Supplemental Material

Table 1 Percentual change in plasma concentrations of single PCBs (ng/g lipid) with increase in fitness, fatness and vigorous physical activity.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Fitness | | | | Fatness | | | | Vigorous physical activity | | | |
|  | N | % (95% CI)a | βc | p-value | N | % (95% CI)b | βc | p-value | N | % (95% CI)a | βc | p-value |
| PCB138 | 501 | 73.2 (58.0, 90.0) | 0.50 | <0.01 | 495 | -6.4 (-7.6, -5.3) | -0.44 | <0.01 | 329 | 5.0 (-3.5, 14.3) | 0.05 | 0.25 |
| PCB153 | 501 | 73.2 (58.0, 89.9) | 0.50 | <0.01 | 495 | -6.9 (-8.0, -5.8) | -0.48 | <0.01 | 329 | 4.1 (-4.3, 13.2) | 0.04 | 0.35 |
| PCB180 | 501 | 87.3 (68.2, 108.6) | 0.49 | <0.01 | 495 | -7.9 (-9.1, -6.6) | -0.47 | <0.01 | 329 | 4.0 (-5.7, 14.8) | 0.01 | 0.43 |

Note: Adjusted for sex and age.

aBeta-coefficients represent percent change in dependent variable due to a one-unit increase in independent variable.

bBeta-coefficients represent percent change in dependent variable due to 10 % increase in independent variable.

cβ standardized beta-coefficient.