

Supplemental Digital Content 2 Intra-class correlation coefficients of leisure-time physical activity (LTPA) and academic performance (AP) in twin pairs by zygosity and sex.

Variables	Sex	Intra-class correlation					
		MZ pairs		DZ same sex pairs		DZ opposite sex pairs	
		r ² (95% CI)	Number of twin pairs	r ² (95% CI)	Number of twin pairs	r ² (95% CI)	Number of twin pairs
LTPA at age 12	♂	0.66 (0.60–0.71)	393	0.51 (0.43–0.57)	419	0.28 (0.22–0.35)	779
	♀	0.70 (0.65–0.75)	422	0.60 (0.53–0.66)	366		
LTPA at age 14	♂	0.63 (0.57–0.69)	354	0.37 (0.28–0.46)	377	0.20 (0.13–0.27)	710
	♀	0.62 (0.55–0.68)	388	0.43 (0.34–0.52)	339		
LTPA at age 17	♂	0.71 (0.66–0.77)	310	0.45 (0.35–0.53)	325	0.20 (0.12–0.27)	623
	♀	0.64 (0.57–0.69)	368	0.37 (0.27–0.46)	318		
LTPA at age 24	♂	0.56 (0.46–0.64)	204	0.22 (0.07–0.36)	174	0.15 (0.05–0.25)	400
	♀	0.45 (0.35–0.53)	306	0.24 (0.12–0.35)	249		
AP at age 12	♂	0.81 (0.77–0.84)	339	0.53 (0.44–0.60)	346	0.47 (0.41–0.53)	650
	♀	0.78 (0.74–0.82)	359	0.48 (0.39–0.56)	314		
AP at age 14	♂	0.78 (0.73–0.83)	210	0.61 (0.51–0.69)	201	0.47 (0.39–0.55)	375
	♀	0.80 (0.75–0.85)	232	0.61 (0.52–0.69)	194		
AP at age 17	♂	0.75 (0.70–0.79)	308	0.62 (0.55–0.68)	320	0.36 (0.29–0.42)	625
	♀	0.72 (0.67–0.77)	368	0.53 (0.44–0.60)	321		
AP at age 24	♂	0.69 (0.61–0.75)	205	0.50 (0.37–0.60)	168	0.39 (0.30–0.47)	395
	♀	0.73 (0.67–0.78)	292	0.52 (0.42–0.61)	230		

MZ=monozygotic, DZ=dizygotic, CI=confidence intervals