

Table S10: Multilevel-linear regression results (regression coefficients and [95% confidence intervals]) predicting school Grades in Chemistry (Intersectional models).

	Model no IE	Model 2-way IE	Model 4-way IE	Model no IE	Model 2-way IE	Model 4-way IE
Gender (ref: boy)						
Girl	0.01 [-0.04,0.06]	-0.01 [-0.07,0.05]	0.01 [-0.04,0.06]	0.01 [-0.04,0.06]	-0.01 [-0.07,0.05]	0.01 [-0.04,0.06]
BMI (ref: non-overweight/obese)						
Overweight/obese	-0.07* [-0.15,-0.00]	-0.08 [-0.19,0.02]	-0.08* [-0.16,-0.00]	-0.07* [-0.15,-0.00]	-0.08 [-0.19,0.02]	-0.08 [-0.15,0.00]
SES (z)	0.04** [0.02,0.07]	0.02 [-0.01,0.06]	0.03 [-0.01,0.06]	0.04*** [0.02,0.07]	0.02 [-0.01,0.06]	0.03 [-0.01,0.06]
Minority status / group (ref: majority)						
Minority	-0.06* [-0.12,-0.01]	-0.10* [-0.18,-0.02]	-0.06* [-0.11,-0.01]			
Turkey				-0.02	-0.02	-0.04
FSU				[-0.11,0.08]	[-0.18,0.14]	[-0.17,0.08]
NW+South Europe				-0.03	-0.01	-0.02
				[-0.13,0.07]	[-0.16,0.14]	[-0.13,0.08]
				-0.11*	-0.19*	-0.12*
				[-0.21,-0.01]	[-0.37,-0.01]	[-0.22,-0.02]

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Table S10: Continuation from the previous page

	Model no IE	Model 2-way IE	Model 4-way IE	Model no IE	Model 2-way IE	Model 4-way IE
Central-Eastern Europe						
				-0.10*	-0.20*	-0.09
				[-0.19,-0.00]	[-0.35,-0.04]	[-0.18,0.00]
Other				-0.05	-0.09	-0.06
				[-0.13,0.03]	[-0.21,0.03]	[-0.14,0.02]
Test score	0.25***	0.24***	0.24***	0.25***	0.25***	0.25***
	[0.22,0.27]	[0.22,0.27]	[0.22,0.27]	[0.22,0.27]	[0.22,0.27]	[0.22,0.27]
Reasoning score	0.07***	0.07***	0.07***	0.07***	0.07***	0.07***
	[0.04,0.10]	[0.04,0.10]	[0.04,0.10]	[0.04,0.10]	[0.04,0.10]	[0.04,0.10]
Perceptual speed score	0.07***	0.07***	0.07***	0.07***	0.07***	0.07***
	[0.04,0.09]	[0.04,0.09]	[0.04,0.09]	[0.04,0.09]	[0.04,0.09]	[0.04,0.09]
School type (ref: <i>Hauptschule</i>)						
<i>SimmB</i>	-0.15**	-0.15**	-0.15**	-0.15**	-0.15**	-0.15**
	[-0.25,-0.05]	[-0.25,-0.05]	[-0.25,-0.05]	[-0.25,-0.05]	[-0.25,-0.06]	[-0.25,-0.05]
<i>Realschule</i>	-0.23***	-0.23***	-0.23***	-0.23***	-0.23***	-0.23***
	[-0.33,-0.13]	[-0.33,-0.13]	[-0.33,-0.13]	[-0.33,-0.13]	[-0.33,-0.13]	[-0.33,-0.13]
<i>Gymnasium</i>	-0.27***	-0.27***	-0.27***	-0.27***	-0.27***	-0.27***
	[-0.37,-0.17]	[-0.37,-0.17]	[-0.37,-0.17]	[-0.37,-0.17]	[-0.37,-0.17]	[-0.37,-0.17]

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Table S10: Continuation from the previous page

	Model no IE	Model 2-way IE	Model 4-way IE	Model no IE	Model 2-way IE	Model 4-way IE
Interactions						
Minority x overweight/obese		-0.00 [-0.16,0.16]				
Minority x girl		0.08 [-0.01,0.17]				
Minority x SES (z)		0.02 [-0.04,0.07]				
Overweight/obese x girl		0.02 [-0.13,0.16]		0.01 [-0.14,0.15]		
Overweight/obese x SES (z)		-0.03 [-0.11,0.05]		-0.04 [-0.11,0.04]		
Girl x SES (z)		0.04 [-0.01,0.08]		0.03 [-0.01,0.08]		
Majority x non-overweight/obese x girl x SES (z)			0.03 [-0.02,0.08]			
Majority x overweight/obese x boy x SES (z)			-0.05 [-0.15,0.05]			

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Table S10: Continuation from the previous page

	Model no IE	Model 2-way IE	Model 4-way IE	Model no IE	Model 2-way IE	Model 4-way IE
Majority x overweight/obese x girl x SES (z)			0.04			
			[-0.12,0.20]			
Minority x non-overweight/obese x boy x SES (z)			0.02			
			[-0.06,0.10]			
Minority x non-overweight/obese x girl x SES (z)			0.04			
			[-0.03,0.11]			
Minority x overweight/obese x boy x SES (z)			-0.02			
			[-0.18,0.14]			
Minority x overweight/obese x girl x SES (z)			0.06			
			[-0.15,0.27]			
Turkey x overweight/obese					-0.18	
					[-0.48,0.13]	
FSU x overweight/obese					-0.11	
					[-0.48,0.25]	
NW+South Europe x overweight/obese					0.16	
					[-0.22,0.54]	
Central-Eastern Europe x overweight/obese					-0.00	
					[-0.26,0.25]	

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Table S10: Continuation from the previous page

	Model no IE	Model 2-way IE	Model 4-way IE	Model no IE	Model 2-way IE	Model 4-way IE
Other x overweight/obese					0.11	
Turkey x girl					[-0.13,0.34]	
FSU x girl					0.02	
					[-0.17,0.21]	
					-0.01	
					[-0.21,0.19]	
NW+South Europe x girl					0.09	
					[-0.12,0.30]	
Central-Eastern Europe x girl					0.21*	
					[0.03,0.40]	
Other x girl					0.04	
					[-0.11,0.18]	
Turkey x SES (z)					-0.03	
					[-0.16,0.11]	
FSU x SES (z)					0.01	
					[-0.09,0.12]	
NW+South Europe x SES (z)					0.11	
					[-0.00,0.22]	

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Table S10: Continuation from the previous page

	Model no IE	Model 2-way IE	Model 4-way IE	Model no IE	Model 2-way IE	Model 4-way IE
Central-Eastern Europe x SES (z)		0.07				
		[-0.04,0.18]				
Other x SES (z)		-0.02				
		[-0.10,0.06]				
Majority x non-overweight/obese x girl x SES (z)			0.03			
			[-0.02,0.08]			
Majority x overweight/obese x boy x SES (z)			-0.05			
			[-0.15,0.05]			
Majority x overweight/obese x girl x SES (z)			0.04			
			[-0.12,0.20]			
Turkey x non-overweight/obese x boy x SES (z)			0.01			
			[-0.15,0.18]			
Turkey x non-overweight/obese x girl x SES (z)			-0.07			
			[-0.24,0.11]			
Turkey x overweight/obese x boy x SES (z)			0.02			
			[-0.26,0.31]			
Turkey x overweight/obese x girl x SES (z)			0.03			
			[-0.37,0.44]			

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Table S10: Continuation from the previous page

	Model no IE	Model 2-way IE	Model 4-way IE	Model no IE	Model 2-way IE	Model 4-way IE
FSU x non-overweight/obese x boy x SES (z)						-0.01 [-0.16,0.14]
FSU x non-overweight/obese x girl x SES (z)						0.05 [-0.09,0.19]
FSU x overweight/obese x boy x SES (z)						0.01 [-0.26,0.29]
FSU x overweight/obese x girl x SES (z)						0.34 [-0.26,0.94]
NW+South Europe x non-overweight/obese x boy x SES (z)						0.04 [-0.15,0.22]
NW+South Europe x non-overweight/obese x girl x SES (z)						0.17** [0.05,0.29]
NW+South Europe x overweight/obese x boy x SES (z)						0.10 [-0.32,0.52]
NW+South Europe x overweight/obese x girl x SES (z)						0.20 [-0.51,0.91]
Central-Eastern Europe x non-overweight/obese x boy x SES (z)						0.12 [-0.06,0.30]

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Table S10: Continuation from the previous page

	Model no IE	Model 2-way IE	Model 4-way IE	Model no IE	Model 2-way IE	Model 4-way IE
Central-Eastern Europe x non-overweight/obese x girl x SES (z)						0.08 [-0.05,0.21]
Central-Eastern Europe x overweight/obese x boy x SES (z)						0.02 [-0.25,0.29]
Central-Eastern Europe x overweight/obese x girl x SES (z)						-0.10 [-0.46,0.27]
Other x non-overweight/obese x boy x SES (z)						-0.02 [-0.15,0.11]
Other x non-overweight/obese x girl x SES (z)						0.01 [-0.10,0.12]
Other x overweight/obese x boy x SES (z)						-0.15 [-0.47,0.16]
Other x overweight/obese x girl x SES (z)						0.05 [-0.29,0.39]
Intercept	0.17*** [0.10,0.25]	0.19*** [0.11,0.26]	0.17*** [0.10,0.25]	0.17*** [0.10,0.25]	0.19*** [0.11,0.26]	0.17*** [0.10,0.25]
SD(school)	0.26*** [0.22,0.30]	0.26*** [0.22,0.30]	0.26*** [0.22,0.30]	0.26*** [0.22,0.30]	0.26*** [0.22,0.30]	0.26*** [0.22,0.30]

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Table S10: Continuation from the previous page

	Model no IE	Model 2-way IE	Model 4-way IE	Model no IE	Model 2-way IE	Model 4-way IE
SD(class)	0.22*** [0.19,0.26]	0.22*** [0.19,0.26]	0.22*** [0.19,0.26]	0.22*** [0.19,0.26]	0.22*** [0.19,0.26]	0.22*** [0.19,0.26]
Sigma	0.89*** [0.88,0.91]	0.89*** [0.88,0.91]	0.89*** [0.88,0.91]	0.89*** [0.88,0.91]	0.89*** [0.88,0.91]	0.89*** [0.88,0.91]
<i>N</i>	12898	12898	12898	12898	12898	12898

Note: *** $p \leq 0.001$, ** $p \leq 0.01$, * $p \leq 0.05$

Source: NEPS SC4 (based on $m = 50$ multiple imputed datasets); weighted data, our own calculations.