

Supplementary Table 1. Wet serum concentrations of persistent organic pollutants according to the duration of leisure-time physical activity

Variable	Model ^a	Daily duration of leisure-time moderate to vigorous physical activity, min/day					<i>P</i> _{trend}	<i>P</i> _{quadratic}
		0	1 to <10	10 to <30	30 to <60	60≤		
No. of subjects		750	286	328	256	230		
ΣOCPs	1	2,648.8±92.5	2,267.0±124.5	1,909.1±97.8	2,015.5±116.8	1,932.3±118.7	<0.001	0.012
	2	2,633.0±94.0	2,290.3±126.5	1,912.1±99.1	2,012.8±118.7	1,938.5±120.4	<0.001	0.016
β-Hexachlorocyclohexane	1	58.3±2.1	46.5±2.7	44.2±2.4	44.3±2.7	42.3±2.7	<0.001	0.022
	2	57.9±2.2	46.9±2.7	43.8±2.4	44.8±2.8	42.3±2.8	<0.001	0.026
<i>p,p'</i> -DDE	1	2,160.6±82.0	1,877.2±112.0	1,549.8±86.3	1,660.0±104.6	1,581.4±105.6	<0.001	0.023
	2	2,149.1±83.4	1,896.5±113.9	1,552.1±87.5	1,653.7±106.1	1,584.1±107.0	<0.001	0.029
<i>p,p'</i> -DDT	1	53.4±1.8	45.4±2.4	39.5±2.0	40.3±2.3	38.8±2.3	<0.001	0.020
	2	52.3±1.8	45.4±2.4	38.8±2.0	39.8±2.3	38.2±2.3	<0.001	0.026
Oxychlorodane	1	59.8±1.5	56.0±2.2	53.4±2.0	52.6±2.2	56.7±2.5	0.025	0.028
	2	60.2±1.6	57.2±2.3	54.7±2.1	54.3±2.3	58.0±2.6	0.082	0.056
<i>Trans</i> -nonachlor	1	88.8±2.5	86.7±3.8	82.8±3.4	81.8±3.8	85.5±4.2	0.159	0.295
	2	89.8±2.6	88.6±4.0	85.0±3.6	84.3±4.0	87.6±4.4	0.302	0.402
Heptachlor epoxide	1	32.7±0.8	31.1±1.2	31.0±1.1	29.0±1.2	26.7±1.2	<0.001	0.350
	2	32.5±0.8	31.5±1.2	31.1±1.1	30.1±1.2	26.9±1.2	<0.001	0.206
No. of subjects		671	252	321	234	224		
ΣPCBs	1	559.8±13.4	553.7±20.9	579.1±19.4	585.1±23.0	604.8±24.3	0.065	0.663
	2	563.3±13.8	559.1±21.1	588.8±20.1	589.8±23.4	611.8±25.0	0.048	0.768

Values are presented as geometric mean ± standard error (pg/g).

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, and 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.