

Supplementary Data 2. Comparison of backgrounds between the population analyzed and the population excluded from the analysis due to non-response to the C-3y questionnaire

		Population analyzed (n = 69,969)			Non-responders to the C-3y questionnaire (n = 14,210)	
		No. of women	(%)		No. of women	(%)
Sleep duration during pregnancy (hours)						
<6		3,267	4.7		859	6.3
6–7		10,490	15.1		1,955	14.3
7–8		21,737	31.3		4,022	29.4
8–9		19,739	28.5		3,806	27.8
9–10		9,801	14.1		1,915	14.0
>10		4,354	6.3		1,115	8.2
Physical activity during pregnancy, median (IQR), METs-min/week		495 (66-1,386)			495 (50-1,638)	
Age at delivery (years)						
< 25		5,884	8.4		2,500	17.6
25–29		19,166	27.4		4,213	29.7
30–34		25,325	36.2		4,475	31.5
≥ 35		19,594	28.0		3,022	21.3
Smoking habits						
Never smoked		42,356	60.6		6,589	46.5
Ex-smokers who quit before pregnancy		16,400	23.5		3,265	23.0
Smokers during early pregnancy		11,131	15.9		4,319	30.5

	Population analyzed (n = 69,969)		Non-responders to the C-3y questionnaire (n = 14,210)	
	No. of women	(%)	No. of women	(%)
Alcohol consumption				
Never drank	24,254	34.7	4,624	32.6
Ex-drinkers who quit before pregnancy	12,719	18.2	2,908	20.5
Drinkers during early pregnancy	32,981	47.2	6,655	46.9
Pre-pregnancy body mass index				
< 18.5 kg/m ²	11,261	16.1	2,289	16.1
18.5–24.9 kg/m ²	51,930	74.3	9,947	70.1
≥ 25.0 kg/m ²	6,743	9.6	1,955	13.8
Parity				
0	31,505	45.2	5,207	36.8
≥ 1	38,223	54.8	8,929	63.2
History of psychiatric disorders				
Depression	2,004	2.9	524	3.7
Anxiety disorder	1,819	2.6	530	3.8
Schizophrenia	102	0.2	47	0.3
Current history				
Hypertensive disorders in pregnancy	1,868	2.7	416	2.9
Diabetes or gestational diabetes	2,089	3.0	436	3.1
Intrauterine infection	429	0.6	94	0.7

	Population analyzed (n = 69,969)		Non-responders to the C-3y questionnaire (n = 14,210)	
	No. of women	(%)	No. of women	(%)
Gestational age (week)				
37	6,712	9.6	1,445	10.2
38	16,069	23.0	3,386	23.8
39	20,723	29.6	4,146	29.2
40	19,625	28.1	3,922	27.6
41	6,840	9.8	1,311	9.2
Infant sex				
Boys	35,613	50.9	7,230	50.9
Girls	34,353	49.1	6,976	49.1
Apgar score at 5 minutes				
7–10	66,239	99.7	13,462	99.6
< 7	221	0.3	52	0.4
Feeding status until 1-year-old				
Formula feeding	1,413	2.0	286	2.0
Partial breastfeeding	45,266	64.7	11,404	80.3
Exclusive breastfeeding	23,290	33.3	2,520	17.7

C-3y, questionnaire administered at three years after delivery; IQR, interquartile range;

AQ-J-10, the short form of the Autism-Spectrum Quotient Japanese version

*Subgroup totals do not equal the overall number because of missing data.