

Table S1 The age-standardized and gender-standardized prevalence of gallstones by geographic regions

Provinces	Population, N in 10k	Participants, N	All gallstones			GB stones			IHD gallstones			EHD stones		
			N	ASGS-prevalence (%)	95% CI	N	ASGS-prevalence (%)	95% CI	N	ASGS-prevalence (%)	95% CI	N	ASGS-prevalence (‰)	95% CI
Hubei	5902	528413	44,386	8.86	8.77–8.95	22,286	4.73	4.66–4.80	80	1.8	1.35–2.25	22,913	4.37	4.31–4.43
Guizhou	3580	156470	10,377	7.01	6.86–7.16	7,366	5.49	5.35–5.64	43	3.26	2.14–4.37	3,104	2	1.92–2.07
Jiangxi	4622	168930	10,624	6.67	6.53–6.81	7,772	5.04	4.92–5.17	15	0.96	0.45–1.47	2,946	1.78	1.71–1.85
Guangxi	4885	216458	12,587	6.41	6.28–6.54	7,085	3.91	3.81–4.02	21	1.41	0.65–2.17	5,650	2.59	2.52–2.67
Liaoning	4369	727072	48,000	6.36	6.30–6.43	28,286	3.72	3.67–3.77	53	0.678	0.48–0.87	20,463	2.76	2.72–2.80
Qinghai	598	16440	978	6.36	5.88–6.85	910	6.42	5.90–6.93	0	0	–	73	0.432	0.32–0.55
Heilongjiang	3789	103745	6,635	6.25	6.08–6.41	4,273	4.04	3.91–4.17	12	1.16	0.45–1.86	2,433	2.29	2.19–2.39
Guangdong	11169	1230251	59,318	6.13	6.06–6.19	34,521	4.2	4.15–4.26	77	1.13	0.79–1.47	25,344	2.04	2.01–2.07
Gansu	2626	172177	9,840	5.89	5.76–6.02	9,109	6.01	5.87–6.16	36	3.02	1.87–4.17	755	0.438	0.41–0.47
Hunan	6860	356791	20,264	5.64	5.56–5.73	17,125	4.8	4.72–4.87	65	1.97	1.42–2.52	3,248	0.927	0.89–0.96
Jilin	2717	210337	11,556	5.45	5.33–5.56	8,078	3.87	3.77–3.97	14	0.678	0.25–1.11	3,603	1.67	1.61–1.73
Yunnan	4801	320329	15,410	5.29	5.19–5.38	14,109	4.99	4.89–5.08	62	3.02	2.14–3.90	1,301	0.401	0.38–0.42
Sichuan	8302	809345	39,435	5.16	5.10–5.21	37,531	5.15	5.09–5.21	173	3.05	2.53–3.57	1,873	0.235	0.22–0.25
Zhejiang	5657	407868	16,219	5.05	4.95–5.15	12,576	4.25	4.15–4.35	45	1.99	1.19–2.79	3,713	0.929	0.89–0.97
Fujian	3911	180079	7,389	4.98	4.83–5.13	5,334	3.8	3.66–3.93	14	1.39	0.32–2.45	2,126	1.27	1.20–1.34
Hainan	926	95923	4,310	4.98	4.81–5.15	2,978	3.57	3.42–3.72	6	1.14	0.00–2.33	1,357	1.46	1.37–1.55
Shanghai	2418	683906	28,975	4.78	4.72–4.84	26,747	4.57	4.51–4.63	62	1.1	0.81–1.40	2,256	0.334	0.32–0.35
Chongqing	3075	139969	5,790	4.67	4.53–4.81	4,835	4.06	3.93–4.19	4	0.308	0.00–0.62	983	0.702	0.65–0.75
Jiangsu	8029	654408	23,493	4.53	4.46–4.61	21,157	4.28	4.21–4.36	46	1.39	0.82–1.96	2,392	0.384	0.36–0.40
Anhui	6255	278135	11,688	4.47	4.38–4.55	10,530	4.14	4.06–4.23	30	1.25	0.75–1.76	1,191	0.447	0.42–0.48
Xinjiang	2445	227910	9,287	4.44	4.34–4.53	8,597	4.4	4.30–4.50	32	1.79	1.14–2.44	691	0.306	0.28–0.33
Shaanxi	3835	295241	12,110	4.43	4.35–4.52	11,842	4.61	4.52–4.70	37	1.34	0.88–1.81	239	0.078	0.07–0.09
Tianjin	1557	258264	10,569	4.25	4.16–4.33	9,758	3.93	3.84–4.01	34	1.45	0.92–1.99	816	0.328	0.30–0.35
Henan	9559	748703	31,707	4.2	4.15–4.25	24,476	3.3	3.25–3.34	64	0.917	0.68–1.16	7,424	0.971	0.95–0.99
Inner Mongolia	2529	200363	8,363	4.18	4.07–4.28	7,300	3.82	3.72–3.92	21	1.09	0.56–1.61	1,080	0.534	0.50–0.57
Ningxia	682	30068	1,031	3.96	3.65–4.26	1,022	4.03	3.71–4.34	4	2.84	0.00–6.40	5	0.0124	0.001–0.023
Shanxi	3702	275169	10,648	3.81	3.74–3.89	10,508	3.86	3.79–3.94	31	1.2	0.75–1.65	114	0.042	0.03–0.05
Beijing	2171	343481	9,726	3.72	3.64–3.81	9,194	3.64	3.55–3.73	9	0.318	0.11–0.53	535	0.165	0.15–0.18
Shandong	10006	809340	28,031	3.5	3.46–3.55	21,545	2.72	2.68–2.76	54	0.781	0.55–1.02	6,621	0.813	0.79–0.83
Hebei	7520	292408	8,248	3	2.93–3.08	7,797	2.88	2.81–2.95	15	0.459	0.23–0.69	455	0.153	0.14–0.17

GB, gall bladder; IHD, intrahepatic bile duct; EHD, extrahepatic bile duct; ASGS-prevalence, Age-standardized and gender-standardized prevalence.