

## Physical activity in adolescents living in rural and urban New Caledonia: the role of socioenvironmental factors and the association with weight status

### Supplementary Material

**Table S1. Anthropometric, sociodemographic characteristics and physical activities of the female adolescents according to ethnic community and place of living. Numbers indicate “Mean ± Standard deviation” for the numeric factors (noted with <sup>m</sup>) and “Size (%)” for the categorical factors (noted with <sup>p</sup>).**

	Melanesian				Caucasian				Polynesian				
	All	Rural	Urban	p-value	All	Rural	Urban	p-value	All	Rural	Urban	p-value	
Number of participants	176	161	15		91	55	36		15	5	10		
Age (years) <sup>m</sup>	13.44 ± 1.21	13.37 ± 1.18	14.17 ± 1.31*	0.013	13.83 ± 1.42	13.30 ± 1.24	14.64 ± 1.31	< 0.001	13.46 ± 1.86	13.18 ± 1.78	13.6 ± 1.98	0.698	
SES	Low <sup>p</sup>	101 (57.39)	98 (60.87)	3 (20.00)		30 (43.96)	24 (43.64)	6 (16.67)		4 (26.67)	3 (60.00)	1 (10.00)	
	Intermediate <sup>p</sup>	43 (24.43)	36 (22.36)	7 (46.67)	0.005	21 (23.08)	10 (18.18)*	11 (30.56)	0.026	5 (33.33)	0 (0.00)	5 (50.00)	
	High <sup>p</sup>	32 (18.18)	27 (16.77)	5 (33.33)		40 (43.96)	21 (38.18)	19 (52.78)		6 (40.00)	2 (40.00)	4 (40.00)	
Anthropometry	Height (m) <sup>m</sup>	1.57 ± 0.07	1.56 ± 0.07	1.59 ± 0.07	0.122	1.58 ± 0.08	1.57 ± 0.08	1.61 ± 0.07*	0.018	1.59 ± 0.08	1.56 ± 0.07	1.6 ± 0.09	0.398
	Mass (kg) <sup>m</sup>	55.95 ± 13.41	56.37 ± 13.75	51.43 ± 7.83	0.042	54.86 ± 17.14	56.8 ± 19.84	51.9 ± 11.57	0.141	61.35 ± 17.15	60.86 ± 18.47	61.60 ± 17.48	0.941
	BMI (kg/m <sup>2</sup> ) <sup>m</sup>	22.67 ± 4.72	22.89 ± 4.79	20.29 ± 3.01	0.041	21.75 ± 5.84	22.91 ± 6.84	19.97 ± 3.19	0.041	24.00 ± 5.25	24.71 ± 6.00	23.65 ± 5.14	0.726
	IOTF BMI z-score <sup>m</sup>	0.97 ± 1.06	1.03 ± 1.05	0.24 ± 0.98	0.006	0.55 ± 1.23	0.89 ± 1.25	0.02 ± 1.01	0.001	1.21 ± 1.35	1.41 ± 1.34	1.11 ± 1.41	0.692
IOTF weight status	Not overweight <sup>p</sup>	101 (57.39)	90 (55.90)	11 (73.33)		68 (74.73)	36 (65.45)	32 (88.89)		6 (40.00)	1 (20.00)	5 (50.00)	
	Overweight <sup>p</sup>	75 (42.61)	71 (44.10)	4 (26.67)	0.302	23 (25.27)	19 (34.55)	4 (11.11)	0.023	9 (60.00)	4 (80.00)	5 (50.00)	
Physical activity and sitting time	PA (min/day) <sup>m</sup>	113 ± 64	115 ± 63*	88 ± 75	0.118	85 ± 67	93 ± 75	72 ± 49	0.462	73 ± 43	75 ± 64	71 ± 31	0.862
	Out-of-school sitting time (min/day) <sup>m</sup>	164 ± 158	166 ± 158	156 ± 166	0.826	295 ± 218	271 ± 218	332 ± 217	0.144	152 ± 134	96 ± 53	180 ± 155	0.331
	PA ≥ 60 min/day <sup>p</sup>	129 (73.30)	122 (75.78)	7 (46.67)	0.028	48 (52.45)	29 (52.73)	19 (52.78)	1.000	9 (60.00)	3 (60.00)	6 (60.00)	
	Out-of-school sitting time ≥ 120 min/day <sup>p</sup>	73 (41.48)	66 (40.99)	7 (46.67)	0.879	62 (68.13)	33 (60.00)	29 (80.56)	0.068	8 (53.33)	2 (40.00)	6 (60.00)	
Socio-environmental factors	Siblings <sup>m</sup>	3.9 ± 2.8	3.9 ± 2.8	3.9 ± 2.7	0.885	2.1 ± 1.6	2.3 ± 1.7	1.9 ± 1.3	0.679	2.6 ± 1.5	3.2 ± 1.6	2.3 ± 1.5	0.288
	Peers <sup>p</sup>	107 (60.80)	101 (62.73)	6 (40.00)	0.148	61 (67.03)	37 (67.27)	24 (66.67)	1.000	5 (33.33)	1 (20.00)	4 (40.00)	
	Family <sup>p</sup>	121 (68.75)	111 (69.94)	10 (66.67)	1.000	50 (54.95)	34 (61.82)	16 (44.44)	0.158	10 (66.67)	2 (40.00)	8 (80.00)	
	Safety of area <sup>p</sup>	111 (63.07)	103 (63.98)	8 (53.33)*	0.591	54 (59.34)	30 (54.55)	24 (66.67)	0.351	11 (73.33)	4 (80.00)	7 (70.00)	
	Accessibility of area <sup>p</sup>	119 (67.61)	112 (69.57)	7 (46.67)	0.086	77 (84.62)	45 (81.82)	32 (88.89)	0.537	10 (66.67)	3 (60.00)	7 (70.00)	

\* Significant difference between boys and girls (p < 0.05).

<sup>m</sup> Numbers for this line are: Mean ± Standard deviation.

<sup>p</sup> Numbers for this line are: Size (%).