

Table S2. Sleep duration and EDCs concentrations grouped by vitamin D level.

Environmental endocrine disruptors	Non-vitamin d deficiency (mean \pm SD)	Vitamin d deficiency (mean \pm SD)	χ^2	P-value
Sleep duration	6.89 \pm 1.33	6.51 \pm 1.57	652048.871	<0.001
BP3	3.22 \pm 2.20	2.31 \pm 1.87	585115.079	<0.001
BPH	0.51 \pm 0.90	0.51 \pm 1.00	20755.865	<0.001
TRS	2.63 \pm 1.90	2.34 \pm 1.85	22153.448	<0.001
MPB	4.03 \pm 1.70	4.09 \pm 1.71	11530.968	<0.001
PPB	1.98 \pm 2.29	1.89 \pm 2.22	11600.378	<0.001
CNP	1.00 \pm 0.96	0.78 \pm 0.93	2366.760	<0.001
ECP	2.79 \pm 0.99	2.71 \pm 0.92	6335.713	<0.001
MBP	2.39 \pm 0.99	2.46 \pm 0.89	16565.781	<0.001
MC1	0.99 \pm 1.10	0.78 \pm 1.10	2898.803	<0.001
MEP	4.02 \pm 1.44	4.21 \pm 1.46	11067.224	<0.001
MHH	2.35 \pm 1.06	2.29 \pm 1.00	4.399	0.036
MHP	0.48 \pm 1.06	0.46 \pm 0.96	37339.190	<0.001
MOH	1.86 \pm 1.00	1.78 \pm 0.95	166.970	<0.001
BP3	1.59 \pm 1.01	1.74 \pm 1.03	652048.871	<0.001