1_13_2YR	13. EMO2_13_2YR
14.EMO1_14_2YR	14.EMO2_14_2YR
15.EMO1_15_2YR	15.EMO2_15_2YR
16.EMO1_16_2YR	16.EMO2_16_2YR

Note: Before use, pages 27-30 should be cut along the dashed center line to allow the response lines for questions 1-6 to align with the Personal Network list on page 31.

For each person you included in your list, please answer the following questions by using the number that corresponds to your response.

0 = not at all 3 = quite a bit
 1 = a little 4 = a great deal
 2 = moderately

EMO3

Question 3:
 How much can you confide
 in this person?

EMO4

Question 4:
 How much does this
 person agree with or
 support your actions or
 thoughts?

1.EMO3_1_2YR	1.EMO4_1_2YR
2.EMO3_2_2YR	2.EMO4_2_2YR
3.EMO3_3_2YR	3.EMO4_3_2YR
4.EMO3_4_2YR	4.EMO4_4_2YR
5.EMO3_5_2YR	5.EMO4_5_2YR
6.EMO3_6_2YR	6.EMO4_6_2YR
7.EMO3_7_2YR	7.EMO4_7_2YR
8.EMO3_8_2YR	8.EMO4_8_2YR
9.EMO3_9_2YR	9.EMO4_9_2YR
10EMO3_10_2YR	10EMO4_10_2YR
11EMO3_11_2YR	11.EMO4_11_2YR
12EMO3_12_2YR	12.EMO4_12_2YR
13.EMO3_13_2YR	13.EMO4_13_2YR
14.EMO3_14_2YR	14.EMO4_14_2YR
15.EMO3_15_2YR	15.EMO4_15_2YR
16 .EMO3_16_2YR	16.EMO4_16_2YR

Note: Before use, pages 27-30 should be cut along the dashed center line to allow the response lines for questions 1-6 to align with the Personal Network list on page 31.

For each person you included in your list, please answer the following questions by using the number that corresponds to your response.

0 = not at all 3 = quite a bit
 1 = a little 4 = a great deal
 2 = moderately

AID5

AID6

Question 5:

If you need to borrow \$10, a ride to the doctor, or some other immediate help, how much could this person usually help?

Question 6:

If you were confined to bed for several weeks, how much could this person help you?

1. AID5_1_2YR	1. AID6_1_2YR
2. AID5_2_2YR	2. AID6_2_2YR
3. AID5_3_2YR	3. AID6_3_2YR
4. AID5_4_2YR	4. AID6_4_2YR
5. AID5_5_2YR	5. AID6_5_2YR
6. AID5_6_2YR	6. AID6_6_2YR
7. AID5_7_2YR	7. AID6_7_2YR
8. AID5_8_2YR	8. AID6_8_2YR
9. AID5_9_2YR	9. AID6_9_2YR
10. AID5_10_2YR	10. AID6_10_2YR
11. AID5_11_2YR	11. AID6_11_2YR
12. AID5_12_2YR	12. AID6_12_2YR
13. AID5_13_2YR	13. AID6_13_2YR
14. AID5_14_2YR	14. AID6_14_2YR
15. AID5_15_2YR	15. AID6_15_2YR
16. AID5_16_2YR	16. AID6_16_2YR

Note: Before use, pages 27-30 should be cut along the dashed center line to allow the response lines for questions 1-6 to align with the Personal Network list on page 31.

DURATION		FREQCON		PERSONAL NETWORK		
Question 7: How long have you known this person?		Question 8: How frequently do you usually have contact with this person? (Phone calls, visits, or letters)		First Name or Initials	Relationship	
1 = less than 6 months 2 = 6 to 12 months 3 = 1 to 2 years 4 = 2 to 5 years 5 = more than 5 years		5 = daily 4 = weekly 3 = monthly 2 = a few times a year 1 = once a year or less				
1.	DUR1_2YR	1.	FREQ1_2YR	1.	PN1A_2YR	PN1B_2YR
2.	DUR2_2YR	2.	FREQ2_2YR	2.	PN2A_2YR	PN2B_2YR
3.	DUR3_2YR	3.	FREQ3_2YR	3.	PN3A_2YR	PN3B_2YR
4.	DUR4_2YR	4.	FREQ4_2YR	4.	PN4A_2YR	PN4B_2YR
5.	DUR5_2YR	5.	FREQ5_2YR	5.	PN5A_2YR	PN5B_2YR
6.	DUR6_2YR	6.	FREQ6_2YR	6.	PN6A_2YR	PN6B_2YR
7.	DUR7_2YR	7.	FREQ7_2YR	7.	PN7A_2YR	PN7B_2YR
8.	DUR8_2YR	8.	FREQ8_2YR	8.	PN8A_2YR	PN8B_2YR
9.	DUR9_2YR	9.	FREQ9_2YR	9.	PN9A_2YR	PN9B_2YR
10.	DUR10_2YR	10.	FREQ10_2YR	10.	PN10A_2YR	PN10B_2YR
11.	DUR11_2YR	11.	FREQ11_2YR	11.	PN11A_2YR	PN11B_2YR
12.	DUR12_2YR	12.	FREQ12_2YR	12.	PN12A_2YR	PN12B_2YR
13.	DUR13_2YR	13.	FREQ13_2YR	13.	PN13A_2YR	PN13B_2YR
14.	DUR14_2YR	14.	FREQ14_2YR	14.	PN14A_2YR	PN14B_2YR
15.	DUR15_2YR	15.	FREQ15_2YR	15.	PN15A_2YR	PN15B_2YR
16.	DUR16_2YR	16.	FREQ16_2YR	16.	PN16A_2YR	PN16B_2YR

**Please be sure you have rated each person on every question. Go to the last page.*

9. During the past year, have you lost any important relationships due to moving, a job change, divorce or separation, death or some other reason?

_____ 0. No (***If NO, go to NEXT SECTION***)

LOSSES_2YR

_____ 1. Yes (***If YES, GO TO #9A***)

If you have lost an important relationship during the past year:

9A. Please indicate the number of persons from each category who are *no longer available* to you.

_____ Spouse or partner LOSS1_2YR

_____ Family members or relatives LOSS2_2YR

_____ Friends LOSS3_2YR

_____ Work or school associates LOSS4_2YR

_____ Neighbors LOSS5_2YR

_____ Health care providers LOSS6_2YR

_____ Counselor or therapist LOSS7_2YR

_____ Minister/Priest/Rabbi LOSS8_2YR

_____ Other (specify) _____ LOSS9T_2YR _____ LOSS9_2YR

9B. Overall, how much of your support was provided by these people who are no longer available to you?

_____ 0. None LOSSAMT_2YR

_____ 1. A little

_____ 2. A moderate amount

_____ 3. A considerable amount

_____ 4. A lot

DERIVED NORBECK SOCIAL SUPPORT VARIABLES

Contact Luis Falcon (luis_falcon@uml.edu) if you have questions about the Norbeck Social Support variables.

EMO1_2YR = sum (EMO1_1_2YR – EMO1_16_2YR)

EMO2_2YR = sum (EMO2_1_2YR – EMO2_16_2YR)

EMO3_2YR = sum (EMO3_1_2YR – EMO3_16_2YR)

EMO4_2YR = sum (EMO4_1_2YR – EMO4_16_2YR)

EMOSUP_2YR = EMO1_2YR + EMO2_2YR + EMO3_2YR + EMO4_2YR

AID5_2YR = sum (AID5_1_2YR – AID5_16_2YR)

AID6_2YR = sum (AID6_1_2YR – AID6_16_2YR)

AID_2YR = AID5_2YR + AID6_2YR

NOLISTED_2YR: # of people listed in the participant’s network

DURATION_2YR

=sum (DUR1_2YR, DUR2_2YR, DUR3_2YR, DUR4_2YR, DUR5_2YR, DUR6_2YR, DUR7_2YR, DUR8_2YR, DUR9_2YR, DUR10_2YR, DUR11_2YR, DUR12_2YR, DUR13_2YR, DUR14_2YR, DUR15_2YR, DUR16_2YR)

FREQCON_2YR

=sum (FREQ1_2YR, FREQ2_2YR, FREQ3_2YR, FREQ4_2YR, FREQ5_2YR, FREQ6_2YR, FREQ7_2YR, FREQ8_2YR, FREQ9_2YR, FREQ10_2YR, FREQ11_2YR, FREQ12_2YR, FREQ13_2YR, FREQ14_2YR, FREQ15_2YR, FREQ16_2YR)

LOSSNO_2YR: # of losses (If any of LOSS1_2YR - LOSS9_2YR is missing, set to zero)

=sum (LOSS1_2YR, LOSS2_2YR, LOSS3_2YR, LOSS4_2YR, LOSS5_2YR, LOSS6_2YR, LOSS7_2YR, LOSS8_2YR, LOSS9_2YR)

LOSSEVENT_2YR: # of loss events not counting # of losses per event

TLFUNCT_2YR = EMOSUP_2YR + AID_2YR

AVEEMOSUP_2YR:

IF NOLISTED_2YR > 0 THEN AVEEMOSUP_2YR = EMOSUP_2YR / NOLISTED_2YR

AVEAID_2YR:

IF NOLISTED_2YR > 0 THEN AVEAID_2YR = AID_2YR / NOLISTED_2YR

AVEFREQCON_2YR:

IF NOLISTED_2YR > 0 THEN AVEFREQCON_2YR = FREQCON_2YR / NOLISTED_2YR

AVEDURA_2YR: average duration score

IF NOLISTED_2YR > 0 THEN AVEDURA_2YR = DURATION_2YR /NOLISTED_2YR

AVEFUNCT_2YR: average functional support score

IF NOLISTED_2YR > 0 THEN AVEFUNCT_2YR = TLFUNCT_2YR /NOLISTED_2YR

TLNETWRK_2YR

=NOLISTED_2YR +DURATION_2YR +FREQCON_2YR

TLLOSS_2YR

=LOSSES_2YR+LOSSNO_2YR +LOSSAMT_2YR

Only the variables highlighted in blue above are included in the released database. All other Norbeck Social Support questionnaire variables are available upon request. Please contact Luis Falcon (luis_falcon@uml.edu) for further information about these variables and for suggestions on how to include these variables in your analysis.

SOCIAL AND COMMUNITY SUPPORT & ASSISTANCE (SOC)

Instructions: Let's now talk about your family life and social activities within your community.

CO-INFORMANT:	YES	NO	PROXSOC_2YR
1. How many LIVING children do you have including step and adopted children?		___ children <i>(If NONE, enter 0 and GO TO #6)</i>	SOC1_2YR
2. How quickly can (any one of your children/ your son/ your daughter who does not live with you) get here?		A. _____ # of <i>(If all children live with Subject, enter 00 and GO TO #6)</i>	SOC2A_2YR SOC2B_2YR
3. How often do you see (any of your children/ your son/ your daughter who does not live with you)?		A. _____ # of times B. 1. Daily 2. Weekly 3. Monthly 4. Yearly 9. Less than once a year/never	SOC3A_2YR SOC3B_2YR
4. How often do you talk on the telephone with (any of your children/ your son/ your daughter who does not live with you)?		A. _____ # of times B. 1. Daily 2. Weekly 3. Monthly 4. Yearly 9. Less than once a year/never	SOC4A_2YR SOC4B_2YR
5. How often do you get mail from (any of your children/ your son/ your daughter who does not live with you)?		A. _____ # of times B. 1. Daily 2. Weekly 3. Monthly 4. Yearly 9. Less than once a year/never	SOC5A_2YR SOC5B_2YR
6. How many LIVING brothers and sisters do you have, including step and adopted brothers and sisters?		___ siblings	SOC6_2YR
7. Do you make use of special services for older persons, provided by health or governmental agencies, like Meals on Wheels, a home nurse, special transportation, donated foodstuffs, etc.?		1. Yes (GO TO #8) 2. No (GO TO BPC)	SOCx_2YR

<i>During the last 2 years, how many times did you make use of the following services?</i>		
Elder Service	Number of times	Frequency
		(1) Per day (2) Per week (3) Per month (4) Per year (5) Less than once per year (97) Don't remember (98) Don't know

8. Senior Center.	SOC7Ax_2YR	SOC7Bx_2YR
9. Special transportation for older persons (<i>Do not include special subway or bus passes.</i>)	SOC8Ax_2YR	SOC8Bx_2YR
10. Meals delivered to your home by an agency like Meals on Wheels	SOC9Ax_2YR	SOC9Bx_2YR
11. Receive food from a Commodity Food Program (Department of Agriculture's Food Distribution Program)	SOC10Ax_2YR	SOC10Bx_2YR
12. Homemaker service for older persons that provides cleaning and cooking at home	SOC11Ax_2YR	SOC11Bx_2YR
13. Service which makes telephone calls to check on the health of older people	SOC12Ax_2YR	SOC12Bx_2YR
14. A visiting nurse come to your home	SOC13Ax_2YR	SOC13Bx_2YR
15. A health aide come to your home	SOC14Ax_2YR	SOC14Bx_2YR
16. Day care program for older people	SOC15Ax_2YR	SOC15Bx_2YR

DERIVED SOCIAL AND COMMUNITY SUPPORT VARIABLES

SOC_SERVICES_2YR: social services used

Number of different services used from: SOC7A_2YR, SOC8A_2YR, SOC9A_2YR, SOC10A_2YR, SOC11A_2YR, SOC12A_2YR, SOC13A_2YR, SOC14A_2YR, SOC15A_2YR

LIFE EVENTS QUESTIONNAIRE (LEQ)

Instructions: The following list includes events that can change the life of those who experience them. Please tell me which of the following events occurred in your life during the past six months only. If you have not experienced an event, we will skip that number. For each event which you have experienced, please tell me if such an event was Good or Bad, and if the effect had: [READ CATEGORIES].

Event	Type of Effect		Effect of Event on Your Life				
			No effect	Some effect	Moderate effect	Big effect	
A. Health							
1. Major personal illness or injury	Good Bad	<i>LEQ1A_2YR</i>	0	1	2	3	<i>LEQ1B_2YR</i>
2. Major change in eating habits	Good Bad	<i>LEQ2A_2YR</i>	0	1	2	3	<i>LEQ2B_2YR</i>
3. Major change in sleeping habits	Good Bad	<i>LEQ3A_2YR</i>	0	1	2	3	<i>LEQ3B_2YR</i>
4. Major change in usual type and/or amount of recreation	Good Bad	<i>LEQ4A_2YR</i>	0	1	2	3	<i>LEQ4B_2YR</i>
5. Major dental work	Good Bad	<i>LEQ5A_2YR</i>	0	1	2	3	<i>LEQ5B_2YR</i>
6. FEMALE: Started menopause	Good Bad	<i>LEQ6A_2YR</i>	0	1	2	3	<i>LEQ6B_2YR</i>
B. Work							
7. Difficulty finding a job	Good Bad	<i>LEQ7A_2YR</i>	0	1	2	3	<i>LEQ7B_2YR</i>
8. Beginning work outside the home	Good Bad	<i>LEQ8A_2YR</i>	0	1	2	3	<i>LEQ8B_2YR</i>
9. Changing to a new type of work	Good Bad	<i>LEQ9A_2YR</i>	0	1	2	3	<i>LEQ9B_2YR</i>
10. Changing your work hours or conditions	Good Bad	<i>LEQ10A_2YR</i>	0	1	2	3	<i>LEQ10B_2YR</i>
11. Change in your responsibilities at work	Good Bad	<i>LEQ11A_2YR</i>	0	1	2	3	<i>LEQ11B_2YR</i>
12. Troubles at work with your employer or co-workers	Good Bad	<i>LEQ12A_2YR</i>	0	1	2	3	<i>LEQ12B_2YR</i>
13. Major business readjustment	Good Bad	<i>LEQ13A_2YR</i>	0	1	2	3	<i>LEQ13B_2YR</i>
14. Being fired or laid off from work	Good Bad	<i>LEQ14A_2YR</i>	0	1	2	3	<i>LEQ14B_2YR</i>
15. Retirement from work	Good Bad	<i>LEQ15A_2YR</i>	0	1	2	3	<i>LEQ15B_2YR</i>
16. Taking courses by mail or studying at home to help you in your work	Good Bad	<i>LEQ16A_2YR</i>	0	1	2	3	<i>LEQ16B_2YR</i>
C. School							
17. Beginning or ceasing school, college or training program	Good Bad	<i>LEQ17A_2YR</i>	0	1	2	3	<i>LEQ17B_2YR</i>

18. Change of school, college or training program	Good Bad	<i>LEQ18A_2YR</i>	0	1	2	3	<i>LEQ18B_2YR</i>
19. Change in career goal or academic major	Good Bad	<i>LEQ19A_2YR</i>	0	1	2	3	<i>LEQ19B_2YR</i>
20. Problem in school, college, or training program	Good Bad	<i>LEQ20A_2YR</i>	0	1	2	3	<i>LEQ20B_2YR</i>

Event	Type of Effect		Effect of Event on Your Life				
			No effect	Some effect	Moderate effect	Big effect	
D. Residence							
21. Difficulty finding housing	Good Bad	<i>LEQ21A_2YR</i>	0	1	2	3	<i>LEQ21B_2YR</i>
22. Changing residence within the same town or city	Good Bad	<i>LEQ22A_2YR</i>	0	1	2	3	<i>LEQ22B_2YR</i>
23. Moving to a different town, city, state, or country	Good Bad	<i>LEQ23A_2YR</i>	0	1	2	3	<i>LEQ23B_2YR</i>
24. Major change in your life conditions (home improvements or a decline in your home or neighborhood)	Good Bad	<i>LEQ24A_2YR</i>	0	1	2	3	<i>LEQ24B_2YR</i>
E. Love and Marriage							
25. Began a new, close, personal relationship	Good Bad	<i>LEQ25A_2YR</i>	0	1	2	3	<i>LEQ25B_2YR</i>
26. Became engaged	Good Bad	<i>LEQ26A_2YR</i>	0	1	2	3	<i>LEQ26B_2YR</i>
27. Girlfriend or boyfriend problems	Good Bad	<i>LEQ27A_2YR</i>	0	1	2	3	<i>LEQ27B_2YR</i>
28. Breaking up with a girlfriend or boyfriend or breaking an engagement	Good Bad	<i>LEQ28A_2YR</i>	0	1	2	3	<i>LEQ28B_2YR</i>
29. MALE: Wife or girlfriend's pregnancy	Good Bad	<i>LEQ29A_2YR</i>	0	1	2	3	<i>LEQ29B_2YR</i>
30. MALE: Wife or girlfriend's having a miscarriage or abortion	Good Bad	<i>LEQ30A_2YR</i>	0	1	2	3	<i>LEQ30B_2YR</i>
31. Getting married (or beginning to live with someone)	Good Bad	<i>LEQ31A_2YR</i>	0	1	2	3	<i>LEQ31B_2YR</i>
32. A change in closeness with your partner	Good Bad	<i>LEQ32A_2YR</i>	0	1	2	3	<i>LEQ32B_2YR</i>
33. Infidelity	Good Bad	<i>LEQ33A_2YR</i>	0	1	2	3	<i>LEQ33B_2YR</i>
34. Trouble with in-laws	Good Bad	<i>LEQ34A_2YR</i>	0	1	2	3	<i>LEQ34B_2YR</i>
35. Separation from spouse or partner due to conflict	Good Bad	<i>LEQ35A_2YR</i>	0	1	2	3	<i>LEQ35B_2YR</i>

36. Separation from spouse or partner due to work, travel, etc.	Good Bad	<i>LEQ36A_2YR</i>	0	1	2	3	<i>LEQ36B_2YR</i>
37. Reconciliation with spouse or partner	Good Bad	<i>LEQ37A_2YR</i>	0	1	2	3	<i>LEQ37B_2YR</i>
38. Divorce	Good Bad	<i>LEQ38A_2YR</i>	0	1	2	3	<i>LEQ38B_2YR</i>
39. Change in your spouse or partner's work outside the home (beginning to work, ceasing work, changing jobs, retirement, etc).	Good Bad	<i>LEQ39A_2YR</i>	0	1	2	3	<i>LEQ39B_2YR</i>

Event	Type of Effect		Effect of Event on Your Life				
			No effect	Some effect	Moderate effect	Big effect	
F. Family and Close Friends							
40. Gain of a new family member (through birth, adoption, relative moving in, etc.)	Good Bad	<i>LEQ40A_2YR</i>	0	1	2	3	<i>LEQ40B_2YR</i>
41. Child or family member leaving home (due to marriage, to attend college, or for some other reason)	Good Bad	<i>LEQ41A_2YR</i>	0	1	2	3	<i>LEQ41B_2YR</i>
42. Major change in the health or behavior of a family member or close friend (illness, accidents, drug or disciplinary problems, etc.)	Good Bad	<i>LEQ42A_2YR</i>	0	1	2	3	<i>LEQ42B_2YR</i>
43. Death of spouse or partner	Good Bad	<i>LEQ43A_2YR</i>	0	1	2	3	<i>LEQ43B_2YR</i>
44. Death of a child	Good Bad	<i>LEQ44A_2YR</i>	0	1	2	3	<i>LEQ44B_2YR</i>
45. Death of family member or close friend	Good Bad	<i>LEQ45A_2YR</i>	0	1	2	3	<i>LEQ45B_2YR</i>
46. Birth of a grandchild	Good Bad	<i>LEQ46A_2YR</i>	0	1	2	3	<i>LEQ46B_2YR</i>
47. Change in marital status of your parents	Good Bad	<i>LEQ47A_2YR</i>	0	1	2	3	<i>LEQ47B_2YR</i>
G. Parenting							
48. Change in child care arrangements	Good Bad	<i>LEQ48A_2YR</i>	0	1	2	3	<i>LEQ48B_2YR</i>
49. Caring for a grandchild	Good Bad	<i>LEQ49A_2YR</i>	0	1	2	3	<i>LEQ49B_2YR</i>
50. Conflicts with spouse or partner about parenting	Good Bad	<i>LEQ50A_2YR</i>	0	1	2	3	<i>LEQ50B_2YR</i>
51. Conflicts with child's grandparents (or other important person) about parenting	Good Bad	<i>LEQ51A_2YR</i>	0	1	2	3	<i>LEQ51B_2YR</i>

52. Taking on full responsibility for parenting as a single parent	Good Bad	<i>LEQ52A_2YR</i>	0	1	2	3	<i>LEQ52B_2YR</i>
53. Custody battles with former spouse or partner	Good Bad	<i>LEQ53A_2YR</i>	0	1	2	3	<i>LEQ53B_2YR</i>
H. Personal or Social							
54. Major personal achievement	Good Bad	<i>LEQ54A_2YR</i>	0	1	2	3	<i>LEQ54B_2YR</i>
55. Major decision regarding your immediate future	Good Bad	<i>LEQ55A_2YR</i>	0	1	2	3	<i>LEQ55B_2YR</i>
56. Change in your personal habits (your dress, lifestyle, hobbies, etc.)	Good Bad	<i>LEQ56A_2YR</i>	0	1	2	3	<i>LEQ56B_2YR</i>
57. Change in your religious beliefs	Good Bad	<i>LEQ57A_2YR</i>	0	1	2	3	<i>LEQ57B_2YR</i>
58. Change in your political beliefs	Good Bad	<i>LEQ58A_2YR</i>	0	1	2	3	<i>LEQ58B_2YR</i>
59. Loss or damage of personal property	Good Bad	<i>LEQ59A_2YR</i>	0	1	2	3	<i>LEQ59B_2YR</i>
60. Took a vacation	Good Bad	<i>LEQ60A_2YR</i>	0	1	2	3	<i>LEQ60B_2YR</i>
61. Took a trip other than a vacation	Good Bad	<i>LEQ61A_2YR</i>	0	1	2	3	<i>LEQ61B_2YR</i>

Event	Type of Effect		Effect of Event on Your Life				
			No effect	Some effect	Moderate effect	Big effect	
H. Personal or Social (Cont.)							
62. Change in family get-togethers	Good Bad	<i>LEQ62A_2YR</i>	0	1	2	3	<i>LEQ62B_2YR</i>
63. Change in your social activities (clubs, movies, visiting, etc)	Good Bad	<i>LEQ63A_2YR</i>	0	1	2	3	<i>LEQ63B_2YR</i>
64. Made new friends	Good Bad	<i>LEQ64A_2YR</i>	0	1	2	3	<i>LEQ64B_2YR</i>
65. Broke up with a friend	Good Bad	<i>LEQ65A_2YR</i>	0	1	2	3	<i>LEQ65B_2YR</i>
66. Acquired or lost a pet	Good Bad	<i>LEQ66A_2YR</i>	0	1	2	3	<i>LEQ66B_2YR</i>
67. Major change in finances (increased or decreased income)	Good Bad	<i>LEQ67A_2YR</i>	0	1	2	3	<i>LEQ67B_2YR</i>
68. Took on a moderate purchase, such as TV, car, freezer, etc.	Good Bad	<i>LEQ68A_2YR</i>	0	1	2	3	<i>LEQ68B_2YR</i>
69. Took on a major purchase or a mortgage loan, such as a home, business, property, etc.	Good Bad	<i>LEQ69A_2YR</i>	0	1	2	3	<i>LEQ69B_2YR</i>
70. Experienced a foreclosure on a mortgage or loan	Good Bad	<i>LEQ70A_2YR</i>	0	1	2	3	<i>LEQ70B_2YR</i>
71. Credit rating difficulties	Good Bad	<i>LEQ71A_2YR</i>	0	1	2	3	<i>LEQ71B_2YR</i>

I. Crime and Legal Matters							
72. Being robbed or a victim of identity theft	Good Bad	<i>LEQ72A_2YR</i>	0	1	2	3	<i>LEQ72B_2YR</i>
73. Being a victim of a violent act (rape, assault, etc.)	Good Bad	<i>LEQ73A_2YR</i>	0	1	2	3	<i>LEQ73B_2YR</i>
74. Involved in an accident	Good Bad	<i>LEQ74A_2YR</i>	0	1	2	3	<i>LEQ74B_2YR</i>
75. Involved in a law suit	Good Bad	<i>LEQ75A_2YR</i>	0	1	2	3	<i>LEQ75B_2YR</i>
76. Involved in a minor violation of the law (traffic ticket, disturbing the peace, etc.)	Good Bad	<i>LEQ76A_2YR</i>	0	1	2	3	<i>LEQ76B_2YR</i>
77. Legal troubles resulting in your being arrested or held in jail	Good Bad	<i>LEQ77A_2YR</i>	0	1	2	3	<i>LEQ77B_2YR</i>
J. Other							
Other recent experiences that had an impact on your life. List and rate.							
78. <i>___LEQ78T_2YR___</i>	Good Bad	<i>LEQ78A_2YR</i>	0	1	2	3	<i>LEQ78B_2YR</i>
79. <i>___LEQ79T_2YR___</i>	Good Bad	<i>LEQ79A_2YR</i>	0	1	2	3	<i>LEQ79B_2YR</i>
80. <i>___LEQ80T_2YR___</i>	Good Bad	<i>LEQ80A_2YR</i>	0	1	2	3	<i>LEQ80B_2YR</i>

DERIVED LIFE EVENTS VARIABLES

GOODSUM_2YR: total effect on life (each event ranges from 0 to 3)

BADSUM_2YR: total effect on life (each event ranges from 0 to 3)

GOODNUM_2YR: count of all good life events

BADNUM_2YR: count of all bad life events

PHYSICAL FUNCTION

PHYSICAL PERFORMANCE TESTS (PPT)

1. Handgrip Measurements

Instructions: To assess the strength of your hands, please stand up and grip this device, one hand at a time, with as much strength as possible. We will do this three times with each hand. If you have had any recent arm or hand surgery, we will skip this test. **[If subject refuses to do the test, please put 99.9 in the corresponding cells (Questions B thru D). If subject cannot do it, or starts to feel pain or discomfort during the test, please put 0 in the corresponding cells.]**

1A. Setting: <i>Interviewer: set the dynamometer to the size of the hand of the subject and record that size here.</i>	_____ PPT1A_2YR	
Measurements	1. Right Hand (Force in Kg)	2. Left Hand (Force in Kg)
1B. Trial 1	____.____ Kg PPT1B1_2YR	____.____ Kg PPT1B2_2YR
1C. Trial 2	____.____ Kg PPT1C1_2YR	____.____ Kg PPT1C2_2YR
1D. Trial 3	____.____ Kg PPT1D1_2YR	____.____ Kg PPT1D2_2YR

2. Foot Tapping

Instructions: To observe your foot-eye coordination, place your right foot here on the mat between these circles. Tap the ball of your foot on one circle and then the other, back and forth ten times, as fast as you can. First, we'll do the right foot and then the left foot.

	1. Right Foot	2. Left Foot
2A. Number of Taps 96. Tried, Unable 97. Refused 98. Not performed, safety reasons 99. NA	PPT2A1_2YR _____ taps	PPT2A2_2YR _____ taps
2B. Time for taps (30 seconds maximum):	PPT2B1_2YR _____.____sec.	PPT2B2_2YR _____.____sec.

3. Stand Up from Chair 5 Times

Instructions: The purpose of this next exercise is to measure the strength in your legs. Beginning from a sitting position, please stand up and then sit down five times in a row, as fast as you can, without using your arms to help.

3A. Chair Height: From floor to lowest point of chair	____.____ <i>cm.</i> PPT3A_2YR
<p>3B. Chair stands</p> <p>Instructions: You must go from sitting to standing as fast as you can 5 times.</p>	<p>____# completed; no arm use PPT3B_1_2YR</p> <p>97. Refused 98. Tried, But Unable</p> <p>1. Not attempted, safety reasons PPT3B_2_2YR 2. Not attempted, chair bound 3. Not attempted, no suitable chair 4. Not attempted, other: Specify PPT3B_2T_2YR _____ PPT3B_2C_2YR ____ (code) (Code: 97. Refused 98. Tried, But Unable)</p>
3C. Time: <i>If five stands done successfully</i>	____.____ sec. PPT3C_2YR

4. Semi-Tandem Stand

Instructions: To assess your balance, I would like you to try to stand with the side of the heel of one foot touching the big toe of the other foot for about ten seconds. You may use your arms, bend your knees, or move your body to maintain your balance, but try not to move your feet. Use whichever foot is more comfortable for you. **[If subject needs a walking aid to perform this test, code 0 and skip PPT tests 4-6.]**

<p>4A. Total time</p> <p>Instructions: Try to hold this position until I say stop.</p>	<p># OF SECONDS (up to 10): ____ . ____ sec. PPT4A_2YR</p> <p>996. Tried but unable 997. Refused 998. Not performed for safety reasons 999. NA 0. Walking aid needed to perform test (If coded as 0, or 996-999, skip tests 4, 5, 6)</p>
4B. Compensatory Movements	<p>a. Moves arms 0. No 1. Yes 99. NA PPT4B_A_2YR</p> <p>b. Trunk swaying 0. No 1. Yes 99. NA PPT4B_B_2YR</p>

5. Tandem Stand – Eyes Open

Instructions: Again, to assess your balance with your eyes open, I would like you to try to stand with the heel of one foot in front of and touching the toes of your other foot. Use whichever foot is comfortable for you.

<p>5A. Total time</p> <p>Instructions: Try to hold this position until I say stop.</p>	<p># OF SECONDS (up to 10): _____.____sec. PPT5A_2YR</p> <p>996. Tried but unable 997. Refused 998. Not performed for safety reasons 999. NA</p> <p>(If coded as 996-999, go to NEXT SECTION)</p>
<p>5B. Compensatory Movements</p>	<p>a. Moves arms 0. No 1. Yes 99. NA PPT5B_A_2YR b. Trunk swaying 0. No 1. Yes 99. NA PPT5B_B_2YR</p>

6. Tandem Stand – Eyes Closed

Instructions: Now, I would like you to try standing just like you did before (with one foot in front of the other), but with your eyes closed this time. Try to hold this position with your eyes closed until I say stop.

<p>6A. Total time</p> <p>Instructions: Try to hold this position until I say stop.</p>	<p># OF SECONDS (up to 10): _____.____sec. PPT6A_2YR</p> <p>996. Tried but unable 997. Refused 998. Not performed for safety reasons 999. NA</p> <p>(If coded as 996-999, go to NEXT SECTION)</p>
<p>6B. Compensatory Movements</p>	<p>a. Moves arms 0. No 1. Yes 99. NA PPT6B_A_2YR b. Trunk swaying 0. No 1. Yes 99. NA PPT6B_B_2YR</p>

7. Ten-Foot Walk

Instructions: For this next exercise, I am going to observe how you normally walk. Please walk down past the end of the course and then turn around and walk back to the starting point.

<p>7A. Step Continuity</p>	<p>(If NO 10ft. area available, OBSERVE and record 7A-7C, then go to NEXT SECTION)</p> <p style="text-align: right;">PPT7Ax_2YR</p> <p>0. No 1A. Yes: observed during 10 ft. walk 1B. Yes: observed during interview session (no 10 ft. walk area) 996. Tried, Unable OR Holds onto object 997. Refused 998. Not performed for safety reasons</p> <p>(If coded as 996-998, go to NEXT SECTION)</p>
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7B. Turn	a. Continuous with walking/pivots 0. No 1. Yes	PPT7B_A_2YR
	b. Stagger, Unsteady 0. No 1. Yes	PPT7B_B_2YR
7C. Walking aid	1. Yes 0. No 99. NA	PPT7C_2YR

Instructions: Now, I would like you to do the same thing again. Just walk at your usual pace.

7D. Time 1	_____ . _____ sec. 996. Tried, Unable OR Holds onto object 997. Refused (If coded as 996-997, go to NEXT SECTION)	PPT7D_2YR
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Instructions: Now, I would like you to walk down and back as fast as it feels safe and comfortable to you.

7E. Time 2	_____ . _____ sec. 996. Tried, Unable OR Holds onto object 997. Refused (If coded as 996-997, go to NEXT SECTION)	PPT7E_2YR
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INTERVIEWER: Record the setting for the 10 ft walk.

7F. Any difficulty finding 10-12 ft for the walking course?	a) 1. Yes 0. No	PPT7F_A_2YR
	b) If YES, explain: _____	PPT7F_B_2YR PPT7F_BC_2YR (code)
7G. What type of walking surface?	1. Uncarpeted	PPT7G_2YR
	2. Low carpet	PPT7GT_2YR PPT7GC_2YR
	3. Other: _____	(code)

DERIVED PHYSICAL PERFORMANCE TEST VARIABLES

There are multiple levels of “missing” data for the following variables.

All levels are treated as missing data in analyses, but when missing is included as a level, can now distinguish in SAS between the following:

<i>Missing</i>	<i>.</i>
<i>Refused</i>	<i>.R</i>
<i>Tried, Unable</i>	<i>.U</i>
<i>Not Applicable</i>	<i>.N</i>
<i>Don't Know</i>	<i>.D</i>
<i>Not Performed, Safety</i>	<i>.S</i>
<i>Don't Remember</i>	<i>.M</i>

PPT2M_2YR: Time to complete 5 foot taps

HANDGRIP_SC_2YR: Maximum handgrip score

BALANCE_A_2YR: Balance time

BBALANCE_A_2YR: Able to maintain balance for 10 seconds.

1: Yes

0: No

FUNCTIONAL STATUS ACTIVITIES OF DAILY LIVING (ADL)

Instructions: I will now read a list of activities which, for various reasons – either health conditions or disability – some persons may experience difficulty when performing, and ask you to tell me how difficult they are for you to do by yourself, without the use of special equipment. Please answer if you are able to perform the following activities [**READ CATEGORIES**].

CO-INFORMANT:	YES	NO				PROXADL_2YR
Activity:			<i>With no difficulty</i>	<i>With some difficulty</i>	<i>With a lot of difficulty</i>	<i>Impossible to do</i>
1. Walking for a quarter of a mile (2 - 3 blocks)?	0	1	2	3		ADL1_2YR
2. Walking up 10 steps without resting?	0	1	2	3		ADL2_2YR
3. Getting outside?	0	1	2	3		ADL3_2YR
4. Walking from one room to another on the same level?	0	1	2	3		ADL4_2YR
5. Getting out of bed or chairs?	0	1	2	3		ADL5_2YR
6. Eating, like holding a fork, cutting food or drinking from a glass?	0	1	2	3		ADL6_2YR
7. Dressing yourself, including tying shoes, working zippers and doing buttons?	0	1	2	3		ADL7_2YR
8. Bathing or showering?	0	1	2	3		ADL8_2YR
9. Using the toilet, including getting to the toilet?	0	1	2	3		ADL9_2YR
10. Using a manual can opener?	0	1	2	3		ADL10_2YR
11. Opening a frozen food package?	0	1	2	3		ADL11_2YR
12. Opening a milk carton or orange juice carton?	0	1	2	3		ADL12_2YR
If NO DIFFICULTY with ADL 1-12 above, go to #16						
13. Do you usually need help from another person in doing any of the activities that are difficult for you to do or that you are unable to do by yourself?	1. Yes 0. No 99. NA (If NO, skip to #16)					ADL13_2YR
14A. If YES: Is there someone to help you?	A. 1. Yes 0. No 99. NA					ADL14A_2YR
14B. If YES: Is this person living in the household?	B. 1. HH member 2. non-HH member 3. Both HH and non-HH members					ADL14B_2YR
15. Is this help paid for?	1. Yes, paid by S 2. 2A. Yes, paid by other than S 2B. Specify _____ 3. No 99. NA					ADL15_2YR ADL15T_2YR
16. When you are INDOORS , do you usually use anything to help you get around, such as [read options]? — If YES , Which do you use?	0. None 1. Cane 2. Wheelchair 3. Crutches 4. Walker 5. Other: _____					ADL16_2YR ADL16T_2YR

17. If you are OUTDOORS , do you usually use anything to help you get around, such as [read options]? — If YES , Which do you use?	0. None	ADL17_2YR
	1. Cane	
	2. Wheelchair	
	3. Crutches	
	4. Walker	
5. Other: _____	ADL17T_2YR	

INSTRUMENTAL ACTIVITIES OF DAILY LIVING (IADL)

Instructions: Next I will ask about some other activities. This card specifies answers about how difficult certain activities can be for people. I'm going to ask you about certain activities and ask you to tell me how difficult they are for you to do by yourself, without special equipment. The answers I'll ask you to use are **[READ CATEGORIES]**.

CO-INFORMANT: YES _____ NO _____		PROXIADL_2YR			
Activity:	With no difficulty	With some difficulty	With a lot of difficulty	Impossible to do	
1. Doing chores around the house (like vacuuming, sweeping, dusting, or straightening up)?	0	1	2	3	IADL1_2YR
2. Preparing your own meals?	0	1	2	3	IADL2_2YR
3. Managing your money (such as keeping track of your expenses or paying bills)?	0	1	2	3	IADL3_2YR
4. Shopping for personal items (such as toiletry items or medications)?	0	1	2	3	IADL4_2YR
5. Food shopping?	0	1	2	3	IADL5_2YR
6. Using the telephone?	0	1	2	3	IADL6_2YR
If NO DIFFICULTY with IADL 1-6 above, go to NEXT SECTION					
7. Do you usually need help from another person in doing any of these activities that are difficult for you to do or that you are unable to do by yourself?	1. No 2. Yes 99. NA (If NO, skip to NEXT SECTION)				IADL7_2YR
8. If YES: 8A. Is there someone to help you?	A. 1. Yes 0. No 99. NA				IADL8A_2YR
8B. If YES: Is this person living in the household?	B. 1. HH member 2. Non-HH member 3. Both HH and non-HH members				IADL8B_2YR
9. Is this help paid for?	1. No 2. Yes, paid by S 3. Yes, paid by other than S _____ 99. NA				IADL9_2YR IADL9T_2YR

DERIVED FUNCTIONAL STATUS VARIABLES**ADLSUM_2YR**

$$\text{ADL1_2YR} + \text{ADL2_2YR} + \text{ADL3_2YR} + \text{ADL4_2YR} + \text{ADL5_2YR} + \text{ADL6_2YR} + \text{ADL7_2YR} + \text{ADL8_2YR} + \text{ADL9_2YR} + \text{ADL10_2YR} + \text{ADL11_2YR} + \text{ADL12_2YR}$$
ADLCAT_2YR: categories of ADLSUM_2YR

- 1: ADLSUM_2YR =0 (no impairment)
- 2: $1 \leq \text{ADLSUM_2YR} \leq 5$ (some impairment)
- 3: ADLSUM_2YR ≥ 6 (considerable impairment)

ADL_SC_2YR: ADL binary scale (Tucker 2000)

- 1: IF ADLSUM_2YR ≥ 1
- 0: IF ADLSUM_2YR =0

IADLSUM_2YR

$$\text{IADL1_2YR} + \text{IADL2_2YR} + \text{IADL3_2YR} + \text{IADL4_2YR} + \text{IADL5_2YR} + \text{IADL6_2YR}$$
IADLCAT_2YR: categories of IADLSUM_2YR

- 1: IADLSUM_2YR =0 (no impairment)
- 2: $1 \leq \text{IADLSUM_2YR} \leq 6$ (some impairment)
- 3: IADLSUM_2YR ≥ 7 (considerable impairment)

IADL_SC_2YR: IADL binary scale (Tucker 2000)

- 1: IF IADLSUM_2YR ≥ 1
- 0: IF IADLSUM_2YR = 0

Using the variables below with the algorithm applied increases the number of participants with non-missing data.

ADLSUM_A_2YR (algorithm applied):

ADL1_2YR-ADL5_2YR: if ≤ 2 are missing, the mean of the non-missing ADL1_2YR-ADL5_2YR is used in place of the missing data

ADL6_2YR-ADL9_2YR: if ≤ 2 are missing, the mean of the non-missing ADL6_2YR-ADL9_2YR is used in place of the missing data

ADL10_2YR-ADL12_2YR: if ≤ 1 are missing, the mean of the non-missing ADL10_2YR-ADL12_2YR is used in place of the missing data

$$\text{ADL1_A_2YR} + \text{ADL2_A_2YR} + \text{ADL3_A_2YR} + \text{ADL4_A_2YR} + \text{ADL5_A_2YR} + \text{ADL6_A_2YR} + \text{ADL7_A_2YR} + \text{ADL8_A_2YR} + \text{ADL_A_2YR} + \text{ADL10_A_2YR} + \text{ADL11_A_2YR} + \text{ADL12_A_2YR}$$
ADLCAT_A_2YR: categories of ADLSUM_A_2YR

- 1: ADLSUM_A_2YR =0 (no impairment)
- 2: $1 \leq \text{ADLSUM_A_2YR} \leq 5$ (some impairment)
- 3: ADLSUM_A_2YR ≥ 6 (considerable impairment)

IADLSUM_A_2YR (algorithm applied):

IADL1_2YR-IADL6_2YR: if <=3 are missing, the mean of the non-missing IADL1_2YR-IADL6_2YR are used in place of the missing data

$IADL1_A_2YR + IADL2_A_2YR + IADL3_A_2YR + IADL4_A_2YR + IADL5_A_2YR + IADL6_A_2YR$

IADLCAT_A_2YR: categories of IADLSUM_A

1: IADLSUM_A_2YR =0 (no impairment)

2: $1 \leq IADLSUM_A_2YR \leq 6$ (some impairment)

3: IADLSUM_A_2YR >=7 (considerable impairment)

ADL Mobility: (Tucker 2000)

$ADLMOBSUM_2YR = ADL1_2YR + ADL2_2YR + ADL3_2YR + ADL4_2YR + ADL5_2YR$

ADLMOB_2YR:

1: IF ADLMOBSUM_2YR >= 1

0: IF ADLMOBSUM_2YR = 0

ADL self-care: (Tucker 2000)

$ADLCARESUM_2YR = ADL6_2YR + ADL7_2YR + ADL8_2YR + ADL9_2YR$

ADLCARE_2YR:

1: IF ADLCARESUM_2YR >= 1

0: IF ADLCARESUM_2YR = 0

ADL manual dexterity: (Tucker 2000)

$ADLMANSUM_2YR = ADL10_2YR + ADL11_2YR + ADL12_2YR$

ADLMAN_2YR:

1: IF ADLMANSUM_2YR >= 1

0: IF ADLMANSUM_2YR = 0

COGNITION

NEUROPSYCHOLOGICAL EXAMINATION SCORING SHEET

See Appendix for Neuropsychological Exams

Instructions: Score subject's neuropsychological examination after completion of interview.

1. Mini-mental State Examination (MMSE)

a. Orientation

Question 1	MMSE1_2YR (3)
Question 2	MMSE2_2YR (1)
Question 3	MMSE3_2YR (1)
Question 4	MMSE4_2YR (3)
Question 5	MMSE5_2YR (1)
Question 6	MMSE6_2YR (1)

b. Registration

Question 7	MMSE7_2YR (3)
Question 8	MMSE8_2YR (5)

c. Recall

Question 9	MMSE9_2YR (3)
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d. Language Tests

Question 10	MMSE10_2YR (1)
Question 11	MMSE11_2YR (1)
Question 12	MMSE12_2YR (1)
Question 13	MMSE13_2YR (1)
Question 14	MMSE14_2YR (3)
Question 15	MMSE15_2YR (1)
Question 16	MMSE16_2YR (1)

2. Word List Learning

a. List A

1 st Attempt	LIS1_2YR (16)
2 nd Attempt	LIS2_2YR (16)
3 rd Attempt	LIS3_2YR (16)
4 th Attempt	LIS4_2YR (16)
5 th Attempt	LIS5_2YR (16)

b. List B

LISB_2YR (16)

c. Short-term Recall

LISCPLIB_2YR (16)

d. Short-term Recall facilitated

LISCPPIST_2YR (16)

e. Long-term Recall

LISLPLIB_2YR (16)

f. Long-term facilitated	LISLPIST_2YR (16)
g. Recognition	WLLG_2YR (16)
3. Stroop	
c. Stroop 1	STRPAL_2YR
d. Stroop 2	STRCOL_2YR
e. Stroop 3	STRCP_2YR
4. Letter Fluency	
f. 1 st Letter	LF1_2YR
g. 2 nd Letter	LF2_2YR
h. 3 rd Letter	LF3_2YR
5. Digit Span	
a. Digits Forward	
i. Highest # digits attained	DFI_2YR (9)
ii. Total Score Forward	ATVERIDE_2YR
b. Digits Backward	
i. Highest # digits attained	DBI_2YR (9)
ii. Total Score Backward	ATVERINV_2YR
6. Clock Drawing	
a. Score	CLOCK_2YR (3)
7. Figure Copying	
a. Figure 1	FC1_2YR (1)
b. Figure 2	FC2_2YR (1)
c. Figure 3	FC3_2YR (1)
d. Figure 4	FC4_2YR (1)
e. Figure 5	FC5_2YR (1)
f. Figure 6	FC6_2YR (1)
g. Figure 7	FC7_2YR (1)
h. Figure 8	FC8_2YR (1)
i. Figure 9	FC9_2YR (1)
j. Total	FC_SUM_2YR (9)

DERIVED COGNITION VARIABLES

Contact Tammy Scott tammy.scott@tufts.edu if you have questions about cognitive variables.

MMSEORIENT_2YR

$$= \text{MMSE1_2YR} + \text{MMSE2_2YR} + \text{MMSE3_2YR} + \text{MMSE4_2YR} + \text{MMSE5_2YR} + \text{MMSE6_2YR}$$

MMSELANG_2YR

$$= \text{MMSE10_2YR} + \text{MMSE11_2YR} + \text{MMSE12_2YR} + \text{MMSE13_2YR} + \text{MMSE14_2YR} + \text{MMSE15_2YR}$$

MMSE_SUM_2YR

$$= \text{MMSE1_2YR} + \text{MMSE2_2YR} + \text{MMSE3_2YR} + \text{MMSE4_2YR} + \text{MMSE5_2YR} + \text{MMSE6_2YR} + \text{MMSE7_2YR} + \text{MMSE8_2YR} + \text{MMSE9_2YR} + \text{MMSE10_2YR} + \text{MMSE11_2YR} + \text{MMSE12_2YR} + \text{MMSE13_2YR} + \text{MMSE14_2YR} + \text{MMSE15_2YR} + \text{MMSE16_2YR}$$

MMSE8ATT_2YR: Attempted MMSE8_2YR

0=No

1=Yes

LISAPR_2YR

$$= \text{LIS1_2YR} + \text{LIS2_2YR} + \text{LIS3_2YR} + \text{LIS4_2YR} + \text{LIS5_2YR}$$

LISDIS_2YR

$$= (1 - ((44 - \text{WLLG_2YR}) / 44)) * 100$$

PCRETREC_2YR

$$= (\text{LISLPLIB_2YR} / \text{LIS5_2YR}) * 100$$

PCINTERF_2YR

IF ($\text{STRCOL_2YR} + \text{STRCP_2YR}$) > 0 then:

$$\text{PCINTERF_2YR} = ((\text{STRCOL_2YR} - \text{STRCP_2YR}) / (\text{STRCOL_2YR} + \text{STRCP_2YR})) * 100$$

PMRTOT_2YR

$$= \text{LF1_2YR} + \text{LF2_2YR} + \text{LF3_2YR}$$

FC_SUM_2YR

$$= \text{FC1_2YR} + \text{FC2_2YR} + \text{FC3_2YR} + \text{FC4_2YR} + \text{FC5_2YR} + \text{FC6_2YR} + \text{FC7_2YR} + \text{FC8_2YR} + \text{FC9_2YR}$$

FC_WEI_SUM_2YR

$$= 1 * \text{FC1_2YR} + 2 * \text{FC2_2YR} + 3 * \text{FC3_2YR} + 3 * \text{FC4_2YR} + 3 * \text{FC5_2YR} + 3 * \text{FC6_2YR} + 4 * \text{FC7_2YR} + 4 * \text{FC8_2YR} + 4 * \text{FC9_2YR}$$

ILLITERATE_2YR

0=No

1=Yes

COGLANG_2YR: Language of the cognitive interview

1=English

2=Spanish

COGNITION SCALED SCORES

Contact Tammy Scott tammy.scott@tufts.edu if you have questions about the following variables.

MMSENORM_2YR

S_PMRTOT_2YR

T_PMRTOT_2YR

S_LISAPR_2YR

T_LISAPR_2YR

S_LISCPLIB_2YR

T_LISCPLIB_2YR

S_LISCPPIST_2YR

T_LISCPPIST_2YR

S_LISLPLIB_2YR

T_LISLPLIB_2YR

S_LISLPPIST_2YR

T_LISLPPIST_2YR

S_LISDIS_2YR

T_LISDIS_2YR

S_ATVERIDE_2YR

T_ATVERIDE_2YR

S_ATVERINV_2YR

T_ATVERINV_2YR

S_STRCP_2YR

T_STRCP_2YR

HEALTH BEHAVIORS

TOBACCO USE (TOB)

Instructions: Now, I would like to ask you about the use of tobacco.

CO-INFORMANT: YES _____ NO _____	PROXTOB 2YR
1. Do you currently smoke?	0. No <i>(If NO, GO TO NEXT SECTION)</i> 1. Yes TOB3x_2YR
2. How many cigarettes, cigars, or pipes do you smoke regularly during one day? (<i>pack=20 cigarettes</i>)	1. Cigarettes _____ TOB4_1_2YR 2. Cigars _____ TOB4_2_2YR 3. Pipes _____ TOB4_3_2YR

DERIVED TOBACCO USE VARIABLES

SMOKER_2YR: smoking status (cumulative, based on smoking status at baseline interview)

- 0: never (less than 100 cigarettes in entire life)
- 1: smoked in the past, but not currently
- 2: currently smoke

ALCOHOL USE (ALC)

Instructions: The following questions refer to alcohol consumption, including wine, spirits, liquors like whiskey, gin, rum or vodka, cocktails, and mixed alcoholic beverages.

CO-INFORMANT:	YES _____ NO _____	PROXALC_2YR
1. Presently, do you drink alcohol?		0. No (<i>If NO, GO TO NEXT SECTION</i>) 1. Yes ALC3_2YR
2. On average, how often do you drink <u>any</u> type of alcohol?		ALC4A_2YR A. _____ # days per: ALC4B_2YR B. 1. Week 2. Month 3. Year
3. What do you usually drink? (CIRCLE ALL THAT APPLY)		1. Beer ALC5_1_2YR 2. Rum ALC5_2_2YR 3. Wine ALC5_3_2YR 4. Gin ALC5_4_2YR 5. Whiskey ALC5_5_2YR 6. Other ALC5_6_2YR ____ ALC5_6T_2YR ____ ALC5_6C_2YR (code)
4. On average, on the days that you drink alcohol, how many drinks do you have a day? By a drink, I mean a 12 oz beer, 4 oz glass of wine, or an ounce of liquor.		_____ Drinks ALC6_2YR

DERIVED ALCOHOL USE VARIABLES

ALC_F_2YR: alcohol intake in grams from food frequency questionnaire (includes alcohol in desserts and pastries)

ALCOHOL_FREQ_2YR: average amount of alcohol consumed

- 0: none within past year
- 1: moderate
- 2: heavy

ALCOHOL_FREQ_2YR is calculated separately from the main questionnaire and the food frequency questionnaire, and the LARGEST of the two is used. It is calculated as follows:

Main questionnaire: No time frame given; calculated based on questions 4 and 6.

Sex	# drinks per day	ALCOHOL_FREQ_2YR
Female	None since last visit	0
Female	1	1
Female	>1	2
Male	None since last visit	0
Male	1-2	1
Male	>2	2

Food frequency questionnaire: Time frame is during the past year; calculated based on estimated grams of daily alcohol intake (ALC_F_2YR). Since ALC_F_2YR includes alcohol found in vanilla and desserts, the participant had to report drinking at least one alcoholic beverage to be considered for the moderate or heavy drinking categories. Participants who did not report drinking at least one alcoholic beverage were set to 0, regardless of the value of ALC_F_2YR.

<i>Sex</i>	<i>Daily alcohol intake (g)</i>	<i>ALCOHOL_FREQ_2YR</i>
Female	None reported	0
Female	0<ALC_F_2YR<=13.2	1
Female	>13.2	2
Male	None reported	0
Male	0<ALC_F_2YR<=26.4	1
Male	>26.4	2

ALCOHOL_USE_2YR: how often alcohol is consumed

0: never

1: in the past but not within past year

2: within past 30 days

3: within past year

Calculated based on both the main questionnaire and the FFQ as follows:

<i>Main questionnaire response</i>	<i>FFQ response (within past year)</i>	<i>ALCOHOL_USE_2YR</i>
“Never” at baseline and “not since last visit” at 2 year	No alcoholic beverage reported at baseline or 2 year	0
Drank at anytime in past, except since the last visit	No alcoholic beverage reported at 2year	1
Current drinker, “weekly” selected for question 4	N/A	2
Current drinker, “monthly” selected for question 4	N/A	2
Current drinker, “yearly” selected for question 4	N/A	3
Not since last visit	Alcoholic beverage reported at 2 year	3
Missing response to “drank since last visit”	Alcoholic beverage reported at 2 year	3

PHYSICAL ACTIVITY (ACT)

Instructions: Now, I would like to ask you about the different activities you do every day. I will read out loud a list of daily activities, and I would like for you to tell me how many hours, approximately, you spend every day on each given activity. Let's think about this past week as an example.

CO-INFORMANT: YES _____ NO _____		PROXACT_2YR
Last week, on a USUAL WEEKDAY (we will do the same for a WEEKEND DAY afterwards), how much time did you spend...:	Hours per day for a usual WEEKDAY: A	Hours per day for a usual WEEKEND day: B
1. SLEEPING AND LYING DOWN (even if not sleeping: night-time sleep, naps and reclining) ASK EACH SEPARATELY, THEN SUM.	ACT1A_2YR	ACT1B_2YR
2. VIGOROUS ACTIVITY: (brisk walking, digging in the garden, strenuous sports, jogging, sustained swimming, chopping wood, heavy carpentry, bicycling on hills, etc.)	ACT2A_2YR	ACT2B_2YR
3. MODERATE ACTIVITY: (heavy housework, light sports, regular walking, dancing, yard work, painting, repairing, light carpentry, bicycling on level ground, etc.)	ACT3A_2YR	ACT3B_2YR
4. LIGHT ACTIVITY: (office work, light housework, driving a car, strolling, personal care, standing with little motion etc.)	ACT4A_2YR	ACT4B_2YR
5. SITTING ACTIVITY: (eating, reading, watching TV, listening to the radio etc.)	ACT5A_2YR	ACT5B_2YR
REPEAT QUESTIONS ABOVE FOR COLUMN B ANSWERS		
6. TOTAL: (NOTE: Total for each day should add up to 24 hours).	ACT6A_2YR	ACT6B_2YR
7. Would you say that during the past week you were less active than usual, more active, or about as active as usual?	1. Less active than usual 2. More active than usual 3. As active as usual	ACT7_2YR
8. How many <u>flights</u> of stairs do you climb up each day?	_____ flights	ACT8_2YR
9. How many city blocks or their equivalent do you walk each day?	_____ blocks	ACT9_2YR
	Or _____ minutes	ACT9B_2YR
10. How much time do you spend watching TV each day?	_____ hours	ACT10_2YR

DERIVED PHYSICAL ACTIVITY VARIABLES

MILES_2YR: number is miles walked, assuming one mile = 12 blocks or 30 minutes

if ACT9_2YR ne . then MILES_2YR=ACT9_2YR*0.0833;
 else if ACT9_2YR = . then MILES_2YR=ACT9B_2YR* 0.0333;

if ACT9_2YR = 0 and ACT9B_2YR ne . then MILES_2YR=ACT9B_2YR* 0.0333;
 if ACT9_2YR = 0 and ACT9B_2YR = . then MILES_2YR=ACT9_2YR;

EXPEND_2YR: energy expenditure calculated using physical activity

$(0.9 * WT_KG_2YR * ACT_SLEP_2YR) + (1.2 * WT_KG_2YR * ACT_SIT_2YR) + (1.8 * WT_KG_2YR * ACT_LT_2YR) + (2.8 * WT_KG_2YR * ACT_MOD_2YR) + (4.5 * WT_KG_2YR * ACT_VIG_2YR)$

PA_SCORE_2YR: physical activity score

$ACT_SLEP_2YR = \text{round} (((ACT1A_2YR*5) + (ACT1B_2YR*2)) /7, .01);$
 $ACT_VIG_2YR = \text{round} (((ACT2A_2YR *5) + (ACT2B_2YR *2)) /7, .01);$
 $ACT_MOD_2YR = \text{round} (((ACT3A_2YR *5) + (ACT3B_2YR *2)) /7, .01);$
 $ACT_LT_2YR = \text{round} (((ACT4A_2YR *5) + (ACT4B_2YR *2)) /7, .01);$
 $ACT_SIT_2YR = \text{round} (((ACT5A_2YR *5) + (ACT5B_2YR *2)) /7, .01);$
 $ACTAVSUM_2YR = \text{round} (\text{sum} (\text{of } ACT_SLEP_2YR \text{ } ACT_VIG_2YR \text{ } ACT_MOD_2YR \text{ } ACT_LT_2YR \text{ } ACT_SIT_2YR), 1);$

$PA_SCORE_2YR = (ACT_SLEP_2YR *1.0) + (ACT_SIT_2YR *1.1) + (ACT_LT_2YR *1.5) + (ACT_MOD_2YR *2.4) + (ACT_VIG_2YR *5.0);$

PAZZ_2YR:

- 1: $0 < PA_SCORE_2YR < 30$
- 2: $30 \leq PA_SCORE_2YR < 40$
- 3: $40 \leq PA_SCORE_2YR < 50$
- 4: $PA_SCORE_2YR \geq 50$

TEE_2YR: Total Energy Expenditure

Calculations below from: *Food and Nutrition Board, Institute of Medicine, 2005*

Men 19 years and older and BMI between 18.5-25 kg/m²

$TEE_2YR = 662 - (9.53 * AGE_2YR) + (PA_A_2YR * ((15.91 * WT_KG_2YR) + (539.6 * HT_M_2YR)))$

IF PAZZ_2YR = 1 then weight PA_A_2YR 1.00
 IF PAZZ_2YR = 2 then weight PA_A_2YR 1.11
 IF PAZZ_2YR = 3 then weight PA_A_2YR 1.25
 IF PAZZ_2YR = 4 then weight PA_A_2YR 1.48

Women 19 years and older and BMI between 18.5-25 kg/m²

$$\text{TEE_2YR} = 354 - (6.91 * \text{AGE_2YR}) + (\text{PA_A_2YR} * ((9.36 * \text{WT_KG_2YR}) + (726 * \text{HT_M_2YR})))$$

IF PAZZ_2YR = 1 then weight PA_A_2YR 1.00

IF PAZZ_2YR = 2 then weight PA_A_2YR 1.12

IF PAZZ_2YR = 3 then weight PA_A_2YR 1.27

IF PAZZ_2YR = 4 then weight PA_A_2YR 1.45

Overweight and obese men aged 19 years and older with BMI $\geq 25 \text{ kg/m}^2$

$$\text{TEE_2YR} = 1086 - (10.1 * \text{AGE_2YR}) + (\text{PA_A_2YR} * ((13.7 * \text{WT_KG_2YR}) + (416 * \text{HT_M_2YR})))$$

IF PAZZ_2YR = 1 then weight PA_A_2YR 1.00

IF PAZZ_2YR = 2 then weight PA_A_2YR 1.12

IF PAZZ_2YR = 3 then weight PA_A_2YR 1.29

IF PAZZ_2YR = 4 then weight PA_A_2YR 1.59

Overweight and obese women aged 19 years and older with BMI $\geq 25 \text{ kg/m}^2$

$$\text{TEE_2YR} = 448 - (7.95 * \text{AGE_2YR}) + (\text{PA_A_2YR} * ((11.4 * \text{WT_KG_2YR}) + (619 * \text{HT_M_2YR})))$$

IF PAZZ_2YR=1 then weight PA_A_2YR 1.00

IF PAZZ_2YR=2 then weight PA_A_2YR 1.16

IF PAZZ_2YR=3 then weight PA_A_2YR 1.27

IF PAZZ_2YR=4 then weight PA_A_2YR 1.44

Normal and Overweight/Obese Men aged 19 years and older with BMI $\geq 18.5 \text{ kg/m}^2$

$$\text{TEE_2YR} = 864 - (9.72 * \text{AGE_2YR}) + (\text{PA_A_2YR} * ((14.2 * \text{WT_KG_2YR}) + (503 * \text{HT_M_2YR})))$$

IF PAZZ_2YR = 1 then weight PA_A_2YR 1.00

IF PAZZ_2YR = 2 then weight PA_A_2YR 1.12

IF PAZZ_2YR = 3 then weight PA_A_2YR 1.27

IF PAZZ_2YR = 4 then weight PA_A_2YR 1.54

Normal and Overweight/Obese Women aged 19 years and older with BMI $\geq 18.5 \text{ kg/m}^2$

$$\text{TEE_2YR} = 387 - (7.31 * \text{AGE_2YR}) + (\text{PA_A_2YR} * ((10.9 * \text{WT_KG_2YR}) + (660.7 * \text{HT_M_2YR})))$$

IF PAZZ_2YR = 1 then weight PA_A_2YR 1.00

IF PAZZ_2YR = 2 then weight PA_A_2YR 1.14

IF PAZZ_2YR = 3 then weight PA_A_2YR 1.27

IF PAZZ_2YR = 4 then weight PA_A_2YR 1.4

HEALTH AND HEALTH CARE (HHC)

Instructions: To continue, I will ask you a series of questions regarding your health status and health care.

CO-INFORMANT: YES NO	PROXHHC_2YR		
1. Would you say your health in general is excellent, very good, good, fair, or poor?	1. Excellent 2. Very good 3. Good 4. Fair 5. Poor HHC1_2YR		
2. Where do you most often go for health care?	1. Primary care doctor 2. Neighborhood clinic 3. Emergency room 4. Other Specify_ HHC2_4T_2YR	0. No 0. No 0. No 0. No	1. Yes HHC2_1_2YR 1. Yes HHC2_2_2YR 1. Yes HHC2_3_2YR 1. Yes HHC2_4_2YR
3. How long has it been since your most recent visit for health advice or care?	1. Less than 1 month 2. 1 month, less than 6 months 3. 6 months, less than 1 year 4. 1 year, less than 5 years 5. 5 or more years 98. Don't know (dk) HHC3_2YR		
4. In general, how satisfied were you with the care you received at your last visit? Would you say you were very satisfied, satisfied, somewhat satisfied, or not at all satisfied?	1. Very satisfied 2. Satisfied 3. Somewhat satisfied 4. Not at all satisfied HHC4_2YR		
5. Sometimes people have problems in getting medical care. Have you had any problems getting medical care?	1. Yes 0. No (If NO, go to NEXT SECTION) HHC5_2YR		
5A. If YES: Why? DO NOT READ ANSWERS. USE THEM TO CODIFY SUBJECTS' RESPONSE. CIRCLE UP TO 3 CHOICES THAT APPLY.	HHC6_1_2YR, HHC6_2_2YR, HHC6_3_2YR (for up to 3 choices) 0. None 1. Care was unavailable when needed 2. Monetary cost 3. Did not know where to go 4. Did not have a way to get there 5. Clinic hours were not convenient 6. Waitlist was too long 7. S would lose pay from work 8. Waiting time in the clinic was too long 9. Office/clinic staff was disrespectful 10. S had no confidence in the staff 11. Personnel did not speak Spanish 12. There were no Hispanic staff members at the office/clinic 13. Other reason: _____ HHC6T_2YR		

HEALTH INSURANCE (INS)

Instructions: In this following section, I will ask you a series of questions regarding your health insurance.

CO-INFORMANT: YES _____ NO _____	PROXINS_2YR	
1. In your last interview, you mentioned that your health insurance plan was _____ Do you still have the same health insurance plan?	0. No	1. Yes (If YES go to #3) INS1x_2YR
2. What type of health insurance do you have now? (CIRCLE ALL THAT APPLY)	1. Medicare 2. MASS Health 3. Boston Health Net 4. NHP 5. Fallon 6. Tufts 7. HPHC 8. HMO Blue 9. Travelers 10. Other _____ INS2_10T_2YR 11. Other _____ INS2_11T_2YR 12. None	0. No 1. Yes INS2_1_2YR 0. No 1. Yes INS2_2_2YR 0. No 1. Yes INS2_3_2YR 0. No 1. Yes INS2_4_2YR 0. No 1. Yes INS2_5_2YR 0. No 1. Yes INS2_6_2YR 0. No 1. Yes INS2_7_2YR 0. No 1. Yes INS2_8_2YR 0. No 1. Yes INS2_9_2YR 0. No 1. Yes INS2_10_2YR 0. No 1. Yes INS2_11_2YR 0. No 1. Yes INS2_12x_2YR
3. Is the cost of healthcare a barrier to your seeking treatment?	0. No	1. Yes INS10_2YR
4. Does the cost of healthcare ever delay or prevent you from adhering to treatment recommendations?	0. No	1. Yes INS11_2YR
5. During the past 2 years, was there a period when you were without health insurance for a period of six months or more?	0. No	1. Yes INS12x_2YR

MEDICAL DIAGNOSES**BLOOD PRESSURE*****BLOOD PRESSURE #1 (BPA)***

	1. SYSTOLIC	2. DIASTOLIC	3. PULSE	4. TIME
A. MEAS. 1	SYS1A_2YR	DIAS1A_2YR	PULSE1A_2YR	BP1AT_2YR (time) BP1AT2_2YR (a.m./p.m.)
B. MEAS. 2	SYS1B_2YR	DIAS1B_2YR	PULSE1B_2YR	BP1BT_2YR (time) BP1BT2_2YR (a.m./p.m.)

BLOOD PRESSURE #2 (BPB)

	1. SYSTOLIC	2. DIASTOLIC	3. PULSE	4. TIME
A. MEAS. 1	SYS2A_2YR	DIAS2A_2YR	PULSE2A_2YR	BP2AT_2YR (time) BP2AT2_2YR (a.m./p.m.)
B. MEAS. 2	SYS2B_2YR	DIAS2B_2YR	PULSE2B_2YR	BP2BT_2YR (time) BP2BT2_2YR (a.m./p.m.)

BLOOD PRESSURE #3 (BPC)

	1. SYSTOLIC	2. DIASTOLIC	3. PULSE	4. TIME
A. MEAS. 1	SYS3A_2YR	DIAS3A_2YR	PULSE3A_2YR	BP3AT_2YR (time) BP3AT2_2YR (a.m./p.m.)
B. MEAS. 2	SYS3B_2YR	DIAS3B_2YR	PULSE3B_2YR	BP3BT_2YR (time) BP3BT2_2YR (a.m./p.m.)

DERIVED BLOOD PRESSURE VARIABLES

SYSBP_2YR: average systolic blood pressure

Average of SYS2A_2YR, SYS2B_2YR, SYS3A_2YR and SYS3B_2YR

SYSBP_IMPUTE_2YR: imputed average systolic blood pressure

1: SYSBP_2YR created using less than 4 systolic blood pressure measurements

SYSBPZZ_2YR clinical variable - systolic hypertension (Chobanian et al. 2003)

0: SYSBP_2YR <140 or DIASBP_2YR >= 90

1: SYSBP_2YR >= 140 and DIASBP_2YR < 90

DIASBP_2YR: average diastolic blood pressure

Average of DIAS2A_2YR, DIAS2B_2YR, DIAS3A_2YR and DIAS3B_2YR

DIASBP_IMPUTE_2YR: imputed average diastolic blood pressure

1 = DIASBP_2YR created using less than 4 diastolic blood pressure measurements

HIGHBP_2YR: categories of blood pressure

1 = SYSBP_2YR >=140 or DIASBP_2YR >=90

0 = SYSBP_2YR <140 and DIASBP_2YR <90

HTN_2YR: categories of hypertension (NIH 1997)

0: 0<=SYSBP_2YR <140 and 0<=DIASBP_2YR <90 and HTNMED_2YR =0 (not taking hypertension meds)

1: SYSBP_2YR >=140 or DIASBP_2YR >=90 or HTNMED_2YR =1 (taking hypertension meds)

HTNMED_2YR: Taking hypertension medications (See Medication Section)

1: Yes

0: No

ALLOHIGHBP_2YR: alternative categories of blood pressure

0 = SYSBP_2YR <148 and DIASBP_2YR <83

1 = SYSBP_2YR >=148 or DIASBP_2YR >=83

ANTHROPOMETRY (ANT)

Instructions: Now I will take measurements of your Weight, Height, and Waist and Hip Circumferences.

1. Have you lost or gained weight in the last 6 months?	1. Yes 0. No 98. Don't Know (dk) (If NO, GO TO #5)	ANT1_2YR
2. If YES: How many pounds have you lost or gained?	a) _____ lbs. (Enter 998 if) b) 1. Lost 2. Gained	ANT2A_2YR ANT2B_2YR
3. Was the weight loss/gain intentional?	1. Yes 0. No 98. Don't know (dk) (If YES, GO TO #5)	ANT3_2YR
4. If NO: Why do you think you lost or gained weight?	_____	ANT4_2YR
5. Weight: 997 - not performed for safety reasons 998 - subject refused measurement 999 - unable to obtain measurement	a) _____ . _____ Lbs. b) _____ . _____ Lbs. ANT5B_2YR	ANT5A_2YR
6. Standing Height: 997 - not performed for safety reasons 998 - subject refused measurement 999 - unable to obtain measurement	a) _____ . _____ cm. b) _____ . _____ cm. ANT6B_2YR	ANT6A_2YR
7. Posture: 997 - not performed for safety reasons 998 - subject refused measurement 999 - unable to obtain measurement	1. Straight 2. Slightly stooped - (between straight and 45° angle) 3. Very stooped - (45° angle)	ANT7_2YR
8. Knee height: 997 - not performed for safety reasons 998 - subject refused measurement 999 - unable to obtain measurement	a) _____ . _____ cm. b) _____ . _____ cm.	ANT8A_2YR ANT8B_2YR
9. Waist: Measurement at point of bellybutton 997 - not performed for safety reasons 998 - subject refused measurement 999 - unable to obtain measurement	a) _____ . _____ cm. b) _____ . _____ cm.	ANT9A_2YR ANT9B_2YR
10. Hip: Measurement at highest point 997 - not performed for safety reasons 998 - subject refused measurement 999 - unable to obtain measurement	a) _____ . _____ cm. b) _____ . _____ cm.	ANT10A_2YR ANT10B_2YR

DERIVED ANTHROPOMETRY VARIABLES

KNEE_HT_2YR: average knee height (cm)
 $(ANT8A_2YR + ANT8B_2YR)/2$

HT_M_2YR: average of height measurements (m)
Height is calculated using the following formula for all subjects except those with lower body amputations.
 $(ANT6A_2YR/100 + ANTB_2YR/100)/2$

Note: For subjects with lower body amputations, height is calculated using the following algorithm.

If $OBS7A_2YR = 2$ (i.e. if the subject has lower body amputations), then

$HT_M_2YR = (68.68 + 1.90 * KNEE_HT_2YR - 0.123 * AGE_2YR) / 100$ for Females.

$HT_M_2YR = (76.02 + 1.79 * KNEE_HT_2YR - 0.070 * AGE_2YR) / 100$ for Males.

WT_KG_2YR: average of weight measurements (kg)
 $(ANT5A_2YR / 2.2 + ANT5B_2YR / 2.2) / 2$

WAIST_2YR: average of waist measurements (cm)
 $(ANT9A_2YR + ANT9B_2YR) / 2$

HIP_2YR: average of hip circumference measurements (cm)
 $(ANT10A_2YR + ANT10B_2YR) / 2$

BMI_2YR: body mass index

$BMI_2YR = WT_KG_2YR / (HT_M_2YR * HT_M_2YR)$

Where WT_KG_2YR is the average of weight measurements (kg)

and HT_M_2YR is the average of height measurements (m)

Note: For subjects with lower body amputations, height is calculated using the formula above.

BMI_IMPUTE_2YR: imputed body mass index

1: subject has lower body amputation, and height and BMI were calculated using the algorithm above

BMIZZ_2YR (NIH 2000)

0: $0 \leq BMI_2YR < 25$

1: $25 \leq BMI_2YR < 30$

2: $30 \leq BMI_2YR$

BMIZZ2_2YR

0: $0 \leq BMI_2YR < 18.5$

1: $18.5 \leq BMI_2YR < 25$

2: $25 \leq BMI_2YR < 30$

3: $30 \leq BMI_2YR < 35$

4: $35 \leq BMI_2YR < 40$

5: $40 \leq BMI_2YR$

WAISTHIP_2YR: ratio of waist (in cm) to hip measurements (in cm)

$WAIST_2YR / HIP_2YR$

WAISTZZ_2YR (NIH 2000)

0: For males if $WAIST_2YR \leq 102$; For females if $WAIST_2YR \leq 88$

1: For males if $WAIST_2YR > 102$; For females if $WAIST_2YR > 88$

WAISTHIPZZ_2YR (Bjorntorp 1987, WHO 2000, Gibson 2005)

0: For males if $0 \leq WAISTHIP_2YR \leq 1$; For females if $0 \leq WAISTHIP_2YR \leq 0.85$

1: For males if $WAISTHIP_2YR > 1$; For females if $WAISTHIP_2YR > 0.85$

MEDICAL DIAGNOSES (MED)

Instructions: Next, I will ask you a series of questions regarding a variety of medical diagnoses that you might have received since your last interview. INTERVIEWER: Please refer to report of past responses and probe whether each diagnoses has occurs within the last two years.

CO-INFORMANT: YES _____ NO _____					
Has a DOCTOR ever told you that you had any of the following illnesses or conditions	NO	YES*	Taking Medication for this?	Is this Condition Bothering you Currently?	Within the last 2 years?
1. Diabetes?	0	MED1X_2YR 1	MED1B_2YR 0. No 1. Yes	MED1C_2YR 0. No 1. Yes	MED1D_2YR 0. No 1. Yes
2. High blood pressure/Hypertension?	0	MED2X_2YR 1	MED2B_2YR 0. No 1. Yes	MED2C_2YR 0. No 1. Yes	MED2D_2YR 0. No 1. Yes
3. Overweight/obesity?	0	MED3_2YR 1	MED3B_2YR 0. No 1. Yes	MED3C_2YR 0. No 1. Yes	MED3D_2YR 0. No 1. Yes
4. Arthritis?	0	MED4X_2YR 1	MED4B_2YR 0. No 1. Yes	MED4C_2YR 0. No 1. Yes	MED4D_2YR 0. No 1. Yes
5. Osteoporosis (hip fracture)?	0	MED5X_2YR 1	MED5B_2YR 0. No 1. Yes	MED5C_2YR 0. No 1. Yes	MED5D_2YR 0. No 1. Yes
6. Heart Attack?	0	MED6X_2YR 1	MED6B_2YR 0. No 1. Yes	MED6C_2YR 0. No 1. Yes	MED6D_2YR 0. No 1. Yes
7. Heart Disease (other than heart attack)?	0	MED7X_2YR 1	MED7B_2YR 0. No 1. Yes	MED7C_2YR 0. No 1. Yes	MED7D_2YR 0. No 1. Yes
8. Stroke?	0	MED8X_2YR 1	MED8B_2YR 0. No 1. Yes	MED8C_2YR 0. No 1. Yes	MED8D_2YR 0. No 1. Yes
9. Respiratory disease (such as emphysema, chronic bronchitis, asthma)?	0	MED9X_2YR 1	MED9B_2YR 0. No 1. Yes	MED9C_2YR 0. No 1. Yes	MED9D_2YR 0. No 1. Yes
10. Liver or gallbladder disease?	0	MED10X_2YR 1	MED10B_2YR 0. No 1. Yes	MED10C_2YR 0. No 1. Yes	MED10D_2YR 0. No 1. Yes
11. Kidney disease?	0	MED11X_2YR 1	MED11B_2YR 0. No 1. Yes	MED11C_2YR 0. No 1. Yes	MED11D_2YR 0. No 1. Yes
12. Stomach/ Intestinal Disorder, Stomach Ulcer (bowel elimination problems)?	0	MED12X_2YR 1	MED12B_2YR 0. No 1. Yes	MED12C_2YR 0. No 1. Yes	MED12D_2YR 0. No 1. Yes
13. Parkinson's Disease?	0	MED13X_2YR 1	MED13B_2YR 0. No 1. Yes	MED13C_2YR 0. No 1. Yes	MED13D_2YR 0. No 1. Yes
14. Skin Cancer?	0	MED14X_2YR 1	MED14B_2YR 0. No 1. Yes	MED14C_2YR 0. No 1. Yes	MED14D_2YR 0. No 1. Yes
15. Other type of Cancer?__ MED15T_2YR	0	MED15X_2YR 1	MED15B_2YR 0. No 1. Yes	MED15C_2YR 0. No 1. Yes	MED15D_2YR 0. No 1. Yes
16. Eye Disease: Cataract or Glaucoma?	0	MED16_2YR 1	MED16B_2YR 0. No 1. Yes	MED16C_2YR 0. No 1. Yes	MED16D_2YR 0. No 1. Yes
17. Anxiety?	0	MED17_2YR 1	MED17B_2YR 0. No 1. Yes	MED17C_2YR 0. No 1. Yes	MED17D_2YR 0. No 1. Yes
18. Depression?	0	MED18_2YR 1	MED18B_2YR 0. No 1. Yes	MED18C_2YR 0. No 1. Yes	MED18D_2YR 0. No 1. Yes
19. Seizures, Convulsions?	0	MED19_2YR 1	MED19B_2YR 0. No 1. Yes	MED19C_2YR 0. No 1. Yes	MED19D_2YR 0. No 1. Yes
20. Tuberculosis?	0	MED20X_2YR 1	MED20B_2YR 0. No 1. Yes	MED20C_2YR 0. No 1, Yes	MED20D_2YR 0. No 1, Yes
21. Hepatitis (Type A, B, or C)?	0	MED21X_2YR 1	MED21B_2YR 0. No 1. Yes	MED21C_2YR 0. No 1. Yes	MED21D_2YR 0. No 1. Yes
22. AIDS/HIV positive?	0	MED22X_2YR 1	MED22B_2YR 0. No 1. Yes	MED22C_2YR 0. No 1. Yes	MED22D_2YR 0. No 1. Yes
23. Other _____ MED23T_2YR	0	MED23_2YR 1	MED23B_2YR 0. No 1. Yes	MED23C_2YR 0. No 1. Yes	MED23D_2YR 0. No 1. Yes
24. Other _____ MED24T_2YR	0	MED24_2YR 1	MED24B_2YR 0. No 1. Yes	MED24C_2YR 0. No 1. Yes	MED24D_2YR 0. No 1. Yes

* For variables in this column that include an “X” in the name, if a subject answered YES to questions 1-23 at baseline, we set it equal to YES in 2 year, regardless of 2 year response. (Original 2 year variables are MED1_2YR – MED24_2YR.)

MENOPAUSE
(FEMALES ONLY)

1. After your last interview, did you go through or are you currently going through menopause?	<p style="text-align: right;">MENO1_2YR</p> <p>1. Yes 0. No <i>(If NO, go to NEXT SECTION)</i></p>
2. Have you had a hysterectomy? 2A. If YES to #2, in what age or year?	<p>1. Yes 0. No HYSTERECTOMY_2YR</p> <p>Age _____ HYSTERECTOMYAGE_2YR</p> <p>or Year _____ HYSTERECTOMYYEAR_2YR</p> <p><i>(Go to NEXT SECTION)</i></p>
3. How old were you when you had your last menstrual period?	<p style="text-align: center;">MENO2AGE_2YR MENO2YR_2YR</p> <p>Age _____ or Year _____</p>

DERIVED CLINICAL MEASUREMENTS AND CONDITIONS VARIABLES

MENOPAUSE_2YR:

- 1: reported having gone through menopause (cumulative baseline and 2 year)
- 0: reported not having gone through menopause (cumulative baseline and 2 year)

MENO_AGE_2YR: age of menopause onset (cumulative baseline and 2 year)

HYST_2YR: indicates if hysterectomy performed on females (cumulative baseline and 2 year)

- 1: yes
- 0: no

HYST_AGE_2YR: age of hysterectomy (cumulative baseline and 2 year)

DIABETES_2YR (Tucker, Bermudez, Castaneda, 2000)

- 0: GLUC_2YR < 126 and MANTIDB_2YR = 0
- 1: GLUC_2YR >= 126 or MANTIDB_2YR = 1

ANEMIAZZ_2YR (WHO 1968)

- 0: Male: HGB_ADJ_2YR >= 13
 Female: HGB_ADJ_2YR >= 12
- 1: Male: HGB_ADJ_2YR < 13
 Female: HGB_ADJ_2YR < 12

ANEMIA2ZZ_2YR (CDC 1998)

- 0: Male: HCT_ADJ_2YR >= 39.9
 Female: HCT_ADJ_2YR >= 35.7
- 1: Male: HCT_ADJ_2YR < 39.9
 Female: HCT_ADJ_2YR < 35.7

ANEMIA3ZZ_2YR

- 0: ANEMIAZZ_2YR =0 AND ANEMIA2ZZ_2YR =0
- 1: ANEMIAZZ_2YR =1 OR ANEMIA2ZZ_2YR =1

HEARTDX_2YR: Self-report of heart disease, heart attack or stroke

- 0: If MED6X_2YR =0 AND MED7X_2YR =0 AND MED8X_2YR =0
- 1: If MED6X_2YR =1 OR MED7X_2YR =1 OR MED8X_2YR =1

MEDCOND_AX_2YR: Medical Conditions Score

The formula for MEDCOND_AX_2YR is based on the mean imputation technique. This technique is used to estimate the missing values by replacing the missing values with the arithmetic average of the non-missing/observed values.

$$=MEDCOND_X_2YR + (14-MEDCOND_N_2YR)*MEDCOND_MEAN_2YR$$

Where MEDCOND_X_2YR is the sum of medical conditions reported (at either baseline or 2 year) including cumulative DIABETES, cumulative HTN, MED4X_2YR, MED6X_2YR, MED7X_2YR, MED8X_2YR, MED9X_2YR, MED10X_2YR, MED11X_2YR, MED13X_2YR, MED15X_2YR, MED20X_2YR, MED21X_2YR & MED22X_2YR.

MEDCOND_N_2YR is the number of medical conditions (for which the response [if Present or Absent] has been received)

MEDCOND_MEAN_2YR is the arithmetic average of the medical conditions.

Note: If three or less Medical Conditions are missing then the above-mentioned formula for MEDCOND_AX_2YR is used, whereas if more than 3 Medical Conditions are missing then MEDCOND_AX_2YR = missing.

MEDCOND_I_2YR: indicator variable

- 1: Subject asked full list from above (total out of 14)
- 0: Subject not asked MED20_2YR, MED21_2YR, MED22_2YR (total out of 11)

DERIVED METABOLIC SYNDROME VARIABLES

MSWAIST_2YR

- 0: For males if $0 \leq \text{WAIST_2YR} \leq 102$
For females if $0 \leq \text{WAIST_2YR} \leq 88$
 - 1: For males if $\text{WAIST_2YR} > 102$
For females if $\text{WAIST_2YR} > 88$
- Where WAIST_2YR is the average of the Waist Measurement (in cm)

MSTRIG_2YR

- 0: $0 \leq \text{TRIG_2YR} < 150$ and $\text{MANTILIP_2YR}=0$
- 1: $\text{TRIG_2YR} \geq 150$ or $\text{MANTILIP_2YR}=1$

MSHDL_2YR

- 0: For males if $\text{HDL_2YR} \geq 40$ and $\text{MANTILIP_2YR}=0$

For females if HDL_2YR >= 50 and MANTILIP_2YR=0
1: For males if 0 <= HDL_2YR < 40 or MANTILIP_2YR=1
For females if 0 <= HDL_2YR < 50 or MANTILIP_2YR=1

MSBP_2YR

0: 0 <=SYSBP_2YR <130 and 0 <=DIASBP_2YR <85 and HTNMED_2YR =0
1: SYSBP_2YR >= 130 or DIASBP_2YR >= 85 or HTNMED_2YR =1

MSGLUC_2YR

0: 0 <= GLUC_2YR < 100 and MANTIDB_2YR=0
1: GLUC_2YR >= 100 or MANTIDB_2YR=1

MET1_2YR

MSWAIST_2YR + MSTRIG_2YR + MSHDL_2YR + MSBP_2YR + MSGLUC_2YR

IF MET1_2YR = . then MET2_2YR =SUM(MSWAIST_2YR, MSTRIG_2YR, MSHDL_2YR, MSBP_2YR, MSGLUC_2YR); IF MET2_2YR >= 3 then MET3_2YR = MET2_2YR; ELSE MET3_2YR = MET1_2YR;

METABOLICNCEPM_2YR (Expert Panel on Detection 2002, Grundy et al 2005)

0: 0 <= MET3_2YR < 3
1: MET3_2YR >= 3

MSWAIST2_2YR

0: For males if 0 <= WAIST_2YR < 90
For females if 0 <= WAIST_2YR < 80
1: For males if WAIST_2YR >= 90
For females if WAIST_2YR >= 80

MET4_2YR

MSTRIG_2YR + MSHDL_2YR + MSBP_2YR + MSGLUC_2YR

IF MET4_2YR = . then MET5_2YR = SUM(MSTRIG_2YR, MSHDL_2YR, MSBP_2YR, MSGLUC_2YR); IF MET5_2YR >= 2 then MET6_2YR = MET5_2YR; ELSE MET6_2YR = MET4_2YR;

METABOLICIDF_2YR (Alberti et al. 2006)

0: 0 <=MET6_2YR < 2 or MSWAIST2_2YR = 0
1: MET6_2YR >= 2 and MSWAIST2_2YR = 1

FRAMINGHAM RISK SCORES

*****Note: These variables include participants with reported pre-existing heart disease. Please clearly indicate this in any use (unless participants with pre-existing heart disease are excluded).**

Derived using: Wilson PW, D'Agostino RB, Levy D, Belanger AM, Silbershatz H, Kannel WB. Circulation. "Prediction of coronary heart disease using risk factor categories." 1998 May 12;97(18):1837-47.

PROB10CHD_2YR: Estimated probability of 10 year coronary heart disease risk using total cholesterol categories (Table 6 and appendix equations from the Wilson 1998 paper). This is a truly continuous estimate.

CVDC_10_2YR: Estimated probability of 10 year coronary heart disease risk using total cholesterol categories (Figures 3 and 4 from the Wilson 1998 paper). This is divided into categories for scoring purposes.

ALLOSTATIC LOAD

ALLOLOADCLINICALMED_2YR:

Score ranging from 0-10, where 0 is best and 10 is worst.

The ALLOLOADCLINICALMED_2YR score is the sum of the following variables:

BPALLO_2YR + MSWAIST_2YR + LIPIDALLO_2YR + Q4GLYHGBMED2_2YR +
Q4CORT_SEX_2YR + Q4NOREPI_SEX_2YR + Q4EPI_SEX_2YR + Q1DHEASMED2_2YR

Components of ALLOLOADCLINICALMED_2YR:

BPALLO_2YR: Blood pressure and anti-HTN med use

- 2:** (if SYSBP_2YR >140 and DIASBP_2YR >90 and anti-hypertension medications) OR
(if SYSBP_2YR >140 and DIASBP_2YR >90 and no anti-hypertension medications)
- 1:** (if SYSBP_2YR > 140 and 0 < DIASBP_2YR <=90 and no anti-hypertension medications) OR
(if 0 < SYSBP_2YR <=140 and DIASBP_2YR > 90 and no anti-hypertension medications) OR
(if SYSBP_2YR >140 and 0 < DIASBP_2YR <=90 and anti-hypertension medications) OR
(if 0 < SYSBP_2YR <=140 and DIASBP_2YR > 90 and anti-hypertension medications)
- 0:** if 0 < SYSBP_2YR <=140 and 0 < DIASBP_2YR <=90 and no an anti-hypertension medications

Sub-components of BPALLO_2YR:

SYSBP_2YR: average systolic blood pressure

Average of SYS2A_2YR, SYS2B_2YR, SYS3A_2YR and SYS3B_2YR

DIASBP_2YR: average diastolic blood pressure

Average of DIAS2A, DIAS2B, DIAS3A and DIAS3B

HTNMED_2YR: taking anti-hypertension medications

0= No, 1=Yes

MSWAIST_2YR: Waist circumference (cm)

- 1:** For males if WAIST_2YR > 102 cm
For females if WAIST_2YR > 88 cm
- 0:** For males if 0 <= WAIST_2YR <= 102 cm
For females if 0 <= WAIST_2YR <= 88 cm

Sub-components of waist circumference (MSWAIST_2YR):

WAIST_2YR: average of waist measurements (cm), i.e. ANT9A_2YR and ANT9B_2YR

LIPIDALLO_2YR: Lipids and statin use

- 2: (if HDL_2YR < 40 and CHOL_2YR >= 240 and taking antilipemic agents) OR
(if HDL_2YR < 40 and CHOL_2YR >= 240 and no antilipemic agents) OR
(if HDL_2YR < 40 and 0 < CHOL_2YR <= 240 and taking antilipemic agents)
- 1: (if HDL_2YR < 40 and 0 < CHOL_2YR < 240 and no antilipemic agents) OR
(if HDL_2YR >= 40 and CHOL_2YR >= 240 and no antilipemic agents) OR
(if HDL_2YR >= 40 and CHOL_2YR >= 240 and taking antilipemic agents) OR
(if HDL_2YR >= 40 and 0 < CHOL_2YR < 240 and taking antilipemic agents)
- 0: (if HDL_2YR >= 40 and 0 < CHOL_2YR < 240 and no antilipemic agents)

Sub-components of LIPIDALLO_2YR:

HDL_2YR: high density lipoprotein (HDL) (mg / dL)

CHOL_2YR: cholesterol (mg / dL)

MANTILIP_2YR: taking antilipemic agents

0=No, 1=yes

Q4GLYHGBMED2_2YR: Glycosolated hemoglobin (GLYHGB) and anti-diabetic med use

- 1: if GLYHGB >7 and/or anti-diabetic medications are taken
- 0: if GLYHGB <=7 and no anti-diabetic medications are taken

Q4CORT_SEX_2YR: Urine cortisol, adjusted for urine volume and creatinine excretion

- 1: For males if CORT_2YR >= 41.5
For females if CORT_2YR >= 49.5
- 0: For males if 0 <= CORT_2YR <41.5
For females if 0 <= CORT_2YR <49.5

Sub-components Q4CORT_SEX_2YR:

*CORT_2YR: urinary cortisol: $CORTMG_2YR * URINEVOL_2YR / CREATEXC_2YR$*

Where CORTMG_2YR: Cortisol (mg)

URINEVOL_2YR: urine volume (mL/bout)

CREATEXC_2YR: creatinine excretion (gm/bout)

Q4EPI_SEX_2YR: Urine epinephrine, adjusted for urine volume and creatinine excretion

- 1: For males if EPI_2YR >= 2.8
For females EPI_2YR >= 3.6

0: For males if $0 \leq \text{EPI_2YR} < 2.8$
For females if $0 \leq \text{EPI_2YR} < 3.6$

Sub-component of Q4EPI_SEX_2YR:

EPI_2YR: urinary epinephrine: $\text{EPIMG_2YR} * \text{URINEVOL_2YR} / \text{CREATEXC_2YR}$

Where **EPIMG_2YR:** Epinephrine (ng/mL/1000)

URINEVOL_2YR: Urine Volume (mL/bout)

CREATEXC_2YR: Creatinine excretion (gm/bout)

Q4NOREPI_SEX_2YR: Urine norepinephrine, adjusted for urine volume and creatinine excretion

1: For males if $\text{NOREPI_2YR} \geq 30.5$
For females if $\text{NOREPI_2YR} \geq 46.9$
0: For males if $0 \leq \text{NOREPI_2YR} < 30.5$
For females if $0 \leq \text{NOREPI_2YR} < 46.9$

Sub-component of Q4NOREPI_SEX_2YR:

NOREPI_2YR: urinary norepinephrine: $\text{NOREPIMG_2YR} * \text{URINEVOL_2YR} / \text{CREATEXC_2YR}$

Where **NOREPIMG_2YR:** Norepinephrine (ng/mL/1000)

URINEVOL_2YR: Urine Volume (mL/bout)

CREATEXC_2YR: Creatinine excretion (gm/bout)

Q1DHEASMED2_2YR: DHEAS or testosterone use

1: For males if $0 \leq \text{DHEAS2_2YR} \leq 589.5$ ng/mL or $\text{MTESTOS_2YR}=1$
For females, $0 \leq \text{DHEAS2_2YR} \leq 368.5$ or $\text{MTESTOS_2YR}=1$
0: For males if $\text{DHEAS2_2YR} \geq 589.5$ and $\text{MTESTOS_2YR}=0$
For females if $\text{DHEAS2_2YR} \geq 368.5$ and $\text{MTESTOS_2YR}=0$

Subcomponents of Q1DHEASMED2_2YR:

DHEAS2_2YR: Dheas (ng/mL)

MTESTOS_2YR: Taking androgens

0= No; 1=Yes

ALLOLOADCRPCLINICALMED_2YR:

Score ranging from 0-11, where 0 is best and 11 is worst. This score is calculated the same way as ALLOLOADCLINICALMED_2YR, with an additional point added if CRP_2YR > 3.

It is the sum of ALLOLOADCLINICALMED_2YR + Q4CRP2_2YR.

Components of ALLOLOADCRPCLINICALMED_2YR:

ALLOLOADCLINICALMED_2YR:

The subcomponents for ALLOLOADCLINICALMED_2YR have been defined above.

Q4CRP2_2YR:

This is an indicator variable that categorizes subjects based on the C-reactive threshold.

1: if CRP_2YR >3

0: if $0 \leq \text{CRP_2YR} \leq 3$

Where CRP_2YR is C-reactive protein (ng/mL)

LAB VARIABLES

BLOOD

Note: SI unit conversions from JAMA 2000, unless otherwise noted.

HEMANALYZ_2YR: hematology analyzed on new machine **NEED TO ADJUST BLOOD VARS**
0: old machine
1: new machine
Variables affected: **HGB_2YR, HCT_2YR, MCV_2YR, RDW_2YR, WBC_2YR, PLATCOUNT_2YR**

INSULIN_2YR: serum insulin (uIU/mL)

INSULIN_SI_2YR: INSULIN_2YR *6.945 (pmol/L)

CARO_2YR: serum carotene (ug/dl)

CARO_SI_2YR: CARO_2YR *0.0186 (μ mol/L)

DHEAS_2YR: serum DHEA-S04 (ug/dl)

DHEAS_SI_2YR: DHEAS_2YR*0.026 (umol/L)

GLYHGB_2YR: glycosolated hemoglobin (%)

GLYHGB_SI_2YR: proportion of total hemoglobin (GLYHGB_2YR *0.01)

MMA_2YR: serum methylmalonic acid (pmol/mL)

VITB6_2YR: plasma vitamin B6 (nm/L)

VITB12_2YR: serum vitamin B12 (pg/mL)

VITB12_SI_2YR: VITB12_2YR *0.738 (pmol/L)

VITC_2YR: plasma vitamin C (HPLC, mg/dL)

VITC_SI_2YR: VITC_2YR *56.78 (μ mol/L)

FOLATE_2YR: serum folate (ng/mL)

FOLATE_SI_2YR: FOLATE_2YR *2.2666 (nmol/L)

ALB_2YR: serum albumin (g/dL)

ALB_SI_2YR: ALB_2YR *10 (g/L)

CRP_2YR: serum high sensitivity c-reactive protein (mg/L)

BUN_2YR: serum blood urea nitrogen (mg/dL)

CREAT_2YR: serum creatinine (mg/dL)

CREAT_SI_2YR: CREAT_2YR *76.26 ($\mu\text{mol/L}$)

GLUC_2YR: serum glucose (mg/dL)

GLUC_SI_2YR: GLUC_2YR *0.0555 (mmol/L)

CHOL_2YR: plasma cholesterol (mg/dL)

CHOL_SI_2YR: CHOL_2YR *0.0259 (mmol/L)

TRIG_2YR: plasma triglyceride (mg/dL)

TRIG_SI_2YR: TRIG_2YR *0.0113 (mmol/L)

HDL_2YR: plasma high density lipoprotein [HDL cholesterol] (mg/dL)

HDL_SI_2YR: HDL_2YR *0.0259 (mmol/L)

LDL_2YR: plasma low density lipoprotein [LDL cholesterol] (mg/dL)

LDL_SI_2YR: LDL_2YR *0.0259 (mmol/L)

VLDL_2YR: plasma very low density lipoprotein (mg/dL)

HCY_2YR: plasma homocysteine ($\mu\text{mol/L}$)

HCY_SI_2YR: HCY_2YR /7.397 ($\mu\text{mol/L}$)

CBC Differential:

WBC_ADJ_2YR: WBC values calibrated to new machine via regression (1000/uL)
if HEMANALYZ_2YR =0 then $\text{WBC_ADJ_2YR} = -0.32383 + 0.97330 * \text{WBC_2YR}$;
else if HEMANALYZ_2YR =1 then $\text{WBC_ADJ_2YR} = \text{WBC_2YR}$;

WBC_2YR: white blood cell count (1000/uL) **DO NOT USE—USE WBC_ADJ_2YR**

NEUTRO_2YR: neutrophils (segs) %

BANDS_2YR: premature neutrophils %

LYMPHS_2YR: lymphocytes %

MONO_2YR: monocytes %

EO_2YR: eosinophils %

BASO_2YR: basophils %

Red blood cell morphology:

RBC_2YR red blood cell volume (mil/uL)

RBC_SI_2YR: RBC_2YR ($\times 10^{12}/L$)

ANISO_2YR: anisocytosis (normal)

POLYCHROM_2YR: polychromia (normal)

HYPOCHROM_2YR: hypochromia (normal)

HCT_ADJ_2YR: hematocrit values calibrated to new machine via regression

Per Dan Weiner (nephrologist): it is preferable to use HGB_ADJ_2YR over HCT_ADJ_2YR as hemoglobin is historically more stable

if HEMANALYZ_2YR =0 then $HCT_ADJ_2YR = -3.63435 + 1.17788 * HCT_2YR$;
else if HEMANALYZ_2YR =1 then $HCT_ADJ_2YR = HCT_2YR$;

HCT_2YR: hematocrit (%) **DO NOT USE—USE HCT_ADJ_2YR**

HGB_ADJ_2YR: hemoglobin values calibrated to new machine via regression

if HEMANALYZ_2YR =0 then $HGB_ADJ_2YR = -0.34174 + 1.08911 * HGB_2YR$;
else if HEMANALYZ_2YR =1 then $HGB_ADJ_2YR = HGB_2YR$;

HGB_2YR: hemoglobin (g/dL) **DO NOT USE—USE HGB_ADJ_2YR**

MCV_ADJ_2YR: MCV values calibrated to new machine via regression

if HEMANALYZ_2YR =0 then $MCV_ADJ_2YR = -4.89165 + 1.09230 * MCV_2YR$;
else if HEMANALYZ_2YR =1 then $MCV_ADJ_2YR = MCV_2YR$;

MCV_2YR: mean corpuscular volume (μm^3) **DO NOT USE—USE MCV_ADJ_2YR**

POIKILO_2YR: poikilocytes (normal)

PLATEST_2YR: estimated platelet number (normal)

PLATCOUNT_ADJ_2YR: platelet count values calibrated to new machine via regression

if HEMANALYZ_2YR =0 then $PLATCOUNT_ADJ_2YR = -1.40686 + 0.89373 * PLATCOUNT_2YR$;
else if HEMANALYZ_2YR =1 then $PLATCOUNT_ADJ_2YR = PLATCOUNT_2YR$;

PLATCOUNT_2YR: (thou/uL) **DO NOT USE—USE PLATCOUNT_ADJ_2YR**

MCH_2YR: mean corpuscular hemoglobin (pg)

MCHC_2YR: mean corpuscular hemoglobin concentration (g/dL)

RDW_2YR: red cell distribution width **DO NOT USE—CALIBRATION CANNOT BE CALCULATED**

NELID_B_2YR: HNRC ID for blood specimen

BLOOD_DT_2YR: date of collection of blood specimen

URINE – 12 HOUR COLLECTION

CREATCONC_2YR: urine creatinine concentration (mg/dl)

CREATCONC_C_2YR: comments for CREATCONC_2YR

CREATEXC_2YR: creatinine excretion (gm/bout)

CREATEXC_C_2YR: comments for CREATEXC_2YR

URINEVOL_2YR: urine volume (ml)

URINEVOL_C_2YR: comments for URINEVOL_2YR

CORTMG_2YR: urinary cortisol (mg) **DO NOT USE- SEE DERIVED VARIABLE BELOW**

EPIMG_2YR: urine epinephrine (ng/mL/1000) **DO NOT USE- SEE DERIVED VARIABLE BELOW**
Note: samples treated with HCL

NOREPIMG_2YR: urine norepinephrine (ng/mL/1000) **DO NOT USE- SEE DERIVED VARIABLE BELOW**
Note: samples treated with HCL

NELID_U_2YR: HNRC ID for urine specimen

SALIVA

SALCORT_AM_2YR: salivary cortisol from morning draw (ug/dL)

SALCORT_PM_2YR: salivary cortisol from evening draw (ug/dL)

SALIVAAM_2YR: time saliva collected in the morning

SALIVAPM_2YR: time saliva collected in the evening

NELID_S_2YR: HNRC ID for saliva specimen

DERIVED LAB VARIABLES

CORT_2YR

$(\text{CORTMG_2YR} * \text{URINEVOL_2YR} / \text{CREATEXC_2YR}) / 2.3$

NOREPI_2YR (ug/g)

$\text{NOREPIMG_2YR} * \text{URINEVOL_2YR} / \text{CREATEXC_2YR}$

Note: samples treated with HCL

NOREPIZZ_2YR

1: NOREPI_2YR >=48

0: 0<=NOREPI_2YR <48

EPI_2YR (ug/g)

$\text{EPIMG_2YR} * \text{URINEVOL_2YR} / \text{CREATEXC_2YR}$

Note: samples treated with HCL

EPIZZ_2YR

1: EPI_2YR >=5

0: 0<=EPI_2YR <5

DHEAS2_2YR

DHEAS_2YR *10; **converting it to ng/mL;

VITB6ZZ_2YR (Haller et al 1991, Driskell 1994, Leklem 1999)

0: VITB6_2YR >= 30

1: 20 <= VITB6_2YR < 30

2: VITB6_2YR < 20

VITB6ZZ2_2YR

0: VITB6_2YR >= 30

1: VITB6_2YR <30

VITB12ZZ_2YR (Tucker et al 2000)

0: VITB12_2YR >= 350 or (200 <= VITB12_2YR < 350 and 0 <= MMA_2YR <= 370)

1: VITB12_2YR < 200 or (200 <= VITB12_2YR < 350 and MMA_2YR > 370)

FOLATEZZ_2YR (Selhub and Rosenberg 1996)

0: FOLATE_2YR > 5

1: FOLATE_2YR <= 5

GLYHGBZZ_2YR (ADA 2008)

0: GLYHGB_2YR < 7

1: GLYHGB_2YR >= 7

GLYHGBZZ_2YR (ADA 2008)

- 0: GLYHGB_2YR < 6
- 1: GLYHGB_2YR >= 6

HGBZZ_2YR (WHO 1994)

- 0: Male: HGB_ADJ_2YR >= 13
Female: HGB_ADJ_2YR >= 12
- 1: Male: HGB_ADJ_2YR < 13
Female: HGB_ADJ_2YR < 12

HCTZZ_2YR (WHO 1994)

- 0: Male: HCT_ADJ_2YR >= 40
Female: HCT_ADJ_2YR >= 37
- 1: Male: HCT_ADJ_2YR < 40
Female: HCT_ADJ_2YR < 37

HDLZZ_2YR (Expert Panel on Detection 2002)

- 0: 0 <= HDL_2YR < 40
- 1: 40 <= HDL_2YR <= 59
- 2: HDL_2YR >= 60

HCYZZ_2YR (NHANES 95th percentiles)

- 0: Male: HCY_2YR < 11.4
Female: HCY_2YR < 10.4
- 1: Male: HCY_2YR >= 11.4
Female: HCY_2YR >= 10.4

INSULINZZ_2YR (Stern et al. 2005)

- 0: INSULIN_2YR < 20.7
- 1: INSULIN_2YR >= 20.7

LDLZZ_2YR (Expert Panel on Detection 2002)

- 0: 0 <= LDL_2YR < 100
- 1: 100 <= LDL_2YR <= 129
- 2: 130 <= LDL_2YR <= 159
- 3: 160 <= LDL_2YR <= 189
- 4: LDL_2YR >= 190

CHOL_HDL_2YR

=CHOL_2YR /HDL_2YR;

CHOLCAT_2YR

- 1 = CHOL_2YR < 200
- 2 = 200 <= CHOL_2YR <= 239
- 3 = CHOL_2YR >= 240

TRIGZZ_2YR (Expert Panel on Detection 2002)

- 0: $0 \leq \text{TRIG_2YR} < 150$
- 1: $150 \leq \text{TRIG_2YR} \leq 199$
- 2: $\text{TRIG_2YR} \geq 200$

ALBZZ_2YR (Visser et al. 2005)

- 1: $\text{ALB_2YR} < 3.8$
- 0: Male: $3.8 \leq \text{ALB_2YR} \leq 5.4$
- Female: $3.8 \leq \text{ALB_2YR} \leq 5.3$

GLUCZZ_2YR (ADA 2006)

- 0: $\text{GLUC_2YR} < 100$
- 1: $100 \leq \text{GLUC_2YR} \leq 125$
- 2: $\text{GLUC_2YR} \geq 126$

GLUCZZ2_2YR (ADA 2006)

- 0: $\text{GLUC_2YR} < 126$
- 1: $\text{GLUC_2YR} \geq 126$

HYBPZZ_2YR (Chobanian et al. 2003): Hypertension Stages

- 0: $\text{SYSBP_2YR} < 120$ and $\text{DIASBP_2YR} < 80$, Normal
- 1: $120 \leq \text{SYSBP_2YR} \leq 139$ or $80 \leq \text{DIASBP_2YR} \leq 89$, Prehypertension
- 2: $140 \leq \text{SYSBP_2YR} \leq 159$ or $90 \leq \text{DIASBP_2YR} \leq 99$, Stage 1 hypertension
- 3: $\text{SYSBP_2YR} \geq 160$ or $\text{DIASBP_2YR} \geq 100$, Stage 2 hypertension

CAROZZ_2YR (Semba et al. 2006)

- 0: $\text{CARO_2YR} > 56$
- 1: $\text{CARO_2YR} \leq 56$

CHOLZZ_2YR (Expert Panel on Detection 2002)

- 0: $0 \leq \text{CHOL_2YR} < 200$
- 1: $200 \leq \text{CHOL_2YR} \leq 239$
- 2: $\text{CHOL_2YR} \geq 240$

CRPZZ_2YR *CRP_2YR (Pearson et al 2003);

- 0: $0 \leq \text{CRP_2YR} < 1$
- 1: $1 \leq \text{CRP_2YR} \leq 3$
- 2: $3 < \text{CRP_2YR} < 10$
- 3: $10 \leq \text{CRP_2YR}$

CRPZZ2_2YR *CRP_2YR (NHANES 1999-2000)

- 0: Male: $(\text{AGE_2YR} > 59 \text{ and } \text{CRP_2YR} < 4.9)$ or $(\text{AGE_2YR} \leq 59 \text{ and } \text{CRP_2YR} < 4.6)$
- Female: $(\text{AGE_2YR} > 59 \text{ and } \text{CRP_2YR} < 7.3)$ or $(\text{AGE_2YR} \leq 59 \text{ and } \text{CRP_2YR} < 8.4)$
- 1: Male: $(\text{AGE_2YR} > 59 \text{ and } \text{CRP_2YR} \geq 4.9)$ or $(\text{AGE_2YR} \leq 59 \text{ and } \text{CRP_2YR} \geq 4.6)$
- Female: $(\text{AGE_2YR} > 59 \text{ and } \text{CRP_2YR} \geq 7.3)$ or $(\text{AGE_2YR} \leq 59 \text{ and } \text{CRP_2YR} \geq 8.4)$

CREATZZ_2YR (Shlipak et al. 2002)

- 0: Male: $0 \leq \text{CREAT_2YR} < 1.5$
- Female: $0 \leq \text{CREAT_2YR} < 1.3$

1: Male: CREAT_2YR >= 1.5
 Female: CREAT_2YR >= 1.3

$$\text{CREAT_IDMS_2YR} = -0.03339 + (1.01127 * \text{CREAT_2YR})$$

CREATZZ_IDMS_2YR

0: Male: $0 \leq \text{CREAT_IDMS_2YR} < 1.5$
 Female: $0 \leq \text{CREAT_IDMS_2YR} < 1.3$
 1: Male: CREAT_IDMS_2YR >= 1.5
 Female: CREAT_IDMS_2YR >= 1.3

MDRD_IDMS_2YR

$$175 * (\text{CREAT_IDMS_2YR} ** -1.154) * (\text{AGE_2YR} **.203) * (0.742 ** \text{FEMALE}) * (1.212 ** \text{AFAMER})$$

NOTE: AFAMER_2YR: adjusts for African American descent, **equals zero in this population**

$$\text{COCKGAULT_IDMS_2YR} = (0.85 ** \text{FEMALE}) * (140 - \text{AGE_2YR}) * \text{WT_KG_2YR} / (\text{CREAT_IDMS_2YR} * 72)$$

DHEASZZ_2YR (Wisconsin Study)

0: Male: DHEAS_2YR >= 60.5
 Female: DHEAS_2YR >= 33.0
 1: Male: $0 \leq \text{DHEAS_2YR} < 60.5$
 Female: $0 \leq \text{DHEAS_2YR} < 33.0$

DHEASZZ2_2YR (Trivedi and Khaw 2001)

0: Male: DHEAS_2YR >= 58.95
 Female: DHEAS_2YR >= 36.85
 1: Male: $0 \leq \text{DHEAS_2YR} < 58.95$
 Female: $0 \leq \text{DHEAS_2YR} < 36.85$

$$\text{HOMA_IR_2YR} = (\text{INSULIN_2YR} * \text{GLUC_SI_2YR}) / 22.5$$

$$\text{GLUC_SI_2YR} = \text{GLUC_2YR} * 0.055$$

MEDICATIONS

PRESCRIPTION MEDICATIONS (PMED)

INTERVIEWER: List all prescription medications participant is currently taking or has taken within the past year, including insulin.

CO-INFORMANT: YES _____ NO _____		PROXMEDS_2YR
Medication Name	How long using? Codes: 1. Less than 1 year (<1YR) 2. Between 1 and 5 years (1-5YRs)	
1.	PMED1_2YR	PMED1B_2YR
2.	PMED2_2YR	PMED2B_2YR
3.	PMED3_2YR	PMED3B_2YR
4.	PMED4_2YR	PMED4B_2YR
5.	PMED5_2YR	PMED5B_2YR
6.	PMED6_2YR	PMED6B_2YR
7.	PMED7_2YR	PMED7B_2YR
8.	PMED8_2YR	PMED8B_2YR
9.	PMED9_2YR	PMED9B_2YR
10.	PMED10_2YR	PMED10B_2YR
11.	PMED11_2YR	PMED11B_2YR
12.	PMED12_2YR	PMED12B_2YR
13.	PMED13_2YR	PMED13B_2YR
14.	PMED14_2YR	PMED14B_2YR
15.	PMED15_2YR	PMED15B_2YR
16.	PMED16_2YR	PMED16B_2YR
17.	PMED17_2YR	PMED17B_2YR
18.	PMED18_2YR	PMED18B_2YR
19.	PMED19_2YR	PMED19B_2YR
20.	PMED20_2YR	PMED20B_2YR
21.	PMED21_2YR	PMED21B_2YR
22.	PMED22_2YR	PMED22B_2YR
23.	PMED23_2YR	PMED23B_2YR
24.	PMED24_2YR	PMED24B_2YR
25.	PMED25_2YR	PMED25B_2YR
26.	PMED26_2YR	PMED26B_2YR
27.	PMED27_2YR	PMED27B_2YR
28.	PMED28_2YR	PMED28B_2YR
29.	PMED29_2YR	PMED29B_2YR
30.	PMED30_2YR	PMED30B_2YR

OVER-THE-COUNTER MEDICATIONS (OCMED)**INTERVIEWER:** List all over-the-counter medications Subject takes on a weekly basis.

Medication Name	
1.	OCMED1_2YR
2.	OCMED2_2YR
3.	OCMED3_2YR
4.	OCMED4_2YR
5.	OCMED5_2YR
6.	OCMED6_2YR
7.	OCMED7_2YR
8.	OCMED8_2YR
9.	OCMED9_2YR
10.	OCMED10_2YR
11.	OCMED11_2YR
12.	OCMED12_2YR
13.	OCMED13_2YR
14.	OCMED14_2YR
15.	OCMED15_2YR
16.	OCMED16_2YR
17.	OCMED17_2YR
18.	OCMED18_2YR
19.	OCMED19_2YR
20.	OCMED20_2YR
21.	OCMED21_2YR
22.	OCMED22_2YR
23.	OCMED23_2YR
24.	OCMED24_2YR

DERIVED MEDICATION VARIABLES**High-Level Medication Variables**

- A. **MALLMEDS_2YR**: count of all meds including vitamins = MCA_2YR + MANS_C_2YR + MBLOD_C_2YR + MCARDIO_C_2YR + MCOX2_2YR + MASA_2YR + MNSAID_2YR + MOPI_2YR + MACETO_2YR + MANTIC_C_2YR + MPSY_C_2YR + MSTIM_C_2YR + MANX_C_2YR + MLITH_2YR + MMIGRAINE_2YR + MMISPSY_2YR + MELH2O_C_2YR + MANTITU_2YR + MENT_C_2YR + MGI_C_2YR + MHORM_C_2YR + MANTIBIOT_C_2YR + MANTIV_C_2YR + MSKIN_C_2YR + MSKMUS_2YR + MVIT_C_2YR + MMISC_C_2YR + MANTHIS_2YR + MHERBAL_2YR
- B. **MALLNOVIT_2YR**: all medications, no vitamins = MCA_2YR + MANS_C_2YR + MBLOD_C_2YR + MCARDIO_C_2YR + MCOX2_2YR + MASA_2YR + MNSAID_2YR + MOPI_2YR + MACETO_2YR + MANTIC_C_2YR + MPSY_C_2YR + MSTIM_C_2YR + MANX_C_2YR + MLITH_2YR + MMIGRAINE_2YR + MMISPSY_2YR + MELH2O_C_2YR + MANTITU_2YR + MENT_C_2YR

+ MGI_C_2YR + MHORM_C_2YR + MANTIBIOT_C_2YR + MANTIV_C_2YR + MSKIN_C_2YR
+ MSKMUS_2YR + MMISC_C_2YR + MANTHIS_2YR + MHERBAL_2YR

- C. **MORAL_2YR**: count of all "ORAL" meds. This excludes vitamins and topical preparations for skin and eyes. (They are included above) = MCA_2YR + MANS_C_2YR + MBLOD_C_2YR + MCARDIO_C_2YR + MCOX2_2YR + MASA_2YR + MNSAID_2YR + MOPI_2YR + MACETO_2YR + MANTIC_C_2YR + MPSY_C_2YR + MSTIM_C_2YR + MANX_C_2YR + MLITH_2YR + MMIGRAINE_2YR + MMISPSY_2YR + MELH2O_C_2YR + MANTITU_2YR + MGI_C_2YR + MHORM_C_2YR + MANTIBIOT_C_2YR + MSKMUS_2YR + MMISC_C_2YR

CNS

A. CoxII -- count all with code 28.08.04.08 (only)

MCOX2_2YR: taking one or more of these medications

0=No

1=Yes

B. ASA – count all with code 28.08.04.24 (only)

No count variable because subject can only be taking 1 of these medications

MASA_2YR: taking this medication

0=No

1=Yes

C. NSAIDS other – count all with code 28.08.04.92(only)

MNSAID_2YR: taking this medication

0=No

1=Yes

D. Opiates – count all with code 28.08.08 or 28.08.12

MOPI_2YR: taking this medication

0=No

1=Yes

E. Acetaminophen - count all with code 28.08.92 (only)

No count variable because subject can only be taking 1 of these medications

MACETO_2YR: taking this medication

0=No

F. Anticonvulsants - count all with prefix 28.12.

28.12.04 or 28.12.12 or 28.12.92

MANTIC_C_2YR: count of these medications

MANTIC_2YR: taking this medication

0=No

1=Yes

G. New Anticonvulsants – count all with code 28.12.92

MANTIN_2YR: taking this medication

0=No

1=Yes

H. Psychotherapeutic agents – count all with prefix 28.16.

28.16.04.12 or 28.16.04.20 or 28.16.04.24 or 28.16.04.28 or 28.16.04.92 or 28.16.08.04 or 28.16.08.08 or 28.16.08.24 or 28.16.08.32 or 28.16.08.92 or 28.16.08

MPSY_C_2YR: count of these medications

MPSY_2YR: taking this medication

0=No

1=Yes

I. Antidepressants – count all that have prefix 28.16.04.

28.16.04.12 or 28.16.04.20 or 28.16.04.24 or 28.16.04.28 or 28.16.04.92

MANTDEP_C_2YR: count of these medications

MANTDEP_D_2YR: duration taking these medications

MANTDEP_2YR: taking this medication

0=No

1=Yes

1. SSRIs – count of all 28.16.04.20 (only)

MSSRI_D_2YR: duration taking this medication

MSSRI_2YR: taking this medication

0=No

1=Yes

2. MAOIs – count all with code 28.16.04.12 (only)

No count variable because subject can only be taking 1 of these medications

MMAOI_D_2YR: duration taking this medication

MMAOI_2YR: taking this medication

0=No

1=Yes

3. TCAs – count all with code 28.16.04.28 (only)

MTCA_D_2YR: duration taking this medication

MTCA_2YR: taking this medication

0=No

1=Yes

4. Trazodone – count all with code 28.16.04.24 (only)

No count variable because subject can only be taking 1 of these medications

MTRAZ_D_2YR: duration taking this medication

MTRAZ_2YR: taking this medication

0=No

1=Yes

5. MiscAD – count all with 28.16.04.92 (only)

MMISCAD_D_2YR: duration taking this medication

MMISCAD_2YR: taking this medication

0=No

1=Yes

J. Antipsychotics – count all with prefix 28.16.08.

28.16.08.04 or 28.16.08.08 or 28.16.08.24 or 28.16.08.32 or 28.16.08.92 or 28.16.08

MANTPSY_C_2YR: count of these medications

MANTPSY_2YR: taking this medication

0=No

1=Yes

1. AtypicalA – count all with 28.16.08.04 (only) or 28.16.08

MATYPA_2YR: taking this medication

0=No

1=Yes

2. Other Anti-psychotics -

28.16.08.08 or 28.16.08.24 or 28.16.08.32 or 28.16.08.92

MOANTIPSY_C_2YR: count of these medications

MOANTIPSY_2YR: taking this medication

0=No

1=Yes

K. Stimulants -- count all with prefix 28.20

28.20.04 or 28.20.92

MSTIM_C_2YR: count of these medications

MSTIM_2YR: taking this medication

0=No

1=Yes

1. Ritalin – count all with 28.20.92 (only)

MRIT_2YR: taking this medication

0=No

1=Yes

L. Anxiolytics – count all that have prefix 28.24.

28.24.08 or 28.24.92

MANX_C_2YR: count of these medications

MANX_D_2YR: duration taking these medications

MANX_2YR: taking this medication

0=No

1=Yes

1. Benzos – count all with prefix 28.24.08 (only)

MBENZ_D_2YR: duration taking this medication

MBENZ_2YR: taking this medication

0=No

1=Yes

2. Miscellaneous sedative hypnotics –count all with code 28.24.92 (only)

MMSEDHYP_D_2YR: duration taking this medication

MMSEDHYP_2YR: taking this medication

0=No

1=Yes

M. Lithium – count all with code 28.28 (only)

No count variable because subject can only be taking 1 of these medications

MLITH_2YR: taking this medication

0=No

1=Yes

N. Antimigraine agents – count all with code 28.32 (only) or 28.32.28

MMIGRAINE_2YR: taking this medication

0=No

1=Yes

O. MiscPsych – count all with code 28.92 (only)

MMISPSY_2YR: taking this medication

0=No

1=Yes

Antihistamines – count of all with prefix 4 (Used this count in total above)

4.04 or 4.08 or 4.92

MANTHIS_2YR: taking this medication

0=No

1=Yes

Anticancer – count of all with prefix 10 (Used this count in total above)

10.00

MCA_2YR: taking this medication

0=No

1=Yes

Autonomic Nervous – count of all with prefix 12. (Used this count in total above)

12.04 or 12.08.04 or 12.08.08 or 12.12.01 or 12.12.02 or 12.12.03 or 12.20 or 12.12 or 12.92

MANS_C_2YR: count of these medications

MANS_2YR: taking this medication

0=No

1=Yes

A. Cholinergic – count all with prefix 12.04 (only)

MCHOL_2YR: taking this medication

0=No

1=Yes

B. Anticholinergic – count all with prefix 12.08.

12.08.04 or 12.08.08

MANTICH_C_2YR: count of these medications

MANTICH_2YR: taking this medication

0=No

1=Yes

C. Anti-parkinson – count 12.08.04 (only)

MPARK_2YR: taking this medication

0=No

1=Yes

D. Adrenergic – count of all with prefix 12.12.

12.12.01 or 12.12.02 or 12.12.03 or 12.12 or 12.92

MADREN_C_2YR: count of these medications

MADREN_2YR: taking this medication

0=No

1=Yes

1. AdInhalers – count of all 12.12.01 (only)

MADIN_2YR: taking this medication

0=No

1=Yes

2. AdOral – count of all with 12.12.02 and 12.12.03 (only those two complete codes)

MADOR_2YR: taking this medication

0=No

1=Yes

Skeletal Muscle relaxants – count all with code 12.20

MRELAX_2YR: taking this medication

0=No

1=Yes

Blood Formation and Coagulation – count all those with prefix 20. (Used this count in total above)

20.04.04 or 20.12.04.08 or 20.12.04.16 or 20.12.18 or 20.12.04.92 or 20.16 or 20.24

MBLOD_C_2YR: count of these medications

MBLOD_2YR: taking this medication

0=No

1=Yes

A. Iron – count 20.04.04 (only)

No count variable because subject can only be taking 1 of these medications

MIRON_2YR: taking this medication

0=No

1=Yes

B. Anticoagulants – count all with prefix 20.12.04.

or 20.12.04.16 or 20.12.04.92

MANTICO_C_2YR: count of these medications

MANTICO_2YR: taking this medication

0=No

1=Yes

C. Warfarin – count with 20.12.04.08 (only)

MWARFARIN_2YR: taking this medication

0=No

1=Yes

D. Platelet Aggregation Inhibitors – count all with code 20.12.18 (only)

MPLAGGINH_2YR: taking this medication

0=No

1=Yes

E. Hematopoietic – count all with code 20.16 (only)

MHEMAT_2YR: taking this medication

0=No

1=Yes

F. Trental – count all with code 20.24 (only)

No count variable because subject can only be taking 1 of these medications

MTRENT_2YR: taking this medication

0=No

1=Yes

Cardiovascular agents– count all with prefix 24. (Used this count in total above)

24.04.04 or 24.04.08 or 24.06.04 or 24.06.06 or 24.06.08 or

24.06.92 or 24.08.16 or 24.08.20 or 24.12.08 or 24.12.12 or 24.12.92

or 24.20 or 24.24 or 24.28.08 or 24.28.92 or 24.32.04 or 24.32.08 or 24.32.20

MCARDIO_C_2YR: count of these medications

MCARDIO_D_2YR: duration taking these medications

MCARDIO_2YR: taking this medication

0=No

1=Yes

A. Digoxin – count all with code 24.04.08 (only)

No count variable because subject can only be taking 1 of these medications

MDIG_D_2YR: duration taking this medication

MDIG_2YR: taking this medication

0=No

1=Yes

B. Antilipemic agents – count all with prefix 24.06.

24.06.04 or 24.06.06 or 24.06.08 or 24.06.92 or 24.06.92.92

MANTILIP_C_2YR: count of these medications

MANTILIP_D_2YR: duration taking these medications

MANTILIP_2YR: taking this medication

0=No

1=yes

1. HMG CoA – count all with code 24.06.08 (only)

MHMG_D_2YR: duration taking this medication

MHMG_2YR: taking this medication

0=No

1=Yes

2. Omega – count all with code 24.06.92.92

MOMEGA3_D_2YR: duration taking these medications

MOMEGA3_2YR: taking this medication

0=No

1=Yes

C. Hypotensive agents – count all with prefix 24.08

24.08.16 or 24.08.20

MHYPO_D_2YR: duration taking this medication

MHYPO_2YR: taking this medication

0=No

1=Yes

D. Vasodilating agents

1. Nitrates – count all with code 24.12.08 (only)

MNITR_D_2YR: duration taking this medication

MNITR_2YR: taking this medication

0=No

1=Yes

2. Viagra– count all with code 24.12.12 (only)

MFORMEN_D_2YR: duration taking this medication

MFORMEN_2YR: taking this medication

0=No

1=Yes

3. DypYRidamole – count all with code 24.12.92 (only)

MDYPRYID_D_2YR: duration taking this medication

MDYPRYID_2YR: taking this medication

0=No

1=Yes

E. Alpha blockers – count all with code 24.20 (only)

MABLK_D_2YR: duration taking this medication

MABLK_2YR: taking this medication

0=No

1=Yes

F. Beta Blockers – count all with code 24.24 (only)

MBBLK_D_2YR: duration taking this medication

MBBLK_2YR: taking this medication

0=No

1=Yes

G. Calcium Channel Blockers – count all with prefix 24.28.

24.28.08 or 24.28.92

MCBLK_D_2YR: duration taking these medications

MCBLK_2YR: taking this medication

0=No

1=Yes

H. ACE inhibitors – count all with code 24.32.04 (only)

MACEI_D_2YR: duration taking this medication

MACEI_2YR: taking this medication

0=No

1=Yes

I. AngioII – count all with code 24.32.08 (only)

No count variable because subject can only be taking 1 of these medications

MANGIO_D_2YR: duration taking this medication

MANGIO_2YR: taking this medication

0=No

1=Yes

J. Hypertension Medications -- Count all with code in

('24.08.16', '24.08.20', '24.24', '24.28.08', '24.28.92', '24.32.04', '24.32.08', '40.28.01' or '24.32.20')

HTNMED_D_2YR: duration taking these medications

HTNMED_2YR: Taking hypertension medications

0=No

1=Yes

Electrolyte and Water – count all with prefix 40. (Used this count in total above)

40.10 or 40.08 or 40.12.01 or 40.12.02 or 40.18.18 or 40.18.19 or

40.28.01 or 40.28.02 or 40.28.10 or 40.40 or 40.12

MELH2O_C_2YR: count of these medications

MELH2O_2YR: taking this medication

0=No

1=yes

A. Calcium salts – count all with code 40.12.01 (only)

MCATT_2YR: taking this medication

0=No

1=Yes

B. Potassium salts – count all with code 40.12.02 or 40.12

MPOT_2YR: taking this medication

0=No

1=Yes

C. Phosphate removing agents – count all with code 40.18.19 (only)

MPHOSREM_2YR: taking this medication

0=No

1=Yes

D. Diuretics – count all with prefix 40.28.

40.28.01 or 40.28.02 or 40.28.10 or 40.40

MDIUR_C_2YR: count of these medications

MDIUR_2YR: taking this medication

0=No

1=yes

1. Thiazides – count all with code 40.28.01 (only)

MTHIAZ_2YR: taking this medication

0=No

1=Yes

2. Loop – count with code 40.28.02 (only)

MLOOP_2YR: taking this medication

0=No

1=Yes

3. K sparing – count all with code 40.28.10 (only)

MKSPAR_2YR: taking this medication

0=No

1=Yes

Antitussives – count all with 48.08 or 48.16

MANTITU_2YR: taking this medication

0=No

1=Yes

Ear, nose, and throat -- count all with prefix 52. (Used this count in total above)

52.02 or 52.04.04 or 52.04.06 or 52.08 or 52.10 or 52.20 or
52.24 or 52.36 or 52.32 or 52.08.92

MENT_C_2YR: count of these medications

MENT_2YR: taking this medication

0=No

1=Yes

A. ENT anti-inflammatory – count all with code 52.08 or 52.08.92

MENTAI_2YR: taking this medication

0=No

1=Yes

B. Carbonic anhydrase inhibitors: count all with code 52.10 (only)

MCAINH_2YR: taking this medication

0=No

1=Yes

C. Eye drops – count total of codes of 52.10 or 52.20 or 52.24 or 52.32 or 52.36

MEYEDRP_C_2YR: count of these medications

MEYEDRP_2YR: taking this medication

0=No

1=Yes

D. Topical steroids – count with prefix 52.08

52.08 or 52.08.92

MTOPSTER_2YR: taking this medication

0=No

1=Yes

GI Meds – count all those with prefix 56.

56.04 or 56.08 or 56.08.01 or 56.10 or 56.12 or 56.16 or 56.22.08 or 56.22.20 or 56.22.92 or 56.28 or
56.28.12 or 56.28.32 or 56.28.36 or 56.32 or 56.36 or 56.92 or 58.10

MGI_C_2YR: count of these medications

MGI_2YR: taking this medication

0=No

1=Yes

A. Cathartics – count all those with code 56.12 (only)

MCATH_2YR: taking this medication

0=No

1=Yes

B. Anti-emetics – count all those with code 56.22.08 or 56.22.92

MANTIEMET_2YR: taking this medication

0=No

1=Yes

C. Anti-ulcer – count all with prefix 56.28

56.28.12 or 56.28.32 or 56.28.36

MULCER_C_2YR: count of these medications

MULCER_2YR: taking this medication

0=No

1=Yes

1. H2antagonists – count all those with code 56.28.12 (only)

MH2ANT_2YR: taking this medication

0=No

1=Yes

2. Sulcralfate – count all those with code 56.28.32 (only)

MSULC_2YR: taking this medication

0=No

1=Yes

3. PPIs – count all those with code 56.28.36 (only)

MPPI_2YR: taking this medication

0=No

1=Yes

Hormones – count all with prefix 68.

68.04 or 68.04.01 or 68.08 or 68.12 or 68.16.04 or 68.16.12 or 68.20.04 or 68.20.08 or 68.20.16 or 68.20.20 or 68.20.28 or 68.20.92 or 68.24 or 68.32 or 68.36.04 or 68.36.08 or 88.68

MHORM_C_2YR: count of these medications

MHORM_2YR: taking this medication

0=No

1=Yes

A. Prednisone – count all with code 68.04.01 (only)

No count variable because subject can only be taking 1 of these medications

MPRED_2YR: taking this medication

0=No

1=Yes

B. Estrogen – count all with code 68.16.04 (only)

MESTRO_2YR: taking this medication

0=No

1=Yes

C. Androgens – count all with code 68.08 (only)

MTESTOS_2YR: taking this medication

0=No

1=Yes

D. Raloxifene – count all with code 68.16.12 (only)

MRALOX_2YR: taking this medication

0=No

1=Yes

E. Antidiabetic agents – count all with prefix 68.20.

68.20.04 or 68.20.08 or 68.20.16 or 68.20.20 or 68.20.28 or 68.20.92

MANTIDB_C_2YR: count of these medications

MANTIDB_D_2YR: duration taking these medications

MANTIDB_2YR: taking this medication

0=No

1=Yes

1. Metformin – count all with code 68.20.04 (only)

No count variable because subject can only be taking 1 of these medications

MMETFORMIN_D_2YR: duration taking these medications

MMETFORMIN_2YR: taking this medication

0=No

1=Yes

2. Insulin – count all with code 68.20.08 (only)

MINSU_D_2YR: duration taking these medications

MINSU_2YR: taking this medication

0=No

1=Yes

3. Meglit – count all with code 68.20.16 (only)

No count variable because subject can only be taking 1 of these medications

MMEGL_D_2YR: duration taking these medications

MMEGL_2YR: taking this medication

0=No

1=Yes

4. Sulfonylureas – count all with code 68.20.20 (only)

MSULF_D_2YR: duration taking these medications

MSULF_2YR: taking this medication

0=No

1=Yes

5. Glitazones – count all with code 68.20.28 (only)

MGLIT_D_2YR: duration taking these medications

MGLIT_2YR: taking this medication

0=No

1=Yes

6. Alpha glucosidase inhibitors – count all with code 68.20.92 (only)

MALFGLUC_D_2YR: duration taking these medications

MALFGLUC_2YR: taking this medication

0=No

1=Yes

F. Calcitonin – count all with code 68.24 (only)

No count variable because subject can only be taking 1 of these medications

MCALCI_2YR: taking this medication

0=No

1=Yes

G. Thyroid replacement– count all with code 68.36.04 (only)

MTHYREP_2YR: taking this medication

0=No

1=Yes

H. Anti-thyroid -- count all with code 68.36.08 (only)

MANTHY_2YR: taking this medication

0=No

1=Yes

Antibiotics – count all with code:

8.12 or 8.12.06 or 8.12.18 or 8.12.20 or 8.12.28.30 or 8.22

MANTIBIOT_C_2YR: count of these medications

MANTIBIOT_2YR: taking this medication

0=No

1=Yes

Antifungal – count all with prefix 8.18

'8.14.08' '8.14.04' '8.14.92'

MANTFUN_C_2YR: count of these medications

MANTIFUN_2YR: taking this medication

0=No

1=Yes

Antiviral – count all with prefix 8.18

8.18 or 8.18.08 or 8.18.08.08 or 8.18.20 or 8.18.32

MANTIV_C_2YR: count of these medications

MANTIV_2YR: taking this medication

0=No

1=Yes

Anti-HIV: count all with code:

8.18 or 8.18.08 or 8.18.08.08

MANTI HIV_C_2YR: count of these medications

MANTI HIV_2YR: taking this medications

0= No

1=Yes

Skin Agents – count all with prefix 84.

84.04 or 84.04.04 or 84.04.08 or 84.04.08.08 or 84.04.12 or 84.04.16 or 84.06 or 84.08 or 84.24 or 84.32 or 84.92

MSKIN_C_2YR: count of these medications

MSKIN_2YR: taking this medication

0=No

1=Yes

Skeletal Muscle – count all with prefix 86.

86.12 or 86.16

MSKMUS_2YR: taking this medication

0=No

1=Yes

A. GU muscle – count all with code 86.12 (only)

MGUMUS_2YR: taking this medication

0=No

1=Yes

B. Theophylline – count all with code 86.16 (only)

MTHEOPHYL_2YR: taking this medication

0=No

1=Yes

Vitamins – count all with prefix 88.

88.04 or 88.08 or 88.08.01 or 88.08.02 or 88.08.05 or 88.08.06 or 88.08.07 or 88.08.08 or 88.12 or 88.16 or 88.16.01 or 88.16.02 or 88.16.04 or 88.20 or 88.24 or 88.28 or 88.72 or 24.06.92.92 or 24.06.92

MVIT_C_2YR: count of these medications

MVIT_2YR: taking this medication

0=No

1=Yes

A. Vitamin A – count all with code 88.04 or 24.06.92.92

MVITASUPP_2YR: taking this medication

0=No

1=Yes

B. Multivitamins – count all with code 88.28 (only)

MMULTV_2YR: taking this medication

0=No

1=Yes

C. Vitamin B Supplements -- count all with code in ('88.08', '88.08.01', '88.08.02', '88.08.05', '88.08.06', '88.08.07', '24.06.92', OR '88.08.08')

MVITBSUPP_2YR: taking this medication:

0=No

1= Yes

D. Vitamin B 12 – count all with code 88.08.01 (only)

MVITB12SUPP_2YR: taking this medication

0=No

1=Yes

E. Folic Acid – count all with code 88.08.02 (only)

MFOLSUPP_2YR: taking this medication

0=No

1=Yes

F. Pantothenic Acid – count all with code 88.08.05 (only)

MVITPASUPP_2YR: taking this medication

0=No

1=Yes

G. Vitamin B 6 – count all with code 88.08.06 (only)

MVITB6SUPP_2YR: taking this medication

0=No

1=Yes

H. Vitamin B 2 – count all with code 88.08.07 (only)

MVITB2SUPP_2YR: taking this medication

0=No

1=Yes

I. Vitamin B 1 – count all with code 88.08.08 (only)

MVITB1SUPP_2YR: taking this medication

0=No

1=Yes

J. Vitamin C – count all with code 88.12 (only)

MVITCSUPP_2YR: taking this medication

0=No

1=Yes

K. Vitamin D – count all with code:

88.16 or 88.16.01 or 88.16.02 or 24.06.92.92

MVITDSUPP_2YR: taking this medication

0=No

1=Yes

L. Vitamin E – count all with code 88.20 (only)

MVITESUPP_2YR: taking this medication

0=No

1=Yes

M. Vitamin K – count all with code 88.24 (only)

MVITKSUPP_2YR: taking this medication

0=No

1=Yes

N. Zinc – count all with code 88.30 (only)

MZINCSUPP_2YR: taking this medication

0=No

1=Yes

O. Niacin – count all with code 24.06.92 (only)

MNIACIN_2YR: taking this medication

0=No

1=Yes

Herbals -- count all with code:

88.40 or 88.41 or 88.44 or 88.45 or 88.46 or 88.47 or 88.48 or 88.49 or 88.50 or 88.51 or 88.52 or 88.53 or 88.54 or 88.55 or 88.56 or 88.57 or 88.58 or 88.59 or 88.60 or 88.61 or 88.62 or 88.63 or 88.65 or 88.66 or 88.67 or 88.69 or 88.70 or 88.71 or 88.72 or 88.73 or 88.74 or 88.75 or 88.76 or 88.77 or 88.78 or 88.79 or 88.80 or 88.81 or 88.82 or 88.83 or 88.84 or 88.85 or 89.00 or 24.06.92.92

MHERBAL_2YR: taking this medication

0=No

1=Yes

A. Flax – count all with code 88.47 (only)

MFLXSUPP_2YR: taking this medication

0=No

1=Yes

B. Garlic – count all with code 88.48 (only)

MGARSUPP_2YR: taking this medication

0=No

1=Yes

C. Melatonin – count all with code 88.50 (only)

MMELSUPP_2YR: taking this medication

0=No

1=Yes

D. Zeaxanthin – count all with code 88.57 (only)

MZEASUPP_2YR: taking this medication

0=No

1=Yes

E. Lutein – count all with code 88.72 (only)

MLUTSUPP_2YR: taking this medication

0=No

1=Yes

Miscellaneous – count all with prefix 92.

92.00 or 92.01 or 92.02 or 92.03 or 92.04 or 92.06 or 92.07 or 92.09 or 92.11 or 92.12 or 92.13 or 92.17 or 20.12.28

MMISC_C_2YR: count of these medications

A. Alpha reductase inhibitors for benign prostatic hypertrophy – count all with code 92.02 (only)

MBPH_2YR: taking this medication

0=No

1=Yes

B. Anti-gout – count all with code 40.40 or 92.04

MANTIGOUT_2YR: taking this medication

0=No

1=Yes

C. Bone resorption inhibitors –count all with code 92.07 (only)

No count variable because subject can only be taking 1 of these medications

MBONEINH_2YR: taking this medication

0=No

1=Yes

D. Disease modifying antirheumatic drugs – count all with code 92.09 (only)

MANRHEUM_2YR: taking this medication

0=No

1=Yes

E. Imusuppressive agents – count all with code 92.11 (only)

MIMUSUPPR_2YR: taking this medication

0=No

1=Yes

F. Leukotriene Modifiers– count all with code 92.12 (only)

MLEUKOTRI_2YR: taking this medication

0=No

1=Yes

G. Pepto-Bismol – code 56.08.01

MPEPTO_2YR – taking this medication

0 = No

1 = Yes

H. DHEA – count all with code 88.68 (only)

MDHEASUPP_2YR: taking this medication

0=No

1=Yes

Respiratory Meds *For Doug Brugge, March 08;

A. Asthma – count all with code: 52.08 or 92.12 or 92.13 or 12.12.01 or 86.16

MASTHMA_D_2YR: duration taking these medications

MASTHMA_2YR: taking this medication

0=No

1=Yes

B. Asthcopd – count all with code: 52.08 or 68.04 or 68.04.01 or 12.12.01 or 12.12.02

MASTHCOPD_D_2YR: duration taking these medications

MASTHCOPD_2YR: taking this medication

0=No

1=Yes

C. Astoth – count all with code: 52.08 or 68.04 or 4.04 or 4.08

MASTOTH_D_2YR: duration taking these medications

MASTOTH_2YR: taking this medication

0=No

1=Yes

D. Cough – count all with code: 48.08 or 48.16 or 12.04 or 4.04

MCOUGH_D_2YR: duration taking these medications

MCOUGH_2YR: taking this medication

0=No

1=Yes

E. Copd – count all with code: 12.08.08 or 12.12.01

MCOPD_D_2YR: duration taking these medications

MCOPD_2YR: taking this medication

0=No

1=Yes

F. Nosmoke – count all with code: 12.92

MNOSMOKE_D_2YR: duration taking these medications

MNOSMOKE_2YR: taking this medication

0=No

1=Yes

G. Rhin – count all with code: 28.24.92 or 12.04

MRHIN_D_2YR: duration taking these medications

MRHIN_2YR: taking this medication

0=No

1=Yes

H. Decon – count all with this code: 12.12.02

MDECON_D_2YR: duration taking these medications

MDECON_2YR: taking this medication

0=No

1=Yes

INTERVIEWER'S OBSERVATIONS AND COMMENTS (OBS)**INTERVIEWER:** Please complete this section after concluding the interview.

1. Language of Interview	1. English 2. Spanish 3. Both, English and Spanish	OBS1_2YR
2. Sample Person Status	1. Normally mobile 2. Only seen in bed 3. Only seen in a wheelchair	OBS2_2YR
3. Mental Condition	1. Confused at times 2. Cognitive deficit (retarded or demented) 3. Not noted 4. Normal	OBS3_2YR
4. Sight <i>With or without glasses? Ask if S is wearing contact lenses.</i>	A. 1. Blind 2. Visually impaired 3. Not noted 4. Normal B. 1. With glasses/contacts 2. Without glasses/contacts	OBS4A_2YR OBS4B_2YR
5. Hearing	A. 1. Deaf 2. Severely hearing impaired 3. Slightly hearing impaired 4. Not noted 5. Normal B. Using hearing aid? 1. Yes 0. No	OBS5A_2YR OBS5B_2YR
6. Gait	1. Normal 2. Shuffling 3. Difficulty keeping their balance 4. Other: _____	OBS6_2YR OBS6B_2YR
7. Other problems?	Codes: Describe; part of body:	OBS6C_2YR OBS7_2YR
7a. Amputations	1. Upper body 2. Lower body 3. Normal	OBS7A_2YR
7b. Tremor	1. Upper body 2. Lower body 3. Normal	OBS7B_2YR
7c. Deformity	1. Upper body 2. Lower body 3. Normal	OBS7C_2YR
7d. Loss of Function; can't use	1. Upper body 2. Lower body 3. Normal	OBS7D_2YR
7e. Other:	1. Upper body 2. Lower body 3. Normal	OBS7E_2YR

(Observations Continued...)

8. Skin tone:	<ol style="list-style-type: none"> 1. Dark 2. Medium 3. Light 4. White 	OBS8x_2YR
9. How would you rate Subject's ability to understand English?	<ol style="list-style-type: none"> 1. Excellent 2. Very Good 3. Good 4. Fair 5. Poor 6. NA: English was not spoken during the interview 	OBS9x_2YR
10. How would you rate the Subject's ability to speak clearly in Spanish?	<ol style="list-style-type: none"> 1. Excellent 2. Very Good 3. Good 4. Fair 5. Poor 6. NA: Spanish was not spoken during the interview 	OBS10_2YR
11. Type of structure in which Subject lives:	<ol style="list-style-type: none"> 1. Trailer 2. Detached, single family house 3. Duplex/Two family house 4. House converted to apartments 5. Rowhouse or townhouse with 3 or more units, 3 stories or less) 6. Apartment building with 5 or more units, 3 stories or less 7. Apartment building with 5 or more units, 4 stories or more 8. Apartment in a partly commercial structure 9. Rooming or boarding house; structure not specified 97. Other 	OBS11_2YR
12. Additional comments		OBS12_2YR

APPENDICES

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ALLOSTATIC LOAD CUTOFFS TABLE

MEASURE	MacArthur ALLOLOAD	Wisconsin ALLOLOAD_SEX	AL data ALLOLOAD_Q	AL data, sex specific ALLOLOAD_QSEX	Clinical ALLOLOADCLINICAL
Systolic BP	≥ 148	M: ≥ 148.5 F: ≥ 144	≥ 146.3	M: ≥ 148.3 F: ≥ 145.8	>140
Diastolic BP	≥ 83	M: ≥ 87.5 F: ≥ 80	≥ 87.8	M: ≥ 89.0 F: ≥ 86.8	>90
Waist/hip ratio	≥ 0.94	M: ≥ 0.97 F: ≥ 0.86	≥ 0.99	M: ≥ 1.01 F: ≥ 0.96	---
Waist circumference	---	---	---	---	M: >102 F: >88
Chol/HDL ratio	≥ 5.9	M: ≥ 5.6 F: ≥ 4.8	≥ 4.9	M: ≥ 5.2 F: ≥ 4.8	---
Chol	---	---	---	---	≥240
HDL	≤ 37	M: ≤ 36 F: ≤ 45	≤ 36	M: ≤ 32 F: ≤ 39	<40
Glycos. HGB (%)	≥ 7.1	M: ≥ 6.0 F: ≥ 6.0	≥ 7.6	M: ≥ 7.4 F: ≥ 7.7	>7.0
Cortisol**	≥ 25.7	M: ≥ 41.5 F: ≥ 49.5	≥ 38.6	M: ≥ 41.1 F: ≥ 37.4	M: ≥ 41.5 F: ≥ 49.5
Norepi**	≥ 48	M: ≥ 30.5 F: ≥ 46.9	≥ 48.5	M: ≥ 42.6 F: ≥ 50.5	M: ≥ 30.5 F: ≥ 46.9
Epi**	≥ 5	M: ≥ 2.8 F: ≥ 3.6	≥ 4.9	M: ≥ 5.3 F: ≥ 4.7	M: ≥ 2.8 F: ≥ 3.6
DHEAS (ng/mL)	≤ 350	M: ≤ 605 F: ≤ 330	≤ 370	M: ≤ 570 F: ≤ 330	M: ≤589.5 F: ≤368.5
CRP	≥ 4.6	M: ≥ 4.9 F: ≥ 7.3	≥ 7.6	M: ≥ 4.9 F: ≥ 8.5	>3

POVERTY GUIDELINES

Poverty Guidelines 2006-2011

Size of Family Unit	2006		2007		2008		2009		2010		2011	
	120%		120%		120%		120%		120%		120%	
	Guideline	Guideline	Guideline	Guideline	Guideline	Guideline	Guideline	Guideline	Guideline	Guideline	Guideline	Guideline
One person	9,800	11,760	10,210	12,252	10,400	12,480	10,830	12,996	10,830	12,996	10,890	13,068
Two persons	13,200	15,840	13,690	16,428	14,000	16,800	14,570	17,484	14,570	17,484	14,710	17,652
Three persons	16,600	19,920	17,170	20,604	17,600	21,120	18,310	21,972	18,310	21,972	18,530	22,236
Four persons	20,000	24,000	20,650	24,780	21,200	25,440	22,050	26,460	22,050	26,460	22,350	26,820
Five persons	23,400	28,080	24,130	28,956	24,800	29,760	25,790	30,948	25,790	30,948	26,170	31,404
Six persons	26,800	32,160	27,610	33,132	28,400	34,080	29,530	35,436	29,530	35,436	29,990	35,988
Seven persons	30,200	36,240	31,090	37,308	32,000	38,400	33,270	39,924	33,270	39,924	33,810	40,572
Eight persons	33,600	40,320	34,570	41,484	35,600	42,720	37,010	44,412	37,010	44,412	37,630	45,156
Each additional person	3,400	4,080	3,480	4,176	3,600	4,320	3,740	4,488	3,740	4,488	3,820	4,584

Guidelines from US Department of Health and Human Services:

<http://aspe.hhs.gov/poverty/figures-fed-reg.shtml>

Thresholds from US Census Bureau:

<https://www.census.gov/data/tables/time-series/demo/income-poverty/historical-poverty-thresholds.html>

Note: Guidelines calculated based on previous years thresholds.

For example, 2007 poverty guidelines are based upon 2006 poverty thresholds.

<http://aspe.hhs.gov/poverty/07computations.shtml>

NEUROPSYCHOLOGICAL EXAMS

The following 21 (7 tests) contain a battery of Neuropsychological testing. Be sure to carefully follow the instructions during the administration of each test. In addition, if a proxy is involved in the interview they should not be present during the testing. The testing should be administered in a quiet area to assure participant concentration.

Neuropsychological Battery in English

Word List Learning

Instrument developed by L. Artiola y Fortuny, PhD © 1999 as a part of the “California Verbal Learning Test” from D. Delis y Cols. CopYRight 1993.

LIST A

First Try: “I am going to read from a list of words. Please listen attentively. Once I have finished I would like for you to repeat the list as best as you can. The order in which you repeat the words does not matter. The most important thing is that you remember as many as you can. Are you ready?”

Second Try: “I am going to repeat the list of words. Once again, I would like for you to repeat as many words as you can in whatever order. Please remember to repeat the words you already said the first time.”

Third Try: “I am going to repeat once again the same list of words. Once again, I would like for you to repeat all the words that you can in whatever order, including the ones you have said before.”

2. grandfather	5. hippopotamus	9. couch	13. dresser
3. giraffe	6. sofa	10. zebra	14. panther
4. leg	7. eye	11. uncle	15. cousin
5. bed	8. mother	12. hand	16. nose

LIST A	1st Attempt	2nd Attempt	3rd Attempt	4th Attempt	5th Attempt
1. bed					
2. couch					
3. cousin					
4. dresser					
5. eye					
6. giraffe					
7. grandfather					
8. hand					
9. hippopotamus					
10. leg					
11. mother					
12. nose					
13. panther					
14. sofa					
15. uncle					

16. zebra					
17.					
18.					
19.					
20.					
CORRECT	LIS1_2YR	LIS2_2YR	LIS3_2YR	LIS4_2YR	LIS5_2YR

LIST B.

Instructions: “Now I am going to read a totally different list. Pay attention and repeat it in the order in which you please.”

1. piano 2. elephant 3. shirt 4. head 5. leopard 6. violin 7. foot 8. skirt	9. finger 10. bear 11. dress 12. trumpet 13. rhinoceros 14. coat 15. ear 16. drum
--	--

LIST B	
1. bear	
2. coat	
3. dress	
4. drum	
5. ear	
6. elephant	
7. finger	
8. foot	
9. head	
10. leopard	
11. piano	
12. rhinoceros	
13. skirt	
14. shirt	
15. trumpet	

16. violin	
17.	
18.	
19.	
20.	
CORRECT	<u>__ LISB_2YR __</u>

SHORT TERM RECALL

Instructions:

“Now I would like you to repeat the words from the first list that I read 5 times”

SHORT TERM RECALL
1.
2.
3.
4.
5.
6.
7.
8.
9.
10.
11.
12.
13.
14.
15.
16.
17.
18.
19.
20.
CORRECT <u>__ LISCLIB_2YR __</u>

SHORT TERM RECALL FACILITATED BY CLUES

Instructions:

“Please tell me all of the words from the first list that I read you that include animals, family members, etc.”

SHORT TERM RECALL FACILITATED BY CLUES
1. ANIMALS
2.
3.
4.
5.
6. FAMILY MEMBERS
7.
8.
9.
10.
11. FURNITURE
12.
13.
14.
15.
16. BODY PARTS
17.
18.
19.
20.
CORRECT <u>__ LISCPIST_2YR __</u>

STOP TIME ___ : ___

LONG TERM RECALL

20 minutes after Short Term Recall
Facilitated by Clues

START TIME: ___ : ___

Instructions:

“A little while ago I read you a list of words. I would like you to repeat all the words from the first list, the one I read five times. Please begin.”

LONG TERM RECALL FACILITATED BY CLUES

Instructions:

“Please tell me all of the words from the first list that are family members, etc.”

LONG TERM RECALL
1.
2.
3.
4.
5.
6.
7.
8.
9.
10.
11.
12.
13.
14.
15.
16.
17.
18.
19.
20.

CORRECT **LISLPLIB_2YR** _____

LONG TERM RECALL FACILITATED BY CLUES
1. FAMILY MEMBERS
2.
3.
4.
5.
6. BODY PARTS
7.
8.
9.
10.
11. ANIMALS
12.
13.
14.
15.
16. FURNITURE
17.
18.
19.
20.
CORRECT LISLPPIST_2YR _____

RECOGNITION

Instructions:

“Now let’s try this in a different way. I am going to read a list of words. After each word, I would like for you to indicate whether that word was included in the first list or not.”

Interviewer: Mark the correct responses in the space provided to the right of the word. Do not mark any incorrect responses.

	Items	Yes
1	piano	
2	ear	
3	violin	
4	soap	
5	word	
6	father	
7	dresser	
8	tree	
9	cousin	
10	eye	
11	giraffe	
12	coat	
13	elephant	
14	coma	
15	grandfather	
16	book	
17	hippopotamus	
18	movie	
19	garlic	
20	leg	
21	spoon	
22	arm	
23	couch	
24	drum	
25	mother	
26	hall	
27	foot	
28	zebra	
29	aspirin	
30	hand	
31	bed	
32	tiger	
33	racetrack	
34	uncle	
35	panther	
36	bear	
37	rock	
38	pepper	
39	nose	
40	shirt	
41	table	
42	sofa	
43	jam	
44	handsaw	
	TOTAL	WLLG_2YR
	Possible	16

Naming Words- *This test is to see the speed with which you can read these words. You will read these words as fast as you can, by column. I will tell you when you should start. Read the first, second, third, fourth and fifth column until I say "STOP". Remember, continue reading in a loud voice, as fast as possible until I say "STOP". If you make a mistake I will say "No", correct the error and continue reading without stopping, until I say "STOP". Ready? Begin! (After 45 seconds): "STOP!"*

[Interviewer: Keep the test page on the table so that it will be easier to correct the subject if there is a mistake.]

1. RED		21. BLUE		41. GREEN		61. RED		81. BLUE	
2. GREEN		22. GREEN		42. RED		62. BLUE		82. GREEN	
3. BLUE		23. RED		43. BLUE		63. GREEN		83. RED	
4. GREEN		24. BLUE		44. RED		64. RED		84. BLUE	
5. RED		25. RED		45. GREEN		65. BLUE		85. GREEN	
6. BLUE		26. GREEN		46. BLUE		66. GREEN		86. RED	
7. RED		27. BLUE		47. GREEN		67. BLUE		87. GREEN	
8. BLUE		28. GREEN		48. RED		68. GREEN		88. RED	
9. GREEN		29. RED		49. BLUE		69. RED		89. BLUE	
10. BLUE		30. GREEN		50. GREEN		70. BLUE		90. GREEN	
11. GREEN		31. RED		51. BLUE		71. RED		91. RED	
12. RED		32. BLUE		52. RED		72. GREEN		92. BLUE	
13. GREEN		33. RED		53. BLUE		73. RED		93. GREEN	
14. BLUE		34. BLUE		54. RED		74. GREEN		94. RED	
15. RED		35. GREEN		55. GREEN		75. BLUE		95. BLUE	
16. BLUE		36. BLUE		56. RED		76. GREEN		96. RED	
17. RED		37. GREEN		57. BLUE		77. RED		97. GREEN	
18. GREEN		38. RED		58. GREEN		78. BLUE		98. BLUE	
19. RED		39. BLUE		59. RED		79. GREEN		99. RED	
20. GREEN		40. RED		60. GREEN		80. BLUE		100. GREEN	

Score: Number Correct **STRPAL_2YR**

Naming Colors- *This part of the test is to see how quickly you can name these colors. I am going to tell you when to start. Name the colors in a loud voice, as fast as you can. Start with the first column, then the second, etc., just like in the previous task, until I say "STOP". When you finish the fifth column continue with the first column until I say "STOP". If you make a mistake, I will let you know. Correct your mistake and continue naming colors in a loud voice as fast as possible. Ready? "Begin" (After 45 seconds): "STOP!"*

[**Interviewer:** Keep the test page on the table so that it will be easier to correct the subject if there is a mistake.]

1. RED		22. RED		41. BLUE		61. GREEN		81. BLUE	
2. BLUE		22. BLUE		42. GREEN		62. RED		82. GREEN	
3. GREEN		23. RED		43. BLUE		63. BLUE		83. RED	
4. RED		24. GREEN		44. RED		64. RED		84. BLUE	
5. BLUE		25. BLUE		45. GREEN		65. GREEN		85. GREEN	
6. RED		26. GREEN		46. BLUE		66. RED		86. BLUE	
7. GREEN		27. RED		47. GREEN		67. GREEN		87. GREEN	
8. BLUE		28. BLUE		48. RED		68. BLUE		88. RED	
9. RED		29. RED		49. BLUE		69. GREEN		89. GREEN	
10. GREEN		30. BLUE		50. GREEN		70. BLUE		90. BLUE	
11. BLUE		31. GREEN		51. RED		71. RED		91. RED	
12. GREEN		32. BLUE		52. GREEN		72. BLUE		92. BLUE	
13. BLUE		33. RED		53. BLUE		73. RED		93. RED	
14. RED		34. GREEN		54. RED		74. GREEN		94. GREEN	
15. GREEN		35. BLUE		55. GREEN		75. BLUE		95. RED	
16. BLUE		36. RED		56. RED		76. GREEN		96. GREEN	
17. RED		37. GREEN		57. BLUE		77. RED		97. BLUE	
18. GREEN		38. BLUE		58. RED		78. GREEN		98. GREEN	
19. BLUE		39. RED		59. GREEN		79. BLUE		99. RED	
20. RED		40. GREEN		60. BLUE		80. RED		100. BLUE	

Score: Number Correct **STRCOL_2YR**

Naming Colors/Ignoring Words- *This part of the test is very similar to the one you have just finished. I am going to ask that you name the color of the ink in which the words are written, and ignore the word that it says. Do not read the words. Only name the color of the ink in which it is written. For example, what will you say here? (Point to the first word of the first column; show another example if necessary). Remember, name the color of the ink in a loud voice, as fast as you can, following the order of the columns. I am going to tell you when to start. I will also indicate when you have made a mistake. Correct yourself and continue as fast as you can. Ready? Begin. (After 45 seconds): "STOP!"*

[Interviewer: Keep the test page on the table so that it will be easier to correct the subject if there is a mistake.]

1. BLUE		21. RED		41. BLUE		61. GREEN		81. RED	
2. RED		22. BLUE		42. GREEN		62. RED		82. BLUE	
3. GREEN		23. GREEN		43. RED		63. BLUE		83. GREEN	
4. BLUE		24. RED		44. BLUE		64. GREEN		84. RED	
5. GREEN		25. GREEN		45. RED		65. RED		85. BLUE	
6. RED		26. BLUE		46. GREEN		66. BLUE		86. GREEN	
7. GREEN		27. GREEN		47. RED		67. GREEN		87. RED	
8. RED		28. RED		48. BLUE		68. RED		88. BLUE	
9. BLUE		29. BLUE		49. GREEN		69. BLUE		89. GREEN	
10. RED		30. RED		50. RED		70. GREEN		90. BLUE	
11. BLUE		31. BLUE		51. GREEN		71. BLUE		91. GREEN	
12. GREEN		32. GREEN		52. BLUE		72. RED		92. RED	
13. RED		33. BLUE		53. RED		73. BLUE		93. BLUE	
14. GREEN		34. GREEN		54. GREEN		74. RED		94. GREEN	
15. BLUE		35. RED		55. BLUE		75. GREEN		95. RED	
16. GREEN		36. GREEN		56. GREEN		76. BLUE		96. BLUE	
17. BLUE		37. RED		57. RED		77. GREEN		97. RED	
18. RED		38. BLUE		58. BLUE		78. RED		98. GREEN	
19. GREEN		39. RED		59. GREEN		79. BLUE		99. BLUE	
20. BLUE		40. GREEN		60. BLUE		80. RED		100. RED	

Score: Number Correct **STRCP_2YR**

Neuropsychological Test Battery

LETTER FLUENCY

L. ARTIOLA i FORTUN Y D. HERMOSILLO ROMO © 1999

Instructions:

“I am going to say a letter of the alphabet and I want you to say as quickly as you can all the words that you can think of which begin with that letter. You may say any words at all, except proper names such as the names of people or places. So you would not say Rochester or Robert. Also do not use the same word again with a different ending such as eat and eating. For example, if I say S, you could say son, sit, strong, or state. Can you think of other words beginning with the letter S? If the subject has succeeded in giving two appropriate words beginning with the demonstration letter, say, “That is fine. Now I am going to give you another letter and again you say all the words beginning with that letter that you can think of. Remember, no names of people or places, just ordinary words. Also, if you draw a blank, I want you to keep on trying until the time limit is up. You will have one minute for each letter. The first letter is C (The second letter is F, the third letter is L).” [Interviewer: For each letter, you are allowed to remind the subject of the rules one time, i.e. word endings, proper nouns, and the letter that they are on]

C

F

L

1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		
17.		
18.		
19.		
20.		
21.		
22.		
LF1_2YR	LF2_2YR	LF3_2YR

Score: _____

DIGIT SPAN

L. ARTIOLA I FORTUNY Y D. HERMOSILLO ROMO ©1999
INSTRUCTIONS FOR ADMINISTRATION OF THE DIGIT SPAN

I. Digits Forward

Instructions: “I am going to say some numbers. Listen carefully, and when I am through, I want you to say them right after me. Just say exactly what I say. So for example, if I say 1-2-3, you would say... The sets of numbers will grow longer as I go.” **Interviewer:** Read the number sequences at a slow pace. Say one number at a time. Stop when the subject has both sequences incorrect in the same section.

Sequence 1		Correct y/n	Sequence 2	Correct y/n
1.	9-3		1-5	
2.	5-8-2		6-9-4	
3.	6-4-3-9		7-2-8-6	
4.	4-2-7-3-1		7-5-8-3-6	
5.	6-1-9-4-7-3		3-9-2-4-8-7	
6.	5-9-1-7-4-2-8		4-1-7-9-3-8-6	
7.	5-8-1-9-2-6-4-7		3-8-2-9-5-1-7-4	
8.	2-7-5-8-6-2-5-8-4	DFI_2YR	7-1-3-9-4-2-5-6-8	DBI_2YR

Digits Forward (**ATVERIDE_2YR**) = ____

II. Digits Backward

Instructions: “Now I am going to say some more numbers. But this time when I stop, I want you to say them backward. For example, if I say 1-2-3, now you would say...” [3-2-1] **Interviewer:** Wait for the subject to respond. If the subject’s response is correct, say “Correct”, then begin. If the subject does not respond or the response is incorrect; tell them the correct response and give another example.

Sequence 1		Correct y/n	Sequence 2	Correct y/n
1.	2-4		5-8	
2.	6-2-9		4-1-5	
3.	3-2-7-9		4-9-6-8	
4.	1-5-2-8-6		6-1-8-4-3	
5.	5-3-9-4-1-8		7-2-4-8-5-6	
6.	8-1-2-9-3-6-5		4-7-3-7-1-2-8	
7.	9-4-3-7-6-2-5-8		7-2-8-1-9-6-5-3	

Digits Backward (**ATVERINV_2YR**)= ____

CLOCK DRAWING INSTRUCTIONS

Instructions: “Pretend this is the face of a clock. Draw a picture of a clock, with numbers and hands that show the time is ten after eleven.”

Interviewer: The circle is provided on the answer sheet. Only use this circle, since the results of the test are affected by the size of the circle (i.e. the smaller the circle, the easier the task). Give one point for the numbers 1 through 12, one point for each correct positioning of the numbers, and one point for two hands of the clock.

Score	Points	
12 numbers (1-12)	0 1	
12 numbers in the correct position	0 1	
2 hands are on the clock	0 1	CLOCK_2YR

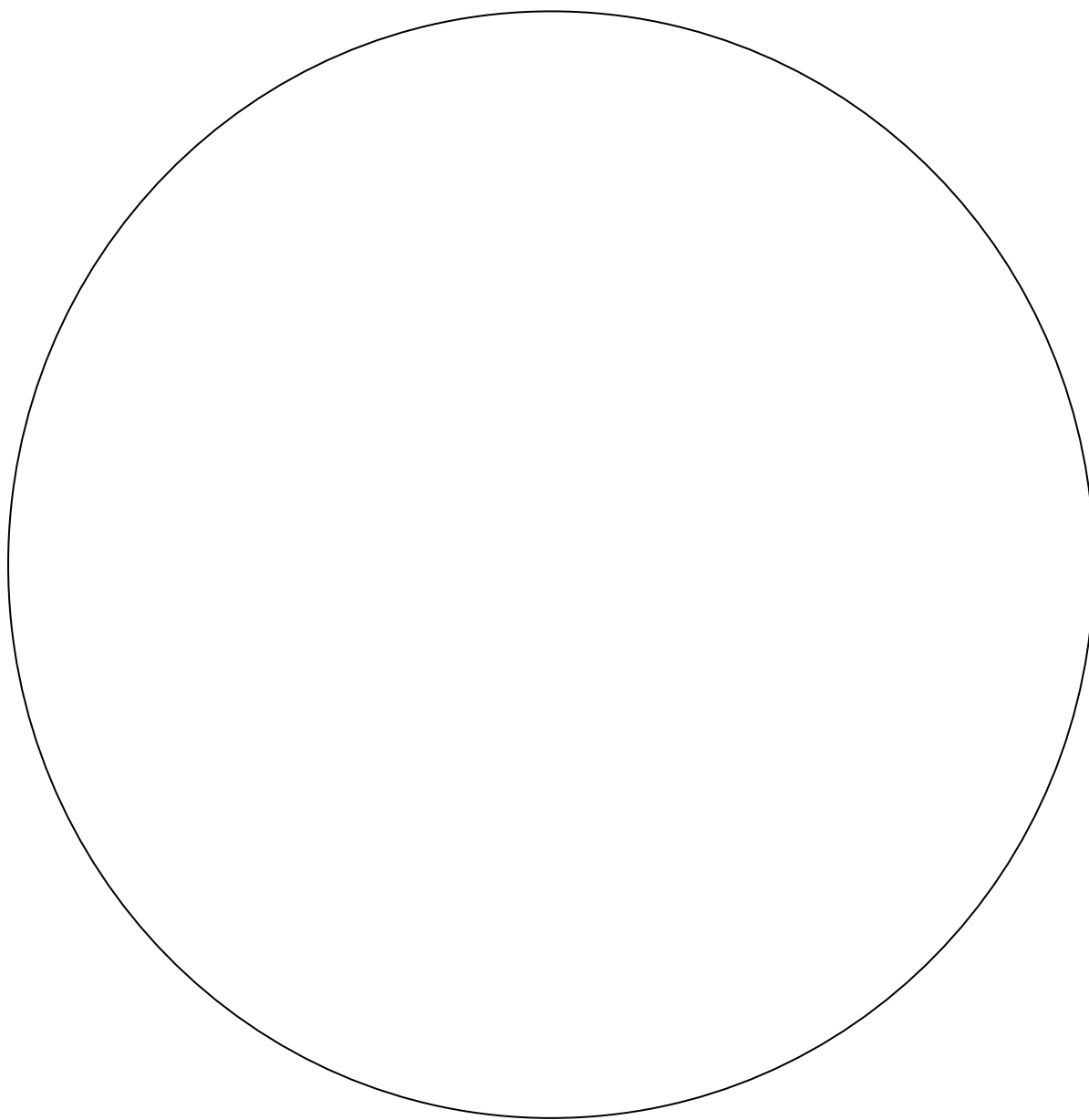


Figure Copying

Instructions: *“I’m going to give you some pages with designs on them. I’d like you to copy these designs. Copy them here (hold the pages on the long side, and point to the bottom half of the first page). There are 3 pages of designs for you to copy.”*

Interviewer:

1. Give the subject a pencil (or a pen). Allow the subject to erase if he/she desires; however, if he/she continues to erase, assure the subject that the figure looks fine and continue with the examination. If the subject wishes to try a drawing again, ask him to make a second drawing to the side of the first. In this case, score the second drawing.
2. If the subject stops after the first page, prompt him to continue to the other pages.
3. Give the subject one or two minutes to complete the drawing of each figure. If the subject has not started to draw the figure in one minute, reassure him, and turn to the next one. If the subject cannot draw 3 figures in a row, discontinue the test.

FC1_2YR - FC9_2YR, FC_SUM_2YR

