Note to Readers: EHP strives to ensure that all journal content is accessible to all readers. However, some figures and Supplemental Material published in EHP articles may not conform to 508 standards due to the complexity of the information being presented. If you need assistance accessing journal content, please contact ehp508@niehs.nih.gov. Our staff will work with you to assess and meet your accessibility needs within 3 working days.

Supplemental Material

Organophosphate Insecticide Metabolites in Prenatal and Childhood Urine Samples and Intelligence Scores at 6 Years of Age: Results from the Mother-Child PELAGIE Cohort (France)

Chloé Cartier, Charline Warembourg, Gaïd Le Maner-Idrissi, Agnès Lacroix, Florence Rouget, Christine Monfort, Gwendolina Limon, Gaël Durand, Dave Saint-Amour, Sylvaine Cordier, and Cécile Chevrier

Table of Contents

Chemical analyses

For the maternal samples (by the LABOCEA Institute, in 2008)

Table: Summary of the analytical method characteristics at three levels (for maternal samples).

For the children’s samples (by the LABOCEA Institute, in 2013)

Table: Summary of the analytical method characteristics at three levels (for the children’s samples).

Table S1. Descriptive characteristics assessed at inclusion in the cohort of the families participating (n=231) and not participating (n=246) in the 6-year neuropsychological follow-up (PELAGIE cohort, France)

Table S2. Univariate analyses for studying the association between WISC scores of 6-year-old children and covariates (n=231; PELAGIE cohort, France)

Table S3. Associations between organophosphate urinary metabolites and WISC working memory scores (n=231; PELAGIE cohort, France) with minimal adjustment

Table S4. Associations between organophosphate urinary metabolites and WISC verbal comprehension scores (n=231; PELAGIE cohort, France) with minimal adjustment
Table S5. Associations between organophosphate urinary metabolites and WISC working memory scores among participants with complete data (n=216; PELAGIE cohort, France)

Table S6. Associations between organophosphate urinary metabolites and WISC verbal comprehension scores among participants with complete data (n=216; PELAGIE cohort, France)

Table S7. Prenatal urinary organophosphate metabolite concentrations (in nmol/L) across cohorts addressing the potential role of exposure to organophosphate insecticides during pregnancy on neurodevelopment

Figure S1. Spline regressions for studying the associations between organophosphate urinary metabolites and WISC working memory scores (n=231; PELAGIE cohort, France)

Figure S2. Spline regressions for studying the associations between organophosphate urinary metabolites and WISC verbal comprehension scores (n=231; PELAGIE cohort, France)

References