

Supplementary Table 5. Lipid-adjusted serum concentrations of persistent organic pollutants according to the metabolic equivalent (MET)-minutes of leisure-time physical activity after excluding subjects with the missing values

| Variable | Model ^a | Daily MET-minutes of leisure-time moderate to vigorous physical activity, MET-min/day | | | | | | <i>P</i> _{trend} | <i>P</i> _{quadratic} |
|-------------------------|--------------------|---|------------|------------|-------------|-------------|------------|---------------------------|-------------------------------|
| | | <10 | 10 to <50 | 50 to <100 | 100 to <200 | 200 to <500 | 500≤ | | |
| No. of subjects | | 758 | 227 | 160 | 230 | 261 | 128 | | |
| ΣOCPs | 1 | 424.4±14.7 | 329.5±20.0 | 328.7±23.9 | 346.2±21.0 | 327.0±18.4 | 341.8±28.1 | <0.001 | 0.008 |
| | 2 | 423.0±14.9 | 333.1±20.2 | 329.6±23.7 | 341.8±20.9 | 323.8±18.2 | 339.5±27.9 | <0.001 | 0.009 |
| β-Hexachlorocyclohexane | 1 | 9.3±0.3 | 7.2±0.5 | 7.4±0.6 | 7.8±0.5 | 6.9±0.4 | 7.7±0.7 | <0.001 | 0.015 |
| | 2 | 9.2±0.3 | 7.3±0.5 | 7.4±0.6 | 7.8±0.5 | 7.0±0.4 | 7.7±0.7 | <0.001 | 0.018 |
| <i>p,p'</i> -DDE | 1 | 346.5±13.2 | 270.1±17.9 | 268.3±21.3 | 282.8±18.8 | 269.8±16.6 | 281.1±25.3 | <0.001 | 0.014 |
| | 2 | 345.5±13.3 | 273.0±18.1 | 268.8±21.2 | 278.5±18.6 | 266.4±16.4 | 278.6±25.1 | <0.001 | 0.015 |
| <i>p,p'</i> -DDT | 1 | 8.5±0.3 | 6.9±0.4 | 6.6±0.5 | 6.7±0.4 | 7.0±0.4 | 6.7±0.5 | <0.001 | 0.015 |
| | 2 | 8.3±0.3 | 6.9±0.4 | 6.6±0.5 | 6.5±0.4 | 6.8±0.4 | 6.5±0.5 | <0.001 | 0.018 |
| Oxychlorodane | 1 | 9.8±0.2 | 8.6±0.4 | 9.1±0.5 | 9.5±0.4 | 8.8±0.3 | 9.9±0.6 | 0.224 | 0.048 |
| | 2 | 9.9±0.2 | 8.8±0.4 | 9.3±0.5 | 9.7±0.4 | 8.9±0.4 | 10.0±0.6 | 0.349 | 0.095 |
| <i>Trans</i> -nonachlor | 1 | 14.5±0.4 | 13.3±0.6 | 13.7±0.8 | 15.4±0.7 | 13.2±0.6 | 14.0±0.9 | 0.458 | 0.971 |
| | 2 | 14.6±0.4 | 13.8±0.7 | 14.0±0.8 | 15.7±0.8 | 13.5±0.6 | 14.2±0.9 | 0.536 | 0.862 |
| Heptachlor epoxide | 1 | 5.3±0.1 | 4.9±0.2 | 5.3±0.3 | 5.4±0.2 | 4.5±0.2 | 4.7±0.3 | 0.008 | 0.369 |
| | 2 | 5.3±0.1 | 5.0±0.2 | 5.3±0.3 | 5.5±0.2 | 4.6±0.2 | 4.7±0.3 | 0.017 | 0.199 |
| No. of subjects | | 667 | 193 | 176 | 202 | 258 | 122 | | |
| ΣPCBs | 1 | 90.9±2.3 | 84.8±3.7 | 94.4±4.4 | 105.2±4.5 | 99.6±3.8 | 104.1±5.8 | <0.001 | 0.816 |
| | 2 | 91.3±2.3 | 85.0±3.7 | 95.7±4.4 | 105.8±4.5 | 98.9±3.7 | 103.8±5.7 | 0.001 | 0.986 |

Values are presented as geometric mean ± standard error (ng/g of lipid).

ΣOCPs, sum of six OCPs (β-hexachlorocyclohexane, *p,p'*-DDE, *p,p'*-DDT, oxychlorodane, *trans*-nonachlor, and heptachlor epoxide; ΣPCBs, sum of 12 PCBs (PCB74, PCB99, PCB118, PCB138, PCB146, PCB153, PCB156, PCB170, PCB180, PCB187, 3,3',4,4',5-pentachlorobiphenyl, and 3,3',4,4',5,5'-hexachlorobiphenyl).

^aModel 1: adjusted for age, sex, race/ethnicity; Model 2: further adjusted for smoking status, body mass index, weight change for recent 1 year, total calorie intake, dietary intake of total monounsaturated fatty acids, dietary intake of total polyunsaturated fatty acids, and dietary intake of total saturated fatty acids.