

Appendix Table A1. Summary statistics (Mean±SD) for participants with available body metric and nutritional factors data, stratified by sex and age group.

	FACTORS		ETHNICITY				REFRACTIVE ERROR STATUS		
	Sex	Age	White	Black	Mex. Am.	Other Hisp.	Multi/Other	Myope	Non-myope
Standing Height (cm) ^{^+##}	Male	12-18 y	170.91±11.09	170.49±10.65	166.93±10.13	167.58±10.02	167.67±11.89	170.03±10.65	168.95±10.83
		19-25 y	178.70±7.05	178.35±7.12	170.90±7.75	172.29±6.35	175.56±8.79	176.98±7.73	175.76±8.14
	Female	12-18	162.13±6.79	161.59±6.89	157.84±6.43	158.54±6.331	159.49±7.35	160.65±7.00	160.22±6.95
		19-25	164.58±6.24	162.99±6.90	158.40±6.37	60.82±7.55	160.42±6.02	162.96±6.79	161.48±7.06
BMI (kg/cm ²) ^{^+#}	Male	12-18	23.07±5.34	23.25±5.84	23.78±5.67	23.34±5.15	22.98±5.81	23.91±5.78	23.08±5.52
		19-25	25.74±5.60	26.56±6.54	26.44±5.29	26.19±5.77	25.15±5.20	26.44±6.19	25.99±5.59
	Female	12-18	23.12±5.27	25.36±6.76	24.01±5.67	24.19±6.08	22.17±5.10	24.42±6.08	23.94±5.96
		19-25	26.08±6.30	28.38±7.38	27.25±6.21	26.24±5.92	24.12±5.94	25.88±6.17	27.53±6.79
Vitamin D (nmol/L) ^{^+##}	Male	12-18	70.40±17.93	45.41±16.56	55.18±15.57	57.42±19.18	56.30±17.95	55.14±19.07	56.09±19.51
		19-25	67.33±20.27	37.28±14.13	54.14±15.64	48.70±15.91	45.76±15.38	52.40±20.76	54.44±21.26
	Female	12-18	71.03±22.94	39.37±14.86	50.17±15.02	58.76±19.24	47.89±16.36	50.85±20.43	53.10±22.16
		19-25	76.46±26.47	39.15±16.70	51.16±18.88	57.71±21.27	48.96±20.92	60.32±27.04	56.51±26.33
Caffeine (mg) ^{^+##}	Male	12-18	60.08±61.32	20.98±33.23	41.89±46.74	38.45±48.70	44.18±52.12	38.34±48.80	40.36±50.74
		19-25	88.59±76.55	39.38±49.47	67.44±59.55	53.90±56.40	62.64±75.78	61.84±65.07	69.11±68.80
	Female	12-18	51.63±54.01	23.01±34.19	33.29±39.64	27.62±33.13	28.49±33.56	34.80±43.72	34.64±43.69
		19-25	71.72±67.93	35.78±46.53	48.88±50.51	62.67±70.43	53.15±53.19	54.29±60.04	55.70±59.64
Glucose (mmol/L) ^{^+##}	Male	12-18	5.26±0.41	5.11±0.43	5.28±0.47	5.32±0.44	5.32±0.35	38.34±48.48	40.36±50.74
		19-25	5.19±0.45	5.15±0.38	5.37±0.49	5.25±0.52	5.32±0.45	61.84±65.07	69.11±68.80
	Female	12-18	5.04±0.42	4.87±0.45	5.06±0.46	5.12±0.42	5.12±0.40	5.03±0.45	4.98±0.45
		19-25	4.89±0.44	4.82±0.46	5.01±0.52	4.98±0.63	4.95±0.32	4.93±0.48	4.91±0.48
Insulin (pmol/L) ^{^+##}	Male	12-18	63.36±46.05	67.36±48.94	73.14±46.60	74.74±51.42	61.21±32.66	72.85±49.15	66.07±46.24
		19-25	55.28±43.74	54.29±48.16	67.03±45.97	61.50±47.60	46.47±26.36	61.31±48.96	55.88±43.21
	Female	12-18	67.15±36.86	83.09±52.80	82.94±50.38	85.73±55.20	69.04±43.81	81.89±51.50	75.86±46.17
		19-25	59.60±46.12	81.46±54.17	79.93±47.10	80.33±58.31	60.59±51.90	72.23±53.32	72.05±48.76

= significant sex effect in those aged 12-18 (data pooled across ethnicity & myopia status)
 * = significant sex effect in those aged 19-25 (data pooled across ethnicity & myopia status)
 ^ = significant ethnicity effect in those aged 12-18 (data pooled across sex & myopia status)
 + = significant ethnicity effect in those aged 19-25 (data pooled across sex & myopia status) Note: no significant effect found related to myopia status for any factor in either sex or age group. Unit abbreviations: centimeters (cm), kilogram per centimeter (kg/cm), millimole (mmol), milligram (mg), nanomoles per liter (nmol/L), millimoles per liter (mmol/L), picomoles per liter (pmol/L)