

eAppendix 1. Intra-neighborhood correlation coefficients and between-neighborhood variances for the different models for BMI and waist circumference (neighborhood variables based on the 500 m circular buffers), Paris Metropolitan Area, 2007-2008

	Empty model^a	Individual model^b	Neighborhood education level model^c	Neighborhood median income model^d	Neighborhood real estate prices model^e
Intra-neighborhood correlation coefficients					
BMI	0.05	0.02	0.01	0.02	0.02
Waist circumference	0.03	0.02	0.01	0.01	0.02
Variances between neighborhoods and confidence intervals					
BMI	0.81 (0.60 to 1.16)	0.36 (0.22 to 0.71)	0.19 (0.09 to 0.64)	0.30 (0.17 to 0.65)	0.33 (0.19 to 0.68)
Waist circumference	3.86 (2.66 to 6.11)	1.84 (1.01 to 4.36)	1.14 (0.51 to 4.55)	1.65 (0.86 to 4.27)	1.84 (1.01 to 4.36)

^aAdjusted for age and sex.

^bAdjusted for age, examination center, Human Development Index of the country of birth, individual education level, occupation, perceived financial strain, low practice of cultural entertainments, health-related external locus of control, and propensity to keep healthy resolutions.

^cAdjusted for all variables included in the previous model and for neighborhood education level.

^dAdjusted for all variables included in the previous model and for neighborhood median income.

^eAdjusted for all variables included in the previous model and for neighborhood real estate prices.

eAppendix 2. Associations with BMI and waist circumference from regression models including neighborhood socioeconomic variables measured within 500 m circular buffers, Paris Metropolitan Area, 2007-2008

Model 1	Men				Women			
	BMI		Waist circumference		BMI		Waist circumference	
	β^a	(95% CI)	β^a	(95% CI)	β^a	(95% CI)	β^a	(95% CI)
Human Development Index of country of birth								
High ^b	0.00		0.00		0.00		0.00	
Medium	0.12	(-0.18 to 0.42)	-0.04	(-0.92 to 0.85)	0.61	(0.07 to 1.14)	0.55	(-0.72 to 1.82)
Low	-0.05	(-0.57 to 0.46)	-1.88	(-3.38 to -0.38)	2.22	(1.31 to 3.13)	4.76	(2.62 to 6.90)
Individual education								
High ^b	0.00		0.00		0.00		0.00	
Medium-high	0.35	(0.08 to 0.62)	0.49	(-0.29 to 1.28)	0.001	(-0.49 to 0.49)	-0.25	(-1.42 to 0.93)
Medium-low	0.70	(0.38 to 1.02)	1.54	(0.60 to 2.49)	1.01	(0.45 to 1.57)	1.87	(0.53 to 3.22)
Low	0.27	(-0.21 to 0.75)	0.06	(-1.35 to 1.47)	2.28	(1.48 to 3.09)	3.98	(2.06 to 5.91)
Occupation								
High white-collar ^b	0.00		0.00		0.00		0.00	
Intermediate	-0.30	(-0.76 to 0.16)	-1.28	(-2.63 to 0.07)	0.25	(-0.65 to 1.15)	-0.12	(-2.28 to 2.03)
Low white-collar	-0.32	(-0.59 to -0.05)	-1.06	(-1.85 to -0.27)	0.37	(-0.11 to 0.86)	1.09	(-0.06 to 2.26)
Blue-collar	-0.60	(-0.99 to -0.21)	-2.18	(-3.32 to -1.03)	-0.29	(-1.25 to 0.66)	-0.64	(-2.90 to 1.62)
Perceived financial strain (vs. not ^b)	0.22	(-0.10 to 0.53)	0.63	(-0.29 to 1.55)	0.48	(-0.01 to 0.98)	1.27	(0.09 to 2.44)
Low practice of cultural entertainments (vs. high ^b)	0.38	(0.09 to 0.66)	1.60	(0.76 to 2.44)	1.18	(0.69 to 1.68)	2.86	(1.68 to 4.05)
Health-related external locus of control (vs. not ^b)	0.28	(0.00 to 0.56)	1.01	(0.19 to 1.83)	0.77	(0.29 to 1.25)	2.03	(0.88 to 3.19)
Propensity to keep healthy resolutions (vs. not ^b)	-1.05	(-1.32 to -0.78)	-3.62	(-4.42 to -2.83)	-1.78	(-2.26 to -1.30)	-4.46	(-5.60 to -3.31)
Neighborhood education level								
4th quartile (high education) ^b	0.00		0.00		0.00		0.00	
3rd quartile (medium-high)	0.18	(-0.12 to 0.48)	0.14	(-0.72 to 1.01)	0.12	(-0.39 to 0.63)	0.24	(-0.97 to 1.46)

2nd quartile (medium-low)	0.35	(0.04 to 0.65)	0.59	(-0.29 to 1.47)	0.42	(-0.11 to 0.95)	0.70	(-0.55 to 1.95)
1st quartile (low education)	1.01	(0.68 to 1.34)	2.22	(1.26 to 3.18)	1.79	(1.21 to 2.38)	3.96	(2.57 to 5.35)
Model 2	Men				Women			
	BMI		Waist circumference		BMI		Waist circumference	
Variables	β^a	(95% CI)	β^a	(95% CI)	β^a	(95% CI)	β^a	(95% CI)
Human Development Index of country of birth								
High ^b	0.00		0.00		0.00		0.00	
Medium	0.18	(-0.13 to 0.48)	0.12	(-0.77 to 1.01)	0.59	(0.05 to 1.13)	0.53	(-0.75 to 1.80)
Low	0.06	(-0.46 to 0.57)	-1.59	(-3.10 to -0.09)	2.31	(1.40 to 3.22)	4.89	(2.74 to 7.03)
Individual education								
High ^b	0.00		0.00		0.00		0.00	
Medium-high	0.42	(0.15 to 0.69)	0.71	(-0.08 to 1.49)	0.09	(-0.40 to 0.58)	-0.08	(-1.24 to 1.09)
Medium-low	0.82	(0.50 to 1.14)	1.90	(0.96 to 2.84)	1.11	(0.55 to 1.66)	2.08	(0.74 to 3.41)
Low	0.36	(-0.12 to 0.84)	0.33	(-1.09 to 1.73)	2.37	(1.57 to 3.18)	4.21	(2.29 to 6.14)
Occupation								
High white-collar ^b	0.00		0.00		0.00		0.00	
Intermediate	-0.24	(-0.71 to 0.22)	-1.10	(-2.45 to 0.26)	0.29	(-0.60 to 1.19)	0.03	(-2.13 to 2.19)
Low white-collar	-0.31	(-0.58 to -0.04)	-1.00	(-1.79 to -0.20)	0.40	(-0.09 to 0.88)	1.17	(0.002 to 2.33)
Blue-collar	-0.54	(-0.94 to -0.15)	-1.98	(-3.13 to -0.83)	-0.27	(-1.23 to 0.68)	-0.49	(-2.76 to 1.78)
Perceived financial strain (vs. not ^b)	0.23	(-0.09 to 0.54)	0.66	(-0.26 to 1.58)	0.49	(-0.01 to 0.99)	1.24	(0.06 to 2.41)
Low practice of cultural entertainments (vs. high ^b)	0.39	(0.11 to 0.68)	1.64	(0.80 to 2.48)	1.22	(0.73 to 1.72)	3.03	(1.84 to 4.22)
Health-related external locus of control (vs. not ^b)	0.31	(0.03 to 0.59)	1.08	(0.26 to 1.91)	0.75	(0.27 to 1.24)	2.02	(0.86 to 3.18)
Propensity to keep healthy resolutions (vs. not ^b)	-1.04	(-1.31 to -0.76)	-3.60	(-4.39 to -2.80)	-1.82	(-2.30 to -1.34)	-4.56	(-5.71 to -3.41)
Neighborhood income level								
4 th quartile (high) ^b	0.00		0.00		0.00		0.00	
3 rd quartile (medium-high)	0.10	(-0.21 to 0.40)	-0.31	(-1.19 to 0.57)	0.02	(-0.50 to 0.54)	0.08	(-1.14 to 1.30)

2 nd quartile (medium-low)	0.28	(-0.03 to 0.60)	0.19	(-0.71 to 1.09)	0.48	(-0.05 to 1.01)	1.22	(-0.02 to 2.47)
1 st quartile (low)	0.42	(0.09 to 0.76)	0.49	(-0.48 to 1.46)	1.48	(0.91 to 2.05)	3.07	(1.73 to 4.43)
Model 3								
	Men				Women			
	BMI		Waist circumference		BMI		Waist circumference	
Variables	β^a	(95% CI)	β^a	(95% CI)	β^a	(95% CI)	β^a	(95% CI)
Human Development Index of country of birth								
High ^b	0.00		0.00		0.00		0.00	
Medium	0.18	(-0.12 to 0.48)	0.16	(-0.72 to 1.05)	0.62	(0.08 to 1.16)	0.59	(-0.68 to 1.87)
Low	0.06	(-0.45 to 0.58)	-1.52	(-3.02 to -0.02)	2.36	(1.44 to 3.28)	4.98	(2.83 to 7.13)
Individual education								
High ^b	0.00		0.00		0.00		0.00	
Medium-high	0.44	(0.17 to 0.70)	0.70	(-0.08 to 1.49)	0.13	(-0.37 to 0.62)	-0.01	(-1.18 to 1.16)
Medium-low	0.84	(0.52 to 1.16)	1.92	(0.99 to 2.86)	1.25	(0.69 to 1.80)	2.37	(1.04 to 3.70)
Low	0.39	(-0.09 to 0.86)	0.37	(-1.04 to 1.78)	2.55	(1.75 to 3.36)	4.59	(2.67 to 6.51)
Occupation								
High white-collar ^b	0.00		0.00		0.00		0.00	
Intermediate	-0.22	(-0.69 to 0.24)	-1.05	(-2.41 to 0.30)	0.35	(-0.55 to 1.25)	0.14	(-2.03 to 2.31)
Low white-collar	-0.30	(-0.57 to -0.03)	-0.97	(-1.76 to -0.17)	0.45	(-0.04 to 0.94)	1.27	(0.11 to 2.44)
Blue-collar	-0.52	(-0.91 to -0.13)	-1.93	(-3.08 to -0.78)	-0.20	(-1.16 to 0.76)	-0.45	(-2.72 to 1.83)
Perceived financial strain (vs. not ^b)	0.23	(-0.09 to 0.54)	0.69	(-0.23 to 1.61)	0.50	(-0.01 to 1.00)	1.26	(0.08 to 2.44)
Low practice of cultural entertainments (vs. high ^b)	0.40	(0.11 to 0.69)	1.65	(0.81 to 2.49)	1.28	(0.78 to 1.78)	3.13	(1.94 to 4.32)
Health-related external locus of control (vs. not ^b)	0.31	(0.03 to 0.59)	1.11	(0.28 to 1.93)	0.82	(0.34 to 1.31)	2.16	(1.00 to 3.32)
Propensity to keep healthy resolutions (vs. not ^b)	-1.03	(-1.31 to -0.76)	-3.59	(-4.39 to -2.80)	-1.83	(-2.31 to -1.34)	-4.57	(-5.73 to -3.42)
Neighborhood real estate prices								
4 th quartile (high) ^b	0.00		0.00		0.00		0.00	
3 rd quartile (medium-high)	-0.02	(-0.32 to 0.28)	-0.03	(-0.91 to 0.84)	0.10	(-0.42 to 0.62)	-0.002	(-1.23 to 1.22)

2 nd quartile (medium-low)	0.07	(-0.24 to 0.38)	0.24	(-0.66 to 1.13)	0.51	(-0.02 to 1.04)	1.33	(0.09 to 2.57)
1 st quartile (low)	0.34	(0.01 to 0.67)	0.29	(-0.66 to 1.24)	0.85	(0.29 to 1.40)	1.89	(0.59 to 3.20)

^aThe regression coefficients β are expressed in kg/m² in the model for BMI and in cm in the model for waist circumference.

^bReference category.

Models were adjusted for all the variables in the column, for age, and the examination center.

eAppendix 3. Logistic regressions used to obtain the propensity-scores for the odds of living in a neighborhood with a lower education, in three models successively comparing the 1st to the 4th, the 2nd to the 4th, and the 3rd to the 4th neighborhood education quartiles (BMI sample), Paris Metropolitan Area, 2007-2008

Variables	Men						Women					
	Model 1: 1 st vs. 4 th quartile		Model 2: 2 nd vs. 4 th quartile		Model 3: 3 rd vs. 4 th quartile		Model 1: 1 st vs. 4 th quartile		Model 2: 2 nd vs. 4 th quartile		Model 3: 3 rd vs. 4 th quartile	
	OR ^a	(95% CI)	OR ^a	(95% CI)	OR ^a	(95% CI)	OR ^a	(95% CI)	OR ^a	(95% CI)	OR ^a	(95% CI)
Human Development Index of country of birth												
High ^b	1.00		1.00		1.00		1.00		1.00		1.00	
Medium	1.98	(1.44 to 2.72)	1.47	(1.11 to 1.96)	1.19	(0.89 to 1.60)	1.17	(0.75 to 1.82)	0.97	(0.65 to 1.45)	1.30	(0.91 to 1.87)
Low	2.76	(1.61 to 4.73)	1.15	(0.66 to 2.02)	0.70	(0.38 to 1.29)	2.44	(1.04 to 5.70)	1.60	(0.71 to 3.60)	0.97	(0.40 to 2.33)
Individual education												
High ^b	1.00		1.00		1.00		1.00		1.00		1.00	
Medium-high	2.47	(1.88 to 3.25)	1.65	(1.32 to 2.07)	1.37	(1.10 to 1.71)	2.23	(1.49 to 3.35)	1.89	(1.37 to 2.61)	1.34	(1.00 to 1.79)
Medium-low	4.22	(3.03 to 5.87)	2.13	(1.58 to 2.88)	1.53	(1.14 to 2.06)	4.09	(2.58 to 6.47)	2.75	(1.84 to 4.11)	1.50	(1.02 to 2.20)
Low	2.15	(1.32 to 3.50)	1.13	(0.70 to 1.82)	0.91	(0.56 to 1.48)	4.39	(2.29 to 8.43)	1.76	(0.90 to 3.43)	1.43	(0.75 to 2.73)
Mother’s education												
High ^b	1.00		1.00		1.00		1.00		1.00		1.00	
Medium	1.33	(0.93 to 1.89)	1.24	(0.96 to 1.60)	1.06	(0.83 to 1.34)	1.81	(1.09 to 3.02)	1.25	(0.84 to 1.85)	1.21	(0.86 to 1.71)
Low	2.03	(1.35 to 3.04)	1.49	(1.08 to 2.06)	1.10	(0.81 to 1.50)	2.33	(1.32 to 4.09)	1.53	(0.97 to 2.44)	1.43	(0.95 to 2.16)
Father’s education												
High ^b	1.00		1.00		1.00		1.00		1.00		1.00	
Medium	1.50	(1.12 to 2.02)	1.27	(1.01 to 1.61)	1.24	(1.00 to 1.54)	1.06	(0.71 to 1.60)	1.43	(1.02 to 2.02)	1.15	(0.84 to 1.57)
Low	2.05	(1.45 to 2.92)	1.59	(1.19 to 2.14)	1.43	(1.08 to 1.90)	1.84	(1.17 to 2.90)	1.73	(1.16 to 2.59)	1.11	(0.76 to 1.61)
Household income												
High ^b	1.00		1.00		1.00		1.00		1.00		1.00	
Medium	2.11	(1.63 to 2.73)	1.57	(1.28 to 1.91)	1.13	(0.93 to 1.37)	1.54	(1.06 to 2.23)	1.62	(1.21 to 2.17)	1.41	(1.08 to 1.84)
Low	3.84	(2.66 to 5.55)	2.16	(1.55 to 2.99)	1.40	(1.00 to 1.96)	4.31	(2.64 to 7.04)	2.63	(1.71 to 4.06)	1.65	(1.09 to 2.51)

Occupation												
High white-collar ^b	1.00		1.00		1.00		1.00		1.00		1.00	
Intermediate	1.82	(1.17 to 2.82)	1.07	(0.70 to 1.61)	0.87	(0.56 to 1.33)	2.40	(1.19 to 4.83)	1.16	(0.65 to 2.06)	0.81	(0.45 to 1.46)
Low white-collar	1.31	(0.99 to 1.73)	1.08	(0.86 to 1.36)	1.24	(0.99 to 1.55)	2.02	(1.33 to 3.06)	1.10	(0.80 to 1.52)	1.09	(0.81 to 1.45)
Blue-collar	1.60	(1.08 to 2.39)	1.02	(0.69 to 1.50)	0.80	(0.53 to 1.19)	4.05	(1.67 to 9.81)	1.46	(0.60 to 3.60)	1.55	(0.64 to 3.78)
Perceived job precariousness (vs. not ^b)	0.65	(0.48 to 0.89)	0.79	(0.60 to 1.04)	0.93	(0.72 to 1.22)	0.91	(0.58 to 1.40)	0.90	(0.62 to 1.32)	0.87	(0.60 to 1.27)
Perceived financial strain (vs. not ^b)	1.00	(0.71 to 1.40)	0.92	(0.66 to 1.29)	0.94	(0.67 to 1.32)	1.05	(0.69 to 1.61)	0.99	(0.66 to 1.49)	1.02	(0.68 to 1.53)
No vacation in the past year (vs. yes ^b)	1.64	(1.17 to 2.29)	1.24	(0.89 to 1.74)	1.05	(0.74 to 1.48)	1.17	(0.76 to 1.82)	1.12	(0.74 to 1.68)	0.93	(0.63 to 1.39)
Low practice of cultural entertainments (vs. high ^b)	1.39	(1.03 to 1.87)	1.28	(0.96 to 1.70)	1.36	(1.02 to 1.80)	1.13	(0.76 to 1.70)	0.94	(0.65 to 1.37)	0.93	(0.65 to 1.34)
Health-related external locus of control (vs. not ^b)	1.20	(0.90 to 1.60)	1.01	(0.78 to 1.30)	0.98	(0.76 to 1.26)	1.34	(0.92 to 1.93)	0.85	(0.60 to 1.20)	0.73	(0.51 to 1.03)
Health-related internal locus of control (vs. not ^b)	0.91	(0.61 to 1.37)	0.70	(0.50 to 0.99)	1.00	(0.70 to 1.43)	0.75	(0.49 to 1.17)	0.86	(0.58 to 1.27)	1.05	(0.70 to 1.57)
Propensity to keep healthy resolutions (vs. not ^b)	1.04	(0.78 to 1.39)	0.98	(0.77 to 1.25)	1.07	(0.85 to 1.35)	0.77	(0.51 to 1.14)	0.87	(0.62 to 1.22)	1.00	(0.72 to 1.40)
Attitudes towards prevention (vs. not ^b)	0.82	(0.63 to 1.07)	0.94	(0.76 to 1.17)	0.90	(0.73 to 1.11)	0.89	(0.59 to 1.36)	0.92	(0.65 to 1.32)	0.95	(0.68 to 1.33)
High priority given to health (vs. not ^b)	1.48	(1.05 to 2.10)	1.00	(0.77 to 1.29)	0.88	(0.69 to 1.12)	1.57	(0.92 to 2.67)	1.37	(0.90 to 2.11)	1.38	(0.93 to 2.05)
Presence of children in the household (vs. not ^b)	1.19	(0.92 to 1.53)	1.06	(0.86 to 1.30)	1.06	(0.87 to 1.30)	1.22	(0.80 to 1.87)	1.20	(0.84 to 1.70)	1.25	(0.89 to 1.74)

For men: sample in the first model = 1026, sample in the second model = 1636, sample in the third model = 1970 to and for women: sample in the first model = 516, sample in the second model = 810, sample in the third model = 1032.

^aOdds ratio adjusted for all the variables included in the table.
^bReference category.

eAppendix 4. Associations with BMI and Waist Circumference from regression models estimated in the propensity-score matched samples, Paris Metropolitan Area, 2007-2008

BMI	Men						Women					
	Model 1: 1 st vs. 4 th quartile		Model 2: 2 nd vs. 4 th quartile		Model 3: 3 rd vs. 4 th quartile		Model 1: 1 st vs. 4 th quartile		Model 2: 2 nd vs. 4 th quartile		Model 3: 3 rd vs. 4 th quartile	
	β ^a	(95% CI)	β ^a	(95% CI)	β ^a	(95% CI)	β ^a	(95% CI)	β ^a	(95% CI)	β ^a	(95% CI)
Human Development Index of country of birth												
High ^b	0.00		0.00		0.00		0.00		0.00		0.00	
Medium	0.00	(-0.66 to 0.66)	-0.05	(-0.59 to 0.49)	0.31	(-0.18 to 0.81)	0.54	(-1.00 to 2.07)	0.73	(-0.21 to 1.66)	0.48	(-0.28 to 1.24)
Low	-0.10	(-1.20 to 1.01)	0.02	(-1.02 to 1.06)	1.03	(-0.07 to 2.13)	1.02	(-1.59 to 3.63)	1.26	(-0.77 to 3.29)	1.15	(-0.90 to 3.20)
Individual education												
High ^b	0.00		0.00		0.00		0.00		0.00		0.00	
Medium-high	0.17	(-0.40 to 0.73)	0.25	(-0.16 to 0.66)	0.24	(-0.13 to 0.61)	-0.80	(-2.11 to 0.50)	-0.43	(-1.19 to 0.33)	0.23	(-0.38 to 0.84)
Medium-low	0.45	(-0.22 to 1.12)	0.44	(-0.10 to 0.98)	0.68	(0.20 to 1.17)	0.28	(-1.12 to 1.67)	1.06	(0.14 to 1.98)	1.26	(0.51 to 2.02)
Low	-0.08	(-1.06 to 0.91)	0.51	(-0.32 to 1.35)	0.35	(-0.47 to 1.17)	1.39	(-0.57 to 3.34)	1.62	(0.08 to 3.16)	2.58	(1.30 to 3.87)
Occupation												
High white-collar ^b	0.00		0.00		0.00		0.00		0.00		0.00	
Intermediate	-0.17	(-1.05 to 0.71)	-0.77	(-1.53 to -0.001)	-0.26	(-0.99 to 0.46)	1.19	(-1.03 to 3.41)	1.19	(-0.22 to 2.60)	-	(-1.25 to 1.24)
Low white-collar	-0.19	(-0.75 to 0.36)	-0.39	(-0.81 to 0.03)	-0.36	(-0.73 to 0.01)	0.89	(-0.38 to 2.15)	0.45	(-0.27 to 1.18)	-	(-0.65 to 0.53)
Blue-collar	-0.15	(-0.94 to 0.65)	-0.66	(-1.35 to 0.03)	-0.04	(-0.71 to 0.63)	0.66	(-2.18 to 3.50)	0.15	(-2.01 to 2.31)	-	(-2.68 to 1.04)
Perceived financial strain (vs. not ^b)	0.02	(-0.65 to 0.68)	0.81	(0.23 to 1.38)	0.28	(-0.27 to 0.83)	1.13	(-0.17 to 2.42)	0.91	(-0.01 to 1.82)	1.45	(0.67 to 2.24)
Low practice of cultural entertainments (vs. high ^b)	0.38	(-0.22 to 0.98)	0.20	(-0.32 to 0.72)	0.36	(-0.11 to 0.84)	0.70	(-0.56 to 1.95)	1.51	(0.63 to 2.40)	1.18	(0.41 to 1.95)
Health-related external locus of control (vs. not ^b)	-0.19	(-0.82 to 0.43)	0.06	(-0.43 to 0.55)	0.03	(-0.41 to 0.47)	0.92	(-0.32 to 2.15)	1.15	(0.30 to 1.99)	0.42	(-0.30 to 1.15)
Propensity to keep healthy resolutions (vs. not ^b)	-0.51	(-1.10 to 0.07)	-0.92	(-1.35 to -0.48)	-1.45	(-1.85 to -1.05)	-2.12	(-3.33 to -0.92)	-1.60	(-2.39 to -0.80)	- 1.94	(-2.63 to -1.26)
Neighborhood education level												
High education ^b	0.00		0.00		0.00		0.00		0.00		0.00	
Low education	0.85	(0.40 to 1.30)	0.18	(-0.17 to 0.53)	0.06	(-0.25 to 0.36)	2.19	(1.25 to 3.14)	0.30	(-0.30 to 0.90)	0.11	(-0.38 to 0.60)

Waist circumference	Men						Women					
	Model 1: 1 st vs. 4 th quartile		Model 2: 2 nd vs. 4 th quartile		Model 3: 3 rd vs. 4 th quartile		Model 1: 1 st vs. 4 th quartile		Model 2: 2 nd vs. 4 th quartile		Model 3: 3 rd vs. 4 th quartile	
Variables	β ^a	(95% CI)	β ^a	(95% CI)	β ^a	(95% CI)	β ^a	(95% CI)	β ^a	(95% CI)	β ^a	(95% CI)
Human Development Index of country of birth												
High ^b	0.00		0.00		0.00		0.00		0.00		0.00	
Medium	0.08	(-1.79 to 1.95)	-0.15	(-1.72 to 1.41)	-0.02	(-1.55 to 1.51)	0.73	(-2.65 to 4.11)	1.37	(-0.87 to 3.62)	0.26	(-1.60 to 2.13)
Low	-1.43	(-4.53 to 1.68)	-2.44	(-5.49 to 0.61)	0.85	(-2.44 to 4.14)	4.75	(-1.28 to10.79)	3.49	(-1.39 to 8.36)	3.71	(-1.55 to 8.97)
Individual education												
High ^b	0.00		0.00		0.00		0.00		0.00		0.00	
Medium-high	0.10	(-1.53 to 1.72)	0.20	(-1.02 to 1.41)	-0.31	(-1.44 to 0.81)	-1.21	(-4.16 to 1.74)	-0.61	(-2.46 to 1.23)	0.16	(-1.36 to 1.68)
Medium-low	1.86	(-0.03 to 3.75)	1.10	(-0.52 to 2.71)	0.96	(-0.55 to 2.47)	1.35	(-1.83 to 4.53)	2.54	(0.32 to 4.75)	2.11	(0.20 to 4.02)
Low	-0.68	(-3.52 to 2.15)	0.49	(-1.99 to 2.98)	-0.34	(-2.86 to 2.17)	5.39	(1.02 to 9.75)	3.18	(-0.38 to 6.73)	4.60	(1.28 to 7.93)
Occupation												
High white-collar ^b	0.00		0.00		0.00		0.00		0.00		0.00	
Intermediate	-1.40	(-3.92 to 1.13)	-2.02	(-4.28 to 0.24)	-0.56	(-2.77 to 1.64)	1.72	(-3.35 to 6.80)	1.67	(-1.64 to 4.98)	-1.61	(-4.59 to 1.38)
Low white-collar	-1.50	(-3.09 to 0.10)	-1.58	(-2.84 to -0.32)	-0.91	(-2.05 to 0.23)	3.01	(0.05 to 5.97)	1.62	(-0.14 to 3.39)	-0.21	(-1.71 to 1.28)
Blue-collar	-0.94	(-3.22 to 1.33)	-1.87	(-3.91 to 0.18)	-0.84	(-2.89 to 1.22)	0.36	(-5.79 to 6.52)	-1.87	(-6.54 to 2.81)	-1.37	(-5.89 to 3.15)
Perceived financial strain (vs. not ^b)	-0.25	(-2.10 to 1.61)	1.90	(0.18 to 3.62)	1.11	(-0.54 to 2.77)	2.92	(-0.05 to 5.88)	2.82	(0.65 to 4.98)	3.24	(1.30 to 5.17)
Low practice of cultural entertainments (vs. high ^b)	1.48	(-0.25 to 3.21)	0.91	(-0.63 to 2.46)	1.59	(0.13 to 3.05)	-0.59	(-3.47 to 2.29)	2.61	(0.47 to 4.74)	2.98	(1.04 to 4.92)
Health-related external locus of control (vs. not ^b)	-0.53	(-2.30 to 1.25)	0.34	(-1.11 to 1.80)	0.60	(-0.77 to 1.98)	2.41	(-0.33 to 5.15)	1.66	(-0.35 to 3.66)	1.42	(-0.45 to 3.29)
Propensity to keep healthy resolutions (vs. not ^b)	-2.83	(-4.49 to -1.17)	-3.93	(-5.22 to -2.64)	-3.99	(-5.21 to -2.77)	-4.65	(-7.39 to -1.92)	-4.18	(-6.06 to -2.30)	-5.70	(-7.39 to -4.00)
Neighborhood education level												
High education ^b	0.00		0.00		0.00		0.00		0.00		0.00	
Low education	1.94	(0.63 to 3.25)	0.38	(-0.63 to 1.39)	-0.14	(-1.05 to 0.76)	3.94	(1.71 to 6.17)	0.59	(-0.91 to 2.08)	0.02	(-1.21 to 1.26)

^aThe regression coefficients β are expressed in kg/m² in the model for BMI and in cm in the model for waist circumference.

^bReference category.

Models were adjusted for all variables reported in the table, age, and the examination center.

Appendix 5. Descriptive information for the RECORD participant's matched and not matched during propensity-score matching for BMI, Paris Metropolitan Area, 2007-2008

BMI	Men						Women					
	Quartile 1			Quartile 4			Quartile 1			Quartile 4		
	Matched n=513	Not matched n=671	Chi- square	Matched n=513	Not matched n=671	Chi- square	Matched n=258	Not matched n=365	Chi- square	Matched n=258	Not matched n=365	Chi- square
Mean age	49.9	46.5	-	50.1	52.9	-	51.8	43.3	-	53.0	55.0	-
% of low education	8.2%	17.9%	23.1**	8.0%	0.6%	43.5**	10.9%	25.8%	21.3**	7.8%	0.8%	20.4*
% with low educated mothers	46.4%	78.4%	130.0*	47.8%	15.1%	150.4*	51.9%	74.5%	34.0**	52.7%	21.1%	67.2*
% with low educated fathers	38.0%	60.1%	56.5**	37.0%	10.4%	120.1*	42.6%	60.8%	20.1**	45.0%	15.1%	67.8*
% with low household income	22.2%	64.1%	205.1*	20.1%	2.1%	105.7*	26.0%	76.7%	157.7*	24.4%	4.7%	52.7*
% of blue collar workers	15.2%	37.9%	73.9**	13.7%	0.2%	93.9**	3.9%	20.0%	34.0**	3.5%	0.0%	12.9*
% with low Human Development Index of country of birth	5.1%	16.4%	36.7**	4.1%	0.8%	15.2**	4.5%	14.3%	16.6**	3.1%	0.8%	4.5*
% of perceived job precariousness	20.7%	26.5%	5.5*	18.1%	9.7%	17.9**	17.4%	34.8%	22.8**	18.2%	10.4%	7.8*
% of perceived financial strain	15.6%	32.9%	46.1**	14.0%	2.2%	59.5**	19.4%	43.6%	39.6**	19.0%	6.0%	25.2*
% without vacations over 1 year	17.5%	38.5%	61.2**	13.4%	2.8%	47.6**	20.9%	43.6%	34.4**	19.0%	5.5%	28.8*
% with low practice of cultural entertainments	22.8%	50.4%	93.4**	20.3%	3.3%	88.3**	23.3%	59.2%	79.0**	22.5%	7.1%	30.6*
% with health-related external locus of control	17.9%	46.1%	102.6*	16.4%	10.1%	10.1**	22.9%	52.1%	53.7**	20.9%	11.8%	9.6**
% with health-related internal locus of control	92.6%	86.0%	12.8**	91.8%	95.7%	7.7**	85.7%	79.2%	4.3*	87.6%	92.3%	3.9*
% with propensity to keep healthy resolutions	78.6%	74.1%	3.21	78.8%	80.9%	0.86	79.5%	67.4%	11.0**	76.7%	85.5%	7.8**
% with an attitude towards prevention	78.7%	75.3%	1.9	77.2%	80.9%	2.5	84.9%	74.5%	9.7*	84.5%	85.8%	0.19
% giving high priority to health	88.9%	93.0%	6.1*	89.5%	80.9%	16.3**	90.3%	94.5%	4.0*	90.7%	86.0%	3.1
% with children present in the household	26.9%	46.2%	46.0*	25.9%	28.3%	0.84	19.0%	41.1%	34.0**	17.8%	16.7%	0.13
P-value *p<0.05 to **p<0.01												

eAppendix 6 (part A). Results of quantile regression models for the association between neighborhood education and BMI (non-multilevel model adjusted for age, examination center, Human Development Index of the country of birth, individual education level, occupation, perceived financial strain, low practice of cultural entertainments, health-related external locus of control, and propensity to keep healthy resolutions), Paris Metropolitan Area, n=7230

	Quantiles					
	10	25	50	75	90	
Full sample						OLS ^a
Neighborhood education						
High ^b	0.0	0.0	0.0	0.0	0.0	0.0
Medium-high	0.19 (-0.09 to 0.47)	0.10 (-0.15 to 0.35)	0.19 (-0.06 to 0.44)	0.21 (-0.10 to 0.51)	0.07 (-0.43 to 0.57)	0.17 (-0.09 to 0.43)
Medium-low	0.44 (0.16 to 0.71)	0.19 (-0.09 to 0.46)	0.21 (-0.06 to 0.48)	0.41 (0.05 to 0.77)	0.67 (0.14 to 1.19)	0.40 (0.14 to 0.67)
Low	0.98 (0.67 to 1.29)	0.92 (0.63 to 1.21)	1.01 (0.69 to 1.34)	1.41 (0.97 to 1.85)	2.07 (1.34 to 2.80)	1.32 (1.02 to 1.61)
Among females						
Neighborhood education						
High ^b	0.0	0.0	0.0	0.0	0.0	0.0
Medium-high	0.40 (-0.03 to 0.83)	0.19 (-0.21 to 0.59)	-0.01 (-0.51 to 0.50)	0.40 (-0.30 to 1.11)	-0.51 (-1.47 to 0.45)	0.12 (-0.39 to 0.62)
Medium-low	0.60 (0.16 to 1.04)	0.35 (-0.07 to 0.77)	0.27 (-0.22 to 0.76)	0.33 (-0.46 to 1.11)	0.36 (-1.08 to 1.80)	0.42 (-0.10 to 0.94)
Low	1.12 (0.49 to 1.75)	1.10 (0.49 to 1.72)	1.41 (0.78 to 2.03)	2.52 (1.60 to 3.45)	3.30 (1.80 to 4.80)	1.79 (1.21 to 2.37)
Among males						
Neighborhood education						
High ^b	0.0	0.0	0.0	0.0	0.0	0.0
Medium-high	0.10 (-0.29 to 0.49)	0.06 (-0.24 to 0.35)	0.12 (-0.18 to 0.43)	0.13 (-0.25 to 0.52)	0.31 (-0.20 to 0.81)	0.19 (-0.09 to 0.48)
Medium-low	0.46 (0.05 to 0.87)	0.25 (-0.09 to 0.58)	0.24 (-0.05 to 0.53)	0.38 (0.01 to 0.74)	0.63 (0.13 to 1.14)	0.36 (0.06 to 0.65)
Low	1.07 (0.60 to 1.54)	0.92 (0.58 to 1.27)	0.82 (0.45 to 1.20)	0.83 (0.37 to 1.28)	1.37 (0.69 to 2.05)	1.01 (0.69 to 1.33)

^aOrdinary linear regression models.

^bReference category.

eAppendix 6 (part B). BMI values at quantile cutoff, Paris Metropolitan Area, n=7230

	Quantile					Mean BMI
	10	25	50	75	90	
Full sample	20.66	22.66	25.00	27.70	30.73	25.45
Among females	19.63	21.30	23.80	27.24	31.64	24.88
Among males	21.54	23.40	25.40	27.77	30.44	25.76