

Trial name	CALERIE 2
Dataset name	CORETEMP (Core Temperature)
Description	Core temperature data downloaded from core temperature monitor. The monitor measures core body temperature for each minute during approximately 24 hours that the monitor is worn, by receiving temperature signals from a capsule that is swallowed by the participant. This data is reduced to 1 record for each 15 minute interval, with temperature summarized by the number of total and usable minutes in the interval, and the sum and sum of squares of the temperature during the usable minutes.
Comments on data structure	1 record / DEIDNUM / CFORM / STARTTM (1 record for each 15 minute interval)
Usage	The CORETMPA analysis dataset should be used for all analyses because it incorporates CALERIE data handling rules to reduce the data to 1 record per DEIDNUM / VISIT.

Variable NAME	LABEL	Definition	TYPE	LENGTH	FORMAT
deidnum	Deidentified Subject Number		N	8	
cform	Form	BASELINE2 MONTH 6 MONTH 12 MONTH 24	C	11	
starttm	Studyday of Start time for 15 min seq		N	8	
stoptm	Studyday of Stop time for 15 min seq		N	8	
NUMRECS	Total recs within 15 minute period	Records with temperature between 35 - 39 degrees C are considered usable.	N	8	
usedrecs	Total usable recs with 15 minute period		N	8	
TEMPSUM	Sum of usable recs (for mean)		N	8	
TEMPSQ	Sum of squares of usable recs (for SD)		N	8	

Trial name	CALERIE 2
Dataset name	RMRLOAD (Resting Metabolic Rate)
Description	<p>RMR data is downloaded from the RMR cart. The raw data has 1 record for each minute during each RMR assessment.</p> <p>Each record in the raw data has a flag (EEVENT) indicating whether the record is a usable participant minute, a QC minute, or to be discarded. For each RMR test, there are 2 separate 'runs' of RMR data. The first run has PTQC='PT' and involves about 4 minutes of pre-test CO2 calibration (EEVENT=2), followed by about 30 minutes of participant data (EEVENT=5 for usable data). The second run has PTQC='QC', and has three kinds of calibration tests: approximately 4 minutes of post-test CO2 calibration (EEVENT=2), approximately 4 minutes of CAL gas 1 (EEVENT=3) and approximately 4 minutes of CAL gas 2 (EEVENT=4). Unusable minutes are flagged with EEVENT=1.</p>
Comments on data structure	1 record / DEIDNUM / RFORM / PTQC / TESTMIN
Usage	The RMRA analysis dataset should be used for all analyses because it incorporates CALERIE data handling rules to reduce the data to 1 record per DEIDNUM / VISIT.

Variable NAME	LABEL	Definition / values	TYPE	LENGTH	FORMAT
deidnum	Deidentified Subject Number		N	8	
rform	RMR form	BASELINE 2A BASELINE 2B MONT H 6 MONTH 12 MONTH 18 MONTH 24	C	11	
rmrtm	Studyday of Date/time [of test start]		N	8	
ptqc	PT or QC variable	PT: portion of the assessment used to measure participant's RMR QC: portion of the assessment used to QC / calibrate the instrument	C	3	
TESTMIN	Time [incremental minute of test]	Sequential minute of the assessment (separate for PT and QC portions)	C	3	
VO2	VO2 (L)		N	8	
VCO2	VCO2 (L)		N	8	

Variable NAME	LABEL	Definition / values	TYPE	LENGTH	FORMAT
RER	RER		N	8	
VE	VE (stpd)		N	8	
O2P	O2%		N	8	
CO2P	CO2%		N	8	
REE	REE	Resting energy expenditure (or RMR)	N	8	
FIO2	FIO2		N	8	
FICO2	FICO2		N	8	
EEVENT	Flag for record type	1=unusable minute 2=CO2 calibration 3=CAL gas 1 4=CAL gas 2 5=Usable participant data	N	8	

Trial Name	CALERIE 2
Dataset Name	(DXA (Dual-energy X-ray absorptiometry))
Description	DXA is used to measure body composition: % body fat, fat mass (FM), fat free mass (FFM), bone mineral density (BMD), bone mineral content (BMC), for several regions of the body. DXA scans were analyzed by the DXA reading center.
Comments on Data Structure	1 record per DEIDNUM / XVISITN
Usage	The analysis dataset DXAA should be used for analyses because it incorporates adjustments that were recommended by the DXA reading center, and other CALERIE data handling rules.

Variable NAME	LABEL	Definition	TYPE	LENGTH	FORMAT
deidnum	Deidentified Subject Number		N	8	
xvisitn	Visit	1=Baseline 1 2= Baseline 2 6= Month 6 (1) 7= Month 6 (2) 12= Month 12 18= Month 18 24= Month 24	N	8	
bscandt	Studyday of Body Date of Exam		N	8	
bscantm	Studyday of Body Date/Time of Exam		N	8	
banaldt	Studyday of Body Date of Analysis		N	8	
hscandt	Studyday of Hip Date of Exam		N	8	
hscantm	Studyday of Hip Date/Time of Exam		N	8	
hanaldt	Studyday of Hip Date of Analysis		N	8	
sscandt	Studyday of Spine Date of Exam		N	8	
sscantm	Studyday of Spine Date/Time of Exam		N	8	
sanaldt	Studyday of Spine Date of Analysis		N	8	
rscandt	Studyday of Forearm Date of Exam		N	8	

Variable NAME	LABEL	Definition	TYPE	LENGTH	FORMAT
rscantm	Studyday of Forearm Date/Time of Exam		N	8	
ranaldt	Studyday of Forearm Date of Analysis		N	8	
TAREA	Trochanter Area		N	8	
TBMC	Trochanter BMC		N	8	
TBMD	Trochanter BMD		N	8	
ITAREA	Intertrochanter Area		N	8	
ITBMC	Intertrochanter BMC		N	8	
ITBMD	Intertrochanter BMD		N	8	
NAREA	Neck Area		N	8	
NBMC	Neck BMC		N	8	
NBMD	Neck BMD		N	8	
WAREA	Wards triangle Area		N	8	
WBMC	Wards triangle BMC		N	8	
WBMD	Wards triangle BMD		N	8	
HTOTAREA	Hip Total Area		N	8	
HTOTBMC	Hip Totaal BMC		N	8	
HTOTBMD	Hip Total BMD		N	8	
HSCANMOD	Hip Scan Mode		N	8	
HSCANPRO	Hip Scan Protocol		C	4	
HSIDE	Hip Side		C	1	
HFINAL	Hip FINAL REVIEW		C	1	
NO_REGIO	NO_REGIONS		N	8	
STARTING	STARTING_REGION		N	8	
L1_INCLU	L1_INCLUDED		N	8	
L2_INCLU	L2_INCLUDED		N	8	
L3_INCLU	L3_INCLUDED		N	8	

Variable NAME	LABEL	Definition	TYPE	LENGTH	FORMAT
L4_INCLU	L4_INCLUDED		N	8	
L1AREA	L1 Area		N	8	
L1BMC	L1_BMC		N	8	
L1BMD	L1_BMD		N	8	
L2AREA	L2 Area		N	8	
L2BMC	L2 BMC		N	8	
L2BMD	L2 BMD		N	8	
L3AREA	L3 Area		N	8	
L3BMC	L3 BMC		N	8	
L3BMD	L3 BMD		N	8	
L4AREA	L4 Area		N	8	
L4BMC	L4 BMC		N	8	
L4BMD	L4 BMD		N	8	
STOTAREA	Spine Total Area		N	8	
STOTBMC	Spine Total BMC		N	8	
STOTBMD	Spine Total BMD		N	8	
SSCANMOD	Spine Scan Mode		C	8	
SSCANPRO	Spine Scan Protocol		C	8	
SFINAL	Spine FINAL REVIEW		C	1	
BTOTAREA	WBody Total Area		N	8	
BTOTBMC	WBody Total BMC		N	8	
BTOTBMD	WBody Total BMD		N	8	
BSUBAREA	WBody Sub Total Area		N	8	
BSUBBMC	WBody Sub Total BMC		N	8	
BSUBBMD	WBody Sub Total BMD		N	8	
HEADAREA	Head Area		N	8	

Variable NAME	LABEL	Definition	TYPE	LENGTH	FORMAT
HEADBMC	Head BMC		N	8	
HEADBMD	Head BMD		N	8	
LARMAREA	Left Arm Area		N	8	
LARMBMC	Left Arm BMC		N	8	
LARMBMD	Left Arm BMD		N	8	
RARMAREA	Right Arm Area		N	8	
RARMBMC	Right Arm BMC		N	8	
RARMBMD	Right Arm BMD		N	8	
LRIBAREA	Left Rib Area		N	8	
LRIBBMC	Left Rib BMC		N	8	
LRIBBMD	Left Rib BMD		N	8	
RRIBAREA	Right Rib Area		N	8	
RRIBBMC	Right Rib BMC		N	8	
RRIBBMD	Right Rib BMD		N	8	
TSPIAREA	Thor Spine Area		N	8	
TSPIBMC	Thor Spine BMC		N	8	
TSPIBMD	Thor Spine BMD		N	8	
LSPIAREA	Lumb Spine BMC		N	8	
LSPIBMC	Lumb Spine BMC		N	8	
LSPIBMD	Lumb Spine BMD		N	8	
PELVAREA	Pelvic Area		N	8	
PELVBMC	Pelvic BMC		N	8	
PELVBMD	Pelvic BMD		N	8	
LLEGAREA	Left Leg Area		N	8	
LLEGBMC	Left Leg BMC		N	8	
LLEGBMD	Left Leg BMD		N	8	

Variable NAME	LABEL	Definition	TYPE	LENGTH	FORMAT
RLEGAREA	Right Leg Area		N	8	
RLEGBMC	Right Leg BMC		N	8	
RLEGBMD	Right Leg BMD		N	8	
BSCANMOD	Body Scan Mode		C	8	
BSCANPRO	Body Scan Protocol		C	8	
HEADFAT	Head fat		N	8	
HEADFFM	Head FFM		N	8	
HEADMASS	Head Mass		N	8	
HEADPF	Head %Fat		N	8	
LARMFAT	Left Arm fat		N	8	
LARMFFM	Left Arm FFM		N	8	
LARMMASS	Left Arm Mass		N	8	
LARMPF	Left Arm %Fat		N	8	
RARMFAT	Right Arm fat		N	8	
RARMFFM	Right Arm FFM		N	8	
RARMMASS	Right Arm Mass		N	8	
RARMPF	Right Arm %Fat		N	8	
TRUNKFAT	Trunk fat		N	8	
TRNKFFM	Trunk FFM		N	8	
TRNKMASS	Trunk Mass		N	8	
TRNKPf	Trunk %Fat		N	8	
LLEGFAT	Left Leg fat		N	8	
LLEGFFM	Left Leg FFM		N	8	
LLEGMASS	Left Leg Mass		N	8	
LLEGPF	Left Leg %Fat		N	8	
RLEGFAT	Right Leg fat		N	8	

Variable NAME	LABEL	Definition	TYPE	LENGTH	FORMAT
RLEGFFM	Right Leg FFM		N	8	
RLEGMASS	Right Leg Mass		N	8	
RLEGPf	Right Leg %Fat		N	8	
BSUBFAT	Wbody Sub Total Fat		N	8	
BSUBFFM	Wbody Sub Total FFM		N	8	
BSUBMASS	Wbody Sub Total Mass		N	8	
BSUBPF	Wbody Sub Total %Fat		N	8	
BTOTFAT	Wbody Total Fat		N	8	
BTOTFFM	WBody Total FFM		N	8	
BTOTMASS	WBody Total Mass		N	8	
BTOTPF	Wbody Total %Fat		N	8	
TRNKBMC	Trunk BMC		N	8	
BTOTLEAN	Wbody Total Lean		N	8	
HEADLEAN	Head lean		N	8	
LARMLEAN	Left Arm lean		N	8	
RARMLEAN	Right Arm lean		N	8	
TRNKLEAN	Trunk lean		N	8	
LLEGLEAN	Left Leg lean		N	8	
RLEGLEAN	Right Leg lean		N	8	
BSUBLEAN	Sub Total Lean		N	8	
BFINAL	Body FINAL REVIEW		C	1	
R13AREA	Radius 1/3 Area		N	8	
R13BMC	Radius 1/3 BMC		N	8	
R13BMD	Radius 1/3 BMD		N	8	
RMAREA	Radius Mid Area		N	8	
RMBMC	Radius Mid BMC		N	8	

Variable NAME	LABEL	Definition	TYPE	LENGTH	FORMAT
RMBMD	Radius Mid BMD		N	8	
RUAREA	Radius ultra Area		N	8	
RUBMC	Radius ultra BMC		N	8	
RUBMD	Radius ultra BMD		N	8	
U13AREA	Ulna 1/3 Area		N	8	
U13BMC	Ulna 1/3 BMC		N	8	
U13BMD	Ulna 1/3 BMD		N	8	
UMAREA	Ulna Mid Area		N	8	
UMBMC	Ulna Mid BMC		N	8	
UMBMD	Ulna Mid BMD		N	8	
UUAREA	Ulna ultra Area		N	8	
UUBMC	Ulna ultra BMC		N	8	
UUBMD	Ulna ultra BMD		N	8	
RTOTAREA	Forearm Total Area		N	8	
RTOTBMC	Forearem Total BMC		N	8	
RTOTBMD	Forearm Total BMD		N	8	
UTOTAREA	Ulna Total Area		N	8	
UTOTBMC	Ulna Total BMC		N	8	
UTOTBMD	Ulna Total BMD		N	8	
RU13AREA	Radius + Ulna 1/3 Area		N	8	
RU13BMC	Radius + Ulna 1/3 BMC		N	8	
RU13BMD	Radius + Ulna 1/3 BMD		N	8	
RUMAREA	Radius + Ulna Mid Area		N	8	
RUMBMC	Radius + Ulna Mid BMC		N	8	
RUMBMD	Radius + Ulna Mid BMD		N	8	
RUUAREA	Radius + Ulna ultra Area		N	8	

Variable NAME	LABEL	Definition	TYPE	LENGTH	FORMAT
RUUBMC	Radius + Ulna ultra BMC		N	8	
RUUBMD	Radius + Ulna ultra BMD		N	8	
RUTOTARE	Radius + Ulna Total Area		N	8	
RUTOTBMC	Radius + Ulna Total BMC		N	8	
RUTOTBMD	Radius + Ulna Total BMD		N	8	
RSCANMOD	Forearm Scan Mode		C	8	
RSCANPRO	Forearm Scan Protocol		C	8	
RSIDE	Forearm SIDE		C	1	
RFINAL	Forearm FINAL REVIEW		C	1	
AGTFAT	Total Android+Gynoid Fat g		N	8	
AGTFFM	Total Android+Gynoid FFM g		N	8	
AGTMASS	Total Android+Gynoid Mass g		N	8	
AGTPF	Total Android+Gynoid % Fat		N	8	
ANDFAT	Android Fat		N	8	
ANDFFM	Android FFM g		N	8	
ANDMASS	Android Mass g		N	8	
ANDPF	Android % Fat g		N	8	
GYNFAT	Gynoid Fat g		N	8	
GYNFFM	Gynoid FFM g		N	8	
GYNMASS	Gynoid Mass g		N	8	
GYNPF	Gynoid % Fat		N	8	
ADGYRATO	Android Gynoid % Fat Ratio		N	8	

Trial Name	CALERIE 2
Dataset Name	FOODNDS (Nutritional analysis of daily food diaries)
Description	The Nutrition reading center analyzed daily food diaries completed for each participant. Food diaries were recorded and analyzed for 6 days during each DLW period. The raw food diary dataset FOODNDS contains one record for each day with numerous variables for the nutrition intake.
Comments on Data Structure	1 record per DEIDNUM / FFORM/ INTAKEDT (1 record per day)
Usage	The analysis dataset FOODWEEK should be used for analyses because it incorporates CALERIE data handling rules to reduce data to 1 record per DEIDNUM / VISIT.

Variable NAME	LABEL	Definition	TYPE	LENGTH	FORMAT
deidnum	Deidentified Subject Number		N	8	
fform	Visit Number	BL1 = Baseline 1 BL2 = Baseline 2 M6= Month 6 M12= Month 12 M18= Month 18 M24= Month 24	C	12	
intakedt	Studyday of Date of Intake		N	8	
bcrytox	Beta-Cryptoxanthin (mcg)		N	8	
betac	Beta-Carotene (mcg)		N	8	
betaceq	Beta-Carotene Equivalentents (mcg)		N	8	
cholsatr	Cholesterol to Saturated Fatty Acid Indx		N	8	
natatoco	Natural Alpha-Tocopherol (mg)		N	8	
pufa20_5	PUFA 20:5 (eicosapentaenoic acid) (g)		N	8	
pufa22_5	PUFA 22:5 (docosapentaenoic acid) (g)		N	8	
puffa22_	PUFA 22:6 (docosahexaenoic acid) (g)		N	8	
synatoco	Synthetic Alpha-Tocopherol (mg)		N	8	
tmufa	Total Monounsaturated Fatty Acids (g)		N	8	
totcla	Total (CLA 18:2) (g)		N	8	

Variable NAME	LABEL	Definition	TYPE	LENGTH	FORMAT
tpufa	Total Polyunsaturated Fatty Acids (g)		N	8	
tran18_1	TRANS 18:1 trans-octadecenoic acid (g)		N	8	
tran18_2	TRANS 18:2 trans-octadecadienoic ac. (g)		N	8	
tvitaac	Tot. Vit. A Act. (Retinol Eq.) (mcg)		N	8	
tvitaiu	Total Vitamin A Activity (IU)		N	8	
tvitareq	Total Vitamin A Activity (mcg)		N	8	
vitb	Vitamin B-6 (mg)		N	8	
RECTYPE	Record Type		N	8	
FDAY	Day of Intake		N	8	
DRICAT	DRI Life Stage Group or RDA Category		N	8	
INTAMT	Intake Amount		N	8	
INTREL	Intake Reliability		N	8	
TGRAMS	Total Grams		N	8	
KCAL	Energy (kcal)		N	8	
TFAT	Total Fat (g)		N	8	
TCARB	Total Carbohydrate (g)		N	8	
TPROT	Total Protein (g)		N	8	
ANIPROT	Animal Protein (g)		N	8	
VEGPROT	Vegetable Protein (g)		N	8	
ALCOHOL	Alcohol (g)		N	8	
CHOLEST	Cholesterol (mg)		N	8	
TSFA	Total Saturated Fatty Acids (SFA) (g)		N	8	
FRUCTOSE	Fructose (g)		N	8	
GALACTOS	Galactose (g)		N	8	
GLUCOSE	Glucose (g)		N	8	
LACTOSE	Lactose (g)		N	8	

Variable NAME	LABEL	Definition	TYPE	LENGTH	FORMAT
MALTOSE	Maltose (g)		N	8	
SUCROSE	Sucrose (g)		N	8	
STARCH	Starch (g)		N	8	
TDFIB	Total Dietary Fiber (g)		N	8	
SOLFIB	Soluble Dietary Fiber (g)		N	8	
INSOLFIB	Insoluble Dietary Fiber (g)		N	8	
PECTINS	Pectins (g)		N	8	
RETINOL	Retinol (mcg)		N	8	
VITD	Vitamin D (calciferol) (mcg)		N	8	
TATOCOEQ	Total Alpha-Tocopherol Equivalentents (mg)		N	8	
VITETAT	Vitamin E (Total Alpha-Tocopherol) (mg)		N	8	
BTOCO	Beta-Tocopherol (mg)		N	8	
GTOCO	Gamma-Tocopherol (mg)		N	8	
DTOCO	Delta-Tocopherol (mg)		N	8	
VITK	Vitamin K (phylloquinone) (mcg)		N	8	
VITC	Vitamin C (ascorbic acid) (mg)		N	8	
THIAMIN	Thiamin (vitamin B1) (mg)		N	8	
RIBOFLAV	Riboflavin (vitamin B2) (mg)		N	8	
NIACIN	Niacin (vitamin B3) (mg)		N	8	
PANTOAC	Pantothenic acid (mg)		N	8	
TFOLATE	Total Folate (mcg)		N	8	
VITB12	Vitamin B-12 (cobalamin) (mcg)		N	8	
CA	Calcium (mg)		N	8	
P	Phosphorus (mg)		N	8	
MG	Magnesium (mg)		N	8	
FE	Iron (mg)		N	8	

Variable NAME	LABEL	Definition	TYPE	LENGTH	FORMAT
ZN	Zinc (mg)		N	8	
CU	Copper (mg)		N	8	
SE	Selenium (mcg)		N	8	
NA	Sodium (mg)		N	8	
K	Potassium (mg)		N	8	
SFA4_0	SFA 4:0 (butyric acid) (g)		N	8	
SFA6_0	SFA 6:0 (caproic acid) (g)		N	8	
SFA8_0	SFA 8:0 (caprylic acid) (g)		N	8	
SFA10_0	SFA 10:0 (capric acid) (g)		N	8	
SFA12_0	SFA 12:0 (lauric acid) (g)		N	8	
SFA14_0	SFA 14:0 (myristic acid) (g)		N	8	
SFA16_0	SFA 16:0 (palmitic acid) (g)		N	8	
SFA17_0	SFA 17:0 (margaric acid) (g)		N	8	
SFA18_0	SFA 18:0 (stearic acid) (g)		N	8	
SFA20_0	SFA 20:0 (arachidic acid) (g)		N	8	
SFA22_0	SFA 22:0 (behinic acid) (g)		N	8	
MUFA14_1	MUFA 14:1 (myristoleic acid) (g)		N	8	
MUFA16_1	MUFA 16:1 (palmitoleic acid) (g)		N	8	
MUFA18_1	MUFA 18:1 (oleic acid) (g)		N	8	
MUFA20_1	MUFA 20:1 (gadoleic acid) (g)		N	8	
MUFA22_1	MUFA 22:1 (erucic acid) (g)		N	8	
PUFA18_2	PUFA 18:2 (linoleic acid) (g)		N	8	
PUFA18_3	PUFA 18:3 (linolenic acid) (g)		N	8	
PUFA18_4	PUFA 18:4 (parinaric acid) (g)		N	8	
PUFA20_4	PUFA 20:4 (arachidonic acid) (g)		N	8	
TRP	Tryptophan (g)		N	8	

Variable NAME	LABEL	Definition	TYPE	LENGTH	FORMAT
THR	Threonine (g)		N	8	
ILE	Isoleucine (g)		N	8	
LEU	Leucine (g)		N	8	
LYS	Lysine (g)		N	8	
MET	Methionine (g)		N	8	
CYS	Cystine (g)		N	8	
PHE	Phenylalanine (g)		N	8	
TYR	Tyrosine (g)		N	8	
VAL	Valine (g)		N	8	
ARG	Arginine (g)		N	8	
HIS	Histidine (g)		N	8	
ALA	Alanine (g)		N	8	
ASP	Aspartic Acid (g)		N	8	
GLU	Glutamic Acid (g)		N	8	
GLY	Glycine (g)		N	8	
PRO	Proline (g)		N	8	
SER	Serine (g)		N	8	
ASPTME	Aspartame (mg)		N	8	
SACCHAR	Saccharin (mg)		N	8	
CAFF	Caffeine (mg)		N	8	
PHYTAC	Phytic Acid (mg)		N	8	
OXALAC	Oxalic Acid (mg)		N	8	
THRMH	3-Methylhistidine (mg)		N	8	
SUCPOLY	Sucrose Polyester (g)		N	8	
ASH	Ash (g)		N	8	
WATER	Water (g)		N	8	

Variable NAME	LABEL	Definition	TYPE	LENGTH	FORMAT
PCALFAT	% calories from fat		N	8	
PCALCARB	% calories from carbohydrate		N	8	
PCALPROT	% calories from protein		N	8	
PCALC	% calories from alcohol		N	8	
PCALSFA	% calories from SFA		N	8	
PCALMUFA	% calories from MUFA		N	8	
PCALPUFA	% calories from PUFA		N	8	
POLSATR	Polyunsaturated to Saturated Fat Ratio		N	8	
TRAN16_1	(trans-hexadecenoic acid (g)		N	8	
TTRAN	Total Trans-Fatty Acids (TRANS) (g)		N	8	
NOTES	Header Notes		C	15	
ALPHAC	Alpha-Carotene (provitamin A carotenoid)		N	8	
LUTZEA	Lutein + Zeaxanthin (mcg)		N	8	
LYCOP	Lycopene (mcg)		N	8	
DFE	Dietary Folate Equivalents (mcg)		N	8	
NFE	Natural Folate (food folate) (mcg)		N	8	
SF	Synthetic Folate (folic acid) (mcg)		N	8	
KJ	Energy (kj)		N	8	
NIAEQ	Niacin Equivalents (mg)		N	8	
TSUGARS	Total Sugars (g)		N	8	
O3FA	Omega-3 Fatty Acids (g)		N	8	
MN	Manganese (mg)		N	8	
VEIU	Vitamine E (international Units) (IU)		N	8	
DAIDZEIN	Daidzein (mg)		N	8	
GENISTEI	Genistein (mg)		N	8	
GLYCIT	Glycitein (mg)		N	8	

Variable NAME	LABEL	Definition	TYPE	LENGTH	FORMAT
COUMESTR	Coumestrol (mg)		N	8	
BIOCHA	Biochanin A (mg)		N	8	
FORMO	Formononetin (mg)		N	8	
ASUGARS	Added Sugars (g)		N	8	
ACEK	Acesulfame Pottassium (mg)		N	8	
SUCRALOS	Sucralose (mg)		N	8	
ACARB	Available Carbohydrate (g)		N	8	
GLYIGLU	Glycemic Index (glucose reference)		N	8	
GLYIBRE	Glycemic Index (bread reference)		N	8	
GLYLGLU	Glycemic Load (glucose reference)		N	8	
GLYLBRE	Glycemic Load (bread reference)		N	8	
CHOLINE	Choline (mg)		N	8	
BETAINE	Betaine (mg)		N	8	
ERYTHRTL	Erythritol (g)		N	8	
INOSITOL	Inositol (g)		N	8	
ISOMALT	Isomalt (g)		N	8	
LACTITOL	Lactitol (g)		N	8	
MALTITOL	Maltitol (g)		N	8	
MANNITOL	Mannitol (g)		N	8	
PINITOL	Pinitol (g)		N	8	
SORBITOL	Sorbitol (g)		N	8	
XYLITOL	Xylitol (g)		N	8	
NITROGEN	Nitrogen (g)		N	8	
CLACIS9	CLA cis-9, trans-11 (g)		N	8	
CLATR10	CLA trans-10, cis-12 (g)		N	8	
TAGATOSE	Tagatose (mg)		N	8	

Trial Name	CALERIE 2
Dataset Name	OUTCLAB (Biochemistry outcome lab results)
Description	Outcome lab results from Vermont lab.
Comments on Data Structure	1 record per DEIDNUM / OFORM / ASSAY
Usage	The analysis dataset OCLABFLT should be used for analyses because it has 1 record per DEIDNUM / VISIT, and separate variables for each assay.

NAME	LABEL	Definition	TYPE	LENGTH	FORMAT
deidnum	Deidentified Subject Number		N	8	
oform	VisitID	0= Baseline 6= Month 6 12= Month 12 17= Month 17 18= Month 18 23= Month 23 24= Month 24 98= Reliability	N	8	
ocoldt	Studyday of ColIDate	Collection date	N	8	
assaydt	Studyday of AssayDate		N	8	
ASSAY	AssayCode	See formatted values of ASSAY on following page.	C	10	
RES	Result		N	8	
UNIT	Units		C	10	
LOVAL	LoVal		N	8	

NAME	LABEL	Definition	TYPE	LENGTH	FORMAT
HIVAL	HiVal		N	8	
QUAL	Qual	Sample Quality 0= Unknown 1 = Normal result 2= Sample not received 3= Quantity insufficient for assay 4= Poor quality – no result 5= Poor quality – result obtained 6= Out of range – low value 7= Out of range – high value 8= Off-cycle exclusion	N	8	

Formatted values of ASSAY.

ASSAY	label
ADIPOHMW	Adinopectin, HMW (ng/mL)
ADIPOTOT	Adinopectin, Total (ng/mL)
CHHDLR	Cholesterol Ratio
CHOL	Cholesterol - Total (mg/dL)
CORT	Cortisol (ug/dL)
CPEP	C-Peptide S - fasting (pmol/L)
CPEP120	C-Peptide S - 120 minute (pmol/L)
CPEP30	C-Peptide S - 30 minute (pmol/L)
CPEP60	C-Peptide S - 60 minute (pmol/L)
CPEP90	C-Peptide S - 90 minute (pmol/L)
CPEPT	C-Peptide - fasting (ng/mL)
CPEPT120	C-Peptide - 120 minute (ng/mL)
CPEPT30	C-Peptide - 30 minute (ng/mL)
CPEPT60	C-Peptide - 60 minute (ng/mL)

ASSAY	label
CPEPT90	C-Peptide - 90 minute (ng/mL)
CRP	CRP (C-Reactive Protein) (ug/mL)
CTX	CTX (Serum beta Crosslaps (beta C-Terminal Telopeptide)) (ug/L)
DHES	DHEA-S (ug/dL)
DIPH	Diphtheria Antibody (IU/mL)
DIPH3	Diphtheria Antibody (24M visit 3) (IU/mL)
FRTES	Free testosterone (ng/dL)
FSH	Follicle Stimulating Hormone (mIU/mL)
GH	GH (Growth Hormone) (pg/mL)
HAAB	Hepatitis A Antibody (IU/L)
HAAB3	Hepatitis A Antibody (24M visit 3) (IU/L)
HDL	HDL Cholesterol (mg/dL)
ICAM1	ICAM1 (Intercellular Adhesion Molecule 1) (ng/mL)
IGF1	IGF1 (Insulin-like Growth Factor 1) (ng/mL)
IGFBP1	IGFBP1 (Insulin-like Growth Factor binding protein 1) (pg/mL)
IGFBP3	IGFBP3 (Insulin-like Growth Factor binding protein 3) (ng/mL)
IL1B	IL1B (Interleukin 1 beta) (pg/mL)
IL6	IL6 (Interleukin 6) (pg/mL)
IL8	IL8 (Interleukin 8) (pg/mL)
INS0	Insulin - fasting (uIU/mL)
INS120	Insulin - 120 minute (uIU/mL)
INS30	Insulin - 30 minute (uIU/mL)
INS60	Insulin - 60 minute (uIU/mL)
INS90	Insulin - 90 minute (uIU/mL)
LDL	LDL Cholesterol (mg/dL)
LEPTIN	Leptin (pg/mL)

ASSAY	label
LH	Luteinizing Hormone (mIU/mL)
MCP1	MCP1 (Monocyte Chemoattractant Protein 1) (pg/mL)
NOREP1	Norepinephrine 1 (pg/mL)
NOREP2	Norepinephrine 2 (pg/mL)
PDGFAB	PDGFAB (Platelet Derived Growth Factor AB) (pg/mL)
PINP	PINP (N-terminal propeptide of type 1 procollagen) (ug/L)
PRA	PRA (Plasma Renin Activity) (ng/ml/hr)
SGL0	Glucose - fasting (mg/dL)
SGL120	Glucose - 120 minute (mg/dL)
SGL30	Glucose - 30 minute (mg/dL)
SGL60	Glucose - 60 minute (mg/dL)
SGL90	Glucose - 90 minute (mg/dL)
SHBG	Sex Hormone Binding Globulin (nmol/L)
STRP01	Streptococcus pneumonia IgG Serotype 1
STRP01V3	Streptococcus pneumonia IgG Serotype 1
STRP02	Streptococcus pneumonia IgG Serotype 2
STRP02V3	Streptococcus pneumonia IgG Serotype 2
STRP03	Streptococcus pneumonia IgG Serotype 3
STRP03V3	Streptococcus pneumonia IgG Serotype 3
STRP04	Streptococcus pneumonia IgG Serotype 4
STRP04V3	Streptococcus pneumonia IgG Serotype 4
STRP05	Streptococcus pneumonia IgG Serotype 5
STRP05V3	Streptococcus pneumonia IgG Serotype 5
STRP06B	Streptococcus pneumonia IgG Serotype 6B
STRP06BV3	Streptococcus pneumonia IgG Serotype 6B
STRP07F	Streptococcus pneumonia IgG Serotype 7F

ASSAY	label
STRP07FV3	Streptococcus pneumonia IgG Serotype 7F
STRP08	Streptococcus pneumonia IgG Serotype 8
STRP08V3	Streptococcus pneumonia IgG Serotype 8
STRP09N	Streptococcus pneumonia IgG Serotype 9N
STRP09NV3	Streptococcus pneumonia IgG Serotype 9N
STRP09V	Streptococcus pneumonia IgG Serotype 9V
STRP09VV3	Streptococcus pneumonia IgG Serotype 9V
STRP10A	Streptococcus pneumonia IgG Serotype 10A
STRP10AV3	Streptococcus pneumonia IgG Serotype 10A
STRP11A	Streptococcus pneumonia IgG Serotype 11A
STRP11AV3	Streptococcus pneumonia IgG Serotype 11A
STRP12F	Streptococcus pneumonia IgG Serotype 12F
STRP12FV3	Streptococcus pneumonia IgG Serotype 12F
STRP14	Streptococcus pneumonia IgG Serotype 14
STRP14V3	Streptococcus pneumonia IgG Serotype 14
STRP15B	Streptococcus pneumonia IgG Serotype 15B
STRP15BV3	Streptococcus pneumonia IgG Serotype 15B
STRP17F	Streptococcus pneumonia IgG Serotype 17F
STRP17FV3	Streptococcus pneumonia IgG Serotype 17F
STRP18C	Streptococcus pneumonia IgG Serotype 18C
STRP18CV3	Streptococcus pneumonia IgG Serotype 18C
STRP19A	Streptococcus pneumonia IgG Serotype 19A
STRP19AV3	Streptococcus pneumonia IgG Serotype 19A
STRP19F	Streptococcus pneumonia IgG Serotype 19F
STRP19FV3	Streptococcus pneumonia IgG Serotype 19F
STRP20	Streptococcus pneumonia IgG Serotype 20

ASSAY	label
STRP20V3	Streptococcus pneumonia IgG Serotype 20
STRP22F	Streptococcus pneumonia IgG Serotype 22F
STRP22FV3	Streptococcus pneumonia IgG Serotype 22F
STRP23F	Streptococcus pneumonia IgG Serotype 23F
STRP23FV3	Streptococcus pneumonia IgG Serotype 23F
STRP33F	Streptococcus pneumonia IgG Serotype 33F
STRP33FV3	Streptococcus pneumonia IgG Serotype 33F
T3	T3 (Triiodothyronine) Total (ng/dL)
TESTO	Total Testosterone (ng/dL)
TETA	Tetanus Toxoid Antibody (IU/mL)
TETA3	Tetanus Toxoid Antibody (24M visit 3) (IU/mL)
TGFB1	TGFB1 (pg/mL)
TNFA	TNF-a (Tumor Necrosis Factor alpha) (pg/mL)
TRIG	Triglyceride (mg/dL)
TSH	Thyroid Stimulating Hormone (uIU/mL)

Trial Name	CALERIE 2
Dataset Name	SAFETY (Safety lab results)
Description	Safety lab results from Esoterix lab.
Comments on Data Structure	1 record per DEIDNUM / SFORM / TESTCODE (there may be more than 1 record if a subject has multiple off-schedule samples)
Usage	The analysis dataset SFLABFLT should be used for analyses because it has 1 record per DEIDNUM / VISIT, and separate variables for each assay.

Variable NAME	LABEL	Description	TYPE	LENGTH	FORMAT
deidnum	Deidentified Subject Number		N	8	
SFORM	Planned Clinical Event	BASELINE-REPOSI BASELINE1 MONTH 1 MONTH 3 MONTH 6 MONTH 9 MONTH 12 MONTH 12-REPOSI MONTH 18 MONTH 24 OFFSCHED	C	15	
coldt	Studyday of Sample Collection Date		N	8	
coltm	Studyday of Collection Date and Time		N	8	
anadt	Studyday of Analysis Date		N	8	
anatm	Studyday of Analysis Date and Time		N	8	
resultn	Result, numeric only		C	8	
results	Result, non- numeric		C	100	
TESTCODE	Esoterix Test codes	Assay name – abbreviated	C	6	
TESTSHRT	Esoterix Short Test names, or Override n	Assay name, unabbreviated	C	30	
UNIT	Unit of measure; null if none defined		C	20	

Variable NAME	LABEL	Description	TYPE	LENGTH	FORMAT
LOWREF	Lower limit of normal		C	8	
HIGHREF	Upper limit of normal		C	8	
ALERT	Alert flags		C	2	