

Supplementary Table 2. Lipid-adjusted serum concentrations of persistent organic pollutants according to the metabolic equivalent (MET)-minutes of leisure-time physical activity

| | 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 < 00 | 200 to <500 | 500≤ | | |
| No. of subjects | | 798 | 242 | 171 | 238 | 267 | 134 | | |
| ΣOCPs | 1 | 427.2±14.1 | 334.4±19.6 | 337.4±23.4 | 343.7±20.2 | 330.1±18.4 | 354.8±28.2 | <0.001 | 0.003 |
| | 2 | 426.0±14.3 | 338.7±19.8 | 339.3±23.3 | 339.7±20.1 | 327.7±18.3 | 350.9±27.7 | <0.001 | 0.005 |
| β-Hexachlorocyclohexane | 1 | 9.4±0.3 | 7.3±0.4 | 7.6±0.5 | 7.8±0.5 | 7.0±0.4 | 7.8±0.6 | <0.001 | 0.014 |
| | 2 | 9.3±0.3 | 7.3±0.5 | 7.6±0.5 | 7.8±0.5 | 7.0±0.4 | 7.7±0.6 | <0.001 | 0.018 |
| <i>p,p'</i> -DDE | 1 | 348.9±12.6 | 273.2±17.5 | 275.4±20.9 | 280.4±18.0 | 272.4±16.5 | 292.2±25.3 | <0.001 | 0.006 |
| | 2 | 348.3±12.7 | 276.8±17.7 | 276.9±20.8 | 276.7±17.9 | 269.8±16.5 | 288.5±24.9 | <0.001 | 0.008 |
| <i>p,p'</i> -DDT | 1 | 8.6±0.3 | 7.0±0.4 | 6.9±0.5 | 6.7±0.4 | 6.9±0.4 | 6.8±0.5 | <0.001 | 0.012 |
| | 2 | 8.4±0.3 | 7.0±0.4 | 6.8±0.5 | 6.5±0.4 | 6.8±0.4 | 6.6±0.5 | <0.001 | 0.018 |
| Oxychlorodane | 1 | 9.8±0.2 | 8.7±0.4 | 9.0±0.4 | 9.4±0.4 | 8.9±0.4 | 10.0±0.6 | 0.311 | 0.019 |
| | 2 | 9.9±0.2 | 8.9±0.4 | 9.1±0.5 | 9.6±0.4 | 9.0±0.4 | 10.2±0.6 | 0.456 | 0.047 |
| <i>Trans</i> -nonachlor | 1 | 14.5±0.4 | 13.7±0.6 | 13.8±0.8 | 15.3±0.7 | 13.4±0.6 | 14.3±0.9 | 0.571 | 0.824 |
| | 2 | 14.7±0.4 | 14.1±0.7 | 14.1±0.8 | 15.6±0.7 | 13.7±0.6 | 14.6±0.9 | 0.673 | 0.963 |
| Heptachlor epoxide | 1 | 5.3±0.1 | 5.0±0.2 | 5.2±0.3 | 5.4±0.2 | 4.5±0.2 | 4.8±0.3 | 0.008 | 0.422 |
| | 2 | 5.3±0.1 | 5.1±0.2 | 5.3±0.3 | 5.4±0.2 | 4.6±0.2 | 4.8±0.3 | 0.021 | 0.211 |
| No. of subjects | | 715 | 203 | 183 | 207 | 266 | 128 | | |
| ΣPCBs | 1 | 91.5±2.1 | 84.1±3.6 | 97.0±4.4 | 103.6±4.4 | 99.3±3.7 | 103.5±5.6 | <0.001 | 0.833 |
| | 2 | 91.9±2.2 | 84.6±3.6 | 98.4±4.4 | 104.3±4.4 | 99.0±3.7 | 103.2±5.5 | 0.001 | 0.972 |

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.