

## Prenatal diet and children's trajectories of hyperactivity-inattention and conduct problems from 3 to 8 years: the EDEN mother-child cohort

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#### Table S1. Contingency table of maternal dietary patterns during pregnancy

		Western Pattern		
		Highest quartile	Others	Total
	Lowest quartile	53	256	309
Healthy Pattern	Others	257	676	933
	Total	310	932	1242

	Q1	Q2	Q3	Q4
Healthy Pattern	-1.00 (0.26)	-0.39 (0.15)	0.14 (0.17)	1.22 (0.75)
Western Pattern	-1.09 (0.39)	-0.38 (0.14)	0.11 (0.16)	1.17 (0.83)

Table S2. Dietary patterns scores within quartiles (mean and standard deviation)

	<b>—</b> •	Hyperactivity- inattention	Conduct Problems
<ol> <li>Using tertiles as cutoffs for dietary pattern variables</li> </ol>			
	Healthy pattern (low tertile vs others)	OR=1.45; p<.05	OR=1.31; p=.14
	Western pattern (high tertile vs others)	OR=1.42; p=.06	OR=1.10; p=.63
2. Restricting analysis to nonsmoking sub-sample			
	Healthy pattern (low quartile vs others)	OR=1.74; p=.02	OR=1.61; p=.05
	Western pattern (high quartile vs others)	OR=1.70; p=.03	OR=1.58; p=.06
3. Restricting analysis to non-heavily drinking sub-sample			
	Healthy pattern (low quartile vs others)	OR=1.59; p=.03	OR=1.50; p=.05
	Western pattern (high quartile vs others)	OR=1.71; p=.01	OR=1.26; p=.29
4. Not adjusting for gestational age and birth weight			
•	Healthy pattern (low quartile vs others)	OR=1.61; p=.02	OR=1.42; p=.08
	Western pattern (high quartile vs others)	OR=1.65; p=.01	OR=1.11; p=.62
5. Not adjusting for gestational diabetes			
	Healthy pattern (low quartile vs others)	OR=1.59; p=.02	OR=1.41; p=.08
	Western pattern (high quartile vs others)	OR=1.65; p=.01	OR=1.11; p=.62
6. Adjusting for conduct problems when considering hyperactivity-inattention and reciprocally	Healthy pattern (low quartile vs others)	OR=1.52; p=<.05	OR=1.25; p=.31
	Western pattern (high quartile vs others)	OR=1.75; p=<.01	OR=0.84; p=.43

# Table S3. Sensitivity analyses: multivariate associations between prenatal nutrition (pregnancy) and children's externalizing problems between 3 and 8 years of age (EDEN cohort)

Adjusted on: Maternal Healthy and Western DP during pregnancy, Centre, Child gender, Maternal age, Pre-pregnancy BMI, Maternal smoking, Maternal alcohol-drinking, Gestational diabetes, Multiparity, Gestational length, Birth weight, Breastfeeding, Prenatal maternal depressive symptoms, Prenatal maternal anxiety, Postnatal maternal depressive symptoms, Parental separation, Family income,

Maternal education, Children dietary patterns at age 2 (Processed and fast foods, Guidelines, Baby food). OR: Odds Ratio N=1242 for models number 1, 4, 5 and 6 N=956 for model 2 N=1141 for model 3