Supplementary Material

Prevalence of hepatitis E virus in China from 1997 to 2022: a

systematic review and meta-analysis

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1 Supplementary Figures and Tables

1.1 Supplementary Figures

Study	Events	Total		Proportion	95%-CI	Weight (common)	Weight (random)
Zhang ZX-2003	210	574	· +	0.3659	[0.3264; 0.4067]	0.1%	0.7%
AYiGuLi-2010	13	151 -		0.0861	[0.0466; 0.1427]	0.0%	0.6%
Ai X-2009	5588	12555		0.4451	[0.4364; 0.4538]	2.1%	0.7%
Bao ZY-2013	156	1204	1	0.1556	[0.1059; 0.2169]	0.0%	0.5%
Bo QN-2018	127	1019	4	0.1290	[0.1050:0.1499]	0.2%	0.7%
Cai YS-2013	230	510	+	0.4510	[0.4072; 0.4953]	0.1%	0.7%
Cao HJ-2004	881	2290	+	0.3847	[0.3647; 0.4050]	0.4%	0.7%
Cao HJ-2004	146	189		0.7725	[0.7060; 0.8302]	0.0%	0.6%
Chen XM-2014	281	868		0.4771	[0.4521, 0.5021]	0.3%	0.7%
Ning LF-2008	1086	3561	1 .t.	0.3050	[0.2899; 0.3204]	0.6%	0.7%
Chen YZ-2006	254	1084	 +	0.2343	[0.2094; 0.2607]	0.2%	0.7%
Cheng Y-2007	10	140 -		0.0714	[0.0348; 0.1274]	0.0%	0.6%
Dul -2013	295	235 +		0.0298	[0.2800, 0.3403]	0.0%	0.7%
Fan LZ-2012	0	158 -		0.0000	[0.0000; 0.0231]	0.0%	0.6%
You QZ-2019	1113	5552	+	0.2005	[0.1900; 0.2112]	0.9%	0.7%
Gao XI-2004	1804	192 +	*	0.2582	[0.2479; 0.2686]	1.2%	0.7%
Gong YH-2005	134	144		- 0.9306	[0.8760: 0.9662]	0.0%	0.6%
Gu HY-2013	505	6258		0.0807	[0.0741; 0.0877]	1.0%	0.7%
Yao XF-2013	806	2012	+	0.4006	[0.3791; 0.4224]	0.3%	0.7%
He YW-2018 Wu Y-2016	482	2206	1	0.0004	[0.0002; 0.0007]	0.0%	0.7%
Wu JY-2016	440	1720		0.2558	[0.2353; 0.2771]	0.3%	0.7%
Wu JY-2016	317	611	and the second sec	0.5188	[0.4784; 0.5591]	0.1%	0.7%
Hu AQ-2010	377	2019	+	0.1867	[0.1699; 0.2044]	0.3%	0.7%
Huang GV-2019	1013	3044	T +	0.1300	[0.1144, 0.1599]	0.2%	0.7%
Yao MF-2007	635	1316	+	0.4825	[0.4552; 0.5099]	0.2%	0.7%
Huang SY-2020	120	648		0.1852	[0.1560; 0.2173]	0.1%	0.7%
Huang SM-2017	273	5345		0.0511	[0.0453; 0.0573]	0.9%	0.7%
Meng 7H-2012	413	980	1 T 🛶	0.2227	[0.2056; 0.2404]	0.4%	0.7%
Lu B-2008	208	1060	+	0.1962	[0.1727; 0.2214]	0.2%	0.7%
Wang FD-2004	394	850	interio anti-	0.4635	[0.4296; 0.4977]	0.1%	0.7%
Zheng YJ-2005	573	852	<u>+</u>	0.6725	[0.6399; 0.7040]	0.1%	0.7%
Kong DG-2017	825	1945	1 +	0.1048	[0.1132, 0.2280]	0.0%	0.0%
Li B-2003	14	178 -	-	0.0787	[0.0437; 0.1284]	0.0%	0.6%
Li JT-2014	197	456	and the second sec	0.4320	[0.3860; 0.4789]	0.1%	0.7%
Bo QN-2019	259	1700		0.1524	[0.1356; 0.1703]	0.3%	0.7%
LIL-2012	169	768	14	0.2201	[0.0574, 0.1606]	0.0%	0.0%
Li WJ-2007	337	1553	+	0.2170	[0.1967; 0.2383]	0.3%	0.7%
Li W-2018	4923	10008	-#-	0.4919	[0.4821; 0.5018]	1.7%	0.7%
Li YB-2004	572	3336	*	0.1715	[0.1588; 0.1847]	0.6%	0.7%
Lin CY-2009	403	4959		0.0813	[0.2631, 0.2913]	0.7%	0.7%
Liu JY-2016	57	2127 +		0.0268	[0.0204; 0.0346]	0.4%	0.7%
Liu K-2009	223	1365	+	0.1634	[0.1441; 0.1841]	0.2%	0.7%
Liu XG-2007	610	1585		0.3849	[0.3608; 0.4093]	0.3%	0.7%
Yu I M-2001	5/1	417	+ I T	0.4220	[0.3961, 0.4495]	0.2%	0.7%
Lu B-2008	373	828	-	0.4505	[0.4162; 0.4851]	0.1%	0.7%
Lu J-2009	259	1977	+	0.1310	[0.1164; 0.1467]	0.3%	0.7%
Lu YH-2006	421	663		0.6350	[0.5971; 0.6717]	0.1%	0.7%
Ma TW-2013	30	324 -		0.0926	[0.0480, 0.0033]	0.0%	0.7%
Nong CS-2007	172	377	(-)	0.4562	[0.4051; 0.5080]	0.1%	0.7%
Pan TJ-2002	0	1580		0.0000	[0.0000; 0.0023]	0.3%	0.7%
Pan YL-2021	400	103794		0.0000	[0.0000; 0.0000]	17.3%	0.7%
Sang I Y-2007	1107	3701	1 1	0.3000	[0.2757, 0.3251]	0.2%	0.7%
Shao HW-2009	79	830	el l	0.0952	[0.0761; 0.1172]	0.1%	0.7%
Shao JS-2006	2565	14020	D .	0.1830	[0.1766; 0.1895]	2.3%	0.7%
Sun ZH-2017	2555	47852		0.0534	[0.0514; 0.0554]	8.0%	0.7%
Tang WF-2014	139	303		0.4587	[0.2939, 0.3420]	0.2%	0.7%
Tian JS-2007	35	778 +		0.0450	[0.0315; 0.0620]	0.1%	0.7%
Wang DM-2016	28	1000 +		0.0280	[0.0187; 0.0402]	0.2%	0.7%
Wang FY-1999	33	575 +		0.0574	[0.0398; 0.0797]	0.1%	0.7%
Wang C-2013 Wang YC-2005	297	4390		0.4007	[0.3922, 0.4214]	0.7%	0.7%
Zhu JF-2006	72	94		0.7660	[0.6674; 0.8471]	0.0%	0.6%
Wang Q-2014	422	2812	•	0.1501	[0.1371; 0.1638]	0.5%	0.7%
Wang ZZ-2007	1105	1234		0.8955	[0.8770; 0.9120]	0.2%	0.7%
Wang RL-2012 Wu CH-2003	509	148 +-	1	0.2510	[0.2322, 0.2705]	0.3%	0.7%
Wu XX-2021	169	836	+	0.2022	[0.1754; 0.2310]	0.1%	0.7%
Wu JY-2017	310	1459	1 +	0.2125	[0.1917; 0.2344]	0.2%	0.7%
Xia XW-2015	914	3513	+	0.2602	[0.2457; 0.2750]	0.6%	0.7%
Xiau 20-2022 Xie SE-2014	1010	2614	1 1 1	0.2011	[0.2465, 0.2740]	0.8%	0.7%
Xing XM-2011	185	812	1 +	0.2278	[0.1994; 0.2583]	0.1%	0.7%
Xu PN-2014	91	415	1+	0.2193	[0.1804; 0.2622]	0.1%	0.7%
Yan GX-2004	1269	3047	+	0.4165	[0.3989; 0.4342]	0.5%	0.7%
Yang B-2012	893	597 +		0.2368	[0.2233; 0.2507]	0.6%	0.7%
Yang LL-2015	966	3654	+	0.2644	[0.2501; 0.2790]	0.6%	0.7%
Yin YZ-2001	63	676	e) (0.0932	10.0724: 0.11771	0.1%	0.7%

Yu DS-2011	338	2429	+ i			0.1392	[0.1256: 0.1536]	0.4%	0.7%
Yu Q-2022	183	1076	1+1			0.1701	[0.1481; 0.1939]	0.2%	0.7%
Yu WX-2012	138	5000	0			0.0276	[0.0232: 0.0325]	0.8%	0.7%
Zhang D-2022	1000	6493	1.			0.1540	[0.1453: 0.1630]	1.1%	0.7%
Zhang LM-2017	95	739	+ 1			0.1286	[0.1053; 0.1548]	0.1%	0.7%
Zhang P-2015	47	1195	+			0.0393	[0.0290: 0.0520]	0.2%	0.7%
Zhang XF-2007	2152	4139		+		0.5199	[0.5046: 0.5353]	0.7%	0.7%
Zhao HL-2012	17	327	+ j i			0.0520	10.0306: 0.08191	0.1%	0.7%
Zheng RD-2013	207	850	i ÷	-		0.2435	[0.2150: 0.2738]	0.1%	0.7%
Zheng SJ-2015	55	205	- 1 +			0.2683	[0.2090; 0.3345]	0.0%	0.6%
Zhong CF-2011	1074	2627		+		0.4088	[0.3900; 0.4279]	0.4%	0.7%
Zhong SQ-2007	702	1239	- 1 I	+		0.5666	[0.5385; 0.5944]	0.2%	0.7%
Zhu GZ-2015	690	3305	1 +			0.2088	[0.1950; 0.2230]	0.5%	0.7%
Zhu GZ-2007	1127	4944	i +			0.2280	[0.2163; 0.2399]	0.8%	0.7%
Zhou HF-2006	47	175	1 ÷	→		0.2686	[0.2045; 0.3407]	0.0%	0.6%
Cai Y-2017	366	1842	+			0.1987	[0.1807; 0.2177]	0.3%	0.7%
Chan DP-2017	492	1539		+		0.3197	[0.2964; 0.3436]	0.3%	0.7%
Chang Y-2009	627	2819	1 1			0.2224	[0.2072; 0.2382]	0.5%	0.7%
Chen X-2019	799	4044	1 +			0.1976	[0.1854; 0.2102]	0.7%	0.7%
Chiu DM-2013	129	450	- i i-	an con		0.2867	[0.2453; 0.3309]	0.1%	0.7%
Cong W-2014	404	1955	1 +			0.2066	[0.1889; 0.2253]	0.3%	0.7%
Cui W-2016	228	1028	1 +			0.2218	[0.1967; 0.2485]	0.2%	0.7%
Dong C-2012	2793	14208	1			0.1966	[0.1901; 0.2032]	2.4%	0.7%
Feng Y-2018	1337	1912			+	0.6993	[0.6782; 0.7198]	0.3%	0.7%
Fu H-2010	70	296	17	-		0.2365	[0.1892; 0.2891]	0.0%	0.7%
Fu P-2021	249	1864	+ 1			0.1336	[0.1185; 0.1499]	0.3%	0.7%
Shenyang G-2011	37	456	+			0.0811	[0.0578; 0.1101]	0.1%	0.7%
Geng Y-2019	79	496	- ++ i			0.1593	[0.1282; 0.1945]	0.1%	0.7%
Gu G-2015	112	1491	*	1222		0.0751	[0.0623; 0.0897]	0.2%	0.7%
Guo QS-2010	14608	44816		52		0.3260	[0.3216; 0.3303]	7.5%	0.7%
Huang F-2013	30	293	- <u>+</u>			0.1024	[0.0702; 0.1429]	0.0%	0.7%
Huang F-2015	36	388	T 1			0.0928	[0.0658; 0.1261]	0.1%	0.7%
Huang H-2016	42	391	- 11			0.1074	[0.0785; 0.1424]	0.1%	0.7%
Jia Z-2014	3/19	15852	1 1			0.2346	[0.2280; 0.2413]	2.6%	0.7%
Taniguchi M-2009	143	300		1000000		0.4767	[0.4190, 0.5348]	0.0%	0.7%
LI H-2021	289	6269	- 1. I.			0.0461	[0.0410; 0.0516]	1.0%	0.7%
LI MY-2020	157	940	11			0.1660	[0.1428, 0.1912]	0.2%	0.7%
LIRC-2006	4839	10/15	- <u>1</u> 1			0.4516	[0.4422; 0.4611]	1.8%	0.7%
Liong H 2014	120	207				0.3900	[0.3233, 0.4759]	0.0%	0.0%
Lin Kell 2014	2400	10041				0.4202	[0.3044, 0.4770]	1 70/	0.7%
Lu 12000	1647	0760		100		0.3320	[0.3237, 0.3420]	1.770	0.7%
Mol 2015	07	266	14			0.1700	[0.1060, 0.1647]	0.104	0.7%
Ma XX-2021	220	2569	. 1 1			0.0617	[0.1530, 0.2847]	0.6%	0.7%
Ma 7-2010	407	2000	1+			0 1947	[0.0340; 0.0701]	0.3%	0.7%
Oian 7-2022	2275	10762	12			0.1151	[0.1107: 0.1107]	3 396	0.7%
Ren E-2013	2945	10741	3 5	72		0 2742	10 2658: 0 28271	1.8%	0.7%
Rui 7-2018	65	433	4			0 1501	[0 1178: 0 1873]	0.1%	0.7%
Shu Y-2019	455	1505		+		0.3023	10 2792 0 32621	0.3%	0.7%
Tsoi WC-2020	315	2000]+ i			0.1575	[0.1418: 0.1742]	0.3%	0.7%
Wang M-2017	1008	4046	1 +			0 2491	10 2359: 0 26281	0.7%	0.7%
Wang Y-2018	973	2592	11	+		0.3754	[0.3567: 0.3944]	0.4%	0.7%
Wen GP-2018	1227	5345	14			0 2296	10 2183: 0 24111	0.9%	0.7%
Wong KH-2004	176	934	1+1			0.1884	[0.1638: 0.2150]	0.2%	0.7%
Xue Y-2013	164	529				0.3100	[0.2708: 0.3514]	0.1%	0.7%
Yu Y-2009	1299	5493	1 +			0.2365	[0.2253; 0.2479]	0.9%	0.7%
Zhang LM-2018	1002	4102	-			0.2443	[0.2312; 0.2577]	0.7%	0.7%
Zhang L-2017	236	600				0.3933	[0.3540; 0.4337]	0.1%	0.7%
Zhang W-2009	117	1476	+			0.0793	[0.0660; 0.0942]	0.2%	0.7%
Zhuang W-2014	113	486		-		0.2325	[0.1956; 0.2727]	0.1%	0.7%
Common effect model		601199	11			0.1336	[0.1327; 0.1344]	100.0%	
Random effects model	45		ò			0.2317	[0.2023; 0.2625]		100.0%
Heterogeneity: /2 = 100%, 1	2 = 0.049	8, p = 0		1 1			Concerning and the second s		
		. (0.2	0.4 0.6	0.8				

Figure S1. Forest plot of pooled anti-HEV IgG seroprevalence in China

	-		2		Weight	Weight
Study	Events	lotal	Proportion	95%-CI	(common)	(random)
Ao YY-2016	26	5012 H	0.0052	[0.0034; 0.0076]	0.4%	0.9%
Bi L-2008	6	1204	0.0050	[0.0018; 0.0108]	0.1%	0.9%
Cao HJ-2004	49	2290	+ 0.0214	[0.0159; 0.0282]	0.2%	0.9%
Cao HJ-2004	5	189	0.0265	[0.0086; 0.0607]	0.0%	0.7%
Zhang MM-2013	3	835 ++	0.0036	[0.0007; 0.0105]	0.1%	0.8%
Chen JP-2014	2	8697	0.0002	[0.0000; 0.0008]	0.6%	0.9%
Chen JZ-2014	6	14275	0.0004	[0.0002; 0.0009]	1.0%	0.9%
Chen JZ-2015	11	21612	0.0005	[0.0003; 0.0009]	1.6%	0.9%
Chen K-2016	79	10156 +	0.0078	[0.0062; 0.0097]	0.7%	0.9%
Jiang RJ-2006	17	1084	- 0.0157	[0.0092; 0.0250]	0.1%	0.9%
Chen WG-2006	66	8213 +	0.0080	[0.0062; 0.0102]	0.6%	0.9%
Xu LL-2016	1	3225 4	0.0003	[0.0000; 0.0017]	0.2%	0.9%
Duan ZJ-2014	15	10803	0.0014	[0.0008; 0.0023]	0.8%	0.9%
Fang Y-2003	12	503 1 -	0.0239	[0.0124; 0.0413]	0.0%	0.8%
You QZ-2019	42	5552	0.0076	[0.0055; 0.0102]	0.4%	0.9%
Gao QP-2013	20	26780 4	0.0007	[0.0005; 0.0012]	1.9%	0.9%
Ge SX-2006	262	17731 +	0.0148	[0.0131; 0.0167]	1.3%	0.9%
Gong Q-2012	45	10220 +	0.0044	[0.0032; 0.0059]	0.7%	0.9%
Gu YF-2018	227	6772	0.0335	[0.0294; 0.0381]	0.5%	0.9%
Guo MY-2007	19	26181	0.0007	[0.0004; 0.0011]	1.9%	0.9%
Guo QL-2011	2	240		[0.0010; 0.0298]	0.0%	0.7%
Wang XJ-2018	5	31696 🖣	0.0002	[0.0001; 0.0004]	2.3%	0.9%
Han XX-2010	6	11362	0.0005	[0.0002; 0.0011]	0.8%	0.9%
Hu AQ-2010	8	2019	0.0040	[0.0017; 0.0078]	0.1%	0.9%
Zhou X-2015	13	912	- 0.0143	[0.0076; 0.0243]	0.1%	0.8%
Huang GY-2009	28	1516 -	· 0.0185	[0.0123; 0.0266]	0.1%	0.9%
Yao MF-2007	35	1316	0.0266	[0.0186; 0.0368]	0.1%	0.9%
Huang XY-2012	37	2250	0.0164	[0.0116; 0.0226]	0.2%	0.9%

Wang FD-2004	26 850	· · · · · · · · · · · · · · · · · · ·	0.0306 [0.0201; 0.0445]	0.1%	0.8%
Jiang T-2018	26 9797		0.0027 [0.0017; 0.0039]	0.7%	0.9%
Jin LP-2012 Kong B 2012	6 11461 4		0.0005 [0.0002; 0.0011]	0.8%	0.9%
Bo QN-2019	50 1700		0.0294 [0.0219: 0.0386]	0.1%	0.9%
Li SB-2010	4 76654		0.0001 [0.0000; 0.0001]	5.5%	0.9%
Li WJ-2007	5 1553	4	0.0032 [0.0010; 0.0075]	0.1%	0.9%
Li W-2018	167 10008	a de la companya de l	0.0167 [0.0143; 0.0194]	0.7%	0.9%
LI XJ-2019	26 25000		0.0034 [0.0026; 0.0045]	1.2%	0.9%
Li 7R-2005	16 82670		0.0002 [0.0001: 0.0020]	6.0%	0.9%
Li TQ-2016	37 8257		0.0045 [0.0032; 0.0062]	0.6%	0.9%
Lin Q-2012	4 5681 1		0.0007 [0.0002; 0.0018]	0.4%	0.9%
Liu DX-2019	33 40182		0.0008 [0.0006; 0.0012]	2.9%	0.9%
Liu IV-2016	3 2127 +		0.0006 [0.0002, 0.0014]	0.7%	0.9%
Liu K-2009	4 1365	4	0.0029 [0.0008: 0.0075]	0.2%	0.9%
Liu XG-2007	51 1585		0.0322 [0.0240; 0.0421]	0.1%	0.9%
Liu Y-2013	115 25391	3	0.0045 [0.0037; 0.0054]	1.8%	0.9%
Luo Y-2011	11 5620		0.0002 [0.0001; 0.0005]	2.2%	0.9%
Ma XL-2015	12 3707	-	0.0020 [0.0010, 0.0035]	0.4%	0.9%
Zhang LF-2003	19 2223		0.0085 [0.0052; 0.0133]	0.2%	0.9%
Nong HY-2013	7 11938		0.0006 [0.0002; 0.0012]	0.9%	0.9%
Qiu SH-2013	27 27977		0.0010 [0.0006; 0.0014]	2.0%	0.9%
Sang LY-2007 Shao HW-2009	50 3/01	<u>_</u>	0.0135 [0.0100; 0.0178]	0.3%	0.9%
Sun C-2016	214 128833		0.0017 [0.0014: 0.0019]	9.3%	0.9%
Sun JW-2009	72 5494	+	0.0131 [0.0103; 0.0165]	0.4%	0.9%
Sun LP-2004	20 1043	10000 C	0.0192 [0.0118; 0.0295]	0.1%	0.8%
Tan PY-1999	124 1531		0.0810 [0.0678; 0.0958]	0.1%	0.9%
Mana DM-2016	2 1000 +		0.0451 [0.0243, 0.0760]	0.0%	0.7%
Wang JF-2021	29 11917		0.0024 [0.0016: 0.0035]	0.9%	0.9%
Wang LP-2013	10 25180 =		0.0004 [0.0002; 0.0007]	1.8%	0.9%
Wang XH-2018	41 36152		0.0011 [0.0008; 0.0015]	2.6%	0.9%
Wu ZT-2013	14 4441 i	-	0.0032 [0.0017; 0.0053]	0.3%	0.9%
Wu IV-2017	7 1459	+	0.0002 [0.0001, 0.0004]	0.1%	0.9%
Chun X-2012	11 749		0.0147 [0.0074; 0.0261]	0.1%	0.8%
Xiao ZY-2016	32 8952	•	0.0036 [0.0024; 0.0050]	0.6%	0.9%
Xie SF-2014	144 2614	- 29	0.0551 [0.0467; 0.0645]	0.2%	0.9%
Xing Y-2016 Yu Mil 2019	104 95217 1		0.0017 [0.0015; 0.0020]	0.9%	0.9%
Yan GX-2004	46 3047		0.0151 [0.0111: 0.0201]	0.2%	0.9%
Yang LL-2015	73 3654		0.0200 [0.0157; 0.0251]	0.3%	0.9%
Yang XY-2016	26 12271		0.0021 [0.0014; 0.0031]	0.9%	0.9%
Yu Q-2022	10 1076	1	0.0093 [0.0045; 0.0170]	0.1%	0.8%
7hang LM-2017	6 739		0.0062 [0.0030, 0.0114]	0.1%	0.9%
Zhang P-2015	3 1195 +		0.0025 10.0005: 0.00731	0.1%	0.9%
Zhang WS-2012	3 6456		0.0005 [0.0001; 0.0014]	0.5%	0.9%
Zhang XF-2007	103 4139		0.0249 [0.0204; 0.0301]	0.3%	0.9%
Zhao HL-2012 Zhao IN-2017	8 327			0.0%	0.7%
Zhen RD-2013	0 850 4		0.0000 [0.0000; 0.0043]	0.1%	0.8%
Zhen Y-2015	21 26583		0.0008 [0.0005; 0.0012]	1.9%	0.9%
Zhen B-2014	124 118253		0.0010 [0.0009; 0.0013]	8.5%	0.9%
Cai Y-2017	21 1842		0.0114 [0.0071; 0.0174]	0.1%	0.9%
Cong W-2014	61 1955		0.0312 [0.0239 0.0399]	0.3%	0.9%
Dong C-2012	4 14208		0.0003 [0.0001; 0.0007]	1.0%	0.9%
Feng Y-2018	80 1912		0.0418 [0.0333; 0.0518]	0.1%	0.9%
Fu P-2021	21 1864		0.0113 [0.0070; 0.0172]	0.1%	0.9%
Gu G-2015	7 1491	1	0.0202 [0.0097, 0.0368]	0.0%	0.9%
Guo QS-2010	420 44816	0	0.0094 [0.0085; 0.0103]	3.2%	0.9%
Huang F-2013	4 293	 	0.0137 [0.0037; 0.0346]	0.0%	0.7%
Huang F-2015	15 388		0.0387 [0.0218; 0.0630]	0.0%	0.8%
Li M-2020	42 946		0.0018 [0.0009, 0.0031]	0.5%	0.8%
Li W-2011	11 173	· · · · · · · · · · · · · · · · · · ·	0.0636 [0.0322; 0.1109]	0.0%	0.6%
Ma XX-2021	21 3568	+	0.0059 [0.0036; 0.0090]	0.3%	0.9%
Ma Z-2010	9 2090	**	0.0043 [0.0020; 0.0082]	0.2%	0.9%
Qian Z-2022 Rop E 2012	100 10741	.	0.0025 [0.0019; 0.0033]	1.4%	0.9%
Rui Z-2018	8 433	<u> </u>	0.0185 [0.0080: 0.0361]	0.0%	0.8%
Shu Y-2019	30 1505		0.0199 [0.0135; 0.0283]	0.1%	0.9%
Tsoi WC-2020	16 2000	1	0.0080 [0.0046; 0.0130]	0.1%	0.9%
Wang M-2017	60 4046	1+	0.0148 [0.0113; 0.0190]	0.3%	0.9%
Wang 1-2018 Wen GP-2018	38 5345	÷	0.0002 [0.0035; 0.0100]	0.2%	0.9%
Xue Y-2013	5 269		0.0186 [0.0061: 0.0428]	0.0%	0.7%
Yu Y-2009	71 4979	+	0.0143 [0.0112; 0.0180]	0.4%	0.9%
Zhang L-2018	17 2048	÷.	0.0083 [0.0048; 0.0133]	0.1%	0.9%
Zhang W-2009	29 1476		0.0196 [0.0132; 0.0281]	0.1%	0.9%
Lid /0-2000	11 302 1		0.0213 [0.0110, 0.0389]	0.070	0.070
Common effect model	1388072		0.0017 [0.0016; 0.0017]	100.0%	141 141
Random effects model		*	0.0073 [0.0055; 0.0093]		100.0%
Heterogeneity: /" = 98%, τ" :	= 0.0033, p = 0 0	0.02 0.04 0.06 0.08 0.1			

Figure S2. Forest plot of pooled anti-HEV IgM seroprevalence in China

					Weight	Weight
Study	Events	Total	Proportion	95%-Cl	(common)	(random)
Bi L-2008	5	1204	0.0042	[0.0013; 0.0097]	2.3%	4.4%
You QZ-2019	2	5552	0.0004	[0.0000; 0.0013]	10.7%	4.8%
Huang XY-2012	0	2250	0.0000	[0.0000; 0.0016]	4.4%	4.6%
Li W-2018	2	10008	0.0002	[0.0000; 0.0007]	19.4%	4.9%
Liu K-2009	2	1365 🕇	0.0015	[0.0002; 0.0053]	2.6%	4.5%
Liu XG-2007	5	1585	0.0032	[0.0010; 0.0073]	3.1%	4.5%
Shao HW-2009	1	830 ÷	0.0012	[0.0000; 0.0067]	1.6%	4.2%
Wu JY-2017	2	2980	0.0007	[0.0001; 0.0024]	5.8%	4.7%
Yu Q-2022	1	1076	0.0009	[0.0000; 0.0052]	2.1%	4.4%
Zhang LM-2017	1	739 †	0.0014	[0.0000; 0.0075]	1.4%	4.2%
Zhong CF-2011	0	27	0.0000	[0.0000; 0.1277]	0.1%	0.8%
Fu P-2021	0	1864 🛉	0.0000	[0.0000; 0.0020]	3.6%	4.6%
Ma Z-2010	91	2090	0.0435	[0.0352; 0.0532]	4.0%	4.6%
Ren F-2013	1	1910 🛉	0.0005	[0.0000; 0.0029]	3.7%	4.6%
Ren F-2013	0	2378	0.0000	[0.0000; 0.0016]	4.6%	4.7%
Ren F-2013	4	1980 🗧	0.0020	[0.0006; 0.0052]	3.8%	4.6%
Ren F-2013	1	2520	0.0004	[0.0000; 0.0022]	4.9%	4.7%
Ren F-2013	0	1953	0.0000	[0.0000; 0.0019]	3.8%	4.6%
Wang M-2017	4	1305 #	0.0031	[0.0008; 0.0078]	2.5%	4.5%
Wang M-2017	1	1002 🗄	0.0010	[0.0000; 0.0055]	1.9%	4.3%
Wang M-2017	2	1383 +	0.0014	[0.0002; 0.0052]	2.7%	4.5%
Wang M-2017	6	356	0.0169	[0.0062; 0.0363]	0.7%	3.6%
Wen GP-2018	15	5345	0.0028	[0.0016; 0.0046]	10.3%	4.8%
Common effect model		51702	0.0005	[0.0003; 0.0008]	100.0%	
Random effects mode	L.	ò	0.0012	[0.0001; 0.0032]		100.0%
Heterogeneity: $I^2 = 93\%$, τ	² = 0.0018	p < 0.01				
		0	0200400600801012			

Figure S3. Forest plot of pooled HEV anti-HEV Ag seroprevalence in China



Figure S4. Forest plot of pooled HEV RNA detection rate in China

Study	Events	Total		Proportion	95%-CI	Weight (common)	Weight (random)
province = Anjiang 2Xang 2X-2003 AA-NA 0010 Wu JY-2016 Wu JY-2016 Wu JY-2017 Xia XW-2017 Xia XW-2017 Xia XW-2017 Li H-2021 U H-2021 Removal affect model Heterogeneity: J ² = 99%, t ²	210 13 1 440 317 310 914 1074 70 15 341 = 0.0344	$574 \\ 151 \\ 29 \\ 1720 \\ 611 \\ 1459 \\ 3513 \\ 2627 \\ 296 \\ 427 \\ 1910 \\ \textbf{13317} \\ p < 0.01$		0.3659 0.0861 0.2558 0.2155 0.2602 0.4088 0.2365 0.0351 0.1785 0.2703 0.2221	[0.3264, 0.4067] [0.0466, 0.1427] [0.0009, 0.1776] [0.2453, 0.2771] [0.4784, 0.5591] [0.4784, 0.5591] [0.2457, 0.2750] [0.3900, 0.4279] [0.1892, 0.2891] [0.1892, 0.2891] [0.1896, 0.0573] [0.1866, 0.3213]	0.1% 0.0% 0.3% 0.3% 0.7% 0.5% 0.1% 0.4% 2.6%	0.5% 0.4% 0.5% 0.5% 0.5% 0.5% 0.5% 0.5% 0.5% 0.5
province = Jiangsu Ai x.2009 Chen XM.2014 Chen XZ.2006 Gao DY.2004 Gao DY.2004 Gao DY.2004 Shao JS-2006 Wang ZZ-2007 Zhang XF.2007 Zhang SQ.2007 Zhang SQ.2007 Dong C.2012 Gu G.2015 Li H.2021 Rui Z-2018 Xue Y.2018 Xue Y.2018 Common effect model Random effects model Random effects model Reterogenety. <i>F</i> = 100%, 1	5588 281 107 134 635 2565 1105 2152 702 455 112 3 65 973 164 $= 0.084$	$\begin{array}{c} 12555\\ 868\\ 1084\\ 250\\ 144\\ 912\\ 1316\\ 14020\\ 1234\\ 4139\\ 1239\\ 1239\\ 1941\\ 1491\\ 51\\ 433\\ 2592\\ 529\\ 44798\\ 6, \rho=0 \end{array}$		0.4451 0.3237 0.2343 0.4280 0.9306 0.4825 0.1360 0.8855 0.5199 0.5666 0.2344 0.0751 0.0588 0.1501 0.3754 0.3100 0.3353 0.3656	[0.4364; 0.4538] [0.2927; 0.3560] [0.2094; 0.2607] [0.3658; 0.4913] [0.4760; 0.9662] [0.4760; 0.9662] [0.4766; 0.9662] [0.4766; 0.9626] [0.5464; 0.5453] [0.5464; 0.5453] [0.5464; 0.5453] [0.5464; 0.2539] [0.623; 0.0897] [0.423; 0.4624] [0.1778; 0.1624] [0.1728; 0.3641] [0.3567; 0.3944] [0.3306; 0.3397] [0.3306; 0.5028]	2.4% 0.2% 0.0% 0.0% 0.3% 0.2% 0.2% 0.2% 0.2% 0.2% 0.3% 0.4% 0.3% 0.3% 0.1% 0.5% 0.1% 0.5% 0.1% 0.5%	0.5% 0.5% 0.5% 0.5% 0.5% 0.5% 0.5% 0.5%
province = Hellongjian Bi L-2008 Gao DY-2004 Li H-2021 Common effect model Random effects model Heterogeneity: $l^2 = 96\%$, τ^2	156 75 2	1204 315 119 1638 ρ < 0.01		0.1296 0.2381 0.0168 0.1358 0.1121	[0.1111; 0.1499] [0.1921; 0.2891] [0.0020; 0.0594] [0.1195; 0.1530] [0.0169; 0.2721]	0.2% 0.1% 0.0% 0.3%	0.5% 0.5% 0.5%
province = Hebel Bo QN-2018 Gao DY-2004 Gu HY-2013 Bo QN-2013 Jeng 5.2013 Geng Y.2019 Li H.2021 Li H.2021 Li M.2021 Random effect model Random effects model Random effects model	127 245 505 259 55 149 2 157 = 0.0118,	1019 1053 6258 1700 205 1374 496 118 946 13169 <i>p</i> < 0.01		0.1246 0.2327 0.0807 0.1524 0.2683 0.1084 0.1593 0.0169 0.1660 0.1151 0.1375	[0.1050; 0.1465] [0.2074; 0.2594] [0.0741; 0.0877] [0.1356; 0.1703] [0.2090; 0.3345] [0.0925; 0.1261] [0.1282; 0.1945] [0.0021; 0.0599] [0.1428; 0.1912] [0.1097; 0.1207] [0.0913; 0.1914]	0.2% 0.2% 1.2% 0.3% 0.0% 0.3% 0.1% 0.2% 2.5%	0.5% 0.5% 0.5% 0.5% 0.5% 0.5% 0.5% 0.5%
province = Guangdong Cai YS-2013 You QZ-2019 Gao DY-2004 Li B-2003 Yuu LM-2001 Luo YX-2005 Yang F-2012 Yang B-2013 Liang H-2014 Ren F-2013 Common effect model Random effects model Reterogeneity. <i>J[*]</i> = 99%, <i>f</i> [*]	230 1113 7 14 54 215 893 40 129 746	510 5552 28 178 417 3864 3771 597 307 2520 17744 <i>p</i> < 0.01		0.4510 0.2005 0.2500 0.1295 0.0556 0.2368 0.0670 0.4202 0.2960 0.1810 0.2012	[0.4072; 0.4953] [0.1900; 0.2112] [0.1069; 0.4487] [0.0437; 0.1284] [0.0483; 0.1656] [0.0486; 0.0633] [0.2233; 0.2507] [0.3644; 0.4776] [0.3644; 0.4776] [0.2783; 0.3143] [0.1753; 0.1868] [0.1192; 0.2979]	0.1% 1.1% 0.0% 0.1% 0.7% 0.1% 0.1% 0.5% 3.4%	0.5% 0.4% 0.5% 0.5% 0.5% 0.5% 0.5% 0.5% 0.5%
Province = Zhejiang Cao H.J.2004 Shen JY.2007 Yao XF-2013 Wu Y-2016 Huang GY-2009 Wang FD-2004 Zheng Y.J.2005 Zheg Y.J.2005 Sung LY-2007 Sun Z-2014 Tian JS-2007 Wang L-2013 Wang L-2013 Zhu JF-2006 Zhu JF-2006 Zhu JF-2006 Zhu JF-2006 Zhu JF-2006 Zhu JF-2007 Bung C-2015 Guo GS-2010 Li H-2021 Ren F-2013 Common effect model Random effects model Random effects model Random effects model	146 749 806 482 1013 394 573 29 421 1107 471 35 5178 299 1269 138 5218 651 651	189 1570 2012 2206 3044 850 852 176 663 3701 1483 778 4396 4396 4396 4394 14291 57 5000 14291 57 994 43047 5000 14291 57 994		0.7725 0.4771 0.4066 0.2185 0.328 0.6356 0.6728 0.6350 0.2991 0.3176 0.0450 0.4067 0.7262 0.4067 0.7262 0.4067 0.3376 0.3378 0.3378 0.3386 0.3386 0.3386 0.3386	[0 7060; 0 8302] [0 4521; 0.5021] [0 3791; 0.4224] [0 2014; 0.2363] [0 4296; 0.4977] [0 5396; 0.7240] [0 5395; 0.7240] [0 5395, 0.7240] [0 5395, 0.7240] [0 5397]; 0 6717] [0 2844; 0.3141] [0 2844; 0.3141] [0 6305; 0.620] [0 6302; 0.7688] [0 63074; 0.6371] [0 6302; 0.7688] [0 6374; 0.6371] [0 6302; 0.3728] [0 6372; 0.3731] [0 0232; 0.3721] [0 0232; 0.3721] [0 0342; 0.3520] [0 3342; 0.3227] [0 3424; 0.4906]	0 0% 0 3% 0 4% 0 6% 0 2% 0 2% 0 2% 0 0% 0 3% 0 3% 0 3% 0 0% 0 1% 0 3% 0 0% 0 0% 0 0% 0 0% 0 0%	0.5% 0.5% 0.5% 0.5% 0.5% 0.5% 0.5% 0.5%
province = Hubei Ning LF-2008 Gao DY-2004 Kong DG-2017 Liu XG-2007 Liu XG-2007 Liu XG-2004 Wu XX-2014 Xie SF-2014 Yu G-2022 Guo QS-2010 Li H-2021 Shu Y-2019 Common effect model Random effects model Random effects model Random effects model Random effects model	1086 63 825 610 571 139 422 169 1019 183 3175 7 455	3561 198 1945 1385 1351 303 2812 836 2614 1076 10136 151 1505 28073 $p \le 0.01$	+++++++++++++++++++++++++++++++++++++++	0.3050 0.3182 0.3849 0.4226 0.4587 0.1501 0.2022 0.3898 0.1701 0.3132 0.0464 0.3023 0.3067 0.2900	[0.2899; 0.3204] [0.2540; 0.3880] [0.4021; 0.4465] [0.3661; 0.4495] [0.3661; 0.4495] [0.4051; 0.51650] [0.4754; 0.2310] [0.1754; 0.2310] [0.1754; 0.2310] [0.1481; 0.42310] [0.1481; 0.42310] [0.1481; 0.42310] [0.1481; 0.4321] [0.1481; 0.31231] [0.2201; 0.3653]	0.7% 0.0% 0.3% 0.3% 0.5% 0.5% 0.2% 0.5% 0.2% 0.0% 0.3% 5.4%	0.5% 0.5% 0.5% 0.5% 0.5% 0.5% 0.5% 0.5%
province = Jiangxi Cheng Y-2007 Gao DY-2004 Li H-2021 Common effect model Random effects model Heterogeneity: l^2 = 89%, τ^2	10 19 3 = 0.0290,	140 64 54 258 ρ < 0.01	+	0.0714 0.2969 0.0556 0.1105 0.1250	[0.0348; 0.1274] [0.1891; 0.4242] [0.0116; 0.1539] [0.0741; 0.1527] [0.0210; 0.2906]	0.0% 0.0% 0.0% 0.1%	0.5% 0.5% 0.5% 1.4%
province = Hainan Du L-2013 Fan LZ-2012 Huang SY-2020 Li H-2021 Common effect model Random effects model Heterogeneity. / ² = 97%, t ²	7 0 120 4	235 158 648 101 1142 ρ < 0.01	+	0.0298 0.0000 0.1852 0.0396 0.0930 0.0457	[0.0121; 0.0604] [0.0000; 0.0231] [0.1560; 0.2173] [0.0109; 0.0983] [0.0766; 0.1108] [0.0008; 0.1420]	0.0% 0.0% 0.1% 0.0% 0.2%	0.5% 0.5% 0.5% 2.0%
province = Beijing Gao DY-2004 Lin CY-2009 Zhao HL-2012 Chang Y-2009 Dong C-2012 Ren F-2013 Common effects model Rendom effects model Heterogeneity. <i>I²</i> = 99%, ⁺⁷	546 403 17 627 87 458 = 0.0118	2406 4959 327 2819 500 2378 13389 ρ < 0.01	· · ·	0.2269 0.0813 0.0520 0.2224 0.1740 0.1926 0.1529 0.1517	[0.2103; 0.2442] [0.0738; 0.0892] [0.306; 0.0819] [0.2072; 0.2382] [0.1418; 0.2101] [0.1769; 0.2090] [0.1469; 0.1591] [0.0941; 0.2200]	0.5% 1.0% 0.1% 0.5% 0.5% 2.6%	0.5% 0.5% 0.5% 0.5% 0.5% 0.5%

province = Sichuan Gao DY-2004 Li H-2021	228 348 26 257	+	0.6552 [0.6026; 0.7050] 0.1012 [0.0672; 0.1447]	0.1% 0.5% 0.0% 0.5%
Common effect model Random effects model Heterogeneity: $I^2 = 100\%$, τ^2	= 0.1892, <i>p</i> < 0.01		0.3958 [0.3571; 0.4351] 0.3510 [0.0000; 0.8951]	0.1% 1.0%
$\begin{array}{l} \mbox{province} = \mbox{Henan}\\ \mbox{Gao DY-2004}\\ \mbox{Xu PN-2014}\\ \mbox{Yang LL-2015}\\ \mbox{Yin YZ-2001}\\ \mbox{Dong C-2012}\\ \mbox{Li H-2021}\\ \mbox{Common effects model}\\ \mbox{Random effects model}\\ \mbox{Heterogeneity, $r^2 = 98\%, $r^2 = $} \end{array}$	152 523 91 415 966 3654 63 676 + 376 1866 2 176 + 7310 < ≈ 0.0278, p < 0.01	+ + + +	0.2906 [0.2520; 0.3316] 0.2193 [0.1804; 0.2622] 0.2644 [0.2501; 0.2790] 0.0932 [0.0724; 0.1177] 0.2015 [0.1835; 0.2204] 0.0114 [0.0014; 0.0404] 0.2200 [0.2106; 0.2296] 0.1637 [0.0771; 0.2746]	0.1% 0.5% 0.7% 0.5% 0.1% 0.5% 0.4% 0.5% 0.0% 0.5% 1.4% 3.0%
province = Shandong Gao DY-2004 Liu JY-2016 Pan TJ-2002 Wang DM-2016 Wang RL-2012 Xing XM-2011 Zhang LL-2012 Xing XM-2011 Cai Y-2017 Cong W-2014 Cui W-2016 Li H-2021 Zhang L-2018 Common effects model Random effects model	84 467 57 2127 • 0 1580 • 28 1000 • 33 575 + 509 2028 185 812 95 739 − 267 1334 404 1955 228 1028 1 104 − 1002 4102 17851 = 0.0313, p = 0	+ + - - -	0.1799 [0.1461; 0.2178] 0.0268 [0.0204; 0.0346] 0.0000 [0.0000; 0.0023] 0.0280 [0.0187; 0.0402] 0.0574 [0.0398; 0.0797] 0.2510 [0.2322; 0.2705] 0.2278 [0.1994; 0.2583] 0.1286 [0.1053; 0.1548] 0.2001 [0.1790; 0.2226] 0.2066 [0.1889; 0.2253] 0.2218 [0.1967; 0.2485] 0.0906 [0.0002; 0.0524] 0.2433 [0.2312; 0.2577] 0.1378 [0.1328; 0.1430] 0.1143 [0.0601; 0.1830]	$\begin{array}{ccccccc} 0.1\% & 0.5\% \\ 0.4\% & 0.5\% \\ 0.3\% & 0.5\% \\ 0.2\% & 0.5\% \\ 0.1\% & 0.5\% \\ 0.4\% & 0.5\% \\ 0.4\% & 0.5\% \\ 0.4\% & 0.5\% \\ 0.3\% & 0.5\% \\ 0.4\% & 0.5\% \\ 0.4\% & 0.5\% \\ 0.4\% & 0.5\% \\ 0.4\% & 0.5\% \\ 0.4\% & 0.5\% \\ 0.8\% & 0.5\% \\ 0.8\% & 0.5\% \\ 0.8\% & 0.5\% \\ 0.6\% & 0.5\% \\ 0.6\% & 0.5\% \\ 0.6\% & 0.5\% \\ 0.6\% & 0.5\% \\ 0.6\% & 0.5\% \\ 0.6\% & 0.5\% \\ 0.6\% & 0.5\% \\ 0.6\% & 0.5\% \\ 0.5$
province = Anhui Gao DY-2004 Gao XL-2002 Hu AQ-2010 Dong C-2012 Li H-2021 Common effects model Heterogeneity: $J^2 = 97\%, \tau^2 =$	53 210 1 182 + 377 2019 205 1529 2 62 + 4002 = 0.0308, p < 0.01	* * *	0.2524 [0.1951; 0.3168] 0.055 [0.0001; 0.0302] 0.1867 [0.1699; 0.2044] 0.1341 [0.1174; 0.1522] 0.0323 [0.0039; 0.1117] 0.1524 [0.1413; 0.1638] 0.1036 [0.0275; 0.2186]	0.0% 0.5% 0.0% 0.5% 0.4% 0.5% 0.3% 0.5% 0.0% 0.5% 0.8% 2.5%
province = Inner Mongor Gao DY-2004 Li H-2021 Ma XX-2021 Common effect model Random effects model Heterogeneity: J ² = 98%, τ ² =	ria 50 203 2 291 + 220 3568 + 4062 ♦ = 0.0455, p < 0.01		0.2463 [0.1887; 0.3115] 0.0069 [0.0008; 0.0246] 0.0617 [0.0540; 0.0701] 0.0615 [0.0543; 0.0692] 0.0791 [0.0008; 0.2554]	0.0% 0.5% 0.1% 0.5% 0.7% 0.5% 0.8% - 1.5%
province = Shanxi Gao DY-2004 Dong C-2012 Li H-2021 Common effect model Random effects model Heterogeneity: $l^2 = 92\%$, $\tau^2 =$	29 187 43 786 + 0 51 1024 &		0.1551 [0.1064; 0.2151] 0.0547 [0.0399; 0.0730] 0.0000 [0.0000; 0.0698] 0.0623 [0.0479; 0.0785] 0.0550 [0.0006; 0.1705]	0.0% 0.5% 0.2% 0.5% 0.0% 0.5% 1.5%
province = Liaoning Gao DY-2004 Huang XY-2012 Sun ZH-2017 Shenyang G-2011 Li H-2021 Common effects model Random effects model Heterogenetty. $l^2 = 99\%$, $r^2 =$	33 149 501 2250 2555 47852 ■ 37 456 + 4 152 + 50859 (€0.0209, p < 0.01		0.2215 [0.1576; 0.2967] 0.2227 [0.2056; 0.2404] 0.0534 [0.0514; 0.0554] 0.0811 [0.0578; 0.1101] 0.0263 [0.0072; 0.0660] 0.0578 [0.0657; 0.0599] 0.1075 [0.0408; 0.2001]	0.0% 0.5% 0.4% 0.5% 9.2% 0.5% 0.1% 0.5% 0.0% 0.5% 9.8% 2.5%
$\begin{array}{l} \mbox{province} = \mbox{Jilin} \\ \mbox{Gao DY-2004} \\ \mbox{Li MY-2008} \\ \mbox{Liu K-2009} \\ \mbox{Pu MH-2008} \\ \mbox{Shao HW-2009} \\ \mbox{Zhu G2-2015} \\ \mbox{Zhu G2-2015} \\ \mbox{Zhu G2-2017} \\ \mbox{Dong C-2012} \\ \mbox{Li H-2021} \\ \mbox{Common effect model} \\ \mbox{Random effects model} \\ \mbox{Heterogeneity: } \end{tabular}^2 = \end{tabular} \end{tabular}$	22 130 - 169 768 223 1365 408 1360 79 830 - 690 3305 1127 4944 99 508 127 1177 + 1 112 - 14499 ≤0.0148, p < 0.01	+ + + + + -	0.1692 [0.1092; 0.2449] 0.2201 [0.1912; 0.2510] 0.1634 [0.1441; 0.1841] 0.3000 [0.2757; 0.3251] 0.0952 [0.0761; 0.1172] 0.2088 [0.1950; 0.230] 0.2280 [0.2163; 0.2399] 0.1949 [0.1613; 0.2320] 0.1079 [0.0907; 0.1270] 0.0089 [0.0002; 0.0487] 0.1991 [0.1926; 0.2056] 0.1611 [0.1086; 0.2216]	0.0% 0.5% 0.1% 0.5% 0.3% 0.5% 0.2% 0.5% 0.6% 0.5% 1.0% 0.5% 0.1% 0.5% 0.2% 0.5% 0.2% 0.5% 0.2% 0.5% 0.2% 5.0%
province = Shannxi Gao DY-2004 Zhang D-2022 Zhang P-2015 Dong C-2012 Li H-2021 Common effects model Random effects model Heterogeneity: $\Gamma^2 = 99\%$, τ^2 =	26 118 1000 6493 47 1195 + 237 870 4 118 − 8794 ≪	+	0.2203 [0.1493; 0.3059] 0.1540 [0.1453; 0.1630] 0.0393 [0.0290; 0.0520] 0.2724 [0.2431; 0.3033] 0.0339 [0.0093; 0.0845] 0.1422 [0.1350; 0.1497] 0.1285 [0.0483; 0.2389]	0.0% 0.5% 1.3% 0.5% 0.2% 0.5% 0.0% 0.5% 1.7% 2.5%
province = Hunan Gao DY-2004 Li WJ-2007 Dong C-2012 Li H-2021 Common effects model Random effects model Heterogeneity: $I^2 = 97\%$, $\tau^2 =$	35 106 337 1553 488 2181 12 280 + 4120 = 0.0270, p < 0.01	+ +	0.3302 [0.2419; 0.4282] 0.2170 [0.1967; 0.2383] 0.2238 [0.2064; 0.2418] 0.0429 [0.0223; 0.0737] 0.2072 [0.1949; 0.2198] 0.1877 [0.0780; 0.3305]	0.0% 0.5% 0.3% 0.5% 0.4% 0.5% 0.1% 0.5% 0.8% 2.0%

province = Gansu Gao DY-2004 Lu J-2009 Yu DS-2011 Li H-2021 Ma Z-2010 Common effects model Random effects model Heterogeneity: $J^2 = 97\%$, τ^2 :	20 86 259 1977 338 2429 47 887 + 407 2090 7469 = 0.0095, ρ < 0.01		0.2326 [0.1482; 0.3361] 0.1310 [0.1164; 0.1467] 0.1392 [0.1256; 0.1536] 0.0530 [0.0392; 0.0698] 0.1947 [0.1780; 0.2124] 0.1393 [0.1315; 0.1473] 0.1402 [0.0845; 0.2070]	0.0% 0.5% 0.4% 0.5% 0.5% 0.5% 0.2% 0.5% 0.4% 0.5% 1.4% 2.5%
province = Fujian Gao DY-2004 Li YB-2004 Wang HR-2007 Guo QS-2010 Li H-2021 Wen GP-2018 Common effect model Random effects model Heterogeneity: I^2 = 99%, τ^2 :	21 51 572 3336 1089 3931 6215 20389 0 67 ⊢ 1227 5345 33119 = 0.0427, <i>p</i> < 0.01	•	0.4118 [0.2758; 0.5583] 0.1715 [0.1588; 0.1847] 0.2770 [0.2631; 0.2913] 0.3048 [0.2985; 0.3112] 0.0000 [0.0000; 0.0536] 0.2296 [0.2183; 0.2411] 0.2725 [0.2677; 0.2774] 0.2054 [0.0875; 0.3562]	0.0% 0.5% 0.6% 0.5% 0.8% 0.5% 0.0% 0.5% 0.0% 0.5% 1.0% 0.5% 6.4% 2.9%
province = Tianjing Gao DY-2004	6 23		0.2609 [0.1023; 0.4841]	0.0% 0.4%
province = Guangxi Gao DY-2004 Huang SM-2017 Meng ZH-2005 Nong CS-2007 Pan YL-2021 Li R-2006 Common effects model Heterogeneity: J^2 = 100%, τ^2	6 19 273 5345 4 413 980 172 377 0 103794 29 433 + 4839 10715 121663 1 = 0.0908, p = 0	++	0.3158 [0.1258; 0.5655] 0.0511 [0.0453; 0.0573] 0.4214 [0.3903; 0.4531] 0.4562 [0.4051; 0.5080] 0.0000 [0.0000; 0.0000] 0.0670 [0.0453; 0.0948] 0.4516 [0.4422; 0.4611] 0.0037 [0.0033; 0.0042] 0.1999 [0.0534; 0.4065]	0.0% 0.4% 1.0% 0.5% 0.2% 0.5% 0.1% 0.5% 20.0% 0.5% 2.1% 0.5% 23.5% 3.4%
province = Guizhou Gao DY-2004 Wu CH-2003 Dong C-2012 Li H-2021 Common effect model Random effects model Heterogeneity: $l^2 = 99\%$, $\tau^2 =$	6 14 4 148 + 423 1187 49 516 + 1865 = 0.0605, p < 0.01	+	0.4286 [0.1766; 0.7114] 0.0270 [0.0074; 0.0678] 0.3664 [0.3291; 0.3844] 0.0950 [0.0711; 0.1236] 0.2361 [0.2166; 0.2661] 0.1821 [0.0306; 0.4115]	0.0% 0.4% 0.0% 0.5% 0.2% 0.5% 0.1% 0.5% 0.4% 1.9%
$\begin{array}{l} \label{eq:province} = Yunnan\\ Gao DY-2004\\ \mbox{Li} JT-2014\\ \mbox{Li} Li -2012\\ \mbox{Max} M-2013\\ \mbox{Feng Y-2018}\\ \mbox{Fu P-2021}\\ \mbox{Huang F-2013}\\ \mbox{Huang F-2013}\\ \mbox{Huang F-2013}\\ \mbox{Li} W-2011\\ \mbox{Qian Diamond Field and Max}\\ \mbox{Ren F-2013}\\ \mbox{Common effects model}\\ \mbox{Heterogeneity.} f^2 = 100\%, \tau^2 \end{array}$	5 9 197 456 15 149 → 30 324 → 1337 1912 249 1864 → 30 293 → 36 388 → 37 399 → 69 173 2275 19762 □ 749 1953 27682 = 0.0566, p = 0		0.5556 [0.2120; 0.8630] 0.4320 [0.3660; 0.4789] 0.1007 [0.0574; 0.1606] 0.0926 [0.0633; 0.1295] 0.6993 [0.6782; 0.7198] 0.1336 [0.1185; 0.1499] 0.1024 [0.0702; 0.1429] 0.0928 [0.0658; 0.1261] 0.0927 [0.0661; 0.1256] 0.3988 [0.3253; 0.4759] 0.1151 [0.1107; 0.1197] 0.3355 [0.3129; 0.4555] 0.1639 [0.1595; 0.1684] 0.2345 [0.1279; 0.3610]	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
province = Shanghai Gao DY-2004 Xiao ZB-2022 Zhou HF-2006 Chen X-2019 Common effect model Random effects model Heterogeneity. J^2 = 94%, τ^2 =	0 2 1217 4661 47 175 799 4044 8882 = 0.0020, p < 0.01	+	0.0000 [0.0000; 0.8419] 0.2611 [0.2485; 0.2740] 0.2686 [0.2045; 0.3407] 0.1976 [0.1854; 0.2102] 0.2003 [0.1907; 0.2101] 0.2060 [0.1560; 0.2598]	0.0% 0.2% 0.9% 0.5% 0.0% 0.5% 0.8% 0.5% 1.7% 1.7%
province = Chongqing Li W-2018 Dong C-2012 Li H-2021 Common effects model Random effects model Heterogeneity: <i>I</i> ² = 100%, <i>x</i> ²	4923 10008 203 797 13 223 → 11028 = 0.0694, p < 0.01	**************************************	0.4919 [0.4821; 0.5018] 0.2547 [0.2248; 0.2865] 0.0583 [0.0314; 0.0976] 0.4632 [0.4539; 0.4725] 0.2461 [0.0469; 0.5335]	1.9% 0.5% 0.2% 0.5% 0.0% 0.5% 2.1% 1.5%
province = Hongkong Chan DP-2017 Chiu DM-2013 Liu KSH-2019 Tsoi WC-2020 Wong KH-2004 Common effect model Random effects model Heterogeneity: /² = 98%, τ² :	492 1539 129 450 2012 6844 315 2000 176 934 11767 = 0.0071, <i>p</i> < 0.01	+ + + •	0.3197 [0.2964; 0.3436] 0.2867 [0.2453; 0.3309] 0.2940 [0.2832; 0.3049] 0.1575 [0.1418; 0.1742] 0.1884 [0.1638; 0.2150] 0.2829 [0.2650; 0.2709] 0.2460 [0.1845; 0.3133]	0.3% 0.5% 0.1% 0.5% 1.3% 0.5% 0.4% 0.5% 0.2% 0.5% 2.3% 2.5%
province = Ningxia Li H-2021	5 341 +		0.0147 [0.0048; 0.0339]	0.1% 0.5%
province = Qinghai Li H-2021	11 409 +		0.0269 [0.0135; 0.0476]	0.1% 0.5%
province = Tibet Li H-2021 Zhang L-2017 Common effect model Random effects model Heterogeneity: $J^2 = 99\%$, τ^2 :	6 231 + 236 600 831 = 0.1293, p < 0.01	+	0.0260 [0.0096; 0.0557] 0.3933 [0.3540; 0.4337] 0.2603 [0.2309; 0.2907] 0.1681 [0.0000; 0.6368]	0.0% 0.5% 0.1% 0.5% 0.2% - 1.0%
Common effect model Random effects model	518531	¢ 1 1 1 1	0.1397 [0.1388; 0.1407] 0.2022 [0.1774; 0.2281]	100.0%
Heterogeneity: $I^2 = 100\%$, τ^2 Test for subgroup difference Test for subgroup difference	= 0.0504, $p = 0.0$ s (common effect): χ^2_{31} s (random effects): χ^2_{31}	0.2 0.4 0.6 0.8 = 85365.76, df = 31 (<i>p</i> = 0) = 276.12, df = 31 (<i>p</i> < 0.01)		

Figure S5. Forest plot of pooled anti-HEV IgG seroprevalence of all populations among different provinces

Study	Events	Total		Proportion	95%-CI	(common)	(ran
province = Guangdon	26	5012		0.0052	10 0034 0 00761	0.4%	
Zhang MM-2013	3	835	1 · · · · · · · · · · · · · · · · · · ·	0.0032	[0.0007: 0.0105]	0.1%	
Fang Y-2003	12	503		0.0239	[0.0124; 0.0413]	0.0%	
You QZ-2019	42	5552	+	0.0076	[0.0055; 0.0102]	0.4%	
Tan PY-1999	124	1531		0.0810	[0.0678; 0.0958]	0.1%	
Ren F-2013	16	2520		0.0063	[0.0036; 0.0103]	0.2%	
Common effect model		10903		0.0100	[0.0085; 0.0117]	1.2%	
Heterogeneity: $I^2 = 98\%$,	$\tau^2 = 0.0074,$	p < 0.01		0.0152	[0.0027, 0.0371]		2
province = Heilongjiar Bi L-2008	ng 6	1204		0.0050	[0.0018: 0.0108]	0.1%	
province = Zheijang							
Cao HJ-2004	5	189		0.0265	[0.0086; 0.0607]	0.0%	
Ge SX-2000	113	26191		0.0217	[0.0179; 0.0261]	0.4%	
Huang GV 2000	28	1516		0.0185	[0.0004, 0.0011]	0.1%	
Wang FD-2004	26	850		0.0306	[0.0201: 0.0445]	0.1%	
Sang LY-2007	50	3701	-	0.0135	[0.0100; 0.0178]	0.3%	
Yan GX-2004	46	3047		0.0151	[0.0111; 0.0201]	0.2%	
Guo QS-2010	142	14291		0.0099	[0.0084; 0.0117]	1.1%	
Common effect model	21	56957		0.0136	[0.0090, 0.0198]	4 29/	
Random effects mode		30337	0	0.0142	[0.0080: 0.0220]	4.2 /0	
Heterogeneity: $I^2 = 98\%$,	$\tau^2 = 0.0018$,	p < 0.01		0.0112	[0.0000, 0.0110]		
province = Yunnan	-	0007		0.000-	10 0000- 0 000	0.00	
Onen JP-2014	15	10902		0.0002	[0.0000; 0.0008]	0.6%	
Li YH-2021	36	25098	5	0.0014	[0.0010: 0.0023]	1 9%	
Ma SB-2014	11	5639	+	0.0020	[0.0010; 0.0035]	0.4%	
Wang JF-2021	29	11917		0.0024	[0.0016; 0.0035]	0.9%	
Xu WL-2018	43	15897		0.0027	[0.0020; 0.0036]	1.2%	
Zheng Y-2015	21	26583		0.0008	[0.0005; 0.0012]	2.0%	
Fu P-2021	21	1864		0.0418	[0.0030, 0.0018]	0.1%	
Huang F-2013	4	293		0.0137	[0.0037; 0.0346]	0.0%	
Huang F-2015	15	388		0.0387	[0.0218; 0.0630]	0.0%	
Li W-2011	11	173	· · · · · · · · · · · · · · · · · · ·	0.0636	[0.0322; 0.1109]	0.0%	
Qian Z-2022	50	19762		0.0025	[0.0019; 0.0033]	1.5%	
Common effect model	22	1953		0.0113	[0.0071; 0.0170]	0.1%	
Random effects mode	el	.00313	\$	0.0077	[0.0023: 0.0159]	5.0 /0	1:
Heterogeneity: $I^2 = 97\%$,	$\tau^2 = 0.0050,$	p < 0.01					
province = Fujian	~	14075		0.0001	10 0000 0 00000	4 40'	
Chen JZ-2014	11	142/0		0.0004	[0.0002; 0.0009]	1.1%	
Lin Q-2012	4	5681		0.0007	[0.0002; 0.0018]	0.4%	
Qiu SH-2013	27	27977		0.0010	[0.0006; 0.0014]	2.1%	
Zhang WS-2012	3	6456		0.0005	[0.0001; 0.0014]	0.5%	
Guo QS-2010	186	20389		0.0091	[0.0079; 0.0105]	1.5%	
Common effect model	30	101735	T	0.0071	[0.0050, 0.0097]	7.6%	
Random effects mode Heterogeneity $I^2 = 98\%$	$\tau^2 = 0.0010$	n < 0.01		0.0019	[0.0004; 0.0045]		
province = Hubei	0.0010,	0.01					
per e ritte e ritte er			<u>+</u>				
Chen K-2106	79	10156	1 S	0.0078	[0.0062; 0.0097]	0.8%	
Chen K-2106 Cheng WG-2006	79 66	10156 8213	*	0.0078	[0.0062; 0.0097] [0.0062; 0.0102]	0.8%	
Chen K-2106 Cheng WG-2006 Gao YP-2013	79 66 20	10156 8213 26780	+	0.0078 0.0080 0.0007	[0.0062; 0.0097] [0.0062; 0.0102] [0.0005; 0.0012]	0.8% 0.6% 2.0%	
Chen K-2106 Cheng WG-2006 Gao YP-2013 Ge SX-2006 Liu XG-2007	79 66 20 92 51	10156 8213 26780 10139 1585	н Ма	0.0078 0.0080 0.0007 0.0091 0.0322	[0.0062; 0.0097] [0.0062; 0.0102] [0.0005; 0.0012] [0.0073; 0.0111] [0.0240; 0.0421]	0.8% 0.6% 2.0% 0.8% 0.1%	
Chen K-2106 Cheng WG-2006 Gao YP-2013 Ge SX-2006 Liu XG-2007 Tian GJ-2007	79 66 20 92 51 13	10156 8213 26780 10139 1585 288	* 	0.0078 0.0080 0.0007 0.0091 0.0322 0.0451	[0.0062; 0.0097] [0.0062; 0.0102] [0.0005; 0.0012] [0.0073; 0.0111] [0.0240; 0.0421] [0.0243; 0.0760]	0.8% 0.6% 2.0% 0.8% 0.1% 0.0%	
Chen K-2106 Cheng WG-2006 Gao YP-2013 Ge SX-2006 Liu XG-2007 Tian GJ-2007 Xie SF-2014	79 66 20 92 51 13 144	10156 8213 26780 10139 1585 288 2614	*	0.0078 0.0080 0.0007 0.0091 0.0322 0.0451 0.0551	[0.0062; 0.0097] [0.0062; 0.0102] [0.0005; 0.0012] [0.0073; 0.0111] [0.0240; 0.0421] [0.0243; 0.0760] [0.0467; 0.0645]	0.8% 0.6% 2.0% 0.8% 0.1% 0.0% 0.2%	
Chen K-2106 Cheng WG-2006 Gao YP-2013 Ge SX-2006 Liu XG-2007 Tian GJ-2007 Xie SF-2014 Yu Q-2022	79 66 20 92 51 13 144 10	10156 8213 26780 10139 1585 288 2614 1076		0.0078 0.0080 0.0091 0.0322 0.0451 0.0551 0.0093	[0.0062; 0.0097] [0.0062; 0.0102] [0.0005; 0.0012] [0.0073; 0.0111] [0.0240; 0.0421] [0.0243; 0.0760] [0.0467; 0.0645] [0.0045; 0.0170]	0.8% 0.6% 2.0% 0.8% 0.1% 0.0% 0.2% 0.1%	
Chen K-2106 Cheng WG-2006 Gao YP-2013 Ge SX-2006 Liu XG-2007 Tian GJ-2007 Xie SF-2014 Yu Q-2022 Guo QS-2010 Shu X-2010	79 66 20 92 51 13 144 10 92	10156 8213 26780 10139 1585 288 2614 1076 10136		0.0078 0.0080 0.0007 0.0091 0.0322 0.0451 0.0551 0.0093 0.0091	[0.0062; 0.0097] [0.0062; 0.0102] [0.0005; 0.0012] [0.0073; 0.0111] [0.0240; 0.0421] [0.0243; 0.0760] [0.0467; 0.0645] [0.0045; 0.0170] [0.0073; 0.0111] [0.0073; 0.0111]	0.8% 0.6% 2.0% 0.8% 0.1% 0.2% 0.1% 0.8%	
Chen K-2106 Cheng WG-2006 Gao YP-2013 Ge SX-2006 Liu XG-2007 Tian GJ-2007 Xie SF-2014 Yu Q-2022 Guo QS-2010 Shu Y-2019 Common effect model	79 66 20 92 51 13 144 10 92 30	10156 8213 26780 10139 1585 288 2614 1076 10136 1505 72492		0.0078 0.0080 0.0007 0.0091 0.0322 0.0451 0.0551 0.0093 0.0093 0.0099 0.0099	[0.0062; 0.0097] [0.0062; 0.0102] [0.0005; 0.0012] [0.0073; 0.0111] [0.0240; 0.0421] [0.0243; 0.0760] [0.0467; 0.0645] [0.0045; 0.0170] [0.0073; 0.0111] [0.0135; 0.0283] [0.0051; 0.0283]	0.8% 0.6% 2.0% 0.8% 0.1% 0.2% 0.1% 0.8% 0.1% 5.4%	
Chen K-2106 Cheng WG-2006 Gao YP-2013 Ge SX-2006 Liu XG-2007 Tian GJ-2007 Tian GJ-2007 Tian GJ-2007 Via G-2022 Guo QS-2010 Shu Y-2019 Common effect model Random effect model	79 66 20 92 51 13 144 10 92 30	10156 8213 26780 10139 1585 288 2614 1076 10136 1505 72492		0.0078 0.0080 0.0007 0.0091 0.0322 0.0451 0.0551 0.0093 0.0091 0.0199 0.0057 0.0154	[0.0062; 0.0097] [0.0062; 0.0102] [0.0073; 0.0112] [0.0240; 0.0421] [0.0243; 0.0421] [0.0243; 0.0421] [0.0467; 0.0645] [0.0045; 0.01170] [0.0073; 0.0111] [0.0135; 0.0283] [0.0071; 0.0223]	0.8% 0.6% 2.0% 0.1% 0.2% 0.1% 0.8% 0.1% 0.8% 0.1% 5.4%	
Chen K-2106 Chang WG-2006 Gao YP-2013 Ge SX-2006 Liu XG-2007 Tian GJ-2007 Xie SF-2014 Yu G-2022 Guo QS-2010 Shu Y-2019 Common effect model Random effect model Heterogeneity. J ² = 99%, *	79 66 20 92 51 13 144 10 92 30 1 1 2 2 0.0041,	10156 8213 26780 10139 1585 288 2614 1076 10136 1505 72492 p < 0.01		0.0078 0.0080 0.0007 0.0091 0.0322 0.0451 0.0551 0.0093 0.0091 0.0199 0.0057 0.0154	[0.0062; 0.0097] [0.0062; 0.0102] [0.0065; 0.0112] [0.0273; 0.0111] [0.0243; 0.0421] [0.0243; 0.0421] [0.0445; 0.0170] [0.0045; 0.01170] [0.0073; 0.0111] [0.0135; 0.0283] [0.0051; 0.0283]	0.8% 0.6% 2.0% 0.8% 0.1% 0.2% 0.1% 0.8% 0.1% 5.4%	
Chen K-2106 Cheng WG-2006 Gao YP-2013 Ge SX-2006 Liu XG-2007 Tian GJ-2007 Tian GJ-2007 Xie SF-2014 Yu G-2022 Guo QS-2010 Shu Y-2019 Common effect model Random effects model Heterogeneity: J ² = 99%, · province = Jiangsu Chen YZ-2006	$\begin{array}{c} 79\\ 66\\ 20\\ 92\\ 51\\ 13\\ 144\\ 10\\ 92\\ 30\\ 1\\ 1\\ \pi^2=0.0041, \\ 17\end{array}$	10156 8213 26780 10139 1585 288 2614 1076 10136 1505 72492 0 < 0.01		0.0078 0.0080 0.0007 0.0091 0.0322 0.0451 0.0551 0.0093 0.0091 0.0199 0.0057 0.0154	[0.0662; 0.0097] [0.0662; 0.0102] [0.0063; 0.0102] [0.0073; 0.0111] [0.0240; 0.0421] [0.0240; 0.0425] [0.0445; 0.0170] [0.0475; 0.0171] [0.0073; 0.0283] [0.0051; 0.00622] [0.0070; 0.0270]	0.8% 0.6% 2.0% 0.1% 0.0% 0.1% 0.1% 0.1% 5.4%	
Chen K-2106 Cheng WG-2006 Gao YP-2013 Ge SX-2007 Tian GJ-2007 Xie SF-2014 Yu Q-2022 Gou QS-2010 Shu Y-2019 Common effect model Random effects model Heterogeneity: / ² = 99%, ' province = Jiangsu Chen YZ-2006	$\begin{array}{c} 79\\ 66\\ 20\\ 92\\ 51\\ 13\\ 144\\ 10\\ 92\\ 30\\ I\\ t^2=0.0041, \\ 17\\ 57\end{array}$	10156 8213 26780 10139 1585 288 2614 1076 10136 1505 72492 p < 0.01 1084 2390		0.0078 0.0080 0.0007 0.0091 0.0322 0.0451 0.0551 0.0551 0.0093 0.0091 0.0154 0.0154	[0.0062; 0.0097] [0.0062; 0.0102] [0.0065; 0.0102] [0.0073; 0.0111] [0.0240; 0.0421] [0.0243; 0.0760] [0.0445; 0.0760] [0.045; 0.0170] [0.0073; 0.0283] [0.0051; 0.00283] [0.0057; 0.02260] [0.0092; 0.0250] [0.0181; 0.0308]	0.8% 0.6% 2.0% 0.1% 0.0% 0.1% 0.1% 0.1% 5.4%	
Chen K-2106 Cheng WG-2006 Gao YP-2013 Ge SX-2006 Liu XG-2007 Tian GJ-2007 Xie SF-2014 Yu Q-2022 Guo QS-2010 Shu Y-2019 Common effect model Random effects model Heterogeneity. <i>I</i> ² = 99%, y province = Jiangsu Chen YZ-2006 Ge SX-2006 Gu YF-2018_	$\begin{array}{c} 79\\ 66\\ 20\\ 92\\ 51\\ 13\\ 144\\ 10\\ 92\\ 30\\ 1\\ \tau^2 = 0.0041, \\ \tau^2 = 7.00041, \\ 7.00000000000000000000000000000000000$	10156 8213 26780 10139 1585 288 2614 1076 10136 1505 72492 0 < 0.01 1084 2390 6772		0.0078 0.0080 0.0007 0.0091 0.0322 0.0451 0.0551 0.0551 0.0093 0.0093 0.0097 0.0154 0.0157 0.0238 0.0335	[0.0062; 0.0097] [0.0062; 0.0102] [0.0065; 0.0112] [0.0073; 0.0111] [0.0240; 0.0421] [0.0243; 0.0760] [0.0467; 0.0645] [0.045; 0.0170] [0.0073; 0.01170] [0.0075; 0.0283] [0.0051; 0.0062] [0.0070; 0.0270]	0.8% 0.6% 0.8% 0.1% 0.2% 0.1% 0.1% 5.4% 0.1% 0.1% 0.2% 0.5%	
Chen K-2106 Cheng WG-2006 Gao YP-2013 Ge SX-2006 Liu XG-2007 Tian GJ-2007 Xie SF-2014 Yu G-2022 Guo QS-2010 Shu Y-2019 Common effect model Random effect model Heterogeneity. J ² = 99%, ' province = Jiangsu Chen YZ-2006 Ge SX-2006 Ge VF-2018 Zhou X-2018	$\begin{array}{c} 79\\ 66\\ 20\\ 92\\ 51\\ 13\\ 144\\ 10\\ 92\\ 30\\ \tau^2 = 0.0041, \\ \tau^2 = 0.0041, \\ 17\\ 57\\ 227\\ 13\\ 3 \end{array}$	10156 8213 26780 10139 1585 288 2614 1076 10136 1505 72492 \$\$ < 0.01\$ 1084 2390 6772 912		0.0078 0.0080 0.0080 0.0097 0.0091 0.0322 0.0451 0.0093 0.0093 0.0091 0.0199 0.0057 0.0154 0.0157 0.238 0.0335 0.0335 0.0143	[0.0062; 0.0097] [0.0062; 0.0102] [0.0073; 0.0112] [0.0073; 0.0111] [0.0240; 0.0421] [0.0240; 0.0421] [0.0240; 0.0451] [0.0457; 0.0645] [0.0073; 0.0283] [0.0073; 0.0283] [0.0051; 0.0062] [0.0052; 0.0250] [0.0181; 0.0384] [0.0294; 0.03841] [0.0294; 0.03841] [0.0294; 0.03841] [0.0294; 0.03841] [0.0294; 0.03841] [0.0294; 0.03841] [0.0294; 0.03841] [0.0294; 0.03841]	0.8% 0.6% 0.8% 0.1% 0.2% 0.1% 0.1% 0.1% 0.1% 0.1% 0.2% 0.1% 0.5% 0.5%	
Chen K-2106 Cheng WG-2006 Gao YP-2013 Ge SX-2007 Tian GJ-2007 Xie SF-2014 Yu Q-2022 Guo QS-2010 Shu Y-2019 Common effect model Random effects model Heterogeneity: / ² = 99%, ' province = Jiangsu Chen YZ-2006 Gu XF-2018 Zhou X-2015 Yao MF-2007 Zhang LF 2002	$\begin{array}{c} 79\\ 66\\ 20\\ 92\\ 51\\ 13\\ 144\\ 92\\ 30\\ 1\\ 1\\ 1\\ 1\\ t^2=0.0041, \\ 7\\ 57\\ 227\\ 13\\ 35\\ 55\\ 55\\ 55\\ 55\\ 55\\ 55\\ 55\\ 55\\ 5$	10156 8213 26780 10139 1585 288 2614 1076 10136 1505 72492 0 < 0.01 1084 2390 6772 912 1316 2222		0.0078 0.0080 0.0007 0.0091 0.0322 0.0451 0.0551 0.0093 0.0091 0.0199 0.0057 0.0154 0.0154 0.0155 0.0143 0.0238 0.0335 0.0143	[0.062; 0.0097] [0.062; 0.0102] [0.0065; 0.0102] [0.0073; 0.0111] [0.0240; 0.0421] [0.043; 0.0645] [0.0445; 0.0170] [0.0073; 0.0283] [0.0075; 0.0283] [0.0075; 0.0283] [0.0075; 0.0270] [0.0181; 0.0062] [0.0181; 0.0308] [0.0294; 0.0250] [0.0181; 0.0388] [0.0294; 0.0243] [0.0766; 0.0243]	0.8% 0.6% 2.0% 0.8% 0.1% 0.2% 0.1% 0.8% 0.1% 5.4% 0.5% 0.5% 0.5%	
Chen K-2106 Cheng WG-2006 Gao YP-2013 Ge SX-2006 Liu XG-2007 Tian GJ-2007 Xie SF-2014 Yu Q-2022 Guo QS-2010 Shu Y-2019 Common effect model Random effects model Heterogeneity: / ² = 99%, / province = Jiangsu Chen YZ-2006 Ge SX-2006 Gu YF-2018 Zhou X-2015 Yao MF-2007 Zhang LF-2007 Zhang LF-2007	$\begin{array}{c} 79\\ 66\\ 20\\ 92\\ 91\\ 13\\ 144\\ 10\\ 92\\ 30\\ 10\\ 10\\ 10\\ 10\\ 10\\ 10\\ 10\\ 10\\ 10\\ 1$	10156 8213 26780 10139 1585 288 2614 1076 10136 1505 72492 0 < 0.01 1084 2390 6772 912 1316 2223 4139		0.0078 0.0080 0.0007 0.0091 0.0322 0.0451 0.0551 0.0093 0.0093 0.0097 0.0154 0.0157 0.0238 0.0335 0.0143 0.0286 0.0085 0.0249	[0.0062; 0.0097] [0.0062; 0.0102] [0.0065; 0.0102] [0.0073; 0.0111] [0.0240; 0.0421] [0.0243; 0.0760] [0.0457; 0.0645] [0.0455; 0.0283] [0.0051; 0.0062] [0.0051; 0.0062] [0.0070; 0.0270] [0.0181; 0.0308] [0.0294; 0.0381] [0.0294; 0.0381] [0.0186; 0.0368] [0.0052; 0.0133]	0.8% 0.6% 2.0% 0.8% 0.1% 0.2% 0.4% 0.8% 0.1% 0.1% 0.5% 0.1% 0.5% 0.1% 0.1% 0.2%	
Chen K-2106 Cheng WG-2006 Gao YP-2013 Ge SX-2006 Liu XG-2007 Tian GJ-2007 Xie SF-2014 Yu Q-2022 Guo QS-2010 Shu Y-2019 Common effect model Random effects model Heterogeneity. <i>I</i> ² = 99%, · province = Jiangsu Chen YZ-2006 Ge SX-2006 Ge XX-2018 Zhou X-2018 Zhou X-2018 Zhou X-2017 Zhang LF-2007 Zhang XF-2007 Zhang XF-2007	$\begin{array}{c} 79\\ 66\\ 20\\ 92\\ 51\\ 13\\ 144\\ 10\\ 92\\ 30\\ 1\\ 1\\ 2^2=0.0041, \\ 17\\ 57\\ 227\\ 13\\ 35\\ 5\\ 19\\ 103\\ 124 \end{array}$	10156 8213 26780 10139 1585 288 2614 1076 10136 1505 72492 0 < 0.01 1084 2390 6772 912 1316 2223 4139 118253		0.0078 0.0080 0.0007 0.0091 0.0322 0.0451 0.0551 0.0199 0.0093 0.0199 0.0057 0.0154 0.0157 0.0154 0.0238 0.0248 0.0248 0.0266 0.0249 0.0249 0.0210	[0.0662; 0.0097] [0.0662; 0.0102] [0.0663; 0.0112] [0.0073; 0.0111] [0.0240; 0.0421] [0.0240; 0.0451] [0.0445; 0.0170] [0.0073; 0.0283] [0.0073; 0.0062] [0.0073; 0.0280] [0.0073; 0.0250] [0.0181; 0.0381] [0.0294; 0.0381] [0.0294; 0.0381] [0.0294; 0.0381] [0.0294; 0.0381] [0.0294; 0.0381] [0.0294; 0.0381]	0.8% 0.6% 2.0% 0.8% 0.1% 0.2% 0.2% 0.1% 0.1% 0.1% 0.5% 0.5% 0.5% 0.1% 0.1% 0.2% 0.3% 8.8%	
Chen K-2106 Cheng WG-2006 Gao YP-2013 Ge SX-2006 Liu XG-2007 Tian GJ-2007 Xie SF-2014 Yu Q-2022 Goumon effect model Random effect model Heterogeneity. $J^2 = 99\%$, · province = Jiangsu Chen YZ-2006 Ge SX-2006 Ge SX-2006 Ge SX-2006 Ge SX-2007 Zhou X-2015 Yao MF-2007 Zhang XF-2007 Zhang XF-2007 Zhang Y-2014 Gu G-2015	$\begin{array}{c} 79\\ 66\\ 20\\ 92\\ 51\\ 13\\ 144\\ 92\\ 30\\ 1\\ 1\\ 1\\ 1\\ 1\\ \tau^2 = 0.0041, \\ \tau^2 = 0.0041, \\ 13\\ 35\\ 124\\ 124\\ 124\\ 7\\ 7\end{array}$	10156 8213 26780 10139 1585 288 2614 1076 10136 1505 72492 0 < 0.01 1084 2390 6772 912 13166 2223 4139 118253 1491		0.0078 0.0080 0.0007 0.0091 0.0322 0.0451 0.0551 0.0199 0.0057 0.0157 0.0157 0.0157 0.0153 0.0157 0.0238 0.0335 0.0143 0.0266 0.0085 0.0249 0.0010	[0.0062; 0.0097] [0.0062; 0.0102] [0.0063; 0.0122] [0.0073; 0.0111] [0.0240; 0.0421] [0.0473; 0.0645] [0.0445; 0.0170] [0.0073; 0.0645] [0.0073; 0.0283] [0.0075; 0.0283] [0.0075; 0.0283] [0.0075; 0.0283] [0.0075; 0.0283] [0.0076; 0.0243] [0.0186; 0.0381] [0.0076; 0.0243] [0.0186; 0.0381] [0.0052; 0.0133] [0.0052; 0.0133] [0.0052; 0.0133] [0.0052; 0.0133] [0.0052; 0.0133] [0.0052; 0.0133]	0.8% 0.6% 2.0% 0.8% 0.1% 0.2% 0.1% 5.4% 0.5% 0.5% 0.1% 0.1% 0.2% 0.5% 0.3% 8.8% 0.1%	
Chen K-2106 Cheng WG-2006 Gao YP-2013 Ge SX-2006 Liu XG-2007 Tian GJ-2007 Xie SF-2014 Yu Q-2022 Guo QS-2010 Shu Y-2019 Common effect model Random effects model Heterogeneity: J ² = 99%, - province = Jiangsu Chen YZ-2006 Ge SX-2006 Gu SY-2016 Gu SX-2007 Zhang XF-2007 Zhang XF-2007 Zhang XF-2007 Zhang XF-2018 Qu G-2015 Rui Z-2018	$\begin{array}{c} 79\\ 66\\ 20\\ 92\\ 92\\ 13\\ 14\\ 10\\ 92\\ 30\\ 10\\ 10\\ t^2=0.0041, \\ 77\\ 227\\ 13\\ 35\\ 227\\ 13\\ 35\\ 103\\ 124\\ 124\\ 7\\ 8\\ 10\\ 3\\ 124\\ 124\\ 8\\ 10\\ 10\\ 10\\ 10\\ 10\\ 10\\ 10\\ 10\\ 10\\ 10$	10156 8213 26780 10139 1585 288 2614 1076 10136 1505 72492 0 < 0.01 1084 2390 6772 912 1316 2223 4139 118253 1491 2433		0.0078 0.0080 0.0007 0.0091 0.0322 0.0451 0.0551 0.0093 0.0093 0.0199 0.0057 0.0154 0.0154 0.0155 0.0143 0.0238 0.0335 0.0143 0.0266 0.0085 0.0249 0.0017	[0.0062; 0.0097] [0.0062; 0.0102] [0.0063; 0.0112] [0.0073; 0.0111] [0.0240; 0.0421] [0.0243; 0.0760] [0.045; 0.0760] [0.045; 0.0170] [0.0073; 0.0283] [0.0075; 0.0283] [0.0075; 0.0283] [0.0075; 0.02260] [0.0181; 0.0062] [0.0181; 0.0308] [0.0294; 0.0381] [0.0294; 0.0381] [0.0294; 0.0381] [0.0294; 0.0381] [0.0294; 0.0381] [0.0294; 0.0381] [0.0294; 0.0381] [0.0294; 0.0381] [0.0095; 0.0133] [0.0294; 0.0391] [0.0096; 0.00133] [0.0096; 0.00133] [0.0096; 0.00133] [0.0096; 0.00133]	0.8% 0.6% 0.8% 0.1% 0.2% 0.4% 0.8% 0.7% 5.4% 0.1% 0.5% 0.1% 0.5% 0.1% 0.2% 0.1% 0.2% 0.3% 8.8% 0.0%	
Chen K-2106 Cheng WG-2006 Gao YP-2013 Ge SX-2006 Liu XG-2007 Tian GJ-2007 Xie SF-2014 Yu Q-2022 Guo QS-2010 Shu Y-2019 Common effect model Random effects model Heterogeneity. J ² = 99%, * province = Jiangsu Chen YZ-2006 Ge SX-2006 Gu YF-2018 Zhou X-2015 Yao MF-2007 Zhang LF-2007 Zhang LF-2007 Zhang LF-2007 Zhang Y-2014 Gu G-2015 Rui Z-2018 Wang Y-2018 Wang Y-2018 Wang Y-2013	79 66 20 92 51 13 144 10 92 92 51 30 14 2 2 2 2 7 227 13 35 5 103 124 7 8 103 124 7 8 6 5	10156 8213 26780 10139 1585 288 2614 1076 10136 1505 72492 0 < 0.01 1084 2390 6772 912 1316 2223 4139 118253 1491 433 2592 260		0.0078 0.0080 0.0007 0.0091 0.0322 0.0451 0.0551 0.0093 0.0093 0.0097 0.0154 0.0157 0.0238 0.0355 0.0143 0.0266 0.0085 0.0249 0.0010 0.0047 0.0185 0.0062	[0.0062; 0.0097] [0.0062; 0.0102] [0.0065; 0.0112] [0.0073; 0.0111] [0.0240; 0.0421] [0.0243; 0.0760] [0.045; 0.0760] [0.045; 0.0170] [0.0073; 0.0111] [0.0135; 0.0283] [0.0074; 0.0062] [0.0075; 0.0270] [0.0181; 0.0062] [0.0181; 0.0308] [0.0294; 0.0381] [0.0294; 0.0381] [0.0294; 0.0301] [0.0294; 0.0301] [0.0294; 0.0301] [0.0294; 0.0301] [0.0294; 0.0301] [0.0294; 0.0301] [0.0294; 0.0301] [0.0294; 0.0301] [0.0294; 0.0301] [0.0035; 0.0100] [0.0035; 0.0100]	0.8% 0.6% 2.0% 0.8% 0.2% 0.2% 0.4% 0.8% 0.1% 0.5% 0.1% 0.5% 0.1% 0.3% 0.3% 0.3% 0.3% 0.0% 0.2%	
Chen K-2106 Cheng WG-2006 Gao YP-2013 Ge SX-2006 Liu XG-2007 Tian GJ-2007 Xie SF-2014 Yu Q-2022 Gommon effect model Random effect model Random effect model Heterogeneity. / ² = 99%, · province = Jiangsu Chen YZ-2006 Ge SX-2006 Gu YF-2018 Gu YF-2018 Zhang XF-2007 Zhang XF-2007 Zhang XF-2007 Zhang XF-2007 Zhang XF-2007 Zhang XF-2007 Zhang XF-2018 Wang Y-2018 Wang Y-2018 Xue Y-2018 Common effect model	$\begin{array}{c} 79\\ 66\\ 20\\ 92\\ 51\\ 13\\ 144\\ 10\\ 92\\ 30\\ 1\\ 1\\ 1\\ 2^2 = 0.0041, \\ 7\\ 227\\ 13\\ 35\\ 5\\ 19\\ 103\\ 124\\ 7\\ 7\\ 8\\ 16\\ 5\\ 1\end{array}$	10156 8213 26780 10139 1585 288 2614 1076 10136 1505 72492 0 < 0.01 1084 2390 6772 912 13166 2223 4139 118253 1491 433 2592 269 141874		0.0078 0.0080 0.0090 0.0091 0.0322 0.0451 0.0551 0.0093 0.0091 0.0199 0.0057 0.0154 0.0157 0.0238 0.0335 0.0143 0.0266 0.0085 0.0249 0.0010 0.0057 0.0186 0.0047 0.0186 0.0082	[0.0662; 0.0097] [0.0662; 0.0102] [0.0063; 0.0112] [0.0073; 0.0111] [0.0240; 0.0421] [0.047; 0.0645] [0.047; 0.0645] [0.0073; 0.0283] [0.0075; 0.0283] [0.0075; 0.0283] [0.0075; 0.0283] [0.0076; 0.0243] [0.0294; 0.0381] [0.0294; 0.0381] [0.0052; 0.0133] [0.0294; 0.0381] [0.0052; 0.0133] [0.0052; 0.0133] [0.0052; 0.0133] [0.0052; 0.0133] [0.0095; 0.0133] [0.0095; 0.0133] [0.0095; 0.0133] [0.0095; 0.0133] [0.0095; 0.0133] [0.0095; 0.0100] [0.0085; 0.0100] [0.0085; 0.00241]	0.8% 0.6% 2.0% 0.8% 0.1% 0.2% 0.1% 0.2% 0.1% 0.5% 0.5% 0.5% 0.5% 0.5% 0.5% 0.5% 0.5	
Chen K-2106 Cheng WG-2006 Gao YP-2013 Ge SX-2006 Liu XG-2007 Tian GJ-2007 Xie SF-2014 Yu Q-2022 Guo QS-2010 Shu Y-2019 Common effects model Random effects model Random effects model Ge SX-2006 Gu YF-2018 Zhou X-2015 Yao MF-2007 Zhang LF-2007 Zhang LF-2007 Zhang LF-2007 Zhang LF-2007 Zhang X-2014 Gu G-2015 Rui Z-2018 Wang Y-2014 Gu G-2013 Common effect model Random effects model Random effects model	$\begin{array}{c} 79\\ 66\\ 20\\ 92\\ 51\\ 13\\ 144\\ 10\\ 92\\ 92\\ 62\\ 62\\ 7\\ 227\\ 13\\ 35\\ 124\\ 7\\ 8\\ 10\\ 124\\ 7\\ 8\\ 16\\ 5\\ 16\\ 16\\ 5\\ 16\\ 16\\ 22\\ 20021. \end{array}$	10156 8213 26780 10139 1585 288 2614 1076 10136 1505 72492 0 < 0.01 1084 2390 6772 912 1316 2223 4139 118253 1491 433 2592 2699 141874		0.0078 0.0080 0.0007 0.0091 0.0322 0.0451 0.0551 0.0551 0.0199 0.0057 0.0154 0.0157 0.0238 0.0335 0.0143 0.0266 0.0085 0.0249 0.0010 0.0041 0.0045 0.0041 0.0045	[0.0662; 0.0097] [0.0662; 0.0102] [0.0663; 0.0112] [0.0073; 0.0111] [0.0240; 0.4243; 0.0760] [0.0445; 0.04645] [0.0045; 0.0170] [0.0073; 0.0283] [0.0051; 0.00622] [0.0073; 0.0250] [0.0181; 0.0082] [0.0294; 0.0381] [0.0294; 0.0381] [0.0076; 0.0243] [0.0076; 0.0243] [0.0092; 0.0133] [0.0294; 0.0361] [0.0095; 0.0133] [0.0094; 0.00361] [0.0096; 0.00361] [0.0086; 0.00361] [0.0086; 0.0244] [0.0016; 0.0024] [0.0086; 0.0241]	0.8% 0.6% 2.0% 0.8% 0.2% 0.2% 0.1% 0.8% 0.5% 0.1% 0.5% 0.1% 0.5% 0.1% 0.1% 0.3% 0.3% 0.0% 0.2% 0.0%	1
Chen K-2106 Cheng WG-2006 Gao YP-2013 Ge SX-2006 Liu XG-2007 Tian GJ-2007 Xie SF-2014 Yu Q-2022 Guo QS-2010 Shu Y-2019 Common effect model Random effects model Heterogeneity. <i>I</i> ² = 99%, - province = Jiangsu Chen YZ-2006 Ge SX-2006 Gu YF-2018 Zhou X-2015 Yao MF-2007 Zhang XF-2007 Zhang XF-2007 Zhang XF-2007 Zhang Y-2014 Gu G-2015 Rui Z-2018 Wang Y-2018 Xue Y-2013 Common effect model Random effects mode Random effects mode	$\begin{array}{c} 79\\ 66\\ 20\\ 92\\ 51\\ 13\\ 14\\ 10\\ 92\\ 93\\ 10\\ 10\\ r^2=0.0041, \\ r^2=0.0041, \\ 15\\ 10\\ 10\\ 10\\ 10\\ 10\\ 10\\ r^2=0.0021, \\ r^2$	10156 8213 26780 10139 1585 288 2614 10136 1505 72492 0 < 0.01 1084 2390 6772 912 1316 2223 4139 118253 1491 433 2592 269 141874		0.0078 0.0080 0.0007 0.0091 0.0322 0.0451 0.0551 0.0093 0.0093 0.0097 0.0157 0.0157 0.0238 0.0335 0.0143 0.0266 0.0085 0.0249 0.0017 0.0185 0.0047 0.0185 0.0064 0.0085	[0.0062; 0.0097] [0.0062; 0.0102] [0.0063; 0.0112] [0.0073; 0.0111] [0.0240; 0.0421] [0.0243; 0.0760] [0.045; 0.0455] [0.045; 0.0455] [0.0073; 0.0111] [0.0135; 0.0283] [0.0075; 0.0270] [0.0075; 0.0270] [0.0181; 0.0062] [0.0181; 0.0062] [0.0181; 0.0308] [0.0294; 0.0381] [0.0294; 0.0381] [0.0076; 0.0243] [0.0075; 0.0103] [0.0095; 0.0103] [0.0085; 0.0215]	0.8% 0.6% 2.0% 0.8% 0.1% 0.2% 0.8% 0.1% 0.8% 0.5% 0.1% 0.5% 0.1% 0.3% 0.3% 0.3% 0.3% 0.0% 0.2%	1
Chen K-2106 Cheng WG-2006 Gao YP-2013 Ge SX-2006 Liu XG-2007 Tian GJ-2007 Xie SF-2014 Yu Q-2022 Gommon effect model Random effect model Random effect model Heterogeneity. / ² = 99%, · province = Jiangsu Chen YZ-2016 Gu YF-2018 Zhang XF-2007 Zhang XF-2007 Zhang XF-2007 Zhang XF-2007 Zhang XF-2007 Zhang XF-2007 Zhang XF-2007 Zhang XF-2007 Zhang XF-2007 Zhang XF-2008 Rui Z-2018 Wang Y-2018 Xue Y-2018 Xue Y-2018 Common effect model Random effect model Random effect model Heterogeneity. / ² = 99%, · province = Shanxi Gong Q-2012	$\begin{array}{c} 79\\ 66\\ 20\\ 92\\ 51\\ 13\\ 144\\ 10\\ 92\\ 30\\ 1\\ 1\\ 2^2=0.0041, \\ 17\\ 57\\ 27\\ 13\\ 35\\ 5\\ 19\\ 103\\ 124\\ 7\\ 8\\ 16\\ 5\\ 9\\ 102\\ 2^2=0.0021, \\ 3\\ 2^2=0.0021, \\ 3\\ 16\\ 5\\ 9\\ 10\\ 2^2=0.0021, \\ 3\\ 10\\ 10\\ 10\\ 10\\ 10\\ 10\\ 10\\ 10\\ 10\\ 10$	10156 8213 26780 10139 1585 288 2614 10136 1505 72492 0<01 1084 2390 6772 912 1316 2223 4139 118253 269 148254 269 148254 269 148254 269 269 269 269 27 269 269 27 269 269 27 269 269 27 269 269 269 269 269 269 269 269 269 269		0.0078 0.0080 0.0090 0.0091 0.0322 0.0451 0.0551 0.0093 0.0091 0.0199 0.0057 0.0154 0.0157 0.0238 0.0355 0.0143 0.0269 0.00143 0.0064 0.0085 0.0044 0.00143	[0.062; 0.0097] [0.062; 0.0102] [0.0063; 0.0112] [0.0073; 0.0111] [0.0240; 0.0421] [0.0240; 0.0421] [0.0240; 0.0451] [0.045; 0.0170] [0.0073; 0.0281] [0.0073; 0.0282] [0.0073; 0.0282] [0.0073; 0.0282] [0.0073; 0.0282] [0.0076; 0.0243] [0.0294; 0.0381] [0.0294; 0.0381] [0.0076; 0.0243] [0.0076; 0.0243] [0.0294; 0.0381] [0.0076; 0.0243] [0.0076; 0.0243] [0.0055; 0.0100] [0.0085; 0.0100] [0.0085; 0.0215]	0.8% 0.6% 2.0% 0.8% 0.2% 0.2% 0.1% 0.5% 0.5% 0.5% 0.5% 0.1% 0.2% 0.3% 0.3% 0.1% 0.2% 0.3% 0.0% 0.0%	1
Chen K-2106 Cheng WG-2006 Gao YP-2013 Ge SX-2006 Liu XG-2007 Tian GJ-2007 Xie SF-2014 Yu Q-2022 Gomon effect model Random effect model Random effect model Heterogeneity. J ² = 99%, · provInce = Jlangsu Chen YZ-2006 Gu XF-2018 Zhou X-2015 Yao MF-2007 Zhang XF-2007 Zhang XF-2007 Zhang XF-2007 Zhang XF-2007 Zhang XF-2018 Kui Z-2018 Kui Z-2018 Kue Y-2018 Common effect model Random effect model Reterogeneity. J ² = 99%, ·	$\begin{array}{c} 79\\ 66\\ 20\\ 92\\ 91\\ 13\\ 144\\ 10\\ 92\\ 30\\ 10\\ 10\\ 17\\ 227\\ 15\\ 227\\ 15\\ 35\\ 35\\ 103\\ 124\\ 124\\ 124\\ 124\\ 124\\ 124\\ 124\\ 124$	10156 8213 26780 10139 1585 288 2614 1076 10136 1505 72492 0 < 0.01 1084 2390 6772 912 1316 2223 4139 118253 1491 433 2592 269 141874 0 < 0.01 10220 82670 82670		0.0078 0.0080 0.0007 0.0091 0.0322 0.0451 0.0551 0.0091 0.0199 0.0057 0.0154 0.0157 0.0154 0.0335 0.0143 0.0266 0.0085 0.0249 0.0010 0.0044 0.0084 0.0084 0.0084 0.0084 0.0084 0.0084	[0.0062; 0.0097] [0.0062; 0.0102] [0.0063; 0.0112] [0.0073; 0.0111] [0.0240; 0.0421] [0.0473; 0.0645] [0.0445; 0.0170] [0.0073; 0.0645] [0.0073; 0.0283] [0.0051; 0.0082] [0.0073; 0.0283] [0.0052; 0.0250] [0.0181; 0.0308] [0.0294; 0.0338] [0.0294; 0.0338] [0.0294; 0.0338] [0.0052; 0.0133] [0.0204; 0.0313] [0.0095; 0.0243] [0.0096; 0.0243] [0.0096; 0.0243] [0.0096; 0.0133] [0.0096; 0.0361] [0.0096; 0.0245] [0.0080; 0.0361] [0.0095; 0.0245] [0.0095; 0.0245] [0.0095; 0.0245] [0.0095; 0.0245] [0.0095; 0.0245] [0.0095; 0.0245] [0.0095; 0.0245] [0.0095; 0.0255] [0.0095; 0.0055] [0.0095; 0.0055] [0.0095; 0.0055]	0.8% 0.6% 2.0% 0.8% 0.1% 0.8% 0.1% 0.8% 0.1% 0.1% 0.5% 0.5% 0.1% 0.1% 0.1% 0.3% 0.3% 0.3% 0.1% 0.1% 0.1% 0.1% 0.8% 0.8% 0.8%	1
Chen K-2106 Cheng WG-2006 Gao YP-2013 Ge SX-2006 Liu XG-2007 Tian GJ-2007 Xie SF-2014 Yu Q-2022 Guo QS-2010 Shu Y-2019 Common effect model Random effects model Random effects model Heterogeneity: / ² = 99%, / province = Jiangsu Chen YZ-2006 Ge SX-2006 Gu YF-2018 Zhou X-2015 Yao MF-2007 Zhang XF-2007 Zhang XF-2003 Zhang XF-2003 Zhang X-2014 Gu G-2015 Rui Z-2018 Wang Y-2018 Xue Y-2018 Common effects model Heterogeneity: / ² = 99%, / province = Shanxi Gong Q-2012 Li ZR-2005 Li ZR-2005	$\begin{array}{c} 79\\ 66\\ 20\\ 92\\ 92\\ 13\\ 14\\ 10\\ 92\\ 30\\ 10\\ 10\\ 10\\ 10\\ 10\\ 10\\ 10\\ 10\\ 10\\ 1$	10156 8213 26780 10139 1585 288 2614 10136 1505 72492 0 < 0.01 1084 2390 6772 912 1316 2223 4139 118253 1491 433 2592 269 141874 0 < 0.01 10220 82670 82677 8257 1042		0.0078 0.0080 0.0007 0.0091 0.0322 0.0451 0.0551 0.0199 0.0057 0.0154 0.0157 0.0154 0.0155 0.0143 0.0249 0.0016 0.0085 0.0249 0.0017 0.0186 0.0085 0.0044 0.0044 0.0042	[0.062; 0.0097] [0.062; 0.0102] [0.0062; 0.0102] [0.0073; 0.0112] [0.0240; 0.0421] [0.0243; 0.0760] [0.045; 0.0760] [0.045; 0.0171] [0.0135; 0.0283] [0.0073; 0.0220] [0.0073; 0.0220] [0.0073; 0.0220] [0.0181; 0.0062] [0.0294; 0.0381] [0.0294; 0.0381] [0.0294; 0.0381] [0.0294; 0.0381] [0.0294; 0.0381] [0.0294; 0.0381] [0.0095; 0.0133] [0.0294; 0.0381] [0.0095; 0.0133] [0.0095; 0.0133] [0.0095; 0.0133] [0.0095; 0.0133] [0.0095; 0.0243] [0.0095; 0.0243] [0.0085; 0.0245] [0.0019; 0.0024] [0.0085; 0.0215] [0.0001; 0.0003] [0.0032; 0.0059] [0.0001; 0.0003] [0.0032; 0.0059] [0.0001; 0.0025]	0.8% 0.6% 2.0% 0.8% 0.2% 0.2% 0.4% 0.4% 0.5% 0.1% 0.5% 0.1% 0.1% 0.2% 0.5% 0.1% 0.2% 0.2% 0.2% 0.0% 0.0% 0.0% 0.0%	1
Chen K-2106 Cheng WG-2006 Gao YP-2013 Ge SX-2006 Liu XG-2007 Tian GJ-2007 Xie SF-2014 Yu Q-2022 Guo QS-2010 Shu Y-2019 Common effect model Random effects model Random effects model Random effects model Gu YF-2018 Chen YZ-2006 Ge SX-2006 Gu YF-2018 Zhou X-2015 Yao MF-2007 Zhang XF-2007 Zhang XF-2007 Zhang XF-2014 Gu G-2015 Rui Z-2018 Wang Y-2018 Xue Y-2013 Common effect model Random effects model Random effects model Random effects model Li ZR-2005 Li TQ-2016 Sun LP-2004 Common effect model	$\begin{array}{c} 79\\ 66\\ 20\\ 92\\ 51\\ 13\\ 144\\ 10\\ 92\\ 92\\ 30\\ 14\\ 10\\ 7\\ 227\\ 13\\ 35\\ 124\\ 7\\ 8\\ 16\\ 5\\ 10\\ 124\\ 7\\ 8\\ 16\\ 5\\ 10\\ 124\\ 7\\ 8\\ 10\\ 3\\ 124\\ 7\\ 8\\ 10\\ 3\\ 124\\ 7\\ 8\\ 10\\ 3\\ 124\\ 7\\ 8\\ 10\\ 3\\ 124\\ 7\\ 8\\ 10\\ 10\\ 10\\ 10\\ 10\\ 10\\ 10\\ 10\\ 10\\ 10$	10156 8213 26780 10139 1585 288 2614 1076 1505 72492 0 < 0.01 1084 2390 6772 912 1316 2223 4139 118253 1491 433 2699 141874 0 < 0.01 10220 826700 8257 1043 10210		0.0078 0.0070 0.0091 0.0322 0.0451 0.0551 0.0551 0.0199 0.0057 0.0154 0.0157 0.0238 0.0335 0.0143 0.0266 0.0085 0.0249 0.0017 0.0185 0.0249 0.0018 0.0067 0.0185 0.0249 0.0018 0.0045 0.0043 0.0044	[0.0062; 0.0097] [0.0062; 0.0102] [0.0063; 0.0112] [0.0073; 0.0111] [0.0240; 0.0421] [0.0240; 0.0421] [0.043; 0.0760] [0.045; 0.0170] [0.0073; 0.0282] [0.0073; 0.0282] [0.0073; 0.0282] [0.0073; 0.0282] [0.0073; 0.0282] [0.0181; 0.0384] [0.0294; 0.0384] [0.0294; 0.0384] [0.0076; 0.0243] [0.0086; 0.0368] [0.0076; 0.0243] [0.0086; 0.00361] [0.0086; 0.0244] [0.0085; 0.0245] [0.0019; 0.0024] [0.0085; 0.0259] [0.0032; 0.0059] [0.0032; 0.0059] [0.0032; 0.0059] [0.0032; 0.0059] [0.0032; 0.0059] [0.0032; 0.0059]	0.8% 0.6% 2.0% 0.8% 0.2% 0.2% 0.8% 0.8% 0.5% 0.1% 0.5% 0.1% 0.5% 0.1% 0.3% 0.3% 0.3% 0.0% 0.0% 0.0% 0.0% 0.0	1
Chen K-2106 Cheng WG-2006 Gao YP-2013 Ge SX-2006 Liu XG-2007 Tian GJ-2007 Xie SF-2014 Yu Q-2022 Goumon effect model Random effect model Random effect model Heterogeneity. $J^2 = 99\%$, · province = Jiangsu Chen YZ-2006 Ge SX-2006 Ge SX-2006 Ge SX-2006 Ge SX-2006 Ge SX-2007 Zhang XF-2007 Zhang XF-2018 Xue Y-2018 Xue Y-2018 Xue Y-2018 Xue Y-2018 Xue Y-2018 Li TQ-2016 Sun LP-2004 Common effect model Random effect model Common effect mode	$\begin{array}{c} 79\\ 66\\ 20\\ 92\\ 51\\ 13\\ 144\\ 10\\ 92\\ 30\\ 92\\ 72\\ 227\\ 10\\ 10\\ 227\\ 200041, \\ 10\\ 227\\ 227\\ 13\\ 30\\ 10\\ 227\\ 10\\ 10\\ 10\\ 227\\ 227\\ 10\\ 10\\ 10\\ 20\\ 10\\ 10\\ 10\\ 10\\ 10\\ 10\\ 10\\ 10\\ 10\\ 1$	10156 8213 26780 10139 1585 288 2614 1076 10136 10136 1055 72492 0 < 0.01 1084 2390 6772 912 912 1316 2223 4139 14874 0 < 0.01 10220 82577 1043 10259		0.0078 0.0080 0.0007 0.0091 0.0322 0.0451 0.0551 0.0199 0.0057 0.0154 0.0157 0.0154 0.0157 0.0154 0.0335 0.0143 0.0266 0.0085 0.0249 0.0010 0.0062 0.0143 0.0044 0.0021 0.0143	[0.062; 0.0097] [0.062; 0.0102] [0.0062; 0.0102] [0.0073; 0.0111] [0.0240; 0.0421] [0.0240; 0.0421] [0.0467; 0.0645] [0.0473; 0.0645] [0.0073; 0.0283] [0.0073; 0.0283] [0.0075; 0.0283] [0.0075; 0.0283] [0.0075; 0.0283] [0.0075; 0.0283] [0.0076; 0.0243] [0.0186; 0.0381] [0.0294; 0.0381] [0.0294; 0.0381] [0.0076; 0.0243] [0.0076; 0.0243] [0.0080; 0.0361] [0.0085; 0.0215] [0.0085; 0.0215] [0.0032; 0.0062] [0.0032; 0.0062] [0.0032; 0.0062] [0.0032; 0.0062] [0.0032; 0.0062] [0.0032; 0.0062] [0.0085; 0.02143]	0.8% 0.6% 2.0% 0.8% 0.1% 0.8% 0.1% 0.8% 0.5% 0.5% 0.1% 0.5% 0.1% 0.3% 8.8% 0.9% 0.9% 0.9% 0.9% 0.0% 0.0% 0.0% 0.0	1
Chen K-2106 Cheng WG-2006 Gao YP-2013 Ge SX-2006 Liu XG-2007 Tian GJ-2007 Xie SF-2014 Yu Q-2022 Gourmon effect model Random effect model Random effect model Heterogeneity. $J^2 = 99\%$, · province = Jiangsu Chen YZ-2006 Gu YF-2018 Chen YZ-2006 Gu YF-2018 Zhang XF-2007 Zhang XF-2007 Zhang XF-2007 Zhang XF-2007 Zhang XF-2007 Zhang XF-2007 Zhang XF-2007 Zhang XF-2007 Zhang XF-2007 Common effect model Random effects model Heterogeneity. $J^2 = 99\%$, · province = Shanxi Gong Q-2012 Li TQ-2016 Sun LP-2004 Common effect model Random effects model Heterogeneity. $J^2 = 99\%$, ·	$\begin{array}{c} 79\\ 66\\ 20\\ 92\\ 51\\ 13\\ 144\\ 10\\ 92\\ 92\\ 30\\ 1\\ 1\\ 2^2 = 0.0041, \\ 1^7\\ 57\\ 7\\ 227\\ 13\\ 35\\ 124\\ 7\\ 8\\ 16\\ 5\\ 1\\ 227\\ 13\\ 35\\ 227\\ 13\\ 35\\ 227\\ 13\\ 35\\ 227\\ 13\\ 35\\ 227\\ 13\\ 35\\ 227\\ 13\\ 35\\ 20\\ 1\\ 22\\ 124\\ 7\\ 8\\ 16\\ 5\\ 10\\ 20\\ 1\\ 1\\ 20\\ 1\\ 1\\ 20\\ 1\\ 1\\ 20\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\$	10156 8213 26780 10139 1585 288 2614 1076 1505 72492 0 < 0.01 1084 2390 6772 912 912 1316 2223 4139 118253 1491 433 2592 118253 1491 433 2592 0 < 0.01		0.0078 0.0080 0.0007 0.0091 0.0322 0.0451 0.0551 0.0199 0.0057 0.0154 0.0157 0.0154 0.0157 0.0154 0.0355 0.0143 0.0264 0.0085 0.0249 0.0017 0.0062 0.0047 0.0143 0.0044 0.00143 0.0044 0.0044 0.0044 0.0044	[0.0662; 0.0097] [0.0662; 0.0102] [0.0063; 0.0112] [0.0073; 0.0111] [0.0240; 0.0421] [0.0240; 0.0421] [0.047; 0.0645] [0.047; 0.0645] [0.0073; 0.0283] [0.0073; 0.0283] [0.0075; 0.0283] [0.0075; 0.0283] [0.0075; 0.0283] [0.0075; 0.0283] [0.0076; 0.0243] [0.0294; 0.0381] [0.0294; 0.0381] [0.0294; 0.0381] [0.0294; 0.0381] [0.0076; 0.0243] [0.0052; 0.0133] [0.0294; 0.0381] [0.0055; 0.0103] [0.0085; 0.0100] [0.0085; 0.0215] [0.0095; 0.0259] [0.0003; 0.0062] [0.0032; 0.0059] [0.0032;	0.8% 0.6% 2.0% 0.8% 0.2% 0.2% 0.1% 0.5% 0.5% 0.1% 0.5% 0.1% 0.5% 0.1% 0.2% 0.3% 0.0% 0.2% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0	1
Chen K-2106 Cheng WG-2006 Gao YP-2013 Ge SX-2006 Liu XG-2007 Tian GJ-2007 Xie SF-2014 Yu Q-2022 Gournon effect model Random effect model Random effect model Heterogeneity. $J^2 = 99\%$, · province = Jiangsu Chen YZ-2016 Gu YF-2018 Zhang XF-2007 Zhang XF-2007 Common effect model Random effects model Heterogeneity. $J^2 = 99\%$, · province = Shanxi Gong Q-2012 Li TQ-2016 Sun LP-2004 Common effect model Random effects model Heterogeneity. $J^2 = 99\%$, · province = Inner Mong Wang XJ-2018	$\begin{array}{c} 79\\ 66\\ 20\\ 92\\ 51\\ 13\\ 14\\ 10\\ 92\\ 30\\ 1\\ 1\\ 1\\ 2^{2}=0.0041, \\ 7\\ 227\\ 13\\ 35\\ 227\\ 13\\ 35\\ 124\\ 7\\ 8\\ 16\\ 5\\ 1\\ 1\\ 1\\ 1\\ 1\\ 2^{2}=0.0021, \\ 37\\ 20\\ 1\\ 1\\ 1\\ 1\\ 2\\ 0\\ 1\\ 2\\ 0\\ 1\\ 1\\ 1\\ 1\\ 1\\ 2\\ 0\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\$	10156 8213 26780 10139 1585 288 2614 1076 1505 72492 0 < 0.01 1084 2390 6772 912 1316 2223 4139 118253 269 2492 0 < 0.01 10220 82577 1043 102190 0 < 0.01 31696		0.0078 0.0080 0.0090 0.0097 0.0091 0.0322 0.0451 0.0551 0.0199 0.0057 0.0154 0.0157 0.0154 0.0157 0.0154 0.0155 0.0143 0.0264 0.0085 0.0249 0.0010 0.0062 0.0143 0.0044 0.00143 0.0044 0.0044 0.00143 0.0044 0.0044 0.0044 0.0044 0.0044 0.0044 0.0044 0.0044 0.0044 0.0045 0.0045 0.0045 0.0045 0.0045 0.0045 0.0045 0.0045 0.0045 0.0045 0.0045	[0.0662; 0.0097] [0.0662; 0.0102] [0.0063; 0.0112] [0.0073; 0.0111] [0.0240; 0.0421] [0.0240; 0.0421] [0.043; 0.0760] [0.045; 0.0170] [0.0073; 0.0281] [0.0073; 0.0282] [0.0073; 0.0282] [0.0073; 0.0282] [0.0076; 0.0243] [0.0294; 0.0381] [0.0294; 0.0381] [0.0294; 0.0381] [0.0076; 0.0243] [0.0294; 0.0381] [0.0076; 0.0243] [0.0076; 0.0243] [0.0076; 0.0243] [0.0076; 0.0243] [0.0076; 0.0243] [0.0076; 0.0243] [0.0076; 0.0243] [0.0076; 0.0381] [0.0085; 0.0100] [0.0085; 0.0100] [0.0085; 0.0024] [0.0035; 0.0024] [0.0032; 0.0059] [0.0032; 0.0059] [0.0032; 0.0059] [0.0003; 0.0061] [0.0032; 0.0059] [0.0003; 0.0062] [0.0003; 0.0064]	0.8% 0.6% 2.0% 0.8% 0.1% 0.2% 0.8% 0.1% 0.5% 0.1% 0.5% 0.1% 0.3% 0.3% 0.3% 0.3% 0.0% 0.3% 0.0% 0.0	1
Chen K-2106 Cheng WG-2006 Gao YP-2013 Ge SX-2006 Liu XG-2007 Tian GJ-2007 Xie SF-2014 Yu Q-2022 Goumon effect model Random effect model Random effect model Heterogeneity. $J^2 = 99\%$, · province = Jiangsu Chen YZ-2006 Ge SX-2006 Ge X-2006 Ge X-2006 Ge X-2007 Zhang XF-2007 Zhang XF-2007 Zhang XF-2007 Zhang XF-2007 Zhang XF-2007 Zhang XF-2007 Zhang XF-2018 Kue Y-2018 Kue Y-2018 Kue Y-2018 Common effect model Random effects model Heterogeneity. $J^2 = 99\%$, · province = Shanxi Gong Q-2012 Li TQ-2016 Sun LP-2004 Common effect model Random effects model Heterogeneity. $J^2 = 99\%$, · province = Inner Mong Wang XJ-2018 Xua XJ-2018 Ma XX-2021	$\begin{array}{c} 79\\ 66\\ 20\\ 92\\ 91\\ 13\\ 144\\ 92\\ 30\\ 10\\ 10\\ 17\\ 227\\ 15\\ 227\\ 15\\ 35\\ 35\\ 103\\ 124\\ 7^2 = 0.0041, \\ 10\\ 10\\ 10\\ 10\\ 10\\ 10\\ 10\\ 10\\ 10\\ 1$	10156 8213 26780 10139 1585 288 2614 10136 1505 72492 0 < 0.01 1084 2390 6772 912 1316 2223 4139 118253 1491 433 2592 269 118253 1491 433 2592 269 118253 1491 433 2592 269 118253 1491 433 2592 269 110220 8257 1043 10220 8257 1043 10220 8257 1043 10220 8257 1043 10220 8257 1043 10520 8257 1043 10520 8257 1043 10520 8257 1043 10520 8257 1043 10520 8257 1043 10520 8257 1043 10520 8257 1043 10520 8257 1043 10520 8257 1043 10520 8257 1043 10520 8257 1043 10520 10520 10520 10520 10520 10520 10520 10520 10520 10520 10520 10520 10520 10520 10520 10520 105000 10500 105000 105000 105000 105000 105000 105000 105000 105000 105000 105000 105000 105000 100000000		0.0078 0.0080 0.0007 0.0091 0.0322 0.0451 0.0551 0.0093 0.0091 0.0157 0.0154 0.0157 0.0238 0.0335 0.0143 0.0266 0.0085 0.0249 0.0010 0.0044 0.0042 0.00143 0.0044 0.0045 0.0045 0.0048 0.0048	[0.0062; 0.0097] [0.0062; 0.0102] [0.0062; 0.0102] [0.0073; 0.0111] [0.0240; 0.0421] [0.0240; 0.04421] [0.0473; 0.0645] [0.0475; 0.0645] [0.0073; 0.0283] [0.0075; 0.0283] [0.0075; 0.0283] [0.0075; 0.0283] [0.0075; 0.0283] [0.0075; 0.0283] [0.0075; 0.0283] [0.0075; 0.0283] [0.0076; 0.0243] [0.0186; 0.03861] [0.0294; 0.0381] [0.0294; 0.0381] [0.0075; 0.0243] [0.0294; 0.0381] [0.0095; 0.0103] [0.0095; 0.0243] [0.0095; 0.0243] [0.0095; 0.0243] [0.0095; 0.0243] [0.0095; 0.0243] [0.0095; 0.0243] [0.0095; 0.0241] [0.0095; 0.0241] [0.0095; 0.0241] [0.0005; 0.0024] [0.0005; 0.0024] [0.0005; 0.0004] [0.0003; 0.0064] [0.0003; 0.0044] [0.0004]; 0.0044]	0.8% 0.6% 2.0% 0.8% 0.1% 0.8% 0.1% 0.8% 0.5% 0.5% 0.5% 0.1% 0.2% 0.5% 0.3% 0.9% 0.3% 0.9% 0.9% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0	10
Chen K-2106 Cheng WG-2006 Gao YP-2013 Ge SX-2006 Liu XG-2007 Tian GJ-2007 Xie SF-2014 Yu Q-2022 Guo QS-2010 Shu Y-2019 Common effect model Random effects model Heterogeneity: J ² = 99%, - province = Jiangsu Chen YZ-2006 Ge SX-2006 Gu YF-2018 Zhou X-2015 Yao MF-2007 Zhang XF-2007 Zhang XF-2007 Zhang XF-2007 Zhang XF-2003 Zhang XF-2007 Zhang XF-2018 Kui Z-2018 Kui Z-2018 Kui Y-2018 Common effect model Random effects model Heterogeneity: J ² = 99%, - province = Shanxi Gong Q-2012 Li TQ-2016 Sun LP-2004 Common effect model Random effects model Random effects model Random effect model Random effe	$\begin{array}{c} 79\\ 66\\ 20\\ 92\\ 92\\ 11\\ 13\\ 144\\ 10\\ 92\\ 30\\ 10\\ 10\\ t^2=0.0041, \\ 7^7\\ 227\\ 13\\ 35\\ 124\\ 7^8\\ 103\\ 124\\ 7^8\\ 103\\ 124\\ t^2=0.0021, \\ t^2=0.0025, \\ 00\\ 01\\ t^2=0.0025, \\ 00\\ 01\\ t^2=0.0025, \\ 00\\ 01\\ t^2=0.0025, \\ 01\\ 01\\ t^2=0.0025,$	10156 8213 26780 10139 1585 288 2614 10136 1505 72492 0 < 0.01 1084 2390 6772 912 1386 2239 4139 118253 1491 433 2592 269 141874 0 < 0.01 10220 82670 8257 1043 102190 0 < 0.01		0.0078 0.0070 0.0091 0.0322 0.0451 0.0551 0.093 0.0093 0.0199 0.0057 0.0154 0.0157 0.0238 0.0335 0.0143 0.0249 0.0016 0.0085 0.0249 0.0017 0.0186 0.0085 0.0044 0.0042 0.0044 0.0042 0.0045 0.0044	[0.0062; 0.0097] [0.0062; 0.0102] [0.0063; 0.0102] [0.0073; 0.0111] [0.0243; 0.0760] [0.0467; 0.0645] [0.045; 0.0170] [0.0473; 0.0283] [0.0073; 0.0220] [0.0073; 0.0220] [0.0073; 0.0220] [0.0073; 0.0220] [0.0181; 0.0062] [0.0294; 0.0381] [0.0294; 0.0381] [0.0294; 0.0381] [0.0294; 0.0381] [0.0095; 0.0243] [0.0095; 0.0133] [0.0095; 0.0133] [0.0095; 0.0133] [0.0095; 0.0133] [0.0095; 0.0133] [0.0095; 0.0131] [0.0095; 0.0131] [0.0085; 0.0243] [0.0085; 0.0243] [0.0011; 0.0024] [0.0032; 0.0059] [0.0001; 0.0024] [0.0003; 0.0059] [0.0003; 0.0006] [0.0003; 0.0006] [0.0003; 0.0006] [0.0003; 0.0006] [0.0004; 0.0004]	0.8% 0.6% 2.0% 0.8% 0.1% 0.2% 0.8% 0.1% 0.1% 0.5% 0.1% 0.2% 0.5% 0.1% 0.2% 0.3% 8.8% 0.0% 0.2% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0	10

$\label{eq:province} \begin{array}{l} \mbox{province} = \mbox{Gansu}\\ \mbox{Han XX-2010}\\ \mbox{Luo Y-2011}\\ \mbox{Ma Z-2010}\\ \mbox{Common effects model}\\ \mbox{Random effects model}\\ \mbox{Heterogeneity:} \end{tabular}^2 = 91\%, \end{tabular}^2$	6 7 9 = 0.0007,	11362 31137 2090 44589 p < 0.01	0.0005 [0.000 0.0002 [0.000 0.0043 [0.000 0.0003 [0.000 0.0011 [0.000	02; 0.0011] 0.8% 01; 0.0005] 2.3% 00; 0.0082] 0.2% 1; 0.0005] 3.3% 0; 0.0040]	0.9% 0.9% 0.9%
province = Anhui Hu AQ-2010	8	2019	0.0040 [0.001	7; 0.0078] 0.2%	0.9%
province = Liaoning Huang XY-2012 Liu DX-2019 Zhao JN-2017 Common effect model Random effects model Heterogeneity: $I^2 = 98\%$, τ^2	37 33 10 = 0.0031,	2250 40182 10000 52432 p < 0.01		16; 0.0226] 0.2% 16; 0.0012] 3.0% 15; 0.0018] 0.7% 8; 0.0014] 3.9% 0; 0.0159]	0.9% 0.9% 0.9%
province = Shandong Jiang T.2018 Liu JY.2016 Wang DM-2016 Zhang LM-2017 Cong W.2014 Zhang L-2018 Common effect model Random effects model Heterogenety. J ² = 99%, t ²	26 3 2 6 61 17 = 0.0025,	9797 2127 1000 739 1955 2048 17666 <i>p</i> ≤ 0.01	0.0027 [0.00 0.0020 [0.00 0.0020 [0.00 0.0081 [0.003 0.0081 [0.003 0.0047 [0.003 0.0047 [0.003 0.0068 [0.001	7; 0.0039] 0.7% 3; 0.0041] 0.2% 0; 0.0072] 0.1% 0; 0.0176] 0.1% 19; 0.0399] 0.1% 18; 0.0133] 0.2% 7; 0.0058] 1.3% 5; 0.0154]	0.9% 0.9% 0.8% 0.9% 0.9% 0.9%
province = Ningxia Jin LP-2012 Wang LP-2013 Common effect model Random effects model Heterogeneity: $I^2 = 0\%$, $\tau^2 =$	6 10 0, <i>p</i> = 0.5	11461 25180 36641	0.0005 [0.000 0.0004 [0.000 0.0004 [0.000 0.0004 [0.000	02; 0.0011] 0.9% 12; 0.0007] 1.9% 2; 0.0007] 2.7% 2; 0.0007]	0.9% 0.9% 1.9%
$\begin{array}{l} \label{eq:province} = \mbox{Tianjing} \\ \mbox{Kong P-2013} \\ \mbox{Liu Y-2013} \\ \mbox{Sun C-2016} \\ \mbox{Wu ZH-2017} \\ \mbox{Xing Y-2016} \\ \mbox{Yang XY-2016} \\ \mbox{Common effects model} \\ \mbox{Random effects model} \\ \mbox{Heterogenety}, \mbox{J}^2 = 97\%, \mbox{t}^2 \end{array}$	22 115 214 5 164 26	33211 25391 128833 32120 95217 12271 327043 p < 0.01	0.0007 [0.000 0.0045 [0.000 0.0017 [0.001 0.0002 [0.000 0.0017 [0.001 0.0021 [0.001 0.0015 [0.001	04; 0.0010] 2.5% 7; 0.0054] 1.9% 14; 0.0019] 9.6% 15; 0.0020] 7.1% 4; 0.0031] 0.9% 4; 0.0031] 0.9% 4; 0.0016] 24.3% 6; 0.0029]	0.9% 0.9% 0.9% 0.9% 0.9% 0.9%
province = Hebei Bo QN-2019 Geng Y-2019 Li M-2020 Common effect model Random effects model Heterogeneity: J^2 = 71%, τ^2	50 10 42 = 0.0007,	1700 496 946 3142 p = 0.03		9; 0.0386] 0.1% 77; 0.0368] 0.0% 22; 0.0595] 0.1% 9; 0.0383] 0.2% 8; 0.0452]	0.9% 0.8% 0.9%
province = Beijing Li SB-2010 Li XJ-2019 Liu XJ-2019 Zhao HL-2012 Ren F-2013 Liu XJ-2008 Common effects model Heterogeneity: /² = 98%, τ²	4 55 6 8 30 11	76654 16022 9529 327 2378 502 105412	0.0001 [0.000 0.0034 [0.002 0.0006 [0.000 0.0245 [0.010 	00; 0.0001] 5.7% 26; 0.0045] 1.2% 12; 0.0014] 0.7% 6; 0.0476] 0.0% 15; 0.0180] 0.2% 0; 0.0399] 0.0% 0; 0.0002] 7.8% 6; 0.0175]	0.9% 0.9% 0.8% 0.8% 0.8% 5.3%
province = Hunan Li WJ-2007	5	1553	0.0032 [0.001	0; 0.0075] 0.1%	0.9%
province = Chongqing Li W-2018	167	10008	+ 0.0167 [0.014	13; 0.0194] 0.7%	0.9%
province = Jilin Liu K-2009 Shao HW-2009 Common effect model Random effects model Heterogeneity: $I^2 = 0\%$, $\tau^2 =$	4 4 0, <i>p</i> = 0.4	1365 830 2195	0.0029 [0.000 0.0048 [0.001 0.0036 [0.001 0.0036 [0.001	8; 0.0075] 0.1% 13; 0.0123] 0.1% 4; 0.0066] 0.2% 4; 0.0066]	0.9% 0.9%
province = Xinjiang Ma XL-2015 Wu JY-2017 Ren F-2013 Common effect model Random effects model Heterogeneity: $J^2 = 54\%$, τ^2	12 7 14	3707 1459 1910 7076 <i>p</i> = 0.11	0 0032 [0 00 0 0045 [0 00 0 0073 [0 00 0 0073 [0 00 0 0045 [0 003 0 0048 [0 002	7; 0.0056] 0.3% 9; 0.0099] 0.1% 10; 0.0123] 0.1% 0; 0.0062] 0.5% 6; 0.0076]	0.9% 0.9% 0.9%
province = Guangxi Nong HY-2013 Wu ZT-2013 Common effect model Random effects model Heterogeneity: I^2 = 93%, τ^2	7 14 = 0.0005,	11938 4441 16379 <i>p</i> < 0.01	0.0006 [0.000 0.0032 [0.001 0.0011 [0.000 0.0016 [0.000	02; 0.0012] 0.9% (7; 0.0053] 0.3% (6; 0.0016] 1.2% (0; 0.0051]	0.9% 0.9% 1.8%
province = Shannxi Wang XH-2018 Zhang P-2015 Common effect model Random effects model Heterogeneity: I^2 = 47%, τ^2	41 3 = < 0.000	36152 1195 37347 1, <i>p</i> = 0.17	0.0011 [0.000 0.0025 [0.000 0.0010 [0.000 0.0013 [0.000	08; 0.0015] 2.7% 15; 0.0073] 0.1% 7; 0.0014] 2.8% 3; 0.0029]	0.9% 0.9%
province = Guizhou Xia C-2012 Xiao ZY-2016 Common effect model Random effects model Heterogeneity: $I^2 = 91\%$, τ^2	11 32 = 0.0019,	749 8952 9701 p < 0.01	0.0147 [0.007 0.0036 [0.002 0.0039 [0.002 0.0077 [0.000	4; 0.0261] 0.1% 24; 0.0050] 0.7% 7; 0.0053] 0.7% 4; 0.0226]	0.8% 0.9%
province = Henan Yang LL-2015	73	3654	- 0.0200 [0.015	o7; 0.0251] 0.3%	0.9%
province = Sichuan Yuan ZZ-2022	10	1604	0.0062 [0.003	80; 0.0114] 0.1%	0.9%
Chen X-2019	43	4044	• 0.0106 [0.007	7; 0.0143] 0.3%	0.9%
Tsoi WC-2020	16	2000	0.0080 [0.004	16; 0.0130] 0.1%	0.9%
Random effects model	- 0.0022	0-0		8; 0.0096]	100.0%
Test for subgroup difference Test for subgroup difference	= 0.0033, es (comm es (randor	p = 0 0 on effect): n effects):	$2^{-}_{27} = 2370.30, df = 27 (p = 0)$ $2^{-}_{27} = 673.07, df = 27 (p < 0.01)$		

Figure S6. Forest plot of pooled anti-HEV IgM seroprevalence of all populations among different provinces

Study	Events	Total	Pro	oportion	95%-CI	Weight (common)	Weight (random)
province = Heilongjiang Bi L-2008	5	1204	*	0.0042	[0.0013; 0.0097]	2.3%	4.4%
province = Guangdong You QZ-2019 Ren F-2013 Common effect model Random effects model Heterogeneity: $J^2 = 0\%$, τ^2	2 1 = 0, <i>p</i> = 0	5552 2520 8072		0.0004 0.0004 0.0004 0.0004	[0.0000; 0.0013] [0.0000; 0.0022] [0.0000; 0.0009] [0.0000; 0.0009]	10.7% 4.9% 15.6%	4.8% 4.7% 9.5%
province = Liaoning Huang XY-2012	0	2250		0.0000	[0.0000; 0.0016]	4.4%	4.6%
province = Chongqing Li W-2018	2	10008		0.0002	[0.0000; 0.0007]	19.4%	4.9%
province = Jilin Liu K-2009 Shao HW-2009 Common effect model Random effects model Heterogeneity: $I^2 = 0\%$, τ^2	2 1 = 0, <i>p</i> = 0	1365 830 2195 .97		0.0015 0.0012 0.0013 0.0013	[0.0002; 0.0053] [0.0000; 0.0067] [0.0001; 0.0035] [0.0001; 0.0035]	2.6% 1.6% 4.2% 	4.5% 4.2% 8.7%
province = Hubei Liu XG-2007 Yu Q-2022 Common effect model Random effects model Heterogeneity: $l^2 = 20\%$, τ^2	5 1 ² = < 0.00	1585 1076 2661 01, <i>p</i> = 0	₽ 26	0.0032 0.0009 0.0021 0.0021	[0.0010; 0.0073] [0.0000; 0.0052] [0.0006; 0.0044] [0.0005; 0.0046]	3.1% 2.1% 5.1%	4.5% 4.4% 8.9%
province = Xinjiang Wu JY-2017 Zhong CF-2011 Ren F-2013 Wang M-2017 Common effect model Random effects model Heterogeneity: $I^2 = 0\%, \tau^2$;	2 0 1 1	2980 27 1910 1002 5919 85		0.0007 0.0000 0.0005 0.0010 0.0000 0.0000	[0.0001; 0.0024] [0.0000; 0.1277] [0.0000; 0.0029] [0.0000; 0.0055] [0.0000; 0.0000] [0.0000; 0.0000]	5.8% 0.1% 3.7% 1.9% 11.4%	4.7% 0.8% 4.6% 4.3%
province = Shandong Zhang LM-2017	1	739	-	0.0014	[0.0000; 0.0075]	1.4%	4.2%
province = Yunnan Fu P-2021 Ren F-2013 Wang M-2017 Common effect model Random effect model	0 0 4	1864 1953 1305 5122		0.0000 0.0000 0.0031 0.0003 0.0004	[0.0000; 0.0020] [0.0000; 0.0019] [0.0008; 0.0078] [0.0000; 0.0011] [0.0000; 0.0029]	3.6% 3.8% 2.5% 9.9%	4.6% 4.6% 4.5% 13.6%
province = Gansu Ma Z-2010	= 0.000e	2090 p		0.0435	[0.0352; 0.0532]	4.0%	4.6%
province = Beijing Ren F-2013	0	2378		0.0000	[0.0000; 0.0016]	4.6%	4.7%
province = Zhejiang Ren F-2013	4	1980		0.0020	[0.0006; 0.0052]	3.8%	4.6%
province = Guangxi Wang M-2017	2	1383		0.0014	[0.0002; 0.0052]	2.7%	4.5%
province = Henan Wang M-2017	6	356		0.0169	[0.0062; 0.0363]	0.7%	3.6%
province = Fujian Wen GP-2018	15	5345		0.0028	[0.0016; 0.0046]	10.3%	4.8%
Common effect model Random effects model		51702		0.0005 0.0012	[0.0003; 0.0008] [0.0001; 0.0032]	100.0% 	 100.0%
Heterogeneity: $I^2 = 93\%$, τ^2	² = 0.0018	, p < 0.0	$0.02\ 0.04\ 0.06\ 0.08\ 0.1\ 0.12$				

Test for subgroup differences (common effect): $\chi_{14}^2 = 323.16$, df = 14 (p < 0.01) Test for subgroup differences (random effects): $\chi_{14}^2 = 318.88$, df = 14 (p < 0.01)

Figure S7. Forest plot of pooled anti-HEV Ag seroprevalence of all populations among different provinces

				Weight	Weight
Study	Events	Total	Proportion 95%-CI (con	mmon)	(random)
province = Jiangsu		1			
Ai X-2009	8	146	0 0548 [0 0240: 0 1051]	1.5%	6.2%
Ge SX-2006	5	57	0.0877 [0.0291: 0.1930]	0.6%	5.6%
Rui 7-2018	4	8	0.5000 [0.1570: 0.8430]	0.1%	2.8%
Wang Y-2018	1	16	0.0625 [0.0016: 0.3023]	0.2%	3.9%
Xue Y-2013	1	4	0 2500 [0 0063 0 8059]	0.0%	1.9%
Common effect model		231	0.0486 [0.0179: 0.0887]	2.3%	
Random effects model			0.1092 [0.0119: 0.2595]		20.3%
Heterogeneity: $I^2 = 64\%$, τ^2	² = 0.0249	p = 0.02			
province = Hainan					
Du L-2013	7	235	0.0298 [0.0121; 0.0604]	2.3%	6.4%
province = Zhejiang					
Huang GY-2009	3	28	0.1071 [0.0227; 0.2823]	0.3%	4.7%
Sang LY-2007	6	1157	0.0052 [0.0019; 0.0113]	11.5%	6.6%
Yan GX-2004	6	46	0.1304 [0.0494; 0.2626]	0.5%	5.3%
Ge SX-2006	4	21	0.1905 [0.0545; 0.4191]	0.2%	4.3%
Ge SX-2006	13	62	0.2097 [0.1166; 0.3318]	0.6%	5.6%
Common effect model		1314	0.0045 [0.0006; 0.0108]	13.1%	the second second second
Random effects model			0.1015 [0.0211; 0.2236]		26.7%
Heterogeneity: $I^2 = 94\%$, τ^2	- = 0.0282	p < 0.01			
province = Hubei				0.001	5.000
Ge SX-2006	11	92	0.1196 [0.0612; 0.2039]	0.9%	5.9%
province = Shanghai	2	12	0.0465 10.0057 0.15911	0 49/	E 20/
Chell X-2019	2	43	0.0403 [0.0037, 0.1381]	0.4 /0	3.370
province = Xinjiang		50		0.001	5 504
Fu H-2010	1	56 #	0.0179 [0.0005; 0.0955]	0.6%	5.5%
province = Yunnan	-		0.0000 10.4400 0.04001	0.00/	0.00/
Huang F-2015	5	15	0.3333 [0.1182; 0.6162]	0.2%	3.8%
Qian Z-2022	161	2297	0.0701 [0.0600; 0.0813]	22.8%	6.1%
Common effect model		2312	0.0580 [0.0477; 0.0691]	22.9%	40.50
Heterogeneity: $I^2 = 87\%$, τ^2	² = 0.0559	p < 0.01	0.1591 [0.0000; 0.4869]		10.5%
province = Hebei					
Li M-2020	1	181	0.0055 [0.0001; 0.0304]	1.8%	6.3%
manimas = Canau					
province - Gansu	22	200	0.0005 10.0500.0.40001	0.00/	0 40/
Ma Z-2010	23	200	0.0885 [0.0569, 0.1298]	2.0%	0.4%
province = Fujian	45	FOAF	0.0000 10.0046-0.00463	E2 00/	6 70/
Wen GP-2018	15	0340	0.0028 [0.0016, 0.0046]	53.0%	0.1%
Common effect model		10069	0.0039 [0.0022; 0.0060] 1	00.0%	-
Random effects model			> 0.0676 [0.0310; 0.1141]		100.0%
		1			
Heterogeneity: $I^2 = 96\%$, τ^2 Test for subgroup difference	= 0.0213	p < 0.00	0.2 0.4 0.6 0.8 $\gamma^2 = 388 ext{ 75 df} = 9 (p < 0.01)$		
Test for subgroup difference	es (rando	n effects	$\chi_9^2 = 136.73$, df = 9 (p < 0.01)		

Figure S8. Forest plot of pooled HEV RNA detection rate of all populations in different provinces

Study	Events Total	Proportion	Weight N 95%-Cl (common) (ra	Neight ndom)
Population = The Gener Zhang ZX-2003	ral Population 210 574		[0.3264: 0.4067] 0.1%	0.5%
AYiGuLi-2010	13 151 -+	0.0861	[0.0466; 0.1427] 0.0%	0.5%
Ai X-2009	5588 12555	0.4451	[0.4364; 0.4538] 2.1%	0.6%
Bi L-2008	107 1001 -	0.1069	[0.0884; 0.1277] 0.2%	0.5%
Cao HJ-2004 Shen JX 2007	648 1934 749 1570	+ 0.3351	[0.3140; 0.3566] 0.3%	0.6%
Chen XM-2014	281 868	+ 0.3237	[0.2927; 0.3560] 0.1%	0.5%
Ning LF-2008	1086 3561	+ 0.3050	[0.2899; 0.3204] 0.6%	0.6%
Cheng Y-2007	10 140 -	0.2343	[0.0348; 0.1274] 0.0%	0.5%
Du JY-2014	295 952	+ 0.3099	[0.2806; 0.3403] 0.2%	0.5%
Fan LZ-2012	0 158 -	0.0296	[0.0000; 0.0231] 0.0%	0.5%
Gong YH-2005	134 144	0.9306	[0.8760; 0.9662] 0.0%	0.5%
Yao XF-2013	806 2012	+ 0.4006	[0.3791; 0.4224] 0.3%	0.6%
He YW-2018	15 35857	0.0004	[0.0002; 0.0007] 6.0%	0.6%
Wu JY-2016	287 1529	+ 0.1877	[0.1684; 0.2082] 0.3%	0.5%
Wu JY-2016	112 312 635 1316	0.3590	[0.3057; 0.4149] 0.1%	0.5%
Huang SY-2020	120 648	- 0.1852	[0.1560; 0.2173] 0.1%	0.5%
Huang SM-2017 Mong ZH 2005	273 5345	0.0511	[0.0453; 0.0573] 0.9%	0.6%
Lu B-2008	208 1060	+ 0.1962	[0.1727; 0.2214] 0.2%	0.5%
Wang FD-2004	394 850	0.4635	[0.4296; 0.4977] 0.1%	0.5%
Kong DG-2017	825 1945	+ 0.4242	[0.4021; 0.4465] 0.3%	0.6%
Li B-2003	14 178 -	0.0787	[0.0437; 0.1284] 0.0%	0.5%
Bo QN-2019	124 836	- 0.1483	[0.1249; 0.1743] 0.1%	0.5%
Li MY-2008	169 768		[0.1912; 0.2510] 0.1%	0.5%
Li YB-2004	572 3336	+ 0.1715	[0.1588; 0.1847] 0.6%	0.6%
Wang HR-2007	515 2209	+ 0.2331	[0.2156; 0.2513] 0.4%	0.6%
Liu JY-2016	57 2127 +	0.0268	[0.0204; 0.0346] 0.4%	0.6%
Liu K-2009	111 939 -	0.1182	[0.0983; 0.1406] 0.2%	0.5%
Liu XG-2008	209 566	+ 0.3693	[0.3294; 0.4105] 0.1%	0.5%
Yu LM-2001	54 417	0.1295	[0.0988; 0.1656] 0.1%	0.5%
Lu J-2009	259 1977	0.1310	[0.1164; 0.1467] 0.3%	0.6%
Lu YH-2006	421 663	0.6350	[0.5971; 0.6717] 0.1% [0.0486: 0.0633] 0.6%	0.5%
Ma TW-2013	3 90	0.0333	[0.0069; 0.0943] 0.0%	0.5%
Nong CS-2007 Pan TJ-2002	1/2 3//	0.4562	[0.4051; 0.5080] 0.1% [0.0000: 0.0023] 0.3%	0.5%
Pan YL-2021	0 103794	0.0000	[0.0000; 0.0000] 17.3%	0.6%
Sun ZH-2017	2555 47852	0.0633	[0.0514; 0.0554] 0.1%	0.5%
Sun Z-2014	471 1483	+ 0.3176	[0.2939; 0.3420] 0.2%	0.5%
Tian JS-2007	35 778 +	0.0450	[0.0315; 0.0620] 0.1%	0.5%
Wang DM-2016 Wang EY-1999	28 1000 + 33 575 +	0.0280	[0.0187; 0.0402] 0.2% [0.0398: 0.0797] 0.1%	0.5%
Wang ZZ-2007	1105 1234	+ 0.8955	[0.8770; 0.9120] 0.2%	0.5%
Wang RL-2012 Wu CH-2003	509 2028 4 148 -	+ 0.2510 0.0270	[0.2322; 0.2705] 0.3% [0.0074: 0.0678] 0.0%	0.6%
Wu JY-2017	310 1459	+ 0.2125	[0.1917; 0.2344] 0.2%	0.5%
Xiao ZB-2022	1217 4661	+ 0.2611	[0.2485; 0.2740] 0.8%	0.6%
Xing XM-2011	185 812		[0.1994; 0.2583] 0.1%	0.5%
Yang B-2013	40 597 +	0.2308	[0.0483; 0.0901] 0.1%	0.5%
Yin YZ-2001 Yu DS-2011	63 676 + 338 2429	0.0932	[0.0724; 0.1177] 0.1% [0.1256: 0.1536] 0.4%	0.5%
Yu WX-2012	138 5000	0.0276	[0.0232; 0.0325] 0.8%	0.6%
Zhang D-2022 Zhang P-2015	1000 6493 47 1195 +	0.1540	[0.1453; 0.1630] 1.1% [0.0290: 0.0520] 0.2%	0.6%
Zhang XF-2007	2152 4139	+ 0.5199	[0.5046; 0.5353] 0.7%	0.6%
Zhao HL-2012 Zheng RD-2013	17 327 +	+ 0.0520 + 0.2435	[0.0306; 0.0819] 0.1% [0.2150: 0.2738] 0.1%	0.5%
Zheng SJ-2015	55 205	0.2683	[0.2090; 0.3345] 0.0%	0.5%
Zhong SQ-2007	702 1239	+ 0.4088	[0.3900; 0.4279] 0.4%	0.5%
Zhu GZ-2015	458 2957	• 0.1549	[0.1420; 0.1684] 0.5%	0.6%
Zhou HF-2006	47 175	0.2280	[0.2045; 0.3407] 0.0%	0.5%
Cai Y-2017 Chan DP-2017	366 1842 131 408	+ 0.1987	[0.1807; 0.2177] 0.3% [0.2760: 0.3688] 0.1%	0.6%
Chang Y-2009	522 2572	+ 0.2030	[0.1876; 0.2190] 0.4%	0.6%
Chiu DM-2013 Cong W-2014	129 450 244 965	+ 0.2867 + 0.2528	[0.2453; 0.3309] 0.1% [0.2257: 0.2815] 0.2%	0.5%
Dong C-2012	2793 14208	• 0.1966	[0.1901; 0.2032] 2.4%	0.6%
Fu H-2010	70 296	- 0.8993	[0.1892; 0.2891] 0.0%	0.5%
Shenyang G-2011	37 456 +	0.0811	[0.0578; 0.1101] 0.1%	0.5%
Gu G-2015	57 994 +	0.0573	[0.0437; 0.0737] 0.2%	0.5%
Huang F-2015	12 114	- 0.1053	[0.0556; 0.1767] 0.0% [0.2280: 0.2413] 2.6%	0.5%
Taniguchi M-2009	143 300	0.4767	[0.4190; 0.5348] 0.0%	0.5%
Li H-2021 Li RC-2006	4839 10715	= 0.0461 0.4516	[0.0410; 0.0516] 1.0% [0.4422; 0.4611] 1.8%	0.6%
Li W-2011	69 173	0.3988	[0.3253; 0.4759] 0.0%	0.5%
Liu KSH-2019	3408 10241	· 0.3834	[0.3237; 0.3420] 0.0%	0.6%
Lu J-2009 Ma XX-2021	1547 8762	0.1766	[0.1686; 0.1847] 1.5% [0.0241: 0.0754] 0.0%	0.6%
Ma Z-2010	407 2090	+ 0.1947	[0.1780; 0.2124] 0.3%	0.6%
Rui Z-2018 Shu Y-2019	16 208 + 323 1232	0.0769	[0.0446; 0.1219] 0.0% [0.2378: 0.2877] 0.2%	0.5%
Wang Y-2018	528 1475	+ 0.3580	[0.3335; 0.3830] 0.2%	0.5%
Vvong KH-2004 Xue Y-2013	1/6 934 70 260	+ 0.1884 0.2692	[0.1638; 0.2150] 0.2% [0.2163; 0.3275] 0.0%	0.5%
Yu Y-2009	988 4508	+ 0.2192	[0.2072; 0.2315] 0.7%	0.6%
Zhang L-2018 Zhang L-2017	236 600	- 0.2527	[0.3540; 0.4337] 0.1%	0.5%
Zhang W-2009 Common effect model	117 1476 + 413997	0.0793	[0.0660; 0.0942] 0.2% [0.0865: 0.0883] 68.9%	0.5%
Random effects model	-15557	© 0.2149	[0.1804; 0.2516]	60.7%
Heterogeneity: $I^{-} = 100\%$, τ	r = 0.0538, p = 0			

Li MY-2020 Ma XX-2021 Qian Z-2022 Rui Z-2018 Common effects model Heterogeneity: / ² = 94%, τ ² Common effect model Random effects model	157 946 207 3278 2275 19762 49 225 32678 ² = 0.0032, p < 0.01 601199		0.1660 [0.1428; 0.1912] 0.0631 [0.0551; 0.0720] 0.1151 [0.1107; 0.1197] 0.2178 [0.1657; 0.2775] 0.1178 [0.1143; 0.1214] 0.1317 [0.1119; 0.1528] 0.1332 [0.1324; 0.1341] 0.2448 [0.2168; 0.2740]	0.2% 0.5% 3.3% 0.0% 5.4% 100.0%	0.5% 0.6% 0.5% 8.7%
Population = Pregnant Zhou X-2015 Bo QN-2019 Li L-2012 Ma TW-2013 Wang Q-2014 Wu XX-2021 Chan DP-2017 Cong W-2014 Gu G-2015 Huang F-2013 Huang F-2015 Huang H-2016	Women 124 912 135 864 15 149 27 234 422 2812 169 836 33 215 160 990 55 497 30 293 24 274 24 274 42 391		$\begin{array}{cccc} 0.1360 & [0.1144; 0.1599] \\ 0.1562 & [0.1327; 0.1822] \\ 0.1007 & [0.0574; 0.1606] \\ 0.1154 & [0.0774; 0.1634] \\ 0.1501 & [0.1371; 0.1638] \\ 0.2022 & [0.1754; 0.2310] \\ 0.1535 & [0.1081; 0.2087] \\ 0.1616 & [0.1392; 0.1861] \\ 0.1107 & [0.0845; 0.1416] \\ 0.1024 & [0.0702; 0.1429] \\ 0.0569; 0.1275] \\ 0.1074 & [0.0785; 0.1424] \\ \end{array}$	0.2% 0.1% 0.0% 0.5% 0.1% 0.0% 0.2% 0.1% 0.0% 0.0% 0.0%	0.5% 0.5% 0.5% 0.6% 0.5% 0.5% 0.5% 0.5% 0.5% 0.5% 0.5% 0.5%
Population = Volunteer You QZ-2019 Gao DY-2004 Gao XL-2002 Huang GY-2009 Huang GY-2009 Huang X-2012 Li W-2018 Liu XG-2007 Wang L-2013 Yang L-2013 Yang L-2015 Yu Q-2022 Zhang LM-2017 Chen X-2019 Fu P-2021 Guo QS-2010 Ma L-2015 Ren F-2013 Tsoi WC-2020 Wang M-2017 Wen GP-2018 Zhuang W-2014 Common effect model Heterogeneity: $I^2 = 99\%, \tau^2$	Blood Donors 1113 5552 1804 6988 1 182 1013 3044 501 2250 4923 10008 167 500 1107 3701 1788 4396 1269 3047 966 3654 183 1076 95 739 799 4044 14608 44816 87 366 2945 10741 315 2000 1008 4046 1227 5345 113 486 118845 = 0.0189, p = 0		0.2005 [0.1900; 0.2112] 0.2582 [0.2479; 0.2686] 0.0055 [0.0001; 0.0302] 0.3328 [0.3160; 0.3498] 0.2227 [0.2056; 0.2404] 0.4919 [0.4821; 0.5018] 0.3340 [0.2927; 0.3772] 0.2991 [0.2844; 0.3141] 0.4067 [0.3922; 0.4214] 0.4165 [0.3989; 0.4342] 0.2644 [0.2501; 0.2790] 0.1701 [0.1481; 0.1939] 0.1286 [0.1053; 0.1548] 0.1976 [0.1854; 0.2102] 0.1336 [0.1185; 0.1499] 0.3260 [0.3216; 0.3303] 0.2377 [0.1950; 0.2847] 0.2742 [0.2658; 0.2827] 0.1575 [0.1418; 0.1742] 0.2491 [0.2359; 0.2628] 0.2296 [0.2183; 0.2411] 0.2325 [0.1956; 0.2727] 0.3019 [0.2993; 0.3045] 0.2436 [0.1956; 0.2948]	0.9% 1.2% 0.5% 0.4% 1.7% 0.6% 0.7% 0.6% 0.2% 0.7% 0.3% 0.7% 0.3% 0.1% 1.8% 0.3% 0.1% 1.8% 0.3% 0.1% 1.8%	0.6% 0.6% 0.6% 0.6% 0.6% 0.6% 0.6% 0.6%
Population = hospital a Bo QN-2018 Hu AQ-2010 Pu MH-2008 Shao JS-2006 Xie SF-2014 Xu PN-2014 Chan DP-2017 Wang Y-2018 Xue Y-2013 Zhang L-2018 Common effect model Heterogeneity: J ² = 99%, τ ²	$\begin{array}{c} \text{ttendees} \\ 127 & 1019 \\ 377 & 2019 \\ 408 & 1360 \\ 2565 & 14020 \\ 1019 & 2614 \\ 91 & 415 \\ 88 & 200 \\ 445 & 1117 \\ 94 & 269 \\ 483 & 2048 \\ \textbf{25081} \\ \end{array}$	+ + + + + + + + + * *	0.1246 [0.1050; 0.1465] 0.1867 [0.1699; 0.2044] 0.3000 [0.2757; 0.3251] 0.1830 [0.1766; 0.1895] 0.3898 [0.3711; 0.4088] 0.2193 [0.1804; 0.2622] 0.4400 [0.3701; 0.5117] 0.3884 [0.2925; 0.4097] 0.2358 [0.2176; 0.2548] 0.2227 [0.2176; 0.2279] 0.2753 [0.2105; 0.3453]	0.2% 0.3% 2.3% 0.4% 0.1% 0.0% 0.2% 0.0% 0.3% 4.2%	0.5% 0.6% 0.6% 0.6% 0.5% 0.5% 0.5% 0.5% 0.5%
Population = Occupation Bi L-2008 Cai YS-2013 Cao HJ-2004 Cao HJ-2004 Wu JY-2016 Zhu JF-2007 Liu X-2007 Liu X-2007 Liu X-2007 Liu X-2007 Liu X-2007 Liu X-2007 Liu X-2007 Liu X-2009 Tang WF-2014 Wang YC-2005 Zhu JF-2006 Zhu GZ-2015 Chan DP-2017 Chang Y-2009 Cui W-2018 Geng Y-2019 Liang H-2014 Shu Y-2019 Liang H-2014 Shu Y-2019 Vu Y-2009 Common effect model Random effect model	Age 203 49 203 230 510 233 356 146 189 153 191 205 299 254 340 29 176 574 1722 112 426 362 785 362 785 362 785 362 785 362 785 362 785 362 785 38 182 78 145 297 409 72 94 232 348 240 716 105 247 228 1028 34 75 114 132 132 273 311 985 10598 = 0.0434, p < 0.01	♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦	$\begin{array}{c} 0.2414 & [0.1842; 0.3063]\\ 0.4510 & [0.4072; 0.4953]\\ 0.6545 & [0.6026; 0.7038]\\ 0.7725 & [0.7060; 0.8302]\\ 0.8010 & [0.7373; 0.8552]\\ 0.6856 & [0.6297; 0.7378]\\ 0.7471 & [0.6973; 0.7924]\\ 0.1648 & [0.1132; 0.2280]\\ 0.3333 & [0.3111; 0.3562]\\ 0.2629 & [0.2217; 0.3074]\\ 0.4611 & [0.4258; 0.4967]\\ 0.4611 & [0.4258; 0.4967]\\ 0.4611 & [0.4258; 0.4967]\\ 0.2762 & [0.6802; 0.7688]\\ 0.7660 & [0.6674; 0.8471]\\ 0.6667 & [0.6144; 0.7160]\\ 0.3352 & [0.3077; 0.3741]\\ 0.4251 & [0.3627; 0.4894]\\ 0.2218 & [0.3627; 0.4894]\\ 0.2218 & [0.3627; 0.4894]\\ 0.4251 & [0.3627; 0.4894]\\ 0.4251 & [0.3627; 0.4894]\\ 0.4251 & [0.3627; 0.5780]\\ 0.4835 & [0.4229; 0.5445]\\ 0.4535 & [0.4229; 0.5445]\\ 0.4251 & [0.4157; 0.4346]\\ 0.4841 & [0.4002; 0.5685]\\ \end{array}$	0.0% 0.1% 0.0% 0.0% 0.1% 0.3% 0.1% 0.1% 0.0% 0.1% 0.0% 0.1% 0.0% 0.1% 0.0% 0.1% 0.2% 0.2% 0.0%	0.5% 0.5% 0.5% 0.5% 0.5% 0.5% 0.5% 0.5%

Figure S9. Forest plot of pooled anti-HEV IgG seroprevalence among different population

Study	Events	Total	Proportion	95%-CI	Weight (common)	Weight (random)
population = The Gen	eral Popul	ation 5012	* 0.0053	0 0034 0 00761	0 40/	0 00/
Bil -2008	20	1001	0.0052	[0.0034, 0.0076]	0.4%	0.8%
Cao HJ-2004	43	1934	0.0222	[0.0161; 0.0298]	0.1%	0.8%
Zhang MM-2013	3	835	0.0036	[0.0007; 0.0105]	0.1%	0.7%
Chen JP-2014 Chen JZ 2014	2	8697	0.0002	[0.0000; 0.0008]	0.7%	0.8%
Chen JZ-2014	11	21612	0.0004	[0.0002, 0.0009]	1.1%	0.8%
Chen K-2106	79	10156	+ 0.0078	[0.0062; 0.0097]	0.8%	0.8%
Jiang RJ-2006	17	1084	- 0.0157	[0.0092; 0.0250]	0.1%	0.8%
Xu LL-2016 Duan 71 2014	1	3225	0.0003	[0.0000; 0.0017]	0.2%	0.8%
Gao YP-2013	20	26780	0.0007	[0.0005; 0.0023]	2.1%	0.8%
Ge SX-2006	108	4110	+ 0.0263	[0.0216; 0.0316]	0.3%	0.8%
Gong Q-2012	45	10220	• 0.0044	[0.0032; 0.0059]	0.8%	0.8%
Guo QL-2011 Wang X L 2018	2	31696	0.0083	[0.0010; 0.0298]	2.4%	0.6%
Han XX-2010	6	11362	0.0002	[0.0002; 0.0011]	0.9%	0.8%
Yao MF-2007	35	1316	<u>→</u> 0.0266	[0.0186; 0.0368]	0.1%	0.8%
Wang FD-2004	26	850	0.0306	[0.0201; 0.0445]	0.1%	0.7%
Jiang 1-2018	26	11/61	0.0027	[0.0017; 0.0039]	0.8%	0.8%
Kong P-2013	22	33211	0.0007	[0.0004; 0.0010]	2.5%	0.8%
Bo QN-2019	17	836	0.0203	[0.0119; 0.0324]	0.1%	0.7%
Li SB-2010	4	76654	0.0001	[0.0000; 0.0001]	5.9%	0.8%
LI WJ-2007	5	1553	0.0032	[0.0010; 0.0075]	0.1%	0.8%
Li YH-2021	36	25098	0.0014	[0.0010; 0.0020]	1.9%	0.8%
Li TQ-2016	37	8257	• 0.0045	[0.0032; 0.0062]	0.6%	0.8%
Lin Q-2012	4	5681	0.0007	[0.0002; 0.0018]	0.4%	0.8%
Liu E 2018	33	40182	0.0008	[0.0006; 0.0012]	3.1%	0.8%
Liu JY-2016	3	2127	0.0014	[0.0003; 0.0014]	0.2%	0.8%
Liu K-2009	1	939	0.0011	[0.0000; 0.0059]	0.1%	0.8%
Liu XG-2007	5	300	0.0167	[0.0054; 0.0385]	0.0%	0.7%
Liu Y-2013	115	25391	0.0045	[0.0037; 0.0054]	1.9%	0.8%
Ma SB-2014	11	5639	0.0022	[0.0010; 0.0035]	0.4%	0.8%
Ma XL-2015	12	3707	0.0032	[0.0017; 0.0056]	0.3%	0.8%
Zhang LF-2003	19	2223	+ 0.0085	[0.0052; 0.0133]	0.2%	0.8%
Qiu SH-2013	27	27977	0.0006	[0.0002, 0.0012] [0.0006; 0.0014]	2.1%	0.8%
Shao HW-2009	1	648	0.0015	[0.0000; 0.0086]	0.0%	0.7%
Sun C-2016	214	128833	0.0017	[0.0014; 0.0019]	9.9%	0.8%
Sun JW-2009	65	3994	+ 0.0163	[0.0126; 0.0207]	0.3%	0.8%
Tian GJ-2007	13	288		[0.0243: 0.0760]	0.0%	0.6%
Wang DM-2016	2	1000	0.0020	[0.0002; 0.0072]	0.1%	0.8%
Wang JF-2021	29	11917	0.0024	[0.0016; 0.0035]	0.9%	0.8%
Wang LP-2013 Wang XH 2018	10	36152	0.0004	[0.0002, 0.0007]	2.8%	0.8%
Wu ZT-2013	14	4441	0.0032	[0.0017; 0.0053]	0.3%	0.8%
Wu ZH-2017	55	32120	0.0017	[0.0013; 0.0022]	2.5%	0.8%
Wu JY-2017	11	1459	0.0048	[0.0019; 0.0099]	0.1%	0.8%
Xiao 7Y-2016	32	8952	0.0036	[0.0074, 0.0201]	0.7%	0.8%
Xing Y-2016	164	95217	0.0017	[0.0015; 0.0020]	7.3%	0.8%
Xu WL-2018	21	15897	0.0013	[0.0008; 0.0020]	1.2%	0.8%
Yang XY-2016 Yuan 77,2022	26	122/1	0.0021	[0.0014; 0.0031]	0.9%	0.8%
Zhang P-2015	3	1195	- 0.0025	[0.0005; 0.0073]	0.1%	0.8%
Zhang WS-2012	3	6456	0.0005	[0.0001; 0.0014]	0.5%	0.8%
Zhang XF-2007	103	4139	+ 0.0249	[0.0204; 0.0301]	0.3%	0.8%
Zhao JN-2012	8 10	10000	0.0245	[0.0106; 0.0476]	0.0%	0.7%
Zheng RD-2013	0	850	0.0000	[0.0000; 0.0043]	0.1%	0.7%
Zheng Y-2015	21	26583	0.0008	[0.0005; 0.0012]	2.0%	0.8%
Zheng Y-2014	124	118253	0.0010	[0.0009; 0.0013]	9.1%	0.8%
Cong W-2014	35	965	0.0363	[0.0254: 0.0501]	0.1%	0.8%
Dong C-2012	4	14208	0.0003	[0.0001; 0.0007]	1.1%	0.8%
Feng Y-2018	80	1912	0.0418	[0.0333; 0.0518]	0.1%	0.8%
Geng Y-2019 Gu G-2015	5	421	0.0119	[0.0039; 0.0275]	0.0%	0.7%
Huang F-2015	5	114	0.0439	[0.0144; 0.0994]	0.0%	0.5%
Li H-2021	11	6269	0.0018	[0.0009; 0.0031]	0.5%	0.8%
Li W-2011	11	173	0.0636	[0.0322; 0.1109]	0.0%	0.6%
Ma Z-2010	g	2090	- 0.0000	[0.0020: 0.0126]	0.0%	0.6%
Rui Z-2018	0	208	0.0000	[0.0000; 0.0176]	0.0%	0.6%
Shu Y-2019	22	1232	0.0179	[0.0112; 0.0269]	0.1%	0.8%
Wang Y-2018	10	1475	0.0068	[0.0033; 0.0124]	0.1%	0.8%
Zhang W-2009	29	1476	0.0103	[0.0120; 0.0207]	0.3%	0.8%
Liu XJ-2008	11	502	0.0219	[0.0110; 0.0389]	0.0%	0.7%
Common effect model	l l	1102600	0.0010	[0.0010; 0.0011]	84.7%	
Heterogeneity 12 - 07%	$T^2 = 0.0027$	n = 0	0.0049	[0.0033; 0.0067]		64.6%
natorogeneity. r = 0170,	0.0021	P = 0				

n an ulation a Oceanation	al Denulation		
population = Occupation	al Population	0.0040 10.0004 0.00741 0.00	0.00/
BI L-2008	1 203		0.6%
Cao HJ-2004	0 300	0.0169 [0.0062, 0.0363] 0.0%	0.7%
Cao HJ-2004	5 189	0.0265 [0.0086; 0.0607] 0.0%	0.6%
Liu K-2009	0 426	0.0000 [0.0000; 0.0086] 0.0%	0.7%
Liu XG-2007	32 785	0.0408 [0.0280; 0.05/1] 0.1%	0.7%
Shao HW-2009	3 182	0.0165 [0.0034; 0.0474] 0.0%	0.6%
Sun JW-2009	7 1500	0.0047 [0.0019; 0.0096] 0.1%	0.8%
Geng Y-2019	5 75	0.0667 [0.0220; 0.1488] 0.0%	0.4%
Shu Y-2019	8 273	0.0293 [0.0127; 0.0569] 0.0%	0.6%
Yu Y-2009	6 985	0.0061 [0.0022; 0.0132] 0.1%	0.8%
Common effect model	4974	0.0102 [0.0074; 0.0134] 0.4%	
Random effects model		0.0147 [0.0057; 0.0274]	6.4%
Heterogeneity: $I^2 = 87\%$, $\tau^2 =$	= 0.0038, <i>p</i> < 0.01		
population = Volunteer E	Blood Donors		0.001
Cheng WG-2006	66 8213	0.0080 [0.0062; 0.0102] 0.6%	0.8%
You QZ-2019	42 5552	0.0076 [0.0055; 0.0102] 0.4%	0.8%
Ge SX-2006	154 10574	* 0.0146 [0.0124; 0.0170] 0.8%	0.8%
Huang GY-2009	28 1516	0.0185 [0.0123; 0.0266] 0.1%	0.8%
Huang XY-2012	37 2250	+ 0.0164 [0.0116; 0.0226] 0.2%	0.8%
Li W-2018	167 10008	+ 0.0167 [0.0143; 0.0194] 0.8%	0.8%
Liu XG-2007	14 500	0.0280 [0.0154; 0.0465] 0.0%	0.7%
Sang LY-2007	50 3701	+ 0.0135 [0.0100; 0.0178] 0.3%	0.8%
Yan GX-2004	46 3047	+ 0.0151 [0.0111; 0.0201] 0.2%	0.8%
Yang LL-2015	73 3654	+ 0.0200 [0.0157; 0.0251] 0.3%	0.8%
Yu Q-2022	10 1076	0.0093 [0.0045; 0.0170] 0.1%	0.8%
Zhang LM-2017	6 739	0.0081 [0.0030; 0.0176] 0.1%	0.7%
Chen X-2019	43 4044	0.0106 [0.0077; 0.0143] 0.3%	0.8%
Fu P-2021	21 1864	0.0113 [0.0070; 0.0172] 0.1%	0.8%
Guo QS-2010	420 44816	0.0094 [0.0085; 0.0103] 3.4%	0.8%
Ren F-2013	109 10741	0.0101 [0.0083; 0.0122] 0.8%	0.8%
Tsoi WC-2020	16 2000	+ 0.0080 [0.0046; 0.0130] 0.2%	0.8%
Wang M-2017	60 4046	- 0.0148 [0.0113; 0.0190] 0.3%	0.8%
Wen GP-2018	38 5345	0.0071 [0.0050; 0.0097] 0.4%	0.8%
Common effect model	123686	0.0109 [0.0104; 0.0115] 9.5%	
Random effects model		0.0122 [0.0103: 0.0142]	14.9%
Heterogeneity: $I^2 = 86\%$, $\tau^2 =$	= 0.0003, <i>p</i> < 0.01		
population = hospital att	endees		0.70
Fang Y-2003	12 503	0.0239 [0.0124; 0.0413] 0.0%	0.7%
Gu YF-2018	227 6772	+ 0.0335 [0.0294; 0.0381] 0.5%	0.8%
Guo MY-2007	19 26181	0.0007 [0.0004; 0.0011] 2.0%	0.8%
Hu AQ-2010	8 2019	0.0040 [0.0017; 0.0078] 0.2%	0.8%
Tan PY-1999	124 <u>15</u> 31	0.0810 [0.0678; 0.0958] 0.1%	0.8%
Xie SF-2014	144 2614	0.0551 [0.0467; 0.0645] 0.2%	0.8%
Wang Y-2018	6 1117	0.0054 [0.0020; 0.0117] 0.1%	0.8%
Xue Y-2013	5 269	0.0186 [0.0061; 0.0428] 0.0%	0.6%
Zhang L-2018	17 2048	0.0083 [0.0048; 0.0133] 0.2%	0.8%
Common effect model	43054	0.0063 [0.0056; 0.0071] 3.3%	
Random effects model Heterogeneity $I^2 = 99\% r^2$	-0.0073 n < 0.01	0.0193 [0.0066; 0.0383]	6.8%
negulation = Decomposition	lomon		
Zhou V 2015	12 012	0.0142 [0.0076: 0.0040] 0.40/	0 70/
Ro ON 2010	22 064		0.7%
Cong W 2014	33 804		0.1%
Cung W-2014	20 990		0.8%
Gu G-2015	3 497		0.1%
Huang F-2013	4 293		0.0%
Huang F-2015	10 2/4		0.0%
LI M-2020	42 946		0.8%
Ma XX-2021	21 3278	0.0064 [0.0040; 0.0098] 0.3%	0.8%
Qian Z-2022	50 19/62	0.0025 [0.0019; 0.0033] 1.5%	0.8%
Rui Z-2018	8 225	0.0356 [0.0155; 0.0689] 0.0%	0.6%
Common effect model	28041	0.0047 [0.0038; 0.0056] 2.2%	-
Random effects model		0.0187 [0.0097; 0.0305]	7.2%
Heterogeneity: $I^2 = 96\%$, $\tau^2 =$	= 0.0032, <i>p</i> < 0.01		
Common effect model	1302355	0.0017 [0.0016; 0.0018] 100.0%	
Random effects model		<u></u> 0.0079 [0.0061; 0.0099]	100.0%
2 2			
Heterogeneity: I^2 = 98%, τ^2 = Test for subgroup difference	= 0.0034, p = 0 s (common effect):	0.02 0.06 0.1 0.12 $\gamma_{*}^{2} = 2464.46. df = 4 (p = 0)$	
Test for subgroup difference	s (random effects):	$\chi_4^2 = 36.43$, df = 4 ($p < 0.01$)	

Figure S10. Forest plot of pooled anti-HEV IgM seroprevalence among different population

Study	Events	Total			Proportion	95%-CI	(common)	(random)
Gender = Male	122	334			0 3653	0 3144: 0 41771	0.2%	0.8%
Ai X-2009	2739	5243			0.5224	[0.5089; 0.5359]	2.9%	0.8%
Bi L-2008 Cao H-L-2004	356	522		-	0.1226	[0.0958; 0.1522]	0.3%	0.8%
Chen XM-2014	108	346			0.3121	[0.2643; 0.3620]	0.2%	0.8%
Ning LE-2008 Chen YZ-2006	664 139	1/51 488			0.3792	[0.3566; 0.4021]	1.0%	0.8%
Du L-2013	4	148	+		0.0270	[0.0058; 0.0606]	0.1%	0.8%
Gu HY-2013 Yao XF-2013	205	1984	÷		0.1033	[0.0903; 0.1171]	1.1%	0.8%
Wu Y-2016	207	960	-		0.2156	[0.1902; 0.2422]	0.5%	0.8%
Huang SY-2020	320	241		-	0.1411	[0.4981, 0.5775]	0.3%	0.8%
Huang SM-2017	50	1590	£3		0.0314	[0.0234; 0.0406]	0.9%	0.8%
Zheng YJ-2005	176	248			- 0.7097	[0.6515; 0.7646]	0.1%	0.8%
Kong DG-2017	379	1636	-		0.2317	[0.2115; 0.2524]	0.9%	0.8%
Li MY-2008	126	426		—	0.2958	[0.2533; 0.3401]	0.2%	0.8%
Li WJ-2007 Li YB-2004	156	727	+		0.2146	[0.1855; 0.2452]	0.4%	0.8%
Wang HR-2007	185	772		6	0.2396	[0.2102; 0.2704]	0.4%	0.8%
Liu JY-2016 Liu K-2009	28	1091 497	*		0.0257	[0.0170; 0.0360]	0.6%	0.8%
Yu LM-2001	19	160		10 mm	0.1187	[0.0727; 0.1739]	0.1%	0.8%
Lu YH-2006	229	327			0.7003	[0.6494; 0.7488]	0.5%	0.8%
Nong CS-2007	93	187			0.4973	[0.4257; 0.5691]	0.1%	0.8%
Wang DM-2016	242	265	+		0.0189	[0.0053; 0.0394]	0.1%	0.8%
Wang FY-1999 Wang PL-2012	19 268	283	-+		0.0671	[0.0406; 0.0995]	0.2%	0.8%
Wu JY-2017	162	1459	*		0.1110	[0.0954; 0.1277]	0.8%	0.8%
Xia XW-2015 Xiao 7B-2022	435	1678		* *	0.2592	[0.2385; 0.2805] [0.2516: 0.2896]	0.9%	0.8%
Xing XM-2011	47	261			0.1801	[0.1357; 0.2292]	0.1%	0.8%
Yang F-2012 Yang B-2013	435	1834			0.2372	[0.2180; 0.2569]	1.0%	0.8%
Yin YZ-2001	30	310			0.0968	[0.0662; 0.1324]	0.2%	0.8%
Zhang D-2022	466	2852	101		0.1541	[0.0273; 0.0406]	1.6%	0.8%
Zhong CF-2011	567	1558		-	0.3639	[0.3402; 0.3880]	0.9%	0.8%
Zhong SQ-2007 Zhu GZ-2015	1176	3810			0.3087	[0.2941; 0.3234]	2.1%	0.8%
Zhu GZ-2007	863	2518		=	0.3427	[0.3243; 0.3614]	1.4%	0.8%
Cai Y-2017	169	846	+		0.1998	[0.1735; 0.2274]	0.5%	0.8%
Chiu DM-2013 Dong C-2012	1596	255	10		0.2902	[0.2360; 0.3475]	0.1%	0.8%
Feng Y-2018	588	800			- 0.7350	[0.7038; 0.7650]	0.4%	0.8%
Jia Z-2014	1970	7996		*	0.2464	[0.0799; 0.1724]	0.1%	0.8%
Taniguchi M-2009	56	125	83		0.4480	[0.3615; 0.5361]	0.1%	0.8%
Li RC-2006	1576	3440	-	11	0.4581	[0.4415; 0.4748]	1.9%	0.8%
Liang H-2014 Liu KSH-2019	44	116 3353			0.3793	[0.2929; 0.4697] [0.3232: 0.3552]	0.1%	0.8%
Lu J-2009	941	4647	12		0.2025	[0.1911; 0.2142]	2.5%	0.8%
Wong KH-2004	69	374			0.3058	[0.2690; 0.3439]	0.3%	0.8%
Xue Y-2013 Zhang L 2018	42	149			0.2819	[0.2123; 0.3571]	0.1%	0.8%
Zhang L-2017	121	287			0.4216	[0.3650; 0.4793]	0.2%	0.8%
Zhang W-2009 Common effect model	63	779	+	a =	0.0809	[0.0627; 0.1011] [0.2456: 0.2514]	0.4%	0.8%
Random effects model	0.0400				0.2564	[0.2133; 0.3020]		50.0%
neterogeneity. 7 = 5570, t	- 0.0423,	p = 0						
Zhang ZX-2003	88	240		_ _	0.3667	[0.3067; 0.4287]	0.1%	0.8%
Ai X-2009	2849	7312	-	4	0.3896	[0.3785; 0.4008]	4.0%	0.8%
Cao HJ-2004	292	1032		+	0.2829	[0.2559; 0.3108]	0.6%	0.8%
Chen XM-2014 Ning LE 2008	173	522			0.3314	[0.2916; 0.3724]	0.3%	0.8%
Chen YZ-2006	115	596	-		0.1930	[0.1622; 0.2257]	0.3%	0.8%
Du L-2013 Gu HY-2013	300	87			0.0345	[0.0043; 0.0856]	0.0%	0.7%
Yao XF-2013	507	1288		-	0.3936	[0.3671; 0.4205]	0.7%	0.8%
Wu Y-2016 Yao MF-2007	274 309	1246	-	-	0.2199	[0.1973; 0.2433] [0.3989: 0.4719]	0.7%	0.8%
Huang SY-2020	86	407			0.2113	[0.1729; 0.2524]	0.2%	0.8%
Meng ZH-2005	223	3755	16.0		0.3887	[0.0520; 0.0672]	0.3%	0.8%
Zheng YJ-2005	143	264			0.5417	[0.4812; 0.6015]	0.1%	0.8%
Li JT-2014	72	167			0.4311	[0.3568; 0.5071]	0.1%	0.8%
Li MY-2008	42	342			0.1228	[0.0900; 0.1598]	0.2%	0.8%
Li YB-2004	235	1322	+		0.1778	[0.1576; 0.1989]	0.7%	0.8%
Wang HR-2007 Liu JY-2016	330	1437			0.2296	[0.2083; 0.2518]	0.8%	0.8%
Liu K-2009	65	442	-		0.1471	[0.1155; 0.1817]	0.2%	0.8%
Lu B-2008	35 146	473			0.1362	[0.0968; 0.1810] [0.2678; 0.3511]	0.1%	0.8%
Lu YH-2006	192	336			0.5714	[0.5181; 0.6240]	0.2%	0.8%
Sun Z-2014	229	715		-	0.4158	[0.2865; 0.3550]	0.1%	0.8%
Wang DM-2016 Wang EX 1999	23	735	*		0.0313	[0.0198; 0.0452]	0.4%	0.8%
Wang RL-2012	241	1054	3		0.2287	[0.2038; 0.2545]	0.6%	0.8%
Wu JY-2017 Xia XW-2015	148	1521	+	H	0.0973	[0.0829; 0.1127]	0.8%	0.8%
Xiao ZB-2022	645	2550		-	0.2529	[0.2363; 0.2700]	1.4%	0.8%
Xing XM-2011 Yang F-2012	138 458	551 1937		***	0.2505	[0.2151; 0.2875] [0.2178; 0.2556]	0.3%	0.8%
Yang B-2013	25	352	-+- -+-		0.0710	[0.0463; 0.1004]	0.2%	0.8%
Yu WX-2012	42	2148	101		0.0902	[0.0141; 0.0259]	1.2%	0.8%
Zhang D-2022	534	3469		1	0.1539	[0.1421; 0.1661]	1.9%	0.8%

Proportion



Figure S11. Forest plot of anti-HEV IgG prevalence by gender in the general population

Study	Evente	Total	Weigh Propertion 95% CL (common	Weight
Study	Lvents	Total		(random)
Gender = Male				
Cao HJ-2004	20	902	0.0222 [0.0136; 0.0340] 0.1%	1.1%
Zhang MM-2013	2	595	·── 0.0034 [0.0004; 0.0121] 0.1%	1.0%
Chen JP-2014	0	3317	0.0000 [0.0000; 0.0011] 0.5%	1.3%
Chen JZ-2014	6	5349	0.0011 [0.0004; 0.0024] 0.8%	1.3%
Chen JZ-2015	9	7896	0.0011 [0.0005; 0.0022] 1.2%	1.4%
Chen K-2106	44	5386	+ 0.0082 [0.0059; 0.0110] 0.8%	1.3%
Jiang RJ-2006	6	488	0.0123 [0.0045; 0.0266] 0.1%	1.0%
Xu LL-2016	1	1595	0.0006 [0.0000; 0.0035] 0.2%	1.2%
Duan ZJ-2014	3	4016	0.0007 [0.0002; 0.0022] 0.6%	1.3%
Gao YP-2013	11	16541	0.0007 [0.0003; 0.0012] 2.5%	1.4%
Gong Q-2012	25	6037	* 0.0041 [0.0027; 0.0061] 0.9%	1.3%
Guo QL-2011	2	240		0.7%
Han XX-2010	2	3470	0.0006 [0.0001; 0.0021] 0.5%	1.3%
Yao MF-2007	13	606	0.0215 [0.0115; 0.0364] 0.1%	1.0%
Jiang T-2018	8	4389	0.0018 [0.0008; 0.0036] 0.7%	1.3%
Kong P-2013	9	13316	0.0007 [0.0003; 0.0013] 2.0%	1.4%
Li WJ-2007	2	727	0.0028 0.0003 0.0099 0.1%	1.1%
Li XJ-2019	28	7724	* 0.0036 [0.0024; 0.0052] 1.2%	1.4%
Li TQ-2016	3	2757	0 0011 10 0002 0 00321 0 4%	1.3%
L in Q-2012	3	3946	0 0008 [0 0002 0 0022] 0 6%	1.3%
Liu E-2018	2	4345	0 0005 [0 0001: 0 0017] 0 7%	1.3%
Liu JY-2016	1	1091	- 0,0009 [0,0000; 0,0051] 0,2%	1.2%
Luo Y-2011	2	3470	0.0006 [0.0001; 0.0021] 0.5%	1.3%
Ma XI -2015	9	2248	+ 0.0040 [0.0018: 0.0076] 0.3%	1 3%
Nong HY-2013	2	3544	0.0006 [0.0001; 0.0020] 0.5%	1.3%
Sun C2016	133	62758	0.0021 [0.0018: 0.0025] 9.4%	1.4%
Tian G.I.2007	7	148		0.6%
Wang DM-2016	0	265		0.8%
Wang JE-2021	21	5379	+ 0.0039 [0.0024 0.0060] 0.8%	1 3%
Wang I P-2013	5	9672	0.0005 [0.0022, 0.0012] 1.5%	1.0%
Wang XH 2018	26	17071	0.0015 [0.0012] 2.6%	1.4%
Wu 7T-2013	20	1360		1.4%
Wu 7H-2017	3	13684	0.0002 [0.0000; 0.0010] 2.1%	1.4%
Wu IV 2017	5	1450	← 0.0034_[0.0000] 2.17	1.470
Viao 7V 2016	11	3123		1 20/
XIII 2019	10	7120	- 0.0035 [0.0015; 0.0040] 1.10/	1 40/
Zhang WS 2012	10	2472		1.470
Zhang W3-2012	G	2412		1.3%
Zhang V 2015	0	10000		1.3%
Zheng V 2010	0	10900		1.4%
Zheng 1-2014	40	44002		1.4%
Common enect mode	1	280346		40 50/
reandom effects mode	2 0.0000		0.0020 [0.0012; 0.0031] -	49.5%
Heterogeneity: $\Gamma = 89\%$,	τ = 0.0008,	p < 0.01		

0 1 5		ŝ						
Gender = Female	22	1022			0 0000	10 04 42: 0 02221	0.29/	4 40/
Cao HJ-2004	23	10.52			0.0223	[0.0142, 0.0333]	0.2%	1.170
Chap ID 2014	2	E200 -			0.0042	[0.0001, 0.0230]	0.0%	1 20/
Chen 17 2014	2	0000			0.0004	[0.0000, 0.0013]	1.20/	1.3%
Chen 17 2014	0	0920			0.0000	[0.0000, 0.0004]	1.3%	1.470
Chen IZ-2015	2	13/10			0.0001		2.1%	1.4%
Chen K-2106	30	4//0	-		0.0073		0.1%	1.3%
Jiang RJ-2006	11	090			0.0185	[0.0092; 0.0328]	0.1%	1.0%
XULL-2016	0	1030			0.0000	[0.0000, 0.0023]	0.2%	1.2%
Duan ZJ-2014	12	6/8/			0.0018	[0.0009; 0.0031]	1.0%	1.4%
Gao YP-2013	9	10239			0.0009	[0.0004; 0.0017]	1.5%	1.4%
Gong Q-2012	20	4183	-		0.0048	[0.0029; 0.0074]	0.6%	1.3%
Han XX-2010	4	7892			0.0005	[0.0001; 0.0013]	1.2%	1.4%
Yao MF-2007	22	/10			0.0310	[0.0195; 0.0465]	0.1%	1.1%
Jiang 1-2018	18	5388			0.0033	[0.0020; 0.0053]	0.8%	1.3%
Kong P-2013	13	19895			0.0007	[0.0003; 0.0011]	3.0%	1.4%
Bo QN-2019	1/	836			0.0203	[0.0119; 0.0324]	0.1%	1.1%
Li WJ-2007	3	826			0.0036	[0.0007; 0.0106]	0.1%	1.1%
Li XJ-2019	27	8288	•		0.0033	[0.0021; 0.0047]	1.2%	1.4%
Li TQ-2016	10	5500			0.0018	[0.0009; 0.0033]	0.8%	1.3%
Lin Q-2012	1	1735			0.0006	[0.0000; 0.0032]	0.3%	1.2%
Liu F-2018	4	5184			0.0008	[0.0002; 0.0020]	0.8%	1.3%
Liu JY-2016	2	1036	-		0.0019	[0.0002; 0.0070]	0.2%	1.2%
Luo Y-2011	4	7892			0.0005	[0.0001; 0.0013]	1.2%	1.4%
Ma XL-2015	3	1459	-		0.0021	[0.0004; 0.0060]	0.2%	1.2%
Nong HY-2013	5	8394			0.0006	[0.0002; 0.0014]	1.3%	1.4%
Sun C-2016	83	66075			0.0013	[0.0010; 0.0016]	9.9%	1.4%
Tian GJ-2007	6	140			0.0429	[0.0159; 0.0909]	0.0%	0.5%
Wang DM-2016	2	735	-		0.0027	[0.0003; 0.0098]	0.1%	1.1%
Wang JF-2021	8	6538			0.0012	[0.0005; 0.0024]	1.0%	1.4%
Wang LP-2013	5	15508 🕸			0.0003	[0.0001; 0.0008]	2.3%	1.4%
Wang XH-2018	15	19081			8000.0	[0.0004; 0.0013]	2.9%	1.4%
Wu ZT-2013	10	3081	-		0.0032	[0.0016; 0.0060]	0.5%	1.3%
Wu ZH-2017	3	18436			0.0002	[0.0000; 0.0005]	2.8%	1.4%
Wu JY-2017	2	1521			0.0013	[0.0002; 0.0047]	0.2%	1.2%
Xiao ZY-2016	22	5829			0.0038	[0.0024; 0.0057]	0.9%	1.3%
Xu WL-2018	42	8769	+		0.0048	[0.0035; 0.0065]	1.3%	1.4%
Zhang WS-2012	2	3984			0.0005	[0.0001; 0.0018]	0.6%	1.3%
Zhao JN-2017	4	8000			0.0005	[0.0001; 0.0013]	1.2%	1.4%
Zheng Y-2015	15	15603			0.0010	[0.0005; 0.0016]	2.3%	1.4%
Zheng Y-2014	78	73401			0.0011	[0.0008; 0.0013]	11.0%	1.4%
Common effect model		379235			0.0008	[0.0007: 0.0010]	57.0%	
Random effects model		ŝ			0.0023	[0.0012; 0.0037]		50.5%
Heterogeneity: $I^2 = 92\%$, $\tau^2 =$	= 0.0014,	<i>p</i> < 0.01						
Common effect model		665581			0.0010	[0.0009; 0.0011]	100.0%	
Random effects model		i F	<u> </u>	ii	0.0022	[0.0014; 0.0030]		100.0%
Heterogeneity: $I^2 = 91\%$, $\tau^2 =$	= 0.0011,	p < 0.010	0.02 0.04	0.06 0.08				

Heterogeneity: $t^2 = 91\%$, $t^2 = 0.0011$, p < 0.01 0.02 0.04 0.06 0.08 Test for subgroup differences (common effect): $\chi_{\frac{1}{2}}^2 = 17.21$, df = 1 (p < 0.01) Test for subgroup differences (random effects): $\chi_{\frac{1}{2}}^2 = 0.05$, df = 1 (p = 0.82)

Figure S12. Forest plot of anti-HEV IgM prevalence by gender in the general population

							Weight	Weight
Study	Events	Total			Proportion	95%-CI	(common)	(random)
Gender = Male			T.					
Huang GY-2009	669	1827			0.3662	[0.3440; 0.3887]	5.9%	6.4%
Wang L-2013	1152	2780			0.4144	[0.3960; 0.4330]	8.5%	6.4%
Zhang LM-2017	63	487			0.1294	[0.1009; 0.1625]	3.2%	6.3%
Chen X-2019	568	2774			0.2048	[0.1899; 0.2203]	12.7%	6.4%
Ma L-2015	50	183			0.2732	[0.2101; 0.3439]	0.7%	5.7%
Ren F-2013	1856	6044			0.3071	[0.2955; 0.3189]	21.1%	6.5%
Tsoi WC-2020	188	1040			0.1808	[0.1578; 0.2055]	5.2%	6.4%
Zhuang W-2014	90	356			0.2528	[0.2085; 0.3013]	1.4%	6.1%
Common effect model		15491		>	0.2838	[0.2768; 0.2908]	58.7%	
Random effects mode	l				0.2663	[0.1993; 0.3334]		50.2%
Heterogeneity: $I^2 = 99\%$, τ	² = 0.0091	, p < 0.0	(
Gender = Female								
Huang GY-2009	244	1217			0.2005	[0.1783; 0.2241]	5.6%	6.4%
Wang L-2013	636	1616			0.3936	[0.3696; 0.4179]	5.0%	6.4%
Zhang LM-2017	32	252			0.1270	[0.0885; 0.1745]	1.7%	6.2%
Chen X-2019	231	1270			0.1819	[0.1610; 0.2042]	6.3%	6.4%
Ma L-2015	37	183			0.2022	[0.1465; 0.2677]	0.8%	5.9%
Ren F-2013	891	3675			0.2424	[0.2287; 0.2566]	14.9%	6.4%
Tsoi WC-2020	127	960			0.1323	[0.1115; 0.1554]	6.2%	6.4%
Zhuang W-2014	23	130			0.1769	[0.1156; 0.2535]	0.7%	5.7%
Common effect model		9303	\diamond		0.2227	[0.2143; 0.2310]	41.3%	
Random effects mode	L.				0.2080	[0.1483; 0.2677]		49.8%
Heterogeneity: $I^2 = 98\%$, τ	² = 0.0071	, <i>p</i> < 0.0						
Common effect model		24794	•		0.2585	[0.2532; 0.2639]	100.0%	-
Random effects mode					0.2373	[0.1915; 0.2830]		100.0%
Heterogeneity: $I^2 = 98\%$, τ	² = 0.0084	, p < 0.00	1.1 0.15 0.2 0.25	0.3 0.35 0.4				
Test for subgroup differen	ces (comn	non effec	t): $\chi_1^2 = 121.91$, df =	1 (p < 0.01)				
Test for subgroup differen	ces (rando	m effects	s): $\chi_1^2 = 1.62$, df = 1	(p = 0.20)				

Figure S13. Forest plot of anti-HEV IgG prevalence by gender in volunteer blood donors

						Weight	Weight
Study	Events	Total	P	roportion	95%-CI	(common)	(random)
Gender = Male							
Cheng WG-2006	35	4123		0.0085	[0.0059; 0.0118]	0.7%	7.2%
Huang GY-2009	17	1827	· · · · · · · · · · · · · · · · · · ·	0.0093	[0.0054; 0.0149]	0.3%	6.2%
Zhang LM-2017	6	487	5	0.0123	[0.0045; 0.0266]	0.1%	3.2%
Chen X-2019	31	2774		0.0112	[0.0076; 0.0158]	0.4%	6.5%
Guo QS-2010	18	25599		0.0007	[0.0004; 0.0011]	51.8%	8.0%
Ren F-2013	63	6044		0.0104	[0.0080; 0.0133]	0.9%	7.3%
Tsoi WC-2020	7	1040		0.0067	[0.0027; 0.0138]	0.2%	5.8%
Wang M-2017	27	2060	10 10 10 10 10 10 10 10 10 10 10 10 10 1	0.0131	[0.0087; 0.0190]	0.2%	5.9%
Common effect model		43954		0.0012	[0.0008; 0.0015]	54.5%	
Random effects model				0.0086	[0.0052; 0.0119]		50.2%
Heterogeneity: $I^2 = 95\%$, τ^2	² = < 0.001	01, <i>p</i> < 0.0	1				
Gender = Female							
Cheng WG-2006	31	4090		0.0076	[0.0052; 0.0107]	0.8%	7.3%
Huang GY-2009	11	1217	6	0.0090	[0.0045; 0.0161]	0.2%	5.6%
Zhang LM-2017	0	252 ⊢		0.0000	[0.0000; 0.0145]	0.2%	5.6%
Chen X-2019	12	1270		0.0094	[0.0049; 0.0164]	0.2%	5.6%
Guo QS-2010	12	19217		0.0006	[0.0003; 0.0011]	43.2%	8.0%
Ren F-2013	34	3675		0.0093	[0.0064; 0.0129]	0.6%	7.0%
Tsoi WC-2020	9	960		0.0094	[0.0043; 0.0177]	0.1%	5.1%
Wang M-2017	33	1986		0.0166	[0.0115; 0.0233]	0.2%	5.5%
Common effect model		32667		0.0010	[0.0007; 0.0014]	45.5%	
Random effects model				0.0075	[0.0038; 0.0112]	122	49.8%
Heterogeneity: $I^2 = 94\%$, τ^2	² = < 0.000	01, p < 0.0	1				
Common effect model		76621		0.0011	[0.0009; 0.0013]	100.0%	
Random effects model		Г		0.0080	[0.0056; 0.0104]	-	100.0%
Heterogeneity: $I^2 = 94\%$. τ^2	² < 0.0001	p < 0.00	0.005 0.01 0.015 0.02 0.025				

Heterogeneity. $r = 94\%, \tau < 0.000$, p < 0.000, 0.000, 0.000, 0.010, 0.000, 0.010, 0.020, 0.010, 0.020, 0.010, 0.020, 0.010, 0.020, 0.010, 0.020, 0.010, 0.020, 0.010, 0.020, 0.010, 0.020, 0.010, 0.020, 0.010, 0.020, 0.010, 0.020, 0.010, 0.020, 0.010, 0.020, 0.010, 0.020, 0.010, 0.010, 0.020, 0.010, 0.020, 0.010, 0.020, 0.010, 0.020, 0.010, 0.020, 0.010, 0.010, 0.020, 0.010, 0.010, 0.020, 0.010, 0.020, 0.010, 0.020, 0.010, 0.010, 0.020, 0.010, 0.010, 0.020, 0.010, 0.010, 0.020, 0.010, 0.010, 0.020, 0.010, 0.010, 0.010, 0.010, 0.010, 0.010, 0.020, 0.010

Figure S14. Forest plot of anti-HEV IgM prevalence by gender in volunteer blood donors

Study	Events	Total	Proportion	95%-CI (Weight common)	Weight (random)
A = 0.9		1				
AYiGuLi-2010	0	14	0.0000	[0.0000: 0.2316]	0.0%	0.4%
Ai X-2009	23	168	0.1369	[0.0888; 0.1983]	0.2%	0.4%
Shen JY-2007	15	142	0.1056	[0.0603; 0.1682]	0.2%	0.4%
Ning LF-2008	2	138 ←	0.0145	[0.0018; 0.0514]	0.2%	0.4%
Yao MF-2007	15	144	0.1042	[0.0595; 0.1660]	0.2%	0.4%
Meng ZH-2005	16	147	0.1088	[0.0635; 0.1707]	0.2%	0.4%
Li MY-2008	0	11 -	0.0000	[0.0000; 0.2849]	0.0%	0.3%
Li WJ-2007	39	418 +	0.0933	[0.0672; 0.1253]	0.5%	0.4%
Lin CY-2009	3	211 ←	0.0142	[0.0029; 0.0410]	0.3%	0.4%
Luo YX-2005	44	12/0	0.0346	[0.0253; 0.0462]	1.5%	0.4%
Sun 2-2014	9	234 +	0.0385	[0.0177; 0.0718]	0.3%	0.4%
Wang EV 1000	9	126 -	0.0375	[0.0173, 0.0700]	0.3%	0.4%
Wang 77-2007	190	213		[0.8424: 0.9303]	0.1%	0.4%
Wang RL-2012	12	102	0.1176	[0.0623: 0.1965]	0.1%	0.4%
Xia XW-2015	61	781 *	0.0781	10 0603 0 09921	0.9%	0.4%
Xiao ZB-2022	76	1128 💷	0.0674	[0.0534: 0.0836]	1.3%	0.4%
Yang F-2012	88	1181 💷	0.0745	[0.0602; 0.0910]	1.4%	0.4%
Yang B-2013	1	247 +	0.0040	[0.0001; 0.0223]	0.3%	0.4%
Yin YZ-2001	6	93	0.0645	[0.0240; 0.1352]	0.1%	0.4%
Yu DS-2011	11	384 *	0.0286	[0.0144; 0.0507]	0.5%	0.4%
Zheng SJ-2015	0	35 ·	0.0000	[0.0000; 0.1000]	0.0%	0.4%
Zhong SQ-2007	53	272	0.1949	[0.1495; 0.2470]	0.3%	0.4%
Zhu GZ-2007	1	86 ←	0.0116	[0.0003; 0.0631]	0.1%	0.4%
Zhou HF-2006	1	21 -	0.04/6	[0.0012; 0.2382]	0.0%	0.4%
Gu G-2015	2	497	0.0040	[0.0005; 0.0145]	0.6%	0.4%
Silu 1-2019	0	254	0.0315	[0.0137, 0.0611]	10.3%	0.4%
Random effects mode		0001	0.0611	[0.0359, 0.0005]	10.176	11 5%
Heterogeneity: $l^2 = 98\%$	$r^2 = 0.0471$	n < 0.01	0.0002	[0.0200, 0.1145]		11.070
Hotorogeneity. 1 00.0,	0.0111	.p. 0.01				
Age = 10-19		_				
AYiGuLi-2010	13	137	0.0949	[0.0515; 0.1568]	0.2%	0.4%
Ai X-2009	119	478 -	0.2490	[0.2108; 0.2902]	0.6%	0.4%
Shen JY-2007	34	168	0.2024	[0.1444; 0.2712]	0.2%	0.4%
Chen XM-2014	25	114	- 0.2193	[0.1472; 0.3065]	0.1%	0.4%
Ning LF-2008	1	283 *	0.0035	[0.0001; 0.0195]	0.3%	0.4%
Gu HY-2013	21	054 +	0.0413	[0.0274; 0.0595]	0.8%	0.4%
Tao AF-2013	34	102	0.2100	[0.1549, 0.2693]	0.2%	0.4%
Mong 7H 2005	38	161 -	0.2327	[0.1914, 0.3224]	0.2%	0.4%
Li MY-2008	1	48	0.0208	[0.0005: 0.1107]	0.1%	0.4%
Li WJ-2007	22	329 +	0.0669	[0 0424 0 0995]	0.4%	0.4%
Wang HR-2007	84	577 +	0.1456	[0.1178: 0.1770]	0.7%	0.4%
Lin CY-2009	19	484 *	0.0393	[0.0238; 0.0606]	0.6%	0.4%
Liu JY-2016	26	997 💷	0.0261	[0.0171; 0.0380]	1.2%	0.4%
Luo YX-2005	29	1219 💷	0.0238	[0.0160; 0.0340]	1.4%	0.4%
Sun Z-2014	20	233 -	0.0858	[0.0532; 0.1295]	0.3%	0.4%
Tian JS-2007	0	109 ⊢	0.0000	[0.0000; 0.0333]	0.1%	0.4%
Wang DM-2016	25	839 =	0.0298	[0.0194; 0.0437]	1.0%	0.4%
Wang FY-1999	6	102 -	0.0588	[0.0219; 0.1236]	0.1%	0.4%
Wang 22-2007	131	151		[0.8029; 0.9172]	0.2%	0.4%
Wally RL-2012	14	240 +	0.1111	[0.0602, 0.1466]	0.4%	0.4%
Via VW 2015	80	605 #	0.0303	[0.0323, 0.0933]	0.3%	0.4%
Yang B-2013	4	116 +	0.0345	[0.0095: 0.0859]	0.1%	0.4%
Yin YZ-2001	3	85 -	0.0353	0.0073 0.09971	0.1%	0.4%
Yu DS-2011	34	610 +	0.0557	[0.0389: 0.0770]	0.7%	0.4%
Zheng SJ-2015	2	21	- 0.0952	[0.0117; 0.3038]	0.0%	0.4%
Zhong SQ-2007	62	161	0.3851	[0.3096; 0.4649]	0.2%	0.4%
Zhu GZ-2007	3	267 +	0.0112	[0.0023; 0.0325]	0.3%	0.4%
Zhou HF-2006	2	31	0.0645	[0.0079; 0.2142]	0.0%	0.4%
Ma XX-2021	13	290 +	0.0448	[0.0241; 0.0754]	0.3%	0.4%
Common effect model		10199	0.0729	[0.0678; 0.0781]	12.1%	
Random effects mode	2-00171	0	0.1005	[0.0578; 0.1529]	11 Mar	13.4%
meterogeneity: $I = 98\%$, γ	c = 0.0471	, p < 0.01				

		11		
Age = 20-29 Ai X-2009 Shen JY-2007 Chen XM-2014 Ning LF-2008 Gu HY-2013 Yao MF-2013 Yao XF-2013 Yao XF-2013 Yao MF-2005 Li WJ-2006 Li WJ-2007 Wang HR-2007 Liu JY-2016 Liu X-2009 Liu JY-2016 Liu X-2009 Liu JY-2016 Liu X-2009 Liu JY-2016 Liu X-2008 Lu H-2008 Lu H-2008 Lu H-2008 Lu Y-2016 Sun Z-2014 Tang JK-2015 Sun Z-2014 Tang JK-2015 Wang TY-1999 Wang ZZ-2007 Wang K-2012 Yang X-2011 Yang F-2012 Yang X-2011 Yang S-2011 Zheng SJ-2015 Zhong SQ-2007 Zhou HF-2008 Common effect model Random effects model Heterogenety: J ² = 98%, τ ²	$\begin{array}{cccccccccccccccccccccccccccccccccccc$		0.3133 [0.2830; 0.3448] 0.3371 [0.2676; 0.4124] 0.2183 [0.1717; 0.2709] 0.0723 [0.0473; 0.1048] 0.0548 [0.475; 0.0628] 0.3548 [0.475; 0.0628] 0.3947 [0.3165; 0.4772] 0.4057 [0.3113; 0.5054] 0.1013 [0.0447; 0.1898] 0.1048 [0.0535; 0.1797] 0.2425 [0.2112; 0.2760] 0.0412 [0.0266; 0.0606] 0.0274 [0.0187; 0.0387] 0.2414 [0.1743; 0.3194] 0.1261 [0.0861; 0.1760] 0.4286 [0.3290; 0.5325] 0.5500 [0.3153; 0.7694] 0.4286 [0.0525; 0.1799] 0.2695 [0.2162; 0.3283] 0.4717 [0.0495; 0.3168] 0.417 [0.0137; 0.0946] 0.0186 [0.0039; 0.0168] 0.4186 [0.0039; 0.0343] 0.417 [0.1137; 0.0946] 0.1865 [0.1229; 0.1565] 0.5650 [0.1229; 0.1565] 0.5650 [0.1229; 0.1561] 0.733 [0.0372; 0.1274] 0.1034 [0.0219; 0.2735] 0.3415 [0.1638; 0.5727] 0.3488 [0.0928; 0.3971] 0.4265 [0.1208; 0.1325] 0.5115 [0.4226; 0.5997] 0.4265 [0.1208; 0.1325] 0.1306 [0.1275; 0.2499]	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
Age = 30-39 Ai X-2009 Cao HJ-2004 Shen JY-2007 Chen XM-2014 Ning LF-2008 Gu HY-2013 Yao XF-2013 Yao XF-2013 Yao XF-2013 Yao XF-2013 Yao XF-2013 Yao XF-2013 Kong DG-2017 Li MY-2008 Li WJ-2007 Wang HR-2007 Lin CY-2008 Lu H-2008 Lu H-2008 Lu H-2008 Lu H-2008 Lu H-2008 Lu H-2008 Lu H-2008 Lu H-2008 Lu Y-2008 Lu H-2008 Lu H-2008 Lu Y-2008 Lu H-2008 Lu Y-2008 Lu Y-2008 Lu H-2008 Lu Y-2007 Yang RL-2014 Tian JS-2007 Wang RL-2017 Xia XW-2015 Xing XM-2017 Xia XW-2015 Xing XM-2011 Yang F-2012 Yang SJ-2013 Yin YZ-2001 Yu DS-2001 Zhong SJ-2015 Zhong SQ-2007 Zhu GZ-2007 Zhu	944 2224 147 449 166 346 66 190 37 297 + 58 261 - 138 1280 = 215 480 103 193 90 186 237 547 14 99 + 86 263 55 772 * 90 129 15 111 + 89 3 + 105 223 16 101 324 60 457 74 115 57 600 * 105 223 16 8 198 236 681 58 199 245 721 - 23 166 63 357 + 14 34 16 753 * 9 32 - 13526 = 0.0526, $p = 0$		$\begin{array}{c} 0.4245 & [0.4038; 0.4453] \\ 0.3274 & [0.2841; 0.3729] \\ 0.4798 & [0.4261; 0.5388] \\ 0.3474 & [0.2799; 0.4197] \\ 0.1246 & [0.0893; 0.1676] \\ 0.2222 & [0.1733; 0.2776] \\ 0.1078 & [0.0913; 0.1261] \\ 0.4033 & [0.407]; 0.4036] \\ 0.4333 & [0.407]; 0.6056] \\ 0.4333 & [0.407]; 0.6056] \\ 0.4333 & [0.4101]; 0.5581] \\ 0.4333 & [0.3913; 0.4760] \\ 0.1414 & [0.0795; 0.2259] \\ 0.3270 & [0.2706; 0.3873] \\ 0.2370 & [0.2706; 0.3873] \\ 0.2370 & [0.2246; 0.3894] \\ 0.1351 & [0.0777; 0.2131] \\ 0.506 & [0.4286; 0.5901] \\ 0.455 & [0.4286; 0.5901] \\ 0.455 & [0.4286; 0.5901] \\ 0.456 & [0.0379; 0.1625] \\ 0.0365 & [0.0379; 0.1625] \\ 0.0365 & [0.0379; 0.1625] \\ 0.0365 & [0.3870] \\ 0.3465 & [0.3196; 0.3380] \\ 0.3465 & [0.2177; 0.3653] \\ 0.3117 & [0.2647; 0.3653] \\ 0.3117 & [0.2647; 0.3653] \\ 0.3186 & [0.0899; 0.2066] \\ 0.3798 & [0.3398] & [0.3053; 0.3757] \\ 0.4418 & [0.2490; 0.1253] \\ 0.1386 & [0.0899; 0.2006] \\ 0.76471 & [0.1290; 0.1818] \\ 0.2816 & [0.1290; 0.2860; 0.2963] \\ 0.3060 & [0.2380; 0.3777] \\ 0.3060 & [0.2380; 0.3777] \\ 0.3060 & [0.2380; 0.3777] \\ 0.3060 & [0.2380; 0.3777] \\ 0.3060 & [0.2380; 0.3777] \\ 0.3060 & [0.2380; 0.3777] \\ 0.3060 & [0.2380; 0.3777] \\ 0.3060 & [0.2380; 0.3777] \\ 0.3060 & [0.2380; 0.3777] \\ 0.3060 & [0.2380; 0.3777] \\ 0.3060 & [0.2380; 0.3777] \\ 0.3060 & [0.2380; 0.3777] \\ 0.3060 & [0.2380; 0.3777] \\ 0.3060 & [0.2380; 0.3777] \\ 0.3060 & [0.2380; 0.3777] \\ 0.3060 & [0.23$	26% 0.4 0.5% 0.4 0.2% 0.4 0.2% 0.4 0.3% 0.4 1.5% 0.4 0.6% 0.4 0.2% 0.4 0.6% 0.4 0.3% 0.4 0.3% 0.4 0.3% 0.4 0.3% 0.4 0.1% 0.4 0.2% 0.4 0.1% 0.4 0.2% 0.4 0.3% 0.4 0.2% 0.4 0.2% 0.4 0.2% 0.4 0.2% 0.4 0.2% 0.4 0.2% 0.4 0.2% 0.4 0.2% 0.4 0.2% 0.4 0.2% 0.4 0.2% 0.4 0.2% 0.4 0.2% 0.4 0.9% 0.4 0.9% 0.4 0.9% 0.4 0.9% 0.4 <
Age = 40.49 Ai X-2009 Cao HJ.2004 Shen JY-2007 Chen XM-2014 Ning LF-2008 Chen YZ-2006 Gu HY-2013 Yao XF-2013 Yao XF-2013 Yao XF-2013 Yao XF-2017 Li MY-2008 Li WJ-2007 Wang HR-2007 Lin CY-2009 Liu XG-2008 Lu YJ-2008 Lu YJ-2007 Yang KZ-2007 Wang RL-2017 Xin XW-2017 Xin XW-2015 Xing XM-2011 Yang F-2012 Yang SJ-2013 Yin YZ-2001 Yu DS-2001 Zhong SJ-2015 Zhong SJ-2015 Zhong SJ-2007 Zhu GZ-2007 Zhu GZ-2007 Zhu GZ-2007 Zhu GZ-2007 Zhu GZ-2007 Zhu GZ-2008 Common effect model Random effects model Random effects model	1685 3754 178 477 239 341 82 196 95 352 76 281 110 631 * 258 460 115 199 86 155 240 490 - 93 236 81 252 111 1038 * 44 107 103 140 125 183 43 329 + 107 229 22 52 8 102 + 3 65 + 194 204 105 337 76 220 247 578 8 191 218 518 15 76 - 12 57 8 84 - 21 57 16 104 220 956 1 3 28 14027 = 0.0522, $\rho = 0$		$\begin{array}{c} 0.4489 & [0.4329; 0.4649]\\ 0.3732 & [0.3296; 0.4183]\\ 0.709 & [0.6492; 0.7490]\\ 0.4184 & [0.3485; 0.4908]\\ 0.2699 & [0.2242; 0.3195]\\ 0.2705 & [0.2194; 0.3264]\\ 0.1743 & [0.1455; 0.2062]\\ 0.5609 & [0.5142; 0.6668]\\ 0.5779 & [0.5606; 0.6474]\\ 0.5779 & [0.5606; 0.6474]\\ 0.5484 & [0.4730; 0.6346]\\ 0.4988 & [0.447; 0.5350]\\ 0.2143 & [0.1495; 0.2916]\\ 0.3341 & [0.3313; 0.4595]\\ 0.3214 & [0.2642; 0.3829]\\ 0.1689 & [0.4847; 0.5350]\\ 0.4112 & [0.3170; 0.5105]\\ 0.4764 & [0.0488; 0.1273]\\ 0.4112 & [0.3170; 0.5105]\\ 0.4672 & [0.4764; 0.6225]\\ 0.6831 & [0.6103; 0.7497]\\ 0.4672 & [0.4012; 0.5341]\\ 0.4672 & [0.4025; 0.3640]\\ 0.0784 & [0.345; 0.1487]\\ 0.0462 & [0.0096; 0.1290]\\ 0.3455 & [0.22826; 0.3460]\\ 0.3374 & [0.3279; 0.4647]\\ 0.4208 & [0.3779; 0.4647]\\ 0.4208 & [0.3779; 0.4647]\\ 0.4208 & [0.3779; 0.74843]\\ 0.2278 & [0.4265; 0.5661]\\ 0.7992 & [0.7420; 0.2781]\\ 0.3684 & [0.2445; 0.5066]\\ 0.7992 & [0.756; 0.36431]\\ 0.2301 & [0.22036; 0.2581]\\ 0.4643 & [0.2275; 0.36613]\\ 0.3375 & [0.3033; 0.4504]\\ \end{array}$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$

Age = 50-59								
Ai X-2009	1809	3695		+	0.4896	[0.4733; 0.5058]	4.4%	0.4%
Cao HJ-2004	88	195			0.4513	[0.3801; 0.5240]	0.2%	0.4%
Shen JY-2007	135	232			0.5819	[0.5156; 0.6461]	0.3%	0.4%
Chop V7 2006	529	13/5			0.3847	[0.3589, 0.4110]	1.0%	0.4%
Yao ME-2007	150	230			0.6276	[0.2730; 0.4070]	0.2%	0.4%
Kong DG-2017	224	427			0.5246	0 4760 0 5728	0.5%	0.4%
Li MY-2008	42	171	-	-	0 2456	[0 1831: 0 3172]	0.2%	0.4%
Li WJ-2007	49	125			0.3920	[0.3059; 0.4833]	0.1%	0.4%
Wang HR-2007	30	139			0.2158	[0.1506; 0.2935]	0.2%	0.4%
Lin CY-2009	80	980	÷		0.0816	[0.0653; 0.1006]	1.2%	0.4%
Liu XG-2008	41	70			0.5857	[0.4617; 0.7023]	0.1%	0.4%
Lu B-2008	71	108			0.6574	[0.5599; 0.7460]	0.1%	0.4%
Lu YH-2006	109	156			0.6987	[0.6202; 0.7695]	0.2%	0.4%
Sun Z-2014	103	191			0.5393	[0.4658; 0.6115]	0.2%	0.4%
Tang WF-2014	10	21			0.4762	[0.25/1; 0.7022]	0.0%	0.4%
Mang EV 1000	5	02			0.0464	[0.0101, 0.1330]	0.1%	0.4%
Wang 77 2007	181	202		+	0.1304	[0.0494, 0.2020]	0.1%	0.4%
Wang RI -2012	115	288			0.3993	[0.3423: 0.4584]	0.3%	0.4%
Wu JY-2017	79	240			0.3292	[0.2701: 0.3925]	0.3%	0.4%
Xia XW-2015	185	385			0.4805	[0.4296: 0.5317]	0.5%	0.4%
Yin YZ-2001	12	98			0.1224	[0.0649; 0.2041]	0.1%	0.4%
Yu DS-2011	50	228	-		0.2193	[0.1674; 0.2787]	0.3%	0.4%
Zheng SJ-2015	10	35	-	<u>, </u>	0.2857	[0.1464; 0.4630]	0.0%	0.4%
Zhong SQ-2007	126	155			0.8129	[0.7425; 0.8710]	0.2%	0.4%
Zhu GZ-2007	271	1185			0.2287	[0.2051; 0.2537]	1.4%	0.4%
Common effect model		11252			0.3978	[0.3887; 0.4070]	13.3%	
Random effects model	0.0575	0		\sim	0.4087	[0.3195; 0.5011]		11.7%
Heterogeneity. 7 – 98%, t -	- 0.0575	, p = 0						
Age = 60+								
Ai X-2009	727	1339		+	0.5429	[0.5158: 0.5699]	1.6%	0.4%
Cao HJ-2004	97	208		·	0.4663	[0.3971; 0.5366]	0.2%	0.4%
Ning LF-2008	397	770		*	0.5156	[0.4796; 0.5514]	0.9%	0.4%
Chen YZ-2006	28	91	1	<u> </u>	0.3077	[0.2151; 0.4132]	0.1%	0.4%
Du L-2013	3	86	+		0.0349	[0.0073; 0.0986]	0.1%	0.4%
Wu Y-2016	185	484		-#	0.3822	[0.3387; 0.4272]	0.6%	0.4%
Yao MF-2007	146	207			0.7053	[0.6382; 0.7665]	0.2%	0.4%
Huang SY-2020	3	220			0.3333	[0.0749; 0.7007]	0.0%	0.3%
LI MT-2008	14	220			0.3304	[0.2742, 0.4030]	0.3%	0.4%
Wang HP 2007	20	77	_		0.4603	[0.3032, 0.3974]	0.1%	0.4%
Lin CY-2009	111	801	÷		0.1246	[0.1036:0.1481]	1 1%	0.4%
Liu XG-2008	41	65			0.6308	[0.5020: 0.7472]	0.1%	0.4%
Lu B-2008	9	21		·	0.4286	[0.2182: 0.6598]	0.0%	0.4%
Lu YH-2006	90	138		—	0.6522	[0.5665; 0.7312]	0.2%	0.4%
Sun Z-2014	58	117		·	0.4957	[0.4020; 0.5897]	0.1%	0.4%
Tang WF-2014	13	20			0.6500	[0.4078; 0.8461]	0.0%	0.4%
Tian JS-2007	2	52			0.0385	[0.0047; 0.1321]	0.1%	0.4%
Wang FY-1999	1	22			0.0455	[0.0012; 0.2284]	0.0%	0.4%
Wang ZZ-2007	145	175			0.8286	[0.7644; 0.8812]	0.2%	0.4%
Wang RL-2012	13	218			0.3349	[0.2/26; 0.401/]	0.3%	0.4%
Vu DS 2011	42	331	-		0.1209	0.0930, 0.1676	0.4%	0.4%
Yu WX-2012	19	1050	53		0.0014	[0.2310, 0.3077]	1 2%	0.4%
Zhong CE-2011	112	233			0 4807	0 4150 0 54691	0.3%	0.4%
Zhong SQ-2007	105	143			0.7343	[0.6540; 0.8046]	0.2%	0.4%
Zhu GZ-2007	479	1301		*	0.3682	[0.3419; 0.3950]	1.5%	0.4%
Cai Y-2017	80	382	-+		0.2094	[0.1697; 0.2537]	0.5%	0.4%
Chiu DM-2013	70	250		1 	0.2800	[0.2253; 0.3401]	0.3%	0.4%
Feng Y-2018	328	421		+	0.7791	[0.7364; 0.8178]	0.5%	0.4%
Laniguchi M-2009	24	51			0.4706	[0.3293; 0.6154]	0.1%	0.4%
Liu KSH-2019	853	1/30		-	0.4931	[0.4692; 0.5169]	2.0%	0.4%
Lu J-2009 Shu V 2010	120	4/9			0.4014	[0.4100, 0.5072]	0.0%	0.4%
Xue Y-2013	130	16	-	4	0.4039	[0.0332, 0.4002]	0.4%	0.4%
Zhang L-2018	180	612		+	0.3088	0 2724 0 34711	0.7%	0.4%
Zhang L-2017	54	82			0.6585	0.5455; 0.75971	0.1%	0.4%
Zhang W-2009	32	431	+		0.0742	[0.0513; 0.1032]	0.5%	0.4%
Common effect model		13396		¢	0.3641	[0.3558; 0.3724]	15.9%	
Random effects model				\diamond	0.3816	[0.3054; 0.4607]		16.2%
Heterogeneity: $I^2 = 99\%$, $\tau^2 =$	= 0.0590	, p = 0						
Common effect model		84395		i.	0,2391	[0.2362: 0 2420]	100 0%	-
Random effects model				è	0.2553	[0.2246; 0.2872]		100.0%
			і Т • • •					
Heterogeneity: $I^{*} = 99\%$, τ^{2} :	= 0.0738	p = 0	U _0.2	0.4 0.6 0.8				

Test for subgroup differences (common effect): $\chi_{g}^{2} = 9184.83$, df = 6 (p = 0) Test for subgroup differences (random effects): $\chi_{g}^{2} = 104.24$, df = 6 (p < 0.01)



Study	Events	Total	Proportion	95%-CI	(common)	Weight (random)
Age = 30-39						
Cao HJ-2004	7	449	0.0156	[0.0063; 0.0319]	0.2%	1.7%
Chen JZ-2014	2	3708	0.0005	[0.0001; 0.0019]	1.9%	2.0%
Jiang RJ-2006	1	201	0.0038	[0.0001; 0.0212]	0.1%	1.5%
Yao MF-2007	10	193	0.0518	[0.0251; 0.0932]	0.1%	1.4%
Li WJ-2007	0	263	- 0.0000	[0.0000; 0.0139]	0.1%	1.5%
Li TQ-2016	6	1775	- 0.0034	[0.0012; 0.0073]	0.9%	2.0%
Sun C-2015	37	29329	0.0012	[0.0008, 0.0029]	15.1%	2.0%
Wang LP-2013	2	4399	0.0005	[0.0001; 0.0016]	2.3%	2.0%
Wu JY-2017	5	198	0.0253	[0.0082; 0.0579]	0.1%	1.4%
Zheng Y-2014	9	6214	0.0014	[0.0007; 0.0027]	3.2%	2.0%
Common effect model		52568	0.0003	[0.0004; 0.0840]	27.0%	0.9%
Random effects model			> 0.0036	[0.0003; 0.0094]	-	22.4%
Heterogeneity: $l^2 = 84\%$, τ	= 0.0032	, p < 0.01				
Age = 40-49						
Cao HJ-2004	19	477	0.0398	[0.0241; 0.0615]	0.2%	1.7%
Chen JZ-2014	2	2985	0.0007	[0.0001; 0.0024]	1.5%	2.0%
Jiang RJ-2006	12	1575	0.0427	[0.0223; 0.0734]	0.1%	1.0%
Yao MF-2007	8	199		[0.0175; 0.0777]	0.1%	1.4%
Li WJ-2007	3	236	0.0127	[0.0026; 0.0367]	0.1%	1.5%
Li TQ-2016	15	3446	0.0044	[0.0024; 0.0072]	1.8%	2.0%
Qiu SH-2013 Sun C-2016	23	20356	0.0012	[0.0004, 0.0035]	10.4%	2.0%
Wu JY-2017	2	220	0.0091	[0.0011; 0.0325]	0.1%	1.5%
Zheng Y-2014	3	4879	0.0006	[0.0001; 0.0018]	2.5%	2.0%
Liu XJ-2008	2	121		[0.0020; 0.0584]	0.1%	1.2%
Random effects model		01110	⇒ 0.0081	[0.0018; 0.0179]	15.4%	20.9%
Heterogeneity: $l^2 = 92\%$, τ	² = 0.0050	, p < 0.01				
Age = 50-59	-	005		10 00 40 0 000	0.00	1 701
Cao HJ-2004	5	386	0.0130	[0.0042; 0.0300]	0.2%	1.7%
Yao MF-2007	5	239		[0.0068: 0.0481]	0.1%	1.4%
Li WJ-2007	0	125	0.0000	[0.0000; 0.0291]	0.1%	1.2%
Li TQ-2016	13	1455	+ 0.0089	[0.0048; 0.0152]	0.7%	1.9%
Wu JY-2017	0	240	- 0.0000	[0.0000; 0.0153]	0.1%	1.5%
Common effect model	2	2758	♦ 0.0073	[0.0041; 0.0113]	1.4%	
Random effects model			▷ 0.0073	[0.0026; 0.0136]		10.4%
Heterogeneity: $I^{-} = 43\%$, τ	= 0.0006	p = 0.11				
Age = 60+						
Cao HJ-2004	7	208	0.0337	[0.0136; 0.0681]	0.1%	1.4%
Liang R L 2006	2	458	- 0.0000	[0.0000; 0.0080]	0.2%	1.7%
Xu LL-2016	0	19	0.0000	[0.0000; 0.1765]	0.0%	0.4%
Yao MF-2007	4	207	0.0193	[0.0053; 0.0487]	0.1%	1.4%
Kong P-2013	0	193	- 0.0000	[0.0000; 0.0189]	0.1%	1.4%
Li TQ-2016	1	278	- 0.0000	[0.0000, 0.0468]	0.0%	1.0%
Wu JY-2017	0	331	- 0.0000	[0.0000; 0.0111]	0.2%	1.6%
Zhang W-2009	4	431	+- 0.0093	[0.0025; 0.0236]	0.2%	1.7%
Liu XJ-2008	5	2365	0.0694	[0.0229; 0.1547]	1.2%	0.9%
Random effects model		2000	> 0.0061	[0.0001; 0.0173]	1.2 /0	14.1%
Heterogeneity: $l^2 = 75\%$, τ	$^{2} = 0.0042$, p < 0.01				
Age = 20-29						
Chen JZ-2014	0	6936	0.0000	[0.0000; 0.0005]	3.6%	2.0%
Yao MF-2007	2	152	0.0132	[0.0016; 0.0467]	0.1%	1.3%
Li WJ-2007	0	105	0.0000	[0.0000; 0.0345]	0.1%	1.1%
Liu JY-2016	0	289	- 0.0000	[0.0000; 0.0127]	0.1%	1.6%
Qiu SH-2013	12	12699	0.0009	[0.0005; 0.0017]	6.5%	2.0%
Sun C-2016	126	51735	0.0024	[0.0020; 0.0029]	26.5%	2.1%
Wang LP-2013	6	11902	0.000	[0.0000, 0.0227]	6.1%	2.0%
Wu JY-2017	0	230	- 0.0000	[0.0000; 0.0159]	0.1%	1.5%
Zheng Y-2015	6	9903	0.0006	[0.0002; 0.0013]	5.1%	2.0%
Common effect model	1	95352	0.0192	[0.0005; 0.1026]	48 9%	0.8%
Random effects model			0.0000	[0.0000; 0.0005]		19.7%
Heterogeneity: $I^2 = 87\%$, τ	^z = 0.0002,	, p < 0.01				
Age = 0-9						
Yao MF-2007	2	144	0.0139	[0.0017; 0.0493]	0.1%	1.3%
LI WJ-2007	1	418	- 0.0024	[0.0001; 0.0133]	0.2%	1.7%
Common effect model	U	586	0.0006	[0.0000; 0.0071]	0.3%	0.476
Random effects model			> 0.0015	[0.0000; 0.0136]	-	3.4%
Heterogeneity: $I^{e} = 12\%$, τ	= 0.0009	, p = 0.32				
Age = 10-19						
Yao MF-2007	4	182	0.0220	[0.0060; 0.0553]	0.1%	1.4%
Li WJ-2007	1	329	- 0.0030	[0.0001; 0.0168]	0.2%	1.6%
Liu JY-2016 Wang DM-2016	3	1838	0.0016	[0.0003; 0.0048]	0.9%	2.0%
Wu JY-2017	0	240	- 0.0002	[0.0000; 0.0153]	0.1%	1.5%
Liu XJ-2008	0	60	0.0000	[0.0000; 0.0596]	0.0%	0.8%
Common effect model		3488	0.000	[0.0000; 0.0027]	1.8%	9 1%
Heterogeneity: $l^2 = 46\%$, τ	² = 0.0005.	p = 0.10	0.0018	[0.0000, 0.0000]	-	9.170
0		40.000	-			
Common effect model Random effects model		194833	0.0000	[0.0000; 0.0001] [0.0016; 0.0059]	100.0%	100.0%
	2 0 0 0 0 0 0		0.05 0.4 0.15	,		
Heterogeneity: I* = 85%, t' Test for subgroup difference Test for subgroup difference	= 0.0028 ces (comm ces (rando	, p < 0.01 non effect m effects	$\begin{array}{cccc} 0.05 & 0.1 & 0.15 \\ \chi_{\rm g}^2 = 65.34, {\rm df} = 6 (p < 0.01) \\ \chi_{\rm g}^2 = 30.55, {\rm df} = 6 (p < 0.01) \end{array}$			

and with a study limits are summarized in the first of the state of th

Figure S16. Forest plot of anti-HEV IgM prevalence by age in the general population

							Weight	Weight
Study	Events	Total			Proportion	n 95%-Cl	(common)	(random)
			1	1				
age - 10-19	20	047			0 457	0 4440.0 00051	4.00/	E 00/
Wang L-2013	39	247			0.157		1.8%	5.0%
Zhang LM-2017	0	20 *			0.0000	[0.0000, 0.1323]	1.4%	5.5%
Ren F-2013	239	1294	-		0.184	[0.1639; 0.2069]	8.1%	5.6%
Common effect model		1567			0.157	5 [0.1396; 0.1755]	11.3%	
Random effects model					0.115	7 [0.0037; 0.2278]		16.7%
Heterogeneity: $I^2 = 95\%$, τ	= 0.0094	, p < 0.01	r -					
age = 20-29								
Wang L-2013	456	1631	H	÷	0.2796	6 [0.2579; 0.3021]	7.7%	5.6%
Zhang LM-2017	11	145			0.075	0.0385; 0.1317]	1.9%	5.6%
Chen X-2019	286	2070	E		0.1382	2 [0.1236; 0.1538]	16.5%	5.6%
Ren F-2013	1588	6062		1	0.2620	0 [0.2509; 0.2732]	29.7%	5.6%
Common effect model		9908	0		0.221	3 [0.2132: 0.2294]	55.7%	
Random effects model			\rightarrow	-	0.190	0 [0.0947: 0.2854]		22.5%
Heterogeneity: $I^2 = 99\%$, τ	² = 0.0093	, p < 0.01	6					
age = 30-39								
Wang L-2013	634	1381			0 459	1 [0 4326: 0 4858]	5.3%	5.6%
Zhang L M-2017	14	193			0.072	5 [0.0402: 0.1187]	2.7%	5.6%
Chen X-2019	270	1211	- <u></u> -		0.223	0 1998 0 24751	6.6%	5.6%
Ren E-2013	623	1712		-81-	0.363	0 10 3411 0 38721	7.0%	5.6%
Common effect model	020	4497	į	0	0.307	3 10 2943 0 32031	21.6%	0.070
Pandom effects model		4457		<u> </u>	0.0070	0 10 1140: 0 44501	21.070	22 104
Heterogeneity: $I^2 = 99\%$, τ	^z = 0.0282	p < 0.01			0.213	[0.1143, 0.4430]		22.470
ana = 40.40			ļ					
age - 40-49	E07	042	l.		0 500	E 10 E274 0 60421	2 60/	E C0/
Wang L-2015	07	945			0.009		3.0%	5.0%
Zhang LM-2017	37	230			0.160	0.1159; 0.2149]	1.6%	5.5%
Chen X-2019	1/8	505			0.352	0.3108; 0.3959]	2.1%	5.6%
Ren F-2013	252	554	1		0.454	9 [0.4128; 0.4974]	2.1%	5.6%
Common effect model		2232	į.	<i>•</i>	0.426	2 [0.4066; 0.4458]	9.5%	
Random effects model				1	- 0.385	0 [0.2151; 0.5548]	-	22.3%
Heterogeneity: $I^{-} = 99\%$, τ	~ = 0.0296	, p < 0.01	6					
age = 50-59	6100/10/101	17 100 194 104			CY CONTRACTOR			NO 1988/44
Wang L-2013	122	194	1		0.6289	9 [0.5567; 0.6970]	0.8%	5.4%
Zhang LM-2017	33	145		t .	0.2276	6 [0.1621; 0.3045]	0.8%	5.4%
Ren F-2013	45	97			0.4639	9 [0.3620; 0.5681]	0.4%	5.2%
Common effect model		436	1	\diamond	0.435	7 [0.3923; 0.4790]	1.9%	
Random effects model					0.439	0.2092; 0.6705]		16.1%
Heterogeneity: $I^2 = 97\%$, τ	² = 0.0399	, p < 0.01	i i					
Common effect model		18640	\$		0.256	5 [0.2504; 0.2625]	100.0%	
Random effects model		r		÷	0.281	[0.1991; 0.3631]	-	100.0%
Heterogeneity: $I^2 = 99\%$, τ^2	² = 0.0310	, p < 0.00	0.1 0.2	0.3 0.4 0.5	5 0.6			
Tast for submarie difference	an lanner	an offers	1) CO2 1	2 df - 1/n -	0.04)			

Test for subgroup differences (common effect): $\chi_4^2 = 602.12$, df = 4 (p < 0.01) Test for subgroup differences (random effects): $\chi_4^2 = 11.33$, df = 4 (p = 0.02)

Figure S17. Forest plot of anti-HEV IgG prevalence by age in volunteer blood donors



Figure S18. Forest plot of anti-HEV IgM prevalence by age in volunteer blood donors

Study	Events	Total		Proportion	95%-CI	Weight (common)	Weight (random)
region_1 = The North Zhang ZX-2003	210	574	-	0.3659	[0.3264: 0.4067]	0.2%	0.9%
AYiGuLi-2010	13	151	+	0.0861	[0.0466; 0.1427]	0.0%	0.9%
Bao ZY-2013	28	180		0.1556	[0.1059; 0.2169]	0.1%	0.9%
Du JY-2014	295	952	-	0.3099	[0.2806; 0.3403]	0.3%	0.9%
Gu HY-2013	505	6258		0.0807	[0.0741; 0.0877]	1.8%	0.9%
Wu JY-2016 Wu JY-2016	287	1529	+	0.18//	[0.1684; 0.2082]	0.4%	0.9%
Lu B-2008	208	1060	+	0.1962	[0.1727; 0.2214]	0.3%	0.9%
Bo QN-2019	124	836	+	0.1483	[0.1249; 0.1743]	0.2%	0.9%
Lin CY-2009	403	4959	- T	0.0813	[0.0738; 0.0892]	1.4%	0.9%
Liu JY-2016	57	2127		0.0268	[0.0204; 0.0346]	0.6%	0.9%
Liu K-2009	259	939	[+	0.1182	[0.0983; 0.1406]	0.3%	0.9%
Pan TJ-2002	0	1580		0.0000	[0.0000; 0.0023]	0.5%	0.9%
Shao HW-2009	2555	648		0.0633	[0.0458; 0.0849]	0.2%	0.9%
Wang DM-2016	2355	1000 1		0.0280	[0.0187; 0.0402]	0.3%	0.9%
Wang FY-1999	33	575	+	0.0574	[0.0398; 0.0797]	0.2%	0.9%
Wu JY-2017	310	1459	+ +	0.2125	[0.2322, 0.2705]	0.6%	0.9%
Xia XW-2015	914	3513	+	0.2602	[0.2457; 0.2750]	1.0%	0.9%
Xing XM-2011 Yin Y7-2001	185	812 676	+ +	0.2278	[0.1994; 0.2583]	0.2%	0.9%
Yu DS-2011	338	2429	+	0.1392	[0.1256; 0.1536]	0.7%	0.9%
Zhang D-2022 Zhang D-2015	1000	6493	. *	0.1540	[0.1453; 0.1630]	1.9%	0.9%
Zhao HL-2012	17	327	+	0.0520	[0.0306; 0.0819]	0.1%	0.9%
Zheng SJ-2015	55	205		0.2683	[0.2090; 0.3345]	0.1%	0.9%
Zhong CF-2011 Zhu GZ-2015	458	2627	+	0.4088	[0.3900; 0.4279]	0.8%	0.9%
Zhu GZ-2007	1127	4944	*	0.2280	[0.2163; 0.2399]	1.4%	0.9%
Cai Y-2017 Chang X 2009	366	1842	+	0.1987	[0.1807; 0.2177]	0.5%	0.9%
Cong W-2014	244	965	+	0.2528	[0.2257; 0.2815]	0.3%	0.9%
Dong C-2012	1019	6573		0.1550	[0.1464; 0.1640]	1.9%	0.9%
Fu H-2010 Shenvang G-2011	70 37	296	+ +	0.2365	[0.1892; 0.2891] [0.0578: 0.1101]	0.1%	0.9%
Geng Y-2019	45	421	+	0.1069	[0.0790; 0.1404]	0.1%	0.9%
Taniguchi M-2009	143	300		0.4767	[0.4190; 0.5348]	0.1%	0.9%
Ma XX-2021	13	290 -	+	0.0448	[0.0241; 0.0754]	0.1%	0.9%
Ma Z-2010	407	2090		0.1947	[0.1780; 0.2124]	0.6%	0.9%
Zhang L-2018	519	2054	+	0.2527	[0.2340; 0.2721]	0.6%	0.9%
Common effect model		129315		0.1106	[0.1089; 0.1124]	37.5%	40 79/
Heterogeneity: $l^2 = 100\%$,	$\tau^2 = 0.023$	9, p = 0	×	0.1511	[0.1202; 0.1848]	-	42.1%
region_1 = The South	5588	12555	e.	0.4451	10 4364 0 45381	3.6%	0.0%
Cao HJ-2004	648	1934	+	0.3351	[0.3140; 0.3566]	0.6%	0.9%
Shen JY-2007	749	1570	+	0.4771	[0.4521; 0.5021]	0.5%	0.9%
Ning LF-2008	1086	3561	+	0.3237	[0.2899; 0.3204]	1.0%	0.9%
Chen YZ-2006	254	1084		0.2343	[0.2094; 0.2607]	0.3%	0.9%
Cheng Y-2007	10	140		0.0714	[0.0348; 0.1274]	0.0%	0.9%
Fan LZ-2012	Ó	158 -		0.0000	[0.0000; 0.0231]	0.0%	0.9%
Gong YH-2005	134	144	+	0.9306	[0.8760; 0.9662]	0.0%	0.9%
Wu Y-2016	482	2206	+	0.2185	[0.2014; 0.2363]	0.6%	0.9%
Yao MF-2007	635	1316	+	0.4825	[0.4552; 0.5099]	0.4%	0.9%
Huang SM-2017	273	5345		0.1652	[0.0453; 0.0573]	1.6%	0.9%
Meng ZH-2005	413	980	-	0.4214	[0.3903; 0.4531]	0.3%	0.9%
Wang FD-2004 Zheng XII-2005	394	850 512	+ +	0.4635	[0.4296; 0.4977]	0.2%	0.9%
Kong DG-2017	825	1945	+	0.4242	[0.4021; 0.4465]	0.6%	0.9%
Li B-2003	14	178	+	0.0787	[0.0437; 0.1284]	0.1%	0.9%
Li WJ-2007	337	1553	+	0.4320	[0.1967; 0.2383]	0.1%	0.9%
Li YB-2004	572	3336	+	0.1715	[0.1588; 0.1847]	1.0%	0.9%
Wang HR-2007 Liu XG-2007	515	2209		0.2331	[0.2156; 0.2513]	0.6%	0.9%
Liu XG-2008	209	566	-	0.3693	[0.3294; 0.4105]	0.2%	0.9%
Yu LM-2001	54	417	F	0.1295	[0.0988; 0.1656]	0.1%	0.9%
Luo YX-2005	215	3864	•	0.0556	[0.0486; 0.0633]	1.1%	0.9%
Ma TW-2013	3	90 -	-	0.0333	[0.0069; 0.0943]	0.0%	0.9%
Nong CS-2007 Pan YL-2021	1/2	3// 103794		0.4562	[0.4051; 0.5080]	0.1%	0.9%
Sun Z-2014	471	1483	+	0.3176	[0.2939; 0.3420]	0.4%	0.9%
Tang WF-2014 Tian JS 2007	61	158		0.3861	[0.3098; 0.4667]	0.0%	0.9%
Wang ZZ-2007	1105	1234		+ 0.8955	[0.8770; 0.9120]	0.2%	0.9%
Wu CH-2003	4	148 -	-	0.0270	[0.0074; 0.0678]	0.0%	0.9%
Alao 28-2022 Yang F-2012	1217	4661 3771		0.2611	[0.2485; 0.2740]	1.4%	0.9%
Yang B-2013	40	597	+	0.0670	[0.0483; 0.0901]	0.2%	0.9%
Yu WX-2012 7hang XE-2007	138 2152	5000 ·	+	0.0276	[0.0232; 0.0325]	1.5%	0.9%
Zheng RD-2013	207	850	+	0.2435	[0.2150; 0.2738]	0.2%	0.9%
Zhong SQ-2007 Zhou HF-2006	702	1239 175	· · ·	0.5666	[0.5385; 0.5944] [0.2045: 0.3407]	0.4%	0.9%
				1.2000			



Figure S19. Forest plot of anti-HEV IgG prevalence in the general population in the North and South regions

Study	Evente	Total	Proportion	95% CI	Weight	Weight
otduy	Lvents	Total	Поронаон	3370-01	(common)	(random)
region_1 = The South						
Ao YY-2016	26	5012	- 0.0052	2 [0.0034; 0.0076]	0.5%	1.3%
Cao HJ-2004	43	1934	+ 0.0222	2 [0.0161; 0.0298]	0.2%	1.3%
Zhang MM-2013	3	835	- 0.0036	6 [0.0007; 0.0105]	0.1%	1.2%
Chen JP-2014	2	8697	0.0002	[0.0000; 0.0008]	0.8%	1.3%
Chen JZ-2014	6	14275	0.0004	[0.0002; 0.0009]	1.3%	1.3%
Chen JZ-2014	11	21612	0.000	[0.0003; 0.0009]	2.0%	1.4%
Chen K-2106	79	10156	+ 0.0078	8 [0.0062; 0.0097]	0.9%	1.3%
Jiang RJ-2006	17	1084	0.0157	[0.0092; 0.0250]	0.1%	1.3%
Duan ZJ-2014	15	10803	0.0014	[0.0008; 0.0023]	1.0%	1.3%
Gao YP-2013	20	26780	0.000	[0.0005; 0.0012]	2.5%	1.4%
Ge SX-2006	108	4110	0.0263	8 [0.0216; 0.0316]	0.4%	1.3%
Yao MF-2007	35	1316	0.0266	6 [0.0186; 0.0368]	0.1%	1.3%
Wang FD-2004	26	850	0.0306	6 [0.0201; 0.0445]	0.1%	1.2%
Li WJ-2007	5	1553	- 0.0032	[0.0010; 0.0075]	0.1%	1.3%
Li YH-2021	36	25098	0.0014	[0.0010; 0.0020]	2.3%	1.4%
Lin Q-2012	4	5681	0.000	[0.0002; 0.0018]	0.5%	1.3%
Ma SB-2014	11	5639	0.0020	[0.0010; 0.0035]	0.5%	1.3%
Zhang LF-2003	19	2223	+ 0.008	[0.0052; 0.0133]	0.2%	1.3%
Nong HY-2013	7	11938	0.0006	[0.0002; 0.0012]	1.1%	1.3%
Qiu SH-2013	27	27977	0.0010	[0.0006; 0.0014]	2.6%	1.4%
Tian GJ-2007	13	288	0.045	[0.0243; 0.0760]	0.0%	1.0%
Wang JF-2021	29	11917	0.0024	[0.0016; 0.0035]	1.1%	1.3%
Wu ZT-2013	14	4441	0.0032	[0.0017; 0.0053]	0.4%	1.3%
Xia C-2012	11	749	0.0147	[0.0074; 0.0261]	0.1%	1.2%
Xiao ZY-2016	32	8952	0.0036	6 [0.0024; 0.0050]	0.8%	1.3%
Xu WL-2018	43	15897	0.002	[0.0020; 0.0036]	1.5%	1.4%
Yuan ZZ-2022	10	1604	← 0.0062	[0.0030; 0.0114]	0.1%	1.3%
Zhang WS-2012	3	6456	0.0005	[0.0001; 0.0014]	0.6%	1.3%
Zhang XF-2007	103	4139	0.0249	[0.0204; 0.0301]	0.4%	1.3%
Zheng RD-2013	0	850	0.0000	[0.0000; 0.0043]	0.1%	1.2%
Zheng Y-2015	21	26583	0.0008	[0.0005; 0.0012]	2.5%	1.4%
Zheng Y-2014	124	118253	0.0010	[0.0009; 0.0013]	11.0%	1.4%
Feng Y-2018	80	1912	0.0418	8 [0.0333; 0.0518]	0.2%	1.3%
Gu G-2015	4	994	- 0.0040	0 [0.0011; 0.0103]	0.1%	1.2%
Huang F-2015	5	114	0.0439	0.0144; 0.0994]	0.0%	0.8%
Li W-2011	11	173	0.0636	[0.0322; 0.1109]	0.0%	0.9%
Rui Z-2018	0	208		[0.0000; 0.0176]	0.0%	0.9%
Shu Y-2019	22	1232	0.0179	[0.0112; 0.0269]	0.1%	1.3%
Wang Y-2018	10	1475	← 0.0068	[0.0033; 0.0124]	0.1%	1.3%
Common effect model		393810	0.0013	[0.0012; 0.0014]	36.6%	-
Random effects model			0.0064	[0.0036; 0.0100]	34	49.5%
Heterogeneity: $I^2 = 97\%$, τ	² = 0.0037	<i>p</i> < 0.01				

region 1 = The North						
Bi L-2008	5	1001	0.0050 [0.0	016: 0.0116]	0.1%	1.2%
Gong Q-2012	45	10220	0.0044 [0.0	032: 0.00591	0.9%	1.3%
Wang XJ-2018	5	31696	0.0002 10.0	0001: 0.00041	2.9%	1.4%
Han XX-2010	6	11362	0.0005 10.0	002: 0.00111	1.1%	1.3%
Jiang T-2018	26	9797	0.0027 [0.0	0017: 0.00391	0.9%	1.3%
Jin LP-2012	6	11461	0.0005 10.0	0002: 0.00111	1.1%	1.3%
Kong P-2013	22	33211	0.0007 0.0	0004; 0.0010]	3.1%	1.4%
Bo QN-2019	17	836	0.0203 [0.0	0119; 0.0324]	0.1%	1.2%
Li SB-2010	4	76654	0.0001 [0.0	0000; 0.0001]	7.1%	1.4%
Li XJ-2019	55	16022	0.0034 [0.0	026; 0.0045]	1.5%	1.4%
Li TQ-2016	37	8257	0.0045 [0.0	0032; 0.0062]	0.8%	1.3%
Liu DX-2019	33	40182	0.008 [0.0	0006; 0.0012]	3.7%	1.4%
Liu F-2018	6	9529	0.0006 [0.0	0002; 0.0014]	0.9%	1.3%
Liu JY-2016	3	2127	0.0014 [0.0	0003; 0.0041]	0.2%	1.3%
Liu K-2009	1	939	0.0011 [0.0	0000; 0.0059]	0.1%	1.2%
Liu Y-2013	115	25391	0.0045 [0.0	0037; 0.0054]	2.4%	1.4%
Luo Y-2011	7	31137	0.0002 [0.0	0001; 0.0005]	2.9%	1.4%
Ma XL-2015	12	3707	0.0032 [0.0	0017; 0.0056]	0.3%	1.3%
Shao HW-2009	1	648	0.0015 [0.0	0000; 0.0086]	0.1%	1.2%
Sun C-2016	214	128833	0.0017 [0.0	0014; 0.0019]	12.0%	1.4%
Sun JW-2009	65	3994	+ 0.0163 [0.0	0126; 0.0207]	0.4%	1.3%
Sun LP-2004	20	1043	···· 0.0192 [0.0	0118; 0.0295]	0.1%	1.2%
Wang DM-2016	2	1000	0.0020 [0.0	0002; 0.0072]	0.1%	1.2%
Wang LP-2013	10	25180	0.0004 [0.0	0002; 0.0007]	2.3%	1.4%
Wang XH-2018	41	36152	0.0011 [0.0	0008; 0.0015]	3.4%	1.4%
Wu ZH-2017	55	32120	0.0017 [0.0	013; 0.0022]	3.0%	1.4%
Wu JY-2017	7	1459	0.0048 [0.0	019; 0.0099]	0.1%	1.3%
Xing Y-2016	164	95217	0.0017 [0.0	015; 0.0020]	8.8%	1.4%
Yang XY-2016	26	12271	0.0021 [0.0	0014; 0.0031]	1.1%	1.3%
Zhang P-2015	3	1195	0.0025 [0.0	0005; 0.0073]	0.1%	1.3%
Zhao HL-2012	8	327	0.0245 [0.0)106; 0.0476]	0.0%	1.1%
Zhao JN-2017	10	10000	0.0010 [0.0	0005; 0.0018]	0.9%	1.3%
Cai Y-2017	21	1842	··· 0.0114 [0.0	071; 0.0174]	0.2%	1.3%
Cong W-2014	35	965	0.0363 [0.0)254; 0.0501]	0.1%	1.2%
Geng Y-2019	5	421	0.0119 [0.0	039; 0.0275]	0.0%	1.1%
Ma XX-2021	0	290	0.0000 [0.0	000; 0.0126]	0.0%	1.0%
Ma Z-2010	9	2090	0.0043 [0.0	020; 0.0082]	0.2%	1.3%
Yu Y-2009	65	3994	+ 0.0163 [0.0)126; 0.0207]	0.4%	1.3%
Liu XJ-2008	11	502	0.0219 [0.0)110; 0.0389]	0.0%	1.2%
Common effect model		683072	0.0010 [0.0	009; 0.0011]	63.4%	
Random effects model			0.0037 [0.0	021; 0.0056]		50.5%
Heterogeneity: $I^2 = 97\%$, τ^2 :	= 0.0019	<i>p</i> < 0.01				
Common effect model		1076882	0.0011 [0.0	010; 0.0012]	100.0%	
Random effects model			♦ 0.0049 [0.0	033; 0.0068]		100.0%
Heterogeneity: $I^2 = 97\%$, $\tau^2 = 100\%$	= 0.0028	p = 0 (0.02 0.04 0.06 0.08 0.1			



Figure S20. Forest plot of anti-HEV IgM prevalence in the general population in the North and South regions



Figure S21. Forest plot of anti-HEV IgG prevalence in volunteer blood donors in the North and South regions

Study	Events	Total	Weight Proportion 95%-CI (common)	Weight (random)
region 1 = The South				
Cheng WG-2006	66	8213		5.9%
You QZ-2019	42	5552	0.0076 [0.0055: 0.0102] 3.1%	5.5%
Ge SX-2006	154	13621	0.0113 [0.0096; 0.0132] 11.5%	6.4%
Huang GY-2009	28	1516	0.0185 [0.0123; 0.0266] 2.1%	5.1%
Li W-2018	167	10008	0.0167 [0.0143; 0.0194] 12.5%	6.4%
Liu XG-2007	14	500	0.0280 [0.0154; 0.0465] 1.1%	4.0%
Sang LY-2007	50	3701	0.0135 [0.0100; 0.0178] 3.7%	5.7%
Yan GX-2004	46	3047	0.0151 [0.0111; 0.0201] 3.4%	5.6%
Yu Q-2022	10	1076	0.0093 [0.0045; 0.0170] 0.7%	3.4%
Chen X-2019	43	4044	0.0106 [0.0077; 0.0143] 3.2%	5.5%
Fu P-2021	21	1864	0.0113 [0.0070; 0.0172] 1.6%	4.6%
Guo QS-2010	420	44816	0.0094 [0.0085; 0.0103] 31.3%	6.6%
Ren F-2013	65	6453	0.0101 [0.0078; 0.0128] 4.8%	5.9%
Tsoi WC-2020	16	2000	0.0080 [0.0046; 0.0130] 1.2%	4.2%
Wen GP-2018	38	5345	0.0071 [0.0050; 0.0097] 2.8%	5.4%
Common effect model		111756	0.0109 [0.0103; 0.0116] 88.0%	
Random effects model Heterogeneity: $J^2 = 84\%$	² = 0.0954	n < 0.01	• 0.0113 [0.0095; 0.0135]	80.5%
neterogeneity. r = 0+70, t	- 0.0004	, p = 0.01		
region_1 = The North	07	0050		E 101
Huang XY-2012	31	2250	0.0164 [0.0116; 0.0226] 2.8%	5.4%
Yang LL-2015	13	3654		6.0%
Zhang LM-2017	0	139		2.0%
Ren F-2013	44	4288		5.6%
Common effect model		10931	0.0154 [0.0132; 0.0180] 12.0%	
Random effects model			0.0139 [0.0095; 0.0202]	19.5%
Heterogeneity: $I^{2} = 80\%$, τ^{2}	- = 0.1083	, p < 0.01		
Common effect model		122687	0.0114 [0.0108; 0.0120] 100.0%	
Random effects model			0.0118 [0.0100; 0.0139]	100.0%
Heterogeneity: $I^2 = 85\%$, τ^2 Test for subgroup difference Test for subgroup difference	² = 0.1015 ces (comn ces (rando	, p < 0.01 non effect; m effects]	0.01 0.02 0.03 0.04 $\chi_1^2 = 16.69, df = 1 (\rho < 0.01)$ $\chi_1^2 = 0.91, df = 1 (\rho = 0.34)$	

Figure S22. Forest plot of anti-HEV IgM prevalence in volunteer blood donors in the North and South regions

						Weight	Weight
Study	Events	Total		Proportion	95%-CI	(common)	(random)
region 2 = inland regio	ons		1.1				
Zhang ZX-2003	210	574	+ +	0.3659	[0.3264; 0.4067]	0.2%	1.0%
AYiGuLi-2010	13	151	+	0.0861	[0.0466: 0.1427]	0.0%	0.9%
Bi L-2008	107	1001	+	0 1069	10 0884 0 12771	0.3%	1 0%
Ning E-2008	1086	3561	+ +	0.3050	10 2899 0 32041	1.0%	1.0%
Cheng Y-2007	10	140	+	0.0714	[0 0348: 0 1274]	0.0%	0.9%
Du.IY-2014	295	952	+	0.3099	[0.2806: 0.3403]	0.3%	1.0%
Wu.IX-2016	287	1529	1 +	0 1877	[0 1684: 0 2082]	0.4%	1.0%
Wu JY-2016	112	312		0.3590	[0.3057:0.4149]	0.1%	0.9%
Kong DG-2017	825	1945	+	0.4242	[0.4021: 0.4465]	0.6%	1.0%
Li IT 2014	107	456		0.4320	[0.4021, 0.4403]	0.1%	1.0%
Li MY 2008	160	768		0.2201	[0.1012: 0.2510]	0.2%	1.0%
Li W/L2007	337	1553	1	0.2201	[0.1912, 0.2310]	0.2%	1.0%
Lin CV 2000	102	1050	1	0.02170	[0.1307, 0.2303]	1 5%	1.0%
Lin K 2000	403	4939	1	0.0013	[0.0730, 0.0092]	0.2%	1.0%
Liu X-2009	01	939		0.1162	[0.0963, 0.1406]	0.3%	1.0%
Liu XG-2007	200	500	1	0.2700	[0.2200, 0.3240]	0.1%	0.9%
LIU XG-2008	209	000		0.3093	[0.3294, 0.4105]	0.2%	1.0%
Lu J-2009	259	1977	+	0.1310	[0.1164; 0.1467]	0.6%	1.0%
Ma 100-2013	3	90		0.0333	[0.0069; 0.0943]	0.0%	0.9%
Shao HW-2009	41	648	+	0.0633	[0.0458; 0.0849]	0.2%	1.0%
Tang WE-2014	61	158		0.3861	[0.3098; 0.4667]	0.0%	0.9%
Wu CH-2003	4	148	-	0.0270	[0.0074; 0.0678]	0.0%	0.9%
Wu JY-2017	310	1459	1 1	0.2125	[0.1917; 0.2344]	0.4%	1.0%
Xia XW-2015	914	3513	+	0.2602	[0.2457; 0.2750]	1.0%	1.0%
Yin YZ-2001	63	676	+	0.0932	[0.0724; 0.1177]	0.2%	1.0%
Yu DS-2011	338	2429	+	0.1392	[0.1256; 0.1536]	0.7%	1.0%
Zhang D-2022	1000	6493	•	0.1540	[0.1453; 0.1630]	1.9%	1.0%
Zhang P-2015	47	1195	-	0.0393	[0.0290; 0.0520]	0.3%	1.0%
Zhao HL-2012	17	327	-1	0.0520	[0.0306; 0.0819]	0.1%	0.9%
Zhong CF-2011	1074	2627	+	0.4088	[0.3900; 0.4279]	0.8%	1.0%
Zhu GZ-2015	458	2957	+	0.1549	[0.1420; 0.1684]	0.9%	1.0%
Zhu GZ-2007	1127	4944	+	0.2280	[0.2163; 0.2399]	1.4%	1.0%
Cai Y-2017	99	508		0.1949	[0.1613; 0.2320]	0.1%	1.0%
Chang Y-2009	522	2572	+ +	0.2030	[0.1876; 0.2190]	0.8%	1.0%
Dong C-2012	2189	10893		0.2010	[0.1935; 0.2086]	3.2%	1.0%
Feng Y-2018	1337	1912	+	0.6993	[0.6782: 0.7198]	0.6%	1.0%
Fu H-2010	70	296	} <u>+</u>	0.2365	[0.1892; 0.2891]	0.1%	0.9%
Huang F-2015	12	114	- <u> </u>	0.1053	10.0556: 0.17671	0.0%	0.9%
Li H-2021	246	5222		0.0471	[0.0415: 0.0532]	1.5%	1.0%
Li W-2011	69	173		0.3988	[0 3253: 0 4759]	0.1%	0.9%
Ma XX-2021	13	290	-	0.0448	[0.0241:0.0754]	0.1%	0.9%
Ma 7-2010	407	2090	+	0 1947	[0.1780: 0.2124]	0.6%	1.0%
Shu Y-2019	323	1232	1 +	0 2622	[0 2378: 0 2877]	0.4%	1.0%
Zhang L-2017	236	600	-	0.3933	10 3540 0 43371	0.2%	1.0%
Common effect model	200	75249		0 1960	10 1931 0 19991	22 0%	1.070
Random effects model		1 3243	12	0.1900	[0.1580.02442]	22.0 /0	10 0%
Heterogeneity: $l^2 = 0.0\%$	² - 0.0310	n = 0		0.1994	[0.1000, 0.2442]		40.370
recordgeneity. 1 = 0010, c	- 0.0010	p = 0					

				10					
region_2 = coastal provi	inces								
Ai X-2009	5588	12555		11		0.4451	[0.4364; 0.4538]	3.7%	1.0%
Cao HJ-2004	648	1934	i.	+		0.3351	[0.3140; 0.3566]	0.6%	1.0%
Shen JY-2007	749	1570	i.	+		0.4771	[0.4521; 0.5021]	0.5%	1.0%
Chen XM-2014	281	868				0.3237	[0.2927; 0.3560]	0.3%	1.0%
Chen YZ-2006	254	1084	1	+		0.2343	[0.2094; 0.2607]	0.3%	1.0%
Du L-2013	/	235	<u> </u>			0.0298	[0.0121; 0.0604]	0.1%	0.9%
Gong VH 2005	134	144	1		-	0.0000	0.0000, 0.0231	0.0%	0.9%
Gu HY-2013	505	6258	13			0.9300	0.0741 0.0877	1.8%	1.0%
Yao XF-2013	806	2012		+		0 4006	0 3791 0 4224	0.6%	1.0%
Wu Y-2016	482	2206	i.	+		0 2185	0 2014 0 2363]	0.6%	1.0%
Yao MF-2007	635	1316		+		0.4825	[0.4552; 0.5099]	0.4%	1.0%
Huang SY-2020	120	648	1	+		0.1852	[0.1560; 0.2173]	0.2%	1.0%
Huang SM-2017	273	5345	12			0.0511	[0.0453; 0.0573]	1.6%	1.0%
Meng ZH-2005	413	980	1	+-		0.4214	[0.3903; 0.4531]	0.3%	1.0%
Wang FD-2004	394	850	į.	+		0.4635	[0.4296; 0.4977]	0.2%	1.0%
Zheng YJ-2005	319	512				0.6230	[0.5795; 0.6652]	0.2%	1.0%
Li B-2003	14	1/8	1			0.0787	[0.0437; 0.1284]	0.1%	0.9%
B0 QN-2019	124	2226	17			0.1483	[0.1249; 0.1743]	1.0%	1.0%
LI 1D-2004	512	3330	1	-		0.0001	[0.1066, 0.1647]	0.6%	1.0%
Liu IV 2016	57	2127	. i			0.0268	[0.2130, 0.2313]	0.0%	1.0%
Yu I M-2001	54	417	4			0.0200	[0.0204, 0.0340]	0.0%	0.9%
Lu YH-2006	421	663	1			0.6350	0.5971: 0.67171	0.2%	1.0%
Luo YX-2005	215	3864				0.0556	[0.0486; 0.0633]	1.1%	1.0%
Nong CS-2007	172	377	1			0.4562	[0.4051; 0.5080]	0.1%	0.9%
Pan TJ-2002	0	1580	- i -			0.0000	[0.0000; 0.0023]	0.5%	1.0%
Pan YL-2021	0	103794				0.0000	[0.0000; 0.0000]	30.4%	1.0%
Sun ZH-2017	2555	47852	KI I			0.0534	[0.0514; 0.0554]	14.0%	1.0%
Sun Z-2014	471	1483		+		0.3176	[0.2939; 0.3420]	0.4%	1.0%
Tian JS-2007	35	778	+1			0.0450	[0.0315; 0.0620]	0.2%	1.0%
Wang DM-2016	28	1000	1			0.0280	[0.0187; 0.0402]	0.3%	1.0%
Wang FY-1999	1105	1224			4	0.0574	[0.0398; 0.0797]	0.2%	1.0%
Wang PL 2012	509	2028	1	+		0.2510	[0.0770, 0.9120]	0.4%	1.0%
Xiao 7B-2022	1217	4661	i.	+		0.2611	[0 2485: 0 2740]	1.4%	1.0%
Xing XM-2011	185	812		+-		0.2278	0.1994: 0.2583]	0.2%	1.0%
Yang F-2012	893	3771	- i	+		0.2368	0.2233; 0.2507]	1.1%	1.0%
Yang B-2013	40	597	+			0.0670	[0.0483; 0.0901]	0.2%	1.0%
Yu WX-2012	138	5000	-			0.0276	[0.0232; 0.0325]	1.5%	1.0%
Zhang XF-2007	2152	4139	į.	+		0.5199	[0.5046; 0.5353]	1.2%	1.0%
Zheng RD-2013	207	850		*		0.2435	[0.2150; 0.2738]	0.2%	1.0%
Zheng SJ-2015	55	205	1			0.2683	[0.2090; 0.3345]	0.1%	0.9%
Zhong SQ-2007	102	1239	÷.	-		0.3696	[0.5385; 0.5944]	0.4%	1.0%
Cai V 2017	267	1334		+		0.2000	[0.2043, 0.3407]	0.1%	1.0%
Chan DP-2017	43	208	1.	<u> </u>		0.2001	[0.1730; 0.2220]	0.4%	0.9%
Chiu DM-2013	129	450				0 2867	0 2453 0 3309	0.1%	1.0%
Cong W-2014	244	965	1	+		0.2528	0.2257: 0.2815]	0.3%	1.0%
Dong C-2012	604	3315	1.1	+		0.1822	[0.1692; 0.1958]	1.0%	1.0%
Shenyang G-2011	37	456	+			0.0811	[0.0578; 0.1101]	0.1%	1.0%
Geng Y-2019	45	421	+			0.1069	[0.0790; 0.1404]	0.1%	0.9%
Gu G-2015	57	994	+			0.0573	[0.0437; 0.0737]	0.3%	1.0%
Li H-2021	44	1083	+ [0.0406	[0.0297; 0.0542]	0.3%	1.0%
LI RC-2006	4839	10/15	į.			0.4516	[0.4422; 0.4611]	3.1%	1.0%
Liang H-2014	2012	193				0.3834	[0.3145; 0.4560]	0.1%	1.0%
Liu KSH-2019 Dui 7 2019	2012	209	+			0.2940	[0.2032, 0.3049]	2.0%	0.0%
Wang Y-2018	528	1475	i.	+		0.3580	[0.3335: 0.3830]	0.4%	1.0%
Wong KH-2004	176	934		+		0.1884	[0,1638; 0,2150]	0.3%	1.0%
Xue Y-2013	70	260	į.			0 2692	0 2163 0 3275	0.1%	0.9%
Zhang L-2018	519	2054		+		0.2527	[0.2340; 0.2721]	0.6%	1.0%
Common effect model		266364	- G			0.0689	0.0679; 0.0699]	78.0%	
Random effects model			i i	\diamond		0.2227	0.1705; 0.2796]		59.1%
Heterogeneity: $I^2 = 100\%$, τ^2	= 0.069	0, p = 0							
Common offerst model		344643				0.0040	0.0010-0.00001	100 00/	
Random effects model		341013	1			0.0919	0.0910, 0.0929	100.0%	100 0%
i tanuoni checta mouel				<u>i i i</u>		0.2123		6.0	100.070
Heterogeneity: $I^2 = 100\%$, τ^2	² = 0.053	6, p = 0	0	0.2 0.4 0.6	0.8				
Test for subgroup difference	es (comn	non effect): $\chi_1^2 =$	8694.33, df = 1 (p =	0)				
Test for subgroup difference	es (rando	m effects): χ ₁ ² =	0.43, df = 1 (p = 0.5	1)				

Figure S23. Forest plot of anti-HEV IgG prevalence in the general population in the coastal and inland areas

sql:00.2 0.0052 0.0054 0.0731 0.5% Cap HJ.2004 43 1934	Study E	Events	Total	Proportion	95%-CI	(common)	(random)
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	region_2 = coastal provi	nces					
Cao H.2004 43 1934 00222 [0.016]. 0.0298 0.0298 0.748 Chem J.2014 1 1657 00005 0.0003 0.0008 1.268 Chem J.2014 1 1657 00005 0.0003 0.0008 1.268 Chem J.2014 1 1657 00157 0.0005 0.0003 0.0008 1.268 Chem J.2014 1 1657 00157 0.0005 0.0003 0.0008 1.268 Chem J.2014 1 1657 00157 0.0005 0.0008 0.0008 0.0008 0.0008 Chem J.2014 1 0.0157 0.0008 0.0008 0.0008 0.0008 0.0008 Chem J.2014 1 0.0157 0.0008 0.0008 0.0008 0.0008 0.0008 Chem J.2014 1 0.0157 0.0008 0.0008 0.0008 0.0008 Chem J.2014 1 0.0008 0.0007 0.0018 0.0088 0.018 Chem J.2013 127 0.0008 0.0008 0.0008 0.0002 0.0018 0.058 Chem J.2013 127 0.0004 0.0008 0.0008 0.0002 0.0018 0.058 Chem J.2013 127 0.0004 0.0008 0.0008 0.0002 0.0018 0.058 Chem J.2013 127 0.0004 0.0008 0.0008 0.0002 0.0018 0.058 Chem J.2013 127 0.0004 0.0008 0.0008 0.0002 0.0018 0.058 Chem J.2013 127 0.0004 0.0008 0.0008 0.0002 0.0012 0.58 Chem J.2013 127 0.0004 0.0008 0.0008 0.0002 0.0012 0.58 Chem J.2013 127 0.0004 0.0008 0.00000 0.0002 0.0012 0.58 Chem J.2013 127 0.0004 0.0008 0.0000 0.0002 0.0012 0.58 Chem J.2013 127 0.0004 0.0008 0.0000 0.0002 0.0012 0.58 Chem J.2013 127 0.0004 0.0008 0.0000 0.0002 0.0012 0.58 Chem J.2013 126 2.50 Chem J.2014 127 11328 0.0005 0.0000 0.0002 0.0012 0.58 Chem J.2014 125 12803 0.0005 0.0000 0.0002 0.0012 0.57 Chem J.2014 124 11223 0.0007 0.0017 0.0013 0.0022 0.54 Chem J.2014 124 11223 0.0007 0.0017 0.0013 0.0022 0.54 Chem J.2014 125 1280 0.0000 0.0000 0.0003 0.44 Chem J.2017 10 10000 0.0010 0.0005 0.0018 0.0017 0.013 Chem J.2014 124 11223 0.0000 0.0000 0.0003 0.44 Chem J.2014 15 10803 0.0000 0.0000 0.0017 0.014 Chem J.2014 15 10803 0.0000 0.0000 0.0003 0.44 Chem J.2014 15 10803 0.0000 0.0000 0.0001 0.0000 0.0017 0.014 Chem J.2014 15 10803 0.	Ao YY-2016	26	5012 +	0.0052	[0.0034; 0.0076]	0.5%	1.4%
Zhang MA 2013 3 835 → 0.0035 0.0007 0.0105 0.1107 Chen J. 22014 1 21615 → 0.0035 0.0007 0.0102 0.0095 2205 Chen J. 22014 1 21615 → 0.0025 0.00005 0.0005 0.00005	Cao HJ-2004	43	1934 -	- 0.0222	[0.0161; 0.0298]	0.2%	1.4%
$ \begin{array}{c} \mbox{Creen} J.22014 & 0 & 142/3 & 0 0000 & 0.000$	Zhang MM-2013	3	835	0.0036	[0.0007; 0.0105]	0.1%	1.3%
$ \begin{array}{c} \text{Cleft} \lambda_2001 & 11 & 21012 & & 0.0057 & 0.0005 & 0.0$	Chen JZ-2014	6 1	42/5	0.0004	[0.0002; 0.0009]	1.3%	1.4%
$ \begin{array}{c} \begin{array}{c} \begin{array}{c} c \ s \ S \ c \ s \ c \ s \ c \ s \ c \ s \ s \ c \ s \ s$	Liang R I 2006	17 2	1084	0.0003	[0.0003, 0.0009]	2.0%	1.4%
Yao Mr. 2007 35 1116 0.0268 0.0188 0.0288 0.118 Yao Mr. 2010 26 979 0.0002 100017 0.0003 0.044 0.15 Bo (M.2019 17 830 0.0002 100017 0.0003 0.018 0.055 Liu (X.2019 33 40185 0.0005 100005 0.0011 0.252 Liu X.2016 3 2127 0.0014 10.0030 0.0014 0.278 Liu X.2016 3 2127 0.0014 10.0030 0.0014 0.278 Mong HY.2013 T1 22523 0.0017 0.0019 0.014 278 Wang D.2016 24 12833 0.0017 0.0019 0.014 278 Wang M.2016 2 10004 0.0020 0.0002 0.0011 1.1% Wang Y.2016 14 44444 0.0021 0.0014 0.0031 1.1%	Ge SX-2006	108	4110	+ 0.0263	[0.0032, 0.0230]	0.1%	1.3%
Wang D-2004 26 850	Yao MF-2007	35	1316	+	[0.0186: 0.0368]	0.1%	1.3%
$ \begin{array}{c} \mbox{Jang} 1 2018 & 26 & 9797 \\ \mbox{Kong} F = 2013 & 22 & 33211 \\ \mbox{Jang} 1 2018 & 33211 \\ \mbox{Jang} 2 & 332127 \\ \mbox{Jang} 1 & 52591 \\ \mbox{Jang} 2 & 32127 \\ \mbox{Jang} 1 & 52591 \\ \mbox{Jang} 2 & 27277 \\ \mbox{Jang} 1 & 52591 \\ \mbox{Jang} 2 & 27277 \\ \mbox{Jang} 2 & 272$	Wang FD-2004	26	850	0.0306	[0.0201; 0.0445]	0.1%	1.3%
$ \begin{array}{c} \mbox{Kong} = 2013 \\ \mbox{Kong} = 2013 \\ \mbox{Kong} = 2013 \\ \mbox{Kong} = 2013 \\ \mbox{Kong} = 2012 \\ \$	Jiang T-2018	26	9797 *	0.0027	[0.0017; 0.0039]	0.9%	1.4%
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Kong P-2013	22 3	3211	0.0007	[0.0004; 0.0010]	3.1%	1.4%
$ \begin{array}{c} Lin U2.2012 & 4 & 3081 \\ Lin U2.2012 & 3 & 4 & 3081 \\ Lin U2.2016 & 3 & 2127 \\ Lin U2.2016 & 3 & 2127 \\ Lin U2.2013 & 115 & 2331 \\ Lin U2.2013 & 115 & 2331 \\ Lin U2.2013 & 115 & 2331 \\ Lin U2.2013 & 12 & 2131 \\ U2.2011 & 12 & 124 \\ U2.2011 & 124 & 12833 \\ U2.212 & 10000 & 100000 & 100000 & 100000 & 100000 \\ U0.0000 & 100000 & 100000 & 100010 & 100000 \\ U0.0000 & 100000 & 100010 & 100010 & 100000 \\ U0.0000 & 100010 & 100010 & 100010 & 100010 \\ U0.0017 & 100013 & 00022 & 3065 \\ W0.27.2013 & 14 & 4441 & - & 0.0032 & 100017 & 100033 & 10022 & 3065 \\ W0.27.2013 & 14 & 4441 & - & 0.0032 & 100017 & 100030 & 0022 & 3065 \\ W0.27.2013 & 14 & 4441 & - & 0.0000 & 1000017 & 100013 & 10022 & 3065 \\ W0.27.2016 & 12271 & 0.0017 & 100013 & 0.0022 & 3065 \\ Xing V.2016 & 164 & 95217 & 0.0017 & 100015 & 0.0020 & 898 \\ Xing V.2016 & 164 & 95217 & 0.0017 & 100010 & 0.0043 & 0.018 \\ Zhao W.2010 & 10000 & 0.0011 & 100005 & 0.0010 & 0.0000 & 0.00$	Bo QN-2019	17	836 -	- 0.0203	[0.0119; 0.0324]	0.1%	1.3%
Lu D.A.2019 33 4012 + 00000 00000 00000 00000 00000 00000 0000	Lin Q-2012	4	5681 f	0.0007	[0.0002; 0.0018]	0.5%	1.4%
Liu Y-2013 115 2531 1	Liu IX 2016	33 4	2127 +	0.0008	[0.0006, 0.0012]	3.8%	1.4%
Zhang L-2003 19 222	Liu Y-2013	115 2	5391	0.0045	[0.0037: 0.0054]	24%	1.4%
Nong HV-2013 7 11938 0.0006 0.0002 0.0014 2.2% Sun C-2016 214 128831 0.0017 10.0014 0.0019 12.7% Wu ZH-2017 5 32120 0.0017 10.0015 0.0022 3.0% Xing Y-2016 164 95217 0.0017 10.0015 0.0022 3.0% Xing Y-2016 164 95217 0.0017 10.0015 0.0022 3.0% Xing Y-2016 164 95217 0.0017 10.0015 0.0022 9.8% Zheng XX-2017 10 10000 0.0024 10.0031 1.1% Zheng XX-2017 10 10000 0.0010 0.0001 0.0011 0.0018 0.9% Zheng XX-2017 10 10000 0.0011 0.0011 0.0013 1.1% Zheng XX-2018 0 2.026 0.0000 0.0004 0.0011 0.0133 1.1% Geng Y-2013 0 2.085 0.0004 0.0006 0.0006	Zhang LF-2003	19	2223 +	0.0085	[0.0052; 0.0133]	0.2%	1.4%
Gu SH-2013 27 27977 € 0.0010 0.0000, 0.0014, 0.0019 12.1% Wang DM-2016 21 1000 + 0.0022 0.0002, 0.0072, 0.0053 0.4% Wu ZT-2013 14 4441 + 0.0022 0.0017, 0.0053 0.4% Wu ZT-2016 164 95271 0.0017, 0.0053, 0.0012, 0.0022 3.0% Yang XY-2016 26 12271 0.0007, 0.0013, 0.0022, 0.9% 3.0% Yang XY-2016 26 12271 0.0005, 0.0018, 0.0022, 0.9% 3.0% Zhang XF-2007 10.3 4139 + 0.0240, 0.0011, 0.0002, 0.00713, 0.0116 0.9% Zhao JN-2014 124 118253 0.0000, 0.0000, 0.00013, 0.0113, 0.0116 0.9% Zheng Y-2018 0 1475 0.0000, 0.0000, 0.00716, 0.0016 0.9% Gu G-2015 4 944 0.0000, 0.00013, 0.0113, 0.0116 0.5% Gu G-2016 1475 0.0002, 0.0027, 0.0076 - 0.0014, 0.0016, 0.0166 0.9% Random effect model 620034 0.0004, 0.0001, 0.0016, 0.0166 0.9% 0.0004, 0.0001, 0.0076 0.0007, 0.0008, 0.0027, 0.00% Wang X-2016 5<	Nong HY-2013	7 1	1938	0.0006	[0.0002; 0.0012]	1.1%	1.4%
Sun C.2016 214 12833 0.0017 0.0014 0.0019 12.1% Wu ZH-2013 14 4441 0.0022 0.0027 0.017 0.0017 <t< td=""><td>Qiu SH-2013</td><td>27 2</td><td>7977</td><td>0.0010</td><td>[0.0006; 0.0014]</td><td>2.6%</td><td>1.4%</td></t<>	Qiu SH-2013	27 2	7977	0.0010	[0.0006; 0.0014]	2.6%	1.4%
Ward DM-2016 2 1000	Sun C-2016	214 12	8833	0.0017	[0.0014; 0.0019]	12.1%	1.4%
W0 21-2015 14 4441 0.0022 10.017,0003,0022 3.0% Xing Y-2016 164 95217 0.0017 [0.0015,0022] 3.0% Xing Y-2016 164 95217 0.0017 [0.0015,00022] 3.0% Zhang XF-2007 103 4139 - 0.0024 [0.0001,00014] 0.0% Zhang XF-2017 10 10000 0.0017 [0.0005,00010,0043] 0.1% Zheng RD-2013 0.850 - 0.0000 [0.0000,0043] 0.1% Zheng RD-2013 0.850 - 0.0000 [0.0000,0043] 0.1% Cong W-2014 124 1182231 0.0010 [0.0000,00000] 0.0040 [0.0011,00103] 0.1% Geng Y-2018 0 2.86 - 0.0004 [0.0001,00101,0103] 0.1% Gui G-2015 4 94 - 0.0040 [0.0001,00101,0103] 0.1% Rui Z-2018 0 2.86 - 0.0004 [0.0001,00101,0103] 0.1% Rui G-2015 4 94 - 0.0016 [0.0016,00116] 0.1% Rui G-2015 4 94 - 0.0016 [0.0000,00000,0001] 0.0016 <td< td=""><td>Wang DM-2016</td><td>2</td><td>1000</td><td>0.0020</td><td>[0.0002; 0.0072]</td><td>0.1%</td><td>1.3%</td></td<>	Wang DM-2016	2	1000	0.0020	[0.0002; 0.0072]	0.1%	1.3%
Number of the second	Wu ZI-2013	14 55 3	4441 #	0.0032	[0.0017, 0.0053]	0.4%	1.4%
Yang XX 2016 26 12211 0.0021 0.0021 0.00311 1.1% Zhang XX 2016 3 6464 0.0005 0.00011 0.00311 0.8% Zhang XX 2017 10 4139 0.0249 0.00011 0.0016 0.9% Zhang XX 2013 0.850 0.00010 0.00010 0.00011 0.0008 0.9% Zheng X2013 0.850 0.00010 0.00010 0.00011 0.0008 0.9% Zheng X2014 124 118255 0.0016 0.00027 0.0017 0.1% Geng X2015 4 94 0.0016 0.00017 0.01% 0.01% Ku Z2018 0 206 0.00016 0.0033.0.01741 0.0% Common effect model 628034 0.0014 0.0016 0.1% Common effect model 628034 0.0007 0.0005 0.00016 0.1% B1-2008 5 1001 0.0050 0.0002 0.0001 1.0% Ga VP-2014	Xing Y-2016	164 9	5217	0.0017	[0.0015; 0.0022]	8.9%	1.4%
Zhang WS.2012 3 6456 00006 000011 0.084 Zhang WS.2017 103 4139	Yang XY-2016	26 1	2271	0.0017	[0.0014 0.0020]	1 1%	1 4%
	Zhang WS-2012	3	6456 +	0.0005	[0.0001; 0.0014]	0.6%	1.4%
Zhao, N.2017 10 10000 0.0010 0.0010 0.00010 0.0033 0.013 0.09% Zheng RD.2013 0 850 0.0033 0.013 0.013 0.013 0.0030 0.0033 0.013 0.011 0.0030 0.0033 0.013 0.013 0.013 0.013 0.013 0.013 0.013 0.013 0.013 0.013 0.013 0.003 0.0033 0.0254 0.0501 0.036 0.0033 0.014 0.036 0.0033 0.014 0.036 0.0033 0.014 0.036 0.0033 0.014 0.036 0.0033 0.014 0.036 0.0033 0.014 0.036 0.0033 0.014 0.036 0.0033 0.014 0.036 0.0032 0.0065 0.0016 0.014 0.036 0.0032 0.0065 0.0016 0.014 0.036 0.0032 0.0067 0.0062 0.0011 0.014 0.032 0.0059 0.007 0.0003 0.0022 0.0011 0.0032 0.0059 0.0032	Zhang XF-2007	103	4139	⊢ 0.0249	[0.0204; 0.0301]	0.4%	1.4%
	Zhao JN-2017	10 1	0000	0.0010	[0.0005; 0.0018]	0.9%	1.4%
Zneng 7-2014 124 1182:53 0.0010 [0.0009, 0.0013] 11.1% Geng V.2019 5 421 0.0119 [0.0033, 0.0275] 0.0% Gu G-2015 4 944 0.0000 [0.0000, 0.0176] 0.0% Wang Y-2018 0 208 0.0008 [0.0033, 0.0124] 0.01% Random effect model 622034 0.0008 [0.0003, 0.0176] 0.0% Random effect model 622034 0.0014 [0.0016, 0.0116] 0.1% Releagenety / T= 87%, T= 60027, p < 0.01	Zheng RD-2013	0	850	0.0000	[0.0000; 0.0043]	0.1%	1.3%
	Zheng Y-2014	124 11	8253	0.0010	[0.0009; 0.0013]	11.1%	1.4%
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Cong V-2014 Cong V 2010	35	421	- 0.0363	[0.0254; 0.0501]	0.1%	1.3%
Ru Z-2018 0 208 0 00000 0.0000 0.0000 0.00010 0.0008 0.00033 0.0124 0.014 Common effects model 628034 0 0.0044 [0.0033 0.015] 5.89% Random effects model 628034 0 0.0044 [0.0033 0.015] 5.89% region_2 = inland regions 8 0 0.0050 [0.0016 0.016] 0.1% Chen K-2106 79 10156 + 0.0078 [0.0022 0.00011 1.0% Duan ZJ-2014 15 10803 0 0.0014 [0.0005 0.0021 2.5% Gong Q-2012 45 10220 + 0.0004 [0.0002 0.0011 1.1% Man X-2018 5 31696 + 0.0002 [0.0010 0.0001 2.00011 1.1% Li W-2017 5 1553 - 0.0032 [0.0002 0.0011 1.1% Li W-2014 36 25098 0 0.0014 [0.0002 0.0011 1.1% Li W-2016 37 82	Gu G-2015	4	994	0.0040	[0.0033, 0.0273]	0.0%	1.2%
Wang Y.2018 10 1475	Rui Z-2018	0	208	0.0000	[0.0000: 0.0176]	0.0%	1.0%
Common effect model Random effects model Heterogenety. I ² = 97%, t ² = 0.0027, p < 0.01 628034 0.0014 [0.0013; 0.0016] 0.0026 [0.0076] 58.9% 	Wang Y-2018	10	1475	0.0068	[0.0033; 0.0124]	0.1%	1.3%
Random effects model Heterogenety: $l^2 = 97\%$, $u^2 = 0.0027$, $p < 0.01 • 0.0048 [0.0026; 0.0076] - region_2 = inland regions 5 1001 0.0050 [0.0016; 0.0116] 0.1% Chen J.P.2014 2 8997 0.00078 [0.0002; 0.0097] 1.0% Duan ZJ-2014 15 10803 0.0014 [0.0008; 0.0023] 1.0% Gao YP-2013 20 26780 0.0014 [0.0008; 0.0012] 2.5% Gao YP-2013 20 26780 0.0007 [0.0002; 0.0011] 1.0% Wang XJ-2018 5 31696 e 0.0002 [0.0001; 0.0004] 3.0% Han XX-2010 6 11362 0.0005 [0.0002; 0.0011] 1.1% Jin LP-2012 6 1461 0.0005 [0.0002; 0.0011] 1.1% Li XJ-2019 55 16022 0.0032 [0.0010; 0.0075] 1.5% Li XJ-2019 35 16022 0.0034 [0.0002; 0.0014] 9% Li XJ-2019 36 25098 e 0.0014 [0.0002; 0.0055] 2.9% Li XJ-2018 6 929 0.0066 [0.0045] 0.5% Ma SB-2014 11 5639 b 0.0021 [0.0000; 0.0055] 2.$	Common effect model	62	8034	0.0014	[0.0013; 0.0015]	58.9%	
Heterogenety, f = 97%, t ² = 0.0027, p < 0.01	Random effects model			0.0048	[0.0026; 0.0076]		47.2%
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Heterogeneity: $I^{*} = 97\%$, $\tau^{*} =$	= 0.0027, p <	0.01				
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	region_2 = inland region	S	1001	0.0050	10 0016: 0 0116	0.1%	1 20/
Chen K-2106 79 10156 - 0.0078 10.0002 0.0097 1.0% Duan ZJ-2014 15 10803 0.0074 10.0005 0.00071 1.0% Gao YP-2013 20 26780 0.0007 10.0005 0.00071 1.0% Wang XJ-2018 5 31686 0.0007 10.0005 0.00011 1.0% Man XX-2010 6 11362 0.0005 10.0002 0.00011 1.1% Jin LP-2012 6 11461 0.0005 10.0002 0.0011 1.1% Li XJ-2019 55 16022 0.0032 10.0010 0.00075 0.1% Li XJ-2019 55 16022 0.0034 10.0020 0.0141 1.0% Li XJ-2016 37 8257 0.0045 10.0002 0.0141 0.00059 0.1% Liu K-2016 37 8257 0.0045 10.0000 0.0059 0.1% Liu K-2019 1.399 0.0011 10.0000 0.0059 0.1% Liu K-2009 1 648 0.0015 0.0002 <t< td=""><td>Chen .IP-2014</td><td>2</td><td>8697</td><td>0.0030</td><td>[0.0010, 0.0110]</td><td>0.1%</td><td>1.3%</td></t<>	Chen .IP-2014	2	8697	0.0030	[0.0010, 0.0110]	0.1%	1.3%
Duan ZJ-2014 15 10803 0.0014 [0.0008, 0.0023] 1.0% Gao YP-2013 20 26780 0.0007 [0.0005, 0.0012] 2.5% Gong Q-2012 45 10220 0.0024 [0.0002, 0.0011] 1.0% Wang XJ-2018 5 31696 0.0002 [0.0001, 0.0004] 3.0% Han XX-2010 6 11362 0.0005 [0.0002, 0.0011] 1.1% Li SB-2010 4 76654 0.0001 [0.0000, 0.0001] 7.2% Li WJ-2007 5 1553 0.0032 [0.0010, 0.0075] 0.1% Li XJ-2019 55 16022 0.0034 [0.0020, 0.0014] 0.09% Li XJ-2016 37 8257 0.0032 [0.0001, 0.0032] 0.08% Li K-2009 1 939 0.0001 [0.0002, 0.0014] 0.9% Li K-2018 6 9529 0.0006 [0.0002, 0.0014] 0.9% Li K-2009 1 648 0.0022 [0.0017, 0.0056] 0.3% Sha HW-2011 7 31137 0.0022 [0.0017, 0.0056] 0.3% <td>Chen K-2106</td> <td>79 1</td> <td>0156 +</td> <td>0.0078</td> <td>[0.0062: 0.0097]</td> <td>1.0%</td> <td>1.4%</td>	Chen K-2106	79 1	0156 +	0.0078	[0.0062: 0.0097]	1.0%	1.4%
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Duan ZJ-2014	15 1	0803	0.0014	[0.0008: 0.0023]	1.0%	1.4%
Gong Q-2012 45 10220 00044 [0.0032, 0.0059] 1.0% Wang XJ-2018 5 31696 0.0002 0.0001, 0.0004 3.0% Han XX-2010 6 11362 0.0005 [0.0002, 0.0011] 1.1% Jin LP-2012 6 11461 0.0005 [0.0002, 0.0011] 1.1% Li SB-2010 4 76654 0.0032 [0.0010, 0.0075] 0.1% Li XL-2019 55 16022 0.0034 [0.0026, 0.0045] 1.5% Li XL-2018 36 9529 0.0014 [0.0000, 0.0005] 0.8% Liu K-2018 6 9529 0.0001 0.0002 0.0014 0.9% Liu K-2019 1 34137 0.0021 0.0011 0.0005 2.9% Ma SB-2014 11 5639 0.0011 0.0002 0.0014 0.9% Luo Y-2015 12 3707 0.0032 0.00015 0.3% Shao HW-2009 1 648 0.0192 0.0118 0.0255 <td>Gao YP-2013</td> <td>20 2</td> <td>6780 0</td> <td>0.0007</td> <td>[0.0005; 0.0012]</td> <td>2.5%</td> <td>1.4%</td>	Gao YP-2013	20 2	6780 0	0.0007	[0.0005; 0.0012]	2.5%	1.4%
Wang XJ-2018 5 31696 0.0002 [0.0001] 0.0004] 3.0% Han XX-2010 6 11362 0.0005 [0.0002] 0.0011 1.1% Li BS-2010 4 76654 0.0032 [0.0010] 0.0075 0.011 1.1% Li WJ-2007 5 1553 0.0032 [0.0010] 0.0075 0.1% Li WJ-2019 55 16022 0.0034 0.0045 [0.002] 0.0045 1.5% Li H-2016 37 8257 0.0045 [0.0002] 0.0045 0.0022 0.0045 1.5% Liu K-2009 1 939 0.0011 [0.0002] 0.0014 0.0022 0.0014 0.09% Liu K-2011 7 31137 0.0022 [0.0011] 0.0005 2.9% Ma SB-2014 11 5639 - 0.0012 [0.0011] 0.0005 2.9% Ma SB-2014 1 5639 - 0.0022 [0.0010] 0.0035 0.5% Max L-2015 12 3707 - 0.0024 [0.0016] 0.035	Gong Q-2012	45 1	0220 +	0.0044	[0.0032; 0.0059]	1.0%	1.4%
Han XX-2010 6 11362 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0007 11% Li SB-2010 4 76654 0.0032 0.0001 0.0005 0.0026 0.0045 1.5% Li WJ-2007 5 1553 0.0032 0.0026 0.0045 1.5% Li YH-2021 36 25098 0.0014 0.0026 0.0026 0.0045 1.5% Li YH-2021 36 25098 0.0014 0.0026 0.0045 1.5% Li V-2016 37 8257 0.0034 0.0002 0.00014 0.9% Liu K-2009 1 939 0.0002 0.0001 0.0005 2.9% Ma SB-2014 11 5639 0.0022 0.0017 0.0056 0.3% Shao HW-2009 1 648 - 0.0015 0.0006 0.0035 1.5% Sun LP-2014 20 1043 - - 0.012 0.0007 1.4% Wang JF-20	Wang XJ-2018	5 3	1696 1	0.0002	[0.0001; 0.0004]	3.0%	1.4%
Jin LP-2012 6 11461 0.0005 [0.0005 [0.0005 [0.00005 [0.0000] 7.2% Li SB-2010 4 76654 0.0001 [0.0002 [0.001] 7.2% Li WJ-2007 5 1553 0.0032 [0.0010 .0075] 0.1% Li XJ-2019 55 16022 0.0034 [0.0026 0.0045] 1.5% Li YL-2021 36 25098 0.0014 [0.0002 .00014] 0.9% Liu F-2018 6 9529 0.0005 [0.0020 .0014] 0.9% Liu K-2009 1 393 0.0011 [0.0000 .0005] 0.1% Luo Y-2011 7 31137 0.0022 [0.0010 .0005] 2.9% Ma SB-2014 11 5639 0.0022 [0.0017 .00056] 0.3% Ma XL-2015 12 3707 0.0032 [0.0017 .00056] 0.3% Shao HW-2009 1 648 0.0192 [0.0016 .00035] 1.5% Wang JF-2021 29 11917 0.0024 [0.0016 .00035] 1.1% Wang JF-2013 10 25180 0.0014 [0.0026 .0007] 2.4% <t< td=""><td>Han XX-2010</td><td>6 1</td><td>1362</td><td>0.0005</td><td>[0.0002; 0.0011]</td><td>1.1%</td><td>1.4%</td></t<>	Han XX-2010	6 1	1362	0.0005	[0.0002; 0.0011]	1.1%	1.4%
Li B3-2010 4 70034 0.001 0.0001 0.0001 0.0011 7.2% Li WJ-2007 5 1553 0.0032 0.0014 0.0016 0.0075 0.1% Li WJ-2017 36 25098 0.0014 0.0016 0.00020 2.4% Li T0-2016 37 8257 0.0045 0.0022 0.0014 0.0006 0.00020 2.4% Liu F-2018 6 9529 0.0011 0.0006 0.00005 2.9% Liu K-2009 1 939 0.0002 0.0011 0.0000 0.0055 2.9% Ma SB-2014 11 5639 0.0022 0.0017 0.0023 0.0015 2.9% Ma XL-2015 12 3707 0.0032 0.0017 0.0026 0.1% Sun LP-2004 20 1043 0.0192 10.018 0.035 1.1% Wang JP-2013 10 25180 0.0024 0.0007 2.4% Wang JP-2018 41 36152 0.0147 0.0024 0.0026 0.0075 <t< td=""><td>Jin LP-2012</td><td>0 1</td><td>1461</td><td>0.0005</td><td>[0.0002; 0.0011]</td><td>1.1%</td><td>1.4%</td></t<>	Jin LP-2012	0 1	1461	0.0005	[0.0002; 0.0011]	1.1%	1.4%
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Li W.I.2007	5	1553	0.0032	[0.0000, 0.0001]	0.1%	1.4%
Li YH-2021 36 25086 0.0014 0.0010 0.0020 2.4% Li To-2016 37 8257 0.0055 0.0065 0.0002 0.0014 0.9% Liu F-2018 6 9529 0.0006 0.0002 0.0014 0.9% Liu K-2009 1 939 0.0011 0.00001 0.0005 2.9% Ma SB-2014 11 5639 0.0022 0.0017 0.0005 2.9% Ma SB-2014 11 5639 0.0022 0.0017 0.0056 0.3% Shao HW-2009 1 648 0.0015 0.0002 0.0016 0.0035 0.1% Sun LP-2014 20 1043 0.0152 0.0004 0.0006 0.0% Wang JF-2021 29 11917 0.0147 10.0243 0.0760 0.0% Wang JF-2013 10 25180 0.0044 10.0022 0.00071 2.4% Wang JF-2017 7 1459 0.0048 10.0015 3.4% Wu JY-2017 7 <	Li XJ-2019	55 1	6022	0.0034	[0.0026; 0.0045]	1.5%	1.4%
Li Tc-2016 37 8257 + 0.0045 [0.0032 0.0062] 0.8% Li UF-2018 6 9529 0.0001 [0.0002 0.0014] 0.9% Li UK-2009 1 939 + 0.0011 [0.0000 0.0059] 0.1% Lu V-2011 7 31137 0.0002 [0.0011 0.0005] 2.9% Ma SB-2014 11 5639 + 0.0020 [0.0011 0.0005] 2.9% Ma SB-2014 11 5639 + 0.0020 [0.0017 0.0056] 0.3% Shao HW-2009 1 648 - 0.0192 [0.0017 0.0056] 0.3% Shao HW-2009 1 648 - 0.0192 [0.0018 0.0295] 0.1% Tian GJ-2007 13 288 - 0.0192 [0.0018 0.0295] 0.1% Tian GJ-2017 13 288 - 0.0192 [0.0016 0.0035] 1.1% Wang JF-2021 29 11917 - 0.0024 [0.0016 0.0035] 1.1% Wang JF-2013 10 25180 - 0.0004 [0.0022 0.0007] 2.4% Wang XH-2018 41 36152 - 0.0014 [0.0002 0.0007] 2.4% Wang XH-2018 41 36152 - 0.0014 [0.0002 0.0006] 1.5% Xu WL-2016 32 8952 - 0.0036 [0.0024 0.0050] 0.8% Xu WL-2018 43 15897 - 0.0048 [0.0027 0.00261] 0.1% Xiao ZV-2016 32 8952 - 0.0037 [0.0027 0.0036] 1.5% Yuan ZZ-2022 10 1604 - 0.0025 [0.0005 0.0073] 0.1% Xiao ZV-2016 32 8952 - 0.0027 [0.0026 0.0036] 1.5% Yu WL-2018 43 15897 - 0.0024 [0.0036 0.0074] 0.2% Zhao HL-2012 8 327 - 0.0025 [0.0005 0.0073] 0.1% Zhao HL-2012 8 327 - 0.0025 [0.0005 0.0073] 0.1% Zhao HL-2012 8 327 - 0.0025 [0.0005 0.0073] 0.1% Zhao HL-2012 8 327 - 0.0043 [0.0033 0.0518] 0.2% Huang F-2015 5 114 - 0.0043 [0.0033 0.0518] 0.2% Huang F-2015 5 114 - 0.0043 [0.0034 0.0050] 0.0% Ma XX-2021 0 290 - 0.0004 [0.0035 0.0073] 0.1% Xiao Z-2010 9 2090 - 0.0043 [0.0020 0.0062] 0.2% Shu Y-2019 22 1232 - 0.0043 [0.0020 0.0062] 0.0% Ma XX-2021 0 9200 - 0.0043 [0.0020 0.0062] 0.2% Shu Y-2009 11 500 - 0.0043 [0.0020 0.0062] 0.2%	Li YH-2021	36 2	5098 0	0.0014	[0.0010; 0.0020]	2.4%	1.4%
Liu F-2018 6 9529 0.0006 0.0002 0.0014 0.9% Liu K-2009 1 939 0.0011 0.0000 0.0005 2.9% Ma SB-2014 11 5639 0.0022 0.0011 0.0005 2.9% Ma XL-2015 12 3707 0.0032 0.0017, 0.0056 0.3% Shao HW-2009 1 648 0.0015 0.0002 0.0017, 0.0056 0.3% Sun LP-2004 20 1043	Li TQ-2016	37	8257 +	0.0045	[0.0032; 0.0062]	0.8%	1.4%
Lu K.2009 1 939 00011 [0.0001, 0.0059] 0.1% Ma SB-2014 11 5639 00002 [0.0001, 0.0005] 2.9% Ma SB-2014 11 5639 00002 [0.0010, 0.0056] 0.5% Ma XL-2015 12 3707 0.0032 [0.0017, 0.0056] 0.3% Shao HW-2009 1 648 00151 [0.0002, 0.0006] 0.1% Sun LP-2004 20 1043 0.0122 [0.0118, 0.0295] 0.1% Wang JF-2021 29 11917 0.0024 [0.0016, 0.0035] 1.1% Wang JF-2021 29 11917 0.0024 [0.0016, 0.0035] 1.1% Wang JF-2021 29 11917 0.0024 [0.0016, 0.0035] 1.1% Wang JF-2013 10 25180 0.0024 0.00110 [0.0090, 0.009] 0.1% Xia C-2012 11 749 0.0048 [0.0019, 0.009] 0.1% Xia C-2016 32 8952 0.0027 0.0026 0.0036 1.5% Yuan ZZ-0222 10 <td>Liu F-2018</td> <td>6</td> <td>9529</td> <td>0.0006</td> <td>[0.0002; 0.0014]</td> <td>0.9%</td> <td>1.4%</td>	Liu F-2018	6	9529	0.0006	[0.0002; 0.0014]	0.9%	1.4%
Lub r-2011 7 3137 0.0022 [0.0010, 0.005] 2.9% Ma SB-2014 11 5639 0.0022 [0.0010, 0.005] 0.5% Ma XL-2015 12 3707 0.0032 [0.0017, 0.0056] 0.3% Shao HW-2009 1 648 - 0.015 [0.0000, 0.0086] 0.1% Sin LP-2004 20 1043 - 0.0192 [0.0116, 0.0295] 0.1% Wang JF-2021 29 11917 0.0451 [0.024, 0.0760] 0.0% Wang JF-2013 10 25180 0.0004 [0.0002, 0.0007] 24% Wang XH-2018 41 36152 0.0048 0.0019 0.0099] 0.1% Xia C-2012 11 749 - 0.0147 [0.0074, 0.0261] 0.1% Xia C-2012 11 749 - 0.0027 [0.0026, 0.0073] 1.8% Yuu XZ-2016 32 8952 - 0.0027 [0.0026, 0.0050] 0.8% Yuu ZZ-2022 10 16	Liu K-2009	1	939	0.0011	[0.0000; 0.0059]	0.1%	1.3%
MaxL-2017 11 3035 0.032 0.0017 0.0025 [0.0017, 0.0053] 0.3% Shao HW-2009 1 648 0.015 [0.0007, 0.0056] 0.3% Sun LP-2004 20 1043	Luo 1-2011 Ma SB-2014	11	5630 +	0.0002	[0.0001; 0.0005]	2.9%	1.4%
Shao HW-2009 1 648 0.0015 10.0000 0.0006 0.1% Sun LP-2004 20 1043	Ma XI_2015	12	3707 #	0.0020	[0.0017: 0.0035]	0.3%	1.4%
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Shao HW-2009	1	648 +	0.0032	[0.0000 0.0086]	0.5%	1.4%
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Sun LP-2004	20	1043 -	- 0.0192	[0.0118: 0.0295]	0.1%	1.3%
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Tian GJ-2007	13	288	0.0451	[0.0243; 0.0760]	0.0%	1.1%
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Wang JF-2021	29 1	1917	0.0024	[0.0016; 0.0035]	1.1%	1.4%
Vvang XH-2U18 41 36152 0.0011 [0.0008, 0.0015] 3.4% Vva JY-2017 7 1459 0.0048 [0.0019, 0.0099] 0.1% Xia C-2012 11 749 0.0147 [0.0074, 0.0261] 0.1% Xia C-2012 11 749 0.0147 [0.0024, 0.0050] 0.8% Xiu WL-2016 32 8952 0.0027 [0.0024, 0.0050] 0.8% Xu WL-2018 43 15897 0.0027 [0.0026, 0.0036] 1.5% Yuan ZZ-2022 10 1604 0.0062 [0.0005, 0.0073] 0.1% Zhao HL-2012 8 327 0.0245 [0.0166, 0.0476] 0.0% Zhao HL-2012 8 327 0.0245 [0.0166, 0.0476] 0.0% Zhao HL-2012 8 327 0.0028 [0.0005, 0.012] 2.5% Feng Y-2018 80 1912 0.0438 [0.033, 0.0518] 0.2% Li W-2011 11 173 <td>Wang LP-2013</td> <td>10 2</td> <td>5180 🛉</td> <td>0.0004</td> <td>[0.0002; 0.0007]</td> <td>2.4%</td> <td>1.4%</td>	Wang LP-2013	10 2	5180 🛉	0.0004	[0.0002; 0.0007]	2.4%	1.4%
Viu J-2017 / 1409 0.0048 [0.0019] 0.0199] Xia C-2012 11 749 - 0.0147 [0.0074] 0.0261] 0.1% Xia C-2016 32 8952 - 0.0147 [0.0074] 0.0261] 0.1% Xia C-2016 32 8952 - 0.0036 [0.0024] 0.0050] 0.8% Xu WL-2018 43 15897 - 0.0027 [0.0020] 0.0306] 1.5% Yuan ZZ-2022 10 1604 - 0.0025 [0.0005] 0.0141 0.2% Zhang P-2015 3 1195 - 0.0025 [0.0005] 0.0176 0.0073 0.1% Zhang P-2015 21 26583 - 0.0026 [0.0005] 0.012] 2.5% Feng Y-2018 80 1912 - 0.0418 [0.0333] 0.0518] 0.2% Huang F-2015 5 114 - - 0.0439 [0.0144] 0.0% Li W-2011 11 173 - 0.0306 [0.0322] 0.1094] 0.0% Ma XX-2021 0 290 - 0.0000 [0.0126] 0.0% Ma Z-2010 9 2090	Wang XH-2018	41 3	1450	0.0011	[0.0008; 0.0015]	3.4%	1.4%
Ala Ozeriz 11 119 119 0.1% Xiao ZY-2016 32 8952 0.0036 0.0024 0.00250 0.8% Xu WL-2018 43 15897 0.0036 0.0024 0.00250 0.8% Yuan ZZ-2022 10 1604 0.0025 0.0025 0.0036 1.5% Zhang P-2015 3 1195 0.0025 0.0005 0.073 0.1% Zhao HL-2012 8 327 0.0245 0.0005 0.073 0.1% Huang F-2015 5 114 0.0418 0.0333 0.0518 0.2% Huang F-2015 5 114 0.0439 0.0414 0.0994 0.0% Li W-2011 11 173 0.0306 0.0322 0.1094 0.0% Ma XX-2021 0 290 0.0004 0.0000 0.00082 0.0% Ma XX-20210 9 2090 0.0043 0.0119 0.0%	VVU JY-2017 Xia C 2012	11	740	- 0.0048	[0.0019; 0.0099]	0.1%	1.3%
Au WL_2018 43 15897 0.0027 [0.0020, 0.0036] 1.5% Yuan ZZ-2022 10 1604 0.0027 0.0025 [0.0005, 0.0013] 0.1% Zhang P.2015 3 1195 0.025 [0.0005, 0.0073] 0.1% Zhao HL_2012 8 327 0.0245 [0.0006, 0.0012] 2.5% Feng Y.2015 21 26583 0.0048 [0.0005, 0.0012] 2.5% Huang F.2015 5 5144 0.0439 [0.0044, 0.0994] 0.0% Li W.2011 11 173 0.0036 [0.0322, 0.10994] 0.0% Ma XX-2021 0 290 0.0000 [0.0000, 0.0126] 0.0% Shu Y.2019 22 1232 0.0043 [0.0020, 0.0082] 0.2% Shu Y.2019 22 1232 0.0043 [0.0020, 0.0082] 0.2% Shu Y.2019 22 1232 0.079 [0.01120, 0.0289] 0.0%	Xiao 7Y-2016	32	8952 +	0.0147	[0.0074, 0.0261]	0.1%	1.3%
Yuan ZZ-2022 10 1604 0.0062 [0.0030, 0.0114] 0.2% Zhang P-2015 3 1195 0.0062 [0.0005, 0.0073] 0.1% Zhang P-2015 3 1195 0.0245 [0.0106, 0.0476] 0.0% Zhang Y-2015 21 26583 % 0.00245 [0.0106, 0.0476] 0.0% Liwang Y-2015 21 26583 % 0.0048 [0.0033, 0.0518] 0.2% Huang F-2015 5 5144 0.0439 [0.0144, 0.0994] 0.0% Li W-2011 11 173 0.0063 [0.0322, 0.1109] 0.0% Ma X2-2021 0 290 0.0000 [0.0002, 0.0062] 0.2% Shu Y-2019 22 1232	Xu WL-2018	43 1	5897	0.0030	[0.0020 0.0036]	1.5%	1.4%
Zhang P-2015 3 1195 0.0025 [0.0005, 0.0073] 0.1% Zhang HL-2012 8 327 0.0025 [0.0005, 0.0073] 0.1% Zheng Y-2015 21 26583 0.0008 [0.0005, 0.0012] 2.5% Feng Y-2018 80 1912 0.0418 [0.0332, 0.0518] 0.2% Huang F-2015 5 114 0.0439 [0.0144, 0.0994] 0.0% Li W-2011 11 173 0.0000 0.00000 [0.0026, 0.0082] 0.2% Ma XX-2021 0 290 0.00001 0.00000 [0.0126] 0.0% Ma Z-2010 9 2090 0.0043 [0.0020, 0.0082] 0.2% Shu Y-2019 22 1232 0.0179 [0.0112, 0.0289] 0.1% Li W-2019 21 122 0.0179 [0.0112, 0.0289] 0.0%	Yuan ZZ-2022	10	1604 -	0.0062	[0.0030; 0.0114]	0.2%	1.3%
Zhao HL-2012 8 327 0.0245 [0.0106] 0.0% Zheng Y-2015 21 26583 0.0008 [0.0005] 0.012] 2.5% Feng Y-2015 21 26583 0.00418 [0.0333] 0.0518] 0.2% Huang F-2015 5 114 0.0418 [0.0333] 0.0518] 0.2% Li W-2011 11 173 0.0636 [0.0322] 0.109 0.0% Ma XX-2021 0 290 0.0000 [0.0002] 0.0% Ma Z-2010 9 2090 0.0043 [0.0122] 0.2% Shu Y-2019 22 1232 0.0179 [0.0112] 0.0269 0.1%	Zhang P-2015	3	1195	0.0025	[0.0005; 0.0073]	0.1%	1.3%
Zheng Y.2015 21 26583 0.0008 [0.0005, 0.0012] 2.5% Feng Y.2018 80 1912 0.0418 [0.0033; 0.0518] 0.2% Huang F.2015 5 114 0.0439 [0.0094] 0.0% Li W.2011 11 173 0.0636 [0.0322; 0.1109] 0.0% Ma XX-2021 0 290 0.0000 [0.0006; 0.0012] 2.5% Ma Z-2010 9 2090 0.0043 [0.0020; 0.0062] 0.2% Shu Y-2019 22 1232 0.0179 [0.0112; 0.0269] 0.1% Li W 2009 11 502 0.0179 [0.0112; 0.0269] 0.0%	Zhao HL-2012	8	327 -	0.0245	[0.0106; 0.0476]	0.0%	1.1%
Heng Y-2018 80 1912 0.0418 [0.0333, 0.0518] 0.2% Huang F-2015 5 114 0.0439 [0.0144, 0.0994] 0.0% Li W-2011 11 173 0.0636 [0.0322, 0.1109] 0.0% Ma XX-2021 0 290 0.0000 [0.0020, 0.0082] 0.2% Shu Y-2019 22 1232 0.079 [0.0112, 0.0269] 0.1% Li W-2019 22 1232 0.079 [0.0112, 0.0269] 0.1%	Zheng Y-2015	21 2	6583 0	8000.0	[0.0005; 0.0012]	2.5%	1.4%
Truang F-2013 5 114	Feng Y-2018	80	1912	0.0418	[0.0333; 0.0518]	0.2%	1.4%
Linx 2011 11 113 0.0030 [0.0326] 0.0109 0.0% Ma XX.2021 0 290 - 0.0000 [0.0126] 0.0% Ma Z2010 9 2090 - 0.0043 [0.0000, 0.0126] 0.0% Shu Y.2019 22 1232 - 0.0179 [0.0112, 0.0269] 0.1% Linx Y.2019 21 1502 - 0.0110 0.01301 0.0%	Huang F-2015	5	173	0.0439	[0.0144; 0.0994]	0.0%	0.8%
Ma Z-2010 9 2090 0.0043 [0.0020, 0.0020] 0.2% Shu Y-2019 22 1232 0.0179 [0.0112, 0.0269] 0.1% Lin X 12008 11 502 0.0143 [0.012, 0.0269] 0.0%	Ma XX-2011	0	290	0.0030	[0.0322, 0.1109]	0.0%	1 1%
Shu Y-2019 22 1232 - 0.0179 [0.0112; 0.0269] 0.1%	Ma Z-2010	9	2090 +	0.0043	[0.0020 0.0082]	0.2%	1.4%
	Shu Y-2019	22	1232	0.0179	[0.0112: 0.0269]	0.1%	1.3%
Liu X3-2000 11 302 1 0.078	Liu XJ-2008	11	502 -		[0.0110; 0.0389]	0.0%	1.2%
Common effect model 439018 0.0006 [0.0005; 0.0007] 41.1%	Common effect model	43	9018	0.0006	[0.0005; 0.0007]	41.1%	F2 99/
Heterogeneity: $l^2 = 97\%$, $\tau^2 = 0.0029$, $p < 0.01$	Heterogeneity: $I^2 = 97\%$, $\tau^2 =$	= 0.0029, p <	0.01	0.0045	[0.0023, 0.0072]		02.070
Common effect model 1067052 0.0010 [0.0010; 0.0011] 100.0%	Common effect model	106	7052	0.0010	[0.0010; 0.0011]	100.0%	100.0%

Figure S24. Forest plot of anti-HEV IgM prevalence in the general population in the coastal and inland areas

									Weight	Weight
Study	Events	Total					Proportion	95%-CI	(common)	(random)
region_2 = coastal pro	vinces			l.						
You QZ-2019	1113	5552	+	ļ.			0.2005	[0.1900; 0.2112]	5.7%	4.4%
Gao DY-2004	509	2042		l.			0.2493	[0.2306; 0.2686]	1.8%	4.3%
Huang GY-2009	1013	3044					0.3328	[0.3160; 0.3498]	2.3%	4.4%
Huang XY-2012	501	2250	+	l.			0.2227	[0.2056; 0.2404]	2.2%	4.4%
Li W-2018	4923	10008		ii -		÷	0.4919	[0.4821; 0.5018]	6.6%	4.4%
Sang LY-2007	1107	3701					0.2991	[0.2844; 0.3141]	2.9%	4.4%
Wang L-2013	1788	4396		i -	-		0.4067	[0.3922; 0.4214]	3.0%	4.4%
Yan GX-2004	1269	3047		l.			0.4165	[0.3989; 0.4342]	2.1%	4.4%
Zhang LM-2017	95	739	+				0.1286	[0.1053; 0.1548]	1.1%	4.3%
Chen X-2019	799	4044	+	1			0.1976	[0.1854; 0.2102]	4.2%	4.4%
Guo QS-2010	11433	34680		+			0.3297	[0.3247; 0.3346]	26.0%	4.4%
Ren F-2013	1397	4500					0.3104	[0.2969; 0.3242]	3.5%	4.4%
Tsoi WC-2020	315	2000	+	1			0.1575	[0.1418; 0.1742]	2.5%	4.4%
Wen GP-2018	1227	5345	+				0.2296	[0.2183; 0.2411]	5.0%	4.4%
Zhuang W-2014	113	486		1			0.2325	[0.1956; 0.2727]	0.5%	4.2%
Common effect model		85834		0			0.3076	[0.3046; 0.3106]	69.4%	
Random effects mode	1		-	>			0.2806	[0.2288; 0.3323]		65.3%
Heterogeneity: $I^2 = 100\%$,	$\tau^2 = 0.0104$	4, p = 0								
region_2 = inland region	ons			ł						
Gao DY-2004	1295	4946	+	ł			0.2618	[0.2496; 0.2743]	4.2%	4.4%
Gao XL-2002	1	182 -		l –			0.0055	[0.0001; 0.0302]	5.5%	4.4%
Liu XG-2007	167	500			-		0.3340	[0.2927; 0.3772]	0.4%	4.2%
Yang LL-2015	966	3654	+	i			0.2644	[0.2501; 0.2790]	3.1%	4.4%
Yu Q-2022	183	1076		1			0.1701	[0.1481; 0.1939]	1.3%	4.3%
Fu P-2021	249	1864	-#	1			0.1336	[0.1185; 0.1499]	2.7%	4.4%
Guo QS-2010	3175	10136		111			0.3132	[0.3042; 0.3224]	7.8%	4.4%
Ren F-2013	1548	6241	Ŧ	1			0.2480	[0.2374; 0.2589]	5.5%	4.4%
Common effect model		28599	\$	1			0.2123	[0.2077; 0.2168]	30.6%	
Random effects mode	l.			÷			0.2159	[0.1409; 0.2909]	22	34.7%
Heterogeneity: $I^2 = 100\%$,	$\tau^2 = 0.0110$	6, p = 0		l						
Common effect model		114433		ļ.			0.2785	[0.2760; 0.2810]	100.0%	
Random effects mode	l		\sim	>	T	-1	0.2581	[0.2144; 0.3017]	-	100.0%
Heterogeneity: $I^2 = 100\%$,	$\tau^2 = 0.0113$	3, <i>p</i> = 0	0.1 0.2	0.3	0.4	0.5	5			
Test for subgroup differen	ces (comm	non effect): χ_4^2	= 1163.25, df =	= <mark>1 (</mark> p <	< 0.01))				
Test for subgroup differen	ces (rando	m effects): χ_1^2	= 1.93, df = 1 (p = 0.1	16)					

Figure S25. Forest plot of anti-HEV IgG prevalence in volunteer blood donors in the coastal and inland areas

						Weight	Weight
Study	Events	Total	P	roportion	95%-CI	(common)	(random)
region 2 = inland regi	ons						
Cheng WG-2006	66	8213		0.0080	[0.0062; 0.0102]	4.9%	5.3%
Ge SX-2006	92	10139		0.0091	[0.0073; 0.0111]	6.8%	5.5%
Li W-2018	167	10008		0.0167	[0.0143; 0.0194]	12.5%	5.7%
Liu XG-2007	14	500	• • • • • • • • • • • • • • • • • • • •	0.0280	[0.0154; 0.0465]	1.1%	3.7%
Yang LL-2015	73	3654		0.0200	[0.0157; 0.0251]	5.5%	5.4%
Yu Q-2022	10	1076		0.0093	[0.0045; 0.0170]	0.7%	3.1%
Fu P-2021	21	1864		0.0113	[0.0070; 0.0172]	1.6%	4.2%
Guo QS-2010	92	10136		0.0091	[0.0073; 0.0111]	6.8%	5.5%
Ren F-2013	66	6241		0.0106	[0.0082; 0.0134]	4.9%	5.3%
Common effect mode	I	51831	•	0.0123	[0.0114; 0.0133]	44.9%	
Random effects mode	el .		\diamond	0.0123	[0.0094; 0.0160]		43.5%
Heterogeneity: $I^2 = 89\%$,	$\tau^2 = 0.1409$	<i>p</i> < 0.01					
region_2 = coastal pro	ovinces						
You QZ-2019	42	5552		0.0076	[0.0055; 0.0102]	3.1%	4.9%
Ge SX-2006	62	3482		0.0178	[0.0137; 0.0228]	4.7%	5.2%
Huang GY-2009	28	1516		0.0185	[0.0123; 0.0266]	2.1%	4.5%
Huang XY-2012	37	2250		0.0164	[0.0116; 0.0226]	2.8%	4.8%
Sang LY-2007	50	3701	- -	0.0135	[0.0100; 0.0178]	3.7%	5.1%
Yan GX-2004	46	3047	÷	0.0151	[0.0111; 0.0201]	3.4%	5.0%
Zhang LM-2017	6	739 -		0.0081	[0.0030; 0.0176]	0.4%	2.4%
Chen X-2019	43	4044		0.0106	[0.0077; 0.0143]	3.2%	5.0%
Guo QS-2010	328	34680		0.0095	[0.0085; 0.0105]	24.4%	5.9%
Ren F-2013	43	4500		0.0096	[0.0069; 0.0128]	3.2%	5.0%
Tsoi WC-2020	16	2000		0.0080	[0.0046; 0.0130]	1.2%	3.8%
Wen GP-2018	38	5345		0.0071	[0.0050; 0.0097]	2.8%	4.8%
Common effect mode	1	70856	0	0.0108	[0.0101; 0.0116]	55.1%	
Random effects mode			\$	0.0114	[0.0093; 0.0139]		56.5%
Heterogeneity: I ² = 81%,	$\tau^2 = 0.0940$	<i>p</i> < 0.01			-		
Common effect mode	1	122687		0.0115	[0.0109; 0.0121]	100.0%	
Random effects mode	el .		<u>خ</u>	0.0117	[0.0100; 0.0137]		100.0%
Heterogeneity: $I^2 = 86\%$,	$\tau^2 = 0.1068$	p < 0.01	0.01 0.02 0.03 0.04				
Test for subgroup differer	nces (comm	non effect)	$\chi_1^2 = 5.46$, df = 1 (p = 0.02)				
Test for subgroup differer	nces (rando	m effects)	$\chi_1^2 = 0.19$, df = 1 (p = 0.66)				

Figure S26. Forest plot of anti-HEV IgM prevalence in volunteer blood donors in the coastal and inland areas



Figure S27. Forest plot of anti-HEV IgG prevalence in the general population in the western and non-western regions

Study	Events	Total	Proportion	95%-CI	(common)	(random)
region_3 = Other	26	5012	0.005	10 0024-0 00761	0.5%	1 20/
Ril-2008	20	1001	0.0052	[0.0034, 0.0076]	0.5%	1.3%
Cao HJ-2004	43	1934	0.0222	[0.0161: 0.0298]	0.1%	1.3%
Zhang MM-2013	3	835	- 0.0036	[0.0007; 0.0105]	0.1%	1.2%
Chen JZ-2014	6	14275	0.0004	[0.0002; 0.0009]	1.3%	1.3%
Chen JZ-2014	11	21612	0.0005	[0.0003; 0.0009]	2.0%	1.3%
Jiang RJ-2006	19	10150	- 0.0078	[0.0002, 0.0097]	0.9%	1.3%
Gao YP-2013	20	26780	0.0007	[0.0005; 0.0012]	2.5%	1.3%
Ge SX-2006	108	4110	0.0263	[0.0216; 0.0316]	0.4%	1.3%
Gong Q-2012	45	10220	0.0044	[0.0032; 0.0059]	0.9%	1.3%
Wang FD-2004	26	850	0.0306	[0.0201; 0.0445]	0.1%	1.2%
Jiang T-2018	26	9797	0.0027	[0.0017; 0.0039]	0.9%	1.3%
Kong P-2013	22	33211	0.0007	[0.0004; 0.0010]	3.1%	1.3%
Li SB-2010	4	76654	0.020	[0.0000: 0.0001]	7.1%	1.2%
Li WJ-2007	5	1553	0.0032	[0.0010; 0.0075]	0.1%	1.3%
Li XJ-2019	55	16022	0.0034	[0.0026; 0.0045]	1.5%	1.3%
Lin Q-2012	4	5681	0.004	[0.0002; 0.0002]	0.5%	1.3%
Liu DX-2019	33	40182	0.0008	[0.0006; 0.0012]	3.7%	1.3%
Liu F-2018	6	9529	0.0006	[0.0002; 0.0014]	0.9%	1.3%
Liu JY-2016	3	2127	0.0012	[0.0003; 0.0041]	0.2%	1.3%
Liu Y-2013	115	25391	0.0045	[0.0037; 0.0054]	2.4%	1.3%
Zhang LF-2003	19	2223	↔ 0.0085	[0.0052; 0.0133]	0.2%	1.3%
Qiu SH-2013 Shao HW 2000	27	27977	0.0010	[0.0006; 0.0014]	2.6%	1.3%
Sun C-2016	214	128833	0.001	[0.0014: 0.0019]	11.9%	1.2%
Sun JW-2009	65	3994	+ 0.0163	[0.0126; 0.0207]	0.4%	1.3%
Sun LP-2004	20	1043	0.0192	[0.0118; 0.0295]	0.1%	1.2%
Mang DM-2016	13	288	- 0.045	[0.0243; 0.0760]	0.0%	1.0%
Wu ZH-2017	5	32120	0.0002	[0.0001; 0.0004]	3.0%	1.3%
Xing Y-2016	164	95217	0.0017	[0.0015; 0.0020]	8.8%	1.3%
Yang XY-2016 Zhang W/S 2012	26	12271	0.0021	[0.0014; 0.0031]	1.1%	1.3%
Zhang XF-2007	103	4139	0.0249	[0.0204: 0.0301]	0.0%	1.3%
Zhao HL-2012	8	327	0.0245	[0.0106; 0.0476]	0.0%	1.1%
Zhao JN-2017	10	10000	0.0010	[0.0005; 0.0018]	0.9%	1.3%
Zheng RD-2013 Zheng Y-2014	124	118253	0.0000	[0.0000; 0.0043]	0.1%	1.2%
Cai Y-2017	21	1842	0.0114	[0.0071; 0.0174]	0.2%	1.3%
Cong W-2014	35	965	0.0363	[0.0254; 0.0501]	0.1%	1.2%
Geng Y-2019	5	421	0.0119	[0.0039; 0.0275]	0.0%	1.1%
Rui Z-2018	4	208	0.0000	[0.0000; 0.0176]	0.0%	0.9%
Shu Y-2019	22	1232	0.0179	[0.0112; 0.0269]	0.1%	1.2%
Wang Y-2018	10	14/5	+ 0.0068	[0.0033; 0.0124]	0.1%	1.3%
Zhang W-2009	29	1476		[0.0128, 0.0207]	0.4%	1.3%
Liu XJ-2008	11	502	0.0219	[0.0110; 0.0389]	0.0%	1.1%
Common effect model		788112	0.0012	[0.0011; 0.0013]	73.1%	67.09/
Heterogeneity: $l^2 = 98\%$ τ	$2^{2} = 0.0028$	n = 0	0.0060	[0.0039; 0.0085]		07.2%
Therefogenergy, r	0.0020	, p - 0				
region_3 = The West	2	0607	0.000	10 0000- 0 00081	0.00/	1 20/
Duan 7J-2014	15	10803	0.0002	[0.0000, 0.0008]	1.0%	1.3%
Wang XJ-2018	5	31696	0.0002	[0.0001; 0.0004]	2.9%	1.3%
Han XX-2010	6	11362	0.0005	[0.0002; 0.0011]	1.1%	1.3%
Jin LP-2012	6	11461	0.0005	[0.0002; 0.0011]	1.1%	1.3%
Luo Y-2011	7	31137	0.0002	[0.0001; 0.0005]	2.9%	1.3%
Ma SB-2014	11	5639	0.0020	[0.0010; 0.0035]	0.5%	1.3%
Ma XL-2015	12	3707	0.0032	[0.0017; 0.0056]	0.3%	1.3%
Wang JF-2021	29	11938	0.0000	[0.0016: 0.0035]	1.1%	1.3%
Wang LP-2013	10	25180	0.0004	[0.0002; 0.0007]	2.3%	1.3%
Wang XH-2018	41	36152	0.001	[0.0008; 0.0015]	3.4%	1.3%
Wu ZI-2013 Wu JZ-2017	14	4441	0.0032	[0.0017; 0.0053]	0.4%	1.3%
Xia C-2012	11	749	0.0147	[0.0074; 0.0261]	0.1%	1.2%
Xiao ZY-2016	32	8952	0.0036	[0.0024; 0.0050]	0.8%	1.3%
Xu WL-2018 Yuan 77 2022	43	15897	0.0027	[0.0020; 0.0036]	1.5%	1.3%
Zhang P-2015	3	1195	0.002	[0.0005: 0.0073]	0.1%	1.2%
Zheng Y-2015	21	26583	0.0008	[0.0005; 0.0012]	2.5%	1.3%
Feng Y-2018	80	1912	0.0418	[0.0333; 0.0518]	0.2%	1.3%
Li W-2011	5	173	0.0439	[0.0144; 0.0994]	0.0%	0.8%
Ma XX-2021	0	290	- 0.0000	[0.0000; 0.0126]	0.0%	1.0%
Ma Z-2010	9	2090	0.0043	[0.0020; 0.0082]	0.2%	1.3%
Random effects model		290246	0.0000	[0.0005; 0.0008]	26.9%	32 8%
Heterogeneity: $l^2 = 96\%$, τ	² = 0.0027	, p < 0.01	0.0032	[0.0011, 0.0001]		02.070
Common effect model		1078358	0.0010	[0.0010; 0.0011]	100.0%	100.0%
Random effects model			0.0050	[0.0034; 0.0069]	()	100.0%
Heterogeneity: $I^2 = 97\%$, τ Test for subgroup difference Test for subgroup difference	f = 0.0028 ces (comr ces (rando	p = 0 (non effect): m effects):	0.02 0.04 0.06 0.08 0.1 $_{1}^{2} = 37.57$, df = 1 ($p < 0.01$) $_{2}^{2} = 2.26$, df = 1 ($p = 0.13$)			

Figure S28. Forest plot of anti-HEV IgM prevalence in the general population in the western and non-western regions

								Weight	Weight
Study	Events	Total				Proportion	95%-CI	(common)	(random)
region_3 = Other				1					
You QZ-2019	1113	5552	*	i.		0.2005	[0.1900; 0.2112]	5.7%	4.6%
Gao DY-2004	1488	6280	*	1		0.2369	[0.2265; 0.2477]	5.8%	4.6%
Gao XL-2002	1	182 -		į.		0.0055	[0.0001; 0.0302]	5.5%	4.6%
Huang GY-2009	1013	3044		· -+-		0.3328	[0.3160; 0.3498]	2.3%	4.6%
Huang XY-2012	501	2250				0.2227	[0.2056; 0.2404]	2.2%	4.6%
Liu XG-2007	167	500		i		0.3340	[0.2927; 0.3772]	0.4%	4.4%
Sang LY-2007	1107	3701				0.2991	[0.2844; 0.3141]	2.9%	4.6%
Wang L-2013	1788	4396			+	0.4067	[0.3922; 0.4214]	3.0%	4.6%
Yan GX-2004	1269	3047		1	- -	0.4165	[0.3989; 0.4342]	2.1%	4.6%
Yang LL-2015	966	3654	-	1		0.2644	[0.2501; 0.2790]	3.1%	4.6%
Yu Q-2022	183	1076		į.		0.1701	[0.1481; 0.1939]	1.3%	4.5%
Zhang LM-2017	95	739		1		0.1286	[0.1053; 0.1548]	1.1%	4.5%
Chen X-2019	799	4044	+	1		0.1976	[0.1854; 0.2102]	4.2%	4.6%
Guo QS-2010	14608	44816		+		0.3260	[0.3216; 0.3303]	33.8%	4.6%
Ren F-2013	1855	6878	1	e e		0.2697	[0.2592; 0.2804]	5.8%	4.6%
Tsoi WC-2020	315	2000	-+-	i.		0.1575	[0.1418; 0.1742]	2.5%	4.6%
Wen GP-2018	1227	5345	+	1		0.2296	[0.2183; 0.2411]	5.0%	4.6%
Zhuang W-2014	113	486	· · · · ·			0.2325	[0.1956; 0.2727]	0.5%	4.5%
Common effect model		97990)	i.		0.2654	[0.2627; 0.2681]	87.1%	
Random effects model				+		0.2460	[0.1996; 0.2924]		81.8%
Heterogeneity: $I^2 = 100\%$,	$\tau^2 = 0.010$	0, p = 0							
region_3 = The West									
Gao DY-2004	316	708		1		0.4463	[0.4093; 0.4838]	0.5%	4.5%
Li W-2018	4923	10008		1	-	0.4919	[0.4821; 0.5018]	6.6%	4.6%
Fu P-2021	249	1864	+	1		0.1336	[0.1185; 0.1499]	2.7%	4.6%
Ren F-2013	1090	3863		1		0.2822	[0.2680; 0.2966]	3.2%	4.6%
Common effect model		16443		•		0.3651	[0.3581; 0.3721]	12.9%	
Random effects model				T		0.3383	[0.1777; 0.4988]		18.2%
Heterogeneity: $I^2 = 100\%$,	τ ² = 0.026	7, p = 0							
Common effect model		114433		ļ.		0.2783	[0.2758; 0.2808]	100.0%	
Random effects model			\sim	>	<u> </u>	0.2627	[0.2145; 0.3110]		<mark>100.0%</mark>
Heterogeneity: $I^2 = 100\%$, Test for subgroup difference Test for subgroup difference	τ ² = 0.013 ces (comm ces (rando	2, $p = 0$ non effect): χ m effects): χ	0.1 0.2 = 675.33, df = = 1.17, df = 1	0.3 0 1 (p < 0. (p = 0.28	.4 0. 01))	5			

Figure S29. Forest plot of anti-HEV IgG prevalence in volunteer blood donors in the western and non-western regions

Study	Events	Total	Proportion 95%-CI (co	Weight ommon)	Weight (random)
region_3 = Other					
Cheng WG-2006	66	8213		4.9%	5.9%
You QZ-2019	42	5552	0.0076 [0.0055; 0.0102]	3.1%	5.5%
Ge SX-2006	154	13621	0.0113 [0.0096; 0.0132]	11.5%	6.4%
Huang GY-2009	28	1516	0.0185 [0.0123; 0.0266]	2.1%	5.1%
Huang XY-2012	37	2250	0.0164 [0.0116; 0.0226]	2.8%	5.4%
Liu XG-2007	14	500	0.0280 [0.0154; 0.0465]	1.1%	4.1%
Sang LY-2007	50	3701	0.0135 [0.0100; 0.0178]	3.7%	5.7%
Yan GX-2004	46	3047	0.0151 [0.0111; 0.0201]	3.4%	5.6%
Yang LL-2015	73	3654	0.0200 [0.0157; 0.0251]	5.5%	6.0%
Yu Q-2022	10	1076	0.0093 [0.0045; 0.0170]	0.7%	3.5%
Zhang LM-2017	6	739	0.0081 [0.0030; 0.0176]	0.4%	2.6%
Chen X-2019	43	4044	0.0106 [0.0077; 0.0143]	3.2%	5.5%
Guo QS-2010	420	44816	0.0094 [0.0085; 0.0103]	31.3%	6.6%
Ren F-2013	73	6878	0.0106 [0.0083; 0.0133]	5.4%	6.0%
Tsoi WC-2020	16	2000	0.0080 [0.0046; 0.0130]	1.2%	4.2%
Wen GP-2018	38	5345	0.0071 [0.0050; 0.0097]	2.8%	5.4%
Common effect model		106952	0.0108 [0.0102; 0.0115]	83.2%	
Random effects mode Heterogeneity: $I^2 = 84\%$, 1	el c ² = 0.1150	, <i>p</i> < 0.01	 0.0117 [0.0097; 0.0141] 		83.6%
region_3 = The West					
Li W-2018	167	10008	0.0167 [0.0143; 0.0194]	12.5%	6.4%
Fu P-2021	21	1864	0.0113 [0.0070; 0.0172]	1.6%	4.7%
Ren F-2013	36	3863	0.0093 [0.0065; 0.0129]	2.7%	5.4%
Common effect model		15735	0.0147 [0.0129; 0.0167]	16.8%	
Random effects mode Heterogeneity: 1 ² = 83%, 1	$r^2 = 0.0827$, p < 0.01	0.0124 [0.0086; 0.0180]		16.4%
Common effect model	Í	122687	0.0114 [0.0108; 0.0120]	100.0%	
Random effects mode	ł		o.0118 [0.0100; 0.0139]		100.0 %
Heterogeneity: $l^2 = 85\%$	$r^2 = 0.1027$	p < 0.01	0 01 0 02 0 03 0 04		
Test for subaroup differen	ices (comn	non effect)	$\gamma_{r}^{2} = 17.25$, df = 1 (p < 0.01)		
Test for subgroup differen	ices (rando	m effects)	$\chi_1^2 = 0.09, df = 1 \ (p = 0.77)$		

Figure S30. Forest plot of anti-HEV IgM prevalence in volunteer blood donors in the western and non-western regions



Figure S31. Forest plot of anti-HEV IgG prevalence in the general population in the urban and rural areas



Figure S32. Forest plot of anti-HEV IgM prevalence in the general population in the urban and rural areas

Study	Events	Total	Proportion	95%-CI (Weight common)	Weight (random)
Studyperiod = 2001-20	05	10000			period and an	
Zhang ZX-2003	210	574	- 0.3659	[0.3264; 0.4067]	0.1%	0.9%
Cao H.I.2004	0000 0000	12000	+ 0.3351	[0.4304, 0.4538]	0.5%	0.9%
Shen JY-2007	749	1570	+ 0.4771	[0.4521; 0.5021]	0.4%	0.9%
Chen YZ-2006	254	1084	+ 0.2343	[0.2094; 0.2607]	0.3%	0.9%
Gong YH-2005	134	144	-+ 0.9306	[0.8760; 0.9662]	0.0%	0.9%
Yao ME-2007 Mong 7H 2005	635	1316	+ 0.4825	[0.4552; 0.5099]	0.3%	0.9%
Wang FD-2003	394	850	+ 0.4635	[0.4296; 0.4977]	0.2%	0.9%
Zheng YJ-2005	319	512	-+ 0.6230	[0.5795; 0.6652]	0.1%	0.9%
Li B-2003	14	178	+ 0.0787	[0.0437; 0.1284]	0.0%	0.9%
LI WJ-2007	337	1553	+ 0.21/0 1715	[0.1967; 0.2383]	0.4%	0.9%
Wang HR-2007	515	2209	+ 0.2331	[0.2156: 0.2513]	0.5%	0.9%
Liu XG-2007	81	300	0.2700	[0.2206; 0.3240]	0.1%	0.9%
Lu YH-2006	421	663	0.6350	[0.5971; 0.6717]	0.2%	0.9%
Luo YX-2005	215	3864	* 0.0556	[0.0486; 0.0633]	0.9%	0.9%
Tian JS-2007	35	778	+ 0.4502	[0.0315: 0.0620]	0.2%	0.9%
Wang ZZ-2007	1105	1234	+ 0.8955	[0.8770; 0.9120]	0.3%	0.9%
Wu CH-2003	4	148	0.0270	[0.0074; 0.0678]	0.0%	0.9%
Zhang XE-2007	2152	4139	+ 0.5199	[0.5046; 0.5353]	1.0%	0.9%
Zhong 3Q-2007 Zhu GZ-2007	1127	4944	• 0.3000	[0.3363, 0.3944]	1.2%	0.9%
Jia Z-2014	3719	15852	0.2346	[0.2280; 0.2413]	3.8%	0.9%
Li RC-2006	4839	10715	= 0.4516	[0.4422; 0.4611]	2.6%	0.9%
Wong KH-2004	176	934	- 0.1884	[0.1638; 0.2150]	0.2%	0.9%
Common effects model		73982	0.3352	[0.3318; 0.3386]	17.9%	24 4%
Heterogeneity: $l^2 = 100\%$,	$\tau^2 = 0.074$	5, p = 0	0.0001	[0.2027, 0.4030]		24.470
Studyperiod = 2006-20	11					
AYiGuLi-2010	13	151	0.0861	[0.0466; 0.1427]	0.0%	0.9%
Bao ZY-2013 Bill 2008	28	180	U.1556	[0.1059; 0.2169]	0.0%	0.9%
Ning LF-2008	1086	3561	+ 0.3050	[0.2899; 0.3204]	0.9%	0.9%
Cheng Y-2007	10	140	0.0714	[0.0348; 0.1274]	0.0%	0.9%
Du L-2013	7	235	0.0298	[0.0121; 0.0604]	0.1%	0.9%
Fan LZ-2012 Gu HY-2013	505	6258	0.0000	[0.0000; 0.0231]	0.0%	0.9%
Yao XF-2013	806	2012	+ 0.4006	[0.3791; 0.4224]	0.5%	0.9%
Lu B-2008	208	1060	+ 0.1962	[0.1727; 0.2214]	0.3%	0.9%
Li MY-2008	169	768	+ 0.2201	[0.1912; 0.2510]	0.2%	0.9%
Lin CY-2009	403	4959	0.0813	[0.0738; 0.0892]	1.2%	0.9%
Liu XG-2008	209	566	- 0.3693	[0.3294: 0.4105]	0.2%	0.9%
Lu B-2008	373	828	+ 0.4505	[0.4162; 0.4851]	0.2%	0.9%
Lu J-2009	259	1977	+ 0.1310	[0.1164; 0.1467]	0.5%	0.9%
Shao HW-2009 Wang RL-2012	41 500	2028	+ 0.0633	[0.0458; 0.0849]	0.2%	0.9%
Xing XM-2011	185	812	- 0.2278	[0.1994; 0.2583]	0.2%	0.9%
Yang F-2012	893	3771	+ 0.2368	[0.2233; 0.2507]	0.9%	0.9%
Yang B-2013	40	597	+ 0.0670	[0.0483; 0.0901]	0.1%	0.9%
Yu DS-2011 Yu WX 2012	338	2429	0.1392	[0.1256; 0.1536]	0.0%	0.9%
Zhang P-2015	47	1195	+ 0.0393	[0.0290; 0.0520]	0.3%	0.9%
Zhao HL-2012	17	327	0.0520	[0.0306; 0.0819]	0.1%	0.9%
Zheng RD-2013	207	850	+ 0.2435	[0.2150; 0.2738]	0.2%	0.9%
Zheng SJ-2015 Zhong CE 2011	1074	205	+ 0.2683	[0.2090; 0.3345]	0.0%	0.9%
Zhou HF-2006	47	175	0.4000	[0.2045: 0.3407]	0.0%	0.9%
Chang Y-2009	522	2572	+ 0.2030	[0.1876; 0.2190]	0.6%	0.9%
Chiu DM-2013	129	450	+ 0.2867	[0.2453; 0.3309]	0.1%	0.9%
Dong C-2012	2/93	14208	0.1966	[0.1901; 0.2032]	3.4%	0.9%
Shenyang G-2011	37	456	+ 0.0811	[0.0578; 0.1101]	0.1%	0.9%
Gu G-2015	57	994	+ 0.0573	[0.0437, 0.0737]	0.2%	0.9%
Taniguchi M-2009	143	300	0.4767	[0.4190; 0.5348]	0.1%	0.9%
LI W-2011	1547	173	0.3988	[0.3253; 0.4759]	0.0%	0.9%
Ma Z-2010	407	2090	+ 0.1700	[0.1780; 0.2124]	0.5%	0.9%
Xue Y-2013	70	260	- 0.2692	[0.2163; 0.3275]	0.1%	0.9%
Yu Y-2009	988	4508	+ 0.2192	[0.2072; 0.2315]	1.1%	0.9%
Zhang W-2009	117	1476	0.0793	[0.0660; 0.0942]	0.4%	0.9%
Random effects model		02002	↓ U.1680 ↓ U.1680	[0.1348: 0.2122]	19.8%	37.8%
Heterogeneity: $I^2 = 99\%$, τ	² = 0.0282,	p = 0		,		
			1 B			

Studyperiod = 2012-2017	7							
Chen XM-2014	281	868	1	+	0.3237	[0.2927: 0.3560]	0.2%	0.9%
Du JY-2014	295	952	1	+	0.3099	[0.2806: 0.3403]	0.2%	0.9%
He YW-2018	15	35857	6 B		0.0004	10 0002 0 00071	8.7%	0.9%
Wu Y-2016	482	2206	1.	-	0.2185	[0 2014: 0 2363]	0.5%	0.9%
Wu IX 2016	287	1520	1		0 1877	[0.1684: 0.2082]	0.4%	0.9%
Wu IY-2016	112	312			0.3590	[0.3057:0.4149]	0.1%	0.9%
Huang SM 2017	273	5345	al -		0.0511	[0.0453: 0.0573]	1 3%	0.0%
Kong DG 2017	825	1045		+	0.4242	[0.4021: 0.4465]	0.5%	0.0%
Li IT 2014	107	1545	1		0.4242	[0.4021, 0.4403]	0.5%	0.9%
Bo ON 2019	124	836	1+		0.4320	[0.3000, 0.4709]	0.7%	0.9%
Lin IV 2016	57	2127			0.0268	[0.1243, 0.1743]	0.2%	0.9%
Ma TW/ 2012	31	2121			0.0200	[0.0204, 0.0340]	0.0%	0.9%
Dop VI 2021	0	102704			0.0000	[0.0003, 0.0343]	25.1%	0.0%
Sup 7H 2017	2555	103794	18 - C		0.0000	[0.0000, 0.0000]	23.170	0.9%
Sun 7 2014	471	1/032	- I		0.0004	[0.0014, 0.0004]	0.4%	0.9%
Tang WE 2014	4/1	1405	1		0.3170	[0.2939, 0.3420]	0.4%	0.9%
Wang DM 2016	29	1000	. 1		0.3001	[0.3090, 0.4007]	0.0%	0.9%
Wally DW-2010	210	1450	1.	_	0.0200	[0.0107, 0.0402]	0.270	0.9%
Via VIA 2015	014	1409	1	-	0.2123	[0.1917, 0.2344]	0.4%	0.9%
Zhang D 2022	1000	6402	1.		0.2002	[0.2457, 0.2750]	1.6%	0.9%
Zhang D-2022	1000	2057	12		0.1540	[0.1433, 0.1030]	0.7%	0.9%
Cai V 2017	400	1042	1.		0.1049	[0.1420, 0.1004]	0.1%	0.9%
Chan DD 2017	300	1042	1.1		0.1907	[0.1007, 0.2177]	0.470	0.9%
Chan DP-2017	43	208	1 7	<u> </u>	0.2007	[0.1538, 0.2082]	0.1%	0.9%
Cong V 2014	1227	1012	i.		0.2020	[0.2237, 0.2013]	0.2%	0.9%
Cong V 2010	1337	1912	1		0.0993	[0.0702, 0.7190]	0.3%	0.9%
Geng 1-2019	40	421	1		0.1009	[0.0790, 0.1404]	0.1%	0.9%
Liana LL 2014	74	102	1		0.1033	[0.0330, 0.1707]	0.0%	0.9%
Liang H-2014	2400	10244	1		0.3034	[0.3145, 0.4500]	0.0%	0.9%
LIU KSH-2019	3400	10241	j.		0.3320	[0.3237, 0.3420]	2.3%	0.9%
Rul Z-2010	222	1222		-	0.0709	[0.0440, 0.1219]	0.1%	0.9%
Shu 1-2019	525	1232	1	-	0.2022	[0.2370, 0.2077]	0.5%	0.9%
Zhang L 2017	019	2034	1		0.2027	[0.2340, 0.2721]	0.3%	0.9%
Common offect model	230	244222	. !		0.3933	[0.3340, 0.4337]	0.1%	0.9%
Common effects model		241222	1	_	0.0243	[0.0237; 0.0250]	58.3%	20 70/
Hotorogonoity: $l^2 = 100\%$ z^2	- 0.046	7 0 = 0			0.1950	[0.1402, 0.2577]	-	29.1 /0
neterogeneity. 7 – 100%, t	- 0.040	1, p = 0	1					
Studyperiod = 2018-2022	>		1					
Huang SY-2020	120	648	1 +		0 1852	[0 1560: 0 2173]	0.2%	0.9%
Xiao 78-2022	1217	4661	1	+	0.2611	[0 2485: 0 2740]	1 1%	0.9%
Li H 2021	280	6269			0.0461	[0.0410: 0.0516]	1.5%	0.9%
Ma XX-2021	13	290	_i		0.0448	[0.0241: 0.0754]	0.1%	0.9%
Wang V 2018	528	1475		+	0.3580	[0.3335: 0.3830]	0.1%	0.0%
Common effect model	520	133/3	4		0.1416	[0.3357: 0.1476]	3 2%	0.370
Random effects model		10040	1	-	0.1410	10 0582 0 20031	J.2 /0	4 5%
Heterogeneity: $l^2 = 100\%$, τ^2	= 0.036	1, p = 0			0.1000	[0.0002, 0.2000]		4.070
Studyperiod = 1997-2000)							
Yu LM-2001	54	417	+		0,1295	[0.0988; 0.1656]	0.1%	0.9%
Pan TJ-2002	0	1580	1		0 0000	0 0000 0 00231	0.4%	0.9%
Wang FY-1999	33	575	+		0.0574	[0.0398: 0.0797]	0.1%	0.9%
Yin YZ-2001	63	676	÷		0.0932	[0.0724; 0.1177]	0.2%	0.9%
Common effect model		3248	0 1		0.0251	0.0199: 0.03091	0.8%	
Random effects model			4		0.0528	0.0055: 0.14211		3.6%
Heterogeneity: $I^2 = 99\%$, $\tau^2 =$	0.0243	, p < 0.01						
Common effect model		413797	l I		0.0873	[0.0864; 0.0881]	100.0%	
Random effects model		r	<	>	0.2140	[0.1795; 0.2506]	100	100.0%
Heterogeneity: I^2 = 100%, τ^2 Test for subgroup difference Test for subgroup difference	= 0.053 s (comn s (rando	7, p = 0 0 non effect) m effects)	$\chi_{4}^{2} = 5$ $\chi_{4}^{2} = 2$	2 0.4 0.6 0.8 4625.31, df = 4 (p = 0) 1.81, df = 4 (p < 0.01)				

Figure S33. Forest plot of anti-HEV IgG prevalence in the general population in different study periods



Figure S34. Forest plot of anti-HEV IgM prevalence in the general population in different study periods

Study	Fuente	Tatal		Drepation	05%/ 01	Weight	Weight
Study	Events	Total		Proportion	95%-01	(common)	(random)
Studyperiod = 2006-20	11						
You QZ-2019	1113	5552	-	0.2005	[0.1900; 0.2112]	5.5%	4.0%
Huang GY-2009	1013	3044		0.3328	[0.3160; 0.3498]	2.2%	4.0%
Huang XY-2012	501	2250	-	0.2227	[0.2056; 0.2404]	2.1%	4.0%
Chen X-2019	273	1266		0.2156	[0.1933; 0.2393]	1.2%	4.0%
Guo QS-2010	9055	27932		0.3242	[0.3187; 0.3297]	20.4%	4.0%
Zhuang W-2014	113	486		0.2325	[0.1956; 0.2727]	0.4%	3.9%
Common effect model		40530		0.2913	[0.2869; 0.2957]	31.8%	04.00/
Random effects model	2 - 0.0004	0.01		0.2552	[0.2080; 0.3025]		24.0%
Heterogeneity. 7 – 99%, 1	- 0.0034	μ < 0.01					
Studyperiod = 2001-20	05						
Gao DY-2004	1804	6988	=	0.2582	[0.2479; 0.2686]	5.8%	4.0%
Liu XG-2007	167	500		0.3340	[0.2927; 0.3772]	0.4%	3.9%
Sang LY-2007	1107	3701	-	0.2991	[0.2844; 0.3141]	2.8%	4.0%
Yan GX-2004	1269	3047		0.4165	[0.3989; 0.4342]	2.0%	4.0%
Guo QS-2010	2023	10884	and and	0.3289	[0.3218; 0.3300]	12.2%	4.0%
Common offect model	2945	10741	T.	0.2742	[0.2000, 0.2027]	21 00/	4.0%
Random effects model		41001		0.3041	[0.2337, 0.3085]	51.6 /6	24 0%
Heterogeneity: $I^2 = 98\%$, τ	² = 0.0032	<i>p</i> < 0.01		0.0110	[0.2722, 0.0000]		24.070
Studyperiod = 1997-20	0.0						
Gao XL-2002	1	182 =		0.0055	[0.0001; 0.0302]	5.3%	4.0%
Studymoniad = 2042-20	47						
Studypenod - 2012-20	4023	10008		∓ 0.4010	10 4921: 0 50191	6 1%	4 0%
Wang L-2013	1788	4396	-	0.4919	[0.4021, 0.3010]	2 9%	4.0%
Yang 11-2015	966	3654	-	0 2644	[0.2501: 0.2790]	3.0%	4.0%
Zhang LM-2017	95	739		0.1286	[0.1053: 0.1548]	1.1%	4.0%
Chen X-2019	331	1618		0.2046	[0.1852: 0.2251]	1.6%	4.0%
Ma L-2015	87	366		0.2377	[0.1950; 0.2847]	0.3%	3.9%
Tsoi WC-2020	315	2000	-	0.1575	[0.1418; 0.1742]	2.4%	4.0%
Wang M-2017	1008	4046	+	0.2491	[0.2359; 0.2628]	3.5%	4.0%
Wen GP-2018	1227	5345	-	0.2296	[0.2183; 0.2411]	4.8%	4.0%
Common effect model		32172	•	0.3085	[0.3036; 0.3133]	26.0%	
Random effects model				0.2636	[0.1876; 0.3397]		36.0%
Heterogeneity: $I^2 = 100\%$,	$\tau^2 = 0.013$	4, p = 0					
Studyperiod = 2018-20	22						
Yu Q-2022	183	1076		0.1701	[0.1481; 0.1939]	1.2%	4.0%
Chen X-2019	195	1160		0.1681	[0.1470; 0.1909]	1.3%	4.0%
Fu P-2021	249	1864	-	0.1336	[0.1185; 0.1499]	2.6%	4.0%
Common effect model		4100	\$	0.1512	[0.1403; 0.1622]	5.1%	
Random effects model	2 0.00		 Image: A set of the set of the	0.1561	[0.1319; 0.1803]		12.0%
Heterogeneity: $I^{-} = 80\%$, τ	= 0.0004	, p < 0.01					
Common effect model		118845	6	0.2775	[0.2750; 0.2799]	100.0%	1/12
Random effects model	l.		\diamond	0.2515	[0.2108; 0.2922]		100.0%
		1		1	37 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		
Heterogeneity: $l^2 = 100\%$,	$\tau^2 = 0.010^{\circ}$	7, p = 0 0	0.1 0.2 0.3 0.4	0.5			
Test for subgroup difference	ces (comm	non effect): χ_4^2	= 3309.44, df = 4 (p = 0)				
Test for subgroup difference	ces (rando	m effects): χ_4^2	= 373.68, df = 4 (p < 0.01)				

Figure S35. Forest plot of anti-HEV IgG prevalence in volunteer blood donors in different study periods

Study	Events	Total		Proportion	95%-CI	Weight (common)	Weight (random)
studyperiod = 2001-200	05		ł				
Cheng WG-2006	66	8213		0.0080	[0.0062; 0.0102]	4.7%	5.2%
Ge SX-2006	154	13621	1	0.0113	[0.0096; 0.0132]	11.0%	5.6%
Liu XG-2007	14	500	· · · · · · · · · · · · · · · · · · ·	0.0280	[0.0154; 0.0465]	1.0%	3.6%
Sang LY-2007	50	3701	-{ *	0.0135	[0.0100; 0.0178]	3.6%	5.0%
Yan GX-2004	46	3047	[0.0151	[0.0111; 0.0201]	3.3%	5.0%
Guo QS-2010	138	13183		0.0105	[0.0088; 0.0124]	9.8%	5.6%
Ren F-2013	109	10741		0.0101	[0.0083; 0.0122]	7.8%	5.5%
Common effect model		53006	4	0.0111	[0.0103; 0.0121]	41.2%	
Random effects model			\diamond	0.0122	[0.0096; 0.0154]		35.5%
Heterogeneity: $I^2 = 78\%$, τ^2	² = 0.0863,	<i>p</i> < 0.01					
studyperiod = 2012-201	17		6				
You QZ-2019	42	5552		0.0076	[0.0055; 0.0102]	3.0%	4.9%
Li W-2018	167	10008		0.0167	[0.0143; 0.0194]	12.0%	5.7%
Yang LL-2015	73	3654		0.0200	[0.0157; 0.0251]	5.3%	5.3%
Zhang LM-2017	6	739 -		0.0081	[0.0030; 0.0176]	0.4%	2.3%
Chen X-2019	11	1618		0.0068	[0.0034; 0.0121]	0.8%	3.2%
Tsoi WC-2020	16	2000		0.0080	[0.0046; 0.0130]	1.1%	3.8%
Wang M-2017	60	4046		0.0148	[0.0113; 0.0190]	4.3%	5.2%
Wen GP-2018	38	5345		0.0071	[0.0050; 0.0097]	2.7%	4.8%
Common effect model		32962	(\$	0.0136	[0.0123; 0.0150]	29.6%	
Random effects model			\diamond	0.0107	[0.0077; 0.0147]		35.0%
Heterogeneity: $I^2 = 88\%$, τ^2	^c = 0.1750,	<i>p</i> < 0.01					
studyperiod = 2006-201	11						
Huang GY-2009	28	1516	i	0.0185	[0.0123; 0.0266]	2.0%	4.5%
Huang XY-2012	37	2250	<u> </u>	0.0164	[0.0116; 0.0226]	2.7%	4.8%
Chen X-2019	22	1266		0.0174	[0.0109; 0.0262]	1.6%	4.2%
Guo QS-2010	282	31633	+	0.0089	[0.0079; 0.0100]	20.1%	5.8%
Common effect model		36665	\$	0.0104	[0.0094; 0.0115]	26.3%	
Random effects model Heterogeneity $l^2 = 90\%$ τ^2	$2^{2} = 0.1150$	n < 0.01		0.0143	[0.0099; 0.0206]	-	19.2%
to the state of the option	0.1100,	P .0.01					
studyperiod = 2018-202	22	1070				0 70	0.404
Yu Q-2022	10	1076		0.0093	[0.0045; 0.0170]	0.7%	3.1%
Chen X-2019	10	1160		0.0086	[0.0041; 0.0158]	0.7%	3.1%
Fu P-2021	21	1864	1	0.0113	[0.0070; 0.0172]	1.5%	4.1%
Common effect model		4100	74	0.0101	[0.0074; 0.0137]	2.9%	40 20/
Random effects model		-	1	0.0101	[0.0074; 0.0137]		10.3%
Heterogeneity: $I^{-} = 0\%$, τ^{-}	= 0, p = 0.	/5					
Common effect model		126733	\$	0.0116	[0.0110; 0.0122]	100.0%	1
Random effects model			<u>خ</u>	0.0118	[0.0101; 0.0138]		100.0%
					8 88 8		
Heterogeneity: $I^2 = 84\%$, τ^2 Test for subgroup difference	² = 0.1048, ces (comm	p < 0.01	0.01 0.02 0.03 0.04 $\gamma_{0}^{2} = 16.53$, df = 3 ($p < 0.01$)				
Test for subgroup difference	es (randor	m effects)	$\chi_3^2 = 2.44$, df = 3 (p = 0.49)				

Figure S36. Forest plot of anti-HEV IgM prevalence in volunteer blood donors in different study periods

Study	Events	Total				Proportion	95%-CI	Weight (common)	Weight (random)
AYiGuLi-2010	13	151				0.0861	[0.0466; 0.1427]	0.1%	1.2%
Ai X-2009	5588	12555		13		0.4451	[0.4364; 0.4538]	5.4%	1.2%
Bao ZY-2013 Bi L-2008	156	1204	+			0.1556	[0.1059; 0.2169]	0.1%	1.2%
Bo QN-2018	127	1019	+			0.1246	[0.1050; 0.1465]	0.4%	1.2%
Cai YS-2013	230	510				0.4510	[0.4072; 0.4953]	0.2%	1.2%
Cao HJ-2004	881	2290		+		0.3847	[0.3647, 0.4050]	1.0%	1.2%
Shen JY-2007	749	1570		+		0.4771	[0.4521; 0.5021]	0.7%	1.2%
Chen XM-2014	281	868				0.3237	[0.2927; 0.3560]	0.4%	1.2%
Ning LF-2008	1086	3561		+		0.3050	[0.2899; 0.3204]	1.5%	1.2%
Cheng Y-2007	10	140				0.0714	[0.0348; 0.1274]	0.1%	1.2%
Du JY-2014	295	952		+		0.3099	[0.2806; 0.3403]	0.4%	1.2%
Du L-2013	7	235	-			0.0298	[0.0121; 0.0604]	0.1%	1.2%
You QZ-2012	1113	5552	0			0.2005	[0.1900; 0.2112]	2.4%	1.2%
Gao DY-2004	1804	6988		-		0.2582	[0.2479; 0.2686]	3.0%	1.2%
Gao XL-2002	505	182	-			0.0055	[0.0001; 0.0302]	0.1%	1.2%
Yao XF-2013	806	2012		+		0.4006	[0.3791: 0.4224]	0.9%	1.2%
He YW-2018	15	35857	a la companya da companya d			0.0004	[0.0002; 0.0007]	15.4%	1.2%
Wu Y-2016	482	2206	1-	•		0.2185	[0.2014; 0.2363]	0.9%	1.2%
Wu JY-2016 Wu JY-2016	317	611	1	T		0.2008	[0.2353, 0.2771]	0.7%	1.2%
Zhou X-2015	124	912	+			0.1360	[0.1144; 0.1599]	0.4%	1.2%
Huang GY-2009	1013	3044		+		0.3328	[0.3160; 0.3498]	1.3%	1.2%
Yao MF-2007 Huang SY-2020	635	1316	4	-		0.4825	[0.4552; 0.5099]	0.6%	1.2%
Wang FD-2004	394	850		2. 		0.4635	[0.4296; 0.4977]	0.4%	1.2%
Zhu JF-2007	29	176	-+	-		0.1648	[0.1132; 0.2280]	0.1%	1.2%
Kong DG-2017	825	1945	ļ	*		0.4242	[0.4021; 0.4465]	0.8%	1.2%
Lin CY-2009	403	4959				0.0813	[0.0738; 0.0892]	2.1%	1.2%
Liu JY-2016	57	2127	•			0.0268	[0.0204; 0.0346]	0.9%	1.2%
Liu XG-2008	571	1351	+			0.4226	[0.3961; 0.4495]	0.6%	1.2%
Lu YH-2006	421	663				0.6350	[0.5971: 0.6717]	0.8%	1.2%
Luo YX-2005	215	3864	п			0.0556	[0.0486; 0.0633]	1.7%	1.2%
Nong CS-2007	172	377				0.4562	[0.4051; 0.5080]	0.2%	1.2%
Wang DM-2016	28	1403	+			0.0280	[0.0187: 0.0402]	0.4%	1.2%
Wang FY-1999	33	575	+			0.0574	[0.0398; 0.0797]	0.2%	1.2%
Wang L-2013	1788	4396		+		0.4067	[0.3922; 0.4214]	1.9%	1.2%
Zhu JF-2006	72	409				0.7262	[0.6674: 0.8471]	0.2%	1.1%
Wang Q-2014	422	2812	+			0.1501	[0.1371; 0.1638]	1.2%	1.2%
Wang RL-2012	509	2028	Ι.	Ť		0.2510	[0.2322; 0.2705]	0.9%	1.2%
Xia XW-2015	914	3513	F	+		0.2022	[0.1754, 0.2310]	1.5%	1.2%
Xiao ZB-2022	1217	4661		*		0.2611	[0.2485; 0.2740]	2.0%	1.2%
Xing XM-2011	185	812	1-	1		0.2278	[0.1994; 0.2583]	0.3%	1.2%
Yang B-2013	40	597	+	1		0.2308	[0.0483: 0.0901]	0.3%	1.2%
Yang LL-2015	966	3654		+		0.2644	[0.2501; 0.2790]	1.6%	1.2%
Yin YZ-2001	63	676	+]			0.0932	[0.0724; 0.1177]	0.3%	1.2%
Yu WX-2012	138	5000				0.0276	[0.0232: 0.0325]	2.1%	1.2%
Zhang XF-2007	2152	4139		+		0.5199	[0.5046; 0.5353]	1.8%	1.2%
Zheng RD-2013	207	850		<u>†</u>		0.2435	[0.2150; 0.2738]	0.4%	1.2%
Zheng SJ-2015 Zhong CE-2011	1074	205		+		0.2083	[0.2090, 0.3345] [0.3900; 0.4279]	1.1%	1.2%
Zhong SQ-2007	702	1239			-	0.5666	[0.5385; 0.5944]	0.5%	1.2%
Zhou HF-2006	47	175		<u>.</u>		0.2686	[0.2045; 0.3407]	0.1%	1.2%
Chan DP-2017	492	1539	ſ	-		0.1987	[0.1807, 0.2177]	0.8%	1.2%
Chen X-2019	799	4044	+			0.1976	[0.1854; 0.2102]	1.7%	1.2%
Cong W-2014	404	1955	-			0.2066	[0.1889; 0.2253]	0.8%	1.2%
Eeng Y-2018	1337	1912	1		+	0.2218	[0.1967, 0.2485]	0.4%	1.2%
Fu P-2021	249	1864	+			0.1336	[0.1185; 0.1499]	0.8%	1.2%
Geng Y-2019	79	496	+			0.1593	[0.1282; 0.1945]	0.2%	1.2%
dia 7-2015	3719	1491	+			0.0751	[0.0623; 0.0897] [0.2280; 0.2413]	0.6%	1.2%
Taniguchi M-2009	143	300				0.4767	[0.4190; 0.5348]	0.1%	1.2%
Li H-2021	289	6269				0.0461	[0.0410; 0.0516]	2.7%	1.2%
Liu KSH-2019	3408	10241	1	6.0		0.3328	[0.3237; 0.3420]	4.4%	1.2%
Shu Y-2019	455	1505	Ţ	+		0.3023	[0.2792; 0.3262]	0.6%	1.2%
Tsoi WC-2020	315	2000	+			0.1575	[0.1418; 0.1742]	0.9%	1.2%
Wang M-2017 Wong KH-2004	1008	4046	Ļ			0.2491	[0.2359; 0.2628]	1.7%	1.2%
Xue Y-2013	164	529	l f			0.3100	[0.2708; 0.3514]	0.4%	1.2%
Zhang L-2018	1002	4102	1	÷		0.2443	[0.2312; 0.2577]	1.8%	1.2%
Common effect mode Random effects mode	1	232936		\$		0.1774 0.2406	[0.1759; 0.1790] [0.2012; 0.2823]	100.0%	100.0%
Heterogeneity: I ² = 100%,	$\tau^{-} = 0.048$	(, p = 0	0.	2 0.4 0).6 0.8				

Figure S37. Sensitivity analysis of anti-HEV IgG positivity (1)Studies with a JBI score ≤ 5 were excluded

Study	Events	Total	Proportion	95%-CI	Weight (common)	Weight (random)
Zhang ZX-2003	210	574	0.3659	[0.3264; 0.4067]	0.1%	0.7%
Ai X-2009	5588	12555	0.4451	[0.4364; 0.4538]	2.1%	0.7%
Bi L-2008	156	1204	+ 0.1296	[0.1111; 0.1499]	0.2%	0.7%
Bo QN-2018	12/	1019	+ 0.1246	[0.1050; 0.1465]	0.2%	0.7%
Cap H1 2004	230	2200	0.4510	[0.4072, 0.4953]	0.1%	0.7%
Shen JY-2007	749	1570	+ 0.3047	[0.3047, 0.4030]	0.4%	0.7%
Chen XM-2014	281	868	+ 0.3237	[0.2927: 0.3560]	0.1%	0.7%
Ning LF-2008	1086	3561	+ 0.3050	[0.2899; 0.3204]	0.6%	0.7%
Chen YZ-2006	254	1084	+ 0.2343	[0.2094; 0.2607]	0.2%	0.7%
Du JY-2014	295	952	+ 0.3099	[0.2806; 0.3403]	0.2%	0.7%
Du L-2013 Vou OZ 2010	1112	230 -	0.0298	[0.0121; 0.0604]	0.0%	0.7%
Gao DY-2004	1804	6988	• 0.2582	[0.2479: 0.2686]	1.2%	0.7%
Gu HY-2013	505	6258	0.0807	[0.0741; 0.0877]	1.0%	0.7%
Yao XF-2013	806	2012	+ 0.4006	[0.3791; 0.4224]	0.3%	0.7%
He YW-2018	15	35857	0.0004	[0.0002; 0.0007]	6.0%	0.7%
Wu Y-2016	482	2206	+ 0.2185	[0.2014; 0.2363]	0.4%	0.7%
Wu JY-2016	440	611	0.2008	[0.2353; 0.2771]	0.3%	0.7%
Hu AQ-2010	377	2019	+ 0.1867	[0.4704, 0.3331]	0.1%	0.7%
Zhou X-2015	124	912	+ 0.1360	[0.1144; 0.1599]	0.2%	0.7%
Huang GY-2009	1013	3044	+ 0.3328	[0.3160; 0.3498]	0.5%	0.7%
Yao MF-2007	635	1316	+ 0.4825	[0.4552; 0.5099]	0.2%	0.7%
Huang SY-2020	120	648	- 0.1852	[0.1560; 0.2173]	0.1%	0.7%
Huang SM-2017	2/3	5345	0.0511	[0.0453; 0.0573]	0.9%	0.7%
Meng 7H-2005	413	980	+ 0.4214	[0.2030, 0.2404]	0.4%	0.7%
Lu B-2008	208	1060	+ 0.1962	[0.1727: 0.2214]	0.2%	0.7%
Wang FD-2004	394	850	- 0.4635	[0.4296; 0.4977]	0.1%	0.7%
Zheng YJ-2005	573	852	+ 0.6725	[0.6399; 0.7040]	0.1%	0.7%
Kong DG-2017	825	1945	+ 0.4242	[0.4021; 0.4465]	0.3%	0.7%
LI JI-2014	197	456	0.4320	[0.3860; 0.4789]	0.1%	0.7%
DO QN-2019	259	768	0.1524	[0.1356, 0.1703]	0.3%	0.7%
Li WJ-2007	337	1553	+ 0.2170	[0.1967: 0.2383]	0.3%	0.7%
Li W-2018	4923	10008	* 0.4919	[0.4821; 0.5018]	1.7%	0.7%
Li YB-2004	572	3336	+ 0.1715	[0.1588; 0.1847]	0.6%	0.7%
Wang HR-2007	1089	3931	+ 0.2770	[0.2631; 0.2913]	0.7%	0.7%
Lin CY-2009	403	4959	• 0.0813	[0.0738; 0.0892]	0.8%	0.7%
Liu 51-2010	223	1365	0.0200	[0.0204, 0.0340] [0.1441, 0.1841]	0.4%	0.7%
Liu XG-2007	610	1585	+ 0.3849	[0.3608: 0.4093]	0.3%	0.7%
Liu XG-2008	571	1351	+ 0.4226	[0.3961; 0.4495]	0.2%	0.7%
Yu LM-2001	54	417	+ 0.1295	[0.0988; 0.1656]	0.1%	0.7%
Lu B-2008	3/3	828	+ 0.4505	[0.4162; 0.4851]	0.1%	0.7%
Lu J-2009	121	663	+ 0.6350	[0.1104, 0.1407]	0.3%	0.7%
Luo YX-2005	215	3864	0.0556	[0.0486: 0.0633]	0.6%	0.7%
Ma TW-2013	30	324	- 0.0926	[0.0633; 0.1295]	0.1%	0.7%
Nong CS-2007	172	377	0.4562	[0.4051; 0.5080]	0.1%	0.7%
Pan TJ-2002	0	1580	0.0000	[0.0000; 0.0023]	0.3%	0.7%
Pan YL-2021	109	103/94	+ 0.0000	[0.0000; 0.0000]	17.3%	0.7%
Sang I Y-2007	1107	3701	+ 0.2991	[0.2844: 0.3141]	0.2%	0.7%
Shao HW-2009	79	830	+ 0.0952	[0.0761; 0.1172]	0.1%	0.7%
Shao JS-2006	2565	14020	··· 0.1830	[0.1766; 0.1895]	2.3%	0.7%
Sun ZH-2017	2555	47852	0.0534	[0.0514; 0.0554]	8.0%	0.7%
Sun Z-2014	471	1483	+ 0.3176	[0.2939; 0.3420]	0.2%	0.7%
Tang WF-2014	139	303	0.450	[0.4016, 0.5167]	0.1%	0.7%
Wang DM-2016	28	1000	0.0430	[0.0313, 0.0020]	0.2%	0.7%
Wang FY-1999	33	575	0.0574	[0.0398; 0.0797]	0.1%	0.7%
Wang L-2013	1788	4396	+ 0.4067	[0.3922; 0.4214]	0.7%	0.7%
Wang YC-2005	297	409	0.7262	[0.6802; 0.7688]	0.1%	0.7%
Wang Q-2014	422	1234	+ 0.1501	[0.13/1; 0.1638]	0.5%	0.7%
Wang RL-2012	509	2028	+ 0.0500	[0.0770, 0.9120]	0.2%	0.7%
Wu XX-2021	169	836	+ 0.2022	[0.1754: 0.2310]	0.1%	0.7%
Wu JY-2017	310	1459	+ 0.2125	[0.1917; 0.2344]	0.2%	0.7%
Xia XW-2015	914	3513	+ 0.2602	[0.2457; 0.2750]	0.6%	0.7%
Xiao ZB-2022	1217	4661	* 0.2611	[0.2485; 0.2740]	0.8%	0.7%
XIE SF-2014 Ving VM 2011	1019	2014	+ 0.3898	[0.3/11; 0.4088]	0.4%	0.7%
Xu PN-2014	91	415	0.2278	[0.1894, 0.2585]	0.1%	0.7%
Yan GX-2004	1269	3047	+ 0.4165	[0.3989; 0.4342]	0.5%	0.7%
Yang F-2012	893	3771	+ 0.2368	[0.2233; 0.2507]	0.6%	0.7%
Yang B-2013	40	597	- 0.0670	[0.0483; 0.0901]	0.1%	0.7%
Yang LL-2015	966	3654	+ 0.2644	[0.2501; 0.2790]	0.6%	0.7%
YII DS-2011	228	2420	U.0932	[0.0724; 0.1177]	0.1%	0.7%
Yu Q-2022	183	1076	+ 0.1392	[0.1481: 0 1939]	0.4%	0.7%
Yu WX-2012	138	5000	0.0276	[0.0232; 0.0325]	0.8%	0.7%
Zhang D-2022	1000	6493	+ 0.1540	[0.1453; 0.1630]	1.1%	0.7%
Zhang LM-2017	95	739	+ 0.1286	[0.1053; 0.1548]	0.1%	0.7%
Zhang P-2015	47	1195	0.0393	[0.0290; 0.0520]	0.2%	0.7%
Zhang AF-2007 7hao HL 2012	2152	4139		[0.0040; 0.5353]	0.1%	0.7%
Zheng RD-2013	207	850	- 0.0520	0.2150 0.27381	0.1%	0.7%
Zheng SJ-2015	55	205	0.2683	[0.2090; 0.3345]	0.0%	0.7%
Zhong CF-2011	1074	2627	+ 0.4088	[0.3900; 0.4279]	0.4%	0.7%
Zhong SQ-2007	702	1239	+ 0.5666	[0.5385; 0.5944]	0.2%	0.7%
Zhu GZ-2015	690	3305	+ 0.2088	[0.1950; 0.2230]	0.6%	0.7%

7hu G7-2007	1127	4944	1 🐳		0 2280	[0 2163: 0 2399]	0.8%	0.7%
Cai Y-2017	366	1842	+		0 1987	0 1807 0 21771	0.3%	0.7%
Chan DP-2017	492	1539			0.3197	[0 2964 0 3436]	0.3%	0.7%
Chang Y-2009	627	2819	1 4		0.2224	0.2072 0.23821	0.5%	0.7%
Chen X-2019	799	4044	+		0 1976	[0 1854 0 2102]	0.7%	0.7%
Chiu DM-2013	129	450	1 I		0 2867	[0 2453 0 3309]	0.1%	0.7%
Cong W-2014	404	1955	-		0.2066	[0 1889 0 2253]	0.3%	0.7%
Cui W-2016	228	1028			0 2218	[0 1967: 0 2485]	0.2%	0.7%
Dong C-2012	2793	14208	101		0 1966	0 1901 0 20321	2 4%	0.7%
Eeng Y-2018	1337	1912		+	0.6993	0 6782 0 71981	0.3%	0.7%
Fu H-2010	70	296	1 <u> </u>		0.2365	10 1892 0 28911	0.0%	0.7%
Eu P-2021	249	1864	+		0 1336	[0 1185: 0 1499]	0.3%	0.7%
Shenvang G-2011	37	456	+		0.0811	0 0578 0 11011	0.1%	0.7%
Geng Y-2019	79	496	4 		0 1593	0 1282 0 19451	0.1%	0.7%
Gu G-2015	112	1491	+		0.0751	10 0623 0 08971	0.2%	0.7%
Guo OS-2010	14608	44816	101		0.3260	10 3216: 0 33031	7 5%	0.7%
Huang E-2013	30	203			0 1024	[0.0702 0 1429]	0.0%	0.7%
Huang E-2015	36	388	+		0.0928	10.0658 0 12611	0.1%	0.7%
Huang H-2016	42	391			0 1074	[0.0785: 0.1424]	0.1%	0.7%
lia 7 2014	3710	15852			0.2346	[0.2280: 0.2413]	2.6%	0.7%
Taniquchi M 2009	1/3	300			0.4767	[0.4190: 0.5348]	0.1%	0.7%
Li H-2021	289	6269			0.0461	[0.0410: 0.0516]	1.0%	0.7%
Li M-2020	157	946			0 1660	[0.1428: 0.1912]	0.2%	0.7%
Li BC-2006	4839	10715			0.4516	10 4422 0 46111	1.8%	0.7%
Liang H 2014	120	307			0.4202	10.3644: 0.47761	0.1%	0.7%
LinkSH 2019	3408	10241			0.3328	[0.3237: 0.3420]	1 7%	0.7%
111 1 2000	1547	8762			0.1766	[0.3237, 0.3420]	1 5%	0.7%
Ma L 2015	87	366			0.2377	[0 1950: 0 2847]	0.1%	0.7%
Ma XX 2021	220	3568			0.0617	10.0540: 0.07011	0.6%	0.7%
Ma 7 2010	407	2000			0.1047	[0.0340, 0.0101]	0.3%	0.7%
Oian 7 2022	2275	10762	10		0.1547	[0.1107:0.1107]	2 20%	0.7%
Bon E 2012	2045	10741			0.2742	0 2659 0 29271	1 00/	0.7%
Dui 7 2019	2945	122	star I		0.2742	[0.2038, 0.2027]	0.1%	0.7%
Shu V 2010	465	1505			0.1001	[0.1176, 0.1675]	0.1%	0.7%
Silu 1-2019	455	1000			0.3023	[0.2792, 0.3202]	0.3%	0.7%
Mang M 2017	1008	2000			0.1373	[0.1410, 0.1742]	0.3%	0.7%
Wang V 2019	073	2502			0.2491	[0.2559, 0.2020]	0.1%	0.7%
Won CP 2019	1227	5345			0.3734	[0.3307, 0.3944]	0.4%	0.7%
Wong KH 2004	176	024			0.2290	[0.2163, 0.2411]	0.9%	0.7%
Viio V 2012	164	534			0.1004	[0.1038, 0.2130]	0.2 /0	0.7%
Xue 1-2013	1004	529			0.3100	[0.2708, 0.3314]	0.1%	0.7%
Tu 1-2009	1299	4102	L L		0.2303	[0.2253, 0.2479]	0.9%	0.7%
Zhang L 2017	1002	4102	E C an part		0.2443	[0.2512, 0.2577]	0.1%	0.7%
Zhang W 2000	230	1476	-		0.3933	[0.3540, 0.4337]	0.1%	0.7%
Zhang w-2009	110	1476			0.0793	[0.0660, 0.0942]	0.2%	0.7%
Znuang vv-2014	113	486	T		0.2325	[0.1956; 0.2727]	0.1%	0.7%
Common effect model		598962			0.1335	[0.1326; 0.1344]	100.0%	
Random effects model	2		<u> </u>		0.2322	[0.2041; 0.2615]		100.0%
Heterogeneity: $I^{*} = 100\%$, τ	= 0.0412	2, p = 0	0.2 0.4 0	.6 0.8				

(2)Studies with sample sizes \leq 200 were excluded

								Weight	Weight
Study	Events	Total				Proportion	95%-CI	(common)	(random)
Zhang ZX-2003	210	574	→			0.3659	[0.3264; 0.4067]	0.1%	0.7%
AI X-2009	5588	12555		8		0.4451	[0.4364; 0.4538]	2.1%	0.8%
BI L-2008	156	1204	T I			0.1296	[0.1111; 0.1499]	0.2%	0.8%
B0 QN-2018	12/	1019	T I			0.1246	[0.1050; 0.1465]	0.2%	0.8%
Car 15-2013	230	2200				0.4510	[0.4072, 0.4953]	0.1%	0.7%
Shop IX 2007	740	1570		- +		0.3047	[0.3047, 0.4030]	0.4%	0.8%
Chen XM 2014	281	868				0.3237	[0.4321, 0.3021]	0.1%	0.8%
Ning E-2008	1086	3561	+			0.3050	[0.2899: 0.3204]	0.6%	0.8%
Chen YZ-2006	254	1084	$\downarrow \downarrow$			0 2343	10 2094 0 26071	0.2%	0.8%
Du JY-2014	295	952	+ +			0.3099	[0.2806; 0.3403]	0.2%	0.8%
You QZ-2019	1113	5552	+			0.2005	[0.1900; 0.2112]	0.9%	0.8%
Gao DY-2004	1804	6988	+			0.2582	[0.2479; 0.2686]	1.2%	0.8%
Gu HY-2013	505	6258				0.0807	[0.0741; 0.0877]	1.0%	0.8%
Yao XF-2013	806	2012		+		0.4006	[0.3791; 0.4224]	0.3%	0.8%
He YW-2018	15	35857				0.0004	[0.0002; 0.0007]	6.0%	0.8%
Wu Y-2016	482	2206	-+			0.2185	[0.2014; 0.2363]	0.4%	0.8%
Wu JY-2016	440	1/20	1	0.000		0.2558	[0.2353; 0.2771]	0.3%	0.8%
Wu JY-2016	317	2010		100		0.5188	[0.4784, 0.5591]	0.1%	0.7%
Zhou X 2015	124	2019	11			0.1007	[0.1099, 0.2044]	0.3%	0.8%
Huang GY 2009	1013	3044	+			0.3328	[0.3160: 0.3498]	0.5%	0.8%
Yao ME-2007	635	1316				0.4825	[0.4552: 0.5099]	0.2%	0.8%
Huang SY-2020	120	648	1 I			0 1852	[0 1560: 0 2173]	0.1%	0.7%
Huang SM-2017	273	5345				0.0511	[0.0453: 0.0573]	0.9%	0.8%
Huang XY-2012	501	2250	+			0.2227	[0.2056; 0.2404]	0.4%	0.8%
Meng ZH-2005	413	980				0.4214	[0.3903; 0.4531]	0.2%	0.8%
Lu B-2008	208	1060	+			0.1962	[0.1727; 0.2214]	0.2%	0.8%
Wang FD-2004	394	850				0.4635	[0.4296; 0.4977]	0.1%	0.8%
Zheng YJ-2005	573	852				0.6725	[0.6399; 0.7040]	0.1%	0.8%
Kong DG-2017	825	1945	1	+		0.4242	[0.4021; 0.4465]	0.3%	0.8%
LI JI-2014	197	450	1. 1	_		0.4320	[0.3860, 0.4789]	0.1%	0.7%
B0 QN-2019	259	769	$\Gamma \perp$			0.1524	[0.1356, 0.1703]	0.3%	0.8%
LiWL2007	337	1553	1			0.2201	[0.1912, 0.2310]	0.1%	0.8%
Li W-2018	4923	10008				0 4919	[0 4821 0 5018]	1.7%	0.8%
Li YB-2004	572	3336	+			0 1715	[0 1588: 0 1847]	0.6%	0.8%
Wang HR-2007	1089	3931	+			0.2770	[0.2631: 0.2913]	0.7%	0.8%
Lin CY-2009	403	4959 +				0.0813	[0.0738; 0.0892]	0.8%	0.8%
Liu JY-2016	57	2127 +				0.0268	[0.0204; 0.0346]	0.4%	0.8%
Liu K-2009	223	1365	+			0.1634	[0.1441; 0.1841]	0.2%	0.8%
Liu XG-2007	610	1585	1 1 1	+		0.3849	[0.3608; 0.4093]	0.3%	0.8%
Liu XG-2008	571	1351		+		0.4226	[0.3961; 0.4495]	0.2%	0.8%
Yu LM-2001	54	41/	T	_		0.1295	[0.0988; 0.1656]	0.1%	0.7%
Lu 1 2000	3/3	1077				0.4505	[0.4162, 0.4651]	0.1%	0.8%
Lu YH-2006	421	663			÷	0.6350	[0.1104, 0.1407]	0.1%	0.7%
Luo YX-2005	215	3864 +				0.0556	[0.0486: 0.0633]	0.6%	0.8%
Ma TW-2013	30	324 -	4			0.0926	[0.0633: 0.1295]	0.1%	0.7%
Nong CS-2007	172	377				0.4562	[0.4051; 0.5080]	0.1%	0.7%
Pan TJ-2002	0	1580				0.0000	[0.0000; 0.0023]	0.3%	0.8%
Pan YL-2021	0	103794				0.0000	[0.0000; 0.0000]	17.4%	0.8%
Pu MH-2008	408	1360	+			0.3000	[0.2757; 0.3251]	0.2%	0.8%
Sang LY-2007	1107	3701	+			0.2991	[0.2844; 0.3141]	0.6%	0.8%
Shao HW-2009	79	830 -	1_1			0.0952	[0.0761; 0.1172]	0.1%	0.8%
Snao JS-2006	2565	14020	23			0.1830	[0.1/66; 0.1895]	2.3%	0.8%
Sun Z 2014	2005	4/852				0.0534	[0.0514, 0.0554]	8.0%	0.8%
Tang W/E 2014	4/1	303		_		0.3170	[0.2939, 0.3420]	0.2%	0.0%
Tian JS-2007	35	778 +	1			0.450	[0.0315: 0.0620]	0.1%	0.7%
Wang DM-2016	28	1000 +				0.0280	[0.0187: 0.0402]	0.2%	0.8%
Wang FY-1999	33	575 +				0.0574	[0.0398; 0.0797]	0.1%	0.7%

Wang L-2013	1788	4396		+				0.4067	[0.3922; 0.4214]	0.7%	0.8%
Wang YC-2005	297	409	1					0.7262	[0.6802; 0.7688]	0.1%	0.7%
Wang Q-2014	422	2812	1					0.1501	[0.1371; 0.1638]	0.5%	0.8%
Wang ZZ-2007	1105	1234	1				+	0.8955	[0.8770; 0.9120]	0.2%	0.8%
Wang RL-2012	509	2028		+				0.2510	[0.2322; 0.2705]	0.3%	0.8%
Wu XX-2021	169	836	1	1				0.2022	[0.1754; 0.2310]	0.1%	0.8%
Wu JY-2017	310	1459		1				0.2125	[0.1917; 0.2344]	0.2%	0.8%
Xia XW-2015	914	3513	1	+				0.2602	[0.2457; 0.2750]	0.6%	0.8%
XIao ZB-2022	1217	4001		+				0.2011	[0.2485; 0.2740]	0.8%	0.8%
Xie SF-2014	1019	2014	1	1 1				0.3090	[0.3711, 0.4000]	0.4%	0.8%
XIII DN 2014	100	415	1	1				0.2270	[0.1994, 0.2003]	0.1%	0.0%
Van GY 2004	1260	3047	1	+				0.2195	[0.1004, 0.2022]	0.1%	0.7 %
Vang E 2012	803	3771		+				0.2368	[0.3303, 0.4342]	0.5%	0.8%
Vang B 2013	40	507	+ 1					0.0670	[0.2233, 0.2307]	0.0%	0.7%
Vang LL 2015	966	3654		+				0.2644	[0.0403, 0.0301]	0.6%	0.8%
Vin Y7-2001	63	676						0.0932	[0.0724: 0.1177]	0.1%	0.7%
Yu DS-2011	338	2429	÷					0 1392	[0 1256: 0 1536]	0.4%	0.8%
Yu Q-2022	183	1076	- i-	-				0 1701	[0 1481: 0 1939]	0.2%	0.8%
Yu WX-2012	138	5000	a.					0.0276	[0.0232: 0.0325]	0.8%	0.8%
Zhang D-2022	1000	6493	+					0.1540	[0.1453: 0.1630]	1.1%	0.8%
Zhang LM-2017	95	739	+					0.1286	[0.1053; 0.1548]	0.1%	0.7%
Zhang P-2015	47	1195	+					0.0393	[0.0290; 0.0520]	0.2%	0.8%
Zhang XF-2007	2152	4139	1		+			0.5199	[0.5046; 0.5353]	0.7%	0.8%
Zhao HL-2012	17	327	+					0.0520	[0.0306; 0.0819]	0.1%	0.7%
Zheng RD-2013	207	850	1	+				0.2435	[0.2150; 0.2738]	0.1%	0.8%
Zhong CF-2011	1074	2627		+				0.4088	[0.3900; 0.4279]	0.4%	0.8%
Zhong SQ-2007	702	1239	• i					0.5666	[0.5385; 0.5944]	0.2%	0.8%
Zhu GZ-2015	690	3305	1	+				0.2088	[0.1950; 0.2230]	0.6%	0.8%
Zhu GZ-2007	1127	4944	1	ŧ				0.2280	[0.2163; 0.2399]	0.8%	0.8%
Cai Y-2017	366	1842	1	+				0.1987	[0.1807; 0.2177]	0.3%	0.8%
Chan DP-2017	492	1539		+				0.3197	[0.2964; 0.3436]	0.3%	0.8%
Chang Y-2009	627	2819	1	+				0.2224	[0.2072; 0.2382]	0.5%	0.8%
Chen X-2019	799	4044	1	+				0.1976	[0.1854; 0.2102]	0.7%	0.8%
Chiu DM-2013	129	450						0.2867	[0.2453; 0.3309]	0.1%	0.7%
Cong W-2014	404	1955		+				0.2066	[0.1889; 0.2253]	0.3%	0.8%
Cui W-2016	228	1028		+				0.2218	[0.1967; 0.2485]	0.2%	0.8%
Dong C-2012	2793	14208		8				0.1966	[0.1901; 0.2032]	2.4%	0.8%
Feng Y-2018	1337	1912	1			+		0.6993	[0.6782; 0.7198]	0.3%	0.8%
Fu P-2021	249	1864	t					0.1336	[0.1185; 0.1499]	0.3%	0.8%
Shenyang G-2011	37	456	+					0.0811	[0.0578; 0.1101]	0.1%	0.7%
Geng Y-2019	79	496	T.	-				0.1593	[0.1282; 0.1945]	0.1%	0.7%
Gu G-2015	112	1491	+	100				0.0751	[0.0623; 0.0897]	0.2%	0.8%
Guo QS-2010	14008	44810		100				0.3260	[0.3216; 0.3303]	1.5%	0.8%
Huang F-2015	30	388						0.0928	[0.0658; 0.1261]	0.1%	0.7%
Huang H-2016	2710	45050	T					0.1074	[0.0785; 0.1424]	0.1%	0.7%
Jia Z-2014	3/19	10002						0.2340	[0.2200, 0.2413]	2.1%	0.0%
Li M 2020	157	0209		_				0.0401	[0.0410, 0.0310]	0.2%	0.8%
Li RC 2006	1830	10715		· · · · ·				0.4516	[0.1420, 0.1912]	1.8%	0.8%
Liang H 2014	120	307	1	-				0.4310	[0.4422, 0.4011]	0.1%	0.0%
Lin KSH 2019	3408	10241						0.3328	[0.3237: 0.3420]	1 7%	0.8%
	1547	8762	1.					0.1766	[0.3237, 0.3420]	1.5%	0.8%
Ma L-2015	87	366		+				0.2377	[0.1050; 0.1047]	0.1%	0.7%
Ma XX-2021	220	3568						0.0617	0 0540 0 07011	0.6%	0.8%
Ma 7-2010	407	2090		+				0 1947	10 1780 0 21241	0.3%	0.8%
Qian 7-2022	2275	19762	10					0 1151	[0 1107: 0 1197]	3.3%	0.8%
Ren F-2013	2945	10741		11				0.2742	[0.2658: 0.2827]	1.8%	0.8%
Rui Z-2018	65	433	÷.					0.1501	[0.1178; 0.1873]	0.1%	0.7%
Shu Y-2019	455	1505		+				0.3023	[0.2792; 0.3262]	0.3%	0.8%
Tsoi WC-2020	315	2000	+					0.1575	[0.1418; 0.1742]	0.3%	0.8%
Wang M-2017	1008	4046		+				0.2491	[0.2359; 0.2628]	0.7%	0.8%
Wang Y-2018	973	2592	1	+				0.3754	[0.3567; 0.3944]	0.4%	0.8%
Wen GP-2018	1227	5345		t				0.2296	[0.2183; 0.2411]	0.9%	0.8%
Wong KH-2004	176	934	- i -	+				0.1884	[0.1638; 0.2150]	0.2%	0.8%
Xue Y-2013	164	529	1	+-				0.3100	[0.2708; 0.3514]	0.1%	0.7%
Yu Y-2009	1299	5493		+				0.2365	[0.2253; 0.2479]	0.9%	0.8%
Zhang L-2018	1002	4102	1	٠				0.2443	[0.2312; 0.2577]	0.7%	0.8%
Zhang L-2017	236	600	1					0.3933	[0.3540; 0.4337]	0.1%	0.7%
Zhang W-2009	117	14/6	+					0.0793	[0.0660; 0.0942]	0.2%	0.8%
Znuang vv-2014	113	486		T				0.2325	[0.1956; 0.2727]	0.1%	0.7%
Common effect model		597633	1					0 1334	10 1325 0 13/21	100 0%	
Random effects model		001000	1	-				0.2334	[0.2048: 0.2633]	100.0 %	100 0%
Heterogeneity: $l^2 = 100\%$	$^{2} = 0.0413$	p = 0		<u>т</u> т	T	1		0.2004	[0.2040, 0.2000]		100.070
	0.0412	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,) (0.2 0.4	0.6	6 0.8					

(3)Studies with sample sizes \leq 300 were excluded

Study	Events	Total		Proportion	95%-CI	Weight (common)	Weight (random)
Zhang ZX-2003	210	574		0.3659	[0.3264; 0.4067]	0.1%	0.9%
Ai X-2009	5588	12555	13	0.4451	[0.4364; 0.4538]	2.1%	0.9%
Bi L-2008	156	1204 +		0.1296	[0.1111; 0.1499]	0.2%	0.9%
Bo QN-2018	127	1019 +		0.1246	[0.1050; 0.1465]	0.2%	0.9%
Cai YS-2013	230	510	·	0.4510	[0.4072; 0.4953]	0.1%	0.9%
Cao HJ-2004	881	2290	+	0.3847	[0.3647; 0.4050]	0.4%	0.9%
Shen JY-2007	749	1570	-	0.4771	[0.4521; 0.5021]	0.3%	0.9%
Chen XM-2014	281	868	-	0.3237	[0.2927; 0.3560]	0.1%	0.9%
Ning LF-2008	1086	3561	+	0.3050	[0.2899; 0.3204]	0.6%	0.9%
Chen YZ-2006	254	1084	+	0.2343	[0.2094; 0.2607]	0.2%	0.9%
Du JY-2014	295	952		0.3099	[0.2806; 0.3403]	0.2%	0.9%
You QZ-2019	1113	5552	•	0.2005	[0.1900; 0.2112]	0.9%	0.9%
Gao DY-2004	1804	6988	+	0.2582	[0.2479; 0.2686]	1.2%	0.9%
Gu HY-2013	505	6258		0.0807	[0.0741; 0.0877]	1.1%	0.9%
Yao XF-2013	806	2012	2.+2	0.4006	[0.3791; 0.4224]	0.3%	0.9%
He YW-2018	15	35857		0.0004	[0.0002; 0.0007]	6.1%	0.9%
Wu Y-2016	482	2206		0.2185	[0.2014; 0.2363]	0.4%	0.9%
Wu JY-2016	440	1720	+	0.2558	[0.2353; 0.2771]	0.3%	0.9%
Wu JY-2016	317	611		0.5188	[0.4784; 0.5591]	0.1%	0.9%
Hu AQ-2010	377	2019	+	0.1867	[0.1699; 0.2044]	0.3%	0.9%
Zhou X-2015	124	912 +		0.1360	[0.1144; 0.1599]	0.2%	0.9%
Huang GY-2009	1013	3044	.	0.3328	[0.3160; 0.3498]	0.5%	0.9%
Yao MF-2007	635	1316		0.4825	[0.4552; 0.5099]	0.2%	0.9%
Huang SY-2020	120	648		0.1852	[0.1560; 0.2173]	0.1%	0.9%
Huang SM-2017	273	5345		0.0511	[0.0453; 0.0573]	0.9%	0.9%
Huang XY-2012	501	2250	+	0.2227	[0.2056; 0.2404]	0.4%	0.9%
Meng ZH-2005	413	980		0.4214	[0.3903; 0.4531]	0.2%	0.9%

Lu B-2008 Wang FD-2004 Zheng YJ-2005 Kong DG-2017 Bo QN-2019 Li MY-2008	208 394 573 825 259 169	1060 850 852 1945 1700 768	+	+	-		0.1962 0.4635 0.6725 0.4242 0.1524 0.2201	[0.1727; 0.2214 [0.4296; 0.4977 [0.6399; 0.7040 [0.4021; 0.4465 [0.1356; 0.1703 [0.1912; 0.2510	0.2% 0.1% 0.1% 0.3% 0.3% 0.1%	0.9% 0.9% 0.9% 0.9% 0.9% 0.9%
Li WJ-2007	337	1553	-				0.2170	[0.1967; 0.2383	0.3%	0.9%
Li W-2018 Li YB-2004	4923	10008	+				0.4919	[0.4821; 0.5018 [0.1588: 0.1847] 1.7%	0.9%
Wang HR-2007	1089	3931		+			0.2770	[0.2631; 0.2913	0.7%	0.9%
Liu JY-2016	403	4959 2127	•				0.0813	[0.0204; 0.0346	0.8%	0.9%
Liu K-2009	223	1365	+				0.1634	[0.1441; 0.1841	0.2%	0.9%
Liu XG-2008	571	1351		+			0.4226	[0.3961; 0.4495	0.3%	0.9%
Lu B-2008	373	828	1	+			0.4505	[0.4162; 0.4851	0.1%	0.9%
Lu YH-2006	421	663					0.6350	[0.5971; 0.6717	0.1%	0.9%
Luo YX-2005 Pan TJ-2002	215	3864					0.0556	[0.0486; 0.0633 [0.0000 ⁻ 0.0023	0.7%	0.9%
Pan YL-2021	0	103794					0.0000	[0.0000; 0.0000	17.6%	0.9%
Sang LY-2007	1107	3701		+			0.2991	[0.2844; 0.3141	0.6%	0.9%
Shao HW-2009 Shao IS 2006	2565	830	+				0.0952	[0.0761; 0.1172	0.1%	0.9%
Sun ZH-2017	2555	47852	101				0.0534	[0.0514; 0.0554	8.1%	0.9%
Sun Z-2014 Tian JS-2007	471	1483	+	+			0.3176	[0.2939; 0.3420	0.3%	0.9%
Wang DM-2016	28	1000	+				0.0280	0.0187; 0.0402	0.2%	0.9%
Wang L-2013	1788	4396	+	+			0.0574	[0.3922; 0.4214	0.7%	0.9%
Wang Q-2014	422	2812	1			-	0.1501	[0.1371; 0.1638	0.5%	0.9%
Wang RL-2012	509	2028					0.2510	[0.2322; 0.2705	0.2%	0.9%
Wu XX-2021 Wu JY-2017	169 310	836 1459	+				0.2022	[0.1754; 0.2310 [0.1917: 0.2344	0.1%	0.9%
Xia XW-2015	914	3513		+			0.2602	[0.2457; 0.2750	0.6%	0.9%
Xiao 2B-2022 Xie SF-2014	1217	2614		+			0.3898	[0.2485; 0.2740	0.8%	0.9%
Xing XM-2011 Van GX 2004	185	812	-	÷ +			0.2278	[0.1994; 0.2583	0.1%	0.9%
Yang F-2012	893	3771		* 2			0.2368	[0.2233; 0.2507	0.6%	0.9%
Yang B-2013 Yang LL-2015	40 966	3654	+	+			0.0670	[0.0483; 0.0901 [0.2501; 0.2790	0.1%	0.9%
Yin YZ-2001	63	676	+				0.0932	[0.0724; 0.1177	0.1%	0.9%
Yu Q-2022	183	1076	+				0.1701	[0.1481; 0.1939	0.2%	0.9%
Yu WX-2012 Zhang D-2022	138 1000	5000 6493					0.0276	[0.0232; 0.0325 [0.1453; 0.1630	0.8%	0.9%
Zhang LM-2017 Zhang P 2015	95	739	. +				0.1286	[0.1053; 0.1548	0.1%	0.9%
Zhang XF-2007	2152	4139					0.5199	[0.5046; 0.5353	0.2%	0.9%
Zheng RD-2013 Zhong CF-2011	207	850 2627		+			0.2435	[0.2150; 0.2738 [0.3900; 0.4279] 0.1%] 0.4%	0.9%
Zhong SQ-2007	702	1239					0.5666	[0.5385; 0.5944	0.2%	0.9%
Zhu GZ-2015 Zhu GZ-2007	1127	4944		-			0.2088	[0.2163; 0.2399	0.8%	0.9%
Cai Y-2017 Chan DP-2017	366	1842	+	+			0.1987	[0.1807; 0.2177	0.3%	0.9%
Chang Y-2009	627	2819	-				0.2224	[0.2072; 0.2382	0.5%	0.9%
Chen X-2019 Cong W-2014	404	4044	+				0.1976	[0.1854; 0.2102 [0.1889; 0.2253	0.7%	0.9%
Cui W-2016	228	1028	-	- 2			0.2218	[0.1967; 0.2485	0.2%	0.9%
Feng Y-2018	1337	1912			+		0.6993	[0.6782; 0.7198	0.3%	0.9%
Fu P-2021 Gu G-2015	249 112	1864	+Ť				0.1336	[0.1185; 0.1499 [0.0623: 0.0897	0.3%	0.9%
Guo QS-2010	14608	44816					0.3260	[0.3216; 0.3303	7.6%	0.9%
Li H-2021	289	6269					0.2346	[0.0410; 0.0516] <u>2.7%</u>] <u>1.1%</u>	0.9%
Li M-2020 Li RC-2006	157	946 10715	+	2			0.1660	[0.1428; 0.1912	0.2%	0.9%
Liu KSH-2019	3408	10241		п			0.3328	[0.3237; 0.3420	1.7%	0.9%
Ma XX-2021	220	3568					0.0617	[0.0540; 0.0701	0.6%	0.9%
Ma Z-2010 Oian Z-2022	407	2090	. +				0.1947	[0.1780; 0.2124	0.4%	0.9%
Ren F-2013	2945	10741		n			0.2742	[0.2658; 0.2827	1.8%	0.9%
Tsoi WC-2020	455	2000	+	+			0.3023	[0.2792; 0.3262	0.3%	0.9%
Wang M-2017	1008	4046		*			0.2491	[0.2359; 0.2628	0.7%	0.9%
Wen GP-2018	1227	5345		•			0.2296	[0.2183; 0.2411	0.9%	0.9%
Wong KH-2004 Xue Y-2013	176	934 529	+				0.1884	[0.1638; 0.2150 [0.2708; 0.3514	0.2%	0.9%
Yu Y-2009 Zhang L 2019	1299	5493		+			0.2365	[0.2253; 0.2479	0.9%	0.9%
Zhang L-2017	236	600					0.3933	[0.3540; 0.4337	0.1%	0.9%
Zhang W-2009	117	1476	+				0.0793	[0.0660; 0.0942] 0.2%	0.9%
Common effect model Random effects model		590832	i	b			0.1324	[0.1316; 0.1333 [0.2024: 0.2649	100.0%	100.0%
Heterogeneity: $I^2 = 100\%$,	$\tau^2 = 0.0410$	p = 0	0 02	2 0 4	0.6 0	8				

(4)Studies with sample sizes \leq 500 were excluded

Study	Events	Total		Proportion	95%-CI	Weight (common)	Weight (random)
Ao YY-2016	26	5012	+	0.0052	[0 0034 0 0076]	11%	20%
Bi L-2008	6	1204	+	0.0050	[0.0018: 0.0108]	0.3%	1.9%
Cao HJ-2004	49	2290		0.0214	[0.0159: 0.0282]	0.5%	2.0%
Cao HJ-2004	5	189		0.0265	[0.0086: 0.0607]	0.0%	1.5%
Chen JP-2014	2	8697		0.0002	[8000.0:0000.0]	1.9%	2.1%
Chen JZ-2014	6	14275		0.0004	[0.0002; 0.0009]	3.1%	2.1%
Chen JZ-2015	11	21612		0.0005	[0.0003; 0.0009]	4.6%	2.1%
Chen K-2016	79	10156	÷	0.0078	[0.0062; 0.0097]	2.2%	2.1%
Chen YZ-2006	17	1084		0.0157	[0.0092; 0.0250]	0.2%	1.9%
Xu LL-2016	1	3225 +		0.0003	[0.0000; 0.0017]	0.7%	2.0%
Duan ZJ-2014	15	10803		0.0014	[0.0008; 0.0023]	2.3%	2.1%
Fang Y-2003	12	503	· · · · · · · · · · · · · · · · · · ·	0.0239	[0.0124; 0.0413]	0.1%	1.8%
You QZ-2019	42	5552	+	0.0076	[0.0055; 0.0102]	1.2%	2.0%
Gao YP-2013	20	26780		0.0007	[0.0005; 0.0012]	5.8%	2.1%
Gong Q-2012	45	10220	Ŧ	0.0044	[0.0032; 0.0059]	2.2%	2.1%
Gu YF-2018	227	6772		0.0335	[0.0294; 0.0381]	1.5%	2.0%
Guo MY-2007	19	26181		0.0007	[0.0004; 0.0011]	5.6%	2.1%
Guo QL-2011	2	240		0.0083	[0.0010; 0.0298]	0.1%	1.6%
Wang XJ-2018	5	31696		0.0002	[0.0001; 0.0004]	6.8%	2.1%
Zhou X-2015	13	912	0	0.0143	[0.0076; 0.0243]	0.2%	1.9%
Huang GY-2009	28	1516		0.0185	[0.0123; 0.0266]	0.3%	2.0%
Yao MF-2007	35	1316		0.0266	[0.0186; 0.0368]	0.3%	2.0%
Wang FD-2004	26	850		0.0306	[0.0201; 0.0445]	0.2%	1.9%
Kong P-2013	22	33211		0.0007	[0.0004; 0.0010]	7.1%	2.1%
Liu JY-2016	3	2127 -	-	0.0014	[0.0003; 0.0041]	0.5%	2.0%
Ma XL-2015	12	3707		0.0032	[0.0017; 0.0056]	0.8%	2.0%
Zhang LF-2003	19	2223		0.0085	[0.0052; 0.0133]	0.5%	2.0%
Tian GJ-2007	13	288		- 0.0451	[0.0243; 0.0760]	0.1%	1.6%
Wang DM-2016	2	1000 -		0.0020	[0.0002; 0.0072]	0.2%	1.9%
Wang JF-2021	29	11917		0.0024	[0.0016; 0.0035]	2.0%	2.1%
Wang LP-2013	10	20180	2	0.0004	[0.0002, 0.0007]	5.4%	2.1%
Wang XH-2018	41	36152	· · · · · · · · · · · · · · · · · · ·	0.0011	[0.0008; 0.0015]	1.8%	2.1%
Yang LL-2015	13	1076		0.0200	[0.0157, 0.0251]	0.8%	2.0%
Tu Q-2022 Zhang VE 2007	102	1070		0.0093	[0.0045, 0.0170]	0.2%	2.0%
Zhang Zh-2007 Zhan RD 2013	105	850 -		0.0249	[0.0204, 0.0301]	0.3%	1.0%
Zhen KD-2013	124	119253		0.0000	[0.0000; 0.0043]	25 4%	2 10/
Cai V 2017	21	1842		0.0010	[0.0009, 0.0013]	23.4%	2.1%
Chen X 2010	13	1042	<u></u>	0.0106	[0.0077: 0.01/4]	0.4%	2.0%
Cong W-2014	61	1955		0.0312	[0.0239: 0.0399]	0.4%	2.0%
Feng Y-2018	80	1912	·	0.0418	[0.0333: 0.0518]	0.4%	20%
Fu P-2021	21	1864		0.0113	[0 0070 0 0172]	0.4%	2.0%
Geng Y-2019	10	496	,	0 0202	[0 0097 0 0368]	0.1%	1.8%
Gu G-2015	7	1491	+	0.0047	[0.0019: 0.0096]	0.3%	2.0%
Li H-2021	11	6269	8	0.0018	[0.0009; 0.0031]	1.3%	2.0%
Shu Y-2019	30	1505		0.0199	[0.0135; 0.0283]	0.3%	2.0%
Tsoi WC-2020	16	2000	<u> </u>	0.0080	[0.0046; 0.0130]	0.4%	2.0%
Wang M-2017	60	4046		0.0148	[0.0113; 0.0190]	0.9%	2.0%
Xue Y-2013	5	269	+	0.0186	[0.0061; 0.0428]	0.1%	1.6%
Zhang L-2018	17	2048	+	0.0083	[0.0048; 0.0133]	0.4%	2.0%
Liu XJ-2008	11	502		0.0219	[0.0110; 0.0389]	0.1%	1.8%
Common effect model		465105		0.0016	[0.0015; 0.0017]	100.0%	
Random effects mode	2 - 0.0004	n = 0	<u> </u>	0.0081	[0.0055; 0.0113]		100.0%
Helerogeneity: / = 98%, 1	: - 0.0031,	p = 0 0	0.01 0.03 0.05 0.0	7			

Figure S38. Sensitivity analysis of anti-HEV IgM positivity (1)Studies with a JBI score ≤ 5 were excluded

Study	Events	Total	Proportion	95%-CI	Weight (common)	Weight (random)
Ao YY-2016	26	5012 +	0.0052	[0.0034; 0.0076]	0.4%	0.9%
Bi L-2008	6	1204	0.0050	[0.0018; 0.0108]	0.1%	0.9%
Cao HJ-2004	49	2290	0.0214	[0.0159; 0.0282]	0.2%	0.9%
Zhang MM-2013	3	835	0.0036	[0.0007; 0.0105]	0.1%	0.8%
Chen JP-2014	2	8697	0.0002	[0.0000; 0.0008]	0.6%	0.9%
Chen JZ-2014	6	14275	0.0004	[0.0002; 0.0009]	1.0%	0.9%
Chen JZ-2015	11	21612 9	0.0005	[0.0003; 0.0009]	1.6%	0.9%
Chen K-2016	79	10156 +	0.0078	[0.0062; 0.0097]	0.7%	0.9%
Chen YZ-2006	17	1084	0.0157	[0.0092; 0.0250]	0.1%	0.9%
Chen WG-2006	66	8213 +	0.0080	[0.0062; 0.0102]	0.6%	0.9%
Xu LL-2016	1	3225 +	0.0003	[0.0000; 0.0017]	0.2%	0.9%
Duan ZJ-2014	15	10803	0.0014	[0.0008; 0.0023]	0.8%	0.9%
Fang Y-2003	12	503	0.0239	[0.0124; 0.0413]	0.0%	0.8%
You QZ-2019	42	5552 +	0.0076	[0.0055; 0.0102]	0.4%	0.9%
Gao YP-2013	20	26780	0.0007	[0.0005; 0.0012]	1.9%	0.9%
Ge SX-2006	262	17731 #	0.0148	[0.0131; 0.0167]	1.3%	0.9%
Gong Q-2012	45	10220 +	0.0044	[0.0032; 0.0059]	0.7%	0.9%
Gu YF-2018	227	6772	+ 0.0335	[0.0294; 0.0381]	0.5%	0.9%

Guo MY-2007	19	26181		0.0007	[0.0004; 0.0011]	1.9%	0.9%
Guo QL-2011 Wang X.L-2018	2	31696		0.0083	[0.0010; 0.0298] [0.0001; 0.0004]	0.0%	0.7%
Han XX-2010	6	11362		0.0005	[0.0002; 0.0011]	0.8%	0.9%
Hu AQ-2010	8	2019	*	0.0040	[0.0017; 0.0078]	0.1%	0.9%
Zhou X-2015 Huang GY-2009	28	1516		0.0143	[0.0076; 0.0243] [0.0123; 0.0266]	0.1%	0.8%
Yao MF-2007	35	1316		0.0266	[0.0186; 0.0368]	0.1%	0.9%
Huang XY-2012	37	2250		0.0164	[0.0116; 0.0226]	0.2%	0.9%
Jiang T-2018	26	9797	•	0.00027	[0.0201; 0.0443]	0.7%	0.8%
Jin LP-2012	6	11461		0.0005	[0.0002; 0.0011]	0.8%	0.9%
Kong P-2013 Bo ON-2019	22	33211		0.0007	[0.0004; 0.0010] [0.0219; 0.0386]	2.4%	0.9%
Li SB-2010	4	76654		0.0001	[0.0000; 0.0001]	5.5%	0.9%
Li WJ-2007	5	1553		0.0032	[0.0010; 0.0075]	0.1%	0.9%
Li XJ-2019	55	16022		0.0034	[0.0026: 0.0045]	1.2%	0.9%
Li YH-2021	36	25098		0.0014	[0.0010; 0.0020]	1.8%	0.9%
Li ZR-2005	16	82670		0.0002	[0.0001; 0.0003]	6.0%	0.9%
Lin Q-2012	4	5681		0.0043	[0.0002; 0.0002]	0.0%	0.9%
Liu DX-2019	33	40182		0.0008	[0.0006; 0.0012]	2.9%	0.9%
Liu F-2018	6	9529		0.0006	[0.0002; 0.0014]	0.7%	0.9%
Liu K-2009	4	1365	H	0.0014	[0.0008; 0.0041]	0.2%	0.9%
Liu XG-2007	51	1585		0.0322	[0.0240; 0.0421]	0.1%	0.9%
Liu Y-2013	115	25391		0.0045	[0.0037; 0.0054]	1.8%	0.9%
Ma SB-2014	11	5639		0.0020	[0.0010; 0.0035]	0.4%	0.9%
Ma XL-2015	12	3707	•	0.0032	[0.0017; 0.0056]	0.3%	0.9%
Zhang LF-2003 Nong HV 2013	19	2223		0.0085	[0.0052; 0.0133]	0.2%	0.9%
Qiu SH-2013	27	27977		0.0010	[0.0006; 0.0012]	2.0%	0.9%
Sang LY-2007	50	3701	4 .	0.0135	[0.0100; 0.0178]	0.3%	0.9%
Shao HW-2009	4	830		0.0048	[0.0013; 0.0123]	0.1%	0.8%
Sun JW-2009	72	5494	-	0.0131	[0.0103; 0.0165]	0.4%	0.9%
Sun LP-2004	20	1043		0.0192	[0.0118; 0.0295]	0.1%	0.9%
Tan PY-1999	124	1531		0.0810	[0.0678; 0.0958]	0.1%	0.9%
Wang DM-2016	2	1000 -		0.0020	[0.0002; 0.00700]	0.0%	0.9%
Wang JF-2021	29	11917	•	0.0024	[0.0016; 0.0035]	0.9%	0.9%
Wang LP-2013	10	25180		0.0004	[0.0002; 0.0007]	1.8%	0.9%
Wu ZT-2013	14	4441	•	0.0032	[0.0017; 0.0053]	0.3%	0.9%
Wu ZH-2017	5	32120		0.0002	[0.0001; 0.0004]	2.3%	0.9%
Wu JY-2017 Xia C 2012	11	1459		0.0048	[0.0019; 0.0099] [0.0074; 0.0261]	0.1%	0.9%
Xiao ZY-2016	32	8952	•	0.0036	[0.0024; 0.0050]	0.6%	0.9%
Xie SF-2014	144	2614	() ()	0.0551	[0.0467; 0.0645]	0.2%	0.9%
Xing Y-2016 Xii WL-2018	164	95217	3	0.0017	[0.0015; 0.0020] [0.0020; 0.0036]	6.9%	0.9%
Yan GX-2004	46	3047		0.0151	[0.0111; 0.0201]	0.2%	0.9%
Yang LL-2015	73	3654	antes	0.0200	[0.0157; 0.0251]	0.3%	0.9%
Yang XY-2016 Yu Q-2022	20	12271		0.0021	[0.0014; 0.0031] [0.0045; 0.0170]	0.9%	0.9%
Yuan ZZ-2022	10	1604	+	0.0062	[0.0030; 0.0114]	0.1%	0.9%
Zhang LM-2017	6	739		0.0081	[0.0030; 0.0176]	0.1%	0.8%
Zhang WS-2015	3	6456 *		0.0025	[0.0005, 0.0073]	0.1%	0.9%
Zhang XF-2007	103	4139	-	0.0249	[0.0204; 0.0301]	0.3%	0.9%
Zhao HL-2012 Zhao JN 2017	8	327	······································	0.0245	[0.0106; 0.0476]	0.0%	0.7%
Zhen RD-2013	0	850 +		0.0000	[0.0000; 0.0043]	0.1%	0.8%
Zheng Y-2015	21	26583		0.0008	[0.0005; 0.0012]	1.9%	0.9%
Zheng Y-2014	124	118253		0.0010	[0.0009; 0.0013]	8.5%	0.9%
Chen X-2019	43	4044		0.0106	[0.0077; 0.0143]	0.3%	0.9%
Cong W-2014	61	1955		0.0312	[0.0239; 0.0399]	0.1%	0.9%
Feng Y-2018	4 80	14208		0.0003	[0.0001; 0.0007]	1.0%	0.9%
Fu P-2021	21	1864		0.0113	[0.0070; 0.0172]	0.1%	0.9%
Geng Y-2019	10	496		0.0202	[0.0097; 0.0368]	0.0%	0.8%
Guo QS-2010	420	44816	a	0.0047	[0.0019, 0.0098]	3.2%	0.9%
Huang F-2013	4	293		0.0137	[0.0037; 0.0346]	0.0%	0.7%
Huang F-2015	15	388	· · · · ·	0.0387	[0.0218; 0.0630]	0.0%	0.8%
Li M-2020	42	946		0.0018	[0.0009, 0.0031] [0.0322, 0.0595]	0.5%	0.9%
Ma XX-2021	21	3568	+	0.0059	[0.0036; 0.0090]	0.3%	0.9%
Ma Z-2010	9	2090		0.0043	[0.0020; 0.0082]	0.2%	0.9%
Ren F-2013	109	10741	+	0.0101	[0.0083; 0.0122]	0.8%	0.9%
Rui Z-2018	8	433		0.0185	[0.0080; 0.0361]	0.0%	0.8%
Shu Y-2019	30	1505		0.0199	[0.0135; 0.0283]	0.1%	0.9%
Wang M-2017	60	4046		0.0148	[0.0113; 0.0190]	0.1%	0.9%
Wang Y-2018	16	2592	+	0.0062	[0.0035; 0.0100]	0.2%	0.9%
Wen GP-2018	38	5345	±	0.0071	[0.0050; 0.0097]	0.4%	0.9%
Yu Y-2009	71	4979	+	0.0143	[0.0112; 0.0180]	0.4%	0.9%
Zhang L-2018	17	2048	+	0.0083	[0.0048; 0.0133]	0.1%	0.9%
Znang vv-2009	29	14/6		0.0196	[0.0132; 0.0281]	0.1%	0.9%
		002		5.0213	[0.070	0.078
Common effect model	1	387710	\$	0.0017	[0.0016; 0.0018]	100.0%	100.0%
Heterogeneity: $I^2 = 98\%$, τ^2	= 0.0032,	o = 0		0.0071	[
		0	0.02 0.04 0.06 0.08				

(2) Studies with sample sizes ≤ 200 were excluded

Study	Events	Total	Propo	rtion 95%-C	Weight (common)	Weight (random)
Ao XX 2016	26	5012		0052 [0 0024: 0 0076]	0.4%	0.0%
Bil -2008	20	1204	- 0.	0052 [0.0034, 0.0070]	0.4%	0.9%
Cao HJ-2004	49	2290	0.	0214 [0.0159: 0.0282]	0.2%	0.9%
Zhang MM-2013	3	835	- 0.	0036 [0.0007; 0.0105]	0.1%	0.9%
Chen JP-2014	2	8697	0.1	0002 [0.0000; 0.0008]	0.6%	0.9%
Chen JZ-2014	6	14275	0.	0004 [0.0002; 0.0009]	1.0%	0.9%
Chen JZ-2015	11	21612	0.1		1.6%	0.9%
Chen YZ-2006	17	10130	0.	0157 [0.0002, 0.0097]	0.1%	0.9%
Chen WG-2006	66	8213	+ 0.	0080 [0.0062: 0.0102]	0.6%	0.9%
Xu LL-2016	1	3225 +	0.	0003 [0.0000; 0.0017]	0.2%	0.9%
Duan ZJ-2014	15	10803	0.1	0014 [0.0008; 0.0023]	0.8%	0.9%
Fang Y-2003	12	503	0.	0239 [0.0124; 0.0413]	0.0%	0.8%
YOU QZ-2019 Gao VP 2013	42	26780	+ 0.1	0076 [0.0055; 0.0102]	0.4%	0.9%
Ge SX-2006	262	17731	* 01	0148 [0.0131: 0.0167]	1.3%	0.9%
Gong Q-2012	45	10220	0.1	0044 [0.0032; 0.0059]	0.7%	0.9%
Gu YF-2018	227	6772	0.	0335 [0.0294; 0.0381]	0.5%	0.9%
Guo MY-2007	19	26181	0.1	0007 [0.0004; 0.0011]	1.9%	0.9%
Wang XJ-2018	5	31696	0.	0002 [0.0001; 0.0004]	2.3%	0.9%
Han XX-2010	0	2010	. 0.		0.8%	0.9%
Zhou X-2015	13	912	01	0143 [0.0076: 0.0243]	0.1%	0.9%
Huang GY-2009	28	1516	0.	0185 [0.0123; 0.0266]	0.1%	0.9%
Yao MF-2007	35	1316	— — 0.1	0266 [0.0186; 0.0368]	0.1%	0.9%
Huang XY-2012	37	2250	0.	0164 [0.0116; 0.0226]	0.2%	0.9%
Wang FD-2004	26	850	0.	0306 [0.0201; 0.0445]	0.1%	0.9%
Jiang 1-2018	20	11461	0.1	0027 [0.0017; 0.0039]	0.7%	0.9%
Kong P-2012	22	33211	0.	0007 [0.0002, 0.0011]	24%	0.9%
Bo QN-2019	50	1700	0.1	0294 [0.0219: 0.0386]	0.1%	0.9%
Li SB-2010	4	76654	0.	0001 [0.0000; 0.0001]	5.5%	0.9%
Li WJ-2007	5	1553	0.1	0032 [0.0010; 0.0075]	0.1%	0.9%
Li W-2018	167	10008	+ 0.	0167 [0.0143; 0.0194]	0.7%	0.9%
LI XJ-2019	55	16022	0.1	0034 [0.0026; 0.0045]	1.2%	0.9%
Li 7R-2005	16	82670	0.		6.0%	0.9%
Li TQ-2016	37	8257	0.1	0045 [0.0032: 0.0062]	0.6%	0.9%
Lin Q-2012	4	5681 +	0.	0007 [0.0002; 0.0018]	0.4%	0.9%
Liu DX-2019	33	40182	0.1	0008 [0.0006; 0.0012]	2.9%	0.9%
Liu F-2018	6	9529	0.	0006 [0.0002; 0.0014]	0.7%	0.9%
Liu JY-2016	3	2127	0.1		0.2%	0.9%
Liu XG-2009	4 51	1505		0029 [0.0008, 0.0075]	0.1%	0.9%
Liu Y-2013	115	25391	0.0	0045 [0.0037; 0.0054]	1.8%	0.9%
Luo Y-2011	7	31137 🛛	0.	0002 [0.0001; 0.0005]	2.2%	0.9%
Ma SB-2014	11	5639	0.1	0020 [0.0010; 0.0035]	0.4%	0.9%
Ma XL-2015	12	3707	0.	0032 [0.0017; 0.0056]	0.3%	0.9%
Zhang LF-2003	19	11029	+ 0.1	0085 [0.0052; 0.0133]	0.2%	0.9%
Oiu SH-2013	27	27077	0.			0.9%
Sang LY-2007	50	3701	+ 0.	0135 [0.0100; 0.0178]	0.3%	0.9%
Shao HW-2009	4	830	- 0.	0048 [0.0013; 0.0123]	0.1%	0.9%
Sun C-2016	214	128833	0.	0017 [0.0014; 0.0019]	9.3%	0.9%
Sun JW-2009	72	5494	0.	0131 [0.0103; 0.0165]	0.4%	0.9%
Sun LP-2004	20	1043	0.1		0.1%	0.9%
Wang DM-2016	124	1000 -			0.1%	0.9%
Wang JF-2021	29	11917	0.1	0024 [0.0016: 0.0035]	0.9%	0.9%
Wang LP-2013	10	25180	0.	0004 [0.0002; 0.0007]	1.8%	0.9%
Wang XH-2018	41	36152	0.	0011 [0.0008; 0.0015]	2.6%	0.9%
Wu ZT-2013	14	4441	0.1	0032 [0.0017; 0.0053]	0.3%	0.9%
Wu ZH-2017	5	32120	- 0.1		2.3%	0.9%
Xia C-2012	11	749		0147 [0.0074: 0.0261]	0.1%	0.9%
Xiao ZY-2016	32	8952	0.1	0036 [0.0024: 0.0050]	0.6%	0.9%
Xie SF-2014	144	2614	~~~ 0.	0551 [0.0467; 0.0645]	0.2%	0.9%
Xing Y-2016	164	95217	0.1	0017 [0.0015; 0.0020]	6.9%	0.9%
Xu WL-2018	43	15897	0.1	0027 [0.0020; 0.0036]	1.1%	0.9%
Yan GX-2004	46	3047		0151 [0.0111; 0.0201]	0.2%	0.9%
Yang XV-2015	26	12271	0.	0200 [0.0137, 0.0231]	0.3%	0.9%
Yu Q-2022	10	1076		0093 [0.0045: 0.0170]	0.1%	0.9%
Yuan ZZ-2022	10	1604	- 0.	0062 [0.0030; 0.0114]	0.1%	0.9%
Zhang LM-2017	6	739	· 0.1	0081 [0.0030; 0.0176]	0.1%	0.9%
Zhang P-2015	3	1195 -	0.	0025 [0.0005; 0.0073]	0.1%	0.9%
Zhang WS-2012	102	6456 *	0.	0005 [0.0001; 0.0014]	0.5%	0.9%
Zhang XE-2007 Zhao HL-2012	103	4139		0249 [0.0204; 0.0301]	0.3%	0.9%
Zhao JN-2017	10	10000	01	0010 [0.0005: 0.0018]	0.7%	0.9%
Zhen RD-2013	0	850 +	0.1	0000 [0.0000; 0.0043]	0.1%	0.9%
Zheng Y-2015	21	26583	0.	0008 [0.0005; 0.0012]	1.9%	0.9%
Zheng Y-2014	124	118253	0.	0010 [0.0009; 0.0013]	8.5%	0.9%
Cal Y-2017 Chop X 2010	21	1842			0.1%	0.9%
Cond W 2014	43	4044	- 0.1	0312 [0.0077; 0.0143]	0.3%	0.9%
Dong C-2012	4	14208	0.1	0003 [0 0001: 0 0007]	1.0%	0.9%
Feng Y-2018	80	1912	0.	0418 [0.0333; 0.0518]	0.1%	0.9%

Fu P-2021	21	1864		0.0113	[0.0070: 0.0172]	0.1%	0.9%
Geng Y-2019	10	496		0.0202	0.0097: 0.03681	0.0%	0.8%
Gu G-2015	7	1491		0.0047	0.0019: 0.00961	0.1%	0.9%
Guo QS-2010	420	44816		0.0094	[0.0085: 0.0103]	3.2%	0.9%
Huang F-2015	15	388 -		0.0387	0.0218; 0.0630]	0.0%	0.8%
Li H-2021	11	6269 +		0.0018	[0.0009; 0.0031]	0.5%	0.9%
Li M-2020	42	946		0.0444	[0.0322; 0.0595]	0.1%	0.9%
Ma XX-2021	21	3568 -		0.0059	[0.0036; 0.0090]	0.3%	0.9%
Ma Z-2010	9	2090		0.0043	[0.0020; 0.0082]	0.2%	0.9%
Qian Z-2022	50	19762 .		0.0025	[0.0019; 0.0033]	1.4%	0.9%
Ren F-2013	109	10741 +		0.0101	[0.0083; 0.0122]	0.8%	0.9%
Rui Z-2018	8	433		0.0185	[0.0080; 0.0361]	0.0%	0.8%
Shu Y-2019	30	1505 -+		0.0199	[0.0135; 0.0283]	0.1%	0.9%
Tsoi WC-2020	16	2000		0.0080	[0.0046; 0.0130]	0.1%	0.9%
Wang M-2017	60	4046		0.0148	[0.0113; 0.0190]	0.3%	0.9%
Wang Y-2018	16	2592 -		0.0062	[0.0035; 0.0100]	0.2%	0.9%
Wen GP-2018	38	5345 +		0.0071	[0.0050; 0.0097]	0.4%	0.9%
Yu Y-2009	71	4979 +		0.0143	[0.0112; 0.0180]	0.4%	0.9%
Zhang L-2018	17	2048		0.0083	[0.0048; 0.0133]	0.1%	0.9%
Zhang W-2009	29	1476		0.0196	[0.0132; 0.0281]	0.1%	0.9%
Liu XJ-2008	11	502		0.0219	[0.0110; 0.0389]	0.0%	0.8%
Common effect model		386620		0.0017	[0.0017; 0.0018]	100.0%	
Random effects model		\$		0.0068	[0.0051; 0.0087]		100.0%
Heterogeneity: $I^2 = 98\%$, $\tau^2 =$	0.0032,	p = 0	31 1	1			
		0 0.0	2 0.04 0.06	0.08			

(3) Studies with sample sizes \leq 300 were excluded

Study Events Total Proportion 95%-C1 (common) (random) Ao YY 2016 26 5012 + 0.0052 [0.0034, 0.0076] 0.4% 1.0% Bi L-2008 6 1204 + 0.0054 [0.0014, 0.0076] 0.4% 1.0% Can HJ-2004 49 2290 + 0.0014 [0.1019, 0.0282] 0.2% 0.9% Chen JZ 2015 11 21612 + 0.0000 [0.0007, 0.0082] 0.1% 0.9% Chen JZ 2016 19 1154 + 0.0070 0.0082] 0.0097 0.7% 1.0% Chen YZ 2016 17 1893 + 0.0071 0.0082] 0.0273 0.0471 0.9% Chen YZ 2016 15 10803 + 0.0076 0.0085 0.0171 0.9% Chen YZ 2016 12 503 + 0.0076 0.0085 0.0171 0.9% Chen YZ 2016 1 10205 + 0.0076 0.0085 0.0171						Weight	Weight
$ \begin{array}{c} hor Y-2016 \\ B1-2006 \\ B1-2006 \\ B1-2006 \\ Cao H1-2004 \\ 49 \\ 290 \\ Cao H1-2004 \\ 49 \\ 290 \\ Cao H1-2004 \\ 49 \\ 290 \\ Chen J2-2014 \\ 40 \\ 290 $	Study	Events	Total	Proportio	n 95%-Cl	(common)	(random)
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Ao YY-2016	26	5012	0.005	2 [0.0034; 0.0076]	0.4%	1.0%
Cao HJ-2004 49 2290 + + 0.0214 [0.0159.01282 0.286 0.986 Chen J-2014 6 14275 0.0002 [0.0007, 0.0105] 0.196 0.986 Chen J-22014 6 14275 0.0002 [0.0007] 0.0009 1.0%6 1.0%6 Chen J-22015 11 21012 0.0007 [0.0007 [0.0007] 0.078 [0.0002 0.0009] 1.0% 1.0% Chen J-22016 17 1044 0.0157 [0.0092 0.0250 0.017] 0.7% 1.0% Chen J-22016 17 1044 0.0157 [0.0092 0.0250 0.017] 0.7% 1.0% Chen J-22016 17 1044 0.0157 [0.0092 0.0250 0.017] 0.7% 1.0% Chen J-22016 17 1044 0.017 [0.0092 0.0250 0.012] 0.8% 1.0% Chen J-22014 15 10803 0.0003 [0.0003 0.009] 1.0% 0.9% Xu LL-2016 1 3225 0.0003 [0.0003 0.0009] 0.0% 1.0% Chen J-22014 15 10803 0.0007 [0.0055 0.012] 0.4% 1.0% Gao YP-2013 20 26780 0.0007 [0.0005 0.012] 0.4% 1.0% Gao YP-2013 20 26780 0.0007 [0.0005 0.012] 0.4% 1.0% Gao YP-2018 227 + 0.033 [0.0294 0.0381] 0.5% 1.0% Gu W-2017 19 26181 0.0007 [0.0007 [0.0005 0.012] 0.4% 1.0% Gao YP-2018 227 + 0.033 [0.0007 [0.0007 0.0004 0.0017] 1.3% 1.0% Gu W-2010 18 2019 + 0.0004 [0.0007 [0.0004 0.0017] 1.3% 1.0% Gu W-2010 19 26181 0.0007 [0.0004 0.0017] 1.3% 1.0% Gu W-2010 19 26181 0.0002 [0.0001 0.0004] 2.3% 1.0% Han X2010 6 11362 0.0000 [0.0002 [0.0011 0.0044] 2.3% 1.0% Han X2010 6 11362 0.0000 [0.0002 [0.0011 0.0044] 2.3% 1.0% Gu M-2027 19 215 1.3 912 + 0.0143 [0.0176 0.0148 0.0138] 0.05% 1.0% Gu M-2027 19 215 1.3 912 + 0.0143 [0.0076 0.0243 0.1% 0.9% Ya MF-2007 28 1516 - 0.0002 [0.0001 0.0041 2.3% 1.0% Gu M-2007 10.0047 [0.0046 0.0168 [0.0126] 0.1% 0.9% Ya M-2007 10 6 11362 + 0.0002 [0.0001 0.0034 1.0% Hu A2.2010 4 7654 0.0002 [0.0001 0.0014 2.3% 1.0% Hu A2.2010 4 7654 0.0002 [0.0007 0.0044 0.018 0.018% 0.9% Ya M-2007 5 1553 + 0.0036 [0.0202 0.011 0.0057 0.1% 0.9% Ya M-2012 26 1446 1 0.0002 [0.0007 0.0044 0.018 0.0002 0.0011 0.5% 1.0% Hu A2.2016 37 4257 + 0.0036 [0.0002 0.0011 5.5% 1.0% Hu A2.2016 37 4257 + 0.0036 [0.0002 0.0011 0.2% 1.0% Hu A2.2016 37 4257 + 0.0036 [0.0002 0.0011 0.2% 1.0% Hu A2.2016 37 4257 + 0.0036 [0.0002 0.0011 0.5% 1.0% Hu A2.2016 37 4.00000 1.00005 0.0022 0.0% 1.0% Hu A2.2016 37 4.00000 1.0	Bi L-2008	6	1204	- 0.005	0 [0.0018; 0.0108]	0.1%	0.9%
Zhang MM-2013 3 835 0.0036 0.0007, 0.0105 0.1% 0.9% Chen J-22014 2 8697 0.0002 0.0000, 0.0008 0.6% 1.0% Chen J-22015 11 121612 0.0004 0.0005 0.0003, 0.0009 1.6% 1.0% Chen K-2016 7 10156 - 0.0078 0.0002, 0.0000, 0.0017 0.2% Chen WS-2006 66 8213 - 0.0003 0.0002, 0.0000, 0.0017 0.2% Chen VS-2006 16 8213 - 0.0004 0.0002, 0.0002, 0.012 0.4% 1.0% Cao YP-2013 20 2552 - 0.0076 0.0005, 0.0102 1.9% 1.0% Gao YP-2013 20 27677 + 0.0144 0.0076 1.0% 1.0% Gau W-2010 8 2109 + 0.0035 1.0% 1.0% Gau W-2016 13 0.24 0.0007 10.0040 1.0% 1.0% Gau W-2016 10.227 <t< td=""><td>Cao HJ-2004</td><td>49</td><td>2290</td><td> 0.021</td><td>4 [0.0159; 0.0282]</td><td>0.2%</td><td>0.9%</td></t<>	Cao HJ-2004	49	2290	0.021	4 [0.0159; 0.0282]	0.2%	0.9%
Chen J-2014 2 8697 Chen J-2014 6 14275 Chen J-2014 6 14275 Chen J-2016 1 2161 Chen J-2016 79 10156 Chen J-2016 79 10156 Chen J-2016 79 10156 Chen V-2006 66 8213 Chen V-2006 66 8213 Chen V-2006 66 8213 Chen V-2006 66 8213 Chen V-2006 1 3225 Ou003 [0002, 0012] 0.0% 10% Duan J-2014 15 10603 Chen V-2013 12 503 Chen V-2014 [0007; 0007; 0007; 0007; 0007; 0078 Chen V-2018 227 773 Chen V-2018 227 7772 Chen V-2018 229 Chen V-2017 13 516 Chen V-2018 22 Chen	Zhang MM-2013	3	835	- 0.003	6 [0.0007; 0.0105]	0.1%	0.9%
Chen J.22014 6 14275 0 0.0004 0.0002 0.0009 1.0% 1.0% 1.0% Chen K.2016 79 10156 0 0.0078 0.00	Chen JP-2014	2	8697	0.000	2 [0.0000; 0.0008]	0.6%	1.0%
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Chen JZ-2014	6	14275	0.000	4 [0.0002; 0.0009]	1.0%	1.0%
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Chen JZ-2015	11	21612	0.000	5 [0.0003; 0.0009]	1.6%	1.0%
Chen VC-2006 66 8213 * 0.0082 0.0092 0.029 0.1% 0.9% Xu LL-2016 1 3225 * 0.0008 0.0008 0.0002 0.0112 0.0% 1.0% Fang V-2013 12 503 * 0.0014 0.0008 0.0023 0.0% 1.0% Fang V-2013 12 503 * 0.0014 0.0008 0.0023 0.0% 1.0% Ga VP-2013 20 26780 * 0.0076 0.0055 0.0112 0.4% 1.0% Ga VP-2013 20 26780 * 0.0076 0.0055 0.0112 1.9% 1.0% Ga VP-2013 20 26780 * 0.0014 0.0005 0.0112 1.9% 1.0% Ga VP-2013 20 26780 * 0.0004 0.0007 0.0005 0.0112 1.9% 1.0% Ga VP-2013 20 26780 * 0.0007 0.0005 0.0111 0.1677 1.3% 1.0% Ga VP-2013 20 26780 * 0.0007 0.0007 0.0005 0.0111 0.1677 1.3% 1.0% Ga VP-2013 20 26780 * 0.0007 0.0007 0.00005 0.0111 0.1677 1.3% 1.0% Ga VP-2013 20 26780 * 0.0007 0.0007 0.00000 0.00011 0.1677 1.3% 1.0% Ga VP-2013 227 6772 * 0.0034 0.0007 0.0000 0.0001 0.0001 0.0001 0.0007 0.0024 0.0011 1.9% 1.0% Ga VP-2013 5 3166 * 0.0002 0.0001 0.0007 0.0004 0.0011 1.9% 1.0% Hun X.2010 8 2019 * 0.0005 0.00002 0.0001 0.0007 0.0024 0.011 0.1% 0.9% Yaa MF-2017 35 1316 * 0.0148 0.0168 0.0368 0.1% 0.9% Vang FD-2012 6 11461 * 0.0168 0.0123 0.0266 0.1% 0.9% Vang FD-2012 6 1461 * 0.0168 0.0021 0.0145 0.0178 0.09% 1.9% Kong P.2013 22 33211 * 0.0007 0.00021 0.0145 0.01% 0.9% Kong P.2013 22 33211 * 0.0007 0.00021 0.0145 0.01% 0.9% Kong P.2013 22 33211 * 0.0007 0.00021 0.0145 0.01% 0.9% Kong P.2013 22 33211 * 0.0007 0.00021 0.0011 0.2% 1.0% Kong P.2013 22 33211 * 0.0007 0.00021 0.0145 0.01% 0.9% Kong P.2013 22 33211 * 0.0007 0.00021 0.0145 0.01% 0.9% Kong P.2013 22 33211 * 0.0007 0.00021 0.0145 0.01% 0.9% Kong P.2013 22 33211 * 0.0007 0.00021 0.0145 0.01% 0.9% Kong P.2013 22 33211 * 0.0007 0.00021 0.0145 0.01% 0.9% Kong P.2013 22 33211 * 0.0007 0.00021 0.0145 0.01% 0.9% Kong P.2013 22 33211 * 0.0007 0.00021 0.0145 0.01% 0.9% Kong P.2013 22 33211 * 0.0007 0.00030 0.0075 0.1% 0.9% Kong P.2013 22 33211 * 0.0007 0.00030 0.0075 0.1% 0.9% Kong P.2013 22 33211 * 0.0007 0.00030 0.0075 0.1% 0.9% Kong P.2013 12 5 5 * 0.0322 0.0010 0.00075 0.1% 0.9% Kong P.2013 12 5 5 * 0.0022 0.0010 0.00075 0.1% 0.9% Li W.2016 3 2177 + 0.00020 0.00075 0.1% 0.9% Li W.2016 3 2177	Chen K-2016	79	10156	- 0.007	8 [0.0062; 0.0097]	0.7%	1.0%
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Chen YZ-2006	1/	1084	0.015	7 [0.0092; 0.0250]	0.1%	0.9%
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Chen WG-2006	66	8213	- 0.008	0 [0.0062; 0.0102]	0.6%	1.0%
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Xu LL-2016	1	3225	0.000		0.2%	1.0%
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Duan ZJ-2014	10	F03	0.00		0.0%	1.0%
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Fang 1-2003	12	503	0.023	9 [0.0124, 0.0413]	0.0%	0.8%
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Coo VD 2012	42	26790	0.007	7 10 0005: 0 0012	1.0%	1.0%
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Gau 1F-2013	20	17731	# 0.01/	8 [0.0131:0.0167]	1.9%	1.0%
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Gong () 2012	15	10220	0.01-		0.7%	1.0%
Guo MY-2007 19 26181 0.0007 0.0004, 0.0011 1.9% 1.0% Wang XJ-2018 5 31696 0.0002 0.0001, 0.0004 2.3% 1.0% Hu AQ-2010 8 2019 0.0041 0.0071, 0.0078 0.0023 0.1% 0.9% Zhou X-2015 13 912 0.0143 0.0076 0.0243 0.1% 0.9% Huang GY-2009 28 1516 0.0164 0.0160 0.0226 0.21% 0.9% Huang GY-2009 28 1516 0.0164 0.0160 0.0226 0.27% 0.9% Wang FD-2004 26 850 0.0306 0.0021 0.0445 0.1% 0.9% Jiang T-2018 26 977 - 0.0007 0.0007 0.0007 0.0007 0.0007 0.0007 0.0007 0.0007 0.0007 0.0011 2.4% 0.9% Jiang T-2018 26 977 - 0.0027 0.0011 2.4% 1.0% 0.9% Li W-2018 167 10086 +	Gu YE-2018	227	6772		5 [0.0294: 0.0381]	0.5%	1.0%
Wang XJ-2018 5 31696 00002 00001 00004 2.3% 10% Han XX-2010 6 11362 00005 00002 00011 0.8% 1.0% Hua Q2-010 8 2019 00015 0.00076 0.0243 0.1% 0.9% Huang GY-2009 28 1516 0.0164 0.0176 0.0246 0.1% 0.9% Wang FD-2007 35 1316 0.0266 0.0186 0.0368 0.1% 0.9% Wang FD-2004 26 850 0.0027 0.0007 0.0031 0.036 0.0210 0.445 0.1% 0.9% Jin LP-2012 6 11461 0.0007 0.0001 0.0001 0.0011 0.8% 1.0% Li SB-2010 4 76664 0.00021 0.0001 0.0001 0.0011 5.% 1.0% Li W-2018 167 10068 + 0.0012 0.0011 5.% 1.0% L	Guo MY-2007	19	26181	0.000	7 [0 0004: 0 0011]	1.9%	1.0%
Han Xx.2010 6 11362 0.0005 0.0007 0.00071 0.0012 0.00111 0.8% 1.0% HuA Q2010 8 2019 0.0014 0.0007 0.0022 0.00111 0.8% 1.0% 0.9% Zhou X.2015 13 912 0.0143 0.0007 0.0023 0.0141 0.0036 0.1% 0.9% Huang GY-2009 28 1516 0.0143 0.0016 0.0213 0.2266 0.0148 0.0368 0.1% 0.9% Huang Y2-2012 37 2250 0.0164 0.0016 0.0226 0.0111 0.8% 1.0% Kong P-2013 22 32211 0.0007 0.00012 0.0011 2.8% 1.0% Li W-2015 167 1008 + 0.0021 0.0001 0.0001 2.4% 1.0% Li W-2018 167 10088 + 0.0016 0.0005 0.0001 2.5% 1.0% Li W-2019 55 16022 - 0.0016 0.0002 0.0011 2.5% 1.0%	Wang XJ-2018	5	31696	0.000	2 [0.0001: 0.0004]	2.3%	1.0%
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Han XX-2010	6	11362	0.000	5 [0.0002: 0.0011]	0.8%	1.0%
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Hu AQ-2010	8	2019	0.004	0 [0.0017; 0.0078]	0.1%	0.9%
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Zhou X-2015	13	912	0.014	3 [0.0076; 0.0243]	0.1%	0.9%
Yao MF-2007 35 1316 0.0266 0.0166 0.0386 0.1% 0.9% Huang XY-2012 37 2250 0.0164 0.0166 0.0286 0.1% 0.9% Jiang T-2018 26 9797 0.0306 0.0201 0.0430 0.077 0.0399 0.7% 1.0% Kong P-2013 22 33211 0.0007 0.0004 0.0011 2.0004 0.011 2.4% 0.9% Li SB-2010 4 76654 0.0032 0.0010 0.00075 0.1% 0.9% Li WJ-2007 5 1553 0.0032 0.0014 0.00025 0.1% 0.9% Li WJ-2018 167 10008 + 0.0167 0.0020 1.8% 1.0% Li XJ-2019 55 16022 - 0.0032 0.0014 0.0702 0.1% 1.0% Li XJ-2016 3 2127 - 0.0045 0.0032 0.0031 0.6% 1.0% Li Q-2016 3 2127 -	Huang GY-2009	28	1516	0.018	5 [0.0123; 0.0266]	0.1%	0.9%
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Yao MF-2007	35	1316	0.026	6 [0.0186; 0.0368]	0.1%	0.9%
Wang FD-2004 26 850 0.0306 [0.201; 0.0445] 0.1% 0.0% Jiang T-2018 26 9797 0.0027 [0.0017; 0.0039] 0.7% 1.0% Jin LP-2012 6 11461 0.0005 [0.0002; 0.0011] 0.8% 1.0% Bo ON-2019 50 1700	Huang XY-2012	37	2250	0.016	4 [0.0116; 0.0226]	0.2%	0.9%
Jang T-2018 26 9797 0.0027 [0.0017, 0.0039] 0.7% 1.0% Jin LP-2012 6 11461 0.0005 [0.0002, 0.0011] 0.8% 1.0% Kong P-2013 22 33211 0.0007 [0.0004, 0.0010] 2.4% 1.0% Bo QN-2019 50 1700 0.0294 [0.0219, 0.0386] 0.1% 0.9% Li WJ-2007 5 1553 0.0032 [0.0010, 0.0007] 0.1% 1.0% Li WJ-2018 167 10008 + 0.0147 [0.0143, 0.0194] 0.7% 1.0% Li XJ-2019 55 16022 - 0.0032 [0.0006] 0.0026] 1.8% 1.0% Li YL-2011 36 25098 0.0014 [0.0017, 0.0032] 0.6% 1.0% Li Q-2016 37 8257 + 0.0007 [0.0002, 0.0018] 0.4% 1.0% Li W-2018 6 9529 - 0.0006 [0.0002, 0.0014] 0.7% 1.0% Li W-2016 3 2127 - 0.0014 [0.0037, 0.0054] 1.6% 1.0%	Wang FD-2004	26	850	0.030	6 [0.0201; 0.0445]	0.1%	0.9%
Jin LP-2012 6 11461 0.0005 [0.0002, 0.0011] 0.8% 1.0% Kong P-2013 22 33211 0.0007 [0.0004, 0.0010] 2.4% 1.0% Bo GN-2019 50 1700 0.0294 [0.0010, 0.0075] 0.1% 0.9% Li WJ-2017 5 1553 0.032 [0.0010, 0.0075] 0.1% 0.9% Li W-2018 167 10008 + 0.0167 [0.0143, 0.0194] 0.7% 1.0% Li XJ-2019 55 16022 0.0034 [0.0026, 0.0045] 1.2% 1.0% Li XJ-2019 55 16022 0.0034 [0.0026, 0.0045] 1.2% 1.0% Li R2-2015 16 826701 0.0004 [0.0007, 0.0003] 6.0% 1.0% Li Q2-2016 37 8257 0.0045 [0.0002, 0.0014] 0.4% 1.0% Liu Q-2019 33 40182 0.0006 [0.0002, 0.0012] 2.9% 1.0% Liu K-2009 4 1365 0.014 [0.0003, 0.0041]	Jiang T-2018	26	9797	0.002	7 [0.0017; 0.0039]	0.7%	1.0%
Kong P-2013 22 33211 00007 $[0.0004, 0.001]$ 2.4% 1.0% Bo GN-2019 50 1700 0.0294 $[0.0219, 0.0386]$ 0.1% 0.9% Li SB-2010 4 76654 0.0001 $[0.0000, 0.0001]$ 5.5% 1.0% Li W-2018 167 10008 + 0.0167 $[0.0143, 0.0194]$ 0.7% 1.0% Li XJ-2019 55 16022 - 0.0032 $[0.0026, 0.0045]$ 1.2% 1.0% Li XJ-2019 55 16022 - 0.0034 $[0.0026, 0.0045]$ 1.2% 1.0% Li XJ-2016 37 8257 - 0.0045 $[0.0022, 0.0045]$ 0.4% 1.0% Liu D-2012 4 5881 - 0.0006 $[0.0002, 0.0014]$ 0.4% 1.0% Liu F-2018 6 529 0.0006 $[0.0002, 0.0014]$ 0.2% 0.9% Liu X-2009 4 1365 - 0.0322 $[0.0014, 0.0025]$ 0.4% 1.0% Liu X-2013 115 25391 - 0.0022 <th< td=""><td>Jin LP-2012</td><td>6</td><td>11461</td><td>0.000</td><td>5 [0.0002; 0.0011]</td><td>0.8%</td><td>1.0%</td></th<>	Jin LP-2012	6	11461	0.000	5 [0.0002; 0.0011]	0.8%	1.0%
Bo CN-2019 50 1700	Kong P-2013	22	33211	0.000	7 [0.0004; 0.0010]	2.4%	1.0%
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Bo QN-2019	50	1700	0.029	4 [0.0219; 0.0386]	0.1%	0.9%
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Li SB-2010	4	/6654	0.000		5.5%	1.0%
Li W-2018 167 10008 + 0.0167 10.0143 0.0194 0.7% 1.0% Li XJ-2019 55 16022 > 0.0034 10.0026 1.2% 1.0% Li YH-2021 36 25098 0.0014 0.0002 10.00020 1.8% 1.0% Li TQ-2016 37 8257 + 0.0045 0.0002 0.00021 0.6% 1.0% Lin Q-2012 4 5681 0.0006 0.0002 0.0014 0.7% 1.0% Liu DX-2019 33 40182 0.0006 0.0002 0.0014 0.7% 1.0% Liu V-2018 6 9529 0.0006 0.0002 0.0014 0.7% 1.0% Liu V-2016 3 2127 0.0014 0.00037 0.0041 0.2% 0.9% Liu V-2013 115 25391 0.0022 0.0014 0.045 0.0037 0.0054 1.8% 1.0% Liu V-2013 115 5391 0.0022 0.0017	LI WJ-2007	5	1553	0.003		0.1%	0.9%
Li YH-2019 35 10022 1.2% 1.0% Li YH-2021 36 25098 0.0014 [0.0010, 0.0020] 1.8% 1.0% Li ZR-2005 16 82670 0.0014 [0.0010, 0.0020] 1.8% 1.0% Li TQ-2016 37 8257 • 0.0045 [0.0032, 0.0062] 0.6% 1.0% Lin Q-2012 4 5681 • 0.0007 [0.0002, 0.0014] 0.4% 1.0% Liu X-2019 33 40182 0.0006 [0.0002, 0.0014] 0.7% 1.0% Liu X-2016 3 2127 + 0.0014 [0.0003, 0.0041] 0.2% 0.9% Liu X-2009 4 1365 + 0.0029 [0.0003, 0.0041] 0.2% 0.9% Liu X-2013 115 25391 = 0.0045 [0.0037, 0.0054] 1.8% 1.0% Ma SB-2014 11 5639 + 0.0022 [0.0010, 0.0035] 0.4% 1.0% Ma SL-2015 12 3707 + 0.0025 [0.0017, 0.0056] 2.2% 1.0% Ma SB-2014 11 5639 + 0.0026 [0	LI W-2018	167	10008	+ 0.010	/ [0.0143; 0.0194]	0.7%	1.0%
Li TR-2021 30 2005 16 2007 1000 0000 00000 00000 00000 00000 00000 0000	LI XJ-2019	20	25009	0.003		1.2%	1.0%
Li TQ-2016 37 8257 + Li TQ-2016 37 8257 + Li TQ-2019 33 40182 0 Li U -2019 33 40182 0 Li U -2019 33 40182 0 Li U -2018 6 9529 4 Li U -2016 3 2127 + 0.0006 [0.0002; 0.0014] 0.7% 1.0% Li U -2016 3 2127 + 0.0014 [0.0003; 0.0041] 0.7% 1.0% Li U -2016 3 2127 + 0.0014 [0.0003; 0.0041] 0.2% 0.9% Li U -2017 51 1585 - 0.0022 [0.0240; 0.0421] 0.1% 0.9% Li U -2011 7 31137 0 Li U -2011 7 31137 0 Li U -2015 12 3707 + 0.0032 [0.0017; 0.0056] 0.3% 1.0% Ma SB-2014 11 5639 + 0.0045 [0.0032; 0.0014] 0.2% 0.9% Nong HY-2013 77 1938 4 0.0045 [0.0035; 0.0133] 0.2% 0.9% Nong HY-2013 77 1938 4 0.0046 [0.0002; 0.0012] 0.9% 1.0% Gu SH-2013 27 2797 0 Nong HY-2013 77 1938 4 0.0006 [0.0002; 0.0012] 0.9% 1.0% Shao HW-2009 4 830 + 0.0048 [0.0013; 0.0123] 0.1% 0.9% Sun C-2016 214 12883 4 0.0048 [0.0013; 0.0123] 0.1% 0.9% Sun C-2016 214 12883 4 0.0048 [0.0013; 0.0123] 0.1% 0.9% Sun JW-2009 72 5494 + 0.0131 [0.0103; 0.0165] 0.4% 1.0% Sun JW-2009 124 1531 - 0.0012 [0.0014; 0.0019] 9.3% 1.0% Sun JW-2016 2 1000 + 0.0024 [0.0016; 0.0035] 0.9% 1.0% Wang JM-2016 2 1000 + 0.0024 [0.0006; 0.0007] 1.8% 1.0%	Li 7D 2005	16	82670	0.00	2 [0.0010, 0.0020]	6.0%	1.0%
Lin Q.2012 4 5681 0.0007 0.0002, 0.0018 0.4% 1.0% Liu D.2012 4 5681 0.0007 0.0002, 0.0018 0.4% 1.0% Liu D.2019 33 40182 0.0006 0.0002, 0.0014 0.7% 1.0% Liu J.2016 3 2127 0.0014 0.0002, 0.0014 0.7% 1.0% Liu V.2016 3 2127 0.0014 0.0002, 0.0014 0.2% 0.9% Liu XG-2007 51 1585	Li TO-2016	37	8257	0.004	5 [0.0032: 0.0062]	0.6%	1.0%
Liu DX-2019 33 40182 00008 [0.0008 [0.0002, 0.0012] 2.9% 1.0% Liu F-2018 6 9529 00008 [0.0002, 0.0014] 0.7% 1.0% Liu Y-2016 3 2127 + 0.0014 [0.0003, 0.0041] 0.2% 0.9% Liu X-2009 4 1365 00029 [0.0008 [0.0075] 0.1% 0.9% Liu X-2007 51 1585 - 0.0322 [0.0240, 0.0421] 0.1% 0.9% Liu Y-2013 115 25391 000045 [0.0037, 0.0054] 1.8% 1.0% Ma SB-2014 11 5639 + 0.0022 [0.0017, 0.0056] 0.2% 1.0% Ma SB-2014 11 5639 + 0.0022 [0.0017, 0.0056] 0.3% 1.0% Zhang LF-2003 19 2223 - 0.0085 [0.0052, 0.0133] 0.2% 0.9% Nong HY-2013 7 11938 0.0006 [0.0002, 0.0012] 0.9% 1.0% Gui SH-2013 27 27977 - 0.0085 [0.0052, 0.0133] 0.2% 0.9% Nong HY-2013 7 11938 0.0006 [0.0002, 0.0014] 2.0% 1.0% Sang LY-2007 50 3701 - 0.0135 [0.0100, 0.0178] 0.3% 1.0% Shao HW-2009 4 830 - 0.0048 [0.0013, 0.0123] 0.1% 0.9% Sun C-2016 214 128833 0.0017 [0.0014] 0.0019] 9.3% 1.0% Sun LP-2004 20 1043 - 0.0131 [0.0103, 0.0165] 0.4% 1.0% Mang DM-2016 2 1000 - 0.0021 [0.0007, 0.0055] 0.1% 0.9% Wang DM-2016 2 1000 - 0.0022 [0.0007, 0.0055] 0.1% 0.9% Wang DM-2016 2 1000 - 0.0020 [0.0002, 0.0072] 0.1% 0.9% Wang LP-2013 10 25180 - 0.0024 [0.0016, 0.0035] 0.9% 1.0% Wang LP-2013 10 25180 - 0.0024 [0.0016, 0.0035] 0.9% 1.0% Wang LP-2013 10 25180 - 0.0024 [0.0016, 0.0035] 0.9% 1.0% Wang LP-2013 10 25180 - 0.0024 [0.0016, 0.0035] 0.9% 1.0% Wang LP-2013 10 25180 - 0.0024 [0.0016, 0.0035] 0.9% 1.0% Wang LP-2013 10 25180 - 0.0024 [0.0016, 0.0035] 0.9% 1.0% Wang LP-2013 10 25180 - 0.0024 [0.0016, 0.0035] 0.9% 1.0% Wang LP-2013 10 25180 - 0.0024 [0.0016, 0.0035] 0.9% 1.0% Wang LP-2013 10 25180 - 0.0024 [0.0016, 0.0035] 0.9% 1.0% Wang LP-2013 10 25180 - 0.0024 [0.0016, 0.0035] 0.9% 1.0% Wang LP-2013 10 25180 - 0.0024 [0.0016, 0.0035] 0.9% 1.0% Wang LP-2013 10 25180 - 0.0024 [0.0016, 0.0035] 0.9% 1.0% Wang LP-2013 10 25180 - 0.0024 [0.0016, 0.0035] 0.9% 1.0% Wang LP-2013 10 25180 - 0.0024 [0.0016, 0.0035] 0.9% 1.0% Wang LP-2013 10 25180 - 0.0024 [0.0016, 0.0035] 0.9% 1.0% Wang LP-2013 10 25180 - 0.0024 [0.0016, 0.0035] 0.9% 1.0% Wang LP-2013 10 25180 - 0.00	Lin Q-2012	4	5681	0.000	7 [0.0002: 0.0018]	0.4%	1.0%
Liu F-2018 6 9529 0.0006 0.0002, 0.0014] 0.7% 1.0% Liu K-2009 4 1365 0.0029 0.0006 0.0002, 0.0014] 0.2% 0.9% Liu K-2009 4 1365 0.0029 0.0008, 0.0075] 0.1% 0.9% Liu X-2017 51 1585 0.0322 0.0240 (0.0421) 0.1% 0.9% Liu Y-2013 115 25391 0.0045 0.0002 (0.0001, 0.0051) 2.2% 1.0% Luo Y-2011 7 31137 0.0022 (0.0011, 0.0055] 0.2% 1.0% Ma SB-2014 11 5639 + 0.0022 (0.0017, 0.0056] 0.3% 1.0% Zhang LF-2003 19 2223 - 0.0085 (0.0052; 0.0133) 0.2% 0.9% Nong HY-2013 7 11938 0.0006 (0.0002; 0.0012) 0.9% 1.0% Giu SH-2013 27 27977 0.0010 (0.0006; 0.0014) 2.0% 1.0% Sun LP-2004 20 14 12883 0.0017 (0.0014; 0.0019) 9.3% 1.0% Sun JW-2009 7 5494 + 0.0131	Liu DX-2019	33	40182	0.000	8 [0 0006: 0 0012]	29%	1.0%
Liu JY-2016 3 2127 0.0014 0.0003; 0.0041 0.2% 0.9% Liu K-2009 4 1365 0.0029 0.0008; 0.0075 0.1% 0.9% Liu XG-2007 51 1585 0.0322 0.0240; 0.0421 0.1% 0.9% Liu Y-2013 115 25391 0.0045 0.0037; 0.0054 1.8% 1.0% Luo Y-2011 7 31137 0.0022 0.0001; 0.0005 2.2% 1.0% Ma SB-2014 11 5639 + 0.0022 0.0010; 0.0035 0.4% 1.0% Zhang LF-2003 19 2223 0.0085 0.0022; 0.0012 0.9% 1.0% Qiu SH-2013 7 11938 0.0006 0.0006; 0.0014 2.0% 1.0% Sang LY-2007 50 3701 + 0.0135 0.01012 0.9% 1.0% Shao HW-2009 4 830 + 0.0135 0.0123 0.1% 0.9% Sun LP-2004 20 14 12883 0.0017 0.0013; 0.0123 0.1% 0.9% Sun LP-2004 20	Liu F-2018	6	9529	0.000	6 [0.0002: 0.0014]	0.7%	1.0%
Liu K-2009 4 1365 0.0029 0.0008 0.0075 0.1% 0.9% Liu XG-2007 51 1585 0.0322 0.0240 0.0421 0.1% 0.9% Liu Y-2013 115 25391 0.045 0.0037 0.00541 1.8% 1.0% Luo Y-2011 7 31137 0.0002 0.00017 0.00051 2.2% 1.0% Ma SB-2014 11 5639 + 0.0032 0.0017 0.00561 0.3% 1.0% Zhang LF-2003 19 2223 0.0085 0.0052 0.0133 0.2% 0.9% Nong HY-2013 7 11938 0.0006 0.0002 0.00141 2.0% 1.0% Gui SH-2013 27 27977 - 0.0135 0.0141 2.0% 1.0% Shao HW-2009 4 830 - 0.0135 0.0141 2.0% 1.0% Sun C-2016 214 128833 - 0.0015 0.04% 1.0% 1.0% Sun LP-2004 20 1043 - 0.0131 <td< td=""><td>Liu JY-2016</td><td>3</td><td>2127</td><td>0.001</td><td>4 [0.0003; 0.0041]</td><td>0.2%</td><td>0.9%</td></td<>	Liu JY-2016	3	2127	0.001	4 [0.0003; 0.0041]	0.2%	0.9%
Liu XG-2007 51 1585 0.0322 [0.0240; 0.0421] 0.1% 0.9% Liu Y-2013 115 25391 0.0045 [0.0037; 0.0054] 1.8% 1.0% Ma SB-2014 11 56391 0.0020 [0.0010; 0.0005] 22% 1.0% Ma SB-2014 11 5639 + 0.0020 [0.0017; 0.0056] 2.2% 1.0% Ma XL-2015 12 3707 + 0.0025 [0.0017; 0.0056] 0.3% 1.0% Chang LF-2003 19 2223 0.0085 [0.0052; 0.0133] 0.2% 0.9% Nong HY-2013 7 11938 0.0006 [0.0006; 0.0014] 0.9% 1.0% Sang LY-2007 50 3701 + 0.0135 [0.0100; 0.0178] 0.3% 1.0% Shao HW-2009 4 830 - 0.0048 [0.0013; 0.0123] 0.1% 0.9% Sun C-2016 214 128833 0.0017 [0.0014; 0.0019] 9.3% 1.0% Sun LP-2004 20 14331 - 0.0131 [0.0103; 0	Liu K-2009	4	1365	0.002	9 [0.0008; 0.0075]	0.1%	0.9%
Liu Y-2013 115 25391 0.0045 0.0037; 0.0054] 1.8% 1.0% Liu Y-2011 7 31137 0.0002 0.0001; 0.0005] 2.2% 1.0% Ma SB-2014 11 5639 + 0.0022 0.0001; 0.0005] 2.4% 1.0% Ma SB-2013 12 3707 + 0.0022 0.0017; 0.0056] 0.3% 1.0% Zhang LF-2003 19 2223 + 0.0085 0.0002; 0.0012] 0.9% 0.9% Nong HY-2013 7 11938 0.0006 0.0002; 0.0012] 0.9% 1.0% Guis SH-2013 27 7977 0.0016 0.0006; 0.0014] 2.0% 1.0% Shao HW-2009 4 830 + 0.0135 0.0018; 0.0178] 0.3% 1.0% Sun LP-2004 20 1043 + 0.0131 0.0199 9.3% 1.0% Sun LP-2004 20 1043 + 0.0192 0.018; 0.0295] 0.1% 0.9% Wang JD-2016 2 1004 - 0.0202 0.00072; 0.0072] 0.9% Wang JE-2013	Liu XG-2007	51	1585	0.032	2 [0.0240; 0.0421]	0.1%	0.9%
Luo Y.2011 7 31137 0.0002 0.0001; 0.0005] 2.2% 1.0% Ma SB-2014 11 5639 + 0.0020 [0.0010; 0.0035] 0.4% 1.0% Ma XL-2015 12 3707 + 0.0022 [0.0010; 0.0035] 0.3% 1.0% Zhang LF-2003 19 2223 + 0.0085 [0.0002; 0.0012] 0.9% 0.9% Nong HY-2013 7 11938 + 0.0006 [0.0002; 0.0012] 0.9% 1.0% Qiu SH-2013 27 27977 d 0.0010 0.0006 [0.0014] 2.0% 1.0% Sang LY-2007 50 3701 + - 0.0135 [0.0103; 0.0123] 0.1% 0.9% Sun LY-2007 50 3701 + - 0.0148 [0.0013; 0.0123] 0.1% 0.9% Sun LP-2007 50 3701 + - 0.0135 [0.0103; 0.0123] 0.1% 0.9% Sun LP-2007 50 3701 + - 0.0141 [0.013; 0.0123] 0.1% 0.9% Sun LP-2004 20 1043 + - 0.0131 [0.013; 0.0125] <t< td=""><td>Liu Y-2013</td><td>115</td><td>25391</td><td>0.004</td><td>5 [0.0037; 0.0054]</td><td>1.8%</td><td>1.0%</td></t<>	Liu Y-2013	115	25391	0.004	5 [0.0037; 0.0054]	1.8%	1.0%
Ma SB-2014 11 5639 + 0.0020 [0.0010] 0.0035] 0.4% 1.0% Ma XL-2015 12 3707 + 0.0032 [0.0017] 0.0056] 0.3% 1.0% Zhang LF-2003 19 2223 + 0.0085 [0.0052] 0.017] 0.028 0.0022 0.0112] 0.9% Nong HY-2013 7 11938 + 0.0066 [0.0002] 0.0014] 2.0% 1.0% Gui SH-2013 27 27977 + 0.0101 [0.0006] 0.014] 2.0% 1.0% Sang LY-2007 50 3701 + 0.0135 [0.0102] 0.9% 1.0% Shao HW-2009 4 830 + 0.0048 [0.0013] 0.178 0.3% 1.0% Sun LP-2004 20 1043 + - 0.0131 [0.0103] 0.165] 0.4% 1.0% Sun LP-2004 20 1043 + - 0.0122 [0.0116] 0.9% 1.0% Mag DH-2016 2 1000 + 0.0122 [0.0102] 0.1% 0.9% Wang JP-2013 10 25180 +	Luo Y-2011	7	31137	0.000	2 [0.0001; 0.0005]	2.2%	1.0%
Ma XL-2015 12 3707 0.0032 [0.0017, 0.0056] 0.3% 1.0% Zhang LF-2003 19 2223 - 0.0085 [0.0052, 0.0133] 0.2% 0.9% Nong HY-2013 7 11938 0.0006 [0.0006, 0.0014] 2.0% 0.9% Qiu SH-2013 27 27977 - 0.0135 [0.0100, 0.0178] 0.3% 1.0% Sang LY-2007 50 3701 - 0.0135 [0.0100, 0.0178] 0.3% 1.0% Shao HW-2009 4 830 - 0.0135 [0.0100, 0.0178] 0.3% 1.0% Sun C-2016 214 128833 0.0017 [0.0014, 0.0019] 9.3% 1.0% Sun LP-2004 20 1043 - 0.0131 [0.0103, 0.0165] 0.4% 1.0% Tan PY-1999 124 1531 - 0.0121 [0.0016; 0.0025] 0.1% 0.9% Wang DK-2016 2 1000 - 0.0020 [0.0016; 0.0035] 0.9% 1.0% Wang JF-2021 29 11917 - 0.0024 [0.0016; 0.0035] 0.9% 1.0%	Ma SB-2014	11	5639	0.002	0 [0.0010; 0.0035]	0.4%	1.0%
Zhang LF-2003 19 2223 → 0.0085 [0.0052; 0.0133] 0.2% 0.9% Nong HY-2013 7 11938 0.0066 [0.0002; 0.0012] 0.9% 1.0% Qiu SH-2013 27 27977 0.0010 [0.0006; 0.0014] 2.0% 1.0% Sang LY-2007 50 3701 → 0.0135 [0.0100; 0.0178] 0.3% 1.0% Shao HW-2009 4 830 → 0.0048 [0.0013; 0.0123] 0.1% 0.9% Sun JW-2009 72 5494 → 0.0131 [0.0140; 0.019] 9.3% 1.0% Sun JW-2004 20 1043 → 0.0192 [0.0118; 0.0295] 0.4% 1.0% Sun JW-2004 20 1043 → 0.0192 [0.0118; 0.0295] 0.1% 0.9% Wang DM-2016 2 1000 → 0.0202 [0.0002; 0.0072] 0.1% 0.9% Wang JE-2013 10 25180 ≤ 0.0004 [0.0002; 0.0072] 1.8% 1.0%	Ma XL-2015	12	3707	0.003	2 [0.0017; 0.0056]	0.3%	1.0%
Nong Hr-2013 7 11938 0.0006 [0.0002 0.0012 0.9% 1.0% Qiu SH-2013 27 27977 0.0016 [0.0002 0.0014] 2.0% 1.0% Sang LY-2007 50 3701 + 0.0135 [0.0003 0.014] 2.0% 1.0% Shao HW-2009 4 830 + 0.0145 [0.0013 0.0123] 0.1% 0.9% Sun JW-2009 72 5494 + 0.0131 [0.0103 0.048] 0.0014 0.09% Sun JV-2004 20 1043 - 0.0192 [0.0118 0.0295] 0.4% 1.0% Wang JP-2016 2 1000 + 0.0122 [0.0072] 0.1% 0.9% Wang JP-2016 2 1000 + 0.0224 [0.00027] 0.1% 0.9% Wang JP-2013 10 25180 0.0004 [0.00027] 0.0971 1.0%	Zhang LF-2003	19	2223	+- 0.008	5 [0.0052; 0.0133]	0.2%	0.9%
Clu SH-2013 27 2197 0.0010 [0.0000, 0.0014] 2.0% 1.0% Sang LY-2007 50 3701 + 0.0135 [0.0100, 0.0014] 2.0% 1.0% Shao HW-2009 4 830 + 0.0135 [0.0100, 0.0178] 0.3% 1.0% Sun JW-2009 4 830 + 0.0177 [0.0014, 0.0019] 9.3% 1.0% Sun JW-2009 72 5494 + 0.0131 [0.0103, 0.0165] 0.4% 1.0% Sun LP-2004 20 1043 - 0.0122 [0.0118, 0.0295] 0.1% 0.9% Tan PY-1999 124 1531 - 0.0122 [0.0102, 0.0072] 0.1% 0.9% Wang DM-2016 2 1000+ 0.0020 [0.0002, 0.0072] 0.1% 0.9% Wang LP-2013 10 25180 - 0.0024 [0.0006, 0.0035] 0.9% 1.0%	Nong HY-2013	1	11938	0.000	6 [0.0002; 0.0012]	0.9%	1.0%
Shao HW-2009 4 830 0.0135 [0.0100, 0.0176] 0.3% 1.0% Shao HW-2009 4 830 - 0.0048 [0.0013, 0.0123] 0.1% 0.9% Sun C-2016 214 128833 0.0017 [0.0103, 0.0123] 0.1% 0.9% Sun JW-2009 72 5494 + 0.0131 [0.0103, 0.0165] 0.4% 1.0% Sun LP-2004 20 1043 - 0.0122 [0.0118, 0.0295] 0.1% 0.9% Tan PY-1999 124 1531 - 0.0810 [0.0678, 0.0958] 0.1% 0.9% Wang DM-2016 2 1000 - 0.0024 [0.0016, 0.0035] 0.9% Wang LP-2013 10 25180 - 0.0004 [0.0002, 0.0077] 1.8% 1.0%	QIU SH-2013	21	2701	0.001	5 [0.0006; 0.0014]	2.0%	1.0%
Sun C-2016 214 12833 0.0017 0.0013 0.0143 0.0019 9.3% 1.0% Sun L-2016 214 128833 0.017 [0.0014, 0.0012] 9.3% 1.0% Sun LP-2004 20 1043 0.0131 [0.0103, 0.0165] 0.4% 1.0% Sun LP-2004 20 1043 0.0192 [0.0118, 0.0295] 0.1% 0.9% Tan PY-1999 124 1531 0.0810 [0.0678, 0.0958] 0.1% 0.9% Wang DM-2016 2 1000 + 0.0024 [0.0012, 0.0072] 0.1% 0.9% Wang LP-2013 10 25180 = 0.0004 [0.0002, 0.0072] 1.8% 1.0%	Shap HW 2000	30	830	0.013	8 [0.013: 0.0178]	0.3%	0.0%
Sun JW-2009 72 5494 + 0.011 [0.0107, 0.0019] 9.3 % 10 % Sun JW-2009 72 5494 + 0.0131 [0.0103, 0.0165] 0.4% 1.0% Sun LP-2004 20 1043 - 0.0192 [0.0118, 0.0295] 0.4% 0.9% Tan PY-1999 124 1531 - 0.0810 [0.0678, 0.0958] 0.1% 0.9% Wang DM-2016 2 1000 + 0.0020 [0.0002, 0.0072] 0.1% 0.9% Wang LP-2013 10 25180 = 0.0004 [0.0002, 0.0077] 1.8% 1.0%	Sun C 2016	214	128833	0.004	7 [0.0013, 0.0123]	0.1%	1 0%
Sun LP-2004 20 1043 0.0192 [0.0103 0.0295 0.1% 0.09% Tan PY-1999 124 1531	Sun .IW.2009	72	5494	+ 0.01	1 [0.0014, 0.0019]	0.4%	1.0%
Tan PY-1999 124 1531 0.0810 [0.0678] 0.0958] 0.1% 0.9% Wang DM-2016 2 1000 0.0020 [0.0022] 0.1% 0.9% Wang JF-2021 29 11917 0.0024 [0.0016] 0.09% 1.0% Wang LP-2013 10 25180 0.0004 [0.0002] 0.0007] 1.8% 1.0%	Sun I P-2004	20	1043	0.010	2 [0 0118 0 0295]	0.1%	0.9%
Wang DM-2016 2 1000 0.0020 [0.0002] 0.0072 0.1% 0.9% Wang JF-2021 29 11917 0.0024 [0.0016] 0.0035 0.9% 1.0% Wang LP-2013 10 25180 0.0004 [0.0002; 0.0007] 1.8% 1.0%	Tan PY-1999	124	1531	0.081	0 10 0678 0 0958	0.1%	0.9%
Wang JF-2021 29 11917 0.0024 [0.0016] 0.0035 0.9% 1.0% Wang LP-2013 10 25180 0.0004 [0.0002; 0.0007] 1.8% 1.0%	Wang DM-2016	2	1000 -	0.002	0 [0.0002: 0.0072]	0.1%	0.9%
Wang LP-2013 10 25180 0.0004 [0.0002; 0.0007] 1.8% 1.0%	Wang JF-2021	29	11917	0.002	4 [0.0016: 0.0035]	0.9%	1.0%
	Wang LP-2013	10	25180	0.000	4 [0.0002; 0.0007]	1.8%	1.0%

	0.0004 0			
Random effects model	\$	0.0064 [0	0.0048; 0.0083]	100.0%
Common effect model	1384976	0.0018 0	0.0017: 0.00181 100.0%	
Liu XJ-2008	11 502	0.0219 [0.0110; 0.0389] 0.0%	0.8%
Zhang W-2009	29 1476	0.0196 [0.0132; 0.0281] 0.1%	0.9%
Zhang L-2018	17 2048	0.0083	0.0048; 0.0133] 0.1%	0.9%
Yu Y-2009	71 4979 -	0.0143	0.0112; 0.0180] 0.4%	1.0%
Wen GP-2018	38 5345	0.0071	0.0050; 0.0097] 0.4%	1.0%
Wang Y-2018	16 2592	0.0062	0.0035; 0.0100] 0.2%	1.0%
Wang M-2017	60 4046	0.0148	0.0113; 0.0190] 0.3%	1.0%
Tsoi WC-2020	16 2000	0.0080	0.0046; 0.0130] 0.1%	0.9%
Shu Y-2019	30 1505	0.0199	0.0135; 0.0283] 0.1%	0.9%
Ren F-2013	109 10741 +	0.0101	0.0083; 0.0122] 0.8%	1.0%
Qian Z-2022	50 19762	0.0025	0.0019; 0.0033] 1.4%	1.0%
Ma Z-2010	9 2090	0.0043	0.0020; 0.0082] 0.2%	0.9%
Ma XX-2021	21 3568 +	0.0059	0.0036; 0.0090] 0.3%	1.0%
Li M-2020	42 946	0.0444	0.0322; 0.0595] 0.1%	0.9%
Li H-2021	11 6269 +	0.0018	0.0009; 0.0031] 0.5%	1.0%
Guo QS-2010	420 44816	0.0094	0.0085; 0.0103] 3.2%	1.0%
Gu G-2015	7 1491	0.0047	0.0019; 0.0096] 0.1%	0.9%
Fu P-2021	21 1864	0.0113	0.0070; 0.0172] 0.1%	0.9%
Feng Y-2018	80 1912	0.0418	0.0333; 0.0518] 0.1%	0.9%
Dong C-2012	4 14208	0.0003	0.0001; 0.0007] 1.0%	1.0%
Cong W-2014	61 1955	- 0.0312	0.0239; 0.0399] 0.1%	0.9%
Chen X-2019	43 4044 +	0.0106	0.0077; 0.0143] 0.3%	1.0%
Cai Y-2017	21 1842	0.0114	0.0071; 0.0174] 0.1%	0.9%
Zheng Y-2014	124 118253	0.0010	0.0009; 0.0013] 8.5%	1.0%
Zheng Y-2015	21 26583	0.0008	0.0005; 0.0012] 1.9%	1.0%
Zhen RD-2013	0 850 十	0.0000	0.0000; 0.0043] 0.1%	0.9%
Zhao JN-2017	10 10000	0.0010	0.0005; 0.0018] 0.7%	1.0%
Zhang XF-2007	103 4139	0.0249	0.0204; 0.0301] 0.3%	1.0%
Zhang WS-2012	3 6456 *	0.0005	0.0001; 0.0014] 0.5%	1.0%
Zhang P-2015	3 1195	0.0025	0.0005; 0.0073] 0.1%	0.9%
Zhang LM-2017	6 739	0.0081	0.0030; 0.0176] 0.1%	0.9%
Yuan ZZ-2022	10 1604 +	0.0062	0.0030; 0.0114] 0.1%	0.9%
Yu Q-2022	10 1076	0.0093	0.0045; 0.0170] 0.1%	0.9%
Yang XY-2016	26 12271	0.0021	0.0014; 0.0031] 0.9%	1.0%
Yang LL-2015	73 3654	0.0200	0.0157; 0.0251] 0.3%	1.0%
Yan GX-2004	46 3047	0.0151	0.0111; 0.0201] 0.2%	1.0%
Xu WL-2018	43 15897	0.0027	0.0020; 0.0036] 1.1%	1.0%
Xing Y-2016	164 95217	0.0017	0.0015; 0.0020] 6.9%	1.0%
Xie SF-2014	144 2614	0.0551	0.0467; 0.0645] 0.2%	1.0%
Xiao ZY-2016	32 8952 +	0.0036	0.0024; 0.0050] 0.6%	1.0%
Xia C-2012	11 749	0.0147	0.0074: 0.02611 0.1%	0.9%
Wu JY-2017	7 1459	0.0048	0.0019: 0.00991 0.1%	0.9%
Wu ZH-2017	5 32120	0.0002	0.0001: 0.00041 2.3%	1.0%
Wu 7T-2013	14 4441 +	0.0032	0 0017 0 00531 0 3%	1.0%
Wand XH-2018	41 36152	00011		1 1 70

(4) Studies with sample sizes \leq 500 were excluded

Risk factors Water sources	Number of studies 2	Events	Total		OR(95%CI)
Тар		272	2521		
Other		269	1977	H I H	1.82(1.50;2.20)
Consumption of raw/undercooked meat	2				
No		247	1245		
Yes		355	1197	H -	1.47(1.17;1.84)
Ethnicity	4				
Han		1375	7387		
Minority		605	2471	H H H	1.50(1.29;1.73)
Working years for the occupational population	2				
<5		134	240		
≥5		241	314		1.69(0.53;5.35)
				0 1 2 3 4	5 6

Figure 39. risk factors of anti-HEV IgG positive rate

1.2 Supplementary Tables

Table S1. Score of studies evaluated by JBI Critical Appraisal Tools

- 1. Was the sample frame appropriate to address the target population?
- 2. Were study participants sampled in an appropriate way?
- 3. Was the sample size adequate?
- 4. Were the study subjects and the setting described in detail?

5. Was the data analysis conducted with sufficient coverage of the identified sa mple?

6. Were valid methods used for the identification of the condition?

7. Was the condition measured in a standard, reliable way for all participants?

8. Was there appropriate statistical analysis?

9. Was the response rate adequate, and if not, was the low response rate mana ged appropriately?

Table S2. Univariable and multivariable meta-regression analysis of anti-HEV I gM positive rates

Variable	Univariable regre	ession	Multivariable regression			
-	β (95%CI)	P value	β (95%Cl)	P value	OR (95%CI)	
Population						
The general population						
(reference)						
Occupational	0.0554 (0.0163,	0.0055				
population ^a	0.0946)	*				
Pregnant women ^a	0.0675 (0.0306, 0.1044)	0.0003 *				
Hospital attendees	0.0683 (0.0307, 0.1059)	0.0004 *	-0.0399 (-0.0805 <i>,</i> 0.0006)	0.0535		
Volunteer blood donors	0.0402 (0.0134 <i>,</i> 0.0670)	0.0033 *	0.0365 (-0.0147, 0.0878)	0.1624		
Age (yr)						
0-9 (reference)						
10-19	-0.0112 (-0.0887, -0.0663)	0.7769				
20-29	-0.0161 (-0.0871, -0.0549)	0.6573				
30-39	-0.0044 (-0.0753, -0.0664)	0.9026				
40-49	0.0218 (-0.0494, -0.0929)	0.5488				
50-59	0.0297 (-0.0457, -0.1050)	0.4404				
60+	0.0424 (-0.0338, -0.1186)	0.2752				
Gender						
Female (reference)						
Male	0.0018 (-0.0197, 0.0234)	0.8669				
Type of kits						
Other (reference)						
WanTai	0.0404 (0.0175,	0.0005	-0.0956 (-0.1499,	0.0006*	0.91 (0.86,	

	0.0633)	*	-0.0413)		0.96)
Region_1					
The north(reference)					
The south	0.0298 (0.0081,	0.0071	0.0583 (0.0282,	0.0001^{*}	1.06 (1.03,
	0.0514)	*	0.0884)		1.09)
Region_2					
Coastal provinces					
(reference)					
Inland regions	-0.0100 (-0.0321,	0.3788			
	0.0122)				
Region_3					
Other (reference)					
The west	-0.0259 (-0.0502,	0.0369			
	-0.0016)				
Study period ^a					
1997-2000 (reference)					
2001-2005	-0.1747 (-0.2832,	0.0016			
	-0.0663)	*			
2006-2011	-0.2148 (-0.3221,	<0.000			
	-0.1076)	1*			
2012-2017	-0.2034 (-0.3104,	0.0002			
	-0.0964)	*			
2018-2022	-0.2175 (-0.3285,	0.0001			
	-0.1065)	*			
Urban_rural					
distribution					
Rural (reference)					
Urban	-0.0142 (-0.0312,	0.1025			
	0.0028)				