

**Supplementary Table S1.** Basic information on the studied counties ( $n = 18$ ) (medians and quartile ranges)

Group	County	N	WIC ( $\mu\text{g/L}$ )	SIC (mg/kg)	UIC ( $\mu\text{g/L}$ )
Group I	Nanan	30	6.8 (4.1–9.2)	23.6 (22.6–24.2)	119.7 (73.4–221.8)
	Mingxi	79	0.2 (0.2–0.8)	23.7 (22.4–24.5)	111.8 (81.6–177.6)
	Taijiang	22	4.3 (4.1–4.3)	23.4 (19.9–25.7)	129.3 (103.6–174.1)
	Chengxiang	34	2.9 (2.4–3.2)	23.7 (22.4–24.7)	121.3 (86.9–213.0)
	Xiangcheng	41	8.1 (5.3–9.5)	23.4 (22.6–24.8)	128.8 (92.3–163.1)
	LiCheng	71	3.2 (2.4–4.0)	23.6 (22.1–24.3)	127.7 (88.9–159.5)
	Dongshan	57	6.6 (6.6–7.1)	24.5 (21.0–25.6)	128.9 (96.2–183.2)
	Jimei	46	5.3 (4.8–5.7)	23.9 (23.2–25.0)	147.2 (101.0–216.2)
	Total	425	4.1 (2.4–6.6)	23.7 (22.4–24.8)	130.8 (91.5–198.1)
Group II	Jian'ou	33	0.9 (0.9–1.1)	24.8 (23.6–26.6)	153.6 (120.0–204.8)
	Xiang'an	85	5.5 (5.1–5.5)	24.1 (23.1–25.3)	158.0 (107.2–229.9)
	Xinluo	40	0.8 (0.7–0.9)	25.1 (24.1–26.1)	171.0 (125.0–229.7)
	Changle	31	4.0 (4.0–7.2)	21.4 (19.9–26.2)	169.6 (115.4–234.8)
	Sanyuan	74	0.8 (0.7–2.1)	26.2 (25.0–27.9)	162.2 (127.4–232.5)
	XiaPu	19	6.0 (6.0–7.7)	24.4 (14.4–26.1)	160.0 (99.0–232.0)
	Jiaocheng	41	7.2 (7.2–7.2)	23.9 (22.2–25.1)	174.0 (110.0–273.5)
	Zhangping	54	1.0 (0.9–1.1)	26.6 (25.4–27.7)	185.1 (141.7–249.9)
	Licheng	35	9.6 (9.4–9.8)	23.7 (23.2–24.4)	195.3 (123.1–255.8)
	Yanping	25	2.1 (1.3–2.1)	25.5 (24.4–26.6)	215.9 (144.4–303.8)
Total	387	2.1 (0.9–5.5)	25.0 (23.6–26.4) <sup>a</sup>	172.0 (123.5–244.4)	
Total	812	3.4 (1.1–5.7)	24.2 (23.0–25.6)	148.2 (103.9–217.6)	

**Note.** Data are expressed as median ( $P_{25}$ – $P_{75}$ ). WIC, drinking water iodine concentration; SIC, salt iodine concentration; UIC, urinary iodine concentration. Group I, the counties with median UIC of PW in 100–149  $\mu\text{g/L}$ ; Group II, the counties with median UIC of PW in 150–249  $\mu\text{g/L}$ ; <sup>a</sup> $P < 0.05$  between the two groups with Group I.