

1 **Supplementary Table 1. Participant scores on autistic traits and ADHD traits**

	n	Autistic traits (AQ Short)		ADHD traits (ASRS)		Autistic traits (AQ-Short) & ADHD traits (ASRS)							
		Mean ± SD	<70 <sup>a</sup>	≥ 70 <sup>a</sup>	Mean ± SD	<11 <sup>a</sup>	≥ 11 <sup>a</sup>	AQS	<70 <sup>a</sup>	≥ 70 <sup>a</sup>	ADHD	<70 <sup>a</sup>	≥ 70 <sup>a</sup>
			(%)	(%)		(%)	(%)	<11 <sup>a</sup>	≥ 11 <sup>a</sup>	<11 <sup>a</sup>	≥ 11 <sup>a</sup>	<11 <sup>a</sup>	≥ 11 <sup>a</sup>
Total	721	70.5±8	327 (45.4)	394 (54.6)	8.5±2.5	588 (81.6)	133 (18.4)		275 (38.1)	313 (43.4)	52 (7.2)	81 (11.2)	
Male	218	70.8±7.1	90 (41.3)	128 (58.7)	8.4±2.7	173 (79.4)	45 (20.6)		76 (34.9)	97 (44.5)	14 (6.4)	31 (14.2)	
Female	503	70.4±8.4	237 (47.1)	266 (52.9)	8.6±2.5	415 (82.5)	88 (17.5)		199 (39.6)	216 (42.9)	38 (7.6)	50 (9.9)	

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3 AQ-Short: abridged version of the Autism Spectrum Quotient; ASRS: Adult ADHD Self-Report Scale; ADHD: attention  
4 deficit/hyperactivity disorder. Continuous variables are expressed as mean ± standard deviation. Categorical variables are expressed as  
5 numbers (percentages); <sup>a</sup>Cut-off value from reference [21, 26].

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7 **Supplementary Table 2. Multivariate analysis details of Table 4-1. Association between poor student performance (presenteeism)**  
 8 **in university and scores on autistic traits, autistic trait subcomponents, and ADHD traits ( $n = 721$ )**

		Range of Scores	No. of participants	No. of poor performance	B coefficient	SE	Wald	df	Multivariate		
										OR (95% CI)	<i>p</i>
<b>(First model)</b>											
<b>Autistic traits</b>											
AQ Short	1 <sup>st</sup> Quartile (lowest)	40-66	197	44					1.00	-	
	2 <sup>nd</sup> Quartile	67-70	182	43	0.03	0.25	0.01	1	1.03 (0.63-1.68)	0.915	
	3 <sup>rd</sup> Quartile	71-75	192	70	0.65	0.24	7.63	1	1.92 (1.21-3.04)	0.006	
	4 <sup>th</sup> Quartile (highest)	76-104	150	75	1.12	0.25	21.06	1	3.07 (1.90-4.96)	<0.001	
<b>ADHD traits</b>											
ASRS	1 <sup>st</sup> Quartile (lowest)	0-7	174	43					1.00	-	
	2 <sup>nd</sup> Quartile	8-8	141	36	0.02	0.27	0.00	1	1.02 (0.60-1.73)	0.952	
	3 <sup>rd</sup> Quartile	9-9	232	75	0.20	0.24	0.69	1	1.22 (0.77-1.93)	0.408	
	4 <sup>th</sup> Quartile (highest)	10-20	174	78	0.76	0.24	9.67	1	2.13 (1.32-3.42)	0.002	
<b>(Second model)</b>											
<b>Autistic Traits Subcomponents</b>											
Numbers/patterns	1 <sup>st</sup> Quartile (lowest)	5-9	192	75					1.00	-	
	2 <sup>nd</sup> Quartile	10-11	192	61	-0.10	0.24	0.18	1	0.90 (0.56-1.46)	0.675	
	3 <sup>rd</sup> Quartile	12-13	166	44	-0.28	0.26	1.14	1	0.76 (0.45-1.26)	0.285	
	4 <sup>th</sup> Quartile (highest)	14-20	171	52	0.01	0.27	0.00	1	1.01 (0.60-1.70)	0.968	
Imagination	1 <sup>st</sup> Quartile (lowest)	8-18	236	60					1.00	-	
	2 <sup>nd</sup> Quartile	19-20	198	57	0.15	0.24	0.41	1	1.16 (0.73-1.84)	0.523	

	3 <sup>rd</sup> Quartile	21-22	159	51	0.11	0.25	0.18	1	1.11 (0.68-1.81)	0.670
	4 <sup>th</sup> Quartile (highest)	23-32	128	64	0.41	0.28	2.27	1	1.51 (0.88-2.59)	0.132
Routine	1 <sup>st</sup> Quartile (lowest)	4-9	169	31					1.00	-
	2 <sup>nd</sup> Quartile	10-10	173	57	0.71	0.27	6.73	1	2.03 (1.19-3.48)	0.010
	3 <sup>rd</sup> Quartile	11-11	164	43	0.31	0.29	1.17	1	1.37 (0.78-2.40)	0.280
	4 <sup>th</sup> Quartile (highest)	12-16	215	101	0.87	0.28	9.74	1	2.39 (1.38-4.13)	0.002
Social skills	1 <sup>st</sup> Quartile (lowest)	7-15	186	48					1.00	-
	2 <sup>nd</sup> Quartile	16-18	225	53	-0.25	0.25	0.99	1	0.78 (0.48-1.27)	0.321
	3 <sup>rd</sup> Quartile	19-21	175	59	0.17	0.26	0.43	1	1.18 (0.71-1.97)	0.515
	4 <sup>th</sup> Quartile (highest)	22-28	135	72	0.59	0.29	4.20	1	1.81 (1.03-3.18)	0.040
Switching	1 <sup>st</sup> Quartile (lowest)	6-9	214	51					1.00	-
	2 <sup>nd</sup> Quartile	10-11	274	77	0.03	0.23	0.02	1	1.03 (0.66-1.62)	0.893
	3 <sup>rd</sup> Quartile	12-12	111	37	-0.01	0.30	0.00	1	0.99 (0.55-1.78)	0.969
	4 <sup>th</sup> Quartile (highest)	13-16	122	67	0.57	0.29	3.84	1	1.78 (1.00-3.15)	0.050
<b>ADHD traits</b>										
ASRS	1 <sup>st</sup> Quartile (lowest)	0-7	174	43					1.00	-
	2 <sup>nd</sup> Quartile	8-8	141	36	0.21	0.28	0.55	1	1.23 (0.71-2.15)	0.459
	3 <sup>rd</sup> Quartile	9-9	232	75	0.30	0.25	1.50	1	1.35 (0.83-2.20)	0.220
	4 <sup>th</sup> Quartile (highest)	10-20	174	78	0.80	0.26	9.88	1	2.24 (1.35-3.69)	0.002

9 Poor performance: presenteeism scores  $\leq 40$ ; B: beta; SE: standard error; df: degree of freedom; OR: odds ratio; CI: confidence interval;  
10 AQ-Short: abridged version of the Autism Spectrum Quotient; ASRS: Adult ADHD Self-Report Scale; ADHD: attention  
11 deficit/hyperactivity disorder. Logistic regression was performed to estimate the odds ratio (OR) and 95% confidence interval (CI) for  
12 poor performance, using the score quartiles of the trait of developmental disability. The models were adjusted for age, gender, length of

13 study, field of study, leisure-time physical activity, skipping breakfast, and living arrangement. In the first model, autistic traits and  
14 ADHD traits were entered simultaneously. In the second model, five autistic trait subcomponents and ADHD traits were entered  
15 simultaneously. The Hosmer–Lemeshow test showed a chi-square value of 5.44, and a *p* value of 0.71 in the first model, and a chi-  
16 square value of 7.54, and a *p* value of 0.48 in the second model.

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19 **Supplementary Table 3. Stepwise multivariate logistic regression of the association between poor student performance**  
 20 **(presenteeism) in university and scores on autistic trait subcomponents, and ADHD traits ( $n = 721$ )**

		Range of	No. of	No. of poor	B coefficient	SE	Wald	df	Multivariate	
		Scores	participants	performance					OR (95% CI)	<i>p</i>
<b>(Second model)</b>										
<b>Autistic Traits Subcomponents</b>										
Numbers/patterns	1 <sup>st</sup> Quartile (lowest)	5-9	192	75						
	2 <sup>nd</sup> Quartile	10-11	192	61						
	3 <sup>rd</sup> Quartile	12-13	166	44						
	4 <sup>th</sup> Quartile (highest)	14-20	171	52						
Imagination	1 <sup>st</sup> Quartile (lowest)	8-18	236	60						
	2 <sup>nd</sup> Quartile	19-20	198	57						
	3 <sup>rd</sup> Quartile	21-22	159	51						
	4 <sup>th</sup> Quartile (highest)	23-32	128	64						
Routine	1 <sup>st</sup> Quartile (lowest)	4-9	169	31					1.00	-
	2 <sup>nd</sup> Quartile	10-10	173	57	0.75	0.27	7.80	1	2.11 (1.25-3.56)	0.005
	3 <sup>rd</sup> Quartile	11-11	164	43	0.35	0.28	1.57	1	1.43 (0.82-2.48)	0.210
	4 <sup>th</sup> Quartile (highest)	12-16	215	101	0.88	0.27	10.49	1	2.41 (1.42-4.11)	0.001
Social skills	1 <sup>st</sup> Quartile (lowest)	7-15	186	48					1.00	-
	2 <sup>nd</sup> Quartile	16-18	225	53	-0.21	0.24	0.78	1	0.81 (0.50-1.30)	0.377
	3 <sup>rd</sup> Quartile	19-21	175	59	0.19	0.25	0.55	1	1.20 (0.74-1.97)	0.461
	4 <sup>th</sup> Quartile (highest)	22-28	135	72	0.72	0.28	6.80	1	2.05 (1.20-3.51)	0.009
Switching	1 <sup>st</sup> Quartile (lowest)	6-9	214	51					1.00	-

	2 <sup>nd</sup> Quartile	10-11	274	77	0.03	0.22	0.02	1	1.03 (0.67-1.60)	0.881
	3 <sup>rd</sup> Quartile	12-12	111	37	0.06	0.28	0.04	1	1.06 (0.61-1.84)	0.843
	4 <sup>th</sup> Quartile (highest)	13-16	122	67	0.70	0.27	6.51	1	2.01 (1.18-3.45)	0.011
<b>ADHD traits</b>										
ASRS	1 <sup>st</sup> Quartile (lowest)	0-7	174	43					1.00	-
	2 <sup>nd</sup> Quartile	8-8	141	36	0.25	0.28	0.80	1	1.28 (0.75-2.20)	0.371
	3 <sup>rd</sup> Quartile	9-9	232	75	0.33	0.24	1.87	1	1.39 (0.87-2.22)	0.172
	4 <sup>th</sup> Quartile (highest)	10-20	174	78	0.83	0.25	11.17	1	2.30 (1.41-3.73)	0.001

21 Poor performance: presenteeism scores  $\leq 40$ ; B: beta; SE: standard error; df: degree of freedom; OR: odds ratio; CI: confidence interval;  
22 ASRS: Adult ADHD Self-Report Scale; ADHD: attention deficit/hyperactivity disorder. Stepwise multivariate logistic regression was  
23 performed to estimate the odds ratio (OR) and 95% confidence interval (CI) for poor performance, using the score quartiles of the  
24 developmental disability traits. The models were adjusted for age, gender, length of study, field of study, leisure-time physical activity,  
25 skipping breakfast, and living arrangement. In the second model, five autistic trait subcomponents and ADHD traits were entered  
26 simultaneously. The Hosmer-Lemeshow test showed a chi-square value of 6.09, and a *p* value of 0.64.

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29 **Supplementary Table 4. Multivariate analysis details of Table 5-1. Association between low class attendance in university and**  
 30 **scores on autistic traits, autistic traits subcomponents, and ADHD traits ( $n = 721$ )**

		Range of Scores	No. of participants	No. of low class attendance	B coefficient	SE	Wald	df	Multivariate <sup>a</sup>	
									OR (95%CI)	<i>p</i>
<b>(First model)</b>										
<b>Autistic traits</b>										
AQ Short	1 <sup>st</sup> Quartile (lowest)	40-66	197	34					1.00	-
	2 <sup>nd</sup> Quartile	67-70	182	27	-0.18	0.29	0.38	1	0.84 (0.47-1.48)	0.536
	3 <sup>rd</sup> Quartile	71-75	192	33	-0.08	0.28	0.09	1	0.92 (0.53-1.60)	0.768
	4 <sup>th</sup> Quartile (highest)	76-104	150	28	0.00	0.30	0.00	1	1.00 (0.56-1.79)	0.996
<b>ADHD traits</b>										
ASRS	1 <sup>st</sup> Quartile (lowest)	0-7	174	26					1.00	-
	2 <sup>nd</sup> Quartile	8-8	141	16	-0.27	0.35	0.60	1	0.76 (0.39-1.51)	0.439
	3 <sup>rd</sup> Quartile	9-9	232	45	0.36	0.28	1.59	1	1.43 (0.82-2.48)	0.207
	4 <sup>th</sup> Quartile (highest)	10-20	174	35	0.37	0.30	1.58	1	1.45 (0.81-2.59)	0.209
<b>(Second model)</b>										
<b>Autistic Traits Subcomponents</b>										
Numbers/patterns	1 <sup>st</sup> Quartile (lowest)	5-9	192	32					1.00	-
	2 <sup>nd</sup> Quartile	10-11	192	29	0.05	0.31	0.02	1	1.05 (0.57-1.91)	0.883
	3 <sup>rd</sup> Quartile	12-13	166	33	0.52	0.31	2.81	1	1.68 (0.92-3.07)	0.094
	4 <sup>th</sup> Quartile (highest)	14-20	171	28	0.08	0.33	0.06	1	1.09 (0.57-2.08)	0.802
Imagination	1 <sup>st</sup> Quartile (lowest)	8-18	236	41					1.00	-

	2 <sup>nd</sup> Quartile	19-20	198	34	-0.09	0.28	0.09	1	0.92 (0.53-1.58)	0.759
	3 <sup>rd</sup> Quartile	21-22	159	25	-0.30	0.30	0.97	1	0.74 (0.41-1.35)	0.325
	4 <sup>th</sup> Quartile (highest)	23-32	128	22	-0.15	0.35	0.19	1	0.86 (0.44-1.69)	0.661
Routine	1 <sup>st</sup> Quartile (lowest)	4-9	169	26					1.00	-
	2 <sup>nd</sup> Quartile	10-10	173	27	0.03	0.32	0.01	1	1.03 (0.55-1.93)	0.935
	3 <sup>rd</sup> Quartile	11-11	164	30	0.30	0.32	0.88	1	1.35 (0.72-2.54)	0.347
	4 <sup>th</sup> Quartile (highest)	12-16	215	39	0.16	0.33	0.23	1	1.17 (0.61-2.24)	0.635
Social skills	1 <sup>st</sup> Quartile (lowest)	7-15	186	37					1.00	-
	2 <sup>nd</sup> Quartile	16-18	225	29	-0.61	0.29	4.37	1	0.54 (0.31-0.96)	0.036
	3 <sup>rd</sup> Quartile	19-21	175	27	-0.45	0.31	2.10	1	0.64 (0.35-1.17)	0.147
	4 <sup>th</sup> Quartile (highest)	22-28	135	29	-0.10	0.34	0.08	1	0.91 (0.47-1.78)	0.780
Switching	1 <sup>st</sup> Quartile (lowest)	6-9	214	36					1.00	-
	2 <sup>nd</sup> Quartile	10-11	274	43	-0.12	0.27	0.20	1	0.89 (0.52-1.51)	0.659
	3 <sup>rd</sup> Quartile	12-12	111	13	-0.29	0.39	0.55	1	0.75 (0.35-1.61)	0.459
	4 <sup>th</sup> Quartile (highest)	13-16	122	30	0.40	0.34	1.36	1	1.49 (0.76-2.92)	0.244
<b>ADHD traits</b>										
ASRS	1 <sup>st</sup> Quartile (lowest)	0-7	174	26					1.00	-
	2 <sup>nd</sup> Quartile	8-8	141	16	-0.20	0.36	0.30	1	0.82 (0.41-1.67)	0.586
	3 <sup>rd</sup> Quartile	9-9	232	45	0.43	0.29	2.17	1	1.54 (0.87-2.73)	0.140
	4 <sup>th</sup> Quartile (highest)	10-20	174	35	0.37	0.31	1.46	1	1.45 (0.79-2.64)	0.227

31 Low attendance: class attendance < 80%; OR: odds ratio; CI: confidence interval; B: beta; SE: standard error; df: degree of freedom; AQ-  
32 Short: An Abridged Version of the Autism-Spectrum Quotient; ASRS: Adult ADHD Self-Report Scale; Logistic regression was performed  
33 to estimate the odds ratio (OR) and 95% confidence interval (CI) for low attendance, using the scores quartiles of the trait of developmental



34 disability. The models were adjusted for age, gender, length of study, field of study, leisure-time physical activity, skipping breakfast, and  
35 living arrangement. In the first model, autistic traits and ADHD traits were entered simultaneously. In the second model, five autistic trait  
36 subcomponents and ADHD traits were entered simultaneously. The Hosmer–Lemeshow test showed a chi-square value of 8.39, and a *p*  
37 value of 0.40 in the first model, and a chi-square value of 12.27, and a *p* value of 0.14 in the second model.

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40 **Supplementary Table 5. Stepwise multivariate logistic regression of the association between low class attendance in university**  
 41 **and scores on autistic traits subcomponents, and ADHD traits. (*n* = 721)**

		Range of Scores	No. of participants	No. of low class attendance	B coefficient	SE	Wald	df	Multivariate <sup>a</sup>	
									OR (95% CI)	<i>p</i>
<b>(Second model)</b>										
<b>Autistic Traits Subcomponents</b>										
Numbers/patterns	1 <sup>st</sup> Quartile (lowest)	5-9	192	32						
	2 <sup>nd</sup> Quartile	10-11	192	29						
	3 <sup>rd</sup> Quartile	12-13	166	33						
	4 <sup>th</sup> Quartile (highest)	14-20	171	28						
Imagination	1 <sup>st</sup> Quartile (lowest)	8-18	236	41						
	2 <sup>nd</sup> Quartile	19-20	198	34						
	3 <sup>rd</sup> Quartile	21-22	159	25						
	4 <sup>th</sup> Quartile (highest)	23-32	128	22						
Routine	1 <sup>st</sup> Quartile (lowest)	4-9	169	26						
	2 <sup>nd</sup> Quartile	10-10	173	27						
	3 <sup>rd</sup> Quartile	11-11	164	30						
	4 <sup>th</sup> Quartile (highest)	12-16	215	39						
Social skills	1 <sup>st</sup> Quartile (lowest)	7-15	186	37					1.00	-
	2 <sup>nd</sup> Quartile	16-18	225	29	-0.58	0.28	4.34	1	0.56 (0.33-0.97)	0.037
	3 <sup>rd</sup> Quartile	19-21	175	27	-0.37	0.28	1.71	1	0.69 (0.40-1.20)	0.190
	4 <sup>th</sup> Quartile (highest)	22-28	135	29	0.04	0.29	0.02	1	1.04 (0.60-1.83)	0.881

Switching	1 <sup>st</sup> Quartile (lowest)	6-9	214	36
	2 <sup>nd</sup> Quartile	10-11	274	43
	3 <sup>rd</sup> Quartile	12-12	111	13
	4 <sup>th</sup> Quartile (highest)	13-16	122	30

**ADHD traits**

ASRS	1 <sup>st</sup> Quartile (lowest)	0-7	174	26
	2 <sup>nd</sup> Quartile	8-8	141	16
	3 <sup>rd</sup> Quartile	9-9	232	45
	4 <sup>th</sup> Quartile (highest)	10-20	174	35

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42 Low attendance: class attendance < 80%; OR: odds ratio; CI: confidence interval; B: beta; SE: standard error; df: degree of freedom;  
43 ASRS: Adult ADHD Self-Report Scale; Stepwise multivariate logistic regression was performed to estimate the odds ratio (OR) and 95%  
44 confidence interval (CI) for low attendance, using the scores quartiles of the trait of developmental disability. The models were adjusted  
45 for age, gender, length of study, field of study, leisure-time physical activity, skipping breakfast, and living arrangement. In the second  
46 model, five autistic trait subcomponents and ADHD traits were entered simultaneously. The Hosmer-Lemeshow test showed a chi-square  
47 value of 5.18, and a *p* value of 0.64.

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