

Supplementary Table 1. OCPs levels in blood samples of control, pre-diabetic, and newly detected DM group

OCP, ppb	Control (Group 1) (n=100)	Pre-diabetes (Group 2) (n=100)	Newly detected DM (Group 3) (n=100)	Mann-Whitney P value
α-HCH	1.19±1.06	1.65±1.58	1.42±1.29	1 vs. 2=0.122
	1.19 (0.10–2.14)	1.74 (0.14–2.55)	1.21 (0.21–2.43)	1 vs. 3=0.350 2 vs. 3=0.690
β-HCH	1.30±1.28	1.82±1.21	2.39±0.92	1 vs. 2=0.033 ^a
	1.06 (0.00–2.43)	2.01 (0.99–2.58)	2.43 (1.77–3.12)	1 vs. 3<0.001 ^a 2 vs. 3=0.014 ^a
γ-HCH	1.24±1.03	1.39±1.11	1.40±1.09	1 vs. 2=0.494
	0.95 (0.26–2.15)	1.23 (0.16–2.21)	1.08 (0.47–2.58)	1 vs. 3=0.459 2 vs. 3=0.873
Aldrin	0.75±0.74	1.38±1.22	1.87±1.32	1 vs. 2=0.003 ^a
	0.63 (0.002–2.01)	1.24 (0.49–2.14)	1.95 (1.0–2.64)	1 vs. 3<0.001 ^a 2 vs. 3=0.020 ^a
Dieldrin	1.05±1.01	1.74±1.12	2.27±1.19	1 vs. 2<0.001 ^a
	1.03 (0.00–1.85)	2.02 (0.98–2.64)	2.58 (1.28–3.22)	1 vs. 3<0.001 ^a 2 vs. 3=0.015 ^a
o,p'-DDE	0.91±0.87	1.11±1.11	1.24±1.15	1 vs. 2=0.544
	0.95 (0.002–1.64)	1.00 (0.00–2.09)	1.12 (0.00–2.25)	1 vs. 3=0.110 2 vs. 3=0.389
p,p'-DDE	0.89±0.65	1.99±1.23	2.29±1.17	1 vs. 2<0.001 ^a
	0.92 (0.46–1.53)	2.19 (1.10–2.96)	2.58 (1.46–3.34)	1 vs. 3<0.001 ^a 2 vs. 3=0.262
p,p'-DDD	0.67±0.54	0.70±0.56	0.79±0.52	1 vs. 2=0.935
	0.78 (1.98–1.09)	0.82 (0.84–1.11)	0.89 (0.36–1.05)	1 vs. 3=0.414 2 vs. 3=0.585

Values are presented as mean ± standard deviation or median (interquartile range).

OCP, organochlorine pesticide; DM, diabetes mellitus; ppb, parts per billion; HCH, hexachlorocyclohexane; DDE, dichloro-diphenyl-dichloro-ethylene; DDD, dichloro-diphenyl-dichloroethane.

^aP≤0.05.