

Additional file 4: Table S3. Overview of variables to be included in the study, with details about items, reporters, and processing.

Variable	Role	Measure	Items	Processing
Age of menarche	Predictor	Single item	1	menarche score calculated based on self-reported year of menarche at age 14y
Breast stage	Predictor	Single item	1	breast stage score calculated based on self-reported values on a scale from 0-4, from 'not yet started' to 'already complete' at age 14y
Growth spurts	Auxiliary	Single item	1	growth spurts score calculated based on self-reported values on a scale from 0-4, from 'not yet started' to 'already complete' at age 14y
Body hair development	Auxiliary	Single item	1	body hair score calculated based on self-reported values on a scale from 0-4, from 'not yet started' to 'already complete' at age 14y
Skin changes	Auxiliary	Single item	1	skin change score calculated based on self-reported values on a scale from 0-4, from 'not yet started' to 'already complete' at age 14y
Body mass index	Covariate	Single items	2	child bmi scores calculated as weight (kg)/height ² (m), based on mother report at age 8y and self-report at age 14y
Parental income	Covariate	Single items	2	income score calculated as mean of maternal and paternal gross income reported by mother at week 17 of pregnancy
Parental education	Covariate	Single items	2	education score calculated as mean of maternal and paternal education reported by mother at week 17 of pregnancy
Paternal age	Covariate	MBRN	1	paternal age at the time of delivery based on registry data
Maternal age	Covariate	MBRN	1	maternal age at the time of delivery based on registry data
Child age	Covariate	Single items	2	child age at questionnaire completion at age 8y, 14y
Financial problems	Covariate	Single item	1	financial problems based on mother report at child age 18 months
Parental cohabitation	Covariate	Single items	2	parental cohabitation based on mother report at child age 18 months, 3y
Number of children	Covariate	Single item	1	<i>n</i> children based on number reported by mother at child age 8y

Prenatal depression	Covariate	SCL-5+ SCL-8	5 & 8	prenatal score as mean (available items)*total items (IF available_items > total_items/2) reported by mother week 17 & 30 of pregnancy
Postnatal depression	Covariate	EPDS	6	postnatal score calculated as mean (available items)*total items (IF available_items > total_items/2) reported by mother at 6 months
Depressive symptoms	Outcome	SMFQ	13	depression score calculated as mean (available items)*total items (IF available_items > total_items/2) at 8y (mother) & 14y (self-report)
Anxiety symptoms	Outcome	SCARED	5	anxiety scores calculated as mean (available items)*total items (IF available_items > total_items/2) at 8y (mother) & 14y (self-report)
ADHD symptoms	Outcome	RS-DBD	18	adhd scores calculated as mean (available items)*total items (IF available_items > total_items/2) reported by mother at age 8y & 14y
CD symptoms	Outcome	RS-DBD	8	conduct scores calculated as mean (available items)*total items (IF available_items > total_items/2) at 8y (mother) & 14y (self-report)
ODD symptoms	Outcome	RS-DBD	8	opposition scores calculated as mean (available items)*total items (IF available_items > total_items/2) reported by mother at 8y & 14y
Diagnoses	Outcome	KUHR/NPR		ICPC-2: P23, P74, P76, P79, P81, P82 / ICD-10: F32-F33, F34.1, F40-F44, F90, F91-F92, F93.0-F93.2

BMI, body mass index; MBRN, The Medical Birth Registry; SCL, The (Hopkins) Symptom Checklist; EPDS, Edinburgh Postnatal Depression Scale; SMFQ, Short Mood and Feelings Questionnaire; SCARED, Screen for Child Anxiety and Related Disorders; ADHD, attention-deficit hyperactivity disorder; CD, conduct disorder; ODD, oppositional defiant disorder; RS-DBD, Parent/Teacher Rating Scale for Disruptive Behaviour Disorders; KUHR, Control and payment of health refunds; NPR, Norwegian Patient Registry; ICPC-2, The International Classification of Primary Care; ICD-10, International Statistical Classification of Diseases and Related Health Problems.