

S2 Table. Cohort-specific description of available covariates

Cohort name, number of participants	Maternal age (years)	Maternal educational level				Maternal parity		Maternal pre- or early pregnancy BMI (kg/m ²)	Paternal BMI (kg/m ²)	Maternal alcohol consumption	
		Low	Medium	High	Missing	Nulliparous	Missing			Yes	Missing
ABCD, n=7,324	31.0 (20.0, 40.0)	1547 (21.1)	2799 (38.2)	2916 (39.8)	62 (0.8)	4101 (56.0)	NA	22.2 (17.9, 33.8)	NA	1562 (21.3)	4 (0.1)
ALSPAC, n=12,148	28.0 (19.0, 38.0)	7132 (58.7)	2547 (21.0)	1506 (12.4)	963 (7.9)	5269 (43.4)	217 (1.8)	22.3 (17.9, 33.9)	24.9 (19.8, 32.7)	NA	12148 (100.0)
BAMSE, n=4,057	30.0 (22.0, 40.0)	1377 (33.9)	999 (24.6)	1655 (40.8)	26 (0.6)	2208 (54.4)	48 (1.2)	22.4 (18.2, 31.6)	NA	NA	4057 (100.0)
BIB, n=1,641	27.0 (17.0, 39.0)	412 (25.1)	609 (37.1)	614 (37.4)	6 (0.4)	624 (38.0)	24 (1.5)	24.7 (17.8, 39.8)	NA	308 (18.8)	7 (0.4)
Co.N.ER, n=641	33.7 (24.5, 41.9)	116 (18.1)	284 (44.3)	240 (37.4)	1 (0.2)	283 (44.1)	2 (0.3)	21.1 (17.6, 30.5)	24.8 (20.0, 31.1)	287 (44.8)	3 (0.5)
DNBC, n=71,710	30.3 (22.5, 39.2)	6625 (9.2)	27085 (37.8)	37742 (52.6)	258 (0.4)	34959 (48.8)	47 (0.1)	22.7 (18.0, 34.5)	24.8 (20.0, 32.4)	31754 (44.3)	79 (0.1)
EDEN, n=1,880	29.4 (20.3, 39.6)	531 (28.2)	334 (17.8)	1005 (53.5)	10 (0.5)	1039 (55.3)	3 (0.2)	22.1 (17.4, 34.6)	24.6 (19.3, 33.6)	944 (50.2)	101 (5.4)
FCOU, n=4,003	23.0 (17.0, 36.0)	242 (6.0)	2554 (63.8)	945 (23.6)	262 (6.5)	2594 (64.8)	307 (7.7)	21.7 (17.3, 31.6)	23.9 (19.6, 31.0)	837 (20.9)	193 (4.8)
GASPII, n=680	33.0 (22.0, 41.0)	96 (14.1)	341 (50.1)	243 (35.7)	NA	399 (58.7)	NA	21.3 (17.6, 31.2)	25.0 (20.7, 32.9)	240 (35.3)	3 (0.4)
GENERATION R, n=7,934	30.4 (19.3, 39.3)	821 (10.3)	3446 (43.4)	3280 (41.3)	387 (4.9)	4440 (56.0)	42 (0.5)	22.8 (18.0, 35.1)	24.9 (19.5, 33.0)	3642 (45.9)	700 (8.8)
GENERATION XXI, n=7,541	29.0 (18.0, 40.0)	2473 (32.8)	3282 (43.5)	1753 (23.2)	33 (0.4)	4213 (55.9)	95 (1.3)	22.9 (18.1, 34.7)	NA	847 (11.2)	364 (4.8)
GENESIS, n=2,261	30.4 (21.2, 39.2)	98 (4.3)	1135 (50.2)	947 (41.9)	81 (3.6)	1122 (49.6)	NA	21.9 (17.6, 31.1)	NA	108 (4.8)	NA
GINIplus, n=2,086	31.0 (24.0, 40.0)	243 (11.6)	874 (41.9)	964 (46.2)	5 (0.2)	NA	2086 (100.0)	22.1 (18.0, 31.6)	NA	NA	2086 (100.0)
HUMIS, n=986	30.0 (22.0, 39.0)	99 (10.0)	166 (16.8)	601 (61.0)	120 (12.2)	425 (43.1)	NA	23.4 (18.4, 35.1)	25.7 (21.0, 33.3)	72 (7.3)	400 (40.6)
INMA, n=2,406	30.0 (21.0, 39.0)	750 (31.2)	913 (37.9)	713 (29.6)	30 (1.2)	1305 (54.2)	2 (0.1)	22.5 (18.0, 34.9)	25.3 (20.3, 33.2)	219 (9.1)	29 (1.2)
KOALA, n=2,800	32.0 (25.0, 40.0)	286 (10.2)	1047 (37.4)	1328 (47.4)	139 (5.0)	1206 (43.1)	81 (2.9)	22.7 (18.4, 33.9)	NA	457 (16.3)	NA
LISAplus, n=1,965	32.0 (23.0, 40.0)	142 (7.2)	721 (36.7)	1089 (55.4)	13 (0.7)	855 (43.5)	7 (0.4)	21.7 (17.9, 32.8)	NA	1143 (58.2)	39 (2.0)
LUKAS, n=441	30.8 (21.2, 42.1)	21 (4.8)	334 (75.7)	86 (19.5)	NA	151 (34.2)	NA	24.1 (18.5, 36.4)	26.1 (20.1, 34.7)	NA	441 (100.0)

S2 Table. Cohort-specific description of available covariates (continued)

Cohort name, number of participants	Maternal age (years)	Maternal educational level				Maternal parity		Maternal pre- or early pregnancy BMI (kg/m ²)	Paternal BMI (kg/m ²)	Maternal alcohol consumption	
		Low	Medium	High	Missing	Nulliparous	Missing			Yes	Missing
MoBa, n=80,116	30.0 (21.0, 39.0)	25127 (31.4)	32959 (41.1)	20428 (25.5)	1602 (2.0)	36477 (45.5)	NA	23.1 (18.4, 34.9)	25.4 (20.5, 33.4)	10259 (12.8)	607 (0.8)
NINFEA, n=2,259 ^a	33.0 (25.0, 41.0)	92 (4.1)	774 (34.3)	1388 (61.4)	5 (0.2)	1519 (67.2)	2 (0.1)	21.5 (17.4, 32.0)	24.5 (19.7, 31.7)	895 (39.6)	5 (0.2)
PÉLAGIE, n=1,353	30.2 (22.8, 39.6)	190 (14.0)	238 (17.6)	992 (68.1)	3 (0.2)	591 (43.7)	5 (0.4)	21.6 (17.7, 32.2)	NA	202 (14.9)	13 (1.0)
Piccolipiù, n=3,292	34.0 (23.0, 42.0)	393 (11.9)	1415 (43.0)	1473 (44.7)	11 (0.3)	1916 (58.2)	8 (0.2)	21.7 (17.6, 33.0)	24.8 (20.2, 32.7)	1452 (44.1)	37 (1.1)
PRIDE Study, n=1,616	30.0 (24.0, 38.0)	31 (1.9)	329 (20.4)	1219 (75.4)	37 (2.3)	973 (60.2)	5 (0.3)	22.6 (18.4, 33.5)	24.1 (19.4, 31.2)	300 (18.6)	219 (13.6)
Project Viva, n=2,001	32.3 (19.5, 40.9)	662 (33.1)	724 (36.2)	603 (30.1)	12 (0.6)	959 (47.9)	NA	23.4 (18.1, 39.2)	25.9 (20.0, 35.2)	1245 (62.2)	137 (6.8)
REPRO_PL, n=1,434	28.0 (20.0, 37.0)	171 (11.9)	429 (29.9)	820 (57.2)	14 (1.0)	804 (56.1)	13 (0.9)	21.5 (17.3, 31.2)	NA	116 (8.1)	108 (7.5)
RHEA, n=651	30.0 (20.0, 40.0)	109 (16.7)	322 (49.5)	213 (32.7)	7 (1.1)	NA	651 (100.0)	23.4 (18.1, 36.1)	26.8 (21.2, 36.3)	126 (19.4)	201 (30.9)
SCOPE BASELINE, n=1,216	31.0 (20.0, 39.0)	NA	162 (13.3)	1045 (85.9)	9 (0.7)	1216 (100.0)	NA	23.9 (19.1, 34.9)	26.5 (20.9, 33.9)	431 (35.4)	36 (3.0)
SWS, n=2,716	30.2 (22.8, 36.3)	334 (12.3)	1594 (58.7)	782 (28.8)	6 (0.2)	1339 (49.3)	2 (0.1)	24.2 (18.9, 37.5)	25.5 (19.8, 34.1)	2093 (77.1)	254 (9.4)
Total group	30.0 (20.3, 39.2)	50120 (21.9)	88416 (38.6)	86520 (37.8)	4102 (1.8)	110987 (48.4)	3647 (1.6)	22.7 (18.1, 34.6)	25.1 (20.1, 33.1)	59539 (26.0)	22271 (9.7)

Values are expressed as number of participants (%) or medians (95% range). BMI, body mass index.

^aSubset of participants with follow-up completed at 4 years of child's age by the time of data transfer (March 2015).