

Formats and Labels for Variables in Table 1

Variables	Format	Format Definition	Label
Demographic Information (updated)			
ADAGEND	GEND	0: Male ; 1: Female	3. What is your gender
AGE2			age at exam 2
EXAM_DAYS			study days between Exam 1 and Exam 2
SARTRAD	SARTRAD	1: Hindu ; 2: Muslim ; 3: Jain ; 4: Sikh ; 5: Other (other, zoro, chri, juda, budd) ; 6: Multiple selections ; 7: None	South Asian religious tradition
PER_CAPITA_INCOME2			per capita income (uses the midpoint of the salary range per category divided by the number of people supported by that income), unit = \$10K, @Ex2, different category from Ex1
Physical Exam measurements:			
BMI			Body Mass Index (kg/m ²)
BMIASIANCAT	BMIASIAN	~Normal: Less than 23 ; Overweight: 23-<27.5 ; Obese: 27.5 or more	BMI Categorical (Asian)
BMICAT	BMICAT	~Normal: Less than 25 ; Overweight: 25-<30 ; Obese: 30 or more	BMI Categorical
HEIGHTM			Height (m)
HEIGHTM2			Height (m), using Exam 1 is Exam 2 is missing
WEIGHTKG			Weight (kg)
WHR			Waist-Hip Ratio
WAISTCM			Waist circumference (cm)
HIPCM			Hip Girth (cm)
SYSTOLIC			Systolic blood pressure (mmHg)
DIASTOLIC			Diastolic blood pressure (mmHg)

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Lifestyle Behaviors:			
SMOKECAT	CIG1C	0:NEVER ; 1:FORMER ; 2:CURRENT	CIGARETTE SMOKING STATUS
SMOKE			Current smoking
SMOKEYEAR			years of smoking
TOBACCPACKYEAR			tobacco pack-year consumption
ALCOHOL			Alcohol (1+ Drinks/week)
ALCCATEG	ALC3F	0:NO CONSUMPTION ; 1:1-7 DRINKS/WK ; 2:>7 DRINKS/WK	CURRENT ALCOHOL CONSUMPTION CATEGORY
EXTVMIN			TV watching (min/week)
EXERCISE			Exercise--Metabolic Equivalent of Task (MET) Minutes
EXERCISER			Rank for Variable Exercise
EXERCISE_MESA			exercise harmonized in MESA
MPPAMET			Physical activity MET min/wk
MODERATE_PA			Moderate physical activity
VIGOROUS_PA			Vigorous physical activity
MODVIG_PA			Moderate/Vigorous physical activity
ANYVIGOROUSPA	YESNO	0: ~No ; 1: Yes	any vigorous physical activity
DAYSVIGOROUSPA			Days per week spent doing any vigorous activity
HOURSVIGOROUSPA			Hours per day doing vigorous PA
MPGENMET			General activities MET min/wk
MPWRMET			Occupation-paid work MET min/wk
MPVOMET			Volunteer activity MET min/wk
PA_GBD	PA_GBD	0: <600 MET-min/week ; 1: 600 to <4,000 ; 2: 4,000 to <8,000 ; 3: >=8,000	physical activity with GBD categories, inactive, low, mod, high activity

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Calculated risk factors:			
DIABCATQV2	DIABCAT	0: ~Normal ; 1: Pre-diabetes (IFG) ; 2: Diabetes	DM class with fasting plasma or serum glucose (MESA)
DIABETESCAT4QV2	DIABETES	0: Normal ; 1: Pre-diabetes ; 2: Lab DM ; 3: Known DM	DM class per meds/fasting glucose (100/126), 4 groups (plasma or serum glucose used)
DMGROUPQMV2	DMGROUPQ	0: Normal ; 1: IGT Only ; 2: IFG Only ; 3: IGT and IFG ; 4: DM-Quest ; 5: DM-Meds	Glucose tolerance categories, make missing those with no OGTT without DM med at Exam 2
DMGROUPQ3V2	DIABCATF	0: ~Normal ; 1: Pre-diabetes (IFG and/or IGT) ; 2: Diabetes	Glucose tolerance with plasma glucose or serum glucose if missing plasma values — best choice
DMGROUPQ3V2_NEW	DIABCATF	0: ~Normal ; 1: Pre-diabetes (IFG and/or IGT) ; 2: Diabetes	DMGROUPQ3v2+Hba1c, using fasting glucose, 2-hr glucose, and HbA1c by ADA criteria
INCIDENTDM	INCIDENTDM	0: No ; 1: Yes ; 8: prevalent diabetes	Incident diabetes
INCIDENTDM_NEW	INCIDENTDM	0: No ; 1: Yes ; 8: prevalent diabetes	Incident diabetes, using fasting glucose, 2-hr glucose, and HbA1c by ADA criteria
HYPERTENSION	YN	0: No ; 1: Yes ; 8: Donot know	Hypertension, >=140/90, on med
HYPERTENSION2	YN	0: No ; 1: Yes ; 8: Donot know	Hypertension (NCEP criterion), >=130/85, on med
INCIDENTHTN	INCIDENTHTN	0: No ; 1: Yes ; 8: prevalent hypertension	Incident hypertension
METSYN2	YESNO	0: ~No ; 1: Yes	Metabolic Syndrome using 102 cm cutpoint for male waist
DM_MEDCH	YESNO	0: ~No ; 1: Yes	Diabetes medication use (new case)
Medication inventory categories:			
ANTIDEP_MED			Antidepressant medication use
ANYCHOLMED			Any chol med
CHOLMED			Any use of statin, fibrate, niacin, ezetimibe or colesevelam
DM_MED			Diabetes medication use
STATIN_MED			Statin medication use

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ASAMED			Aspirin
HTN_MED			Hypertension medication use
HTNMED2	YESNO	0: ~No ; 1: Yes	2 or more HTN meds
INSULIN_MED			Insulin medication use
MEDANTD_SNRI			SNRIs/Other antidepressants: Wellbutrin, Effexor, Remeron, Cymbalta, veniafaxine, bupropion, Effexor, VENLAFAXINE, trazodone, trileptal
MEDANTD_SSRI			SSRIs: Celexa, Lexapro, Prozac, Paxil, Zoloft, Luvox, fluoxetine, citalopram, ESCITALOPRAM, SERTRALINE
MEDANTD_TRC			Tricyclics: amitriptyline, nortriptyline, imipramine, Clomipramine, ELAVIL
MEDANTE_TRAN			Minor tranquilizers: Valium, alprazolam, lorazepam
METFORMIN_DM_MED			Metformin medication use
NONINSULIN_DM_MED			Non-Insulin diabetes medication use
FIBRATENIACIN_MED			Fibrate Niacin medication use
ACEI_ARB			ACEI/ARB
Laboratory data:			
MVACAL		Quest lab	Calcium result
MVACRE		Quest lab	Creatinine (mg/dL) result
MVAGLU		Quest lab	serum glucose (Quest)
MVAHBA		Quest lab	HbA1c (%)
MVASOD		Quest lab	Sodium result
MVBALB		Quest lab	Albumin result
MVBALK		Quest lab	Alkaline Phosphatase result
MVBALT		Quest lab	ALT result
MVBAST		Quest lab	AST result

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MVBBIL		Quest lab	Bilirubin, Total result
MVBCHL		Quest lab	Chloride result
MVBCO2		Quest lab	CO2 result
MVBGLO		Quest lab	Globulin result
MVBLDH		Quest lab	LDH result
MVBPHO		Quest lab	Phosphorus result
MVBPOT		Quest lab	Potassium result
MVBPRO		Quest lab	Protein, Total result
MVBURI		Quest lab	Uric Acid result
MVCCHO		Quest lab	Cholesterol/HDL Ratio result
MVCGGT		Quest lab	GGT result
MVCHDL		Quest lab	HDL-cholesterol (mg/dl)
MVCLDL		Quest lab	LDL-cholesterol (mg/dl)
MVCTCH		Quest lab	Total Cholesterol (mg/dl)
MVCTRI		Quest lab	Triglycerides (mg/dl)
PLASMA_GLUKOSE_0		Univ Vermont lab	fasting glucose, plasma
PLASMA_GLUKOSE_01		Univ Vermont lab	fasting glucose (round to a whole number)
PLASMA_GLUKOSE_120		Univ Vermont lab	2hr glucose
PLASMA_GLUKOSE_1201		Univ Vermont lab	=2hr glucose (round to a whole number)
Cardiac CT scan measures:			
CAC			CAC score (unadjusted)
CACCAT	CAC	0: Zero score ; 1-10 ; 11-100 ; 101-500 ; 501-1,000 ; >1,000	CAC score category
LNCAC			Ln(Cac + 1)
ANYCAC	YESNO	0: ~No ; 1: Yes	ANY CAC, CAC Score>0
CACCAT3	CACCAT3F	1:CAC SCORE 0 ; 2:CAC SCORE 1-400 ; 3:CAC SCORE >400	CAC 3 CATEGORIES
CACCAT4	CACCAT4F	1:CAC SCORE 0 ; 2:CAC SCORE 1-99 ; 3: 2:CAC SCORE 100-399 ; 4: 3:CAC SCORE >400	CAC 4 CATEGORIES

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Variables	Format	Format Definition	Label
CACCAT6	CACCAT6F	1:CAC SCORE 0 ; 2:CAC SCORE 1-10 ; 3:CAC SCORE 11-100 ; 4:CAC SCORE 101-400 ; 5:CAC SCORE 401-1000 ; 6:CAC SCORE >1000	CAC 6 CATEGORIES
CAC_ASA_AGATSTON		Ascending Aorta Agatston score	ASA_Agatston
CAC_ASA_VOLUME		Ascending Aorta calcium volume	ASA_Volume
CAC_AVC_AGATSTON		Aortic valve Agatston score	AVC_Agatston
CAC_AVC_VOLUME		Aortic valve	AVC_Volume
CAC_AVRING_AGATSTON		Aortic valve ring Agatston score	AVRING_Agatston
CAC_AVRING_VOLUME		Aortic valve ring	AVRING_Volume
CAC_DSA_AGATSTON		Descending aorta Agatston score	DSA_Agatston
CAC_DSA_VOLUME			DSA_Volume
CAC_LAD_AGATSTON		LAD Agatston score	LAD_Agatston
CAC_LAD_VOLUME			LAD_Volume
CAC_LCX_AGATSTON		Left circumflex Agatston score	LCX_Agatston
CAC_LCX_VOLUME			LCX_Volume
CAC_LM_AGATSTON		Left Main Agatston score	LM_Agatston
CAC_LM_VOLUME			LM_Volume
CAC_MVC_AGATSTON		MV circumflex Agatston score	MVC_Agatston
CAC_MVC_VOLUME			MVC_Volume
CAC_RCA_AGATSTON		Right coronary artery Agatston score	RCA_Agatston
CAC_RCA_VOLUME			RCA_Volume
CAC_TOTAL_CAC_AGATSTON			Total CAC score (Agatston units)
CAC_TOTAL_CAC_VOLUME			Total CAC volume
CAC_TOTAL_TAC_AGATSTON		Thoracic aorta calcification	Thoracic Aortic Calcification (Agatston units)
CAC_TOTAL_TAC_VOLUME			CAC_Total_TAC_Volume
ANYAVC		Any aortic valve calcium	Any AVC

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Psychological measures:			
SF12_PCS		SF-12 physical health measure	SF12 PCS
SF12_MCS		SF-12 mental health measure	SF12 MCS
CTQ_EMOTIONAL_ABUSE_C	CTQ_CAT	1: none ; 2: low ; 3: moderate ; 4: severe	category CTQ emotional abuse
CTQ_EMOTIONAL_NEGLECT_C	CTQ_CAT	1: none ; 2: low ; 3: moderate ; 4: severe	category CTQ emotional neglect
CTQ_PHYSICAL_NEGLECT_C	CTQ_CAT	1: none ; 2: low ; 3: moderate ; 4: severe	category CTQ physical neglect
CTQ_SCORE_RAW		Childhood Trauma Questionnaire (continuous score)	CTQ score
CTS2_BWHS_11		Conflict Tactics Scale from Black Women's Health Study	CTS2 score under 11
CTS2_BWHS_18		Conflict Tactics Scale from Black Women's Health Study	CTS2 score under 12-18
CTS2_BWHS_B	CTS2_B	0: no ; 1: yes	binary CTS2 childhood abuse variable<18
CTS2_BWHS_C	CTS2_C	0: no abuse ; 1: low abuse at one timepoint ; 2: moderate abuse at one timepoint ; 3: severe abuse at one timepoint ; 4: severe abuse at both timepoint	categorical CTS2 childhood abuse variable<18
DEPRESS_SCOREV2		Mental Health Inventory depression screener	MHI3 depression score (0-100)
DEPRESS_SYMV2	DEPRESS_SYM	0: no depression symptom ; 1: depression symptom	category MHI3 depression symptom
NGAHEALTH			1. Describe Health 1 to 10
SELFRATEDHEALTH	SELFRATEDHEALTH	1: poor-fair ; 2: good-excellent	Selfrated Health: 1-6 vs. 7-10
Dietary variables from SHARE FFQ:			
CALORIES		Total caloric intake (continuous)	FFQ Nutr: Total energy (kCals)
AHEI_SCORE_I		AHEI-2010 score (by Luis Rodriguez) –use if combining with Exam 2	AHEI-2010 component score (including brown rice and quinoa)
CAL_PERDAY_I			FFQ Nutr: Total energy (kCals) (including brown rice and quinoa)
CALS_DAY_I			total energy intake, kcal/day (including brown rice and quinoa)
AHEI_SCORE_E		AHEI-2010 score (by Luis Rodriguez) –use if combining with Exam 1	AHEI-2010 component score (not including brown rice and quinoa)
CAL_PERDAY_E			FFQ Nutr: Total energy (kCals) (not including brown rice and quinoa)

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EAANIMPRO			FFQ energy adjusted animal protein (g)
EACARB			FFQ energy adjusted carbohydrate (g)
EACHOL			FFQ energy adjusted cholesterol (Mg)
EAGL			FFQ energy adjusted glycemic load (g)
EAIFIBER			FFQ energy adjusted insoluble fiber (g)
EAMFAT			FFQ energy adjusted mono fat (g)
EAPFAT			FFQ energy adjusted poly fat (g)
EAPROT			FFQ energy adjusted protein (g)
EASFAT			FFQ energy adjusted saturated fat (g)
EASFIBER			FFQ energy adjusted soluble fiber (g)
EASUGAR			FFQ energy adjusted sugar (g)
EATFAT			FFQ energy adjusted total fat (g)
EATFIBER			FFQ energy adjusted total fiber (g)
EATRANS			FFQ energy adjusted trans fat (g)
EAVEGPRO			FFQ energy adjusted vegetable protein (g)
DASH		DASH Diet score (by Bridget Hussain Murphy)	DASH Diet Concordance Score (Range 8-40)
DAIRY_TOT			Daily servings dairy
DAIRY5			5 Quintiles of dairy_tot
FRUIT_TOT			Medium servings of fruit/day
FRUIT5			5 Quintiles of fruit_tot
GRAINS_TOT			Medium servings of whole grains/day
GRAINS5			5 Quintiles of grains_tot
LEGUMES_TOT			Daily servings legumes
LEGUMES5			5 Quintiles of legumes_tot
MEAT_TOT			Daily servings meat
MEAT5			5 Quintiles of meat_tot (reverse scoring)
SODIUM			FFQ Nutr: Sodum
SODIUM5			5 Quintiles of sodium (reverse scoring)

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SSB_TOT			Daily servings Sugar Sweetened Beverages
SSB5			5 Quintiles of ssb_tot (reverse scoring)
VEGETABLE_TOT			Medium servings of vegetables/day
VEG5			5 Quintiles of veg_tot
Calculated risk scores:			
ASCVD10Y			10YR RISK OF ASCVD USING POOLED COHRT EQ
ASCVDHI	YESNO	0: ~No ; 1: Yes	HIGH 10-YR RISK OF ASCVD ($\geq 7.5\%$)
FRCHD10Y			FRAMINGHAM 10-YR RISK OF CHD,NCEP (MESA)
FRCHDCAT	FRRISKF	1:LOW RISK (<10%) ; 2:INTERMEDIATE RISK (10%-20%) ; 3:HIG RISK (>20% OR DM)	FRAMINGHAM 10-YR RISK OF CHD CATEGORY
FRS_P			FRAMINGHAM RISK SCORE (MESA)
EGFRCKDEPISINGLE			EGFR using the CKD equation
EGFRCKDEPISINGLECAT	EGFR	0 - 45 ; 45 - 60 ; > 60	EGFR using the CKD equation
EGFRMDRD			EGFR using the MDRD equation
EGFRMDRDCAT	EGFR	0 - 45 ; 45 - 60 ; > 60	EGFR using the MDRD equation
CKD	CKD	0: <30 ; 1: 30-45 ; 2: 45-60 ; 3: 60-90 ; 4: >90	CKD stage
CKD_EPI			CKD-EPI
LS7		Life's Simple 7 score (derived by Sameera Talegawkar and Yichen Jin)	LS7 composite score (ideal, intermediate or poor)
LS7CAT	LS7CAT	1: poor ; 2: intermediate ; 3: ideal	cumulative LS7 categories (poor, intermediate, ideal)
LS7_ASIAN			LS7 composite score (ideal, intermediate or poor) with Asian BMI cut-points
LS7_ASIANCAT	LS7CAT	1: poor ; 2: intermediate ; 3: ideal	cumulative LS7 categories (poor, intermediate, ideal) with Asian BMI cut-points

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Personal history update questions:			
PH1LHOME	PHCH	0: Only a South Asian language ; 1: More a South sian Language than English ; 2: Both Languages equally ; 3: More English than a South Asian Language ; 4: Only English ; 5: Refuse/DK/NA	3a. Language speak at home
PH1LREAD	PHCH	0: Only a South Asian language ; 1: More a South sian Language than English ; 2: Both Languages equally ; 3: More English than a South Asian Language ; 4: Only English ; 5: Refuse/DK/NA	3b. Language prefer to read
PH1LWATCH	PHCH	0: Only a South Asian language ; 1: More a South sian Language than English ; 2: Both Languages equally ; 3: More English than a South Asian Language ; 4: Only English ; 5: Refuse/DK/NA	3c. Language prefer to watch TV
PH1NDAUS			2. How many living daughters do you have?
PH1NSONS			1. How many living sons do you have?
PZ2EDUCT	EDUCT	0: No schooling ; 1: Grades 1-8 ; 2: Grades 9-11 ; 3: High school deress or GED ; 4: Some college or vocational school ; 5: College graduate or higher ; 6: Don't know / not applicable	5c. Highest grade/level education - Other primary caretaker
PZ2EDUFA	EDUCT	0: No schooling ; 1: Grades 1-8 ; 2: Grades 9-11 ; 3: High school deress or GED ; 4: Some college or vocational school ; 5: College graduate or higher ; 6: Don't know / not applicable	5b. Highest grade/level education - Father
PZ2EDUMO	EDUCT	0: No schooling ; 1: Grades 1-8 ; 2: Grades 9-11 ; 3: High school deress or GED ; 4: Some college or vocational school ; 5: College graduate or higher ; 6: Don't know / not applicable	5a. Highest grade/level education - Mother
SZ1CONRS	CONR	0: Very ; 1: Moderately ; 2: Slightly ; 3: Not at all	4. What extent do you consider yourself religious/spiritual
SZ2RPAGN	BUBONE		5. Religious preference - Agnostic
SZ2RPATH	BUBONE		5. Religious preference - Atheist
SZ2RPBUD	BUBONE		5. Religious preference - Buddhist
SZ2RPCAT	BUBONE		5. Religious preference - Catholic
SZ2RPDEN	BUBONE		5. Religious preference - Denomination
SZ2RPHIN	BUBONE		5. Religious preference - Hindu
SZ2RPJAI	BUBONE		5. Religious preference - Jain
SZ2RPJEW	BUBONE		5. Religious preference - Jewish
SZ2RPMUS	BUBONE		5. Religious preference - Muslim

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SZ2RPNON	BUBONE		5. Religious preference - I do not belong to any religion
SZ2RPOTH	BUBONE		5. Religious preference - Other
SZ2RPPRO	BUBONE		5. Religious preference - Protestant
SZ2RPSIK	BUBONE		5. Religious preference - Sikh
SZ2RPZOR	BUBONE		5. Religious preference - Zoroastrian
Change in measures between Exam 2 and Exam 1:			
HEIGHTMCH			HEIGHTMch
EXERCISECH			Change in Exercise, MET-min/week
BMICH			Change in BMI, kg/m ²
WAISTCMCH			Change in waist circumference
SYSTOLICCH			Change in Systolic blood pressure, mmHg
DIASTOLICCH			Change in Diastolic blood pressure, mmHg
QGLUCOSE0CH			Change in Fasting glucose, mmol/L
MVCTCHCH			Change in Total cholesterol, mg/dL
MVCLDLCH			Change in LDL-cholesterol, mmol/L
MVCHDLCH			Change in HDL-cholesterol, mmol/L
MVCTRICH			Change in Triglycerides, mmol/L