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**Table 1.** Domain, sub-domain, and instruments included in this study stratified by cohort.

Twins Early Development Study							
Domain	Sub-domain	Instrument	Rating scale	Number of items	Score range	Informant	Age at collection
<i>Neurodevelopmental traits</i>							
ADHD symptoms	Hyperactivity/impulsivity	CPRS-R <sup>a</sup>	4-point Likert	9	0; 27	Parents	8 years old
	Inattention						
Autistic symptoms	NA	CAST <sup>a</sup>	Binary	31	0; 31	Self	9 years old
General cognitive ability	NA	WISC-III <sup>a</sup> /CAT3 <sup>a</sup>	NA	85	-3; 3		
Communication ability	Speech & Syntax	CCC <sup>a</sup>	3-point Likert	8	0; 16	Parents	9 years old
	Pragmatic			4	0; 8		
Learning ability	NA	PIAT <sup>a</sup>	NA	82	0; 82	Self	10 years old
<i>Co-occurring emotional dysregulation and social-environmental stressors</i>							
Emotional dysregulation	NA	SDQ-DP <sup>a</sup>	3-point Likert	5	0; 10	Parent	9 years old
Peer relationships	NA	SDQ-PP <sup>a</sup>					
Academic competence	NA	KS2 assessment <sup>a</sup>	4-point Likert	9	9; 45	Teacher	10 years old
<i>Depressive symptoms</i>							
Depressive symptoms	NA	sMFQ <sup>a</sup>	3-point Likert	13	0; 26	Self	12 years old
				8	0; 16		16 years old
							21 years old
<b>Avon Longitudinal Study of Parents And Children</b>							
Domain	Sub-domain	Instrument	Rating scale	Number of items	Score range	Informant	Age at collection
<i>Neurodevelopmental traits</i>							
ADHD symptoms	Hyperactivity/impulsivity	DAWBA <sup>a</sup>	3-point Likert	9	0; 18	Parents	7.58 years old
	Inattention						
Autistic symptoms	NA	SCDC <sup>a</sup>		12	0; 24	Self	8.5 years
General cognitive ability	NA	WISC-III <sup>a</sup>	NA	NA	45; 151		
Communication ability	Speech & Syntax	CCC <sup>a</sup>	3-point Likert	15	45; 70	Parents	9.58 years
	Pragmatic			38	96; 162		
Learning ability	NA	WORD <sup>a</sup>	NA	NA	0; 50	Self	7.5 years
<i>Co-occurring emotional dysregulation and social-environmental stressors</i>							
Emotional dysregulation	NA	SDQ-DP <sup>a</sup>	3-point Likert	5	0; 10	Parents	9.58 years
Peer relationships	NA	SDQ-PP <sup>a</sup>					
Academic competence	NA	KS2 point score <sup>a</sup>	NA	NA	0; 99	NA	11 years
<i>Depressive symptoms</i>							
Depressive symptoms	NA	sMFQ <sup>a</sup>	3-point Likert	13	0; 26	Self	12 years
							16 years
							21 years

<sup>a</sup> CAST = childhood autism spectrum test; CAT3 = cognitive abilities test 3; CCC = children's communication checklist; CPRS-R = DSM-IV ADHD Conner's parent rating scale-revised; DAWBA = ADHD section of the development well-being assessment; KS2 = Key stage 2; PIAT = Peabody individual achievement test; SCDC = Social and communication disorders checklist; SDQ-DP = Strengths and difficulties questionnaire dysregulation profile; SDQ-PP = Strengths and difficulties questionnaire peer problems; sMFQ = short mood and feelings questionnaire; WISC-III = Wechsler intelligence scale for children-III-UK; WORD = Wechsler objective reading dimensions.