

Table S4. Characteristics of the participating pregnancy and birth cohorts^a

Cohort name, number of participants, birth years (country)	Maternal pre/early-pregnancy body mass index (kg/m ²)	Maternal total gestational weight gain (kg)	Gestational hypertension	Pre-eclampsia	Gestational diabetes	Gestational age at birth (weeks)	Birth weight (g)
ABCD, n=7,826, 2003-2004 (The Netherlands)	22.3 (17.9, 33.9)	NA	1340 (17.1)	295 (3.8)	165 (2.1)	40.0 (35.0, 42.0)	3460 (2263, 4500)
ALSPAC, n=11,898, 1991-1992 (United Kingdom)	22.2 (17.9, 33.8)	12.5 (3.9, 22.3)	1657 (14.3)	242 (2.0)	90 (0.8)	40.0 (35.0, 42.0)	3440 (2280, 4420)
AOB/F, n=2,620, 2008-2010 (Canada)	23.1 (18.0, 37.7)	NA	187 (7.1)	173 (6.6)	123 (4.7)	39.0 (35.0, 41.0)	3356 (2230, 4310)
BAMSE, n=3,529, 1994-1996 (Sweden)	22.4 (18.2, 31.6) ^b	13.0 (6.0, 24.8)	NA	NA	NA	40.0 (35.0, 42.0)	3545 (2330, 4550)
BIB, n=1,509, 2007-2010 (United Kingdom)	24.7 (17.8, 39.8) ^b	10.0 (0.6, 21.0)	93 (6.2)	22 (1.5)	136 (9.0)	39.7 (35.3, 41.9)	3210 (2140, 4300)
CHOP, n=941, 2002-2004 (Multiple)	22.4 (17.6, 33.7)	NA	NA	NA	NA	NA	3300 (2630, 3955)
Co.N.ER, n=637, 2004-2005 (Italy)	21.1 (17.6, 30.5)	13.0 (6.7, 23.0)	23 (3.6)	16 (2.5)	16 (2.5)	39.0 (36.0, 41.0)	3345 (2420, 4234)
DNBC, n=79,375, 1996-2002 (Denmark)	22.6 (18.0, 34.4)	15.0 (4.0, 28.0)	3693 (5.0)	2903 (3.7)	526 (0.7)	40.1 (35.6, 42.4)	3600 (2390, 4630)
EDEN, n=1,857, 2003-2005 (France)	22.1 (17.4, 34.6)	13.0 (3.0, 24.0)	92 (5.0)	39 (2.1)	119 (6.4)	39.0 (35.0, 41.0)	3300 (2144, 4194)
FCOU, n=3,861, 1993-1996 (Ukraine)	21.8 (17.3, 31.5)	12.0 (3.0, 21.5)	560 (14.5)	227 (5.9)	10 (0.3)	NA	3400 (2100, 4300)
GASPII, n=675, 2003-2004 (Italy)	21.3 (17.6, 31.2)	13.0 (6.0, 24.0)	34 (5.0)	8 (1.2)	29 (4.3)	40.0 (36.0, 42.0)	3350 (2400, 4323)
GECKO Drenthe, n=2,499, 2006-2007 (The Netherlands)	23.7 (18.6, 36.5)	13.0 (4.0, 25.0)	222 (10.4)	50 (2.3)	92 (3.7)	40.0 (36.3, 42.0)	3570 (2480, 4655)
Generation R, n=8,495, 2002-2006 (The Netherlands)	22.9 (18.0, 35.4)	12.0 (1.0, 25.0)	312 (3.8)	188 (2.4)	88 (1.1)	40.1 (35.1, 42.3)	3420 (2140, 4480)
Generation XXI, n=7,619, 2005-2006 (Portugal)	22.9 (18.1, 34.6)	13.0 (2.0, 26.0)	171 (2.3)	120 (1.6)	505 (6.7)	39.0 (35.0, 41.0)	3200 (2130, 4093)
GENESIS, n=2,218, 2003-2004 (Greece)	21.9 (17.6, 31.1)	13.0 (3.0, 29.0)	NA	NA	36 (1.6)	40.0 (34.0, 40.0)	3250 (2100, 4200)
Gen3G, n=855, 2010-2013 (Canada)	23.3 (17.9, 40.1)	13.7 (3.2, 24.1)	46 (5.4)	9 (1.1)	72 (8.6)	39.4 (35.8, 41.2)	3405 (2416, 4293)
GINIplus, n=2,310, 1995-1998 (Germany)	22.0 (18.0, 31.5)	13.0 (5.0, 25.0)	NA	NA	61 (2.6)	NA	NA
HUMIS, n=1,068, 2003-2008 (Norway)	23.5 (18.4, 35.1)	14.0 (4.2, 27.9)	40 (3.7)	85 (8.0)	6 (0.6)	40.1 (33.2, 42.9)	3580 (1822, 4683)
INMA, n=2,492, 1997-2008 (Spain)	22.5 (18.0, 34.7)	13.5 (4.0, 24.6)	74 (3.0)	4 (0.9)	225 (10.4)	39.9 (35.8, 42.0)	3250 (2300, 4200)

KOALA, n=2,812, 2000-2002 (The Netherlands)	22.7 (18.4, 33.8)	14.0 (4.0, 25.0)	104 (3.7)	33 (1.2)	25 (0.9)	40.0 (36.0, 42.0)	3500 (2479, 4502)
Krakow Cohort, n=503, 2000-2003 (Poland)	21.0 (17.3, 27.7)	15.0 (7.0, 28.0)	22 (4.4)	1 (0.2)	21 (4.2)	40.0 (36.0, 42.0)	3400 (2430, 4392)
LISApplus, n=1,582, 1997-1999 (Germany)	21.7 (17.9, 32.3)	14.0 (5.5, 24.2)	NA	NA	58 (3.7)	NA	NA
LUKAS, n=415, 2002-2005 (Finland)	24.1 (18.5, 36.4)	13.8 (4.0, 25.9)	NA	NA	NA	NA	3630 (2794, 4678)
MoBa, n=88,543, 1999-2009 (Norway)	23.1 (18.4, 34.9)	15.0 (3.1, 27.0)	4953 (5.6)	3207 (3.6)	747 (0.8)	40.1 (36.1, 42.4)	3620 (2530, 4640)
NINFEA, n=2,240, 2005-2010 (Italy) ^c	21.4 (17.4, 32.2)	12.0 (3.0, 22.0)	164 (7.9)	49 (2.3)	153 (7.3)	39.7 (35.9, 41.9)	3240 (2267, 4164)
PÉLAGIE, n=1,491, 2002-2005 (France)	21.6 (17.7, 32.4)	NA	59 (4.0)	19 (1.3)	46 (3.1)	40.0 (36.0, 41.0)	3400 (2460, 4357)
PIAMA, n=3,447, 1996-1997 (The Netherlands)	22.2 (18.3, 31.2)	13.0 (5.0, 25.0)	204 (9.6)	54 (2.5)	18 (0.8)	40.0 (35.7, 42.1)	3500 (2358, 4550)
Piccolipiù, n=3,289, 2011-2015 (Italy)	21.7 (17.6, 33.0)	13.0 (5.0, 22.0)	124 (3.8)	36 (1.1)	292 (8.9)	39.0 (36.0, 41.0)	3340 (2470, 4230)
PRIDE Study, n=1,597, 2011-2015 (The Netherlands)	22.7 (18.4, 33.5)	14.0 (4.0, 25.0)	170 (11.5)	46 (3.0)	27 (1.8)	40.0 (36.0, 41.0)	3480 (2273, 4496)
Project Viva, n=2,107, 1999-2002 (United States)	23.5 (18.1, 39.2)	15.5 (4.1, 27.3)	136 (6.6)	72 (3.5)	117 (5.7)	39.7 (34.8, 41.9)	3487 (2154, 4536)
Raine Study, n=2,797, 1989-1992 (Australia)	21.3 (16.9, 34.3)	NA	NA	NA	55 (2.0)	39.0 (33.0, 42.0)	3360 (1841, 4346)
REPRO_PL, n=1,418, 2007-2011(Poland)	21.5 (17.3, 31.2)	12.0 (4.0, 22.9)	56 (3.9)	2 (0.1)	55 (3.9)	39.0 (36.0, 41.0)	3350 (2364, 4290)
RHEA, n=816, 2007-2008 (Greece)	23.3 (18.0, 36.4)	13.0 (4.0, 26.0)	38 (5.2)	5 (0.6)	65 (8.9)	38.0 (35.0, 40.0)	3190 (2292, 4100)
ROLO, n=744, 2007-2011 (Ireland)	25.7 (20.2, 39.0) ^b	11.8 (2.8, 22.0)	NA	NA	29 (4.1)	40.0 (37.0, 42.0)	4005 (3094, 4970)
SCOPE BASELINE, n=1,433, 2008- 2011 (Ireland)	24.0 (19.2, 34.7) ^b	14.3 (7.2, 23.3)	173 (12.1)	53 (3.7)	NA	40.3 (35.4, 41.7)	3460 (2349, 4460)
SEATON, n=1,878, 1998-1999 (United Kingdom)	24.2 (18.6, 38.4) ^b	NA	224 (12.6)	45 (2.8)	NA	40.0 (36.0, 42.0)	3460 (2087, 4443)
Slovak PCB study, n=1,054, 2002- 2004 (Slovakia)	21.2 (16.9, 32.4)	13.0 (4.6, 24.0)	81 (10.6)	NA	10 (0.9)	40.0 (36.0, 42.0)	3350 (2350, 4314)
STEPS, n=1,695, 2008-2010 (Finland)	23.1 (18.4, 36.8)	13.9 (2.3, 25.7)	NA	NA	64 (5.9)	40.0 (36.1, 42.1)	3550 (2560, 4491)
SWS, n=3,125, 1998-2007 (United Kingdom)	24.1 (18.8, 37.5)	11.9 (0.1, 25.3)	192 (6.1)	88 (2.8)	37 (1.2)	40.0 (34.5, 42.1)	3440 (2185, 4440)
Total group	22.7 (18.1, 34.7)	14.0 (3.9, 27.0)	15,244 (6.3)	8,091 (3.3)	4,118 (1.7)	40.0 (35.7, 42.3)	3530 (2380, 4580)

^aValues are expressed as medians (95% range) or numbers of participants (valid %). NA, not available (not collected or not provided) or not applicable (gestational age at birth (CHOP, FCOU, GINIplus, LISApplus, LUKAS) and birth weight (GINIplus, LISApplus) due to selected samples). ^bInformation available only on maternal body mass index assessed in early pregnancy. ^cSubset of participants with follow-up completed at 4 years of child's age by the time of data transfer (March 2015).