

## **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**

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

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

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

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

	Hyperactivity-inattention	Conduct Problems
<b>1. Using tertiles as cutoffs for dietary pattern variables</b>		
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
<b>2. Restricting analysis to nonsmoking sub-sample</b>		
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
<b>3. Restricting analysis to non-heavily drinking sub-sample</b>		
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
<b>4. Not adjusting for gestational age and birth weight</b>		
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
<b>5. Not adjusting for gestational diabetes</b>		
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
<b>6. Adjusting for conduct problems when considering hyperactivity-inattention and reciprocally</b>		
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

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