

Supplementary Materials: Risk of Abdominal Obesity Associated with Phthalate Exposure of Nurses

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Table S1. Associations between phthalate metabolites on the anthropometric parameters adjusted to consumer behavior and consumer practices.

metabolite	Anthropometric parameter																	
		BMI	HC	WC	WHR	WHtR	FMI	FFMI	VF	ABSI	HI	z BMI	z ABSI	z HI	BMI risk	ABSI risk	HI risk	ARI risk
MMP	r	-,041	-,041	-,101	-,107	-,020	-,214	,294	-,163	,002	,146	-,074	-,154	,166	,032	-,174	-,121	-,101
	p	,825	,825	,590	,565	,915	,249	,108	,382	,991	,434	,691	,407	,374	,865	,349	,516	,590
MEP	r	,123	-,005	-,032	-,046	-,003	,122	,021	-,124	-,236	-,189	,149	-,147	-,171	,181	-,050	-,039	,070
	p	,509	,978	,866	,805	,986	,514	,913	,508	,201	,310	,423	,429	,357	,329	,791	,837	,709
MBzP	r	,568	,547	,588	,254	,611	,450	,288	,439	,079	,127	,472	,008	,144	,361	-,061	,385	,211
	p	,001	,001	,000	,169	,000	,011	,117	,013	,672	,497	,007	,965	,438	,046	,746	,032	,255
MiBP	r	,071	,115	,228	,243	,215	-,010	,151	,103	,302	,096	-,010	,183	,122	,046	,163	,314	,209
	p	,703	,538	,217	,188	,246	,959	,416	,582	,099	,607	,958	,325	,513	,806	,382	,086	,259
OH-MiBP	r	,062	,073	,194	,244	,148	-,070	,239	,024	,211	-,040	-,010	,202	-,034	-,014	,156	,246	,115
	p	,741	,696	,296	,186	,428	,708	,196	,899	,254	,830	,959	,276	,856	,939	,402	,183	,539
MnBP	r	,083	,064	,253	,361	,240	,023	,117	,160	,328	-,042	-,001	,198	-,013	,032	,175	,303	,207
	p	,658	,733	,169	,046	,193	,903	,531	,391	,071	,822	,995	,285	,946	,863	,345	,098	,264
OH-MnBP	r	-,070	-,003	,103	,199	,058	-,239	,285	-,138	,299	,059	-,130	,280	,064	-,059	,256	,276	,229
	p	,710	,986	,580	,284	,758	,196	,120	,458	,102	,752	,487	,127	,731	,754	,165	,133	,216
MEHP	r	-,038	,006	,174	,294	,145	-,018	-,040	,126	,355	,042	-,110	,244	,070	-,115	,200	,410	,157
	p	,840	,974	,350	,108	,436	,924	,831	,499	,050	,821	,555	,186	,710	,537	,280	,022	,399
OH MEHP	r	,058	,137	,136	,051	,147	-,017	,139	,045	,157	,200	-,027	,051	,248	-,046	,038	,084	-,001
	p	,758	,463	,464	,785	,430	,928	,457	,811	,400	,281	,887	,786	,179	,806	,839	,653	,996
oxo MEHP	r	,088	,175	,264	,213	,239	,016	,138	,046	,338	,204	,021	,347	,209	,140	,297	,377	,395
	p	,636	,347	,151	,251	,194	,930	,458	,805	,063	,271	,911	,056	,260	,454	,104	,036	,028
cx- MEPP	r	,134	,153	,178	,098	,217	,130	,028	,181	,147	,164	,038	,042	,189	,131	,021	,220	,150
	p	,472	,412	,337	,601	,240	,487	,883	,329	,432	,378	,838	,821	,308	,483	,911	,235	,420
oxo MiNP	r	,257	,363	,264	-,072	,222	,085	,336	,169	-,054	,204	,247	-,081	,230	,175	-,137	-,102	-,102
	p	,164	,045	,151	,701	,230	,648	,065	,362	,773	,271	,180	,666	,213	,347	,461	,585	,584
cx-MiNP	r	,366	,400	,354	,040	,376	,216	,315	,194	-,004	,205	,309	-,039	,219	,266	-,089	,140	,103
	p	,043	,026	,051	,830	,037	,244	,084	,295	,984	,268	,091	,836	,236	,148	,634	,451	,580

Note: MMP, mono-methyl phthalate; MEP, mono-ethyl phthalate; MBzP, mono-benzyl phthalate; MiBP, mono-isobutyl phthalate; OH-MiBP, mono-hydroxy-iso-buthyl phthalate; MnBP, mono-n-butyl phthalate; OH-MnBP, mono-hydroxy-n-buthyl phthalate; MEHP, mono-2-ethylhexyl phthalate; OH MEHP, mono(2-ethyl-5-hydroxyhexyl) phthalate; oxo-MEHP, mono(2-ethyl-5-oxohexyl) phthalate; cx- MEPP, mono(2-ethyl-5-carboxypentyl) phthalate; oxo MiNP, mono-oxo-isononyl phthalate; cx MiNP, mono-carboxy-isononyl phthalate; BMI, Body Mass Index; HC, hip circumference; WC, waist circumference; WHR, Waist to Hip Ratio; WHtR, Waist to Height Ratio; FMI, Fat Mass Index; FFMI, Fat-Free Mass Index; VF, visceral fat; ABSI, A Body Shape Index; HI, Hip Index; z BMI, BMI adjusted for age and sex; z ABSI, ABSI adjusted for age and sex; z HI, HI adjusted for age and sex; BMI risk, the risk of premature mortality based on the Body Mass Index; ABSI risk, the risk of premature mortality based on the A Body Shape Index; HI risk, the risk of premature mortality based on the Hip Index; ARI risk, the risk of premature mortality based on the Anthropometric Risk Index; Adjusted to: physical activity; consuming meals heated in plastic containers in the microwave; consuming meals from the plastic container; drinking beverages from plastic cups or plastic bottles; using personal protective equipment (vinyl medical gloves); presence of polyvinyl chloride flooring material; using: hand cream; antiperspirant; perfume; salaams packaged in plastic material; meat products; baguette; salads; biscuits; chocolate during body lotion; nail polish; consuming: margarine; cheese and last 24 hours before sampling.