

SUPPLEMENTARY TABLE S1. Levels of BPA in composites food samples from the Sixth China Total Diet Study ($\mu\text{g}/\text{kg}$).

Food categories	HL	LN	HE	BJ	JL	SX	SN	HA	NX	NM	QH	GS	SH	FJ	JX	JS	ZJ	SD	HB	SC	GX	HN	GD	GZ
Cereals	0.256	1.445	0.156	1.341	ND ^a	0.203	0.874	0.975	0.295	0.297	0.362	0.169	0.274	0.236	0.167	0.273	0.162	0.184	0.178	ND	0.256	1.445	0.156	1.341
Legumes	ND	0.203	0.874	0.975	0.295	0.297	0.362	0.169	0.274	0.236	0.167	0.273	0.162	0.184	0.178	ND	0.207	ND	3.389	0.508	1.166	0.563	0.185	0.723
Potatoes	0.293	0.404	ND	0.219	0.698	0.239	0.187	0.636	0.212	0.185	1.352	0.271	0.271	0.274	0.277	0.222	0.206	0.233	0.29	0.294	0.249	0.474	0.215	0.393
Meat	0.213	5.815	0.383	0.356	0.453	1.104	0.175	1.737	0.228	0.784	3.629	1.665	0.926	0.249	ND	0.904	1.028	0.184	0.263	0.473	0.849	0.480	0.386	2.209
Eggs	0.207	0.544	0.453	ND	ND	ND	0.314	ND	ND	ND	ND	0.246	0.286	ND	0.209	0.178	ND	ND	0.251	0.177	ND	0.253	0.161	0.218
Aquatic foods	0.199	3.310	0.770	0.629	0.268	2.408	0.199	1.299	0.275	0.942	2.486	0.326	0.624	0.689	0.724	0.646	1.223	1.336	0.486	0.298	0.844	0.639	0.689	0.928
Milk	0.181	0.235	0.199	ND	0.025	ND	ND	ND	ND	ND	ND	ND	0.153	ND	ND	ND	ND	ND	ND	0.168	0.385	0.215	0.236	0.249
Vegetables	0.153	0.201	0.167	0.453	ND	0.284	1.088	0.347	0.19	0.478	0.231	0.243	0.19	0.296	0.285	0.303	0.575	0.291	0.193	0.326	0.311	0.336	0.387	0.936
Fruits	0.432	0.247	0.606	0.468	0.261	1.498	0.22	1.056	2.601	0.383	ND	1.428	0.405	0.260	0.176	20.001	0.154	0.545	0.481	0.245	7.933	0.18	0.542	ND
Sugars	1.648	0.654	2.034	0.520	0.780	0.530	ND	0.784	0.197	3.256	1.066	1.516	0.252	0.543	0.387	ND	0.669	1.511	0.338	2.699	0.845	0.549	0.357	0.538
Water and beverages	ND	0.168	ND	ND	ND	ND	ND	1.569	1.534	ND	ND	ND	ND	ND	ND	ND	ND	0.161	ND	ND	ND	ND	0.763	ND
Alcoholic beverages	0.209	0.188	ND	ND	0.174	ND	ND	0.403	0.356	0.610	ND	ND	ND	ND	ND	0.478	ND	ND	0.159	ND	ND	ND	ND	0.17

Note: ND: non-detected value, assigned 1/2 LOD in calculations.

Abbreviations: HL=Heilongjiang; LN=Liaoning; HE=Hebei; BJ=Beijing; JL=Jilin; SX=Shanxi; SN=Shaanxi; HA=Henan; NX=Ningxia; NM=Inner Mongolia; QH=Qinghai; GS=Gansu; SH=Shanghai; FJ=Fujian; JX=Jiangxi; JS=Jiangsu; ZJ=Zhejiang; SD=Shandong; HB=Hubei; SC=Sichuan; GX=Guangxi; HN=Hunan; GD=Guangdong; GZ=Guizhou; (the same below).

SUPPLEMENTARY TABLE S2. Levels of BPS in composites food samples from the Sixth China Total Diet Study ($\mu\text{g}/\text{kg}$).

Food categories	HL	LN	HE	BJ	JL	SX	SN	HA	NX	NM	QH	GS	SH	FJ	JX	JS	ZJ	SD	HB	SC	GX	HN	GD	GZ
Cereals	0.129	0.316	1.983	0.068	ND	0.675	0.033	0.388	0.169	1.269	0.128	0.152	0.060	0.495	0.02	6.403	0.401	0.241	0.059	ND	ND	0.032	ND	0.021
Legumes	1.213	1.408	1.045	0.031	0.025	0.074	1.169	0.160	2.543	1.639	0.021	0.466	0.304	3.145	ND	0.948	0.161	1.068	1.820	4.228	0.142	ND	1.907	0.076
Potatoes	0.106	0.243	0.161	0.029	ND	0.145	0.156	0.465	0.036	0.648	0.024	0.183	0.058	0.122	0.136	0.265	0.258	0.116	0.148	0.027	ND	0.201	0.154	0.208
Meat	0.203	8.638	6.669	ND	ND	2.182	4.768	16.587	0.378	2.044	0.120	0.100	11.215	67.093	0.039	6.291	3.648	2.481	4.071	0.229	0.104	0.846	0.141	1.976
Eggs	0.073	0.044	0.619	0.314	0.025	0.029	ND	0.037	0.214	0.021	0.041	0.067	0.636	0.223	0.230	0.109	0.021	0.148	0.019	ND	ND	0.074	0.028	0.022
Aquatic foods	2.159	0.598	6.344	0.743	0.091	1.921	1.501	2.622	0.026	0.757	1.506	0.131	4.586	3.127	0.023	0.509	0.087	0.644	1.621	0.369	0.034	0.427	ND	0.159
Milk	0.148	ND	ND	ND	ND	0.052	ND	0.028	0.038	0.055	0.040	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.033	ND	ND
Vegetables	0.073	0.968	0.173	0.056	0.02	0.223	0.483	0.201	0.794	1.807	0.033	0.036	0.093	0.608	0.022	1.156	0.869	0.106	0.148	0.129	0.02	0.029	0.072	0.124
Fruits	0.071	1.598	0.534	0.053	0.048	0.122	0.465	0.523	0.100	1.714	0.032	0.171	0.169	0.329	0.099	0.347	0.058	0.256	0.624	0.030	0.100	0.039	0.026	0.050
Sugars	0.114	0.029	0.069	0.022	0.019	0.021	0.021	0.021	0.016	0.103	0.02	ND	ND	ND	ND	ND	0.028	0.055	0.019	0.058	0.106	ND	ND	0.036
Water and beverages	ND	0.612	0.075	0.054	ND	ND	0.027	ND	ND	0.026	0.059	0.019	0.268	0.018	0.02	0.099	ND	ND	ND	ND	0.028	ND	ND	ND
Alcoholic beverages	0.016	0.029	0.018	0.019	ND	ND	0.019	0.02	0.083	ND	1.537	ND	ND	ND	ND	ND	0.018	0.029	ND	0.024	ND	0.030	ND	ND

Note: ND: non-detected value, assigned 1/2 LOD in calculations.

SUPPLEMENTARY TABLE S3. Levels of BPF in composites food samples from the Sixth China Total Diet Study (µg/kg).

Food categories	HL	LN	HE	BJ	JL	SX	SN	HA	NX	NM	QH	GS	SH	FJ	JX	JS	ZJ	SD	HB	SC	GX	HN	GD	GZ
Cereals	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.169
Legumes	ND	0.184	ND	0.163	ND	0.444	0.383	ND	ND	ND	0.624	ND	ND	0.288	ND	0.163	ND	0.192	1.064	ND	ND	ND	ND	ND
Potatoes	ND	ND	ND	ND	ND	ND	0.186	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Meat	ND	ND	ND	0.261	ND	ND	ND	ND	0.205	0.279	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.168	0.209	ND	ND
Eggs	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aquatic foods	0.169	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.192	ND
Milk	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vegetables	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.16	ND	ND	ND	ND	ND	ND	ND	0.190	ND	ND	ND
Fruits	0.169	ND	0.156	ND	ND	ND	ND	ND	ND	ND	0.449	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sugars	0.26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Water and beverages	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Alcoholic beverages	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Note: ND: non-detected value, assigned 0 in calculations.

SUPPLEMENTARY TABLE S4. Levels of BPAF in composites food samples from the Sixth China Total Diet Study (µg/kg).

Food categories	HL	LN	HE	BJ	JL	SX	SN	HA	NX	NM	QH	GS	SH	FJ	JX	JS	ZJ	SD	HB	SC	GX	HN	GD	GZ
Cereals	ND	ND	0.026	ND	ND	ND	0.015	ND	ND	ND	0.129	0.040	ND	ND	ND	ND	ND	ND	0.02	0.015	ND	ND	0.051	ND
Legumes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Potatoes	ND	0.024	0.029	ND	ND	ND	ND	ND	ND	ND	0.016	0.019	0.018	0.018	0.018	0.018	0.018	ND	ND	ND	ND	ND	0.018	ND
Meat	ND	0.530	ND	0.019	ND	ND	ND	ND	0.024	0.018	ND	0.015	ND	ND	0.021	ND	ND	ND	ND	ND	ND	ND	ND	ND
Eggs	ND	ND	0.030	0.038	0.017	ND	ND	ND	ND	0.025	0.02	0.020	0.019	ND	ND	0.017	0.2	ND	ND	ND	ND	0.029	0.061	0.02
Aquatic foods	ND	0.025	0.02	0.027	ND	0.015	0.017	ND	0.016	0.019	0.025	0.017	0.026	ND	0.026	0.044	0.796	0.029	0.029	0.029	0.029	1.751	0.022	0.025
Milk	ND	ND	0.015	ND	ND	0.026	ND	ND	ND	0.016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vegetables	0.041	0.036	ND	0.024	0.023	0.018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.026	ND	0.029	ND	ND	0.023	ND	ND
Fruits	0.021	ND	ND	0.021	ND	0.018	ND	0.015	ND	0.018	0.092	ND	ND	ND	ND	0.025	0.052	0.175	0.108	ND	ND	ND	ND	ND
Sugars	0.036	ND	0.02	ND	ND	ND	ND	0.043	ND	ND	ND	ND	ND	ND	ND	ND	0.021	ND	0.02	ND	ND	ND	ND	ND
Water and beverages	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Alcoholic beverages	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Note: ND: non-detected value, assigned 0 in calculations.

SUPPLEMENTARY TABLE S5. Estimated BPA and its analogues exposures in three Total Diet Studys (ng/kg body weight per day).

Compound	The Fourth TDS 2007	The Fifth TDS 2010–2012	The Sixth TDS (this study) 2016–2019
BPA	43	217	18.1
BPS	–	25.6	22.2
BPF	–	25.1	0.485
BPAF	–	0.499	0.384

Note: “–” means not detected.

Abbreviations: BPA=bisphenol A; BPS=bisphenol S; BPF=bisphenol F; BPAF=bisphenol AF; TDS=Total Diet Studys.