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Supplemental Material

Organophosphate and Pyrethroid Pesticide Exposures Measured before Conception and Associations with Time to Pregnancy in Chinese Couples Enrolled in the Shanghai Birth Cohort

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Table S1. The standardized questions of the PSS-10^a

In the last month, how often	
1. Have you been upset because of something that happened unexpectedly?	0 never 1 almost never 2 sometimes 3 fairly often 4 often
2. Have felt unable to control the important things in your life?	0 never 1 almost never 2 sometimes 3 fairly often 4 often
3. Have you felt nervous and "stressed"?	0 never 1 almost never 2 sometimes 3 fairly often 4 often
4. Have you felt confident about your ability to handle your personal problems?	0 never 1 almost never 2 sometimes 3 fairly often 4 often
5. How often have you felt that things were going your way?	0 never 1 almost never 2 sometimes 3 fairly often 4 often
6. Have you found that you could not cope with all the things that you had to do?	0 never 1 almost never 2 sometimes 3 fairly often 4 often
7. How often have you been able to control irritations in your life?	0 never 1 almost never 2 sometimes 3 fairly often 4 often
8. How often have you felt that you were on top of things?	0 never 1 almost never 2 sometimes 3 fairly often 4 often
9. Have you been angered because of things that were outside of your control?	0 never 1 almost never 2 sometimes 3 fairly often 4 often
10. Have you felt difficulties were piling up so high that could not overcome them?	0 never 1 almost never 2 sometimes 3 fairly often 4 often

^aCite from Wang Z, Chen J, Boyd JE, Zhang H, Jia X, Qiu J, et al. 2011. Psychometric Properties of the Chinese Version of the Perceived Stress Scale in Policewomen. PLoS One 6: (12), PMID: 22164311, <http://dx.doi.org/10.1371/journal.pone.0028610>.

Table S2. Demographic characteristics of the Shanghai Birth Cohort

Characteristic	Baseline group (n=1182)	Subgroup 1 (n=615)	Subgroup 2 (n=496)	P value
Continuous variables^a				
	<i>Mean ± SD</i>	<i>Mean ± SD</i>	<i>Mean ± SD</i>	
Maternal age (years)	29.92 ± 3.21	29.78 ± 3.82	29.92±3.03	0.640
Pre-pregnancy BMI (kg/m ²)	21.04 ± 3.27	21.17 ± 3.07	21.06±2.82	0.696
Age at menarche (years)	13.41 ± 1.46	13.37 ± 1.59	13.39 ± 1.64	0.913
Categorical variables^b				
	<i>N (%)</i>	<i>N (%)</i>	<i>N (%)</i>	
Current smoking				
No	902 (76.3)	453 (73.5)	489 (78.4)	0.651
Live with smoker	263 (22.2)	153 (24.9)	100 (20.2)	
Yes	18 (1.5)	9 (1.5)	7 (1.4)	
Education				
< Bachelor's degree	233 (19.7)	117 (19.0)	82 (16.5)	0.310
≥ Bachelor's degree	949 (80.3)	498 (81.0)	414 (83.5)	
Annual household income (10⁴RMB)				
< 15	282(23.9)	140 (22.8)	113 (23.0)	0.974
15 – 30	613 (51.9)	329 (53.5)	266 (53.6)	
> 30	218 (18.4)	106 (17.2)	86 (17.1)	
Refused to answer	69 (5.8)	40 (6.5)	31 (6.3)	
Parity				
0	1081 (91.5)	569 (92.5)	455 (91.7)	0.915
≥ 1	101 (8.5)	46 (7.5)	41(8.3)	

^a One-Way NAOVA test for continuous variables

^b Chi-square test for categorical variables

Table S3. Demographic characteristics between female with and without pesticides measurement

Characteristic	Detected group (n=615)	Undetected group (n=567)	P value
Continuous variables^a			
	<i>Mean ± SD</i>	<i>Mean ± SD</i>	
Maternal age (years)	29.78 ± 3.82	29.79 ± 5.62	0.567
Pre-pregnancy BMI (kg/m ²)	21.17 ± 3.07	20.90 ± 3.48	0.160
Age at menarche (years)	13.37 ± 1.59	13.44 ± 1.30	0.529
Categorical variables^b			
	<i>N (%)</i>	<i>N (%)</i>	
Current smoking			
No	453 (73.5)	449 (79.2)	0.065
Live with smoker	153 (24.9)	109 (19.2)	
Yes	9 (1.5)	9 (1.6)	
Education			
< Bachelor's degree	117 (19.0)	117 (20.6)	0.444
≥ Bachelor's degree	498 (81.0)	450 (79.4)	
Annual household income (10⁴RMB)			
< 15	140 (22.8)	143 (25.2)	0.407
15 – 30	329 (53.5)	285 (50.3)	
> 30	106 (17.2)	110 (19.4)	
Refused to answer	40 (6.5)	29 (5.1)	
Parity			
0	569 (92.5)	512 (90.3)	0.747
≥ 1	46 (7.5)	55 (9.7)	

^aT-test for continuous variables^bChi-square test for categorical variables