

Supplementary tables

Supplementary table 1. Clinical characteristics of the included and excluded participants, CoLaus study, Lausanne, 2009-2012.

	Included	Excluded	P-value
N (%)	4224 (83.4)	840 (16.6)	-
Women (%)	2192 (51.9)	515 (61.3)	<0.001
Age (years)	57.3 ± 10.4	60.2 ± 11.0	<0.001
Temperature (°C)	36.2 ± 0.4	36.3 ± 0.4	<0.001
Body mass index (kg/m ²)	26.0 ± 4.5	27.1 ± 5.2	<0.001
Waist (cm)	91.7 ± 12.9	93.6 ± 13.5	<0.001
Hip (cm)	99.6 ± 10.0	102.2 ± 10.9	<0.001
Waist to hip ratio	0.92 ± 0.07	0.91 ± 0.08	0.102
Body surface area (m ²)	1.86 ± 0.22	1.86 ± 0.22	0.934
Resting heart rate (beats.min ⁻¹)	67.3 ± 9.7	68.8 ± 9.9	<0.001
Hs-CRP (mg/l) §	2.2 ± 2.7	4.5 ± 6.3	<0.001
Glucose (mmol/l)	5.9 ± 1.2	5.9 ± 1.3	0.944
Insulin (µu/ml) §	8.5 ± 16.0	9.8 ± 14.8	<0.001
Diabetes (%)	434 (10.3)	105 (12.8)	0.033

Hs-CRP, high sensitivity C-reactive protein. Results are expressed as mean ± standard deviation or as percentage. Between-group comparisons performed using chi-square for categorical variables and student's t-test or Kruskal-Wallis test (§) for continuous variables.

Supplementary table 2. Bivariate associations of core body temperature with adiposity and metabolic markers, only participants with all adiposity markers, stratified by gender and menopausal status, CoLaus study, Lausanne, 2009-2012.

	Men	Premenopausal women	Menopausal women
N (%)	1610 (49.7)	485 (15.9)	1147 (35.4)
Age (years)	0.051 *	-0.083	-0.025
Body mass index (kg/m ²)	0.166 ***	0.076	0.088 **
Waist (cm)	0.170 ***	0.088	0.090 **
Hip (cm)	0.087 ***	0.038	0.046
Waist to hip ratio	0.191 ***	0.104 *	0.113 ***
Body area (m ²)	0.102 ***	0.055	0.073 *
Fat mass (% weight)	0.187 ***	0.074	0.083 **
Fat mass (kg)	0.184 ***	0.076	0.096 **
Fat mass index (kg/m ²)	0.198 ***	0.075	0.098 ***
Non-fat mass (kg)	0.042	0.019	0.032
Non-fat mass index (kg/m ²)	0.090 ***	0.058	0.045
Heart rate (beats per min)	0.240 ***	0.168 ***	0.183 ***
Hs-CRP (mg/l)	0.136 ***	0.088	0.044
Glucose (mmol/l)	0.109 ***	0.077	0.091 **
Insulin (μU/ml)	0.150 ***	0.187 ***	0.137 ***

Hs-CRP, high sensitivity C-reactive protein. Results are expressed as Spearman correlation coefficients: *, p<0.05 ; **, p<0.01 ; ***, p<0.001.

Supplementary table 3. Multivariate associations of core body temperature with adiposity markers, only participants with all adiposity markers, stratified by gender and menopausal status, CoLaus study, Lausanne, 2009-2012.

	Men	Premenopausal women	Menopausal women
Body mass index (kg/m ²)	0.121 ***	-0.003	0.036
Waist (cm)	0.108 ***	-0.001	0.041
Hip (cm)	0.025	-0.049	-0.021
Waist to hip ratio	0.128 ***	0.062	0.084 **
Body surface area (m ²)	0.058 *	-0.027	0.014
Fat mass (% weight)	0.137 ***	-0.015	0.068 *
Fat mass (kg)	0.130 ***	-0.016	0.050
Fat mass index (kg/m ²)	0.145 ***	0.003	0.056
Non-fat mass (kg)	0.019	-0.021	-0.023
Non-fat mass index (kg/m ²)	0.053	-0.008	-0.016

§, analysis performed on log-transformed data. Results are expressed as standardized regression coefficients. Analysis by linear regression using core body temperature as dependent variable and adjusting for age, resting heart rate, high sensitivity C-reactive protein (log-transformed) and insulin (log-transformed): *, p<0.05 ; **, p<0.01 ; ***, p<0.001.