

Formats and Labels for Variables in Table 1

Variables	Format	Format Definition	Label
Demographic information:			
ADAGEND	GEND	0: Male ; 1: Female ; -1: Both	3. What is your gender
AGE			Age, years
SITE			STUDY SITE
ADABORN10	BIRTHP10F	0: Bangladesh ; 1: India ; 2: Nepal ; 3: Pakistan ; 4: Sri Lanka ; 5: United States ; 6: Sub-Saharan Africa ; 7: Fiji Islands ; 8: Burma ; 9: other Diaspora country	Birthplace
INDIAN	INDIAN	1: North ; 2: South ; 3: Unknown Indian state or not born in India	Geographic area of India: 1. North Indian, 2. South Indian, 3. Unknown
RELIGIOUSAFF	Religious affiliation	1=Hinduism; 2=Sikhism; 3=Islam; 4=Jainism; 5=Christianity; 6=Other (Buddhism, Zoroastrianism); 7=multiple; 8=none	Religious affiliation
ADBEDUC	EDUC	0-3: <= High school ; 4-6: < Bachelor's degree ; 7: = Bachelor's degree ; 8: > Bachelor's degree	Education
BACHELORS	YESNO	0: ~No ; 1: Yes	Bachelor's Degree or higher
MPCINCO	MPCINCO	0: Less than \$5,000 ; 1: \$5,000 - \$7,999 ; 2: \$8,000 - \$11,999 ; 3: \$12,000 - \$15,999 ; 4: \$16,000 - \$19,999 ; 5: \$20,000 - \$24,999 ; 6: \$25,000 - \$29,999 ; 7: \$30,000 - \$34,999 ; 8: \$35,000 - \$39,999	10. Income
INCCAT	INCCAT	1: <\$40k ; 2: \$40-75k ; 3: \$75-100k ; 4: >100k	Income Category
INCOME75	YESNO	0: ~No ; 1: Yes	Family income >= \$75,000
SES	SES	0: Income <\$100,000 ; 1: Income \$100,000 - \$200,00 ; 2: Income >=\$200,000	tertiles of family income
PER_CAPITA_INCOME			per capita income (uses the midpoint of the salary range per category divided by the number of people supported by that income), unit = \$10K
ANYINSURANCE			Any medical insurance
MPBMSTA	MPBMSTA	0: Married ; 1: Living as married ; 2: Living with partner ; 3: Separated ; 4: Widowed ; 5: Single ; 6: Divorced ; R: Refused	5. What is your marital status
MARITAL	MARITAL	0: married or living as married or living with part ; 1: separated or divorced ; 2: widowed ; 3: single ; 4: refused	Marital status
CURRENTOCCUPATION	CURRENTOCCUPATION	0: not working (outside of household work) ; 1: employed fulltime ; 2: employed part-time ; 3: unemployed (or laid off) ; 4: retired	Current occupation
PRECHD	YESNO	0: ~No ; 1: Yes	prevalent CHD at baseline (pilot study ppts)

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HXMI	YESNO	0: ~No ; 1: Yes	first degree relative with history of heart attack
PM	YESNO	0: ~No ; 1: Yes	post-menopausal
Physical Exam Measurements:			
BMI			Body Mass Index (kg/m ²)
BMICAT	BMICAT	~Normal: Less than 25 ; Overweight: 25-<30 ; Obese: 30 or more	BMI Categorical
BMIASIANCAT	BMIASIAN	~Normal: Less than 23 ; Overweight: 23-<27.5 ; Obese: 27.5 or more	BMI Categorical (Asian)
HEIGHTM			Height (m)
WEIGHTKG			Weight (kg)
WAISTCM			Waist circumference (cm)
HIPCM			Hip Girth (cm)
WHR			Waist-Hip Ratio
SYSTOLIC			Systolic blood pressure (mmHg)
DIASTOLIC			Diastolic blood pressure (mmHg)
ABI			Ankle brachial index
ABICAT	ABICAT	1: ABI <0.9 ; 2: ABI 0.9 – 1.4 ; 3: ABI >1.4	ABI category
Lifestyle Behaviors:			
SMOKECAT	CIG1C	0:NEVER ; 1:FORMER ; 2:CURRENT	CIGARETTE SMOKING STATUS
TOBACCPACKYEAR			tobacco pack-year consumption
SMOKEYEAR			years of smoking
ALCOHOL	YESNO	0: ~No ; 1: Yes	Alcohol (1+ Drinks/week)
ALCCATEG	ALC3F	0:NO CONSUMPTION ; 1:1-7 DRINKS/WK ; 2:>7 DRINKS/WK	Current alcohol use category
MTBCUNUM			15. Usual number of drinks per week
EXERCISE			Exercise (MET-min/week)
EXERCISER			Rank for Variable Exercise
EXERCISE_MESA			exercise harmonized in MESA
MPPAMET			Physical activity MET min/wk

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MPAMINWK			moderate physical activity minutes per week
VPAMINWK			vigorous physical activity minutes per week
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/week spent doing any vigorous activity
HOURSVIGOROUSPA			Hours per day doing vigorous PA
EXTVMIN			TV watching (min/week)
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
WALKSCORE			Walk Score
TRANSITSCORE			Transit score
BIKESCORE			Bike Score
Acculturation variables:			
HINDIURDU	YESNO	0: ~No ; 1: Yes	Clinical exam performed in Hindi/Urdu
MPAENG3	HOWWELLF	1:Not at all/Poorly ; 2:Fairly Well ; 3:Well/Very Well	1. How well do you speak English
ADAUSY			Years lived in U.S.
ADAUSYC	ADAUSYCF	1:0-10 YRS ; 2:>10-20 YRS ; 3:>20-30 YRS ; 4:>30-40 YRS ; 5:>40 YRS	Years lived in U.S.
ADAUSPER			Percent of life lived in U.S.
ADAUSPCC	ADAUSPCF	1:0-20% ; 2:>20-40% ; 3:>40-60% ; 4:>60-80% ; 5:>80-100%	Percent of life lived in U.S.
ACAFASTO	ACAFASTO	1: Two or three times per week ; 2: About once a week ; 3: About once or twice per month ; 4: Less than once a month ; 5: Once a year for a specific period ; 6: Almost never or never	2. How often do you fast

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ACAFOODH	ACAFOODH	1: Only South Asian food ; 2: Mostly South Asian food ; 3: Equally South Asian and Other ; 4: Mostly Other food ; 5: Only Other food ; 6: Never eat at home	3. What food do you normally or usually eat at home
ACBFOODR	ACBFOODR	1: Only South Asian food ; 2: Mostly South Asian food ; 3: Equally South Asian and Other ; 4: Mostly Other food ; 5: Only Other food ; 6: Never eat at restaurant	4. What food do you normally or usually eat in restaurants
ACBEATOUT	ACBEAT	1: 2 or 3 times a week ; 2: Once a week ; 3: Less than once a week	5. How many times in a week do you eat out
ACBSHOP	ACAFASTO	1: Two or three times per week ; 2: About once a week ; 3: About once or twice per month ; 4: Less than once a month ; 5: Once a year for a specific period ; 6: Almost never or never	6. How often does your family shop South Asian grocery
ACBFRIENDS	FRIENDS	1: Only South Asian ; 2: Mostly South Asian ; 3: Equally South Asian and Other ; 4: Mostly Other ; 5: Only Other	7. Which country/culture friends belong to
SUMCULTURALTRAD			Sum of Traditional cultural beliefs
SUMCULTURALTRADC	CTC	1: 0-8 Most/All of the time ; 2: 9-18 Some of the time ; 3: 19-28 None/A little of the time	Sum of cultural traditions measures (categories)
CLASS_NEW	CLASS_P	1: Assimilation ; 2: Separation ; 3: Integration	Acculturation Class Predicted by LCA model (new, more comprehensive) updated in 2019
P1_NEW			Probability of the subject being in Class 1: Assimilation (new, more comprehensive) updated in 2019
P2_NEW			Probability of the subject being in Class 1: Separation (new, more comprehensive) updated in 2019
P3_NEW			Probability of the subject being in Class 1: Integration (new, more comprehensive) updated in 2019
Calculated risk factor measures:			
DIABCATQV1	DIABCAT	0: ~Normal ; 1: Pre-diabetes (IFG) ; 2: Diabetes	DM class with fasting plasma or serum glucose (MESA)
DIABETESCAT4QV1	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)

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DMGROUPQMV1	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 1
DMGROUPQ3V1	DIABCATF	0: ~Normal ; 1: Pre-diabetes (IFG and/or IGT) ; 2: Diabetes	Glucose tolerance with plasma glucose or serum glucose (5 people) — best choice
DMGROUPQ3V1_NEW	DIABCATF	0: ~Normal ; 1: Pre-diabetes (IFG and/or IGT) ; 2: Diabetes	DMGROUPQ3v1+HbA1c, using fasting glucose, 2-hr glucose, and HbA1c by ADA criteria
DMDURATION			has had duration of known diabetes diagnosis (years): if dmgroupq3v1 not DM then missing, if dmgroupq3v1=DM and AMBDIAGE then zero
DIABFAMILYHX	YESNO	0: ~No ; 1: Yes	Family History of Diabetes (Parents and Siblings)
FMDM	YESNO	0: ~No ; 1: Yes	Family History of Diabetes (Any First Degree Biological Relatives: Father, Mother, Siblings, Children)
AMCDIAP	YESNO	0: ~No ; 1: Yes	13. Gestational diabetes
HYPERTENSION	YN	0 No ; 1 Yes	hypertension, >=140/90, on med
HYPERTENSION2	YN	0 No ; 1 Yes	hypertension (NCEP criterion), >=130/85, on med
METSYN2	YESNO	0: ~No ; 1: Yes	Metabolic Syndrome using 102 cm cutpoint for male waist
Medication inventory categories:			
DM_MED	YESNO	0: ~No ; 1: Yes	Diabetes medication use
INSULIN_MED	YESNO	0: ~No ; 1: Yes	Insulin medication use
NONINSULIN_DM_MED	YESNO	0: ~No ; 1: Yes	Non-Insulin diabetes medication use
METFORMIN_DM_MED	YESNO	0: ~No ; 1: Yes	Metformin medication use
HTN_MED	YESNO	0: ~No ; 1: Yes	Hypertension medication use
HTNMED2	YESNO	0: ~No ; 1: Yes	2 or more HTN meds
STATIN_MED	YESNO	0: ~No ; 1: Yes	Statin medication use

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FIBRATENIACIN_MED	YESNO	0: ~No ; 1: Yes	Fibrate Niacin medication use
ANTIDEP_MED	YESNO	0: ~No ; 1: Yes	Antidepressant medication use
ACEI_ARB	YESNO	0: ~No ; 1: Yes	ACEI/ARB
CHOLMED	YESNO	0: ~No ; 1: Yes	any use of statin, fibrate, niacin, ezetimibe or colessevelam
ASAMED	YESNO	0: ~No ; 1: Yes	Aspirin
ANYCHOLMED	YESNO	0: ~No ; 1: Yes	Any chol med
MEDANTD_SSRI	YESNO	0: ~No ; 1: Yes	SSRIs: Celexa, Lexapro, Prozac, Paxil, Zoloft, Luvox, fluoxetine, citalopram, ESCITALOPRAM, SERTRALINE
MEDANTD_TRC	YESNO	0: ~No ; 1: Yes	Tricyclics: amitriptyline, nortriptyline, imipramine, Clomipramine, ELAVIL
MEDANTD_SNRI	YESNO	0: ~No ; 1: Yes	SNRIs/Other antidepressants: Wellbutrin, Effexor, Remeron, Cymbalta, venlafaxine, bupropion, Effexor, VENLAFAXINE, trazodone, trileptal
MEDANTE_TRAN	YESNO	0: ~No ; 1: Yes	Minor tranquilizers: Valium, alprazolam, lorazepam
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
MVBBIL		Quest lab	Bilirubin, Total result

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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)
UALBUMIN		Univ Vermont lab	Urine Albumin mg/dL
UCREATININE		Univ Vermont lab	Urine Creatinine mg/dL
ACRATIO		Calculated Albumin-to-creatinine ratio	Urine AC Ratio (microalbuminuria)
ACRcategories		ACR Categories (<30, 30-300, >300)	Urine ACR categories
QGLUCOSE0		Quest lab	Quest Glucose (mg/dL)—Fasting plasma
QGLUCOSE120		Quest lab	Quest Glucose (mg/dL)--2 Hour plasma
INSULIN0		Univ Minnesota lab (harmonized to MESA)	Insulin (pmol/L)—Fasting serum
INSULIN120		Univ Minnesota lab (harmonized to MESA)	Insulin (pmol/L)--2 Hour serum
HOMAB		Calculated	HOMA-BETA
HOMAIR		Calculated	HOMA-IR
ISI		Calculated	insulin sensitivity index
IGRATIO		Calculated	EARLY INSULIN RESPONSE (pmol/mmol)
BETACELL		Calculated	BETA-CELL FUNCTION (ORAL DISPOSITION INDEX)

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PANELBINSULIN_PG_M L		Univ Vermont	PanelBinsulin_ (pg/mL) – Millipore multiplex
PANELBINSULIN_PMO L_SI		Univ Vermont	PanelBinsulin pmol/L (SI) – Millipore multiplex
PANELBINSULIN_UU_M L		Univ Vermont	PanelBinsulin uU/mL – Millipore multiplex
PANELBINSULIN_UG_L		Univ Vermont	PanelBinsulin ug/L – Millipore multiplex
TNF_A_PG_ML		Univ Vermont	TNF-a _pg/mL – Millipore multiplex
LEPTIN_PG_ML		Univ Vermont	Leptin_ pg/mL– Millipore multiplex
LPA		Univ of Minnesota (harmonized to MESA)	Lp(a) (mg/dL), if <10 using 9
CRP		Univ Vermont	CRP (ug/mL), 0 if CRP<0 and 90 if CRP>90
ADIPONECTIN		Univ Vermont	Adiponectin (mg/dL) – Millipore multiplex
RESISTIN_M		Univ Vermont	Resistin (mg/dL) – Millipore multiplex
TELOMERE_LENGTH		BWH lab	telomere length data (needs special approval)
Coronary Artery Calcium (CAC) and Carotid IMT:			
CACSCOREU			Unadjusted coronary artery calcium score
LNCACU			Ln(CacScoreU + 1)
LNCACUR			Rank for Variable LnCACU
CACVOLU			Unadjusted coronary artery calcium volume
DENSITYU			Unadj coronary artery calcium density
CACCATU	CAC	0: Zero score ; 1-10 ; 11-100 ; 101-500 ; 501-1,000 ; >1,000	Unadjusted CAC Score category
CACSCOREA			Adjusted coronary artery calcium score
LNCACA			Ln(CacScoreA + 1)
CACVOLA			Adjusted coronary artery calcium volume
CACCATA	CAC	0: Zero score ; 1-10 ; 11-100 ; 101-500 ; 501-1,000 ; >1,000	Adjusted CAC Score category
ANYCAC	YESNO	0: ~No ; 1: Yes	ANY CAC, ADJUSTED CAC Score>0
CACCAT3	CACCAT3F	1:CAC SCORE 0 ; 2:CAC SCORE 1-400 ; 3:CAC SCORE >400	ADJUSTED CAC 3 CATEGORIES

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Variables	Format	Format Definition	Label
CACCAT4	CACCAT4F	1:CAC SCORE 0 ; 2:CAC SCORE 1-99 ; 3: 2:CAC SCORE 100-399 ; 4: 3:CAC SCORE >400	ADJUSTED CAC 4 CATEGORIES
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	ADJUSTED CAC 6 CATEGORIES
DISTAL_CCA			Common carotid IMT, mm
ICA			Internal carotid IMT, mm
Ectopic fat and lean muscle from CT scans:			
AB_FATM			AB_fatm
SUBQ_FATM			Subcutaneous fat area (cm2)
VISC_FATM	BEST		Visceral fat area (cm2)
PSOAS_PARA_FATM			Back wall abdominal fat area combined (cm2)
OB_REC_FATM			Front wall abdominal fat area combined (cm2)
PSOAS_PARA_OB_REC_FATM	BEST		Total muscle fat area combined (cm2)
AB_LEANM			AB_leanm
SUBQ_LEANM			Subcutaneous lean muscle mass (cm2)
VISC_LEANM			Visceral lean muscle mass (cm2)
PSOAS_PARA_LEANM			Back wall lean mass area combined (cm2)
OB_REC_LEANM			Front wall lean mass area combined (cm2)
PSOAS_PARA_OB_REC_LEANM			Total lean mass area combined (cm2)
LIVERFAT_MEAN	BEST		liver fat attenuation (HU)
FATTY_LIVER	YESNO	0: ~No ; 1: Yes	Fatty liver (HU<40)
PERICARDIAL_FAT	BEST		Pericardial fat volume (cm3)

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Psychological measures:			
AMASCALE			Health scale (ordinal)
SELFRACTEDHEALTH	SELFRACTEDHEALTH	1: poor-fair ; 2: good-excellent	Selfrated Health: 1-6 vs. 7-10 (categories)
ANGER			Spielberger trait anger scale (10-40)
ANXIETY			Spielberger trait anxiety scale (10-40)
ANXIETYCAT	ANXIETY	0: <22 ; 1: >=22	Anxiety symptoms
BURDEN			Chronic burden (0-5)
BURDEN6M			Chronic burden for at least 6 months (0-5)
CESD			CES-D depression scale (0-60)
CESDCAT	DEPRESSION	0: <16 ; 1: >=16	CES-D depressive symptoms
SUPPORT			Emotional support index (6-30)
HASSLE			Everyday hassles (9-54), same as discrimination/unfair treatment
SUMSOCIALSUPPORT	SSS	0-9 None/A little of the time ; 10-16 Some of the time ; 17-24 Most/All of the time	Sum of social support measures
NEIGHBORHOOD_COHESION			neighborhood cohesion score
BERLINCATEGORY1	YESNO	0: ~No ; 1: Yes	Berlin Score Category 1: Two or more criteria met in items 1-5
BERLINCATEGORY2	YESNO	0: ~No ; 1: Yes	Berlin Score Category 2: Two or more criteria met in items 6-8
BERLINCATEGORY3	YESNO	0: ~No ; 1: Yes	Berlin Score Category 3: Item 10 or BMI > 30
BERLINHIGHRISK	YESNO	0: ~No ; 1: Yes	Berlin Score High: Two or more categories met
Dietary variables from SHARE FFQ:			
CALORIES			FFQ Nutr: Total energy (kCals)
DPATTERN	DPATTRNF	1:Western ; 2:Sweets and Refined Grains ; 3:Fruits and Vegetables	DIETARY PATTERN

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PRUDENT			Fruits, vegetable, nuts, legumes
RICEANDSWEET			Fried snacks, sweets, high-fat dairy
WESTERN			Animal protein
AHEI_SCORE	Dietary Quality		AHEI-2010 component score
DASH	DASH Diet score	(Range 8-40)	DASH Diet Concordance Score
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: Sodium (Mg)
SODIUM5			5 Quintiles of sodium (reverse scoring)
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
PERCENTCHO			% CARBOHYDRATES (% of total KCal)
PERCENTPROTEIN			% TOTAL PROTEIN (% of total KCal)
PERCENTFAT			% TOTAL FAT (% of total KCal)
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)

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EAI FIBER			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)
VEGETARIAN	YESNO	0: ~No ; 1: Yes	vegetarian diet: 0 intake for FFQ questions #63-80, 104, 116 and 120
VEG_1			green leafy vegetable consumption, servings/day
MEATPOUL			red meat, organ meat, poultry consumption, servings/day
EGGS			egg consumption, servings/day
MILKPROD			milk products, cheese, paneer, yogurts; no dessert items, servings/day
Calculated measures/scores:			
RISK_CAT			lifetime CVD risk category: 1=lowest, 4=highest
LIFETIME_RSK	LIFETIME_RSK	1: Low ; 2: High	lifetime CVD risk
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)

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FRCHDCAT	FRRISKF	1:LOW RISK (<10%) ; 2:INTERMEDIATE RISK (10%-20%) ; 3:HIGH RISK (>20% OR DM)	FRAMINGHAM 10-YR RISK OF CHD CATEGORY
PCPHF			PCP-HF 10-year predicted risk of HF
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_EPI			CKD-EPI
CKD	CKD	0: <30 ; 1: 30-45 ; 2: 45-60 ; 3: 60-90 ; 4: >90	CKD stage
LS7			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
Metabolomics data: (Imperial College/NPC): (need special permission)			
ABA1			ABA1 (-/-) 2.5%-97.5%: 0.3-1.07
H1A1			H1A1 (mg/dL) 2.5%-97.5%: 5.95-75.4
H1A2			H1A2 (mg/dL) 2.5%-97.5%: 0.77-8.31
H1CH			H1CH (mg/dL) 2.5%-97.5%: 6.1-46.07
H1FC			H1FC (mg/dL) 2.5%-97.5%: 1.45-11.96
H1PL			H1PL (mg/dL) 2.5%-97.5%: 7.67-57.17
H1TG			H1TG (mg/dL) 2.5%-97.5%: 1.4-11.96
H2A1			H2A1 (mg/dL) 2.5%-97.5%: 9.94-36.22
H2A2			H2A2 (mg/dL) 2.5%-97.5%: 1.88-7.78
H2CH			H2CH (mg/dL) 2.5%-97.5%: 3.98-15.58

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H2FC			H2FC (mg/dL) 2.5%-97.5%: 0.74-4.59
H2PL			H2PL (mg/dL) 2.5%-97.5%: 7.4-26.82
H2TG			H2TG (mg/dL) 2.5%-97.5%: 0.98-5.47
H3A1			H3A1 (mg/dL) 2.5%-97.5%: 18.26-47.09
H3A2			H3A2 (mg/dL) 2.5%-97.5%: 4.85-11.84
H3CH			H3CH (mg/dL) 2.5%-97.5%: 6.82-18.79
H3FC			H3FC (mg/dL) 2.5%-97.5%: 1.25-5.27
H3PL			H3PL (mg/dL) 2.5%-97.5%: 12.03-31.53
H3TG			H3TG (mg/dL) 2.5%-97.5%: 1.3-5.49
H4A1			H4A1 (mg/dL) 2.5%-97.5%: 56.03-110.49
H4A2			H4A2 (mg/dL) 2.5%-97.5%: 12.02-29.58
H4CH			H4CH (mg/dL) 2.5%-97.5%: 10.64-30.26
H4FC			H4FC (mg/dL) 2.5%-97.5%: 2.13-8.54
H4PL			H4PL (mg/dL) 2.5%-97.5%: 19.75-43.53
H4TG			H4TG (mg/dL) 2.5%-97.5%: 1.94-8.49
HDA1			HDA1 (mg/dL) 2.5%-97.5%: 110.04-222.02
HDA2			HDA2 (mg/dL) 2.5%-97.5%: 24.86-47.99
HDCH			HDCH (mg/dL) 2.5%-97.5%: 34.6-96.25
HDFC			HDFC (mg/dL) 2.5%-97.5%: 6.98-27.05
HDPL			HDPL (mg/dL) 2.5%-97.5%: 56.5-135.93
HDTG			HDTG (mg/dL) 2.5%-97.5%: 7.29-28.58
IDAB			IDAB (mg/dL) 2.5%-97.5%: 1.98-17.4
IDCH			IDCH (mg/dL) 2.5%-97.5%: 3.91-49.96
IDFC			IDFC (mg/dL) 2.5%-97.5%: 0.94-13.89
IDPL			IDPL (mg/dL) 2.5%-97.5%: 2.97-32.53
IDPN			IDPN (nmol/L) 2.5%-97.5%: 35.95-316.39
IDTG			IDTG (mg/dL) 2.5%-97.5%: 4.62-100.01
L1AB			L1AB (mg/dL) 2.5%-97.5%: 5.4-31.2

Formats and Labels for Variables in Table 1

Variables	Format	Format Definition	Label
L1CH			L1CH (mg/dL) 2.5%-97.5%: 8.07-58.72
L1FC			L1FC (mg/dL) 2.5%-97.5%: 2.49-16.94
L1PL			L1PL (mg/dL) 2.5%-97.5%: 5.87-29.8
L1PN			L1PN (nmol/L) 2.5%-97.5%: 98.1-567.23
L1TG			L1TG (mg/dL) 2.5%-97.5%: 2.51-14.03
L2AB			L2AB (mg/dL) 2.5%-97.5%: 2.57-23.47
L2CH			L2CH (mg/dL) 2.5%-97.5%: 2.48-48.09
L2FC			L2FC (mg/dL) 2.5%-97.5%: 0.99-14.35
L2PL			L2PL (mg/dL) 2.5%-97.5%: 2.2-24.82
L2PN			L2PN (nmol/L) 2.5%-97.5%: 46.65-426.74
L2TG			L2TG (mg/dL) 2.5%-97.5%: 1.19-6.4
L3AB			L3AB (mg/dL) 2.5%-97.5%: 2.82-27.44
L3CH			L3CH (mg/dL) 2.5%-97.5%: 3.19-45.64
L3FC			L3FC (mg/dL) 2.5%-97.5%: 1.27-13.29
L3PL			L3PL (mg/dL) 2.5%-97.5%: 2.39-24.21
L3PN			L3PN (nmol/L) 2.5%-97.5%: 51.24-499
L3TG			L3TG (mg/dL) 2.5%-97.5%: 1.15-5.72
L4AB			L4AB (mg/dL) 2.5%-97.5%: 4.24-31.74
L4CH			L4CH (mg/dL) 2.5%-97.5%: 4.32-48.86
L4FC			L4FC (mg/dL) 2.5%-97.5%: 1.07-12.49
L4PL			L4PL (mg/dL) 2.5%-97.5%: 3.05-25.06
L4PN			L4PN (nmol/L) 2.5%-97.5%: 77.07-577.04
L4TG			L4TG (mg/dL) 2.5%-97.5%: 1.21-8.43
L5AB			L5AB (mg/dL) 2.5%-97.5%: 4.71-33.82
L5CH			L5CH (mg/dL) 2.5%-97.5%: 5.41-48.69
L5FC			L5FC (mg/dL) 2.5%-97.5%: 1.56-12.71
L5PL			L5PL (mg/dL) 2.5%-97.5%: 3.72-25.29
L5PN			L5PN (nmol/L) 2.5%-97.5%: 85.6-614.86

Formats and Labels for Variables in Table 1

Variables	Format	Format Definition	Label
L5TG			L5TG (mg/dL) 2.5%-97.5%: 1.12-8.98
L6AB			L6AB (mg/dL) 2.5%-97.5%: 4.98-44.85
L6CH			L6CH (mg/dL) 2.5%-97.5%: 6.26-54.19
L6FC			L6FC (mg/dL) 2.5%-97.5%: 1.78-12.18
L6PL			L6PL (mg/dL) 2.5%-97.5%: 4.44-27.91
L6PN			L6PN (nmol/L) 2.5%-97.5%: 90.64-815.44
L6TG			L6TG (mg/dL) 2.5%-97.5%: 1.35-13.16
LDAB			LDAB (mg/dL) 2.5%-97.5%: 41.82-140.77
LDCH			LDCH (mg/dL) 2.5%-97.5%: 54.52-226.6
LDFC			LDFC (mg/dL) 2.5%-97.5%: 17.19-63.35
LDHD			LDHD (-/-) 2.5%-97.5%: 0.98-4.08
LDPL			LDPL (mg/dL) 2.5%-97.5%: 36.69-120.76
LDPN			LDPN (nmol/L) 2.5%-97.5%: 760.42-2559.51
LDTG			LDTG (mg/dL) 2.5%-97.5%: 11.77-45.22
TBPN			TBPN (nmol/L) 2.5%-97.5%: 876.01-2908.2
TPA1			TPA1 (mg/dL) 2.5%-97.5%: 112-216.85
TPA2			TPA2 (mg/dL) 2.5%-97.5%: 24.07-47.7
TPAB			TPAB (mg/dL) 2.5%-97.5%: 48.18-159.94
TPCH			TPCH (mg/dL) 2.5%-97.5%: 140.31-341.43
TPTG			TPTG (mg/dL) 2.5%-97.5%: 53.45-489.81
V1CH			V1CH (mg/dL) 2.5%-97.5%: 0.8-35.13
V1FC			V1FC (mg/dL) 2.5%-97.5%: 0.11-12.89
V1PL			V1PL (mg/dL) 2.5%-97.5%: 1.31-32.41
V1TG			V1TG (mg/dL) 2.5%-97.5%: 6.23-212.19
V2CH			V2CH (mg/dL) 2.5%-97.5%: 0.39-15.36
V2FC			V2FC (mg/dL) 2.5%-97.5%: 0.04-6.6
V2PL			V2PL (mg/dL) 2.5%-97.5%: 0.81-15.43

Formats and Labels for Variables in Table 1

Variables	Format	Format Definition	Label
V2TG			V2TG (mg/dL) 2.5%-97.5%: 2.75-66.92
V3CH			V3CH (mg/dL) 2.5%-97.5%: 0.48-16.23
V3FC			V3FC (mg/dL) 2.5%-97.5%: 0.05-8.09
V3PL			V3PL (mg/dL) 2.5%-97.5%: 0.82-13.53
V3TG			V3TG (mg/dL) 2.5%-97.5%: 2.16-48.88
V4CH			V4CH (mg/dL) 2.5%-97.5%: 1.41-15.11
V4FC			V4FC (mg/dL) 2.5%-97.5%: 0.15-7.21
V4PL			V4PL (mg/dL) 2.5%-97.5%: 1.62-12.87
V4TG			V4TG (mg/dL) 2.5%-97.5%: 2.93-28.43
V5CH			V5CH (mg/dL) 2.5%-97.5%: 0.1-3.93
V5FC			V5FC (mg/dL) 2.5%-97.5%: 0.02-2.2
V5PL			V5PL (mg/dL) 2.5%-97.5%: 0.4-5.06
V5TG			V5TG (mg/dL) 2.5%-97.5%: 1.08-7.26
VLAB			VLAB (mg/dL) 2.5%-97.5%: 2.76-26.02
VLCH			VLCH (mg/dL) 2.5%-97.5%: 4.88-76.99
VLFC			VLFC (mg/dL) 2.5%-97.5%: 2.66-33.09
VLPL			VLPL (mg/dL) 2.5%-97.5%: 6.44-67.58
VLPN			VLPN (nmol/L) 2.5%-97.5%: 50.11-473.04
VLTG			VLTG (mg/dL) 2.5%-97.5%: 21.38-335.6
ACETIC_ACID			Acetic_acid (mmol/L) 2.5%-97.5%: --0.06
ACETOACETIC_ACID			Acetoacetic_acid (mmol/L) 2.5%-97.5%: --0.02
ACETONE			Acetone (mmol/L) 2.5%-97.5%: --0.06
ALANINE			Alanine (mmol/L) 2.5%-97.5%: 0.29-0.64
ASPARAGINE			Asparagine (mmol/L) 2.5%-97.5%: --0.08
CA_EDTA			Ca_EDTA (mmol/L) 2.5%-97.5%: --0.5
CHOLINE			Choline (mmol/L) 2.5%-97.5%: --0.06

Formats and Labels for Variables in Table 1

Variables	Format	Format Definition	Label
CITRIC_ACID			Citric_acid (mmol/L) 2.5%-97.5%: --0.21
CREATINE			Creatine (mmol/L) 2.5%-97.5%: --0.07
CREATININE			Creatinine (mmol/L) 2.5%-97.5%: 0.06-0.14
D_GALACTOSE			D_Galactose (mmol/L) 2.5%-97.5%: --0.11
DIMETHYLSULFONE			Dimethylsulfone (mmol/L) 2.5%-97.5%: --0.02
ETHANOL			Ethanol (mmol/L) 2.5%-97.5%: --0.82
FORMIC_ACID			Formic_acid (mmol/L) 2.5%-97.5%: --0.03
GLUCOSE			Glucose (mmol/L) 2.5%-97.5%: 1.73-6.08
GLUTAMIC_ACID			Glutamic_acid (mmol/L) 2.5%-97.5%: --0.24
GLUTAMINE			Glutamine (mmol/L) 2.5%-97.5%: 0.3-0.83
GLYCEROL			Glycerol (mmol/L) 2.5%-97.5%: --0.44
GLYCINE			Glycine (mmol/L) 2.5%-97.5%: 0.17-0.44
HISTIDINE			Histidine (mmol/L) 2.5%-97.5%: 0.07-0.16
ISOLEUCINE			Isoleucine (mmol/L) 2.5%-97.5%: 0.03-0.11
K_EDTA			K_EDTA (mmol/L) 2.5%-97.5%: --0.5
LACTIC_ACID			Lactic_acid (mmol/L) 2.5%-97.5%: 2.23-7.14
LEUCINE			Leucine (mmol/L) 2.5%-97.5%: 0.07-0.2
LYSINE			Lysine (mmol/L) 2.5%-97.5%: --0.29
METHIONINE			Methionine (mmol/L) 2.5%-97.5%: 0.05-0.13
N_N_DIMETHYLGLYCINE			N N Dimethylglycine (mmol/L) 2.5%-97.5%: --0.01
ORNITHINE			Ornithine (mmol/L) 2.5%-97.5%: --0.16
PHENYLALANINE			Phenylalanine (mmol/L) 2.5%-97.5%: --0.07
PROLINE			Proline (mmol/L) 2.5%-97.5%: --0.59
PYRUVIC_ACID			Pyruvic_acid (mmol/L) 2.5%-97.5%: --0.07
SARCOSINE			Sarcosine (mmol/L) 2.5%-97.5%: --0.01

Formats and Labels for Variables in Table 1

Variables	Format	Format Definition	Label
SUCCINIC_ACID			Succinic_acid (mmol/L) 2.5%-97.5%: --0.01
THREONINE			Threonine (mmol/L) 2.5%-97.5%: --0.24
TRIMETHYLAMINE_N_OXIDE			Trimethylamine_N_oxide (mmol/L) 2.5%-97.5%: --0.08
TYROSINE			Tyrosine (mmol/L) 2.5%-97.5%: --0.08
VALINE			Valine (mmol/L) 2.5%-97.5%: 0.15-0.35
_2_AMINOBUTYRIC_ACID			_2_Aminobutyric_acid (mmol/L) 2.5%-97.5%: --0.1
_2_HYDROXYBUTYRIC_ACID			_2_Hydroxybutyric_acid (mmol/L) 2.5%-97.5%: --0.17
_2_OXOGLUTARIC_ACID			_2_Oxoglutaric_acid (mmol/L) 2.5%-97.5%: --0.02
_3_HYDROXYBUTYRIC_ACID			_3_Hydroxybutyric_acid (mmol/L) 2.5%-97.5%: --0.26