## Brain structure mediates the association between height and cognitive ability

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## **Supplementary material**

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**Supplementary Figure 1** 

Supplementary Table 1. Mediation model results demonstrating the associations between total surface area (SA, independent variable), height (mediator variable) and general cognitive ability (GCA, dependent variable).

A) Height was significantly associated with GCA.

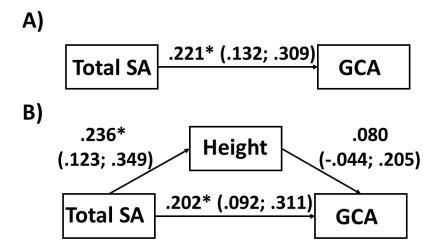
GCA	Coefficient	Standard error	Z	p	95% confidence intervals
Height	.129	.046	2.80	0.005	.039; .219

B) Height was significantly associated with total SA.

Total SA	Coefficient	Standard error	Z	p	95% confidence intervals
Height	.238	.043	5.52	< 0.001	.153; .322

C) Total SA but not height was associated with GCA in a mediation model.

GCA	Coefficient	Standard error	Z	p	95% confidence intervals
Total SA	.202	.046	4.35	<.001	.111; .293
Height	.080	.047	1.72	0.085	011; .171



Supplementary Fig.1. Associations between total surface area (SA), height and general cognitive ability (GCA). Path estimates with 95% confidence intervals in parentheses. A) Path estimates for the effect of total SA on GCA. B) Mediation model path estimates of direct and indirect effects from total SA to GCA. \* = statistically significant path estimates. All variables standardized (M = 0, SD = 1).