

Table S4. P-values of overall tests (One-way ANOVA or Kruskal-Wallis test for numeric variables – noted with ^m – and χ^2 or Fisher’s exact test for categorical variables– noted with ^p) and post-hoc tests for ethnic community comparison according to place of living in male adolescents.

	All			Rural			Urban					
	Overall test [*]	Post-hoc test		Overall test [*]	Post-hoc test		Overall test [*]	Post-hoc test				
		M-C	M-P	C-P		M-C	M-P	C-P	M-C	M-P	C-P	
Age (years) ^m	0.208 ^S				0.487 ^S				0.011 ^M	0.027	0.915	0.041
SES ^p	0.001 ^M	0.001	1.000	0.204	0.051 ^M				0.057 ^L			
Height (m) ^m	0.023 ^S	0.092	0.083	0.676	0.860 ^S				0.022 ^M	0.018	0.250	0.844
Mass (kg) ^m	0.025 ^S	0.594	0.048	0.017	0.063 ^S				0.305 ^S			
BMI (kg/m ²) ^m	0.009 ^S	0.038	0.313	0.021	0.105 ^S				0.045 ^M	0.096	0.891	0.095
IOTF BMI z-score ^m	0.002 ^S	0.004	0.503	0.017	0.151 ^S				0.009 ^L	0.023	0.908	0.035
IOTF weight status ^p	0.007 ^S	0.053	0.546	0.031	0.067 ^S				0.024 ^M	0.135	1.000	0.083
PA (min/day) ^m	0.017 ^S	0.061	0.085	0.767	0.008 ^S	0.018	0.164	0.953	0.614 ^S			
Out-of-school sitting time ^m	0.001 ^S	0.001	0.151	0.971	0.024 ^S	0.019	0.830	0.755	0.085 ^S			
PA \geq 60 min/day ^p	0.208 ^S				0.105 ^S				0.562 ^S			
Out-of-school sitting time \geq 120 min/day ^p	< 0.001 ^M	< 0.001	0.097	1.000	0.004 ^M	0.009	1.000	1.000	0.030 ^M	0.093	0.208	1.000
Siblings ^m	< 0.001 ^M	< 0.001	0.637	0.168	0.072 ^S				0.029 ^M	0.110	0.800	0.040
Peers ^p	0.998 ^S				0.577 ^S				0.624 ^S			
Family ^p	0.122 ^S				0.379 ^S				0.836 ^S			
Safety of area ^p	0.022 ^S	0.237	0.068	0.822	0.379 ^S				0.032 ^M	0.338	0.044	0.832
Accessibility of area ^p	0.013 ^S	0.454	0.105	0.015	0.639 ^S				0.010 ^L	1.000	0.171	0.013

In the “Post-hoc test” columns: “M-C” sub-columns mean comparison between Melanesians and Caucasians, “M-P” sub-columns mean comparison between Melanesians and Polynesians and “C-P” sub-columns mean comparison between Caucasians and Polynesians.

^m Numerical factors.

^p Categorical factors.

* Superscript letters inform about the effect size magnitude: small (S), moderate (M) and large (L).