Supplementary Material

Prevalence of hepatitis E virus in China from 1997 to 2022: a systematic review and meta-analysis

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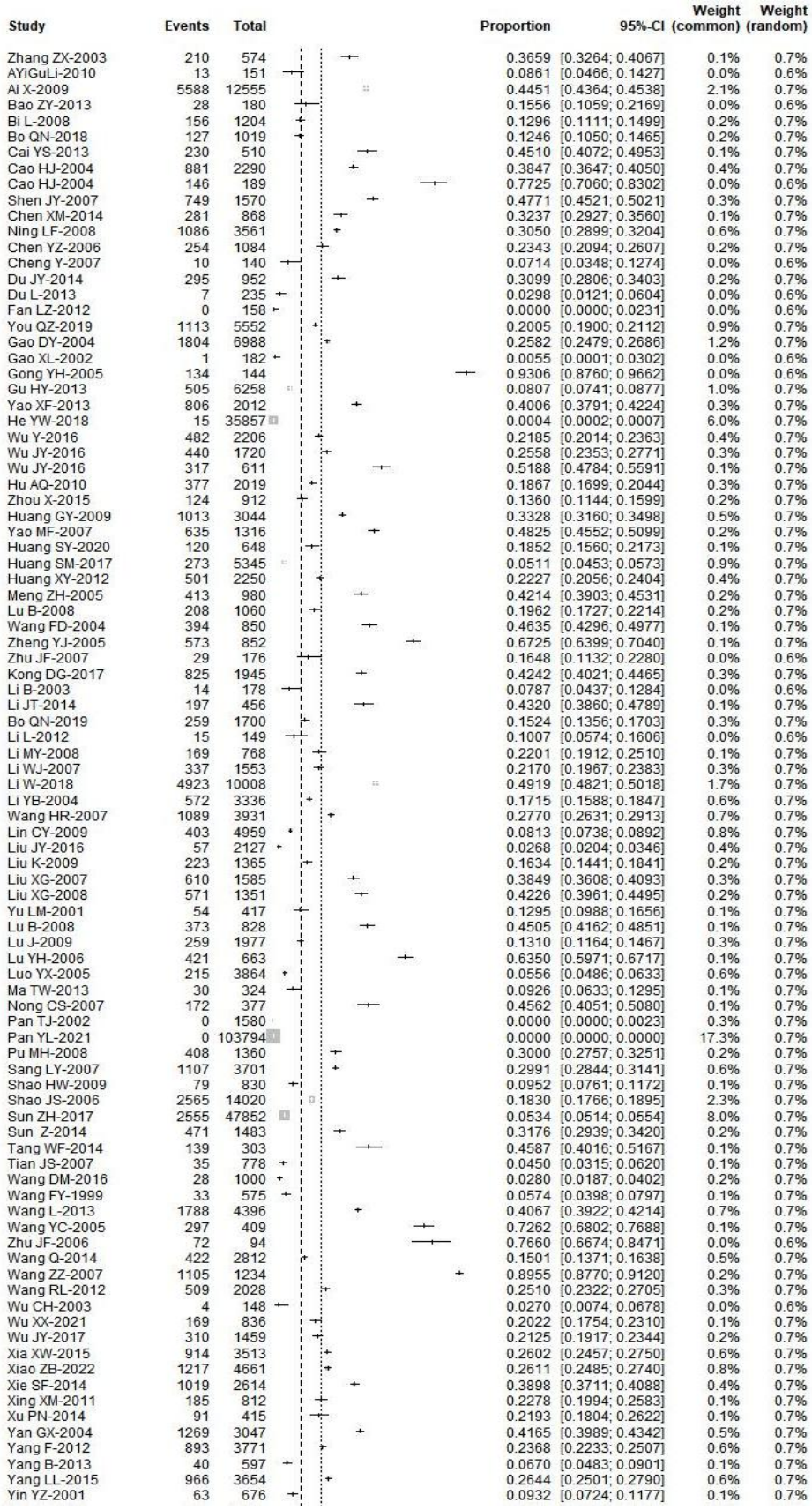
1 Supplementary Figures and Tables

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 28 180 0.1556 [0.1059; 0.2169] 0.0% 0.6%
Bi L-2008 156 1204 0.1296 [0.1111; 0.1499] 0.2% 0.7%
Bo QN-2018 127 1019 0.1246 [0.1050; 0.1465] 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%
Shen JY-2007 749 1570 0.4771 [0.4521; 0.5021] 0.3% 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%
Cheng Y-2007 10 140 0.0714 [0.0348; 0.1274] 0.0% 0.6%
Du JY-2014 295 952 0.3099 [0.2806; 0.3403] 0.2% 0.7%
Du L-2013 7 235 0.0298 [0.0121; 0.0604] 0.0% 0.6%
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 DY-2004 1804 6988 0.2582 [0.2479; 0.2686] 1.2% 0.7%
Gao XL-2002 1 182 0.0055 [0.0001; 0.0302] 0.0% 0.6%
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 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 1720 0.2558 [0.2353; 0.2771] 0.3% 0.7%
Wu JY-2016 317 611 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%
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 273 5345 0.0511 [0.0453; 0.0573] 0.9% 0.7%
Huang XY-2012 501 2250 0.2227 [0.2056; 0.2404] 0.4% 0.7%
Meng ZH-2005 413 980 0.4214 [0.3903; 0.4531] 0.2% 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%
Zhu JF-2007 29 176 0.1648 [0.1132; 0.2280] 0.0% 0.6%
Kong DG-2017 825 1945 0.4242 [0.4021; 0.4465] 0.3% 0.7%
Li B-2003 14 178 0.0787 [0.0437; 0.1284] 0.0% 0.6%
Li JT-2014 197 456 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%
Li L-2012 15 149 0.1007 [0.0574; 0.1606] 0.0% 0.6%
Li MY-2008 169 768 0.2201 [0.1912; 0.2510] 0.1% 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 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%
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 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%
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 0 103794 0.0000 [0.0000; 0.0000] 17.3% 0.7%
Pu MH-2008 408 1360 0.3000 [0.2757; 0.3251] 0.2% 0.7%
Sang LY-2007 1107 3701 0.2991 [0.2844; 0.3141] 0.6% 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 0.4587 [0.4016; 0.5167] 0.1% 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 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%
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 509 2028 0.2510 [0.2322; 0.2705] 0.3% 0.7%
Wu CH-2003 4 148 0.0270 [0.0074; 0.0678] 0.0% 0.6%
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 1019 2614 0.3898 [0.3711; 0.4088] 0.4% 0.7%
Xing XM-2011 185 812 0.2278 [0.1994; 0.2583] 0.1% 0.7%
Xu PN-2014 91 415 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 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%
Yin YZ-2001 63 676 0.0932 [0.0724; 0.1177] 0.1% 0.7%

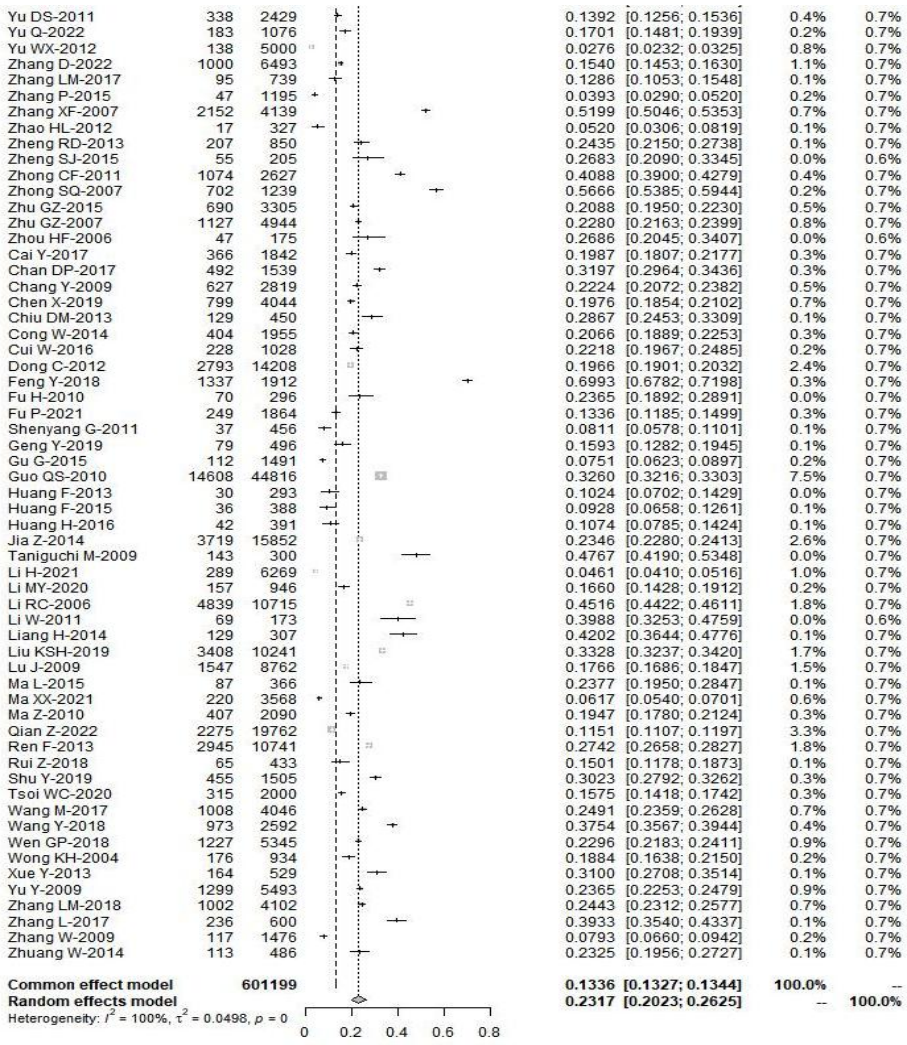
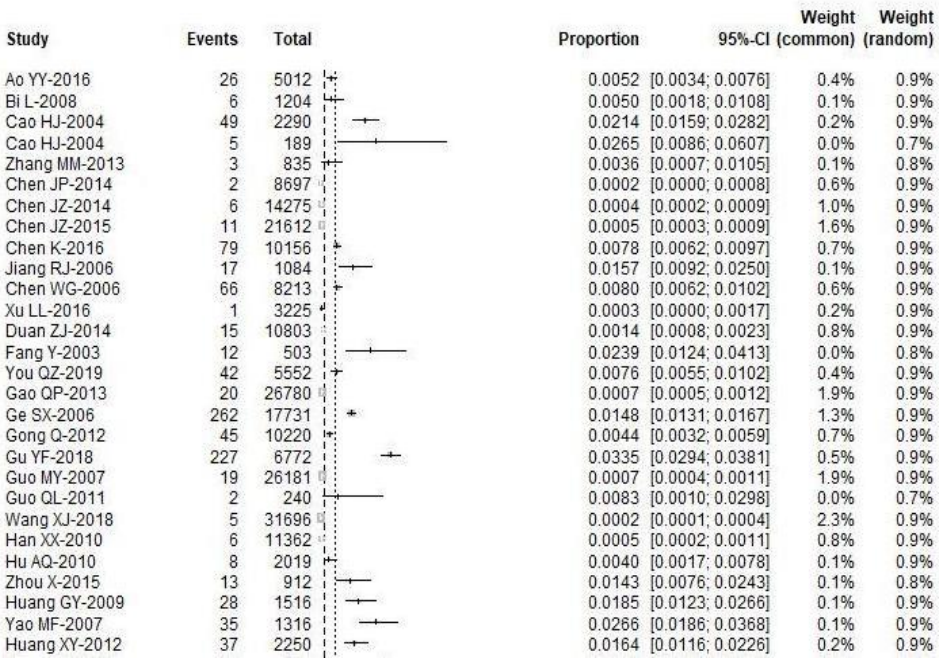


Figure S1. Forest plot of pooled anti-HEV IgG seroprevalence in China



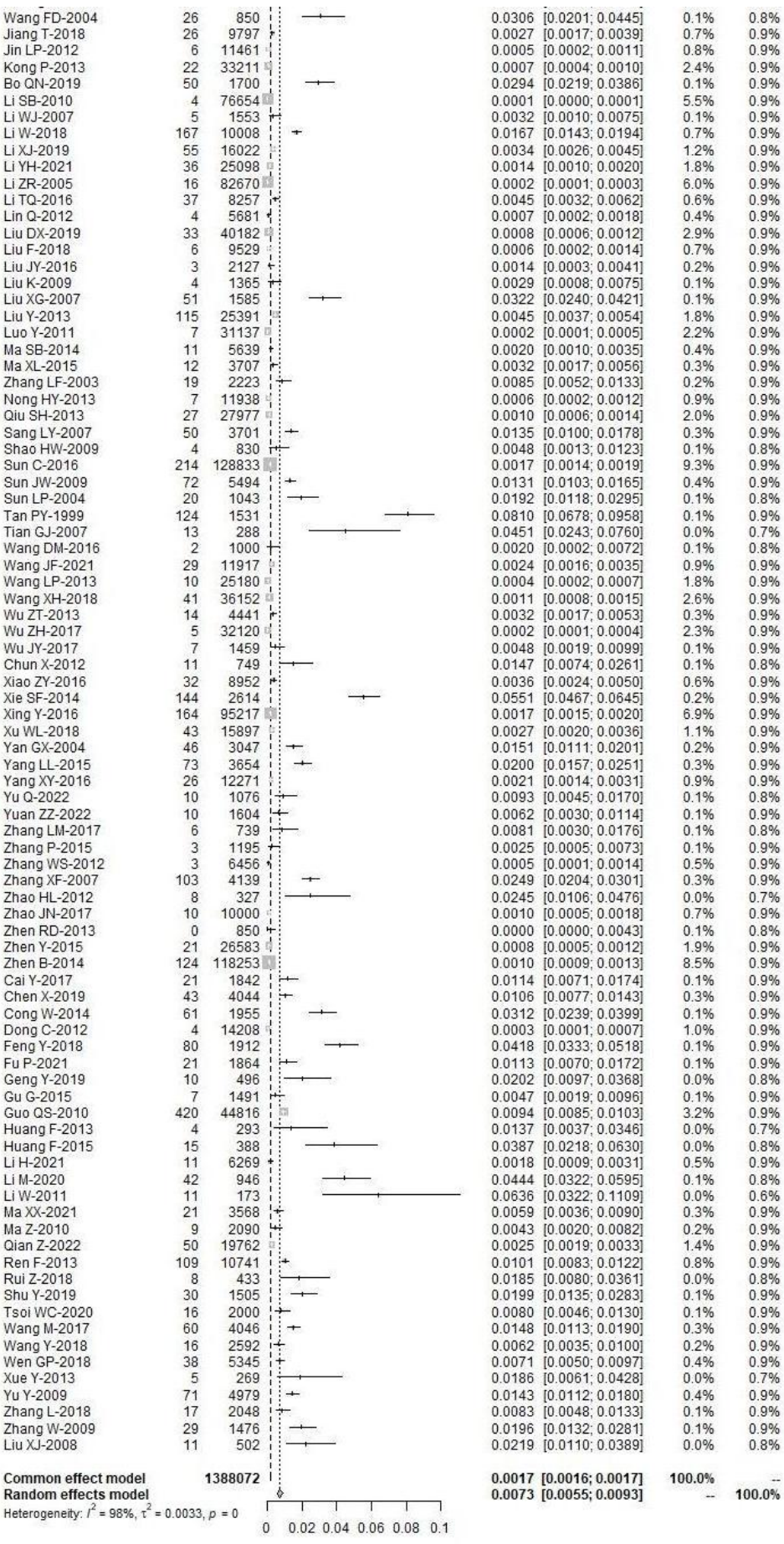

Wang FD-2004 26 850 0.0306 [0.0201; 0.0445] 0.1% 0.8%
Jiang T-2018 26 9797 0.0027 [0.0017; 0.0039] 0.7% 0.9%
Jin LP-2012 6 11461 0.0005 [0.0002; 0.0011] 0.8% 0.9%
Kong P-2013 22 33211 0.0007 [0.0004; 0.0010] 2.4% 0.9%
Bo QN-2019 50 1700 0.0294 [0.0219; 0.0386] 0.1% 0.9%
Li SB-2010 4 76654 0.0001 [0.0000; 0.0001] 5.5% 0.9%
Li WJ-2007 5 1553 0.0032 [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 0.0034 [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%
Li TQ-2016 37 8257 0.0045 [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 0.0008 [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 0.0014 [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% 0.9%
Luo Y-2011 7 31137 0.0002 [0.0001; 0.0005] 2.2% 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 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 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% 0.8%
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 0.0192 [0.0118; 0.0295] 0.1% 0.8%
Tan PY-1999 124 1531 0.0810 [0.0678; 0.0958] 0.1% 0.9%
Tian GJ-2007 13 288 0.0451 [0.0243; 0.0760] 0.0% 0.7%
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% 0.9%
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 0.0032 [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 7 1459 0.0048 [0.0019; 0.0099] 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 0.0551 [0.0467; 0.0645] 0.2% 0.9%
Xing Y-2016 164 95217 0.0017 [0.0015; 0.0020] 6.9% 0.9%
Xu WL-2018 43 15897 0.0027 [0.0020; 0.0036] 1.1% 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 0.0093 [0.0045; 0.0170] 0.1% 0.8%
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 P-2015 3 1195 0.0025 [0.0005; 0.0073] 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 8 327 0.0245 [0.0106; 0.0476] 0.0% 0.7%
Zhao JN-2017 10 10000 0.0010 [0.0005; 0.0018] 0.7% 0.9%
Zhen RD-2013 0 850 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%
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%
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%
Geng Y-2019 10 496 0.0202 [0.0097; 0.0368] 0.0% 0.8%
Gu G-2015 7 1491 0.0047 [0.0019; 0.0096] 0.1% 0.9%
Guo QS-2010 420 44816 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 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% 0.8%
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 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%
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%
Liu XJ-2008 11 502 0.0219 [0.0110; 0.0389] 0.0% 0.8%
Common effect model 1388072 0.0017 [0.0016; 0.0017] 100.0% --
Random effects model 0.0073 [0.0055; 0.0093] -- 100.0%
Heterogeneity: I^2 = 98%, τ^2 = 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

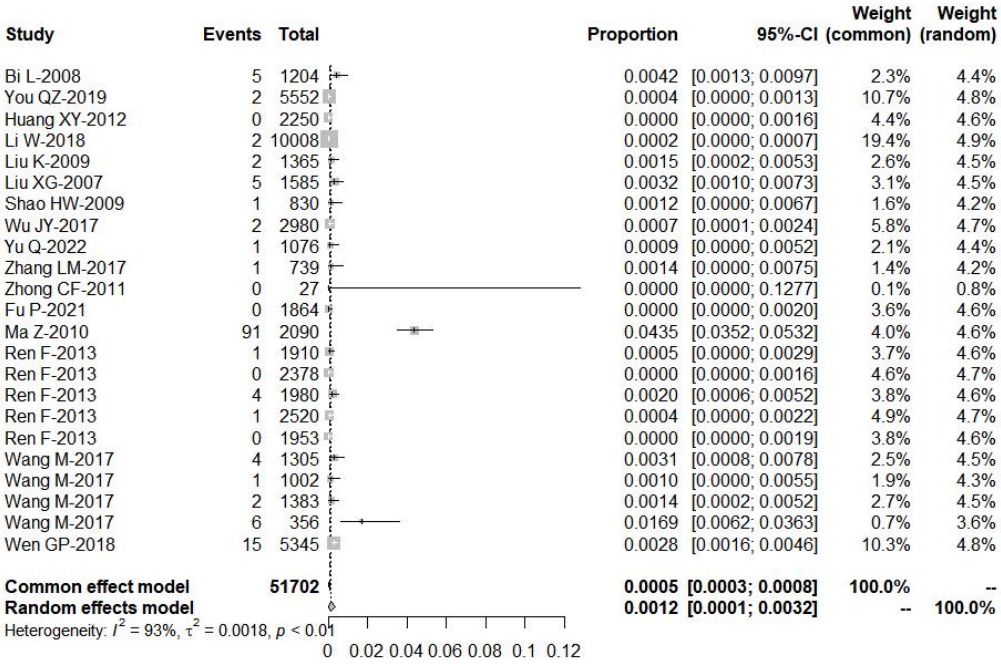


Figure S3. Forest plot of pooled HEV anti-HEV Ag seroprevalence in China

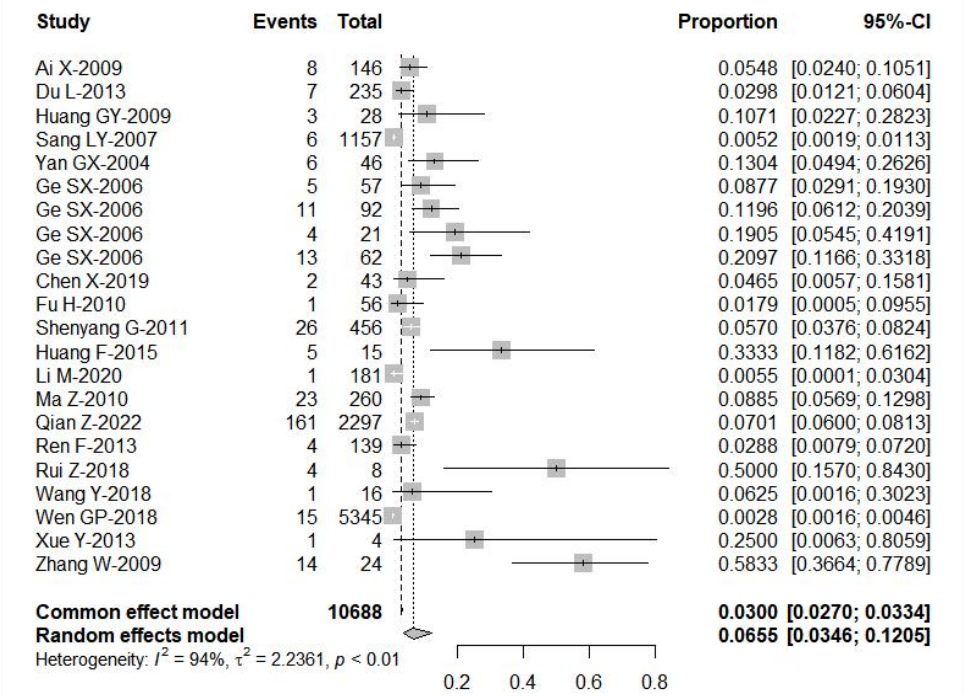
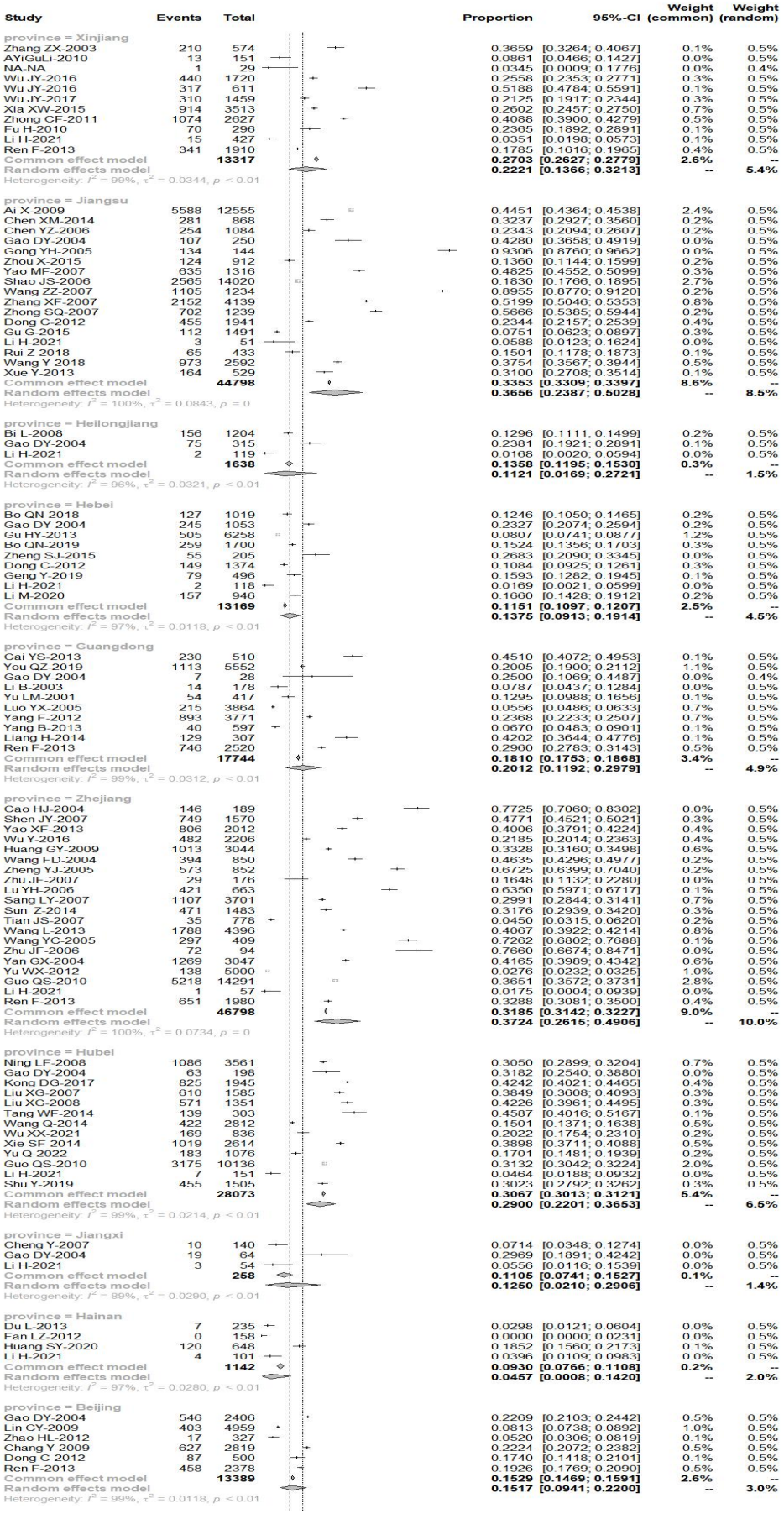
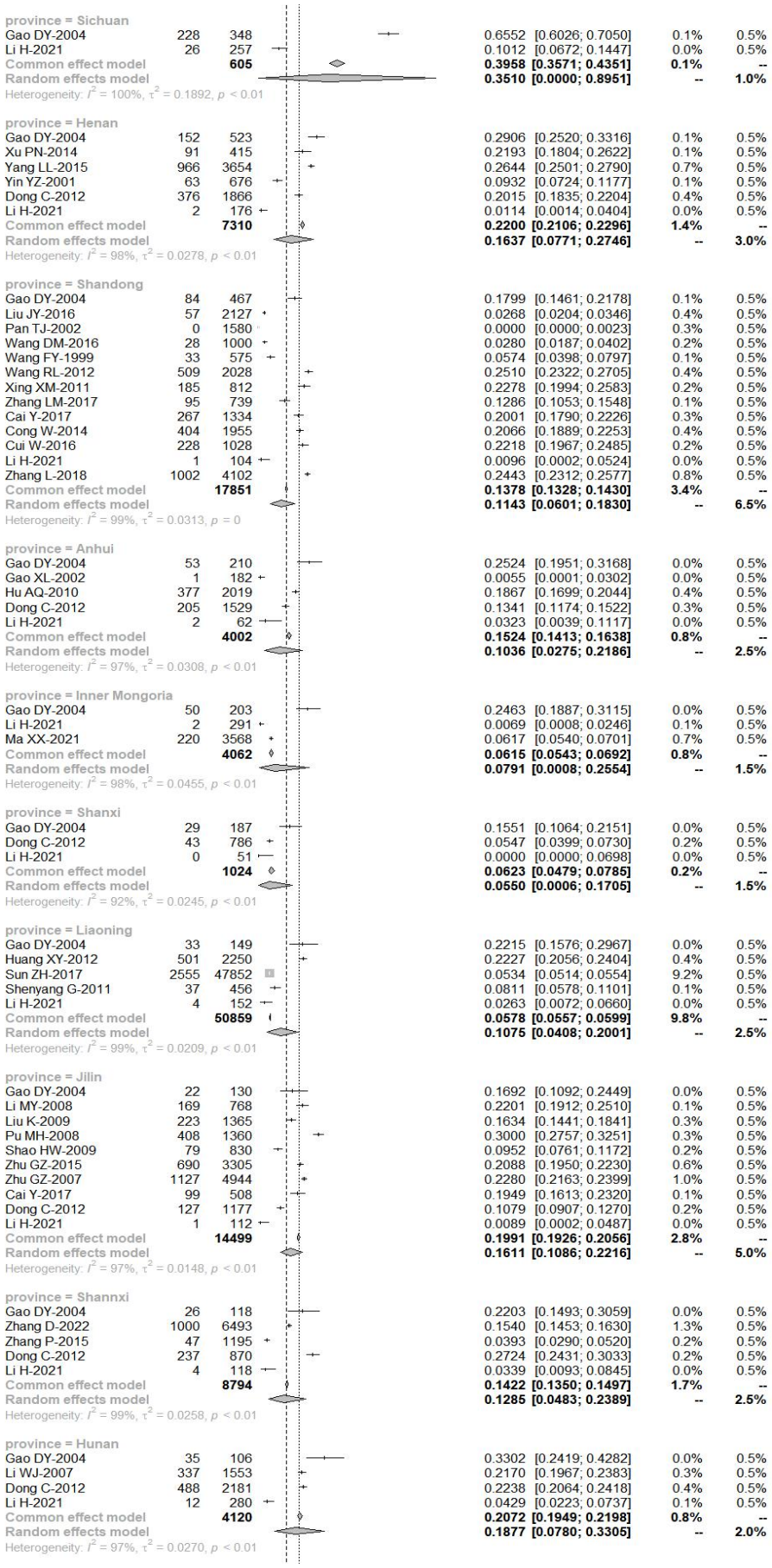


Figure S4. Forest plot of pooled HEV RNA detection rate in China


Study Events Total Proportion 95%-CI Weight (common) Weight (random)
province = Xinjiang
Zhang ZX-2003 210 574 0.3659 [0.3264; 0.4067] 0.1% 0.5%
AYiGuLi-2010 13 151 0.0861 [0.0466; 0.1427] 0.0% 0.5%
NA-NA 1 29 0.0345 [0.0009; 0.1776] 0.0% 0.4%
Wu JY-2016 440 1720 0.2558 [0.2353; 0.2771] 0.3% 0.5%
Wu JY-2016 317 611 0.5188 [0.4784; 0.5591] 0.1% 0.5%
Wu JY-2017 310 1459 0.2125 [0.1917; 0.2344] 0.3% 0.5%
Xia XW-2015 914 3513 0.2602 [0.2457; 0.2750] 0.7% 0.5%
Zhong CF-2011 1074 2627 0.4088 [0.3900; 0.4279] 0.5% 0.5%
Fu H-2010 70 296 0.2365 [0.1892; 0.2891] 0.1% 0.5%
Li H-2021 15 427 0.0351 [0.0198; 0.0573] 0.1% 0.5%
Ren F-2013 341 1910 0.1785 [0.1616; 0.1965] 0.4% 0.5%
Common effect model 13317 0.2703 [0.2627; 0.2779] 2.6% --
Random effects model 0.2221 [0.1366; 0.3213] -- 5.4%
Heterogeneity: I^2 = 99%, τ^2 = 0.0344, p < 0.01
province = Jiangsu
Ai X-2009 5588 12555 0.4451 [0.4364; 0.4538] 2.4% 0.5%
Chen XM-2014 281 868 0.3237 [0.2927; 0.3560] 0.2% 0.5%
Chen YZ-2006 254 1084 0.2343 [0.2094; 0.2607] 0.2% 0.5%
Gao DY-2004 107 250 0.4280 [0.3658; 0.4919] 0.0% 0.5%
Gong YH-2005 134 144 0.9306 [0.8760; 0.9662] 0.0% 0.5%
Zhou X-2015 124 912 0.1360 [0.1144; 0.1599] 0.2% 0.5%
Yao MF-2007 635 1316 0.4825 [0.4552; 0.5099] 0.3% 0.5%
Shao JS-2006 2565 14020 0.1830 [0.1766; 0.1895] 2.7% 0.5%
Wang ZZ-2007 1105 1234 0.8955 [0.8770; 0.9120] 0.2% 0.5%
Zhang XF-2007 2152 4139 0.5199 [0.5046; 0.5353] 0.8% 0.5%
Zhong SQ-2007 702 1239 0.5666 [0.5385; 0.5944] 0.2% 0.5%
Dong C-2012 455 1941 0.2344 [0.2157; 0.2539] 0.4% 0.5%
Gu G-2015 112 1491 0.0751 [0.0623; 0.0897] 0.3% 0.5%
Li H-2021 3 51 0.0588 [0.0123; 0.1624] 0.0% 0.5%
Rui Z-2018 65 433 0.1501 [0.1178; 0.1873] 0.1% 0.5%
Wang Y-2018 973 2592 0.3754 [0.3567; 0.3944] 0.5% 0.5%
Xue Y-2013 164 529 0.3100 [0.2708; 0.3514] 0.1% 0.5%
Common effect model 44798 0.3353 [0.3309; 0.3397] 8.6% --
Random effects model 0.3656 [0.2387; 0.5028] -- 8.5%
Heterogeneity: I^2 = 100%, τ^2 = 0.0843, p = 0
province = Heilongjiang
Bi L-2008 156 1204 0.1296 [0.1111; 0.1499] 0.2% 0.5%
Gao DY-2004 75 315 0.2381 [0.1921; 0.2891] 0.1% 0.5%
Li H-2021 2 119 0.0168 [0.0020; 0.0594] 0.0% 0.5%
Common effect model 1638 0.1358 [0.1195; 0.1530] 0.3% --
Random effects model 0.1121 [0.0169; 0.2721] -- 1.5%
Heterogeneity: I^2 = 96%, τ^2 = 0.0321, p < 0.01
province = Hebei
Bo QN-2018 127 1019 0.1246 [0.1050; 0.1465] 0.2% 0.5%
Gao DY-2004 245 1053 0.2327 [0.2074; 0.2594] 0.2% 0.5%
Gu HY-2013 505 6258 0.0807 [0.0741; 0.0877] 1.2% 0.5%
Bo QN-2019 259 1700 0.1524 [0.1356; 0.1703] 0.3% 0.5%
Zheng SJ-2015 55 205 0.2683 [0.2090; 0.3345] 0.0% 0.5%
Dong C-2012 149 1374 0.1084 [0.0925; 0.1261] 0.3% 0.5%
Geng Y-2019 79 496 0.1593 [0.1282; 0.1945] 0.1% 0.5%
Li H-2021 2 118 0.0169 [0.0021; 0.0599] 0.0% 0.5%
Li M-2020 157 946 0.1660 [0.1428; 0.1912] 0.2% 0.5%
Common effect model 13169 0.1151 [0.1097; 0.1207] 2.5% --
Random effects model 0.1375 [0.0913; 0.1914] -- 4.5%
Heterogeneity: I^2 = 97%, τ^2 = 0.0118, p < 0.01
province = Guangdong
Cai YS-2013 230 510 0.4510 [0.4072; 0.4953] 0.1% 0.5%
You QZ-2019 1113 5552 0.2005 [0.1900; 0.2112] 1.1% 0.5%
Gao DY-2004 7 28 0.2500 [0.1069; 0.4487] 0.0% 0.4%
Li B-2003 14 178 0.0787 [0.0437; 0.1284] 0.0% 0.5%
Yu LM-2001 54 417 0.1295 [0.0988; 0.1656] 0.1% 0.5%
Luo YX-2005 215 3864 0.0556 [0.0486; 0.0633] 0.7% 0.5%
Yang F-2012 893 3771 0.2368 [0.2233; 0.2507] 0.7% 0.5%
Yang B-2013 40 597 0.0670 [0.0483; 0.0901] 0.1% 0.5%
Liang H-2014 129 307 0.4202 [0.3644; 0.4776] 0.1% 0.5%
Ren F-2013 746 2520 0.2960 [0.2783; 0.3143] 0.5% 0.5%
Common effect model 17744 0.1810 [0.1753; 0.1868] 3.4% --
Random effects model 0.2012 [0.1192; 0.2979] -- 4.9%
Heterogeneity: I^2 = 99%, τ^2 = 0.0312, p < 0.01
province = Zhejiang
Cao HJ-2004 146 189 0.7725 [0.7060; 0.8302] 0.0% 0.5%
Shen JY-2007 749 1570 0.4771 [0.4521; 0.5021] 0.3% 0.5%
Yao XF-2013 806 2012 0.4006 [0.3791; 0.4224] 0.4% 0.5%
Wu Y-2016 482 2206 0.2185 [0.2014; 0.2363] 0.4% 0.5%
Huang GY-2009 1013 3044 0.3328 [0.3160; 0.3498] 0.6% 0.5%
Wang FD-2004 394 850 0.4635 [0.4296; 0.4977] 0.2% 0.5%
Zheng YJ-2005 573 852 0.6725 [0.6399; 0.7040] 0.2% 0.5%
Zhu JF-2007 29 176 0.1648 [0.1132; 0.2280] 0.0% 0.5%
Lu YH-2006 421 663 0.6350 [0.5971; 0.6717] 0.1% 0.5%
Sang LY-2007 1107 3701 0.2991 [0.2844; 0.3141] 0.7% 0.5%
Sun Z-2014 471 1483 0.3176 [0.2939; 0.3420] 0.3% 0.5%
Tian JS-2007 35 778 0.0450 [0.0315; 0.0620] 0.2% 0.5%
Wang L-2013 1788 4396 0.4067 [0.3922; 0.4214] 0.8% 0.5%
Wang YC-2005 297 409 0.7262 [0.6802; 0.7688] 0.1% 0.5%
Zhu JF-2006 72 94 0.7660 [0.6674; 0.8471] 0.0% 0.5%
Yan GX-2004 1269 3047 0.4165 [0.3989; 0.4342] 0.6% 0.5%
Yu WX-2012 138 5000 0.0276 [0.0232; 0.0325] 1.0% 0.5%
Guo QS-2010 5218 14291 0.3651 [0.3572; 0.3731] 2.8% 0.5%
Li H-2021 1 57 0.0175 [0.0004; 0.0939] 0.0% 0.5%
Ren F-2013 651 1980 0.3288 [0.3081; 0.3500] 0.4% 0.5%
Common effect model 46798 0.3185 [0.3142; 0.3227] 9.0% --
Random effects model 0.3724 [0.2615; 0.4906] -- 10.0%
Heterogeneity: I^2 = 100%, τ^2 = 0.0734, p = 0
province = Hubei
Ning LF-2008 1086 3561 0.3050 [0.2899; 0.3204] 0.7% 0.5%
Gao DY-2004 63 198 0.3182 [0.2540; 0.3880] 0.0% 0.5%
Kong DG-2017 825 1945 0.4242 [0.4021; 0.4465] 0.4% 0.5%
Liu XG-2007 610 1585 0.3849 [0.3608; 0.4093] 0.3% 0.5%
Liu XG-2008 571 1351 0.4226 [0.3961; 0.4495] 0.3% 0.5%
Tang WF-2014 139 303 0.4587 [0.4016; 0.5167] 0.1% 0.5%
Wang Q-2014 422 2812 0.1501 [0.1371; 0.1638] 0.5% 0.5%
Wu XX-2021 169 836 0.2022 [0.1754; 0.2310] 0.2% 0.5%
Xie SF-2014 1019 2614 0.3898 [0.3711; 0.4088] 0.5% 0.5%
Yu Q-2022 183 1076 0.1701 [0.1481; 0.1939] 0.2% 0.5%
Guo QS-2010 3175 10136 0.3132 [0.3042; 0.3224] 2.0% 0.5%
Li H-2021 7 151 0.0464 [0.0188; 0.0932] 0.0% 0.5%
Shu Y-2019 455 1505 0.3023 [0.2792; 0.3262] 0.3% 0.5%
Common effect model 28073 0.3067 [0.3013; 0.3121] 5.4% --
Random effects model 0.2900 [0.2201; 0.3653] -- 6.5%
Heterogeneity: I^2 = 99%, τ^2 = 0.0214, p < 0.01
province = Jiangxi
Cheng Y-2007 10 140 0.0714 [0.0348; 0.1274] 0.0% 0.5%
Gao DY-2004 19 64 0.2969 [0.1891; 0.4242] 0.0% 0.5%
Li H-2021 3 54 0.0556 [0.0116; 0.1539] 0.0% 0.5%
Common effect model 258 0.1105 [0.0741; 0.1527] 0.1% --
Random effects model 0.1250 [0.0210; 0.2906] -- 1.4%
Heterogeneity: I^2 = 89%, τ^2 = 0.0290, p < 0.01
province = Hainan
Du L-2013 7 235 0.0298 [0.0121; 0.0604] 0.0% 0.5%
Fan LZ-2012 0 158 0.0000 [0.0000; 0.0231] 0.0% 0.5%
Huang SY-2020 120 648 0.1852 [0.1560; 0.2173] 0.1% 0.5%
Li H-2021 4 101 0.0396 [0.0109; 0.0983] 0.0% 0.5%
Common effect model 1142 0.0930 [0.0766; 0.1108] 0.2% --
Random effects model 0.0457 [0.0008; 0.1420] -- 2.0%
Heterogeneity: I^2 = 97%, τ^2 = 0.0280, p < 0.01
province = Beijing
Gao DY-2004 546 2406 0.2269 [0.2103; 0.2442] 0.5% 0.5%
Lin CY-2009 403 4959 0.0813 [0.0738; 0.0892] 1.0% 0.5%
Zhao HL-2012 17 327 0.0520 [0.0306; 0.0819] 0.1% 0.5%
Chang Y-2009 627 2819 0.2224 [0.2072; 0.2382] 0.5% 0.5%
Dong C-2012 87 500 0.1740 [0.1418; 0.2101] 0.1% 0.5%
Ren F-2013 458 2378 0.1926 [0.1769; 0.2090] 0.5% 0.5%
Common effect model 13389 0.1529 [0.1469; 0.1591] 2.6% --
Random effects model 0.1517 [0.0941; 0.2200] -- 3.0%
Heterogeneity: I^2 = 99%, τ^2 = 0.0118, p < 0.01


province = Sichuan
Gao DY-2004 228 348 0.6552 [0.6026; 0.7050] 0.1% 0.5%
Li H-2021 26 257 0.1012 [0.0672; 0.1447] 0.0% 0.5%
Common effect model 605 0.3958 [0.3571; 0.4351] 0.1% --
Random effects model 0.3510 [0.0000; 0.8951] -- 1.0%
Heterogeneity: I^2 = 100%, τ^2 = 0.1892, p < 0.01
province = Henan
Gao DY-2004 152 523 0.2906 [0.2520; 0.3316] 0.1% 0.5%
Xu PN-2014 91 415 0.2193 [0.1804; 0.2622] 0.1% 0.5%
Yang LL-2015 966 3654 0.2644 [0.2501; 0.2790] 0.7% 0.5%
Yin YZ-2001 63 676 0.0932 [0.0724; 0.1177] 0.1% 0.5%
Dong C-2012 376 1866 0.2015 [0.1835; 0.2204] 0.4% 0.5%
Li H-2021 2 176 0.0114 [0.0014; 0.0404] 0.0% 0.5%
Common effect model 7310 0.2200 [0.2106; 0.2296] 1.4% --
Random effects model 0.1637 [0.0771; 0.2746] -- 3.0%
Heterogeneity: I^2 = 98%, τ^2 = 0.0278, p < 0.01
province = Shandong
Gao DY-2004 84 467 0.1799 [0.1461; 0.2178] 0.1% 0.5%
Liu JY-2016 57 2127 0.0268 [0.0204; 0.0346] 0.4% 0.5%
Pan TJ-2002 0 1580 0.0000 [0.0000; 0.0023] 0.3% 0.5%
Wang DM-2016 28 1000 0.0280 [0.0187; 0.0402] 0.2% 0.5%
Wang FY-1999 33 575 0.0574 [0.0398; 0.0797] 0.1% 0.5%
Wang RL-2012 509 2028 0.2510 [0.2322; 0.2705] 0.4% 0.5%
Xing XM-2011 185 812 0.2278 [0.1994; 0.2583] 0.2% 0.5%
Zhang LM-2017 95 739 0.1286 [0.1053; 0.1548] 0.1% 0.5%
Cai Y-2017 267 1334 0.2001 [0.1790; 0.2226] 0.3% 0.5%
Cong W-2014 404 1955 0.2066 [0.1889; 0.2253] 0.4% 0.5%
Cui W-2016 228 1028 0.2218 [0.1967; 0.2485] 0.2% 0.5%
Li H-2021 1 104 0.0096 [0.0002; 0.0524] 0.0% 0.5%
Zhang L-2018 1002 4102 0.2443 [0.2312; 0.2577] 0.8% 0.5%
Common effect model 17851 0.1378 [0.1328; 0.1430] 3.4% --
Random effects model 0.1143 [0.0601; 0.1830] -- 6.5%
Heterogeneity: I^2 = 99%, τ^2 = 0.0313, p = 0
province = Anhui
Gao DY-2004 53 210 0.2524 [0.1951; 0.3168] 0.0% 0.5%
Gao XL-2002 1 182 0.0055 [0.0001; 0.0302] 0.0% 0.5%
Hu AQ-2010 377 2019 0.1867 [0.1699; 0.2044] 0.4% 0.5%
Dong C-2012 205 1529 0.1341 [0.1174; 0.1522] 0.3% 0.5%
Li H-2021 2 62 0.0323 [0.0039; 0.1117] 0.0% 0.5%
Common effect model 4002 0.1524 [0.1413; 0.1638] 0.8% --
Random effects model 0.1036 [0.0275; 0.2186] -- 2.5%
Heterogeneity: I^2 = 97%, τ^2 = 0.0308, p < 0.01
province = Inner Mongoria
Gao DY-2004 50 203 0.2463 [0.1887; 0.3115] 0.0% 0.5%
Li H-2021 2 291 0.0069 [0.0008; 0.0246] 0.1% 0.5%
Ma XX-2021 220 3568 0.0617 [0.0540; 0.0701] 0.7% 0.5%
Common effect model 4062 0.0615 [0.0543; 0.0692] 0.8% --
Random effects model 0.0791 [0.0008; 0.2554] -- 1.5%
Heterogeneity: I^2 = 98%, τ^2 = 0.0455, p < 0.01
province = Shanxi
Gao DY-2004 29 187 0.1551 [0.1064; 0.2151] 0.0% 0.5%
Dong C-2012 43 786 0.0547 [0.0399; 0.0730] 0.2% 0.5%
Li H-2021 0 51 0.0000 [0.0000; 0.0698] 0.0% 0.5%
Common effect model 1024 0.0623 [0.0479; 0.0785] 0.2% --
Random effects model 0.0550 [0.0006; 0.1705] -- 1.5%
Heterogeneity: I^2 = 92%, τ^2 = 0.0245, p < 0.01
province = Liaoning
Gao DY-2004 33 149 0.2215 [0.1576; 0.2967] 0.0% 0.5%
Huang XY-2012 501 2250 0.2227 [0.2056; 0.2404] 0.4% 0.5%
Sun ZH-2017 2555 47852 0.0534 [0.0514; 0.0554] 9.2% 0.5%
Shenyang G-2011 37 456 0.0811 [0.0578; 0.1101] 0.1% 0.5%
Li H-2021 4 152 0.0263 [0.0072; 0.0660] 0.0% 0.5%
Common effect model 50859 0.0578 [0.0557; 0.0599] 9.8% --
Random effects model 0.1075 [0.0408; 0.2001] -- 2.5%
Heterogeneity: I^2 = 99%, τ^2 = 0.0209, p < 0.01
province = Jilin
Gao DY-2004 22 130 0.1692 [0.1092; 0.2449] 0.0% 0.5%
Li MY-2008 169 768 0.2201 [0.1912; 0.2510] 0.1% 0.5%
Liu K-2009 223 1365 0.1634 [0.1441; 0.1841] 0.3% 0.5%
Pu MH-2008 408 1360 0.3000 [0.2757; 0.3251] 0.3% 0.5%
Shao HW-2009 79 830 0.0952 [0.0761; 0.1172] 0.2% 0.5%
Zhu GZ-2015 690 3305 0.2088 [0.1950; 0.2230] 0.6% 0.5%
Zhu GZ-2007 1127 4944 0.2280 [0.2163; 0.2399] 1.0% 0.5%
Cai Y-2017 99 508 0.1949 [0.1613; 0.2320] 0.1% 0.5%
Dong C-2012 127 1177 0.1079 [0.0907; 0.1270] 0.2% 0.5%
Li H-2021 1 112 0.0089 [0.0002; 0.0487] 0.0% 0.5%
Common effect model 14499 0.1991 [0.1926; 0.2056] 2.8% --
Random effects model 0.1611 [0.1086; 0.2216] -- 5.0%
Heterogeneity: I^2 = 97%, τ^2 = 0.0148, p < 0.01
province = Shannxi
Gao DY-2004 26 118 0.2203 [0.1493; 0.3059] 0.0% 0.5%
Zhang D-2022 1000 6493 0.1540 [0.1453; 0.1630] 1.3% 0.5%
Zhang P-2015 47 1195 0.0393 [0.0290; 0.0520] 0.2% 0.5%
Dong C-2012 237 870 0.2724 [0.2431; 0.3033] 0.2% 0.5%
Li H-2021 4 118 0.0339 [0.0093; 0.0845] 0.0% 0.5%
Common effect model 8794 0.1422 [0.1350; 0.1497] 1.7% --
Random effects model 0.1285 [0.0483; 0.2389] -- 2.5%
Heterogeneity: I^2 = 99%, τ^2 = 0.0258, p < 0.01
province = Hunan
Gao DY-2004 35 106 0.3302 [0.2419; 0.4282] 0.0% 0.5%
Li WJ-2007 337 1553 0.2170 [0.1967; 0.2383] 0.3% 0.5%
Dong C-2012 488 2181 0.2238 [0.2064; 0.2418] 0.4% 0.5%
Li H-2021 12 280 0.0429 [0.0223; 0.0737] 0.1% 0.5%
Common effect model 4120 0.2072 [0.1949; 0.2198] 0.8% --
Random effects model 0.1877 [0.0780; 0.3305] -- 2.0%
Heterogeneity: I^2 = 97%, τ^2 = 0.0270, p < 0.01

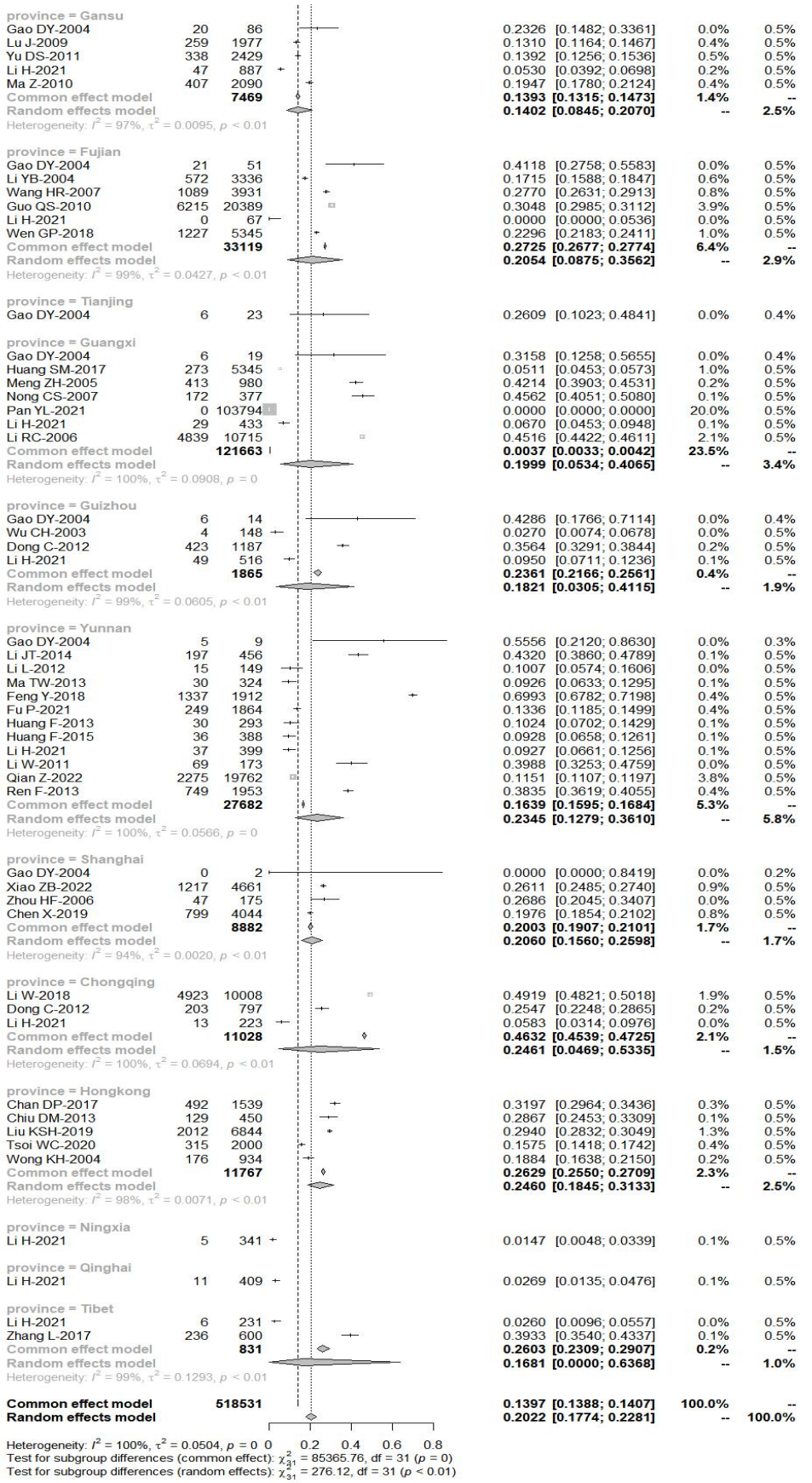
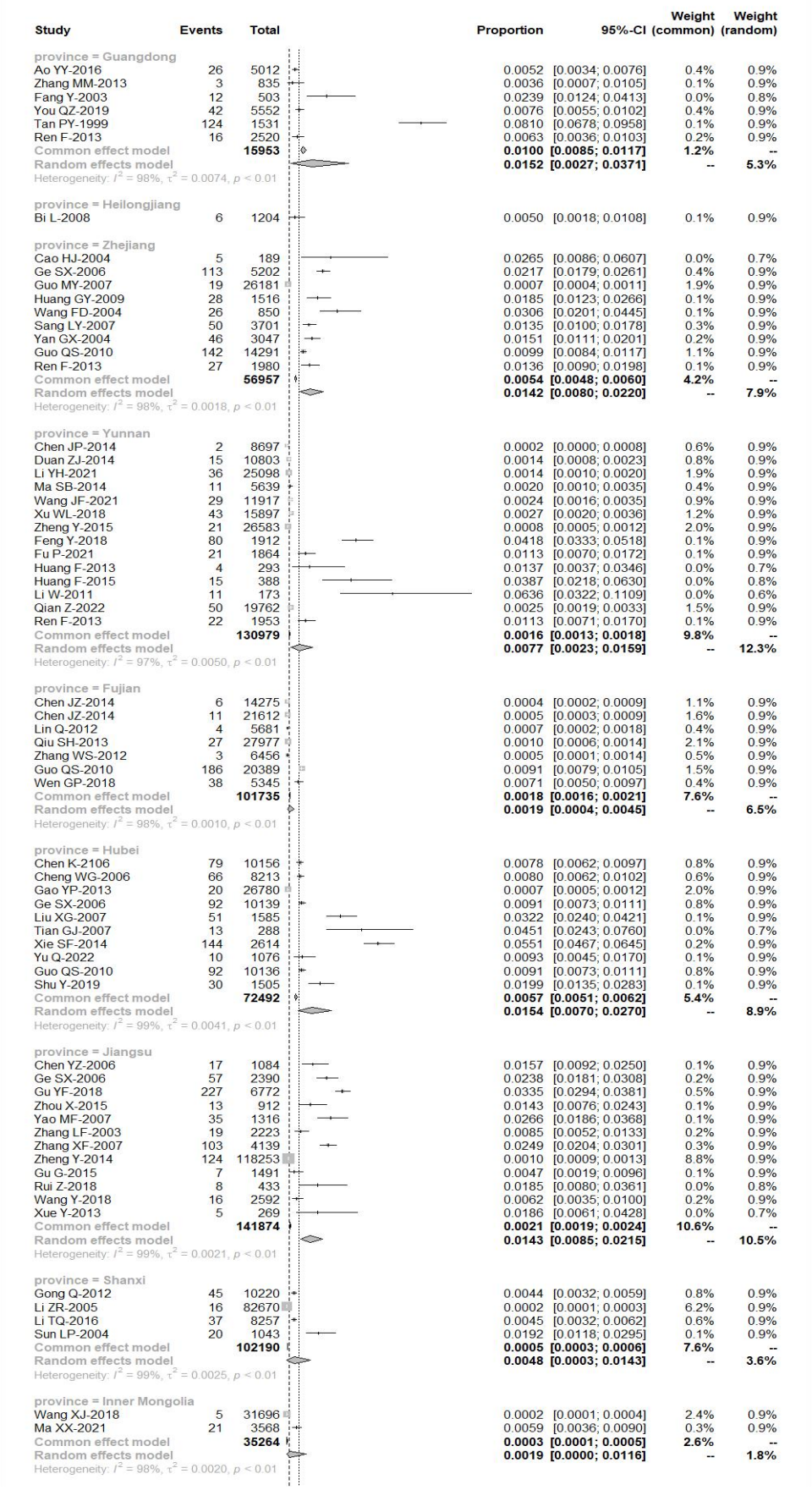


Figure S5. Forest plot of pooled anti-HEV IgG seroprevalence of all populations among different provinces


Study Events Total Proportion 95%-CI Weight (common) Weight (random)
province = Guangdong
Ao YY-2016 26 5012 0.0052 [0.0034; 0.0076] 0.4% 0.9%
Zhang MM-2013 3 835 0.0036 [0.0007; 0.0105] 0.1% 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%
Tan PY-1999 124 1531 0.0810 [0.0678; 0.0958] 0.1% 0.9%
Ren F-2013 16 2520 0.0063 [0.0036; 0.0103] 0.2% 0.9%
Common effect model 15953 0.0100 [0.0085; 0.0117] 1.2% --
Random effects model 0.0152 [0.0027; 0.0371] -- 5.3%
Heterogeneity: I^2 = 98%, τ^2 = 0.0074, p < 0.01
province = Heilongjiang
Bi L-2008 6 1204 0.0050 [0.0018; 0.0108] 0.1% 0.9%
province = Zhejiang
Cao HJ-2004 5 189 0.0265 [0.0086; 0.0607] 0.0% 0.7%
Ge SX-2006 113 5202 0.0217 [0.0179; 0.0261] 0.4% 0.9%
Guo MY-2007 19 26181 0.0007 [0.0004; 0.0011] 1.9% 0.9%
Huang GY-2009 28 1516 0.0185 [0.0123; 0.0266] 0.1% 0.9%
Wang FD-2004 26 850 0.0306 [0.0201; 0.0445] 0.1% 0.9%
Sang LY-2007 50 3701 0.0135 [0.0100; 0.0178] 0.3% 0.9%
Yan GX-2004 46 3047 0.0151 [0.0111; 0.0201] 0.2% 0.9%
Guo QS-2010 142 14291 0.0099 [0.0084; 0.0117] 1.1% 0.9%
Ren F-2013 27 1980 0.0136 [0.0090; 0.0198] 0.1% 0.9%
Common effect model 56957 0.0054 [0.0048; 0.0060] 4.2% --
Random effects model 0.0142 [0.0080; 0.0220] -- 7.9%
Heterogeneity: I^2 = 98%, τ^2 = 0.0018, p < 0.01
province = Yunnan
Chen JP-2014 2 8697 0.0002 [0.0000; 0.0008] 0.6% 0.9%
Duan ZJ-2014 15 10803 0.0014 [0.0008; 0.0023] 0.8% 0.9%
Li YH-2021 36 25098 0.0014 [0.0010; 0.0020] 1.9% 0.9%
Ma SB-2014 11 5639 0.0020 [0.0010; 0.0035] 0.4% 0.9%
Wang JF-2021 29 11917 0.0024 [0.0016; 0.0035] 0.9% 0.9%
Xu WL-2018 43 15897 0.0027 [0.0020; 0.0036] 1.2% 0.9%
Zheng Y-2015 21 26583 0.0008 [0.0005; 0.0012] 2.0% 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%
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 W-2011 11 173 0.0636 [0.0322; 0.1109] 0.0% 0.6%
Qian Z-2022 50 19762 0.0025 [0.0019; 0.0033] 1.5% 0.9%
Ren F-2013 22 1953 0.0113 [0.0071; 0.0170] 0.1% 0.9%
Common effect model 130979 0.0016 [0.0013; 0.0018] 9.8% --
Random effects model 0.0077 [0.0023; 0.0159] -- 12.3%
Heterogeneity: I^2 = 97%, τ^2 = 0.0050, p < 0.01
province = Fujian
Chen JZ-2014 6 14275 0.0004 [0.0002; 0.0009] 1.1% 0.9%
Chen JZ-2014 11 21612 0.0005 [0.0003; 0.0009] 1.6% 0.9%
Lin Q-2012 4 5681 0.0007 [0.0002; 0.0018] 0.4% 0.9%
Qiu SH-2013 27 27977 0.0010 [0.0006; 0.0014] 2.1% 0.9%
Zhang WS-2012 3 6456 0.0005 [0.0001; 0.0014] 0.5% 0.9%
Guo QS-2010 186 20389 0.0091 [0.0079; 0.0105] 1.5% 0.9%
Wen GP-2018 38 5345 0.0071 [0.0050; 0.0097] 0.4% 0.9%
Common effect model 101735 0.0018 [0.0016; 0.0021] 7.6% --
Random effects model 0.0019 [0.0004; 0.0045] -- 6.5%
Heterogeneity: I^2 = 98%, τ^2 = 0.0010, p < 0.01
province = Hubei
Chen K-2106 79 10156 0.0078 [0.0062; 0.0097] 0.8% 0.9%
Cheng WG-2006 66 8213 0.0080 [0.0062; 0.0102] 0.6% 0.9%
Gao YP-2013 20 26780 0.0007 [0.0005; 0.0012] 2.0% 0.9%
Ge SX-2006 92 10139 0.0091 [0.0073; 0.0111] 0.8% 0.9%
Liu XG-2007 51 1585 0.0322 [0.0240; 0.0421] 0.1% 0.9%
Tian GJ-2007 13 288 0.0451 [0.0243; 0.0760] 0.0% 0.7%
Xie SF-2014 144 2614 0.0551 [0.0467; 0.0645] 0.2% 0.9%
Yu Q-2022 10 1076 0.0093 [0.0045; 0.0170] 0.1% 0.9%
Guo QS-2010 92 10136 0.0091 [0.0073; 0.0111] 0.8% 0.9%
Shu Y-2019 30 1505 0.0199 [0.0135; 0.0283] 0.1% 0.9%
Common effect model 72492 0.0057 [0.0051; 0.0062] 5.4% --
Random effects model 0.0154 [0.0070; 0.0270] -- 8.9%
Heterogeneity: I^2 = 99%, τ^2 = 0.0041, p < 0.01
province = Jiangsu
Chen YZ-2006 17 1084 0.0157 [0.0092; 0.0250] 0.1% 0.9%
Ge SX-2006 57 2390 0.0238 [0.0181; 0.0308] 0.2% 0.9%
Gu YF-2018 227 6772 0.0335 [0.0294; 0.0381] 0.5% 0.9%
Zhou X-2015 13 912 0.0143 [0.0076; 0.0243] 0.1% 0.9%
Yao MF-2007 35 1316 0.0266 [0.0186; 0.0368] 0.1% 0.9%
Zhang LF-2003 19 2223 0.0085 [0.0052; 0.0133] 0.2% 0.9%
Zhang XF-2007 103 4139 0.0249 [0.0204; 0.0301] 0.3% 0.9%
Zheng Y-2014 124 118253 0.0010 [0.0009; 0.0013] 8.8% 0.9%
Gu G-2015 7 1491 0.0047 [0.0019; 0.0096] 0.1% 0.9%
Rui Z-2018 8 433 0.0185 [0.0080; 0.0361] 0.0% 0.8%
Wang Y-2018 16 2592 0.0062 [0.0035; 0.0100] 0.2% 0.9%
Xue Y-2013 5 269 0.0186 [0.0061; 0.0428] 0.0% 0.7%
Common effect model 141874 0.0021 [0.0019; 0.0024] 10.6% --
Random effects model 0.0143 [0.0085; 0.0215] -- 10.5%
Heterogeneity: I^2 = 99%, τ^2 = 0.0021, p < 0.01
province = Shanxi
Gong Q-2012 45 10220 0.0044 [0.0032; 0.0059] 0.8% 0.9%
Li ZR-2005 16 82670 0.0002 [0.0001; 0.0003] 6.2% 0.9%
Li TQ-2016 37 8257 0.0045 [0.0032; 0.0062] 0.6% 0.9%
Sun LP-2004 20 1043 0.0192 [0.0118; 0.0295] 0.1% 0.9%
Common effect model 102190 0.0005 [0.0003; 0.0006] 7.6% --
Random effects model 0.0048 [0.0003; 0.0143] -- 3.6%
Heterogeneity: I^2 = 99%, τ^2 = 0.0025, p < 0.01
province = Inner Mongolia
Wang XJ-2018 5 31696 0.0002 [0.0001; 0.0004] 2.4% 0.9%
Ma XX-2021 21 3568 0.0059 [0.0036; 0.0090] 0.3% 0.9%
Common effect model 35264 0.0003 [0.0001; 0.0005] 2.6% --
Random effects model 0.0019 [0.0000; 0.0116] -- 1.8%
Heterogeneity: I^2 = 98%, τ^2 = 0.0020, p < 0.01

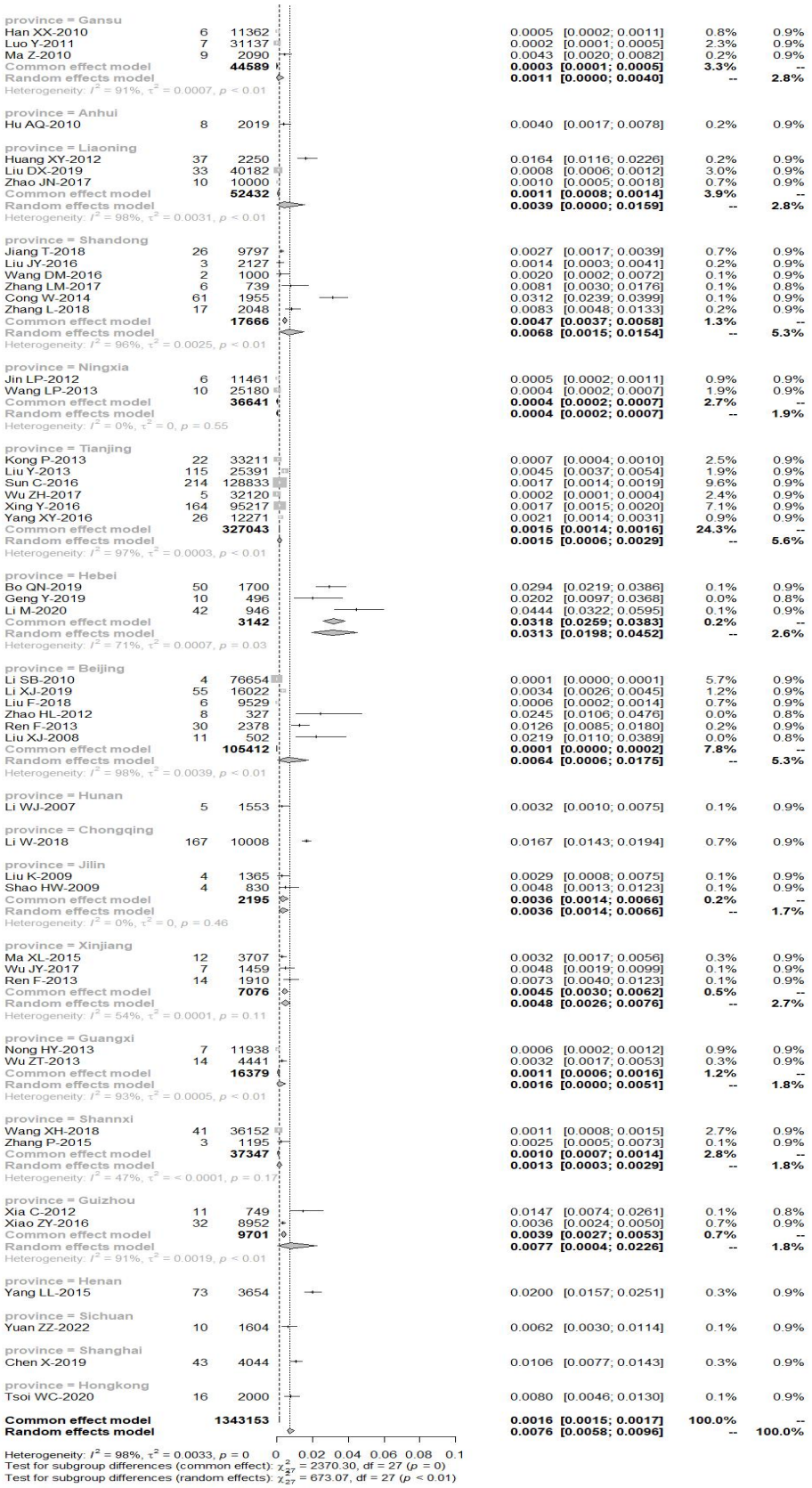


Figure S6. Forest plot of pooled anti-HEV IgM seroprevalence of all populations among different provinces

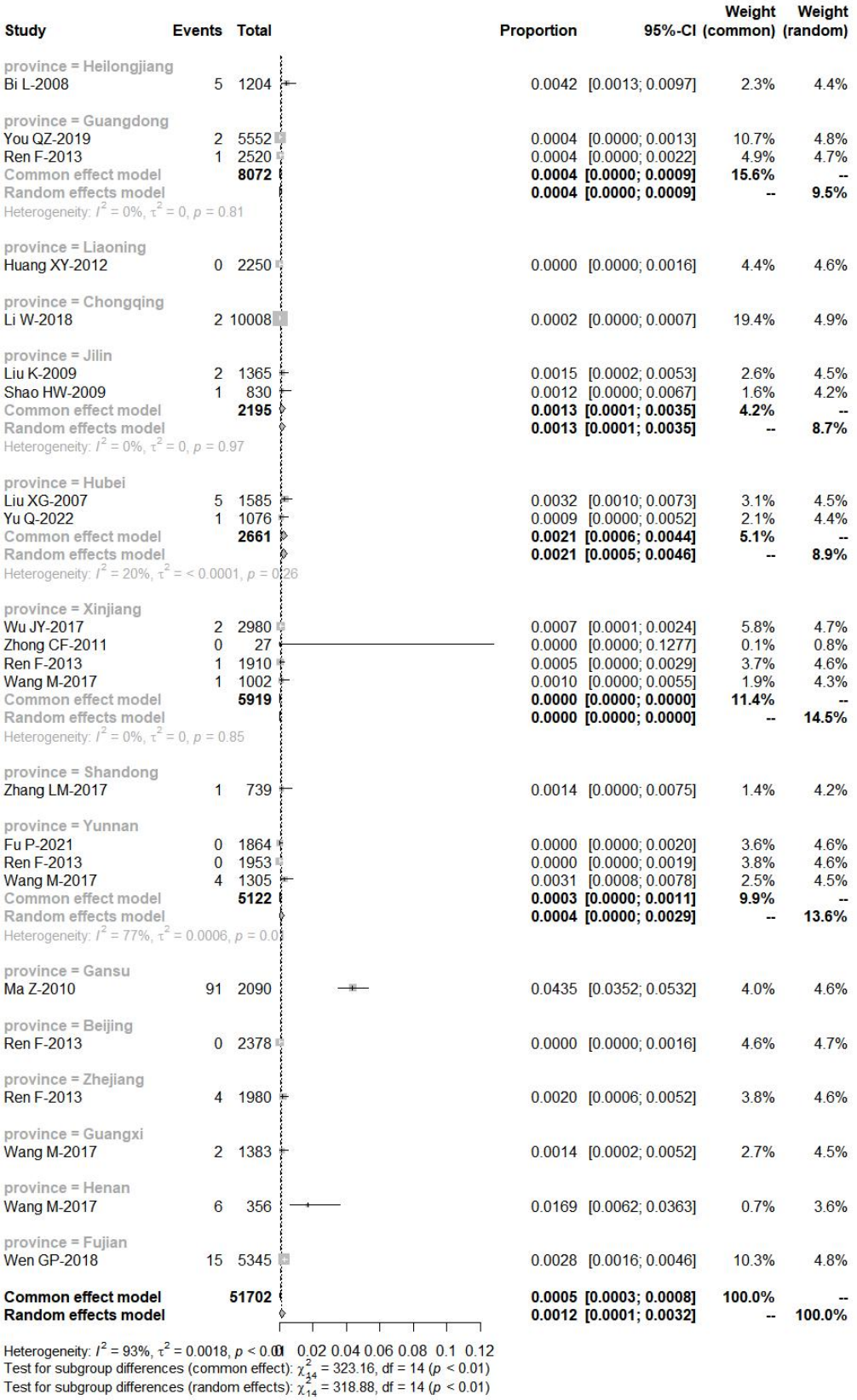


Figure S7. Forest plot of pooled anti-HEV Ag seroprevalence of all populations among different provinces

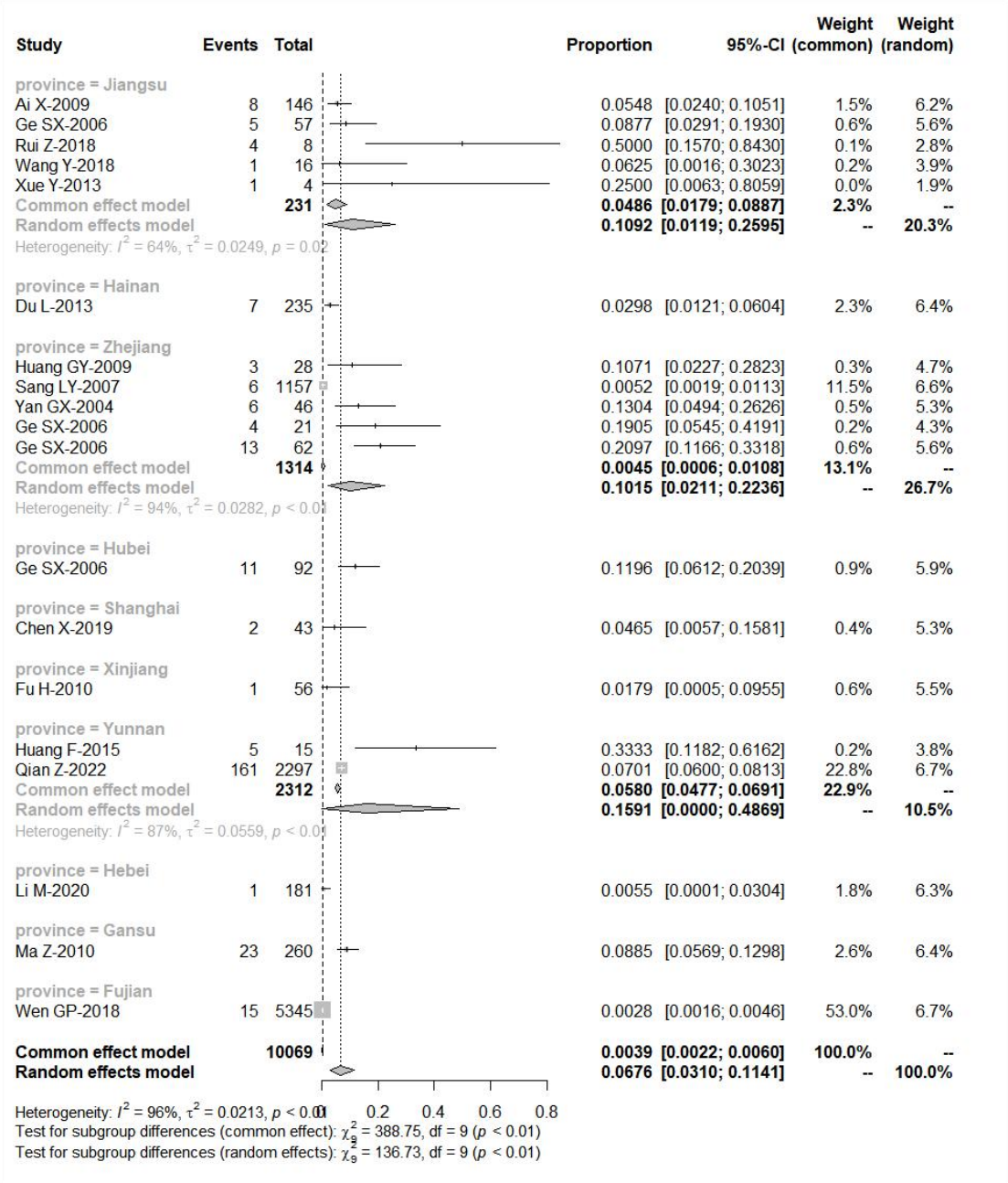
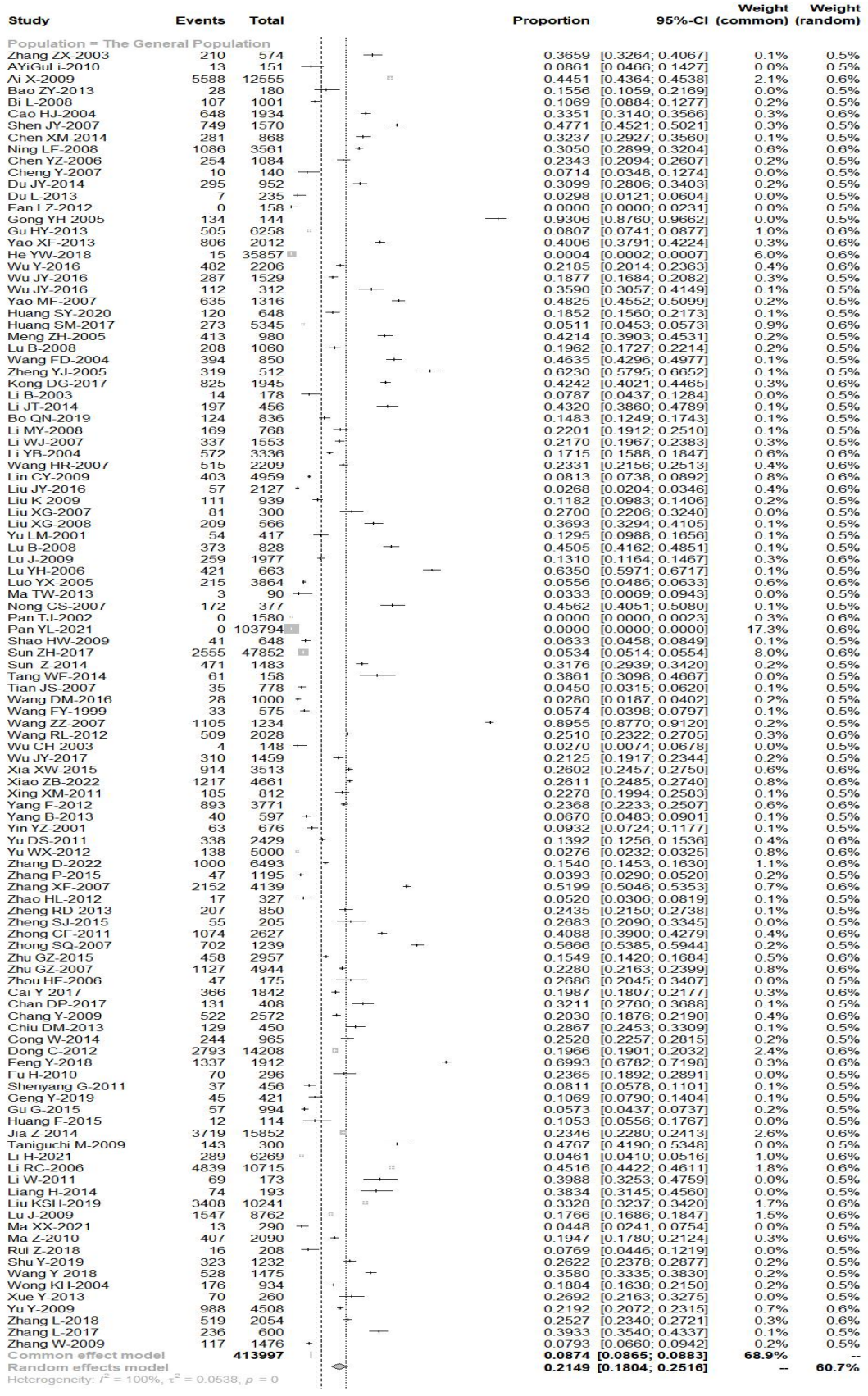


Figure S8. Forest plot of pooled HEV RNA detection rate of all populations in different provinces


Study Events Total Proportion 95%-CI Weight (common) Weight (random)
Population = The General Population
Zhang ZX-2003 210 574 0.3659 [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%
Bao ZY-2013 28 180 0.1556 [0.1059; 0.2169] 0.0% 0.5%
Bi L-2008 107 1001 0.1069 [0.0884; 0.1277] 0.2% 0.5%
Cao HJ-2004 648 1934 0.3351 [0.3140; 0.3566] 0.3% 0.6%
Shen JY-2007 749 1570 0.4771 [0.4521; 0.5021] 0.3% 0.5%
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%
Chen YZ-2006 254 1084 0.2343 [0.2094; 0.2607] 0.2% 0.5%
Cheng Y-2007 10 140 0.0714 [0.0348; 0.1274] 0.0% 0.5%
Du JY-2014 295 952 0.3099 [0.2806; 0.3403] 0.2% 0.5%
Du L-2013 7 235 0.0298 [0.0121; 0.0604] 0.0% 0.5%
Fan LZ-2012 0 158 0.0000 [0.0000; 0.0231] 0.0% 0.5%
Gong YH-2005 134 144 0.9306 [0.8760; 0.9662] 0.0% 0.5%
Gu HY-2013 505 6258 0.0807 [0.0741; 0.0877] 1.0% 0.6%
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 Y-2016 482 2206 0.2185 [0.2014; 0.2363] 0.4% 0.6%
Wu JY-2016 287 1529 0.1877 [0.1684; 0.2082] 0.3% 0.5%
Wu JY-2016 112 312 0.3590 [0.3057; 0.4149] 0.1% 0.5%
Yao MF-2007 635 1316 0.4825 [0.4552; 0.5099] 0.2% 0.5%
Huang SY-2020 120 648 0.1852 [0.1560; 0.2173] 0.1% 0.5%
Huang SM-2017 273 5345 0.0511 [0.0453; 0.0573] 0.9% 0.6%
Meng ZH-2005 413 980 0.4214 [0.3903; 0.4531] 0.2% 0.5%
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%
Zheng YJ-2005 319 512 0.6230 [0.5795; 0.6652] 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%
Li JT-2014 197 456 0.4320 [0.3860; 0.4789] 0.1% 0.5%
Bo QN-2019 124 836 0.1483 [0.1249; 0.1743] 0.1% 0.5%
Li MY-2008 169 768 0.2201 [0.1912; 0.2510] 0.1% 0.5%
Li WJ-2007 337 1553 0.2170 [0.1967; 0.2383] 0.3% 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%
Lin CY-2009 403 4959 0.0813 [0.0738; 0.0892] 0.8% 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-2007 81 300 0.2700 [0.2206; 0.3240] 0.0% 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 B-2008 373 828 0.4505 [0.4162; 0.4851] 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% 0.5%
Luo YX-2005 215 3864 0.0556 [0.0486; 0.0633] 0.6% 0.6%
Ma TW-2013 3 90 0.0333 [0.0069; 0.0943] 0.0% 0.5%
Nong CS-2007 172 377 0.4562 [0.4051; 0.5080] 0.1% 0.5%
Pan TJ-2002 0 1580 0.0000 [0.0000; 0.0023] 0.3% 0.6%
Pan YL-2021 0 103794 0.0000 [0.0000; 0.0000] 17.3% 0.6%
Shao HW-2009 41 648 0.0633 [0.0458; 0.0849] 0.1% 0.5%
Sun ZH-2017 2555 47852 0.0534 [0.0514; 0.0554] 8.0% 0.6%
Sun Z-2014 471 1483 0.3176 [0.2939; 0.3420] 0.2% 0.5%
Tang WF-2014 61 158 0.3861 [0.3098; 0.4667] 0.0% 0.5%
Tian JS-2007 35 778 0.0450 [0.0315; 0.0620] 0.1% 0.5%
Wang DM-2016 28 1000 0.0280 [0.0187; 0.0402] 0.2% 0.5%
Wang FY-1999 33 575 0.0574 [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 509 2028 0.2510 [0.2322; 0.2705] 0.3% 0.6%
Wu CH-2003 4 148 0.0270 [0.0074; 0.0678] 0.0% 0.5%
Wu JY-2017 310 1459 0.2125 [0.1917; 0.2344] 0.2% 0.5%
Xia XW-2015 914 3513 0.2602 [0.2457; 0.2750] 0.6% 0.6%
Xiao ZB-2022 1217 4661 0.2611 [0.2485; 0.2740] 0.8% 0.6%
Xing XM-2011 185 812 0.2278 [0.1994; 0.2583] 0.1% 0.5%
Yang F-2012 893 3771 0.2368 [0.2233; 0.2507] 0.6% 0.6%
Yang B-2013 40 597 0.0670 [0.0483; 0.0901] 0.1% 0.5%
Yin YZ-2001 63 676 0.0932 [0.0724; 0.1177] 0.1% 0.5%
Yu DS-2011 338 2429 0.1392 [0.1256; 0.1536] 0.4% 0.6%
Yu WX-2012 138 5000 0.0276 [0.0232; 0.0325] 0.8% 0.6%
Zhang D-2022 1000 6493 0.1540 [0.1453; 0.1630] 1.1% 0.6%
Zhang P-2015 47 1195 0.0393 [0.0290; 0.0520] 0.2% 0.5%
Zhang XF-2007 2152 4139 0.5199 [0.5046; 0.5353] 0.7% 0.6%
Zhao HL-2012 17 327 0.0520 [0.0306; 0.0819] 0.1% 0.5%
Zheng RD-2013 207 850 0.2435 [0.2150; 0.2738] 0.1% 0.5%
Zheng SJ-2015 55 205 0.2683 [0.2090; 0.3345] 0.0% 0.5%
Zhong CF-2011 1074 2627 0.4088 [0.3900; 0.4279] 0.4% 0.6%
Zhong SQ-2007 702 1239 0.5666 [0.5385; 0.5944] 0.2% 0.5%
Zhu GZ-2015 458 2957 0.1549 [0.1420; 0.1684] 0.5% 0.6%
Zhu GZ-2007 1127 4944 0.2280 [0.2163; 0.2399] 0.8% 0.6%
Zhou HF-2006 47 175 0.2686 [0.2045; 0.3407] 0.0% 0.5%
Cai Y-2017 366 1842 0.1987 [0.1807; 0.2177] 0.3% 0.6%
Chan DP-2017 131 408 0.3211 [0.2760; 0.3688] 0.1% 0.5%
Chang Y-2009 522 2572 0.2030 [0.1876; 0.2190] 0.4% 0.6%
Chiu DM-2013 129 450 0.2867 [0.2453; 0.3309] 0.1% 0.5%
Cong W-2014 244 965 0.2528 [0.2257; 0.2815] 0.2% 0.5%
Dong C-2012 2793 14208 0.1966 [0.1901; 0.2032] 2.4% 0.6%
Feng Y-2018 1337 1912 0.6993 [0.6782; 0.7198] 0.3% 0.6%
Fu H-2010 70 296 0.2365 [0.1892; 0.2891] 0.0% 0.5%
Shenyang G-2011 37 456 0.0811 [0.0578; 0.1101] 0.1% 0.5%
Geng Y-2019 45 421 0.1069 [0.0790; 0.1404] 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% 0.5%
Jia Z-2014 3719 15852 0.2346 [0.2280; 0.2413] 2.6% 0.6%
Taniguchi M-2009 143 300 0.4767 [0.4190; 0.5348] 0.0% 0.5%
Li H-2021 289 6269 0.0461 [0.0410; 0.0516] 1.0% 0.6%
Li RC-2006 4839 10715 0.4516 [0.4422; 0.4611] 1.8% 0.6%
Li W-2011 69 173 0.3988 [0.3253; 0.4759] 0.0% 0.5%
Liang H-2014 74 193 0.3834 [0.3145; 0.4560] 0.0% 0.5%
Liu KSH-2019 3408 10241 0.3328 [0.3237; 0.3420] 1.7% 0.6%
Lu J-2009 1547 8762 0.1766 [0.1686; 0.1847] 1.5% 0.6%
Ma XX-2021 13 290 0.0448 [0.0241; 0.0754] 0.0% 0.5%
Ma Z-2010 407 2090 0.1947 [0.1780; 0.2124] 0.3% 0.6%
Rui Z-2018 16 208 0.0769 [0.0446; 0.1219] 0.0% 0.5%
Shu Y-2019 323 1232 0.2622 [0.2378; 0.2877] 0.2% 0.5%
Wang Y-2018 528 1475 0.3580 [0.3335; 0.3830] 0.2% 0.5%
Wong KH-2004 176 934 0.1884 [0.1638; 0.2150] 0.2% 0.5%
Xue Y-2013 70 260 0.2692 [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 519 2054 0.2527 [0.2340; 0.2721] 0.3% 0.6%
Zhang L-2017 236 600 0.3933 [0.3540; 0.4337] 0.1% 0.5%
Zhang W-2009 117 1476 0.0793 [0.0660; 0.0942] 0.2% 0.5%
Common effect model 413997 0.0874 [0.0865; 0.0883] 68.9% --
Random effects model 0.2149 [0.1804; 0.2516] -- 60.7%
Heterogeneity: I^2 = 100%, τ^2 = 0.0538, p = 0

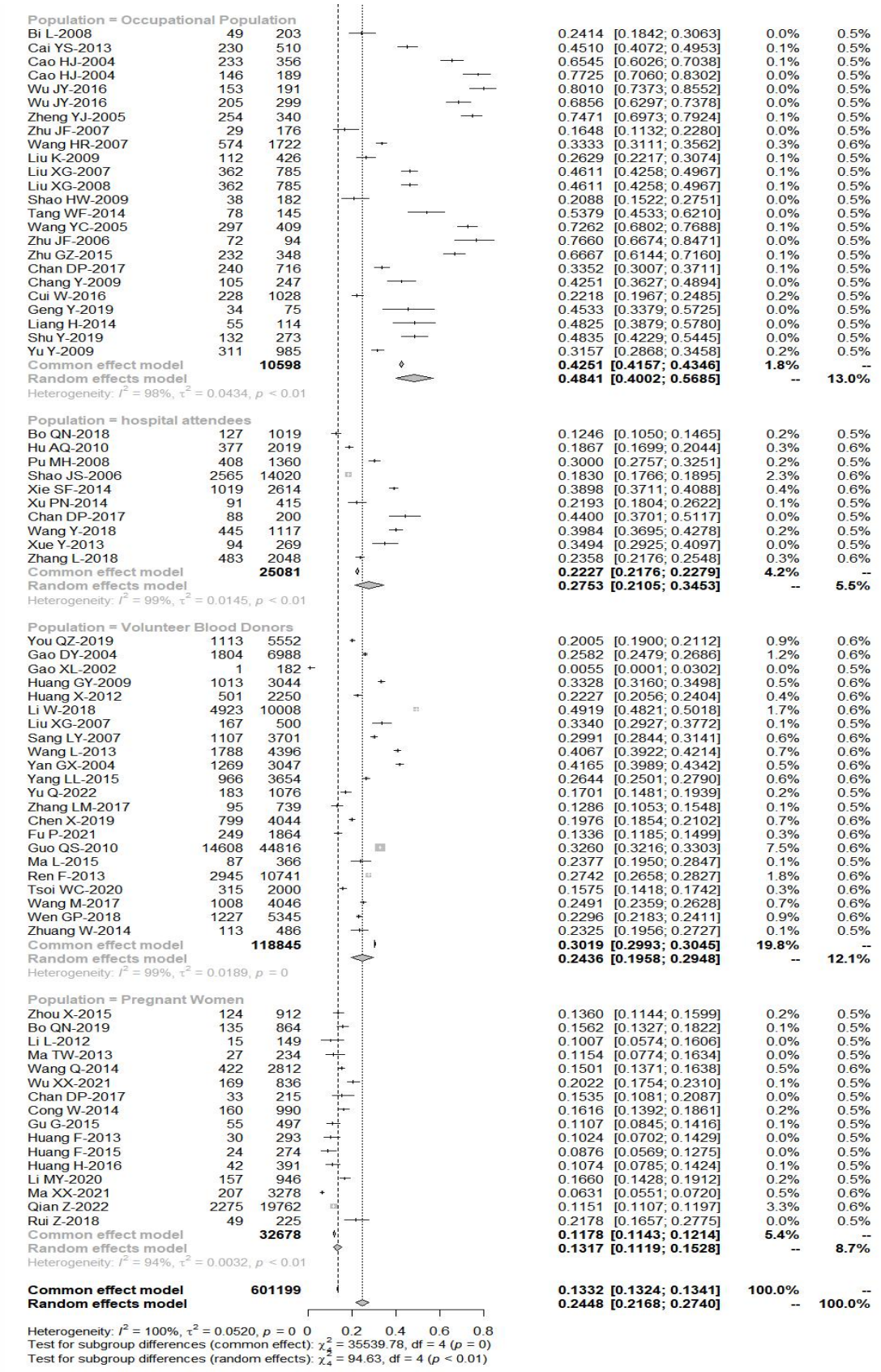
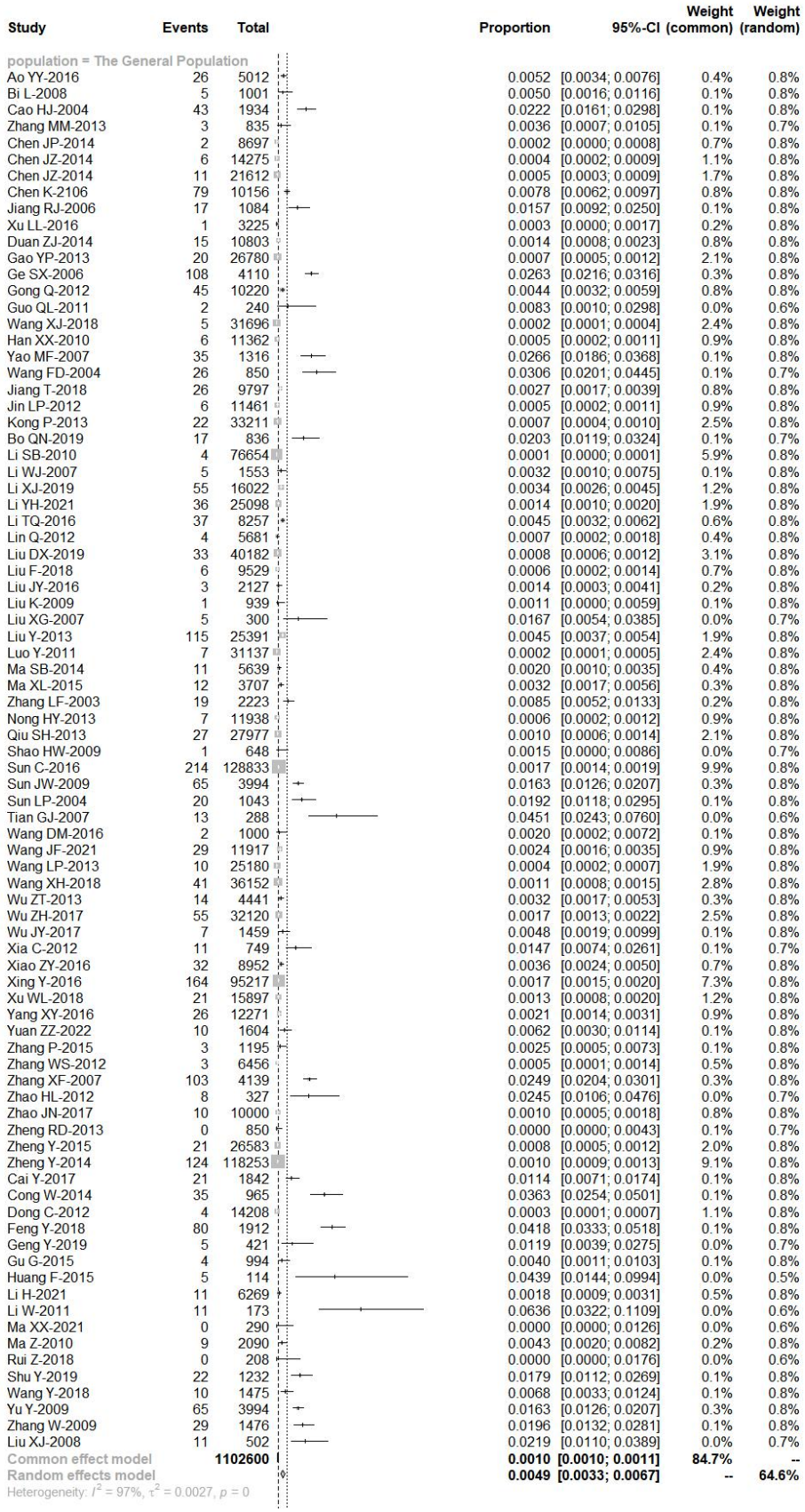


Figure S9. Forest plot of pooled anti-HEV IgG seroprevalence among different population


Study Events Total Proportion 95%-CI Weight (common) Weight (random)
population = The General Population
Ao YY-2016 26 5012 0.0052 [0.0034; 0.0076] 0.4% 0.8%
Bi L-2008 5 1001 0.0050 [0.0016; 0.0116] 0.1% 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 2 8697 0.0002 [0.0000; 0.0008] 0.7% 0.8%
Chen JZ-2014 6 14275 0.0004 [0.0002; 0.0009] 1.1% 0.8%
Chen JZ-2014 11 21612 0.0005 [0.0003; 0.0009] 1.7% 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 1 3225 0.0003 [0.0000; 0.0017] 0.2% 0.8%
Duan ZJ-2014 15 10803 0.0014 [0.0008; 0.0023] 0.8% 0.8%
Gao YP-2013 20 26780 0.0007 [0.0005; 0.0012] 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 2 240 0.0083 [0.0010; 0.0298] 0.0% 0.6%
Wang XJ-2018 5 31696 0.0002 [0.0001; 0.0004] 2.4% 0.8%
Han XX-2010 6 11362 0.0005 [0.0002; 0.0011] 0.9% 0.8%
Yao MF-2007 35 1316 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 T-2018 26 9797 0.0027 [0.0017; 0.0039] 0.8% 0.8%
Jin LP-2012 6 11461 0.0005 [0.0002; 0.0011] 0.9% 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 XJ-2019 55 16022 0.0034 [0.0026; 0.0045] 1.2% 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 DX-2019 33 40182 0.0008 [0.0006; 0.0012] 3.1% 0.8%
Liu F-2018 6 9529 0.0006 [0.0002; 0.0014] 0.7% 0.8%
Liu JY-2016 3 2127 0.0014 [0.0003; 0.0041] 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%
Luo Y-2011 7 31137 0.0002 [0.0001; 0.0005] 2.4% 0.8%
Ma SB-2014 11 5639 0.0020 [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%
Nong HY-2013 7 11938 0.0006 [0.0002; 0.0012] 0.9% 0.8%
Qiu SH-2013 27 27977 0.0010 [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%
Sun LP-2004 20 1043 0.0192 [0.0118; 0.0295] 0.1% 0.8%
Tian GJ-2007 13 288 0.0451 [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 10 25180 0.0004 [0.0002; 0.0007] 1.9% 0.8%
Wang XH-2018 41 36152 0.0011 [0.0008; 0.0015] 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 7 1459 0.0048 [0.0019; 0.0099] 0.1% 0.8%
Xia C-2012 11 749 0.0147 [0.0074; 0.0261] 0.1% 0.7%
Xiao ZY-2016 32 8952 0.0036 [0.0024; 0.0050] 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 26 12271 0.0021 [0.0014; 0.0031] 0.9% 0.8%
Yuan ZZ-2022 10 1604 0.0062 [0.0030; 0.0114] 0.1% 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 HL-2012 8 327 0.0245 [0.0106; 0.0476] 0.0% 0.7%
Zhao JN-2017 10 10000 0.0010 [0.0005; 0.0018] 0.8% 0.8%
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%
Cai Y-2017 21 1842 0.0114 [0.0071; 0.0174] 0.1% 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 5 421 0.0119 [0.0039; 0.0275] 0.0% 0.7%
Gu G-2015 4 994 0.0040 [0.0011; 0.0103] 0.1% 0.8%
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 XX-2021 0 290 0.0000 [0.0000; 0.0126] 0.0% 0.6%
Ma Z-2010 9 2090 0.0043 [0.0020; 0.0082] 0.2% 0.8%
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%
Yu Y-2009 65 3994 0.0163 [0.0126; 0.0207] 0.3% 0.8%
Zhang W-2009 29 1476 0.0196 [0.0132; 0.0281] 0.1% 0.8%
Liu XJ-2008 11 502 0.0219 [0.0110; 0.0389] 0.0% 0.7%
Common effect model 1102600 0.0010 [0.0010; 0.0011] 84.7% --
Random effects model 0.0049 [0.0033; 0.0067] -- 64.6%
Heterogeneity: I^2 = 97%, τ^2 = 0.0027, p = 0

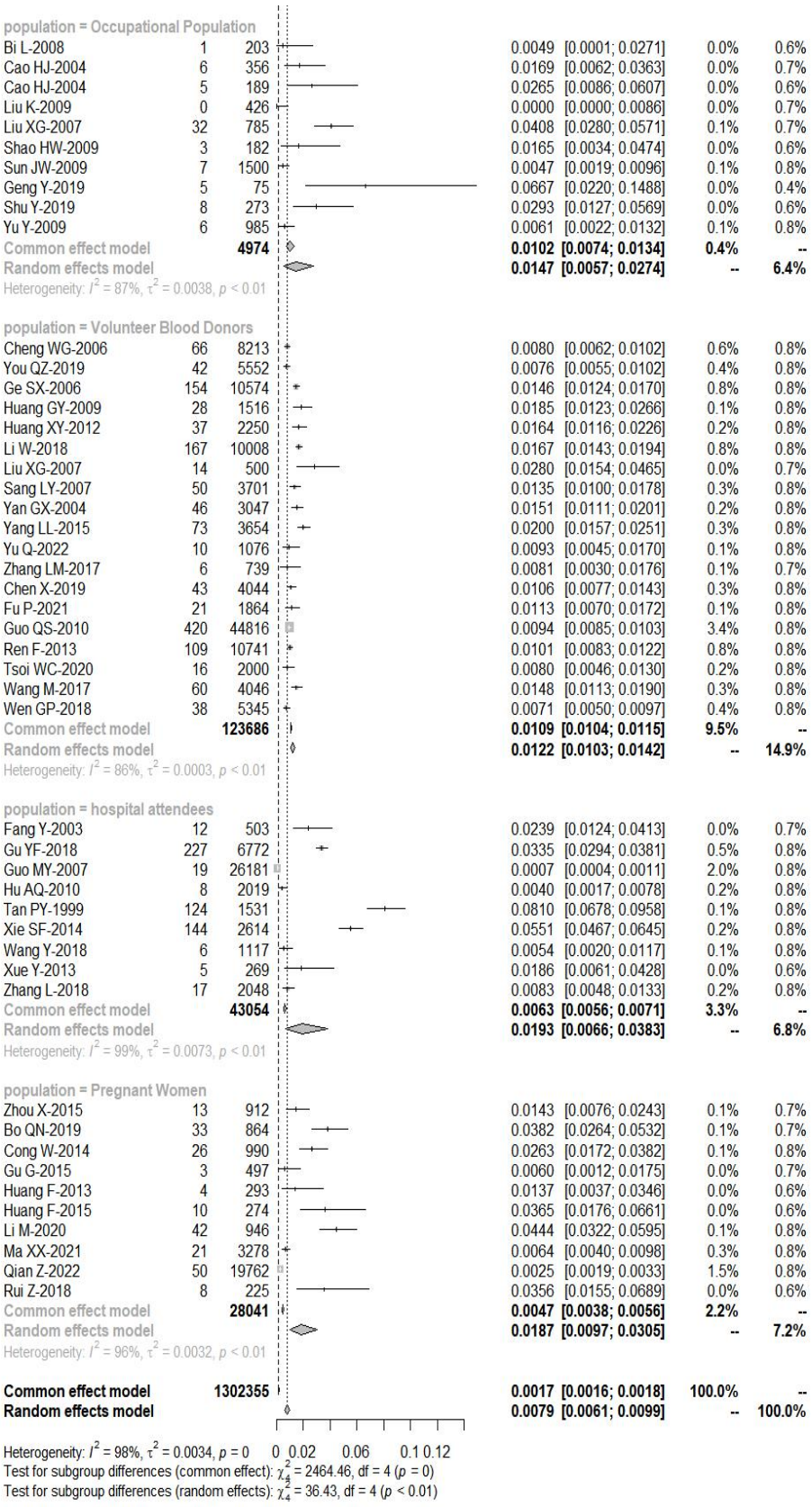
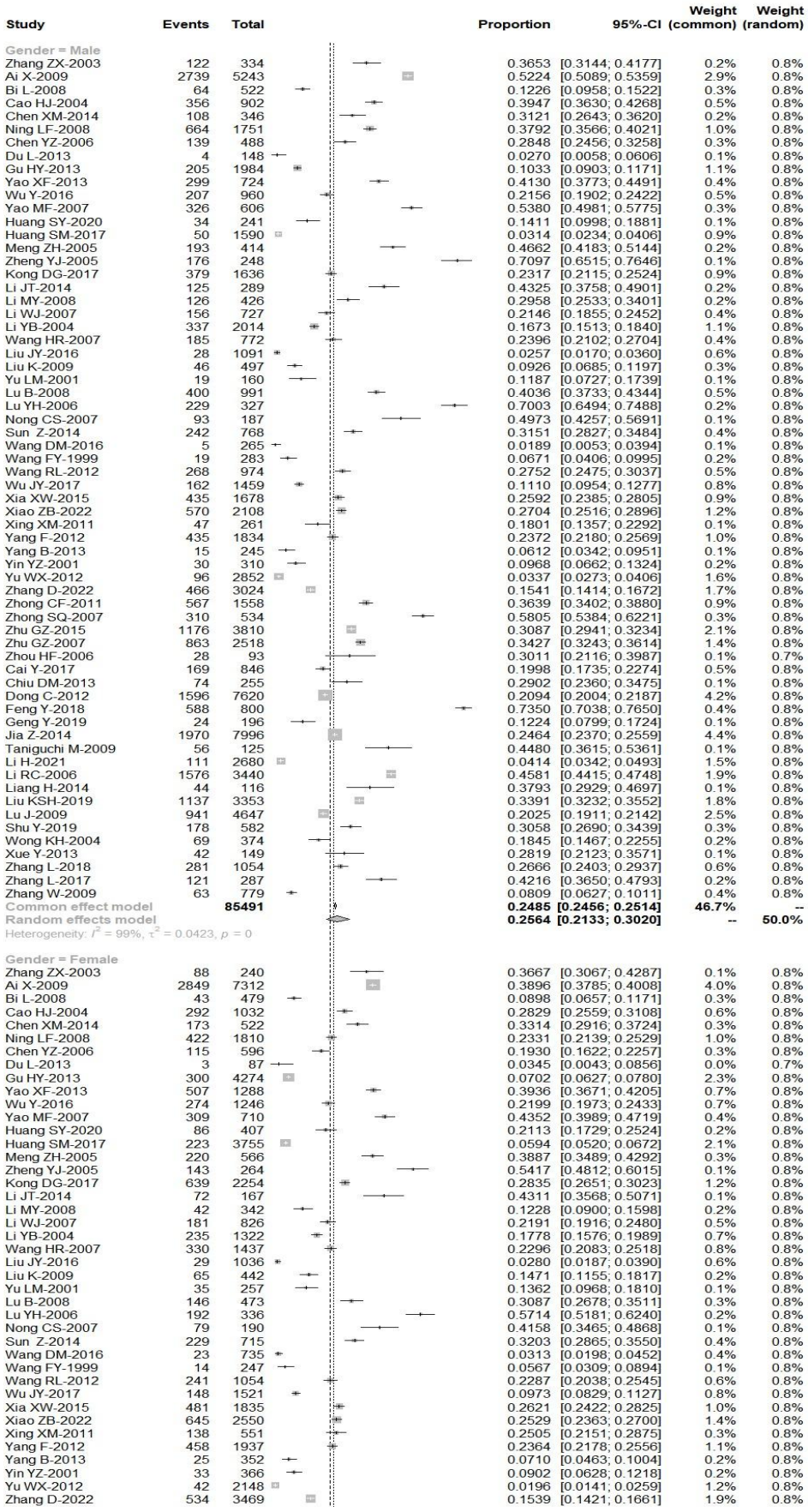


Figure S10. Forest plot of pooled anti-HEV IgM seroprevalence among different population



Study	Events	Total	Proportion	95%-CI	Weight (common)	Weight (random)
Gender = Male						
Zhang ZX-2003	122	334	0.3653	[0.3144; 0.4177]	0.2%	0.8%
Ai X-2009	2739	5243	0.5224	[0.5089; 0.5359]	2.9%	0.8%
Bi L-2008	64	522	0.1226	[0.0958; 0.1522]	0.3%	0.8%
Cao HJ-2004	356	902	0.3947	[0.3630; 0.4268]	0.5%	0.8%
Chen XM-2014	108	346	0.3121	[0.2643; 0.3620]	0.2%	0.8%
Ning LF-2008	664	1751	0.3792	[0.3566; 0.4021]	1.0%	0.8%
Chen YZ-2006	139	488	0.2848	[0.2456; 0.3258]	0.3%	0.8%
Du L-2013	4	148	0.0270	[0.0058; 0.0606]	0.1%	0.8%
Gu HY-2013	205	1984	0.1033	[0.0903; 0.1171]	1.1%	0.8%
Yao XF-2013	299	724	0.4130	[0.3773; 0.4491]	0.4%	0.8%
Wu Y-2016	207	960	0.2156	[0.1902; 0.2422]	0.5%	0.8%
Yao MF-2007	326	606	0.5380	[0.4981; 0.5775]	0.3%	0.8%
Huang SY-2020	34	241	0.1411	[0.0998; 0.1881]	0.1%	0.8%
Huang SM-2017	50	1590	0.0314	[0.0234; 0.0406]	0.9%	0.8%
Meng ZH-2005	193	414	0.4662	[0.4183; 0.5144]	0.2%	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 JT-2014	125	289	0.4325	[0.3758; 0.4901]	0.2%	0.8%
Li MY-2008	126	426	0.2958	[0.2533; 0.3401]	0.2%	0.8%
Li WJ-2007	156	727	0.2146	[0.1855; 0.2452]	0.4%	0.8%
Li YB-2004	337	2014	0.1673	[0.1513; 0.1840]	1.1%	0.8%
Wang HR-2007	185	772	0.2396	[0.2102; 0.2704]	0.4%	0.8%
Liu JY-2016	28	1091	0.0257	[0.0170; 0.0360]	0.6%	0.8%
Liu K-2009	46	497	0.0926	[0.0685; 0.1197]	0.3%	0.8%
Yu LM-2001	19	160	0.1187	[0.0727; 0.1739]	0.1%	0.8%
Lu B-2008	400	991	0.4036	[0.3733; 0.4344]	0.5%	0.8%
Lu YH-2006	229	327	0.7003	[0.6494; 0.7488]	0.2%	0.8%
Nong CS-2007	93	187	0.4973	[0.4257; 0.5691]	0.1%	0.8%
Sun Z-2014	242	768	0.3151	[0.2827; 0.3484]	0.4%	0.8%
Wang DM-2016	5	265	0.0189	[0.0053; 0.0394]	0.1%	0.8%
Wang FY-1999	19	283	0.0671	[0.0406; 0.0995]	0.2%	0.8%
Wang RL-2012	268	974	0.2752	[0.2475; 0.3037]	0.5%	0.8%
Wu JY-2017	162	1459	0.1110	[0.0954; 0.1277]	0.8%	0.8%
Xia XW-2015	435	1678	0.2592	[0.2385; 0.2805]	0.9%	0.8%
Xiao ZB-2022	570	2108	0.2704	[0.2516; 0.2896]	1.2%	0.8%
Xing XM-2011	47	261	0.1801	[0.1357; 0.2292]	0.1%	0.8%
Yang F-2012	435	1834	0.2372	[0.2180; 0.2569]	1.0%	0.8%
Yang B-2013	15	245	0.0612	[0.0342; 0.0951]	0.1%	0.8%
Yin YZ-2001	30	310	0.0968	[0.0662; 0.1324]	0.2%	0.8%
Yu WX-2012	96	2852	0.0337	[0.0273; 0.0406]	1.6%	0.8%
Zhang D-2022	466	3024	0.1541	[0.1414; 0.1672]	1.7%	0.8%
Zhong CF-2011	567	1558	0.3639	[0.3402; 0.3880]	0.9%	0.8%
Zhong SQ-2007	310	534	0.5805	[0.5384; 0.6221]	0.3%	0.8%
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%
Zhou HF-2006	28	93	0.3011	[0.2116; 0.3987]	0.1%	0.7%
Cai Y-2017	169	846	0.1998	[0.1735; 0.2274]	0.5%	0.8%
Chiu DM-2013	74	255	0.2902	[0.2360; 0.3475]	0.1%	0.8%
Dong C-2012	1596	7620	0.2094	[0.2004; 0.2187]	4.2%	0.8%
Feng Y-2018	588	800	0.7350	[0.7038; 0.7650]	0.4%	0.8%
Geng Y-2019	24	196	0.1224	[0.0799; 0.1724]	0.1%	0.8%
Jia Z-2014	1970	7996	0.2464	[0.2370; 0.2559]	4.4%	0.8%
Taniguchi M-2009	56	125	0.4480	[0.3615; 0.5361]	0.1%	0.8%
Li H-2021	111	2680	0.0414	[0.0342; 0.0493]	1.5%	0.8%
Li RC-2006	1576	3440	0.4581	[0.4415; 0.4748]	1.9%	0.8%
Liang H-2014	44	116	0.3793	[0.2929; 0.4697]	0.1%	0.8%
Liu KSH-2019	1137	3353	0.3391	[0.3232; 0.3552]	1.8%	0.8%
Lu J-2009	941	4647	0.2025	[0.1911; 0.2142]	2.5%	0.8%
Shu Y-2019	178	582	0.3058	[0.2690; 0.3439]	0.3%	0.8%
Wong KH-2004	69	374	0.1845	[0.1467; 0.2255]	0.2%	0.8%
Xue Y-2013	42	149	0.2819	[0.2123; 0.3571]	0.1%	0.8%
Zhang L-2018	281	1054	0.2666	[0.2403; 0.2937]	0.6%	0.8%
Zhang L-2017	121	287	0.4216	[0.3650; 0.4793]	0.2%	0.8%
Zhang W-2009	63	779	0.0809	[0.0627; 0.1011]	0.4%	0.8%
Common effect model		**85491**	**0.2485**	**[0.2456; 0.2514]**	**46.7%**	--
Random effects model			**0.2564**	**[0.2133; 0.3020]**	--	**50.0%**
Heterogeneity: I^2 = 99%, τ^2 = 0.0423, p = 0						
Gender = Female						
Zhang ZX-2003	88	240	0.3667	[0.3067; 0.4287]	0.1%	0.8%
Ai X-2009	2849	7312	0.3896	[0.3785; 0.4008]	4.0%	0.8%
Bi L-2008	43	479	0.0898	[0.0657; 0.1171]	0.3%	0.8%
Cao HJ-2004	292	1032	0.2829	[0.2559; 0.3108]	0.6%	0.8%
Chen XM-2014	173	522	0.3314	[0.2916; 0.3724]	0.3%	0.8%
Ning LF-2008	422	1810	0.2331	[0.2139; 0.2529]	1.0%	0.8%
Chen YZ-2006	115	596	0.1930	[0.1622; 0.2257]	0.3%	0.8%
Du L-2013	3	87	0.0345	[0.0043; 0.0856]	0.0%	0.7%
Gu HY-2013	300	4274	0.0702	[0.0627; 0.0780]	2.3%	0.8%
Yao XF-2013	507	1288	0.3936	[0.3671; 0.4205]	0.7%	0.8%
Wu Y-2016	274	1246	0.2199	[0.1973; 0.2433]	0.7%	0.8%
Yao MF-2007	309	710	0.4352	[0.3989; 0.4719]	0.4%	0.8%
Huang SY-2020	86	407	0.2113	[0.1729; 0.2524]	0.2%	0.8%
Huang SM-2017	223	3755	0.0594	[0.0520; 0.0672]	2.1%	0.8%
Meng ZH-2005	220	566	0.3887	[0.3489; 0.4292]	0.3%	0.8%
Zheng YJ-2005	143	264	0.5417	[0.4812; 0.6015]	0.1%	0.8%
Kong DG-2017	639	2254	0.2835	[0.2651; 0.3023]	1.2%	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 WJ-2007	181	826	0.2191	[0.1916; 0.2480]	0.5%	0.8%
Li YB-2004	235	1322	0.1778	[0.1576; 0.1989]	0.7%	0.8%
Wang HR-2007	330	1437	0.2296	[0.2083; 0.2518]	0.8%	0.8%
Liu JY-2016	29	1036	0.0280	[0.0187; 0.0390]	0.6%	0.8%
Liu K-2009	65	442	0.1471	[0.1155; 0.1817]	0.2%	0.8%
Yu LM-2001	35	257	0.1362	[0.0968; 0.1810]	0.1%	0.8%
Lu B-2008	146	473	0.3087	[0.2678; 0.3511]	0.3%	0.8%
Lu YH-2006	192	336	0.5714	[0.5181; 0.6240]	0.2%	0.8%
Nong CS-2007	79	190	0.4158	[0.3465; 0.4868]	0.1%	0.8%
Sun Z-2014	229	715	0.3203	[0.2865; 0.3550]	0.4%	0.8%
Wang DM-2016	23	735	0.0313	[0.0198; 0.0452]	0.4%	0.8%
Wang FY-1999	14	247	0.0567	[0.0309; 0.0894]	0.1%	0.8%
Wang RL-2012	241	1054	0.2287	[0.2038; 0.2545]	0.6%	0.8%
Wu JY-2017	148	1521	0.0973	[0.0829; 0.1127]	0.8%	0.8%
Xia XW-2015	481	1835	0.2621	[0.2422; 0.2825]	1.0%	0.8%
Xiao ZB-2022	645	2550	0.2529	[0.2363; 0.2700]	1.4%	0.8%
Xing XM-2011	138	551	0.2505	[0.2151; 0.2875]	0.3%	0.8%
Yang F-2012	458	1937	0.2364	[0.2178; 0.2556]	1.1%	0.8%
Yang B-2013	25	352	0.0710	[0.0463; 0.1004]	0.2%	0.8%
Yin YZ-2001	33	366	0.0902	[0.0628; 0.1218]	0.2%	0.8%
Yu WX-2012	42	2148	0.0196	[0.0141; 0.0259]	1.2%	0.8%
Zhang D-2022	534	3469	0.1539	[0.1421; 0.1661]	1.9%	0.8%

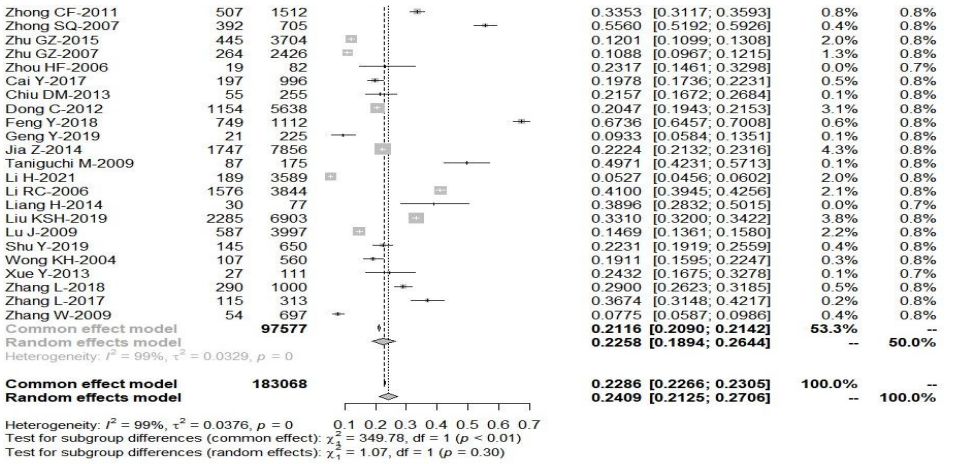
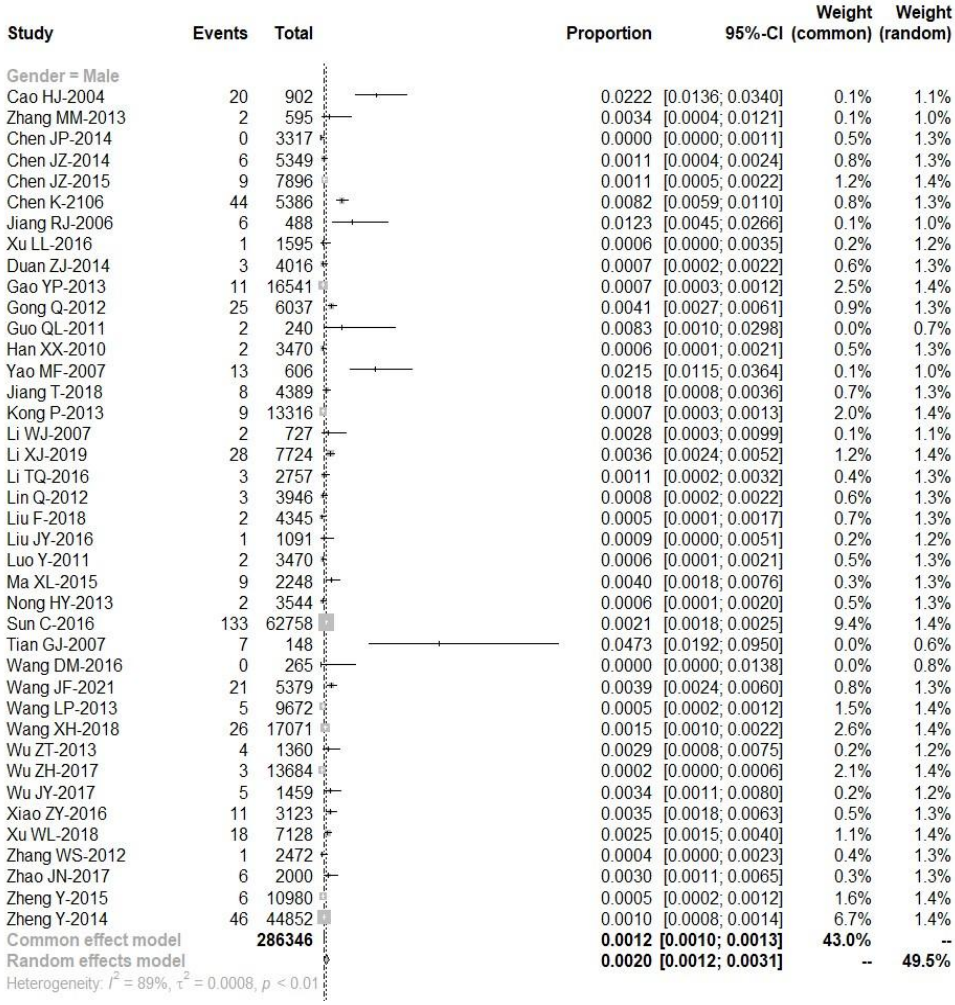


Figure S11. Forest plot of anti-HEV IgG prevalence by gender in the general population



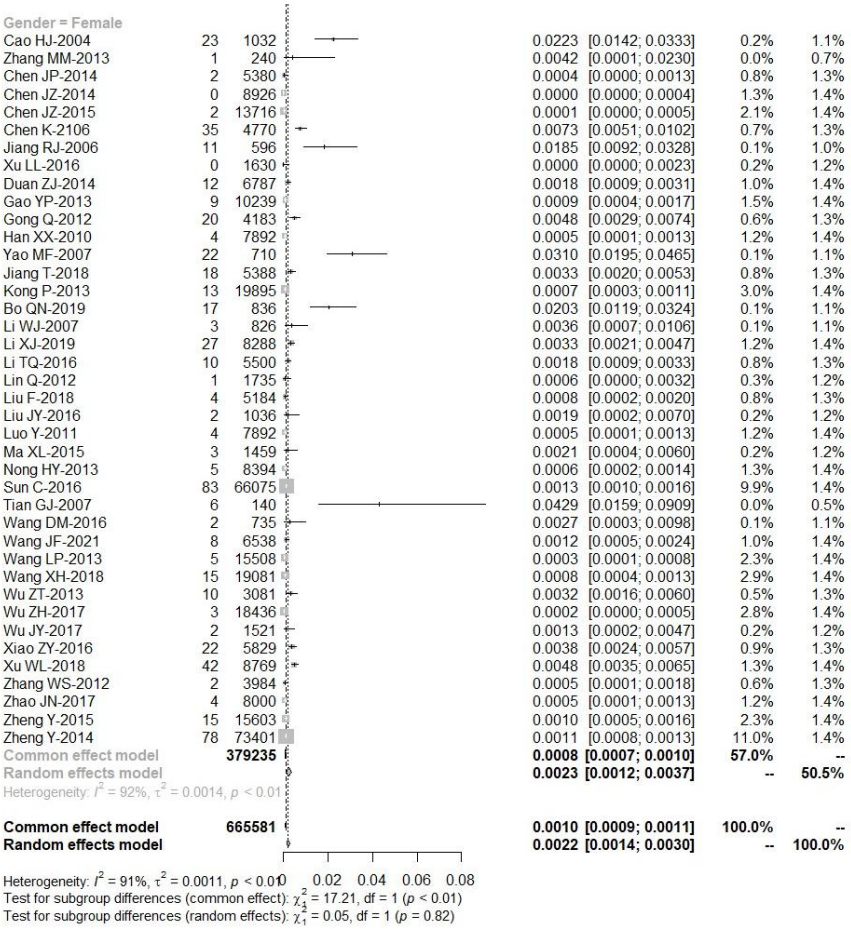


Figure S12. Forest plot of anti-HEV IgM prevalence by gender in the general population

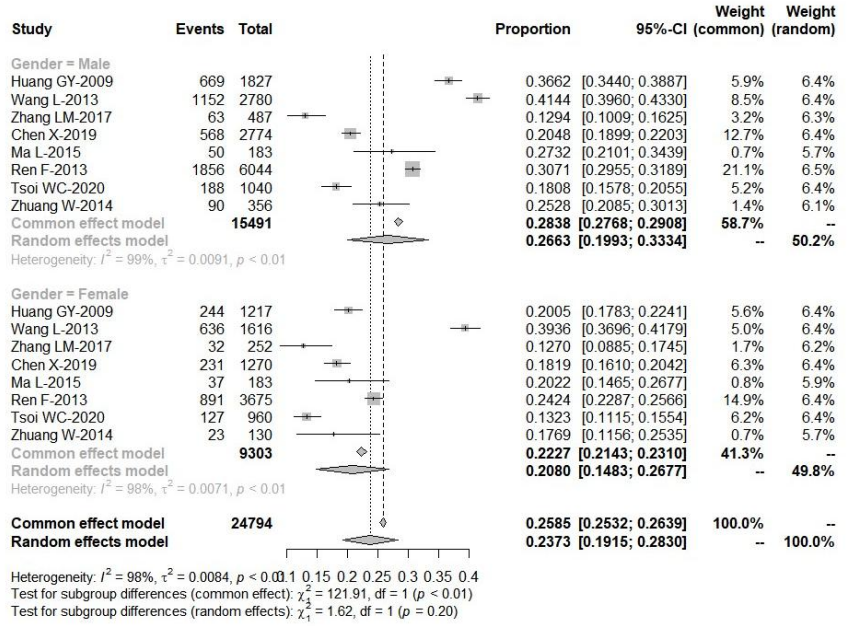


Figure S13. Forest plot of anti-HEV IgG prevalence by gender in volunteer blood donors

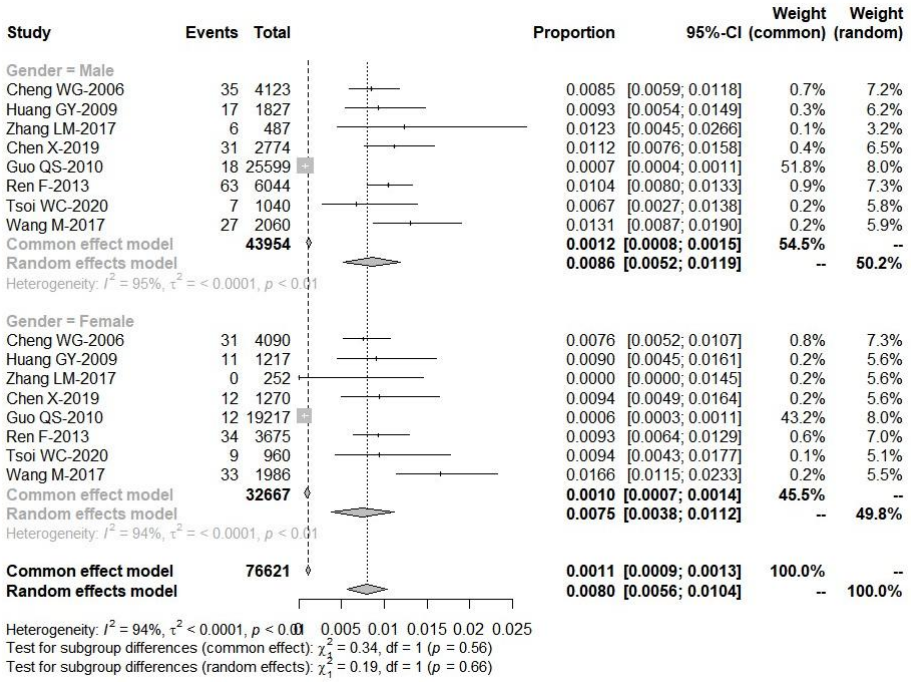
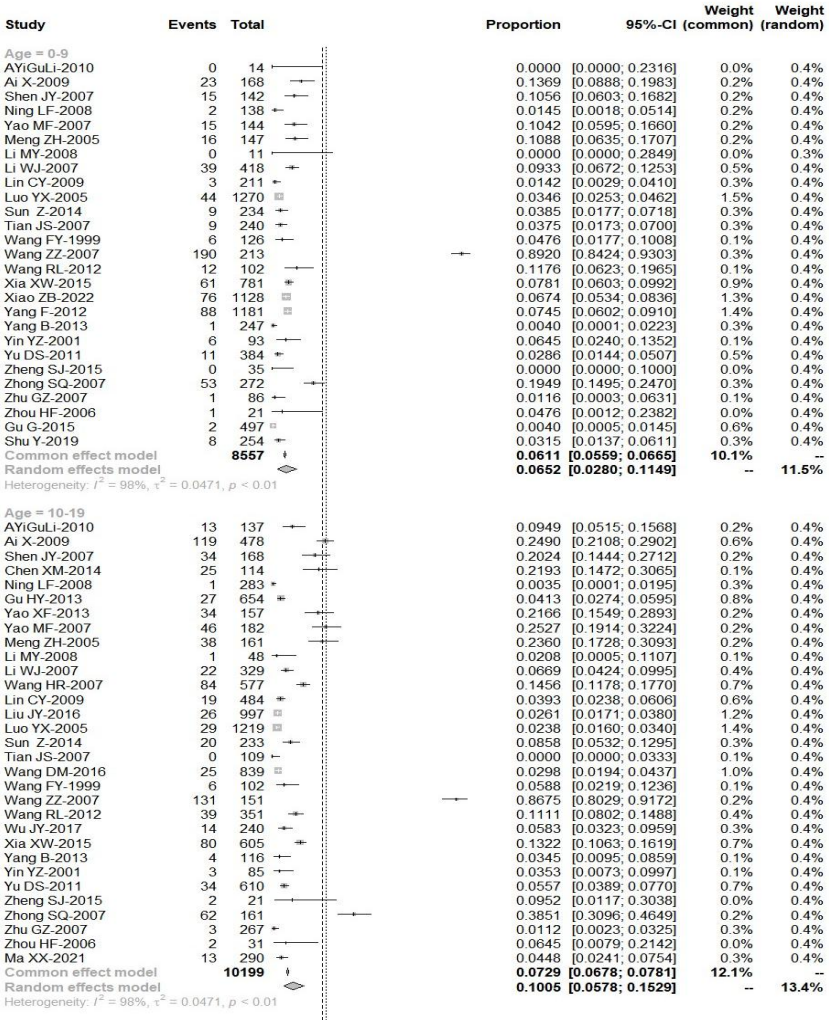
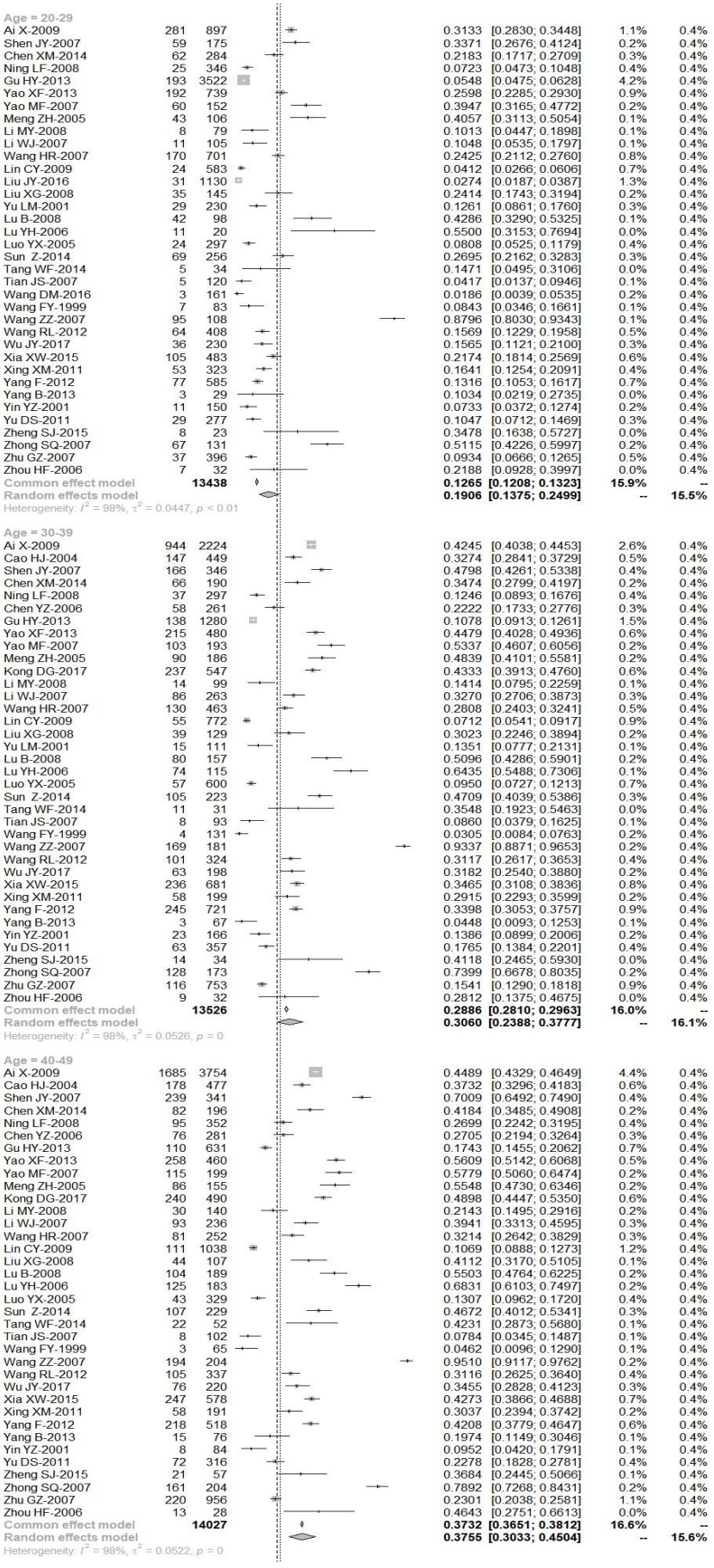


Figure S14. Forest plot of anti-HEV IgM prevalence by gender in volunteer blood donors




Age = 20-29
Ai X-2009 281 897 0.3133 [0.2830; 0.3448] 1.1% 0.4%
Shen JY-2007 59 175 0.3371 [0.2676; 0.4124] 0.2% 0.4%
Chen XM-2014 62 284 0.2183 [0.1717; 0.2709] 0.3% 0.4%
Ning LF-2008 25 346 0.0723 [0.0473; 0.1048] 0.4% 0.4%
Gu HY-2013 193 3522 0.0548 [0.0475; 0.0628] 4.2% 0.4%
Yao XF-2013 192 739 0.2598 [0.2285; 0.2930] 0.9% 0.4%
Yao MF-2007 60 152 0.3947 [0.3165; 0.4772] 0.2% 0.4%
Meng ZH-2005 43 106 0.4057 [0.3113; 0.5054] 0.1% 0.4%
Li MY-2008 8 79 0.1013 [0.0447; 0.1898] 0.1% 0.4%
Li WJ-2007 11 105 0.1048 [0.0535; 0.1797] 0.1% 0.4%
Wang HR-2007 170 701 0.2425 [0.2112; 0.2760] 0.8% 0.4%
Lin CY-2009 24 583 0.0412 [0.0266; 0.0606] 0.7% 0.4%
Liu JY-2016 31 1130 0.0274 [0.0187; 0.0387] 1.3% 0.4%
Liu XG-2008 35 145 0.2414 [0.1743; 0.3194] 0.2% 0.4%
Yu LM-2001 29 230 0.1261 [0.0861; 0.1760] 0.3% 0.4%
Lu B-2008 42 98 0.4286 [0.3290; 0.5325] 0.1% 0.4%
Lu YH-2006 11 20 0.5500 [0.3153; 0.7694] 0.0% 0.4%
Luo YX-2005 24 297 0.0808 [0.0525; 0.1179] 0.4% 0.4%
Sun Z-2014 69 256 0.2695 [0.2162; 0.3283] 0.3% 0.4%
Tang WF-2014 5 34 0.1471 [0.0495; 0.3106] 0.0% 0.4%
Tian JS-2007 5 120 0.0417 [0.0137; 0.0946] 0.1% 0.4%
Wang DM-2016 3 161 0.0186 [0.0039; 0.0535] 0.2% 0.4%
Wang FY-1999 7 83 0.0843 [0.0346; 0.1661] 0.1% 0.4%
Wang ZZ-2007 95 108 0.8796 [0.8030; 0.9343] 0.1% 0.4%
Wang RL-2012 64 408 0.1569 [0.1229; 0.1958] 0.5% 0.4%
Wu JY-2017 36 230 0.1565 [0.1121; 0.2100] 0.3% 0.4%
Xia XW-2015 105 483 0.2174 [0.1814; 0.2569] 0.6% 0.4%
Xing XM-2011 53 323 0.1641 [0.1254; 0.2091] 0.4% 0.4%
Yang F-2012 77 585 0.1316 [0.1053; 0.1617] 0.7% 0.4%
Yang B-2013 3 29 0.1034 [0.0219; 0.2735] 0.0% 0.4%
Yin YZ-2001 11 150 0.0733 [0.0372; 0.1274] 0.2% 0.4%
Yu DS-2011 29 277 0.1047 [0.0712; 0.1469] 0.3% 0.4%
Zheng SJ-2015 8 23 0.3478 [0.1638; 0.5727] 0.0% 0.4%
Zhong SQ-2007 67 131 0.5115 [0.4226; 0.5997] 0.2% 0.4%
Zhu GZ-2007 37 396 0.0934 [0.0666; 0.1265] 0.5% 0.4%
Zhou HF-2006 7 32 0.2188 [0.0928; 0.3997] 0.0% 0.4%
Common effect model 13438 0.1265 [0.1208; 0.1323] 15.9% --
Random effects model 0.1906 [0.1375; 0.2499] -- 15.5%
Heterogeneity: I^2 = 98%, τ^2 = 0.0447, p < 0.01
Age = 30-39
Ai X-2009 944 2224 0.4245 [0.4038; 0.4453] 2.6% 0.4%
Cao HJ-2004 147 449 0.3274 [0.2841; 0.3729] 0.5% 0.4%
Shen JY-2007 166 346 0.4798 [0.4261; 0.5338] 0.4% 0.4%
Chen XM-2014 66 190 0.3474 [0.2799; 0.4197] 0.2% 0.4%
Ning LF-2008 37 297 0.1246 [0.0893; 0.1676] 0.4% 0.4%
Chen YZ-2006 58 261 0.2222 [0.1733; 0.2776] 0.3% 0.4%
Gu HY-2013 138 1280 0.1078 [0.0913; 0.1261] 1.5% 0.4%
Yao XF-2013 215 480 0.4479 [0.4028; 0.4936] 0.6% 0.4%
Yao MF-2007 103 193 0.5337 [0.4607; 0.6056] 0.2% 0.4%
Meng ZH-2005 90 186 0.4839 [0.4101; 0.5581] 0.2% 0.4%
Kong DG-2017 237 547 0.4333 [0.3913; 0.4760] 0.6% 0.4%
Li MY-2008 14 99 0.1414 [0.0795; 0.2259] 0.1% 0.4%
Li WJ-2007 86 263 0.3270 [0.2706; 0.3873] 0.3% 0.4%
Wang HR-2007 130 463 0.2808 [0.2403; 0.3241] 0.5% 0.4%
Lin CY-2009 55 772 0.0712 [0.0541; 0.0917] 0.9% 0.4%
Liu XG-2008 39 129 0.3023 [0.2246; 0.3894] 0.2% 0.4%
Yu LM-2001 15 111 0.1351 [0.0777; 0.2131] 0.1% 0.4%
Lu B-2008 80 157 0.5096 [0.4286; 0.5901] 0.2% 0.4%
Lu YH-2006 74 115 0.6435 [0.5488; 0.7306] 0.1% 0.4%
Luo YX-2005 57 600 0.0950 [0.0727; 0.1213] 0.7% 0.4%
Sun Z-2014 105 223 0.4709 [0.4039; 0.5386] 0.3% 0.4%
Tang WF-2014 11 31 0.3548 [0.1923; 0.5463] 0.0% 0.4%
Tian JS-2007 8 93 0.0860 [0.0379; 0.1625] 0.1% 0.4%
Wang FY-1999 4 131 0.0305 [0.0084; 0.0763] 0.2% 0.4%
Wang ZZ-2007 169 181 0.9337 [0.8871; 0.9653] 0.2% 0.4%
Wang RL-2012 101 324 0.3117 [0.2617; 0.3653] 0.4% 0.4%
Wu JY-2017 63 198 0.3182 [0.2540; 0.3880] 0.2% 0.4%
Xia XW-2015 236 681 0.3465 [0.3108; 0.3836] 0.8% 0.4%
Xing XM-2011 58 199 0.2915 [0.2293; 0.3599] 0.2% 0.4%
Yang F-2012 245 721 0.3398 [0.3053; 0.3757] 0.9% 0.4%
Yang B-2013 3 67 0.0448 [0.0093; 0.1253] 0.1% 0.4%
Yin YZ-2001 23 166 0.1386 [0.0899; 0.2006] 0.2% 0.4%
Yu DS-2011 63 357 0.1765 [0.1384; 0.2201] 0.4% 0.4%
Zheng SJ-2015 14 34 0.4118 [0.2465; 0.5930] 0.0% 0.4%
Zhong SQ-2007 128 173 0.7399 [0.6678; 0.8035] 0.2% 0.4%
Zhu GZ-2007 116 753 0.1541 [0.1290; 0.1818] 0.9% 0.4%
Zhou HF-2006 9 32 0.2812 [0.1375; 0.4675] 0.0% 0.4%
Common effect model 13526 0.2886 [0.2810; 0.2963] 16.0% --
Random effects model 0.3060 [0.2388; 0.3777] -- 16.1%
Heterogeneity: I^2 = 98%, τ^2 = 0.0526, p = 0
Age = 40-49
Ai X-2009 1685 3754 0.4489 [0.4329; 0.4649] 4.4% 0.4%
Cao HJ-2004 178 477 0.3732 [0.3296; 0.4183] 0.6% 0.4%
Shen JY-2007 239 341 0.7009 [0.6492; 0.7490] 0.4% 0.4%
Chen XM-2014 82 196 0.4184 [0.3485; 0.4908] 0.2% 0.4%
Ning LF-2008 95 352 0.2699 [0.2242; 0.3195] 0.4% 0.4%
Chen YZ-2006 76 281 0.2705 [0.2194; 0.3264] 0.3% 0.4%
Gu HY-2013 110 631 0.1743 [0.1455; 0.2062] 0.7% 0.4%
Yao XF-2013 258 460 0.5609 [0.5142; 0.6068] 0.5% 0.4%
Yao MF-2007 115 199 0.5779 [0.5060; 0.6474] 0.2% 0.4%
Meng ZH-2005 86 155 0.5548 [0.4730; 0.6346] 0.2% 0.4%
Kong DG-2017 240 490 0.4898 [0.4447; 0.5350] 0.6% 0.4%
Li MY-2008 30 140 0.2143 [0.1495; 0.2916] 0.2% 0.4%
Li WJ-2007 93 236 0.3941 [0.3313; 0.4595] 0.3% 0.4%
Wang HR-2007 81 252 0.3214 [0.2642; 0.3829] 0.3% 0.4%
Lin CY-2009 111 1038 0.1069 [0.0888; 0.1273] 1.2% 0.4%
Liu XG-2008 44 107 0.4112 [0.3170; 0.5105] 0.1% 0.4%
Lu B-2008 104 189 0.5503 [0.4764; 0.6225] 0.2% 0.4%
Lu YH-2006 125 183 0.6831 [0.6103; 0.7497] 0.2% 0.4%
Luo YX-2005 43 329 0.1307 [0.0962; 0.1720] 0.4% 0.4%
Sun Z-2014 107 229 0.4672 [0.4012; 0.5341] 0.3% 0.4%
Tang WF-2014 22 52 0.4231 [0.2873; 0.5680] 0.1% 0.4%
Tian JS-2007 8 102 0.0784 [0.0345; 0.1487] 0.1% 0.4%
Wang FY-1999 3 65 0.0462 [0.0096; 0.1290] 0.1% 0.4%
Wang ZZ-2007 194 204 0.9510 [0.9117; 0.9762] 0.2% 0.4%
Wang RL-2012 105 337 0.3116 [0.2625; 0.3640] 0.4% 0.4%
Wu JY-2017 76 220 0.3455 [0.2828; 0.4123] 0.3% 0.4%
Xia XW-2015 247 578 0.4273 [0.3866; 0.4688] 0.7% 0.4%
Xing XM-2011 58 191 0.3037 [0.2394; 0.3742] 0.2% 0.4%
Yang F-2012 218 518 0.4208 [0.3779; 0.4647] 0.6% 0.4%
Yang B-2013 15 76 0.1974 [0.1149; 0.3046] 0.1% 0.4%
Yin YZ-2001 8 84 0.0952 [0.0420; 0.1791] 0.1% 0.4%
Yu DS-2011 72 316 0.2278 [0.1828; 0.2781] 0.4% 0.4%
Zheng SJ-2015 21 57 0.3684 [0.2445; 0.5066] 0.1% 0.4%
Zhong SQ-2007 161 204 0.7892 [0.7268; 0.8431] 0.2% 0.4%
Zhu GZ-2007 220 956 0.2301 [0.2038; 0.2581] 1.1% 0.4%
Zhou HF-2006 13 28 0.4643 [0.2751; 0.6613] 0.0% 0.4%
Common effect model 14027 0.3732 [0.3651; 0.3812] 16.6% --
Random effects model 0.3755 [0.3033; 0.4504] -- 15.6%
Heterogeneity: I^2 = 98%, τ^2 = 0.0522, p = 0

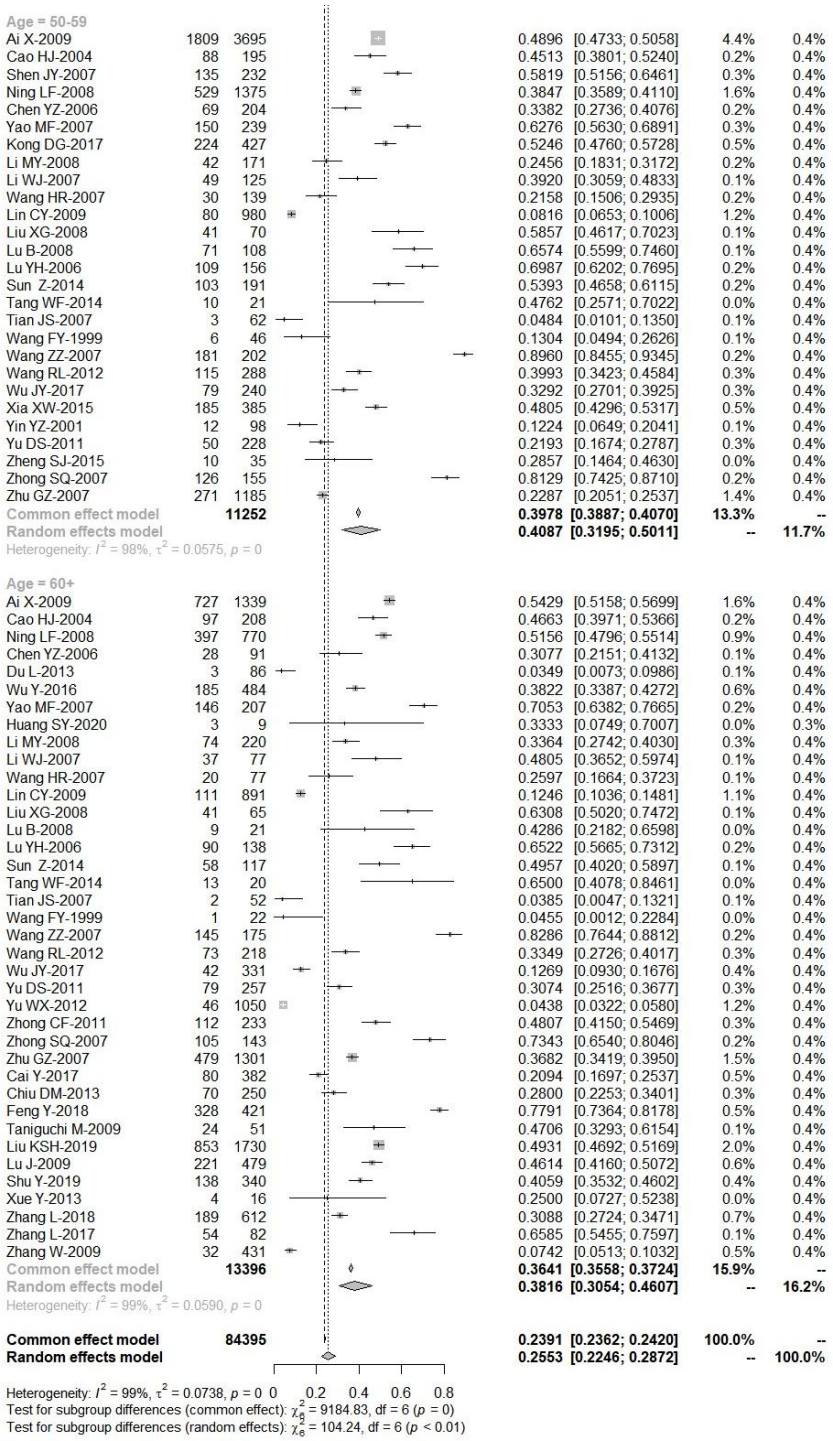


Figure S15. Forest plot of anti-HEV IgG prevalence by age in the general population

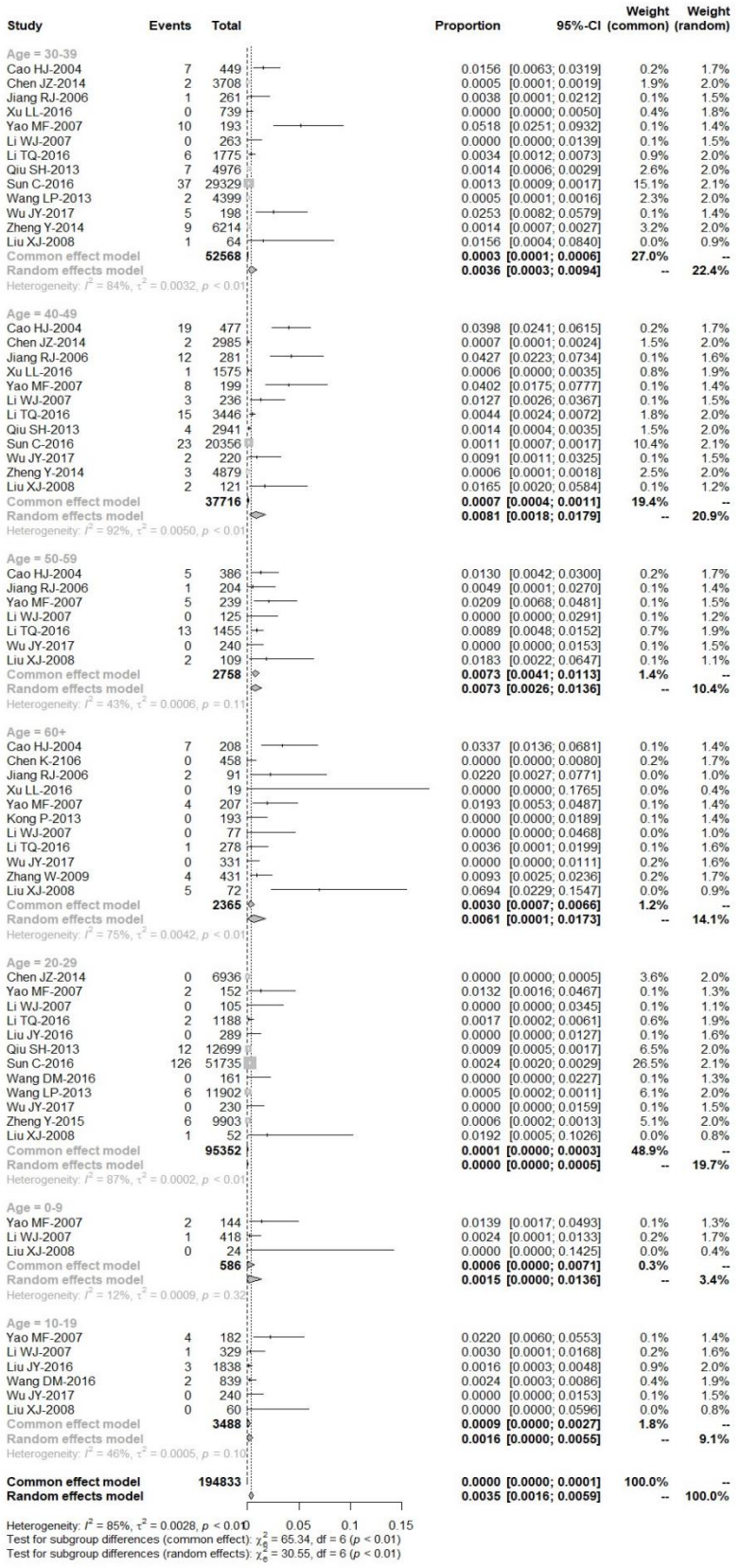


Figure S16. Forest plot of anti-HEV IgM prevalence by age in the general population

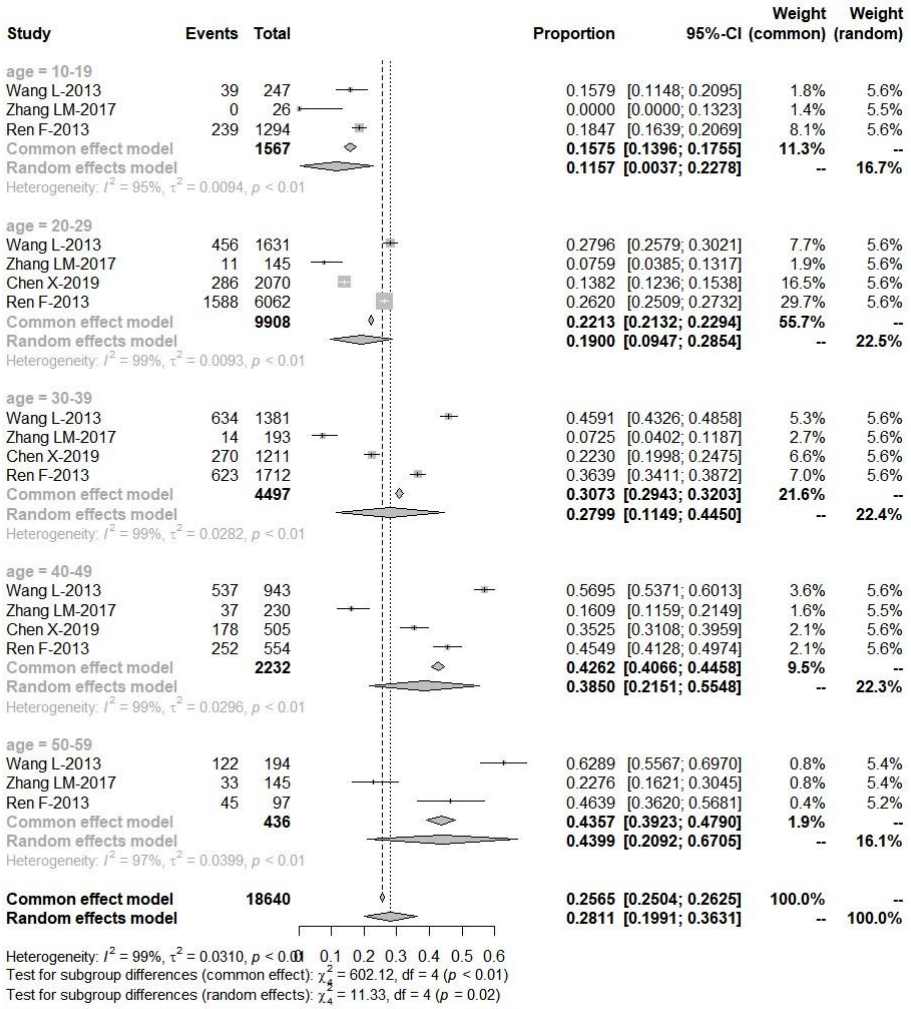


Figure S17. Forest plot of anti-HEV IgG prevalence by age in volunteer blood donors

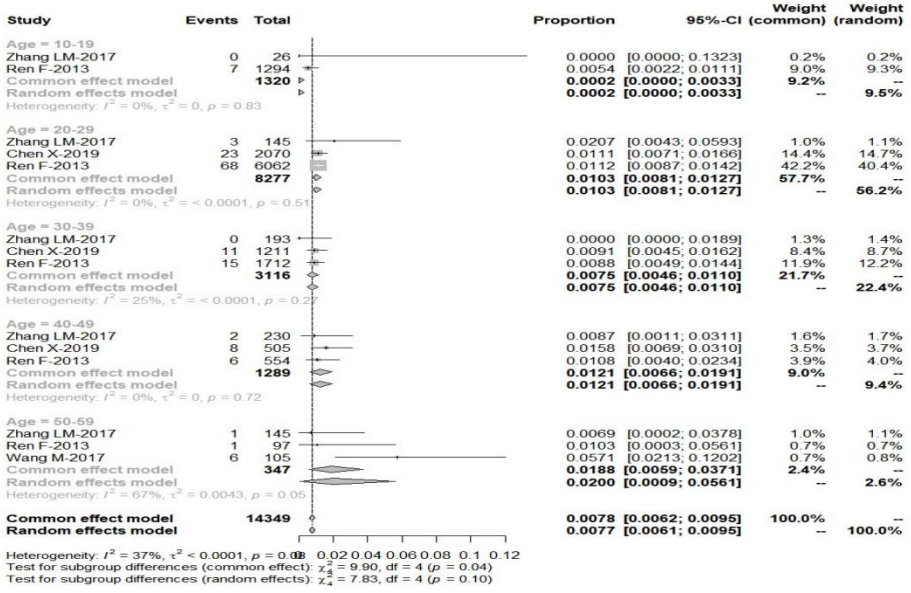
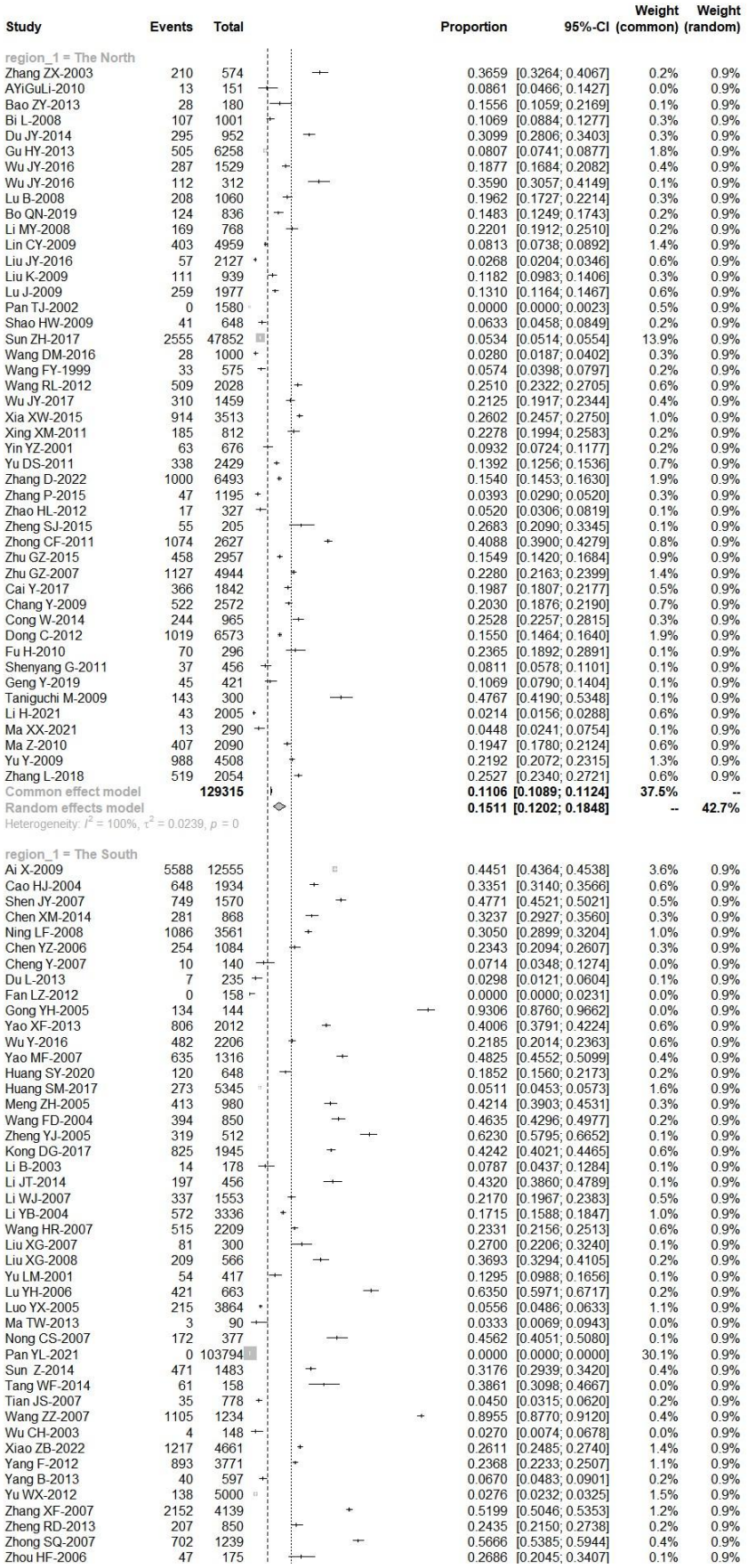


Figure S18. Forest plot of anti-HEV IgM prevalence by age in volunteer blood donors



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%
Bi L-2008	107	1001	0.1069	[0.0884; 0.1277]	0.3%	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	287	1529	0.1877	[0.1684; 0.2082]	0.4%	0.9%
Wu JY-2016	112	312	0.3590	[0.3057; 0.4149]	0.1%	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%
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]	1.4%	0.9%
Liu JY-2016	57	2127	0.0268	[0.0204; 0.0346]	0.6%	0.9%
Liu K-2009	111	939	0.1182	[0.0983; 0.1406]	0.3%	0.9%
Lu J-2009	259	1977	0.1310	[0.1164; 0.1467]	0.6%	0.9%
Pan TJ-2002	0	1580	0.0000	[0.0000; 0.0023]	0.5%	0.9%
Shao HW-2009	41	648	0.0633	[0.0458; 0.0849]	0.2%	0.9%
Sun ZH-2017	2555	47852	0.0534	[0.0514; 0.0554]	13.9%	0.9%
Wang DM-2016	28	1000	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%
Wang RL-2012	509	2028	0.2510	[0.2322; 0.2705]	0.6%	0.9%
Wu JY-2017	310	1459	0.2125	[0.1917; 0.2344]	0.4%	0.9%
Xia XW-2015	914	3513	0.2602	[0.2457; 0.2750]	1.0%	0.9%
Xing XM-2011	185	812	0.2278	[0.1994; 0.2583]	0.2%	0.9%
Yin YZ-2001	63	676	0.0932	[0.0724; 0.1177]	0.2%	0.9%
Yu DS-2011	338	2429	0.1392	[0.1256; 0.1536]	0.7%	0.9%
Zhang D-2022	1000	6493	0.1540	[0.1453; 0.1630]	1.9%	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 SJ-2015	55	205	0.2683	[0.2090; 0.3345]	0.1%	0.9%
Zhong CF-2011	1074	2627	0.4088	[0.3900; 0.4279]	0.8%	0.9%
Zhu GZ-2015	458	2957	0.1549	[0.1420; 0.1684]	0.9%	0.9%
Zhu GZ-2007	1127	4944	0.2280	[0.2163; 0.2399]	1.4%	0.9%
Cai Y-2017	366	1842	0.1987	[0.1807; 0.2177]	0.5%	0.9%
Chang Y-2009	522	2572	0.2030	[0.1876; 0.2190]	0.7%	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	70	296	0.2365	[0.1892; 0.2891]	0.1%	0.9%
Shenyang G-2011	37	456	0.0811	[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%
Li H-2021	43	2005	0.0214	[0.0156; 0.0288]	0.6%	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%
Yu Y-2009	988	4508	0.2192	[0.2072; 0.2315]	1.3%	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%**	--
Random effects model			**0.1511**	**[0.1202; 0.1848]**	--	**42.7%**
Heterogeneity: I^2 = 100%, τ^2 = 0.0239, p = 0						
region_1 = The South						
Ai X-2009	5588	12555	0.4451	[0.4364; 0.4538]	3.6%	0.9%
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%
Chen XM-2014	281	868	0.3237	[0.2927; 0.3560]	0.3%	0.9%
Ning LF-2008	1086	3561	0.3050	[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%
Du L-2013	7	235	0.0298	[0.0121; 0.0604]	0.1%	0.9%
Fan LZ-2012	0	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%
Yao XF-2013	806	2012	0.4006	[0.3791; 0.4224]	0.6%	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 SY-2020	120	648	0.1852	[0.1560; 0.2173]	0.2%	0.9%
Huang SM-2017	273	5345	0.0511	[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	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%
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 JT-2014	197	456	0.4320	[0.3860; 0.4789]	0.1%	0.9%
Li WJ-2007	337	1553	0.2170	[0.1967; 0.2383]	0.5%	0.9%
Li YB-2004	572	3336	0.1715	[0.1588; 0.1847]	1.0%	0.9%
Wang HR-2007	515	2209	0.2331	[0.2156; 0.2513]	0.6%	0.9%
Liu XG-2007	81	300	0.2700	[0.2206; 0.3240]	0.1%	0.9%
Liu XG-2008	209	566	0.3693	[0.3294; 0.4105]	0.2%	0.9%
Yu LM-2001	54	417	0.1295	[0.0988; 0.1656]	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]	1.1%	0.9%
Ma TW-2013	3	90	0.0333	[0.0069; 0.0943]	0.0%	0.9%
Nong CS-2007	172	377	0.4562	[0.4051; 0.5080]	0.1%	0.9%
Pan YL-2021	0	103794	0.0000	[0.0000; 0.0000]	30.1%	0.9%
Sun Z-2014	471	1483	0.3176	[0.2939; 0.3420]	0.4%	0.9%
Tang WF-2014	61	158	0.3861	[0.3098; 0.4667]	0.0%	0.9%
Tian JS-2007	35	778	0.0450	[0.0315; 0.0620]	0.2%	0.9%
Wang ZZ-2007	1105	1234	0.8955	[0.8770; 0.9120]	0.4%	0.9%
Wu CH-2003	4	148	0.0270	[0.0074; 0.0678]	0.0%	0.9%
Xiao ZB-2022	1217	4661	0.2611	[0.2485; 0.2740]	1.4%	0.9%
Yang F-2012	893	3771	0.2368	[0.2233; 0.2507]	1.1%	0.9%
Yang B-2013	40	597	0.0670	[0.0483; 0.0901]	0.2%	0.9%
Yu WX-2012	138	5000	0.0276	[0.0232; 0.0325]	1.5%	0.9%
Zhang XF-2007	2152	4139	0.5199	[0.5046; 0.5353]	1.2%	0.9%
Zheng RD-2013	207	850	0.2435	[0.2150; 0.2738]	0.2%	0.9%
Zhong SQ-2007	702	1239	0.5666	[0.5385; 0.5944]	0.4%	0.9%
Zhou HF-2006	47	175	0.2686	[0.2045; 0.3407]	0.1%	0.9%

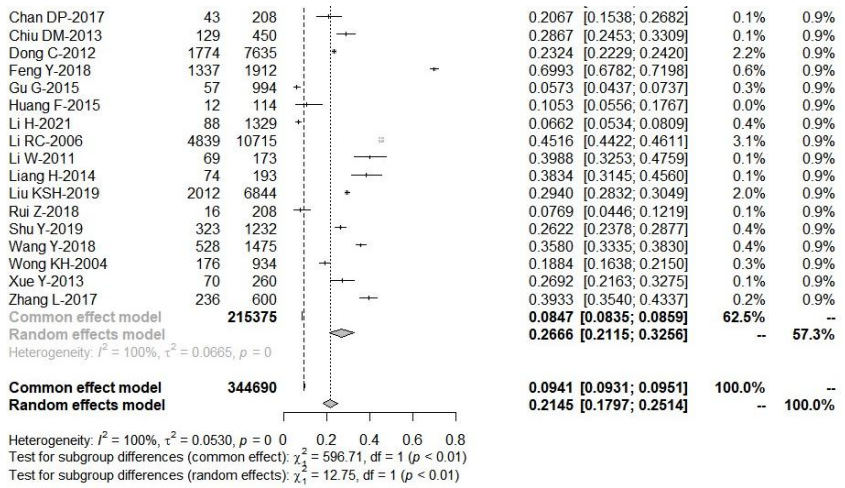
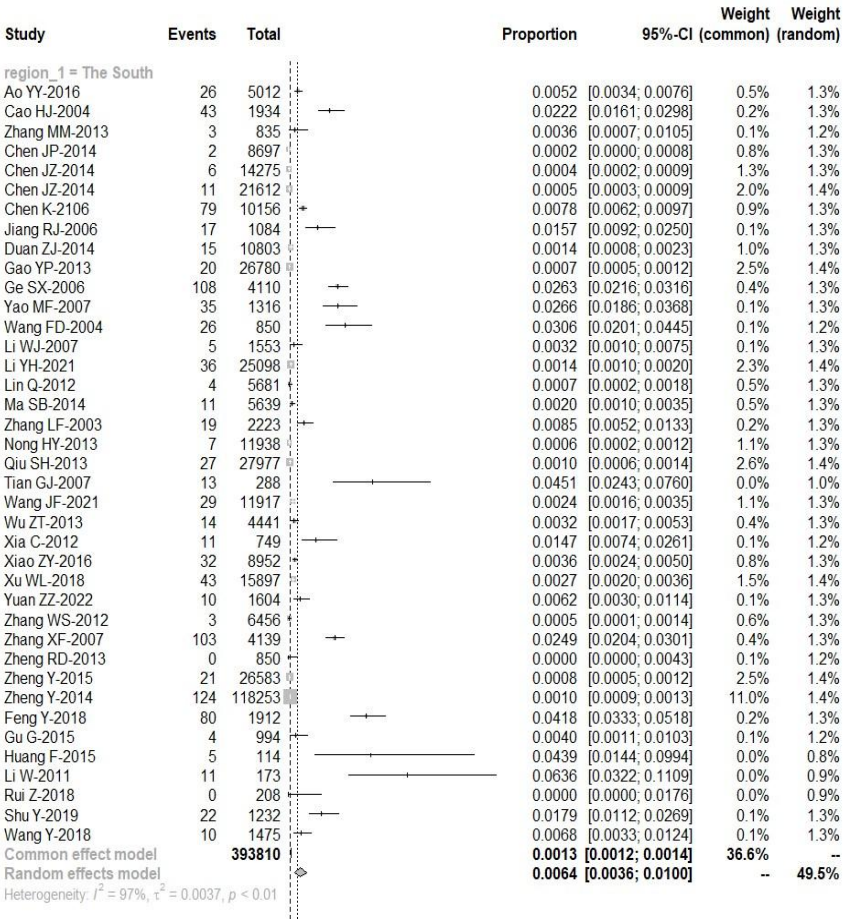


Figure S19. Forest plot of anti-HEV IgG prevalence in the general population in the North and South regions



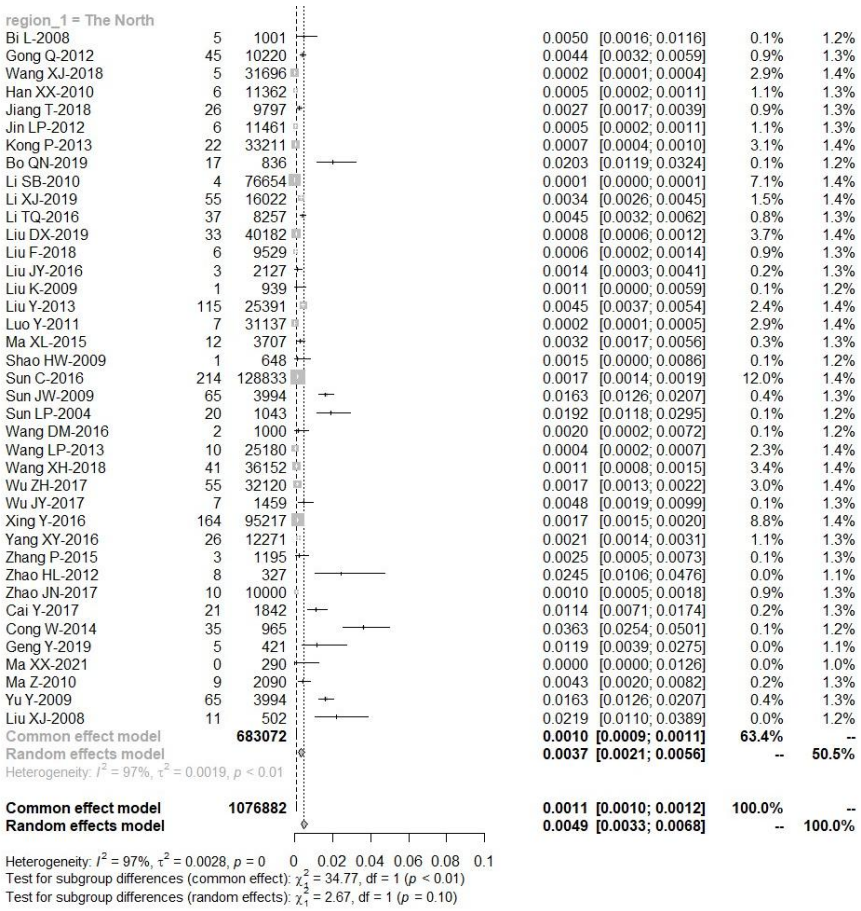


Figure S20. Forest plot of anti-HEV IgM prevalence in the general population in the North and South regions

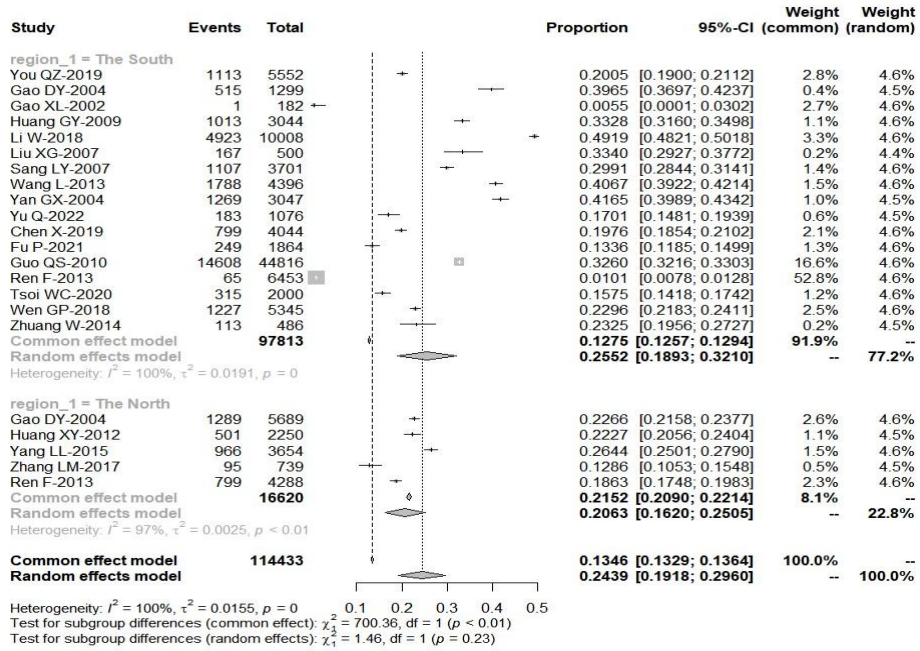


Figure S21. Forest plot of anti-HEV IgG prevalence in volunteer blood donors in the North and South regions

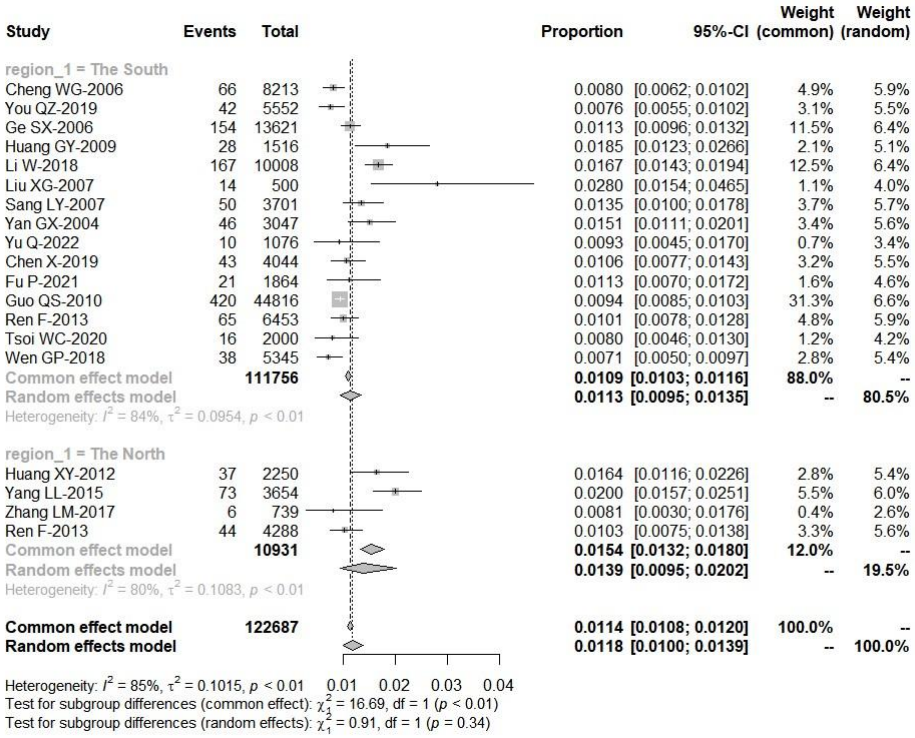
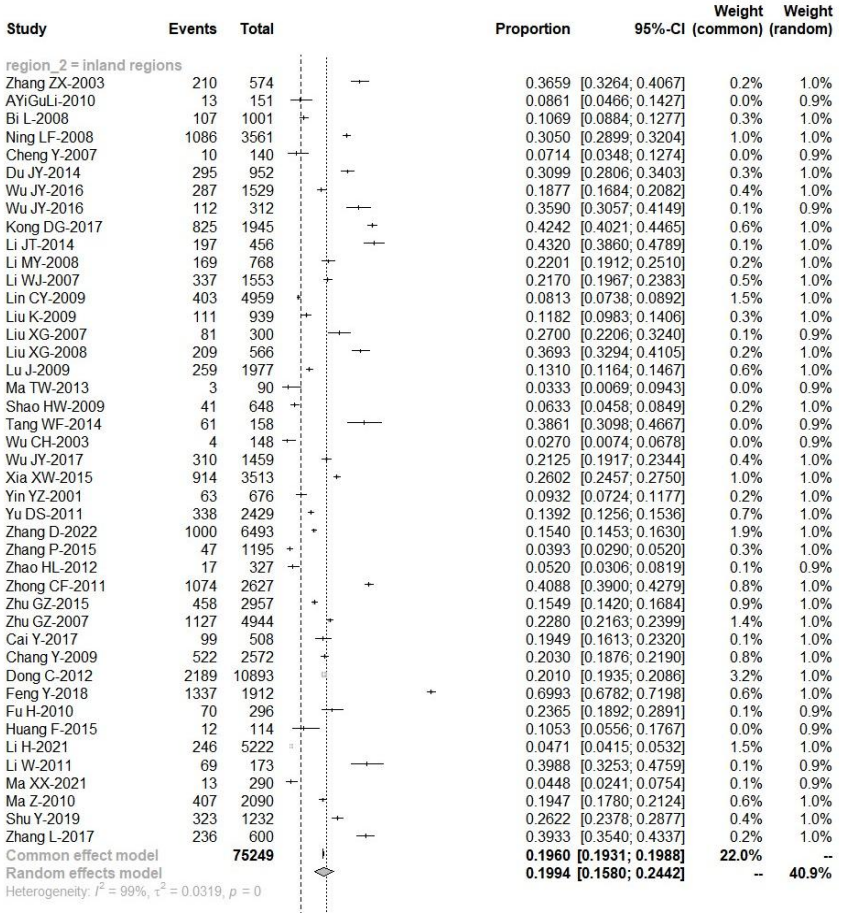


Figure S22. Forest plot of anti-HEV IgM prevalence in volunteer blood donors in the North and South regions



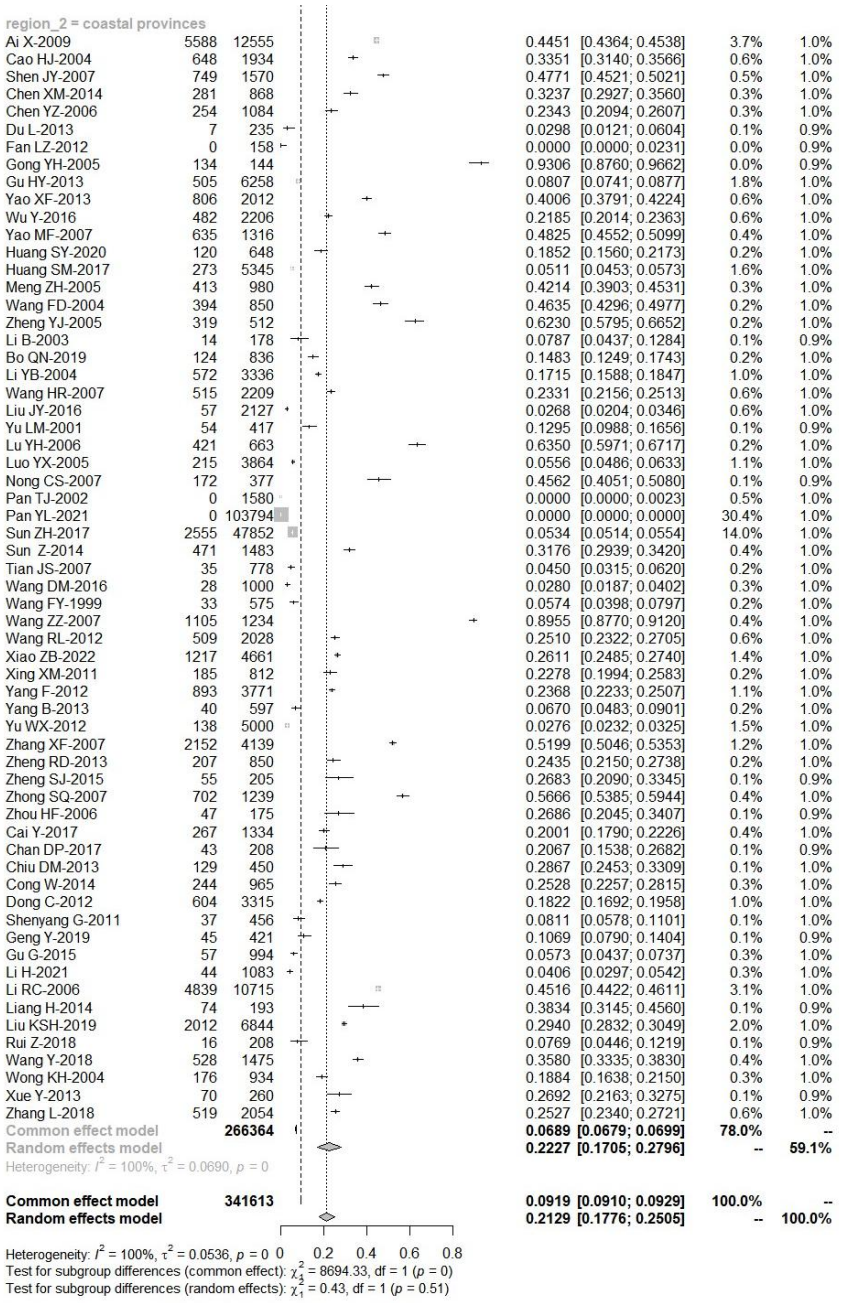


Figure S23. Forest plot of anti-HEV IgG prevalence in the general population in the coastal and inland areas

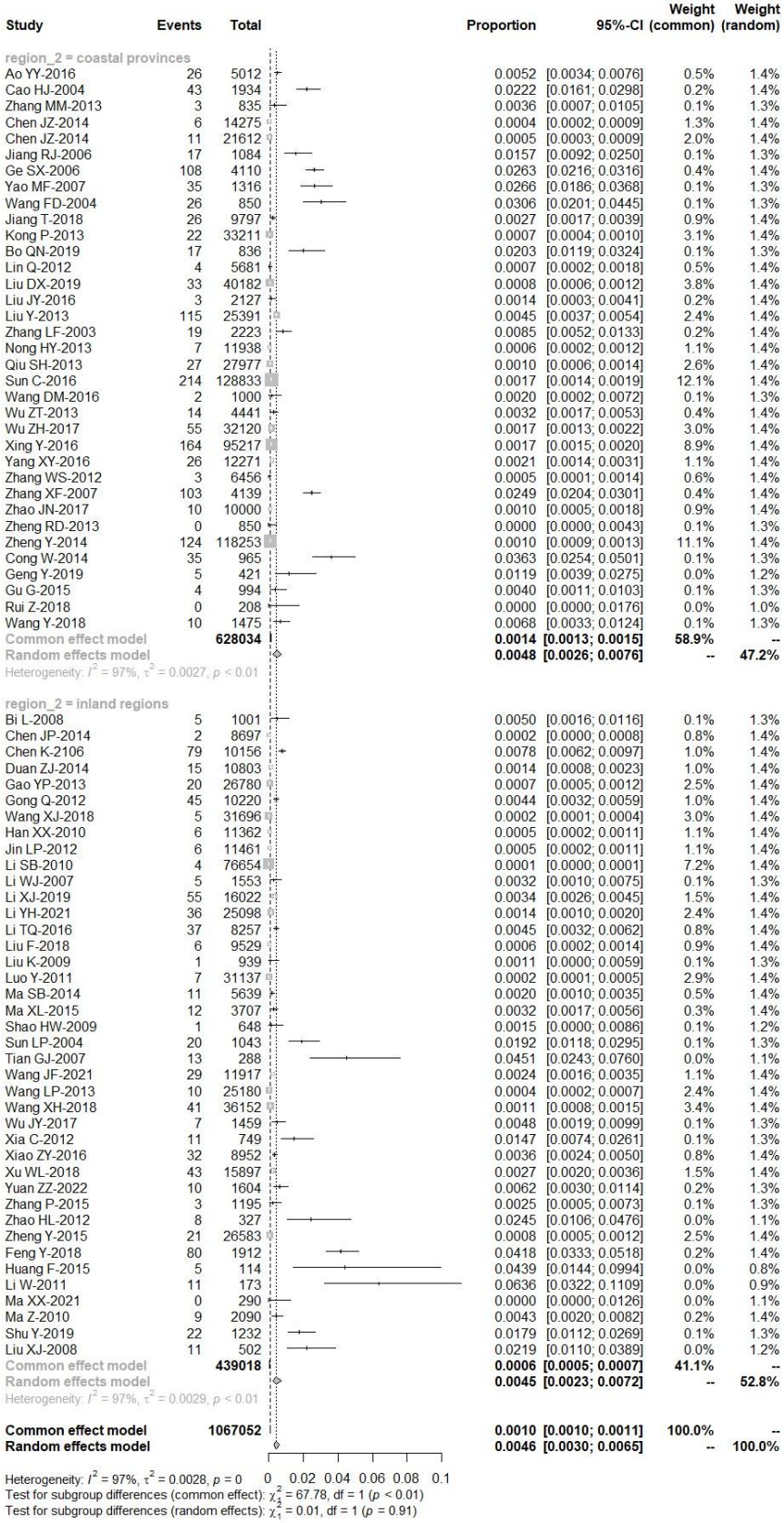


Figure S24. Forest plot of anti-HEV IgM prevalence in the general population in the coastal and inland areas

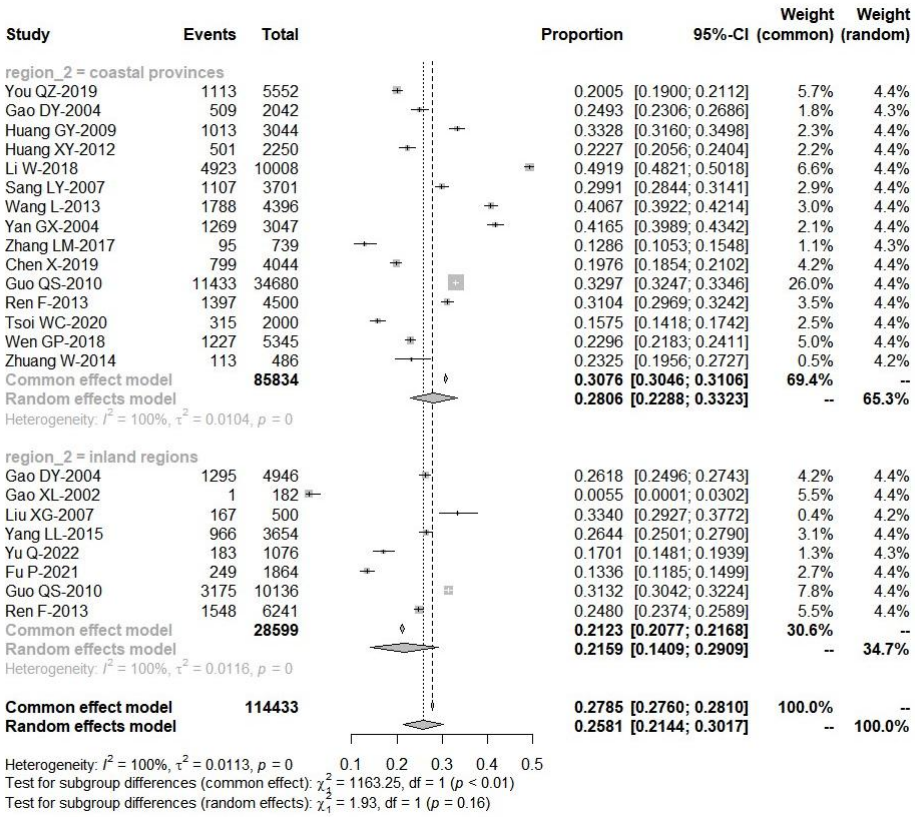


Figure S25. Forest plot of anti-HEV IgG prevalence in volunteer blood donors in the coastal and inland areas

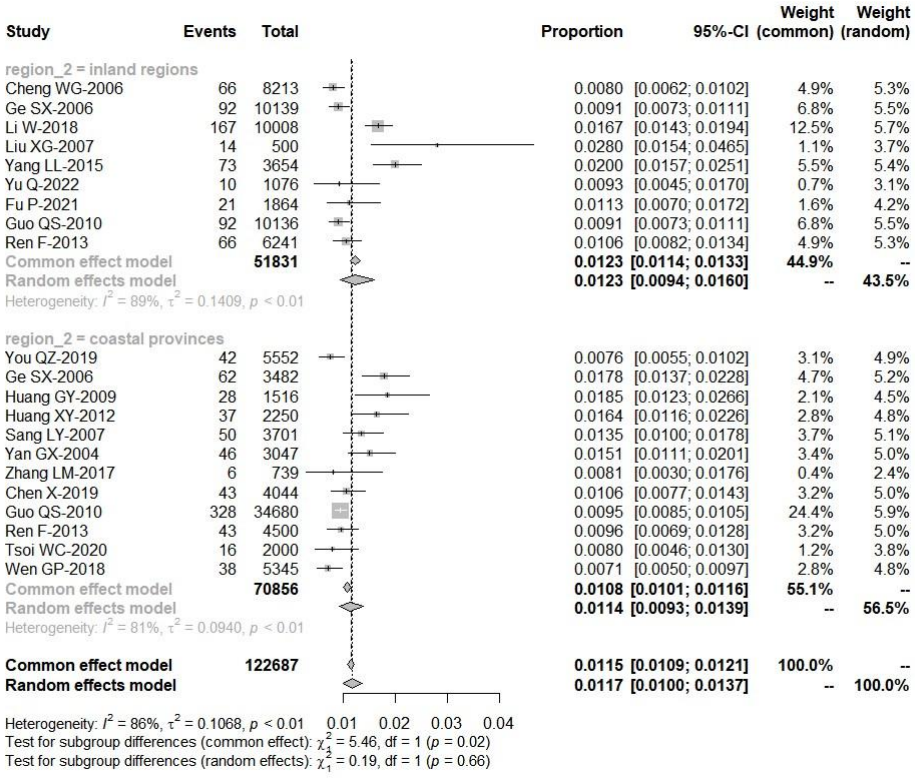


Figure S26. Forest plot of anti-HEV IgM prevalence in volunteer blood donors in the coastal and inland areas

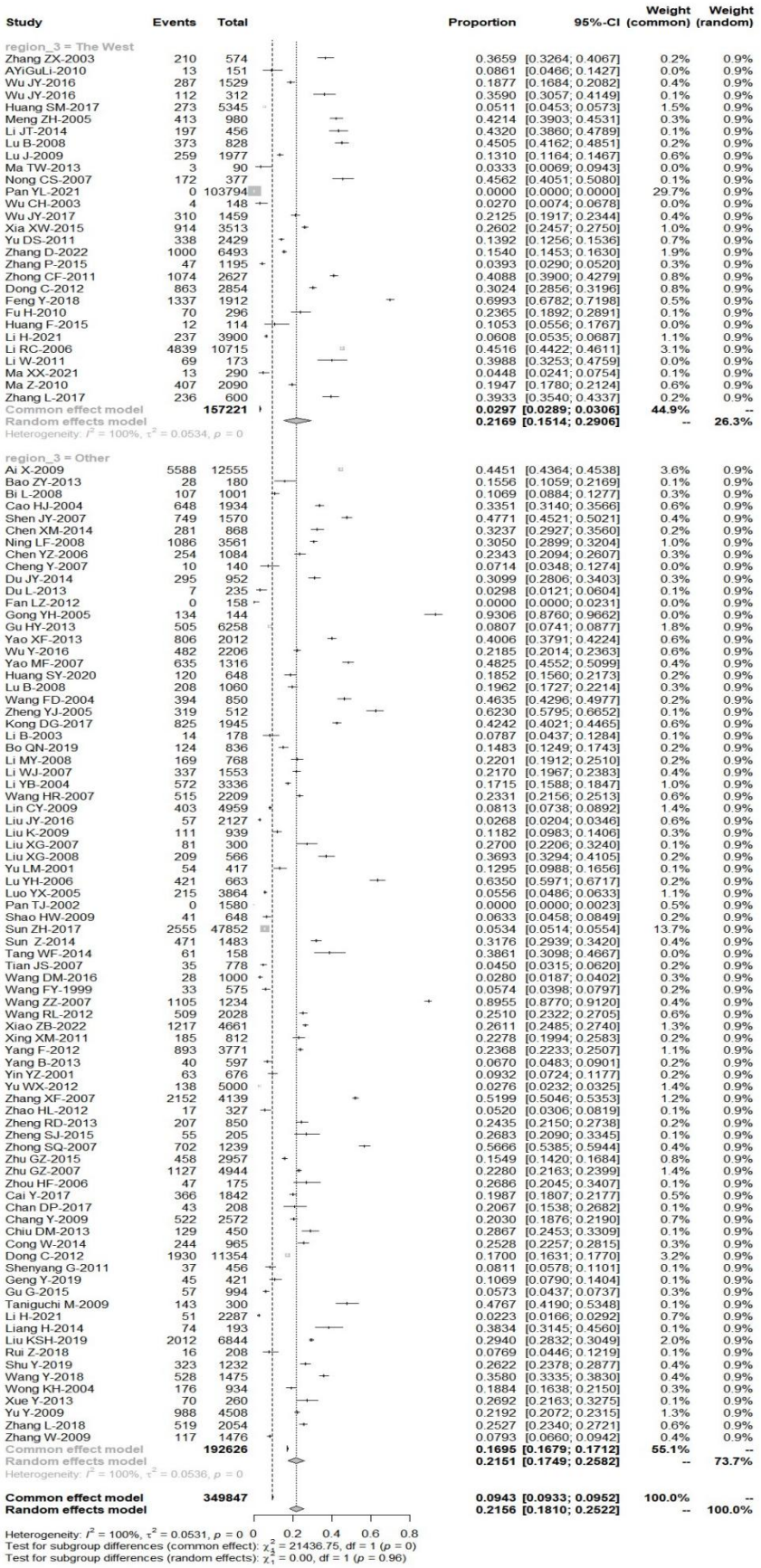


Figure S27. Forest plot of anti-HEV IgG prevalence in the general population in the western and non-western regions

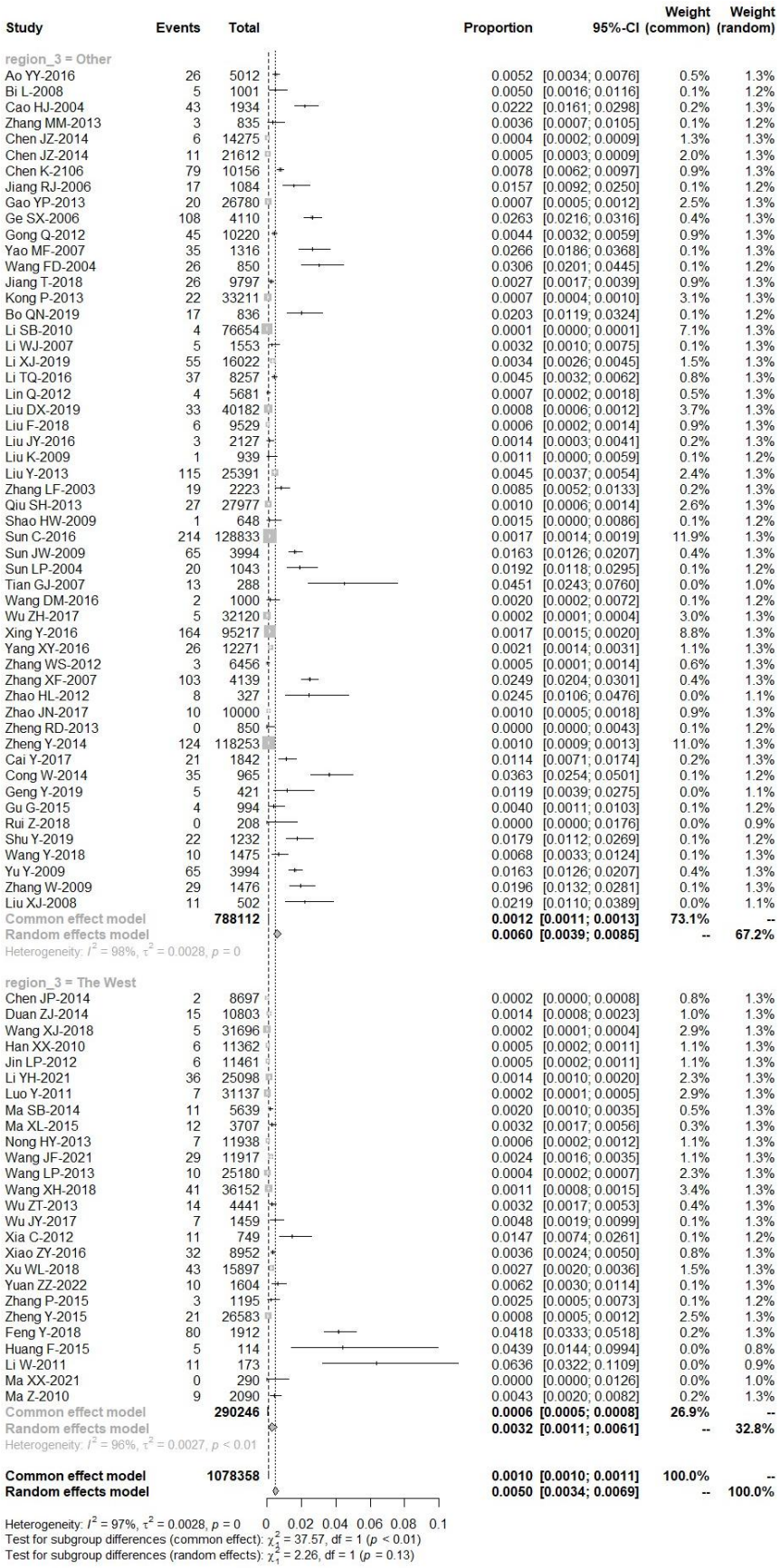


Figure S28. Forest plot of anti-HEV IgM prevalence in the general population in the western and non-western regions

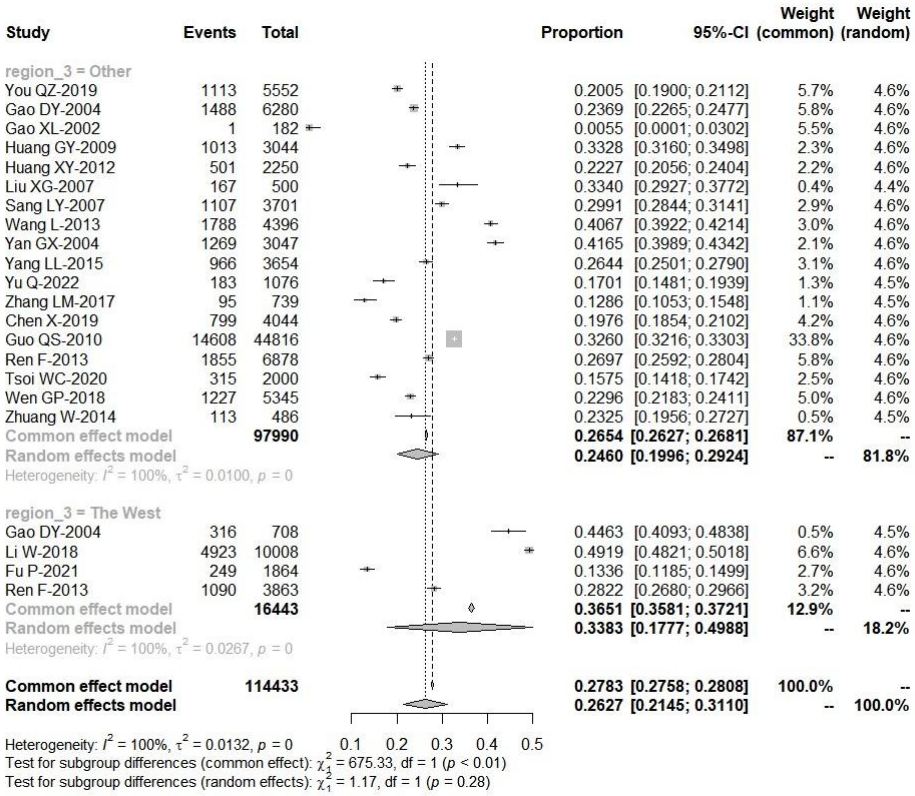


Figure S29. Forest plot of anti-HEV IgG prevalence in volunteer blood donors in the western and non-western regions

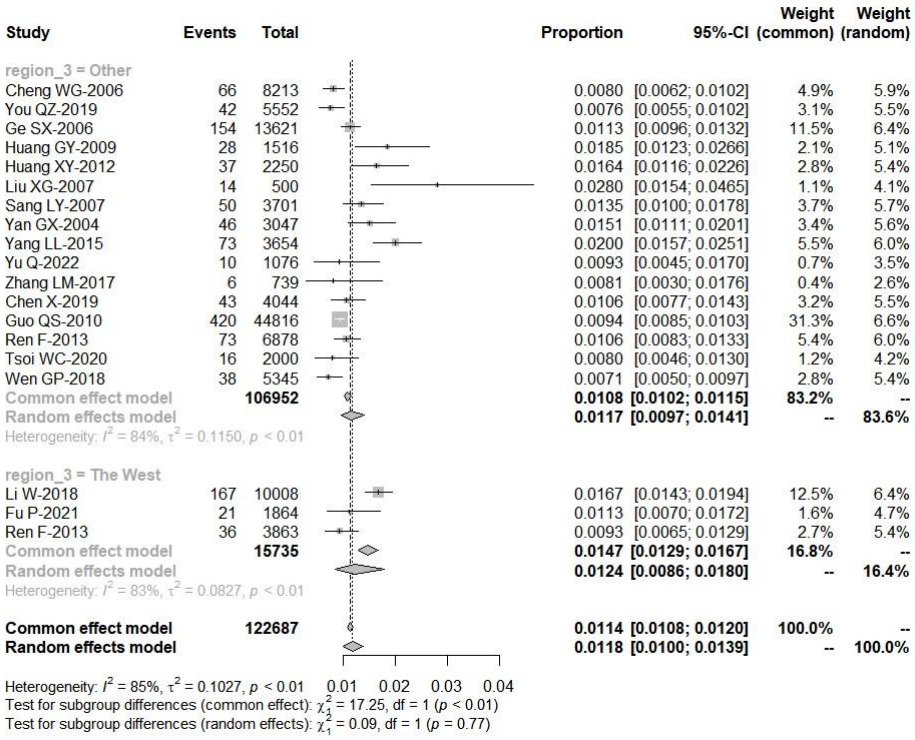


Figure S30. Forest plot of anti-HEV IgM prevalence in volunteer blood donors in the western and non-western regions

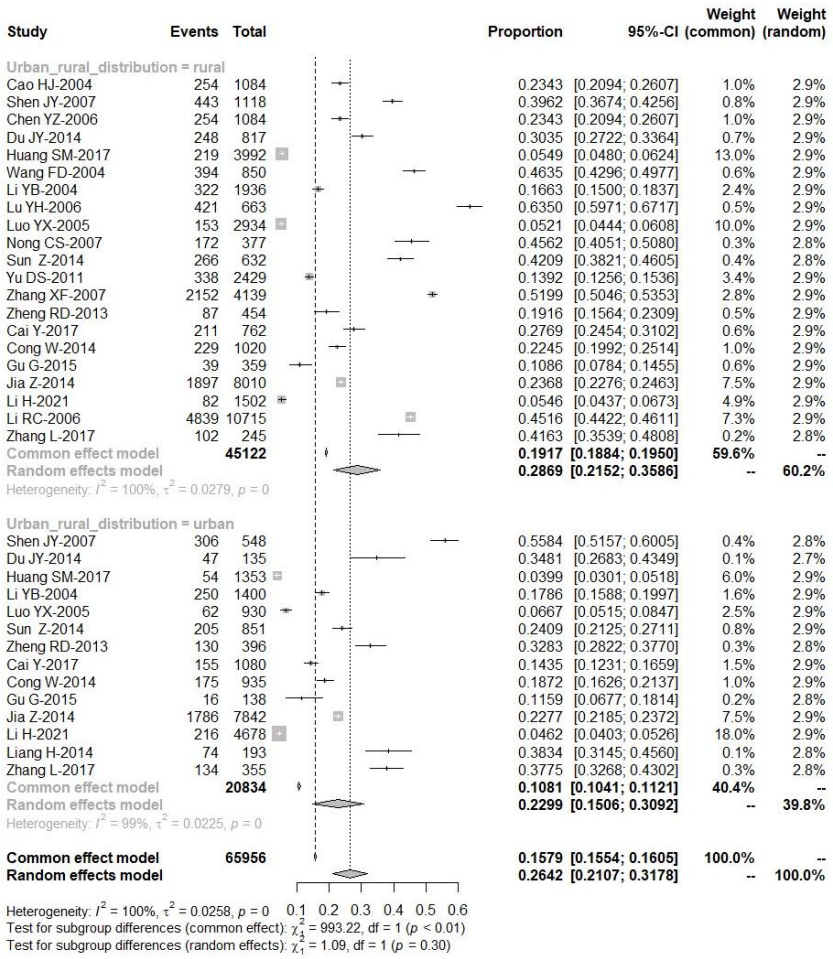


Figure S31. Forest plot of anti-HEV IgG prevalence in the general popualtion in the urban and rural areas

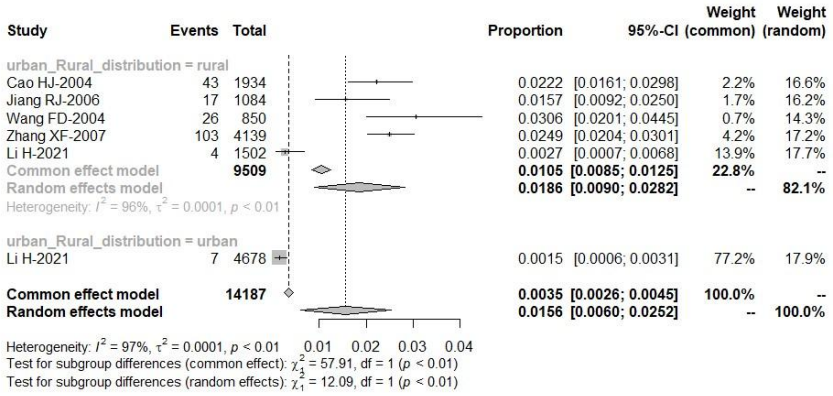
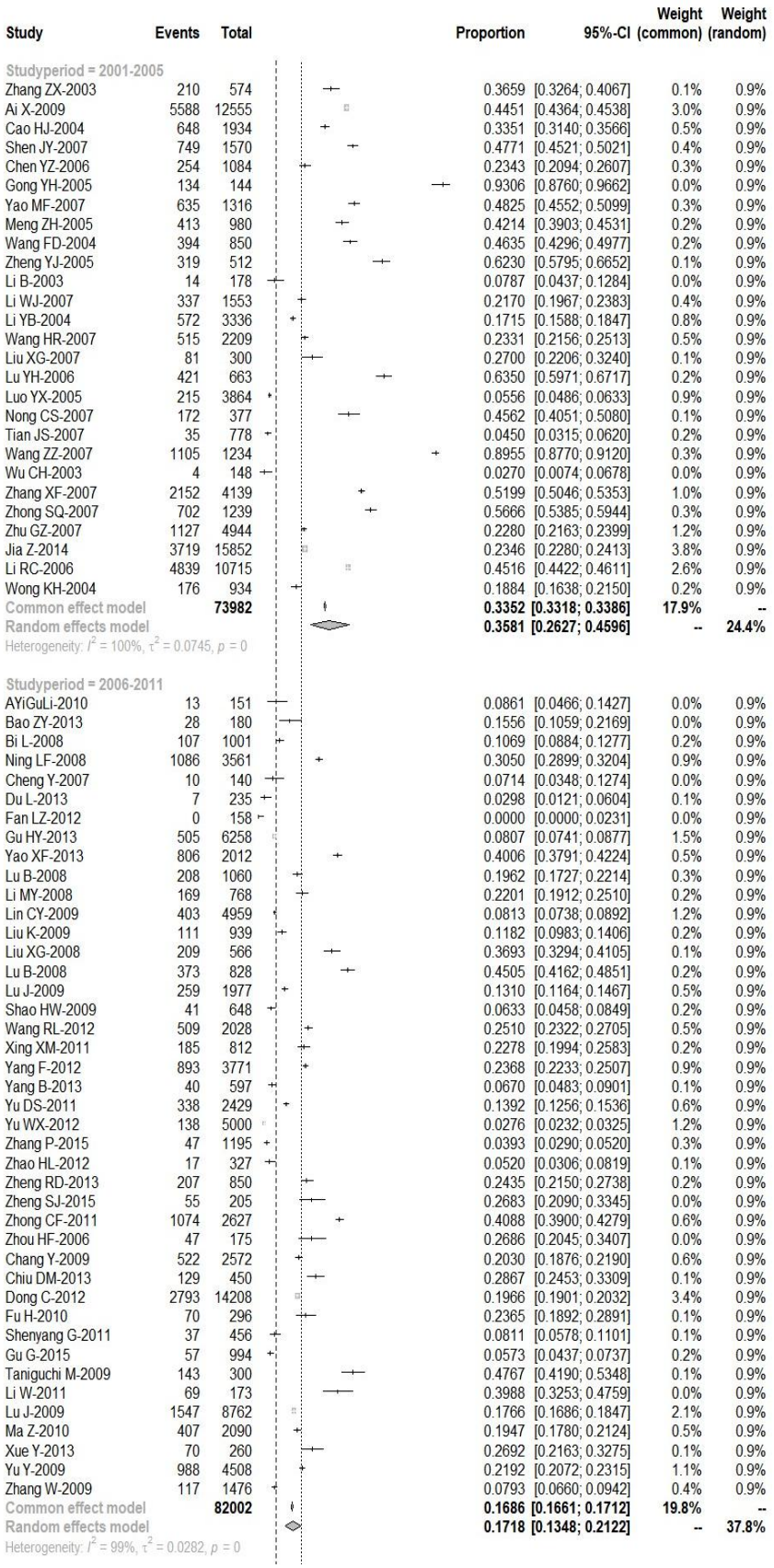


Figure S32. Forest plot of anti-HEV IgM prevalence in the general popualtion in the urban and rural areas


Study Events Total Proportion 95%-CI Weight (common) Weight (random)
Studyperiod = 2001-2005
Zhang ZX-2003 210 574 0.3659 [0.3264; 0.4067] 0.1% 0.9%
Ai X-2009 5588 12555 0.4451 [0.4364; 0.4538] 3.0% 0.9%
Cao HJ-2004 648 1934 0.3351 [0.3140; 0.3566] 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 MF-2007 635 1316 0.4825 [0.4552; 0.5099] 0.3% 0.9%
Meng ZH-2005 413 980 0.4214 [0.3903; 0.4531] 0.2% 0.9%
Wang FD-2004 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 0.2170 [0.1967; 0.2383] 0.4% 0.9%
Li YB-2004 572 3336 0.1715 [0.1588; 0.1847] 0.8% 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%
Nong CS-2007 172 377 0.4562 [0.4051; 0.5080] 0.1% 0.9%
Tian JS-2007 35 778 0.0450 [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 XF-2007 2152 4139 0.5199 [0.5046; 0.5353] 1.0% 0.9%
Zhong SQ-2007 702 1239 0.5666 [0.5385; 0.5944] 0.3% 0.9%
Zhu GZ-2007 1127 4944 0.2280 [0.2163; 0.2399] 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 effect model 73982 0.3352 [0.3318; 0.3386] 17.9% --
Random effects model 0.3581 [0.2627; 0.4596] -- 24.4%
Heterogeneity: I^2 = 100%, τ^2 = 0.0745, p = 0
Studyperiod = 2006-2011
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] 0.0% 0.9%
Bi L-2008 107 1001 0.1069 [0.0884; 0.1277] 0.2% 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 0 158 0.0000 [0.0000; 0.0231] 0.0% 0.9%
Gu HY-2013 505 6258 0.0807 [0.0741; 0.0877] 1.5% 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 K-2009 111 939 0.1182 [0.0983; 0.1406] 0.2% 0.9%
Liu XG-2008 209 566 0.3693 [0.3294; 0.4105] 0.1% 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 41 648 0.0633 [0.0458; 0.0849] 0.2% 0.9%
Wang RL-2012 509 2028 0.2510 [0.2322; 0.2705] 0.5% 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 338 2429 0.1392 [0.1256; 0.1536] 0.6% 0.9%
Yu WX-2012 138 5000 0.0276 [0.0232; 0.0325] 1.2% 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 55 205 0.2683 [0.2090; 0.3345] 0.0% 0.9%
Zhong CF-2011 1074 2627 0.4088 [0.3900; 0.4279] 0.6% 0.9%
Zhou HF-2006 47 175 0.2686 [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 2793 14208 0.1966 [0.1901; 0.2032] 3.4% 0.9%
Fu H-2010 70 296 0.2365 [0.1892; 0.2891] 0.1% 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 69 173 0.3988 [0.3253; 0.4759] 0.0% 0.9%
Lu J-2009 1547 8762 0.1766 [0.1686; 0.1847] 2.1% 0.9%
Ma Z-2010 407 2090 0.1947 [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%
Common effect model 82002 0.1686 [0.1661; 0.1712] 19.8% --
Random effects model 0.1718 [0.1348; 0.2122] -- 37.8%
Heterogeneity: I^2 = 99%, τ^2 = 0.0282, p = 0

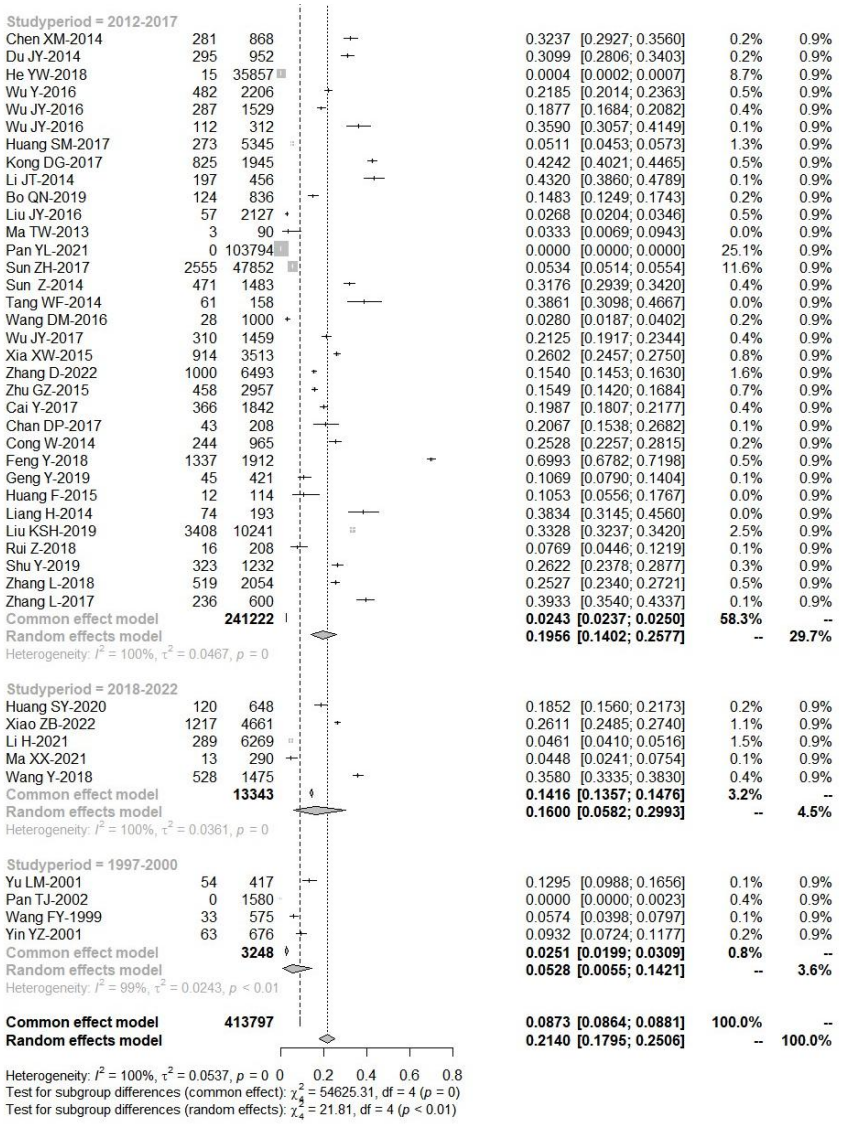


Figure S33. Forest plot of anti-HEV IgG prevalence in the general popualtion in different study periods

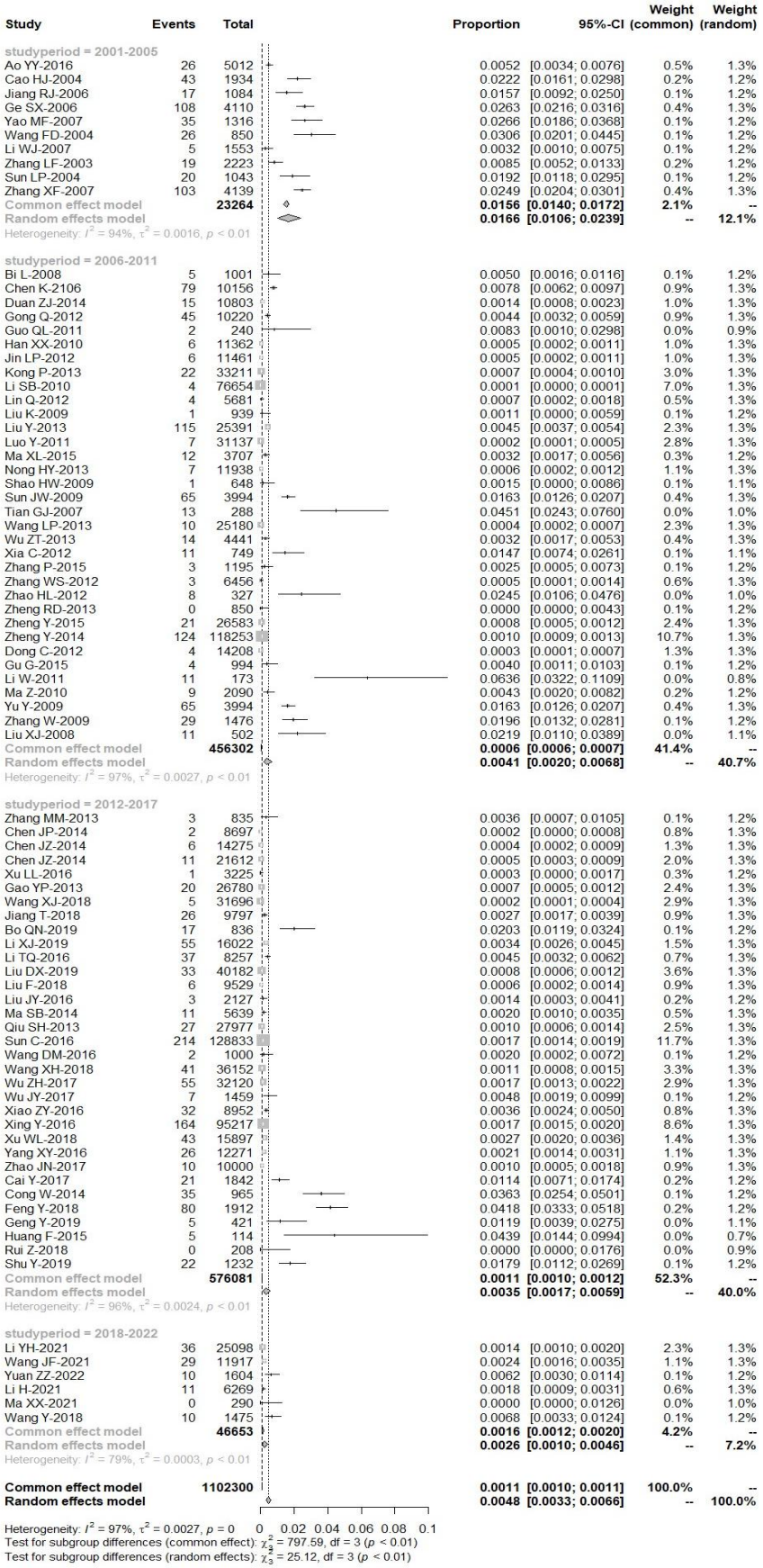


Figure S34. Forest plot of anti-HEV IgM prevalence in the general popualtion in different study periods

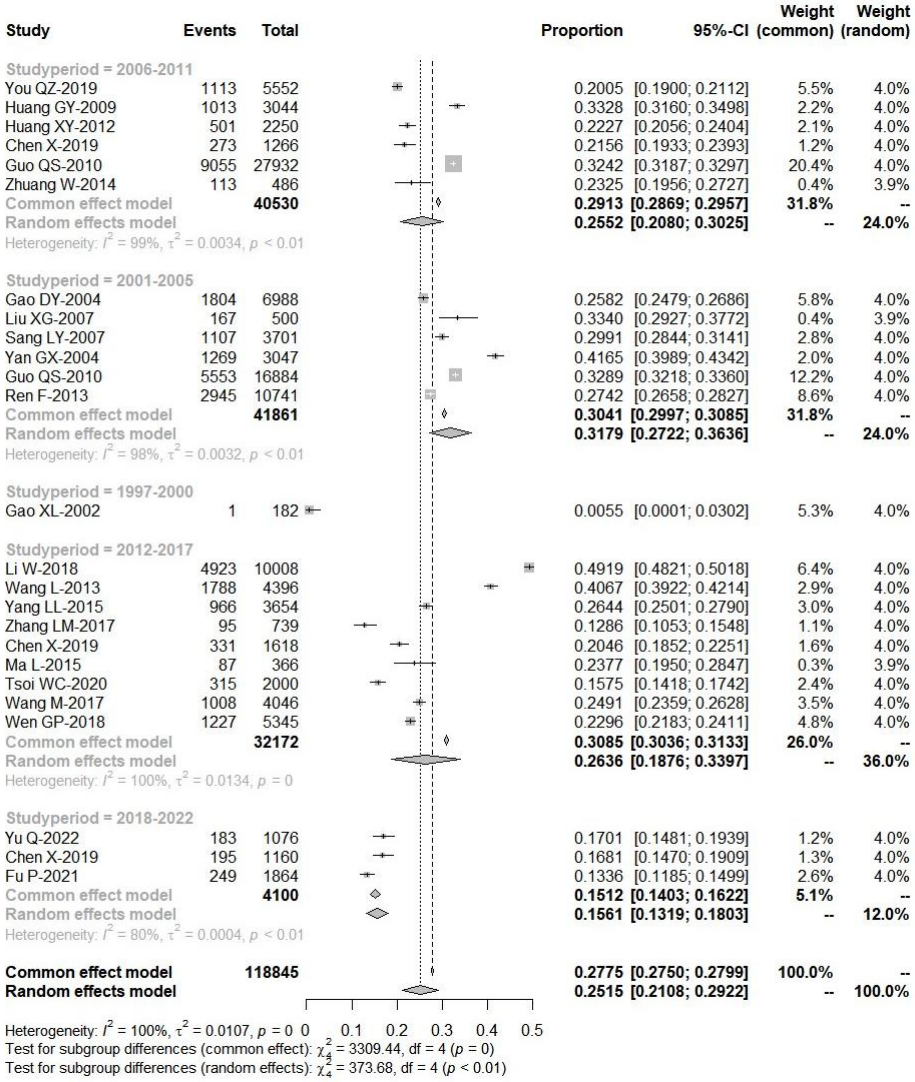


Figure S35. Forest plot of anti-HEV IgG prevalence in volunteer blood donors in different study periods

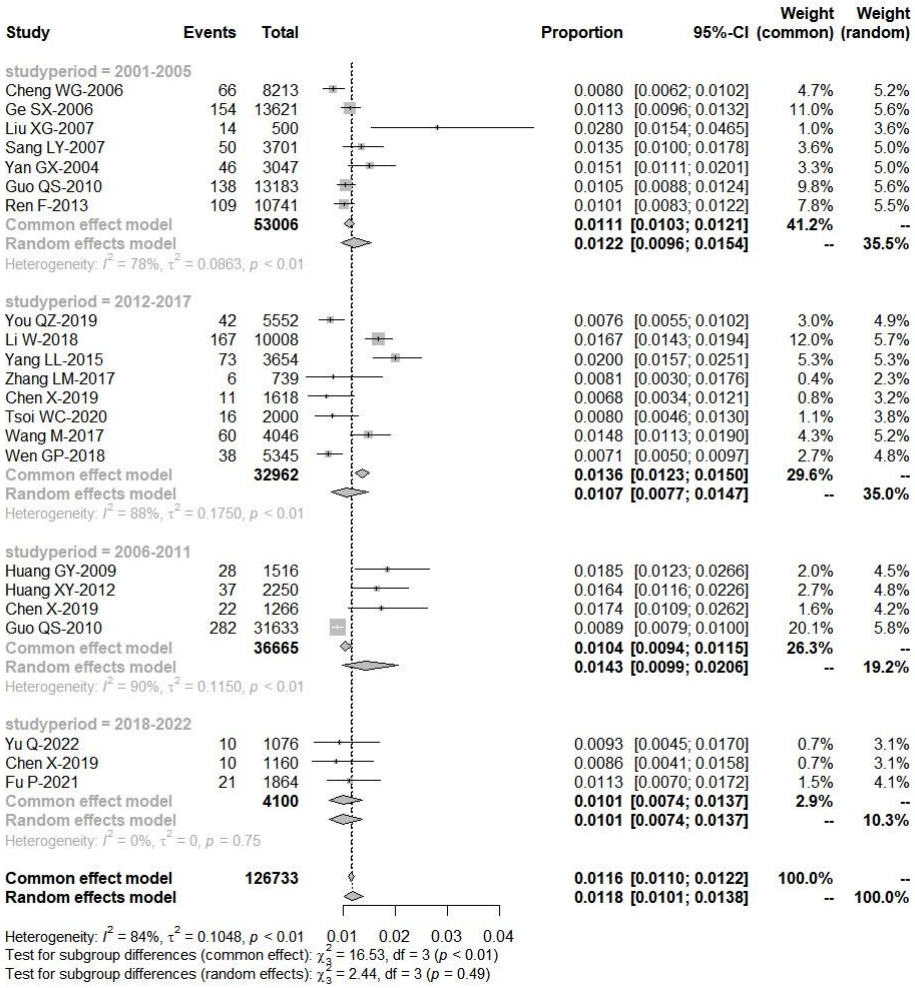


Figure S36. Forest plot of anti-HEV IgM prevalence in volunteer blood donors in different study periods

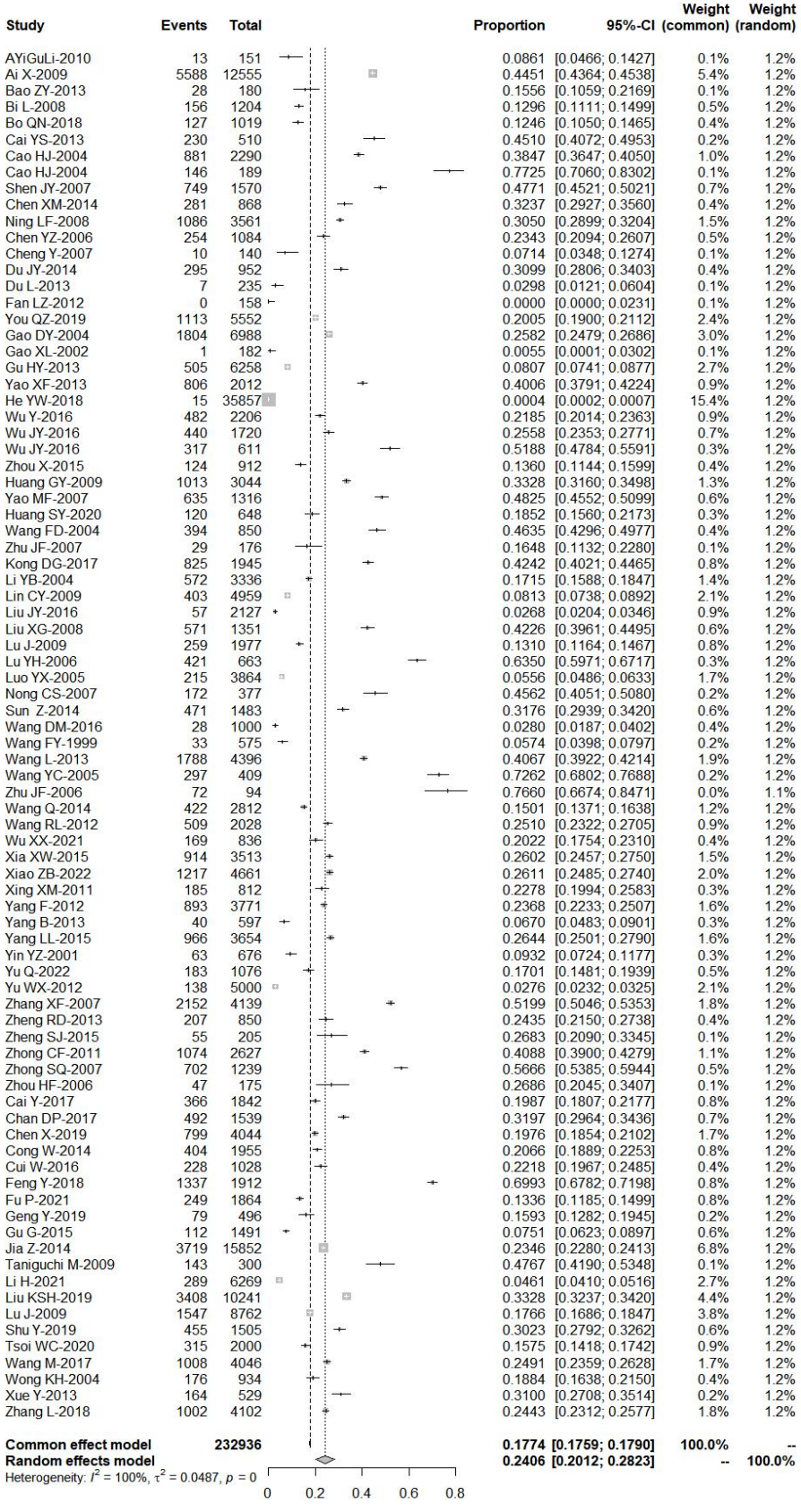
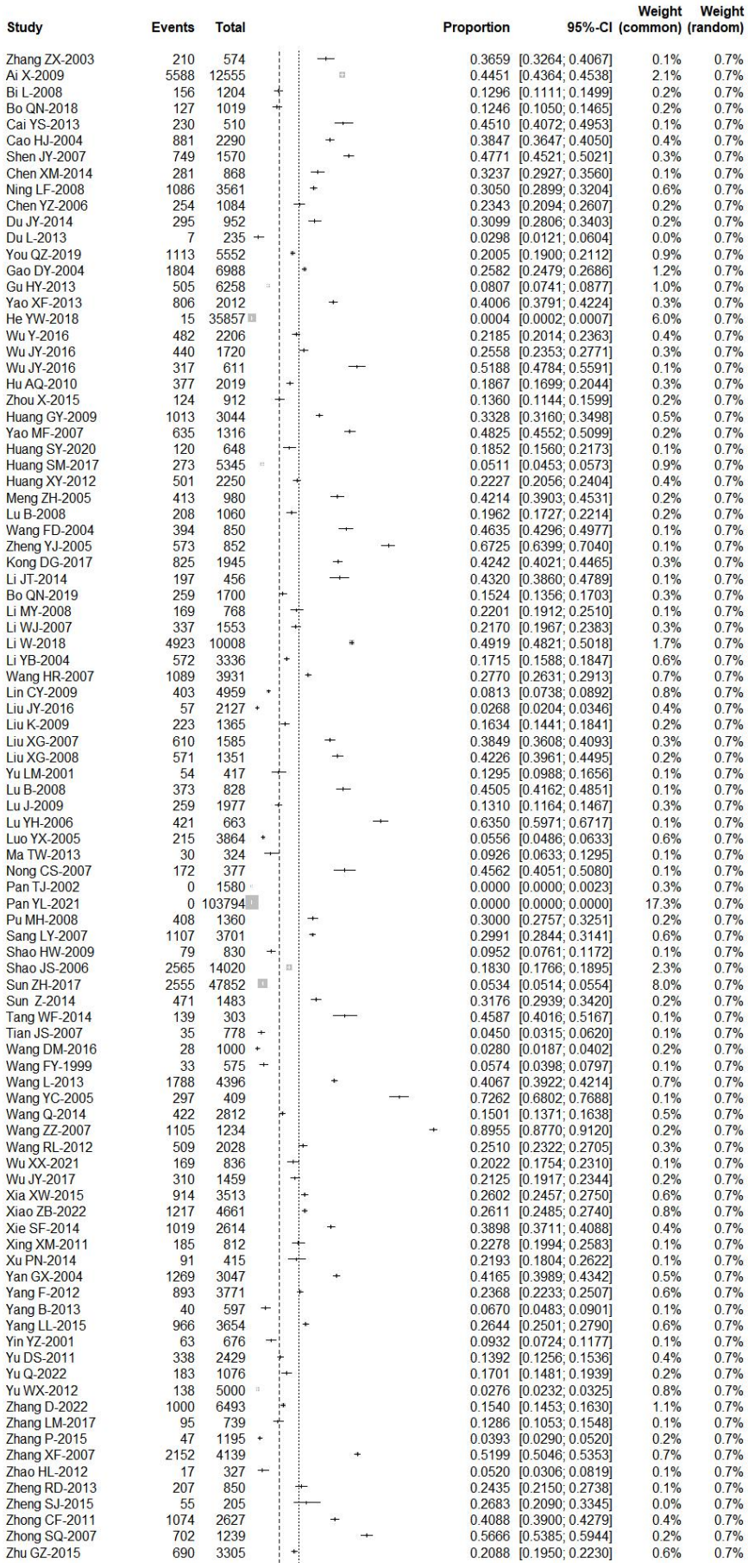
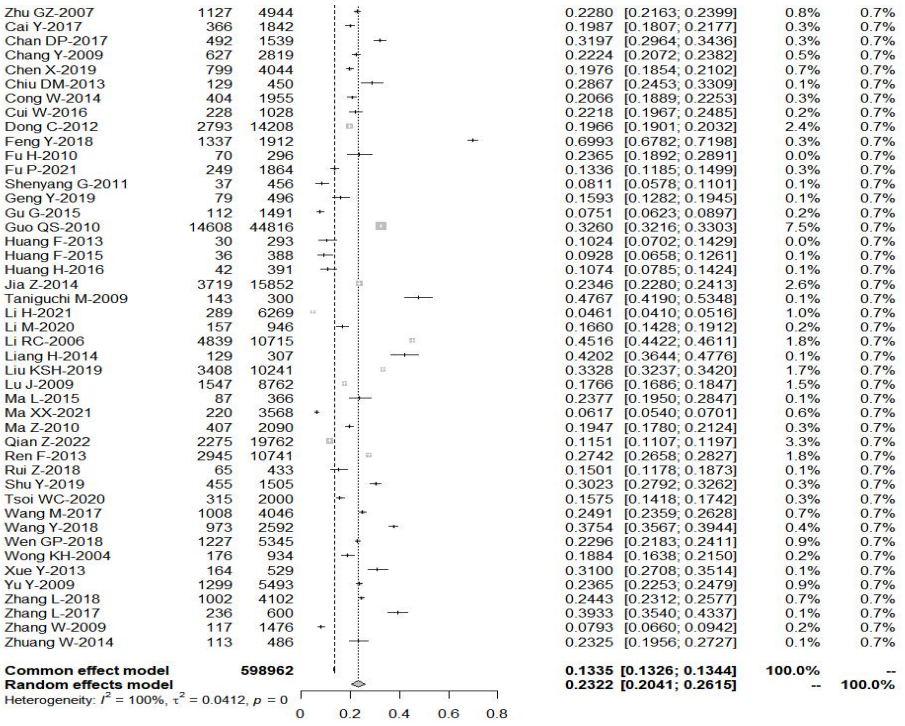


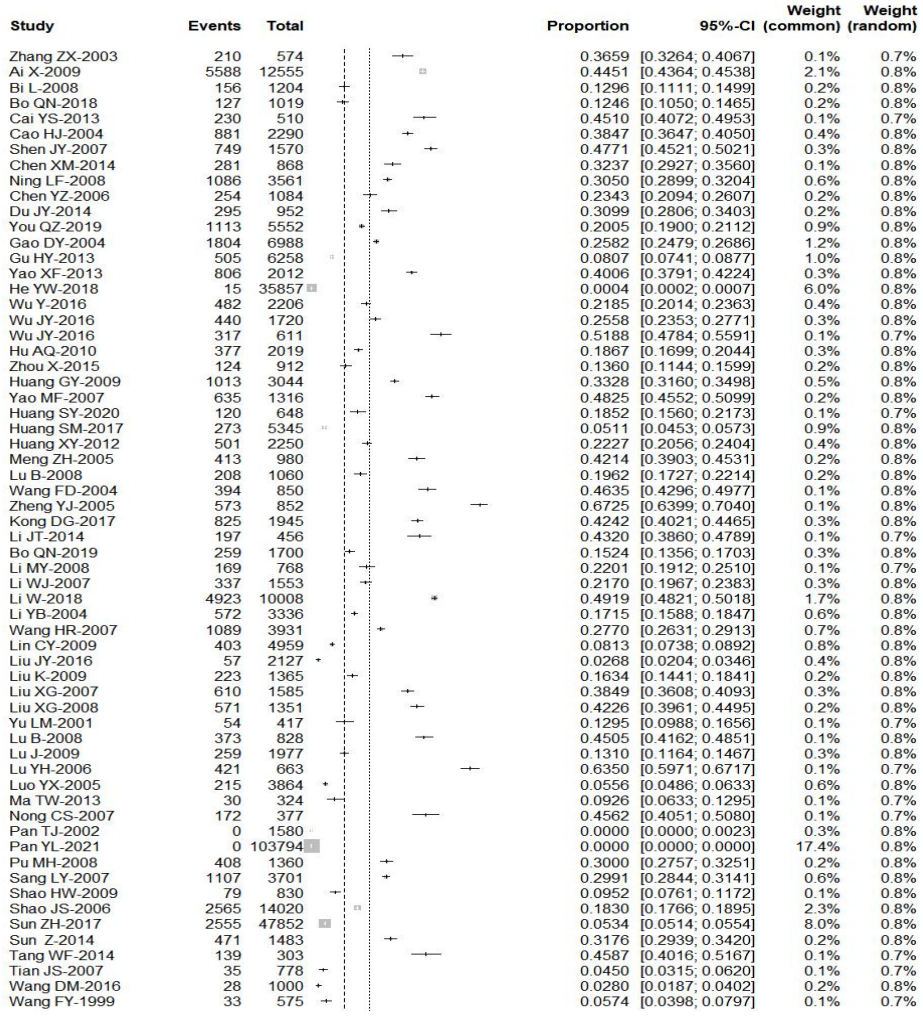
Figure S37. Sensitivity analysis of anti-HEV IgG positivity (1)Studies with a JBI score ≤5 were excluded

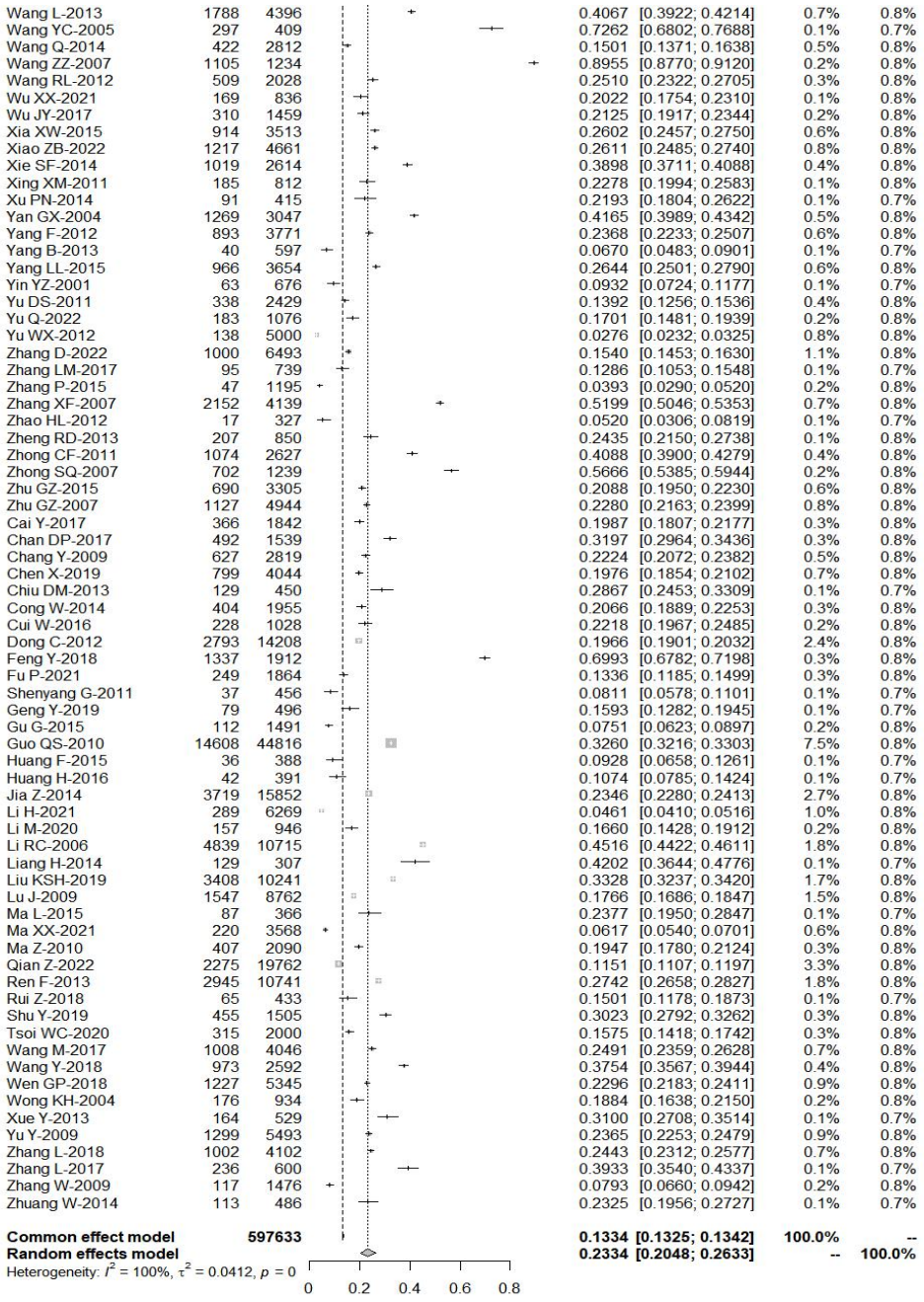


Study	Events	Total	Proportion	95%-CI	Weight (common)	Weight (random)
Zhang ZX-2003	210	574	0.3659	[0.3264; 0.4067]	0.1%	0.7%
Ai X-2009	5588	12555	0.4451	[0.4364; 0.4538]	2.1%	0.7%
Bi L-2008	156	1204	0.1296	[0.1111; 0.1499]	0.2%	0.7%
Bo QN-2018	127	1019	0.1246	[0.1050; 0.1465]	0.2%	0.7%
Cai YS-2013	230	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%
Shen JY-2007	749	1570	0.4771	[0.4521; 0.5021]	0.3%	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	7	235	0.0298	[0.0121; 0.0604]	0.0%	0.7%
You QZ-2019	1113	5552	0.2005	[0.1900; 0.2112]	0.9%	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	1720	0.2558	[0.2353; 0.2771]	0.3%	0.7%
Wu JY-2016	317	611	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%
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	273	5345	0.0511	[0.0453; 0.0573]	0.9%	0.7%
Huang XY-2012	501	2250	0.2227	[0.2056; 0.2404]	0.4%	0.7%
Meng ZH-2005	413	980	0.4214	[0.3903; 0.4531]	0.2%	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 JT-2014	197	456	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%
Li MY-2008	169	768	0.2201	[0.1912; 0.2510]	0.1%	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 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%
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	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%
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	0	103794	0.0000	[0.0000; 0.0000]	17.3%	0.7%
Pu MH-2008	408	1360	0.3000	[0.2757; 0.3251]	0.2%	0.7%
Sang LY-2007	1107	3701	0.2991	[0.2844; 0.3141]	0.6%	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	0.4587	[0.4016; 0.5167]	0.1%	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 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	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	509	2028	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	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	1019	2614	0.3898	[0.3711; 0.4088]	0.4%	0.7%
Xing XM-2011	185	812	0.2278	[0.1994; 0.2583]	0.1%	0.7%
Xu PN-2014	91	415	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 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%
Yin YZ-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%	0.7%
Yu Q-2022	183	1076	0.1701	[0.1481; 0.1939]	0.2%	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 XF-2007	2152	4139	0.5199	[0.5046; 0.5353]	0.7%	0.7%
Zhao HL-2012	17	327	0.0520	[0.0306; 0.0819]	0.1%	0.7%
Zheng RD-2013	207	850	0.2435	[0.2150; 0.2738]	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%

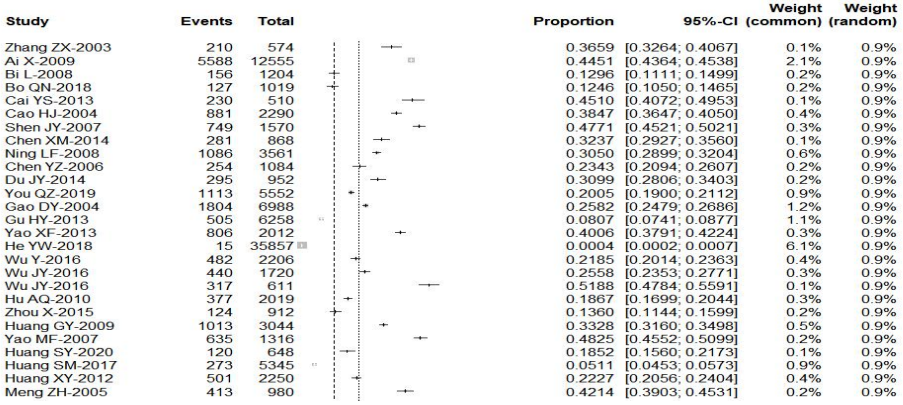


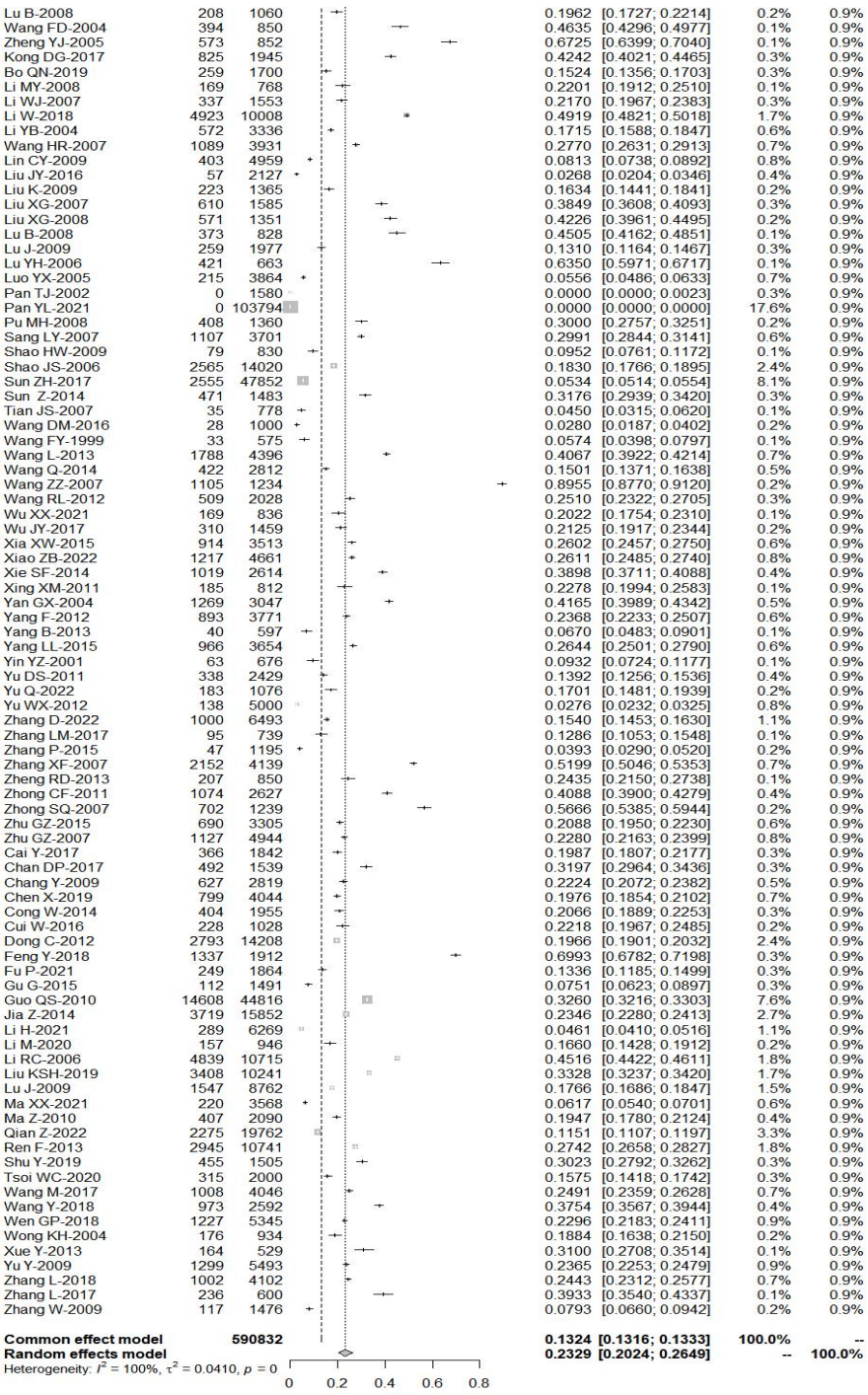
(2)Studies with sample sizes ≤ 200 were excluded





(3)Studies with sample sizes ≤ 300 were excluded





(4)Studies with sample sizes ≤ 500 were excluded

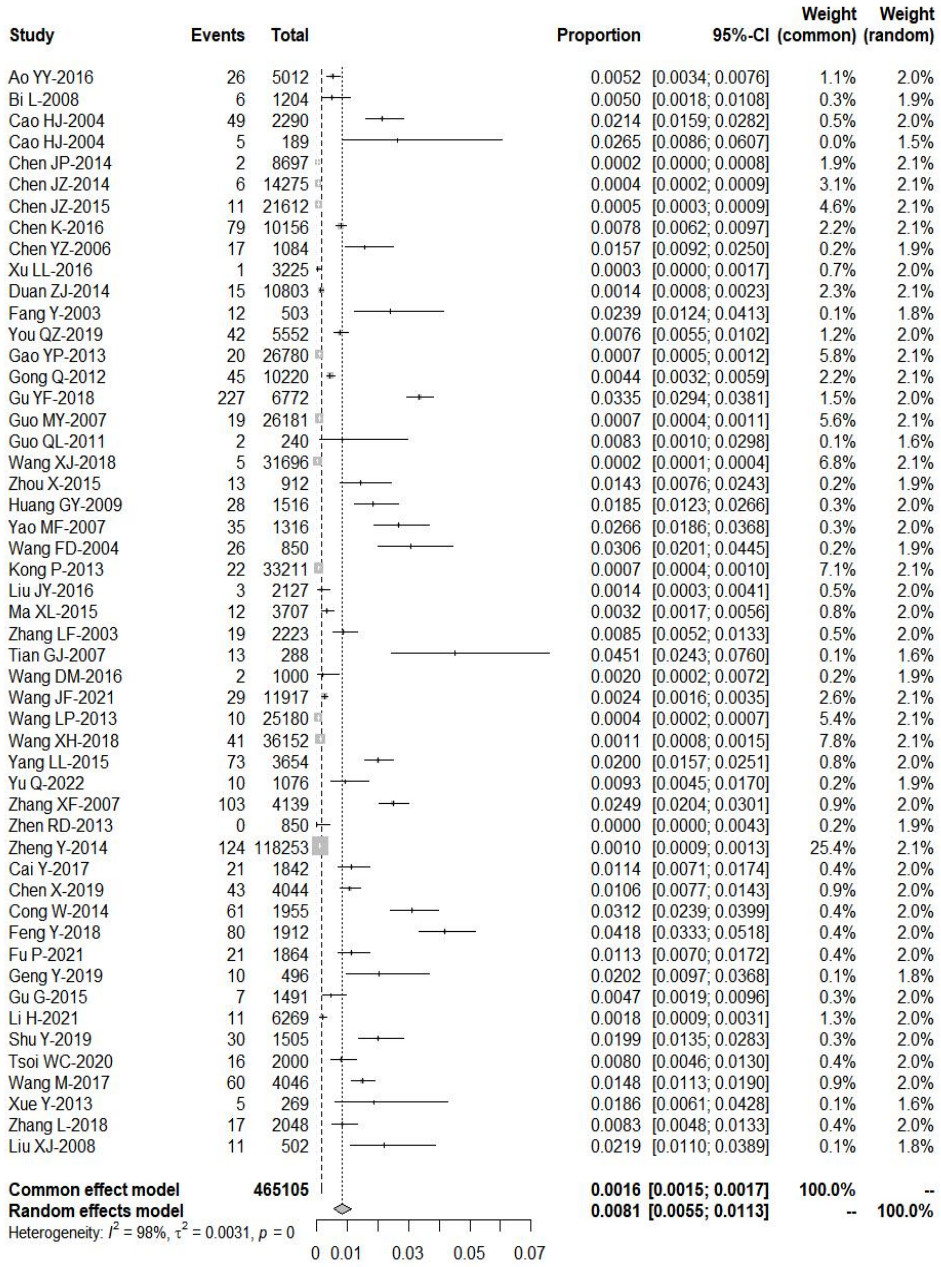
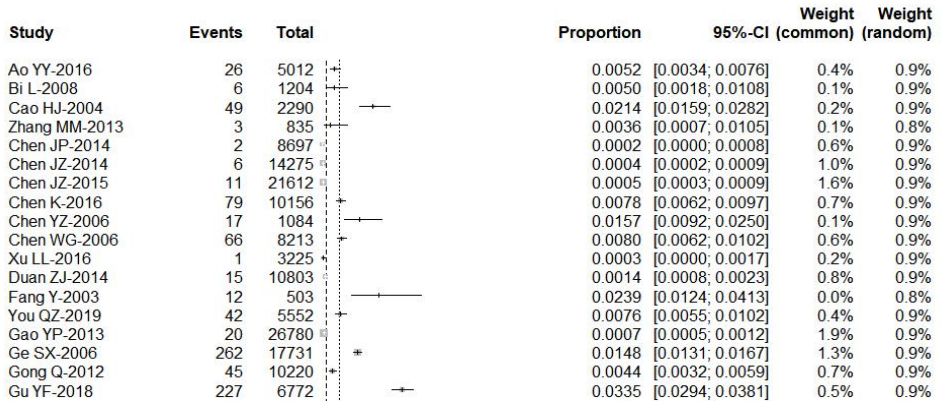
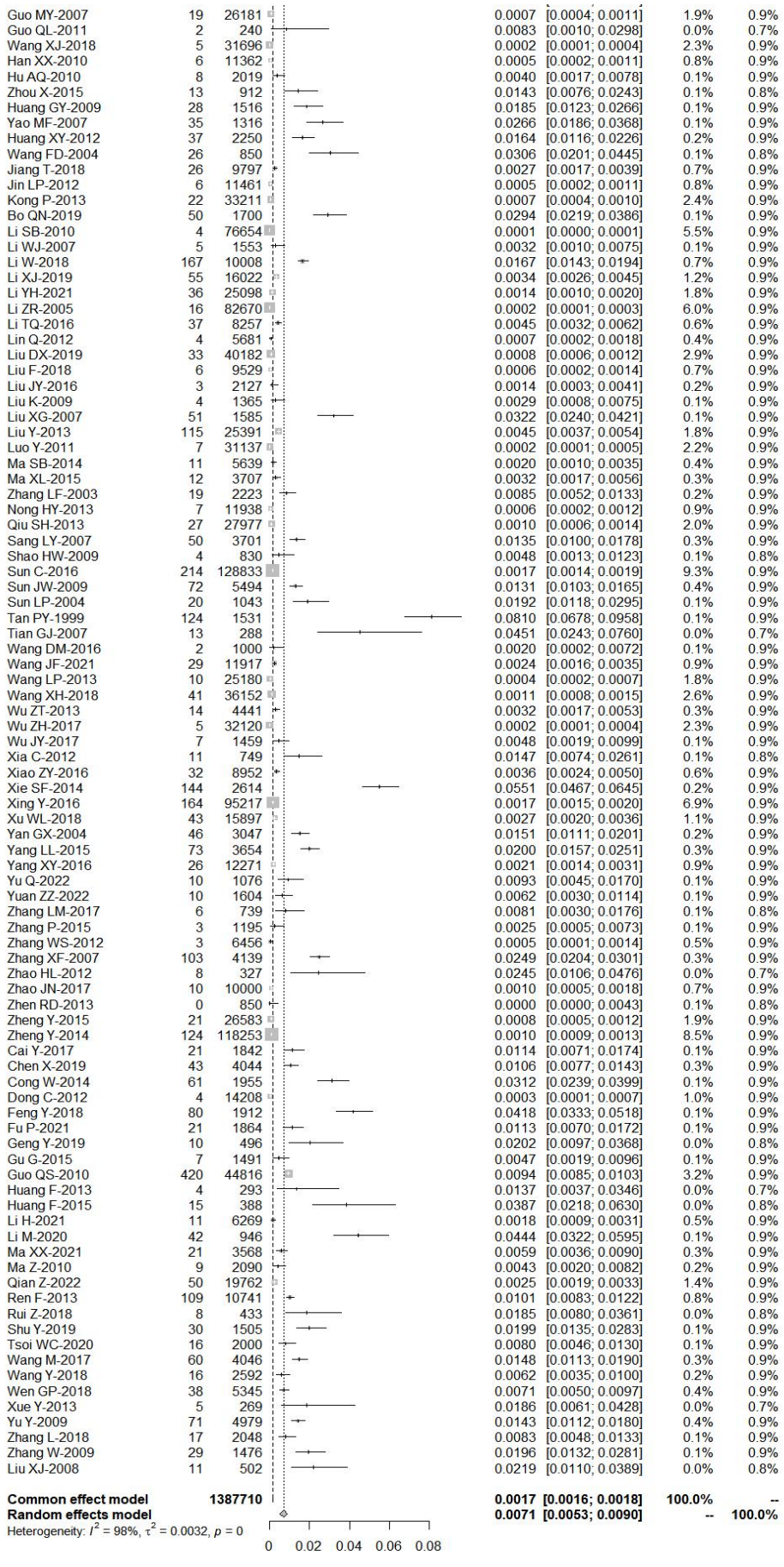
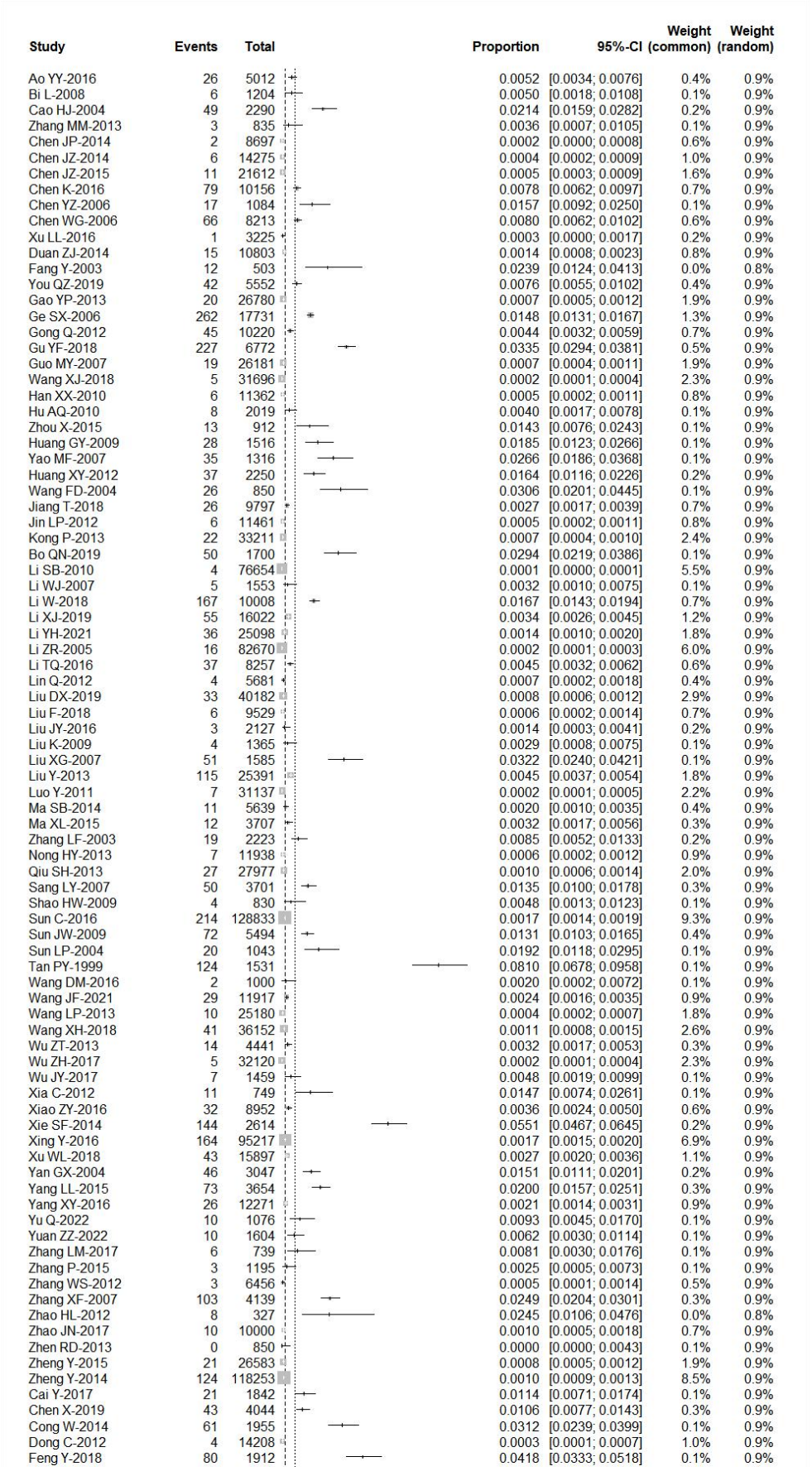


Figure S38. Sensitivity analysis of anti-HEV IgM positivity (1)Studies with a JBI score ≤5 were excluded

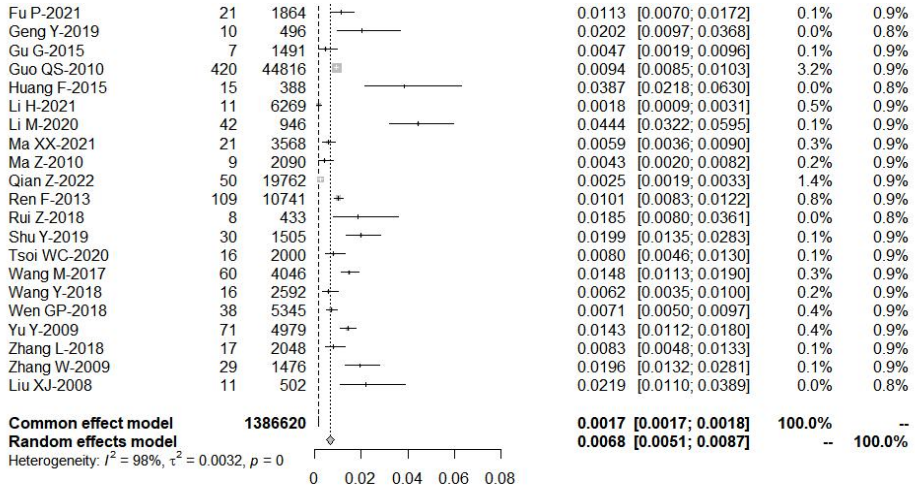



Guo MY-2007 19 26181 0.0007 [0.0004; 0.0011] 1.9% 0.9%
Guo QL-2011 2 240 0.0083 [0.0010; 0.0298] 0.0% 0.7%
Wang XJ-2018 5 31696 0.0002 [0.0001; 0.0004] 2.3% 0.9%
Han XX-2010 6 11362 0.0005 [0.0002; 0.0011] 0.8% 0.9%
Hu AQ-2010 8 2019 0.0040 [0.0017; 0.0078] 0.1% 0.9%
Zhou X-2015 13 912 0.0143 [0.0076; 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 6 11461 0.0005 [0.0002; 0.0011] 0.8% 0.9%
Kong P-2013 22 33211 0.0007 [0.0004; 0.0010] 2.4% 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 0.0032 [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 0.0034 [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%
Li TQ-2016 37 8257 0.0045 [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 0.0008 [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 0.0014 [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% 0.9%
Luo Y-2011 7 31137 0.0002 [0.0001; 0.0005] 2.2% 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 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 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% 0.8%
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 0.0192 [0.0118; 0.0295] 0.1% 0.9%
Tan PY-1999 124 1531 0.0810 [0.0678; 0.0958] 0.1% 0.9%
Tian GJ-2007 13 288 0.0451 [0.0243; 0.0760] 0.0% 0.7%
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% 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 0.0032 [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 7 1459 0.0048 [0.0019; 0.0099] 0.1% 0.9%
Xia C-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 0.0551 [0.0467; 0.0645] 0.2% 0.9%
Xing Y-2016 164 95217 0.0017 [0.0015; 0.0020] 6.9% 0.9%
Xu WL-2018 43 15897 0.0027 [0.0020; 0.0036] 1.1% 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 0.0093 [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 0.0081 [0.0030; 0.0176] 0.1% 0.8%
Zhang P-2015 3 1195 0.0025 [0.0005; 0.0073] 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 8 327 0.0245 [0.0106; 0.0476] 0.0% 0.7%
Zhao JN-2017 10 10000 0.0010 [0.0005; 0.0018] 0.7% 0.9%
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%
Cai Y-2017 21 1842 0.0114 [0.0071; 0.0174] 0.1% 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%
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%
Geng Y-2019 10 496 0.0202 [0.0097; 0.0368] 0.0% 0.8%
Gu G-2015 7 1491 0.0047 [0.0019; 0.0096] 0.1% 0.9%
Guo QS-2010 420 44816 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 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%
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%
Liu XJ-2008 11 502 0.0219 [0.0110; 0.0389] 0.0% 0.8%
Common effect model 1387710 0.0017 [0.0016; 0.0018] 100.0% --
Random effects model 0.0071 [0.0053; 0.0090] -- 100.0%
Heterogeneity: I^2 = 98%, τ^2 = 0.0032, p = 0
0 0.02 0.04 0.06 0.08

(2) Studies with sample sizes ≤ 200 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%	0.9%
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%
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%
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%	0.9%
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%	0.9%
Jiang T-2018	26	9797	0.0027	[0.0017; 0.0039]	0.7%	0.9%
Jin LP-2012	6	11461	0.0005	[0.0002; 0.0011]	0.8%	0.9%
Kong P-2013	22	33211	0.0007	[0.0004; 0.0010]	2.4%	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	0.0032	[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	0.0034	[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%
Li TQ-2016	37	8257	0.0045	[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	0.0008	[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	0.0014	[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%	0.9%
Luo Y-2011	7	31137	0.0002	[0.0001; 0.0005]	2.2%	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	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	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	0.0192	[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; 0.0072]	0.1%	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%
Wang XH-2018	41	36152	0.0011	[0.0008; 0.0015]	2.6%	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	7	1459	0.0048	[0.0019; 0.0099]	0.1%	0.9%
Xia C-2012	11	749	0.0147	[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	164	95217	0.0017	[0.0015; 0.0020]	6.9%	0.9%
Xu WL-2018	43	15897	0.0027	[0.0020; 0.0036]	1.1%	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	0.0093	[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	0.0081	[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	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	8	327	0.0245	[0.0106; 0.0476]	0.0%	0.8%
Zhao JN-2017	10	10000	0.0010	[0.0005; 0.0018]	0.7%	0.9%
Zhen RD-2013	0	850	0.0000	[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%
Cai Y-2017	21	1842	0.0114	[0.0071; 0.0174]	0.1%	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%
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%

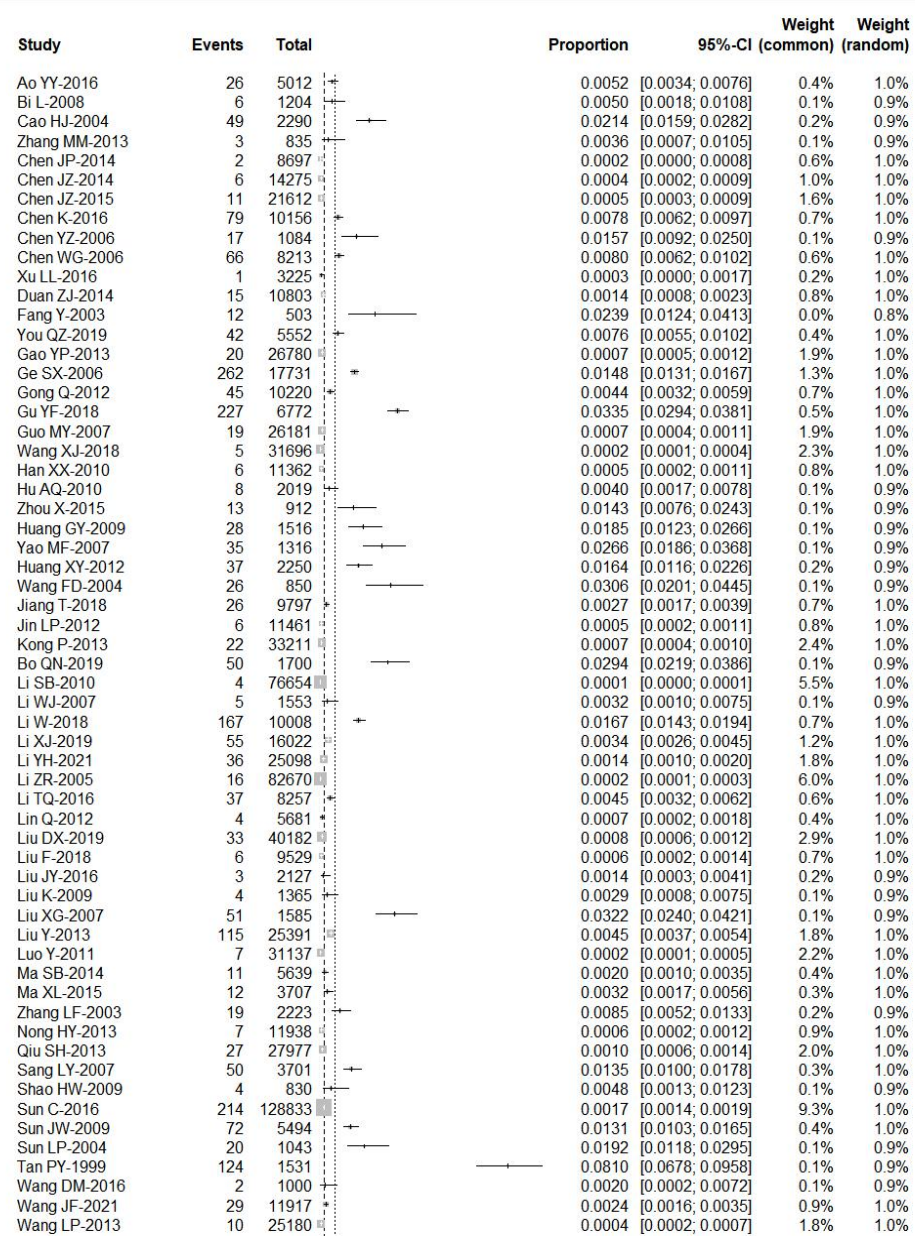


Fu P-2021	21	1864	0.0113	[0.0070; 0.0172]	0.1%	0.9%
Geng Y-2019	10	496	0.0202	[0.0097; 0.0368]	0.0%	0.8%
Gu G-2015	7	1491	0.0047	[0.0019; 0.0096]	0.1%	0.9%
Guo QS-2010	420	44816	0.0094	[0.0085; 0.0103]	3.2%	0.9%
Huang F-2015	15	388	0.0387	[0.0218; 0.0630]	0.0%	0.8%
Li H-2021	11	6269	0.0018	[0.0009; 0.0031]	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	**1386620**		**0.0017**	**[0.0017; 0.0018]**	**100.0%**	**--**
Random effects model			**0.0068**	**[0.0051; 0.0087]**	**--**	**100.0%**

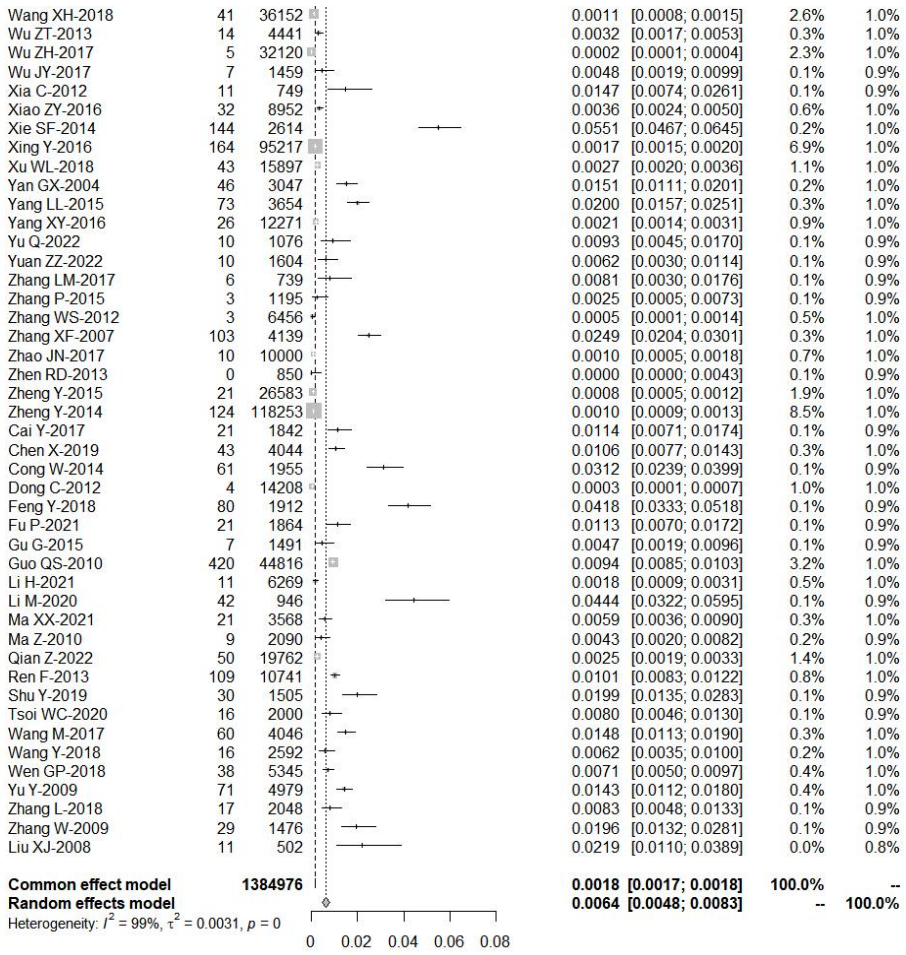
Heterogeneity: $I^2 = 98\%$, $\tau^2 = 0.0032$, $p = 0$

0 0.02 0.04 0.06 0.08

(3) Studies with sample sizes ≤ 300 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%	1.0%
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%	0.9%
Chen JP-2014	2	8697	0.0002	[0.0000; 0.0008]	0.6%	1.0%
Chen JZ-2014	6	14275	0.0004	[0.0002; 0.0009]	1.0%	1.0%
Chen JZ-2015	11	21612	0.0005	[0.0003; 0.0009]	1.6%	1.0%
Chen K-2016	79	10156	0.0078	[0.0062; 0.0097]	0.7%	1.0%
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%	1.0%
Xu LL-2016	1	3225	0.0003	[0.0000; 0.0017]	0.2%	1.0%
Duan ZJ-2014	15	10803	0.0014	[0.0008; 0.0023]	0.8%	1.0%
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%	1.0%
Gao YP-2013	20	26780	0.0007	[0.0005; 0.0012]	1.9%	1.0%
Ge SX-2006	262	17731	0.0148	[0.0131; 0.0167]	1.3%	1.0%
Gong Q-2012	45	10220	0.0044	[0.0032; 0.0059]	0.7%	1.0%
Gu YF-2018	227	6772	0.0335	[0.0294; 0.0381]	0.5%	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%
Han XX-2010	6	11362	0.0005	[0.0002; 0.0011]	0.8%	1.0%
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%	0.9%
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%	0.9%
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%
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 SB-2010	4	76654	0.0001	[0.0000; 0.0001]	5.5%	1.0%
Li WJ-2007	5	1553	0.0032	[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 YH-2021	36	25098	0.0014	[0.0010; 0.0020]	1.8%	1.0%
Li ZR-2005	16	82670	0.0002	[0.0001; 0.0003]	6.0%	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; 0.0018]	0.4%	1.0%
Liu DX-2019	33	40182	0.0008	[0.0006; 0.0012]	2.9%	1.0%
Liu F-2018	6	9529	0.0006	[0.0002; 0.0014]	0.7%	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	0.0002	[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	0.0032	[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	[0.0002; 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 C-2016	214	128833	0.0017	[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	0.0192	[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; 0.0072]	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%



(4) Studies with sample sizes ≤ 500 were excluded

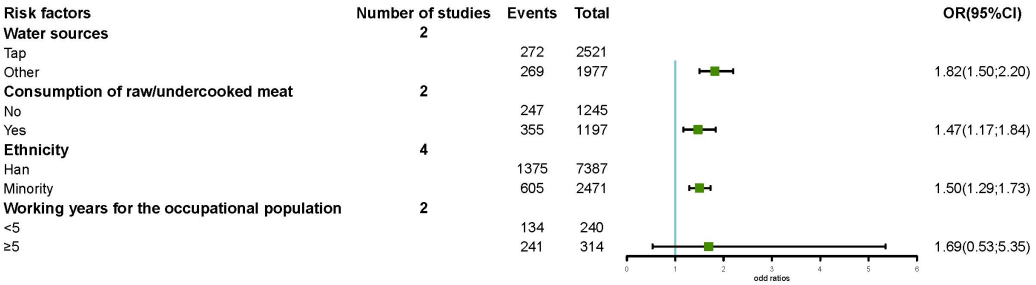


Figure 39. risk factors of anti-HEV IgG positive rate

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 regression		Multivariable regression		
	β (95%CI)	*P* value	β (95%CI)	*P* value	OR (95%CI)
Population					
The general population (reference)					
Occupational population[a]	0.0554 (0.0163, 0.0946)	0.0055 *			
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, 0.0006)	0.0535	
Volunteer blood donors	0.0402 (0.0134, 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, 0.0514)	0.0071 *	0.0583 (0.0282, 0.0884)	0.0001*	1.06 (1.03, 1.09)
Region_2					
Coastal provinces (reference)					
Inland regions	-0.0100 (-0.0321, 0.0122)	0.3788			
Region_3					
Other (reference)					
The west	-0.0259 (-0.0502, -0.0016)	0.0369			
Study period[a]					
1997-2000 (reference)					
2001-2005	-0.1747 (-0.2832, -0.0663)	0.0016 *			
2006-2011	-0.2148 (-0.3221, -0.1076)	<0.0001*			
2012-2017	-0.2034 (-0.3104, -0.0964)	0.0002 *			
2018-2022	-0.2175 (-0.3285, -0.1065)	0.0001 *			
Urban_rural distribution					
Rural (reference)					
Urban	-0.0142 (-0.0312, 0.0028)	0.1025			