

Trial name	CALERIE 2
Dataset name	PCTCR (Long term %CR adherence by interval)
Description	This dataset applies the Adherence MOP to calculate long term Adherence (%CR with respect to baseline energy intake) during each interval from Baseline to each follow-up visit and between consecutive and non-consecutive follow-up visits. This calculation involves TEE at each visit and changes in FM and FFM between visits.
Comments on data structure	1 record / DEIDNUM / INTERVAL
Population	All randomized subjects who had at least one follow-up visit
Source data files	ANALDATA/SUBJECT1, IVRSRAND, TEERQ, DXAA
Final sort order	DEIDNUM INTERVAL

Variable name	LABEL	Source variables	C/N ?	Definition	Accepted values/ Format
DEIDNUM	Subject Number	DEIDNUM	C		
INTERVAL	Interval	INTERVAL	N	Each record represents an interval between two visits.	1='BL – M6' 2='BL – M12' 3='BL – M18' 4='BL – M24' 5='M6 – M12' 6='M6 – M18' 7='M6 – M24' 8='M12 – M18' 9='M12 – M24' 10='M18 – M24'
TEEBL	TEE at Baseline (kcal/day)	TEERQ.TEERQ	N	=TEERQ from the record with VISIT=0 (TEE based on individual RQ)	
MEANEE	Mean TEE during interval (Kcal/day)	TEERQ,TEERQ	N	The Mean TEE for an interval is the weighted average of TEERQ at the start and end of the interval, and all visits in between. Baseline to Month 6 (CR arm only): $TEE_{BL-M6} = (Baseline\ TEERQ + (5 \times M6\ TEERQ)) / 6$ M6 – M12 (CR arm only): $TEE_{M6-M12} = (M6\ TEERQ + M12\ TEERQ) / 2$ Baseline to M12 (CR arm):	

Variable name	LABEL	Source variables	C/N ?	Definition	Accepted values/ Format
				$TEE_{BL-M12} = ((TEE_{BL-M6} \times \text{days from BL to M6}) + (TEE_{M6-M12} \times \text{days from M6 to M12})) / \text{days from BL to M12.}$ Baseline to M12 (AL arm): $TEE_{BL-M12} = \text{mean of BL TEERQ and M12 TEERQ}$ Etc, See Adherence MOP for full details.	
				The next 4 variables use FMA and FFMA, which are FM and FFM from DXA, only if within 15 days of the DLW period.	
STARTFM	FM at start of interval (kg)	DXAA.FMA	N	=FMA from the visit at the start of the interval	
ENDFM	FM at end of interval (kg)	DXAA.FMA	N	=FMA from the visit at the end of the interval	
STARTFFM	FFM at start of interval (kg)	DXAA.FFMA	N	=FFMA from the visit at the start of the interval	
ENDFFM	FFM at end of interval (kg)	DXAA.FFMA	N	=FFMA from the visit at the end of the interval	
STARTDT	Date at start of interval	DXAA.BSCANDT	DT	=BSCANDT from the visit at the start of the interval	
ENDDT	Date at end of interval	DXAA.BSCANDT	DT	=BSCANDT from the visit at the end of the interval	
DELTA FM	Change in FM over interval (kg)	STARTFM, ENDFM	N	= ENDFM – STARTFM.	
DELTA FFM	Change in FFM over interval (kg)	STARTFFM, ENDDT	N	= ENDDT – STARTFFM	
DELTA WT	Change in weight over interval (kg)	DELTA FM, DELTA FFM	N	= DELTA FM + DELTA FFM	
DURATION	Duration of interval (days)	STARTDT, ENDDT	N	= ENDDT – STARTDT	
TOTDES	Total change in energy stores (kcal)	DELTA FM, DELTA FFM	N	Assuming 9300 kcal/kg of FM and 1100 kcal/kg of FFM. $= (DELTA FM \times 9300) + (DELTA FFM \times 1100)$	
DES	Daily change in energy stores (kcal/day)	TOTDES, DURATION	N	$= TOTDES / DURATION$ If both TOTDES and DURATION both exist, and $DURATION > 0$.	
EI	Energy Intake during interval (kcal/day)	MEANEE, DES	N	$= MEANEE + DES$ If both MEANEE and DES exist. Else missing.	
PCTCR	% CR during interval (vs. Baseline)	EI, TEEBL	N	$= 100 \times (TEEBL - EI) / TEEBL$ If both TEEBL and EI exist. Else missing.	
ECWTCHG	Energy content of wgt, change (kcal/kg)	TOTDES, DELTA WT	N	Assuming 9300 kcal/kg of FM and 1100 kcal/kg of FFM. $= TOTDES / DELTA WT$	