

1 **Urinary Metabolites of Organophosphate and**
2 **Pyrethroid Pesticides and Neurobehavioral effects in**
3 **Chinese Children**

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11 Table S1 Logistic regression analysis of urinary TCP levels and exposure
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18 Nanjing

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Table S1 Logistic regression analysis of urinary TCP levels and exposure characteristics

Characteristics	β	S.E	Wals	Sig	OR	95%CI
Adjacent to agricultural field	0.683	0.333	4.199	0.040	1.979	1.030-3.803
Adjacent to green park	0.667	0.299	4.978	0.026	1.949	1.084-3.502
Mosquito repellent incense used indoor	0.087	0.273	0.102	0.749	1.091	0.639-1.863
Household insecticide aerosol	-0.066	0.290	0.052	0.819	0.936	0.530-1.652
Vegetable soaking <10 minutes	0.176	0.342	0.264	0.607	1.192	0.610-2.328
Vegetable soaking 10-30 minutes	-0.051	0.356	0.020	0.886	0.950	0.437-1.911
Vegetable soaking >30 minutes	0.478	0.530	0.815	0.367	1.614	0.571-4.560
Fruits soaking <30 minutes	-0.299	0.309	0.940	0.332	0.741	0.405-1.357
Fruits soaking >30 minutes	-0.704	0.438	2.584	0.108	0.495	0.210-1.167
Fruits peeled	0.166	0.464	0.128	0.721	1.180	0.476-2.928
Sometimes smell pesticides indoor	1.400	0.474	8.708	0.003	4.055	1.600-10.274
Always smell pesticides indoor	1.118	0.363	9.466	0.002	3.060	1.501-6.239
Everyday smell pesticides indoor	1.706	1.223	1.946	0.163	5.506	0.501-60.494
Father Occupation exposure to toxic substances	-0.268	0.349	0.589	0.443	0.765	0.386-1.516
Mother occupation exposure to toxic substances	0.829	0.554	2.242	0.134	2.291	0.774-6.783

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Table S2 Logistic regression analysis of urinary 3-PBA levels and exposure characteristics

Characteristics	β	S.E	Wals	Sig	OR	95%CI
Adjacent to agricultural field	1.890	0.358	27.912	0.000	6.619	3.283-13.344
Adjacent to green park	-0.122	0.346	0.125	0.724	0.885	0.449-1.745
Mosquito repellent incense used indoor	0.413	0.298	1.920	0.166	1.512	0.843-2.713
Household insecticide aerosol	0.159	0.333	0.228	0.633	1.172	0.610-2.252
Vegetable soaking <10 minutes	-0.037	0.375	0.010	0.922	0.964	0.462-2.009
Vegetable soaking 10-30 minutes	0.108	0.407	0.070	0.791	1.114	0.502-2.471
Vegetable soaking >30 minutes	0.264	0.679	0.151	0.697	1.302	0.344-4.923
Fruits soaking <30 minutes	-0.780	0.324	5.810	0.016	0.458	0.243-0.864
Fruits soaking >30 minutes	-0.897	0.503	3.182	0.074	0.408	0.152-1.093
Fruits peeled	0.649	0.478	1.848	0.174	1.914	0.751-4.881
Sometimes smell pesticides indoor	-0.303	0.393	0.594	0.441	0.739	0.342-1.596
Always smell pesticides indoor	-0.542	0.468	1.338	0.247	0.582	0.232-1.457
Everyday smell pesticides indoor	0.036	1.246	0.001	0.977	1.037	0.090-11.914
Father Occupation exposure to toxic substances	-0.253	0.377	0.450	0.502	0.777	0.371-1.625
Mother occupation exposure to toxic substances	0.520	0.562	0.856	0.355	1.682	0.559-5.057

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78 Table S3 Distribution of five intelligence tests of 406 Children aged 3-6 years in
79 Nanjing

Test	All ^a (406)	Exposed ^b (238)	Unexposed ^c (168)
	Mean±SD(rang)	Mean±SD(rang)	Mean±SD(rang)
Chinese Binet test	99.95±10.65 (61-130)	98.55±10.66 (61-125)	102.03±10.32 (73-130)
Arithmetic test	9.44±3.18 (1-18)	8.98±3.04 (2-18)	10.11±3.27 (1-18)
Picture completion test	10.15±3.54 (1-19)	9.89±3.52 (1-19)	10.53±3.54 (1-19)
Maze test	12.47±3.31 (1-19)	12.38±3.38 (1-19)	12.60±3.22 (5-19)
Cancellation test	28.71±8.51 (5-46)	28.89±8.45 (6-46)	28.43±8.63 (5-45)

80 ^aAll participants in the study. ^bOne or more than one metabolites were detected in
81 participants' urine. ^cNone of the metabolites was detected in participants' urine.
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