Supplementary information to:

The global epidemiology of hepatitis E virus infection: a systematic review and meta-analysis

Supplementary Materials

Table of Contents

Supplementary file 1.

We systematically searched Embase.com, Medline Ovid, Web of science, Cochrane CENTRAL, Google scholar to identify studies providing prevalence rate of HEV.

Embase.com	3196	3123
Medline Ovid	2786	592
Web of science	1885	453
Cochrane CENTRAL	28	9
Google scholar	200	36
Total	8095	4213

The search terms used in different database were as follows:

Embase.com

('Hepatitis E virus'/de OR 'hepatitis E'/de OR 'hepatitis E antibody'/de OR 'hepatitis E antigen'/de OR ((Hepatitis NEAR/3 E) OR hev):ab,ti) AND ('epidemiological data'/de OR 'epidemiology'/de OR 'geographic distribution'/de OR incidence/exp OR 'patient volume'/de OR prevalence/exp OR 'infection rate'/de OR 'age distribution'/de OR seroepidemiology/de OR 'occupation'/de OR vocation/de OR specialization/de OR 'virus virulence'/de OR virulence/de OR geography/de OR 'occupational disease'/de OR 'occupational exposure'/de OR 'occupational health'/de OR 'occupational hazard'/de OR 'geographic names'/exp OR (epidemiolog* OR seroepidemiolog* OR ((geograph* OR global* OR age) NEAR/3 (distribut*)) OR incidenc* OR (patient* NEAR/3 volume*) OR prevalen* OR seroprevalen* OR (infection* NEAR/3 rate*) OR occupation* OR vocation* OR virulen* OR specialization* OR specialisation*):ab,ti) NOT (hepatitis-b-e NOT hepatitis-e) NOT ([animals]/lim NOT [humans]/lim) NOT ('case report'/de OR 'case report*':ti) NOT ([Conference Abstract]/lim) AND [english]/lim

Medline Ovid

(Hepatitis E virus/ OR Hepatitis E/ OR ((Hepatitis ADJ3 E) OR hev).ab,ti.) AND (Epidemiological Monitoring/ OR Epidemiology/ OR Epidemiology.fs. OR exp Incidence/ OR exp Prevalence/ OR Age Distribution/ OR Occupations/ OR Specialization/ OR Virulence/ OR Geography/ OR Occupational Diseases/ OR Occupational Exposure/ OR Occupational Health/ OR exp Geographic Locations/ OR (epidemiolog* OR seroepidemiolog* OR ((geograph* OR global* OR age) ADJ3 (distribut*)) OR incidenc* OR (patient* ADJ3 volume*) OR prevalen* OR seroprevalen* OR (infection* ADJ3 rate*) OR occupation* OR vocation* OR virulen* OR specialization* OR specialisation*).ab,ti.) NOT (hepatitis-b-e NOT hepatitis-e) NOT (exp animals/ NOT humans/) NOT (case report/ OR case report*.ti.) AND english.la.

Web of science

TS=((((Hepatitis NEAR/2 E) OR hev)) AND ((epidemiolog* OR seroepidemiolog* OR ((geograph* OR global* OR age) NEAR/2 (distribut*)) OR incidenc* OR (patient* NEAR/2 volume*) OR prevalen* OR seroprevalen* OR (infection* NEAR/2 rate*) OR occupation* OR vocation* OR virulen* ORspecialization* OR specialisation*)) NOT (hepatitis-b-e NOT hepatitis-e) NOT ((animal* OR rat OR rats OR mouse OR mice OR murine OR dog OR dogs OR canine OR cat OR cats OR feline OR rabbit OR cow OR cows OR bovine OR rodent* OR sheep OR ovine OR pig OR swine OR porcine OR veterinar* OR chick* OR zebrafish* OR baboon* OR nonhuman* OR primate* OR cattle* OR goose OR geese OR duck OR macaque* OR avian* OR bird* OR fish*) NOT (human* OR patient* OR women OR woman OR men OR man))) AND DT=(article) AND LA=(english) NOT TI=("case report*")

Cochrane CENTRAL

(((Hepatitis NEAR/3 E) OR hev):ab,ti) AND ((epidemiolog* OR seroepidemiolog* OR ((geograph* OR global* OR age) NEAR/3 (distribut*)) OR incidenc* OR (patient* NEAR/3 volume*) OR prevalen* OR seroprevalen* OR (infection* NEAR/3 rate*) OR occupation* OR vocation* OR virulen* OR specialization* OR specialisation*):ab,ti) NOT (hepatitis next b next e NOT hepatitis next e)

Google scholar

"HepatitisE" epidemiology|seroepidemiology|"geographic|global|age distribution"|incidence|"patient volume"|prevalence|seroprevalence|"infection rate"|occupational|virulence

Study selection criteria

Study population:

General population: blood donors, pregnant women, healthy people, hospital attendants

Occupational population: veterinarians, swine workers, slaughterhouse workers, pork sellers

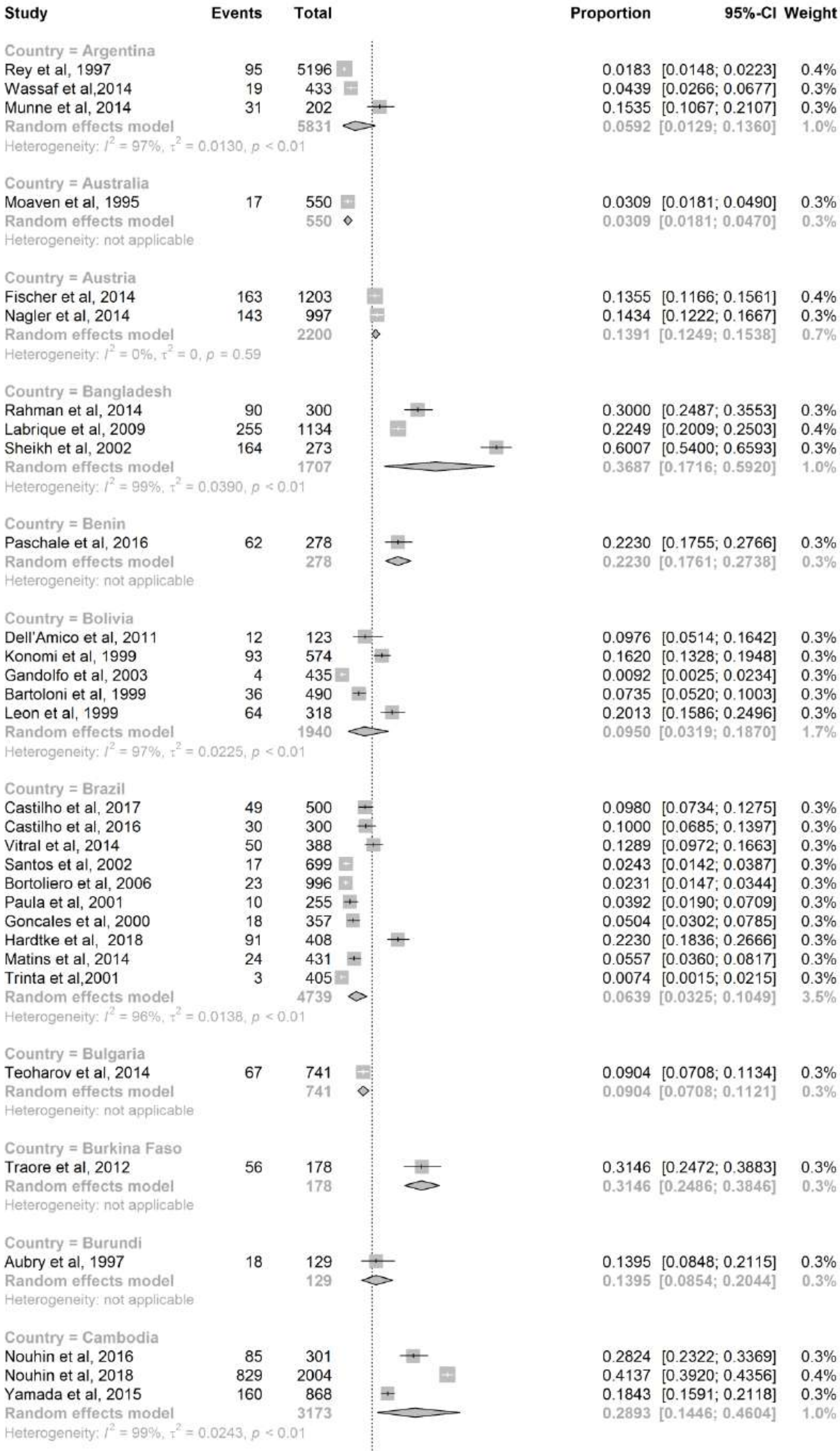
Special population: people suffering hemodialysis, people with acute hepatitis (hepatitis caused by hepatitis B virus or hepatitis C virus or unknown pathogen), HIV-infected population, transplant recipients (renal transplant, liver transplant, lung transplant, hear transplant, bone marrow transplant).

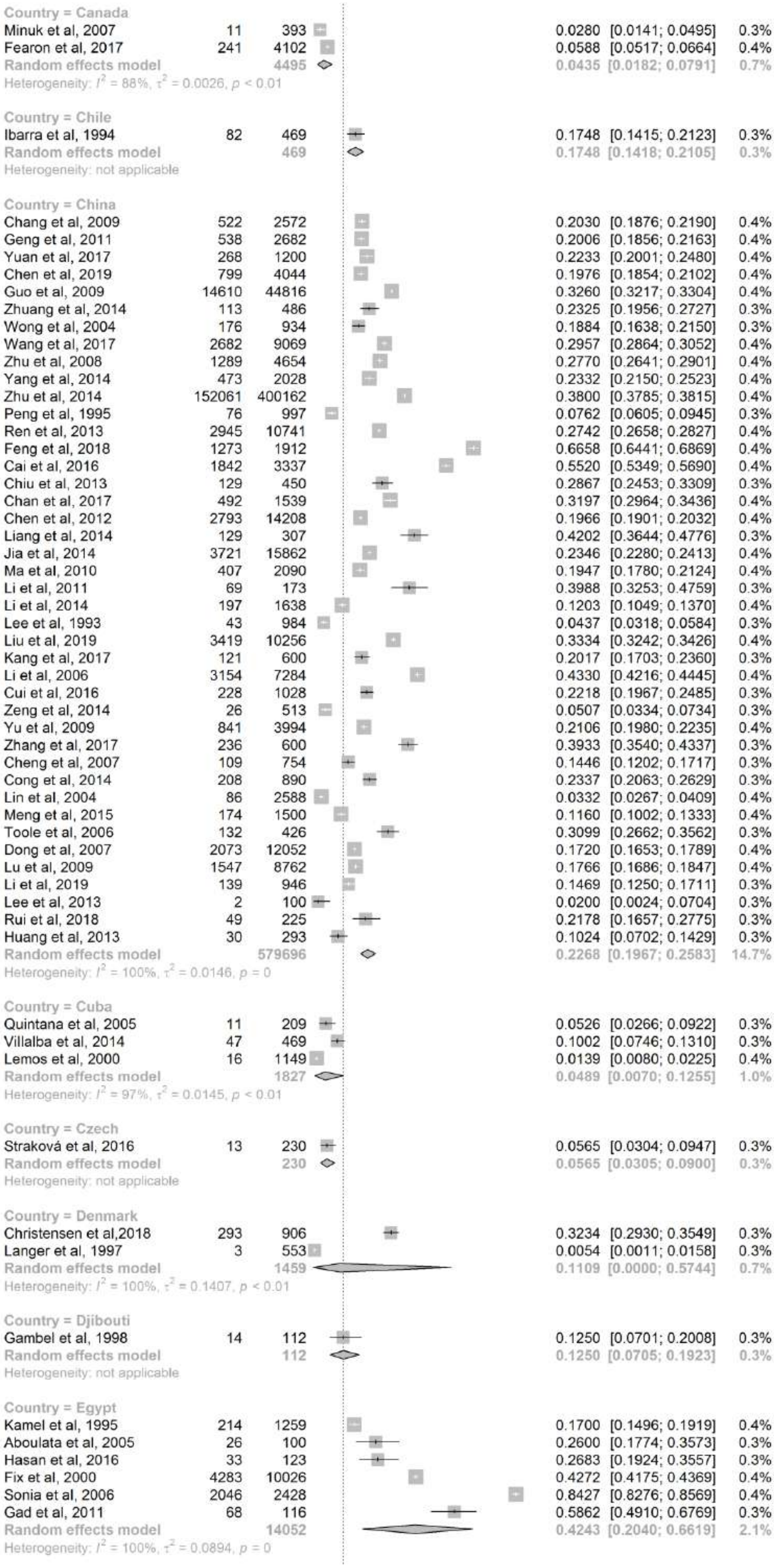
Study inclusion criteria: provide data related to prevalence of hepatitis E virus infection.

Study exclusion criteria: case reports, reviews, none-HEV studies, antiviral research of HEV, study of clinical drug effect, no primary data, outbreak, animal HEV studies, replicate data in same areas, study population below 50 for general population, study population below 50 for occupational and special population.

Figure S1. Forest plot of estimated pooled anti-HEV IgG seroprevalence among general population based on different countries.

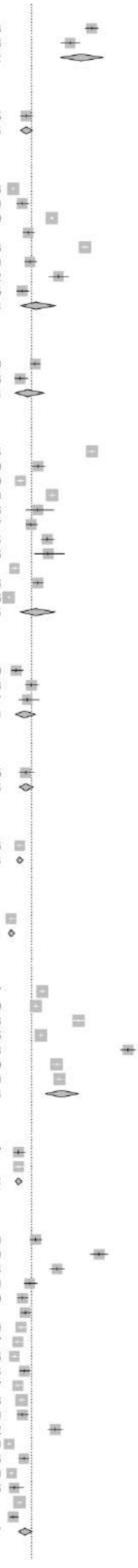
Note: country named multiple means people in the study are from more than one country. For example, Halliday et al, 2014 contained people from Papua New Guinea, Fiji, Kiribati; Baylis yet al, 2012 contained people from Sweden, Germany and USA.

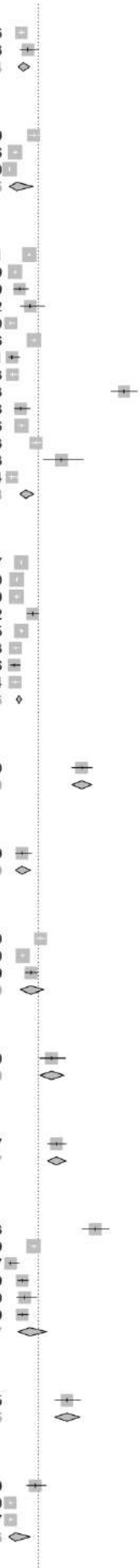




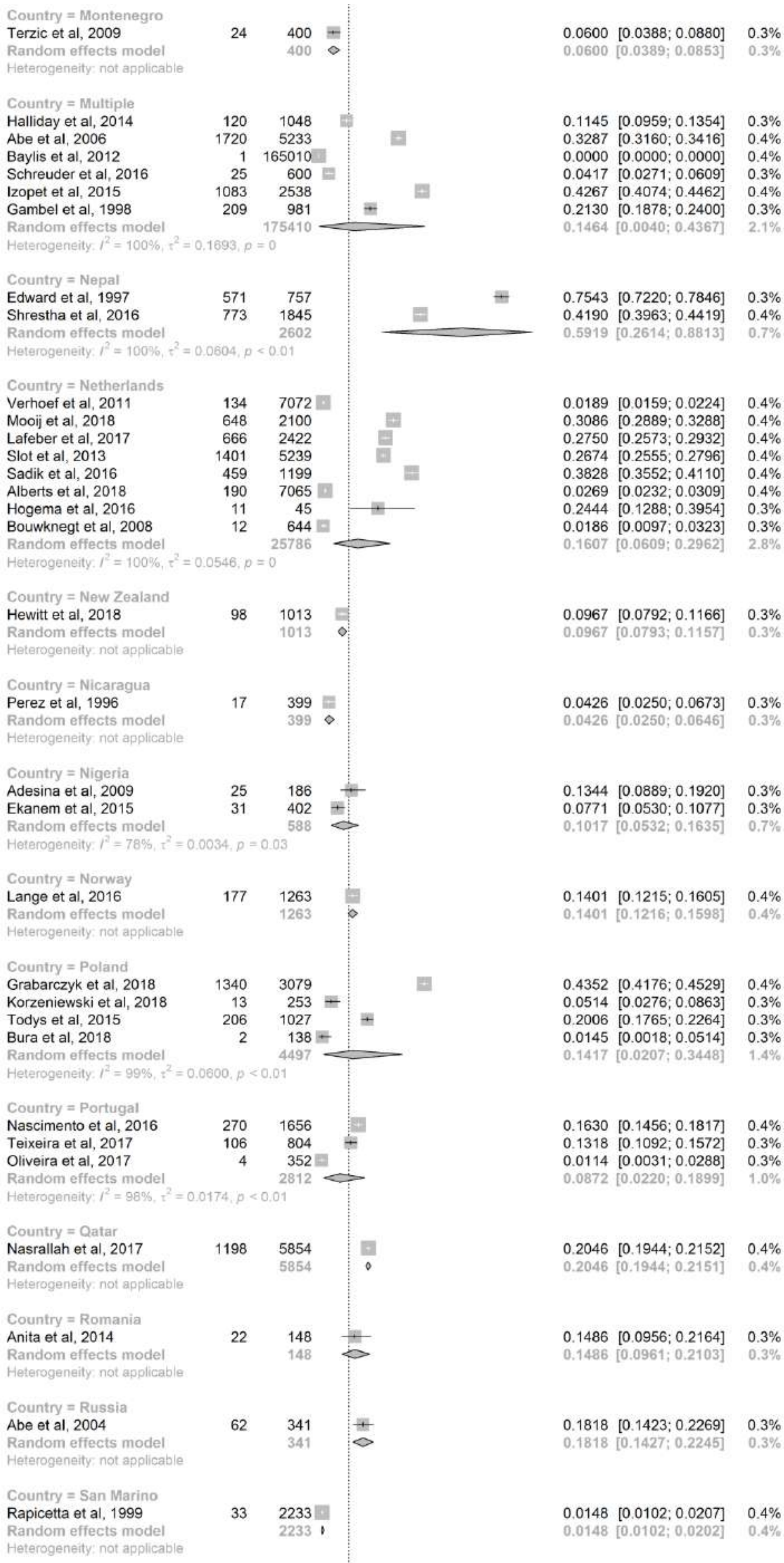
Country = Canada
Minuk et al, 2007 11 393 0.0280 [0.0141; 0.0495] 0.3%
Fearon et al, 2017 241 4102 0.0588 [0.0517; 0.0664] 0.4%
Random effects model 4495 0.0435 [0.0182; 0.0791] 0.7%
Heterogeneity: I^2 = 88%, τ^2 = 0.0026, p < 0.01
Country = Chile
Ibarra et al, 1994 82 469 0.1748 [0.1415; 0.2123] 0.3%
Random effects model 469 0.1748 [0.1418; 0.2105] 0.3%
Heterogeneity: not applicable
Country = China
Chang et al, 2009 522 2572 0.2030 [0.1876; 0.2190] 0.4%
Geng et al, 2011 538 2682 0.2006 [0.1856; 0.2163] 0.4%
Yuan et al, 2017 268 1200 0.2233 [0.2001; 0.2480] 0.4%
Chen et al, 2019 799 4044 0.1976 [0.1854; 0.2102] 0.4%
Guo et al, 2009 14610 44816 0.3260 [0.3217; 0.3304] 0.4%
Zhuang et al, 2014 113 486 0.2325 [0.1956; 0.2727] 0.3%
Wong et al, 2004 176 934 0.1884 [0.1638; 0.2150] 0.3%
Wang et al, 2017 2682 9069 0.2957 [0.2864; 0.3052] 0.4%
Zhu et al, 2008 1289 4654 0.2770 [0.2641; 0.2901] 0.4%
Yang et al, 2014 473 2028 0.2332 [0.2150; 0.2523] 0.4%
Zhu et al, 2014 152061 400162 0.3800 [0.3785; 0.3815] 0.4%
Peng et al, 1995 76 997 0.0762 [0.0605; 0.0945] 0.3%
Ren et al, 2013 2945 10741 0.2742 [0.2658; 0.2827] 0.4%
Feng et al, 2018 1273 1912 0.6658 [0.6441; 0.6869] 0.4%
Cai et al, 2016 1842 3337 0.5520 [0.5349; 0.5690] 0.4%
Chiu et al, 2013 129 450 0.2867 [0.2453; 0.3309] 0.3%
Chan et al, 2017 492 1539 0.3197 [0.2964; 0.3436] 0.4%
Chen et al, 2012 2793 14208 0.1966 [0.1901; 0.2032] 0.4%
Liang et al, 2014 129 307 0.4202 [0.3644; 0.4776] 0.3%
Jia et al, 2014 3721 15862 0.2346 [0.2280; 0.2413] 0.4%
Ma et al, 2010 407 2090 0.1947 [0.1780; 0.2124] 0.4%
Li et al, 2011 69 173 0.3988 [0.3253; 0.4759] 0.3%
Li et al, 2014 197 1638 0.1203 [0.1049; 0.1370] 0.4%
Lee et al, 1993 43 984 0.0437 [0.0318; 0.0584] 0.3%
Liu et al, 2019 3419 10256 0.3334 [0.3242; 0.3426] 0.4%
Kang et al, 2017 121 600 0.2017 [0.1703; 0.2360] 0.3%
Li et al, 2006 3154 7284 0.4330 [0.4216; 0.4445] 0.4%
Cui et al, 2016 228 1028 0.2218 [0.1967; 0.2485] 0.3%
Zeng et al, 2014 26 513 0.0507 [0.0334; 0.0734] 0.3%
Yu et al, 2009 841 3994 0.2106 [0.1980; 0.2235] 0.4%
Zhang et al, 2017 236 600 0.3933 [0.3540; 0.4337] 0.3%
Cheng et al, 2007 109 754 0.1446 [0.1202; 0.1717] 0.3%
Cong et al, 2014 208 890 0.2337 [0.2063; 0.2629] 0.3%
Lin et al, 2004 86 2588 0.0332 [0.0267; 0.0409] 0.4%
Meng et al, 2015 174 1500 0.1160 [0.1002; 0.1333] 0.4%
Toole et al, 2006 132 426 0.3099 [0.2662; 0.3562] 0.3%
Dong et al, 2007 2073 12052 0.1720 [0.1653; 0.1789] 0.4%
Lu et al, 2009 1547 8762 0.1766 [0.1686; 0.1847] 0.4%
Li et al, 2019 139 946 0.1469 [0.1250; 0.1711] 0.3%
Lee et al, 2013 2 100 0.0200 [0.0024; 0.0704] 0.3%
Rui et al, 2018 49 225 0.2178 [0.1657; 0.2775] 0.3%
Huang et al, 2013 30 293 0.1024 [0.0702; 0.1429] 0.3%
Random effects model 579696 0.2268 [0.1967; 0.2583] 14.7%
Heterogeneity: I^2 = 100%, τ^2 = 0.0146, p = 0
Country = Cuba
Quintana et al, 2005 11 209 0.0526 [0.0266; 0.0922] 0.3%
Villalba et al, 2014 47 469 0.1002 [0.0746; 0.1310] 0.3%
Lemos et al, 2000 16 1149 0.0139 [0.0080; 0.0225] 0.4%
Random effects model 1827 0.0489 [0.0070; 0.1255] 1.0%
Heterogeneity: I^2 = 97%, τ^2 = 0.0145, p < 0.01
Country = Czech
Straková et al, 2016 13 230 0.0565 [0.0304; 0.0947] 0.3%
Random effects model 230 0.0565 [0.0305; 0.0900] 0.3%
Heterogeneity: not applicable
Country = Denmark
Christensen et al,2018 293 906 0.3234 [0.2930; 0.3549] 0.3%
Langer et al, 1997 3 553 0.0054 [0.0011; 0.0158] 0.3%
Random effects model 1459 0.1109 [0.0000; 0.5744] 0.7%
Heterogeneity: I^2 = 100%, τ^2 = 0.1407, p < 0.01
Country = Djibouti
Gambel et al, 1998 14 112 0.1250 [0.0701; 0.2008] 0.3%
Random effects model 112 0.1250 [0.0705; 0.1923] 0.3%
Heterogeneity: not applicable
Country = Egypt
Kamel et al, 1995 214 1259 0.1700 [0.1496; 0.1919] 0.4%
Aboulata et al, 2005 26 100 0.2600 [0.1774; 0.3573] 0.3%
Hasan et al, 2016 33 123 0.2683 [0.1924; 0.3557] 0.3%
Fix et al, 2000 4283 10026 0.4272 [0.4175; 0.4369] 0.4%
Sonia et al, 2006 2046 2428 0.8427 [0.8276; 0.8569] 0.4%
Gad et al, 2011 68 116 0.5862 [0.4910; 0.6769] 0.3%
Random effects model 14052 0.4243 [0.2040; 0.6619] 2.1%
Heterogeneity: I^2 = 100%, τ^2 = 0.0894, p = 0

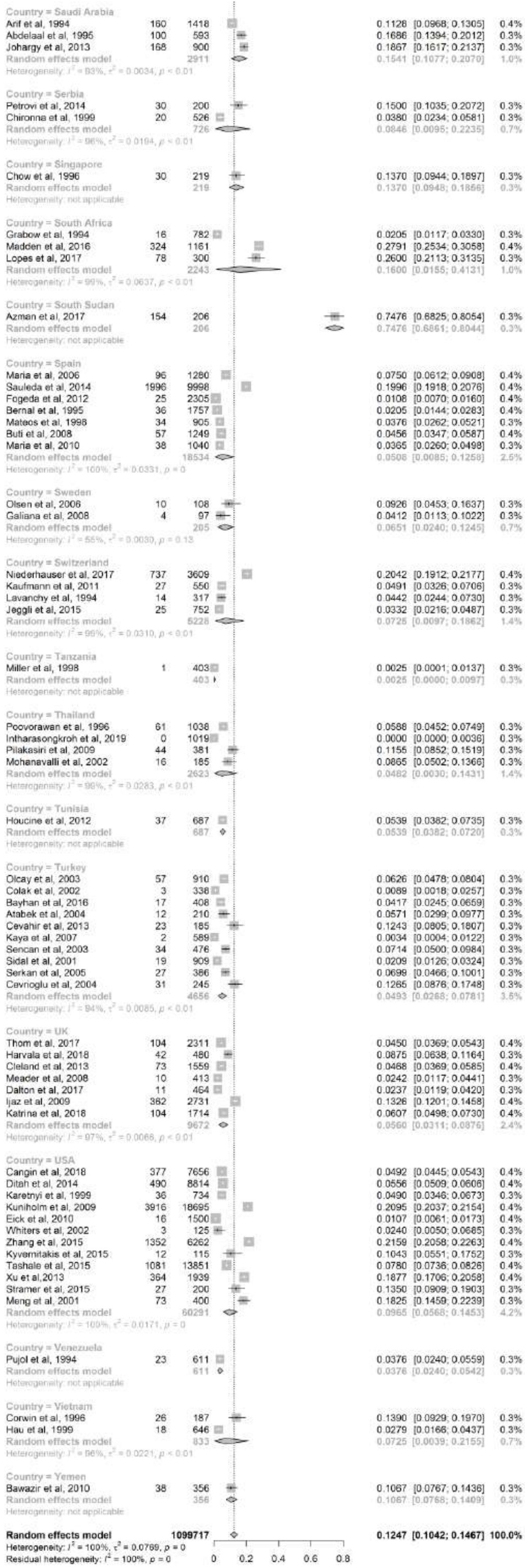
Study	Events	Total	Proportion [95% CI]	Weight
Country = Ethiopia				
Niguse et al, 2018	359	846	0.4243 [0.3908; 0.4585]	0.3%
Abebe et al, 2017	122	386	0.3161 [0.2700; 0.3650]	0.3%
Random effects model		1232	0.3709 [0.2685; 0.4795]	0.7%
Heterogeneity: I^2 = 93%, τ^2 = 0.0058, p < 0.01				
Country = Finland				
Kantala et al, 2015	37	385	0.0961 [0.0686; 0.1300]	0.3%
Random effects model		385	0.0961 [0.0687; 0.1275]	0.3%
Heterogeneity: not applicable				
Country = France				
Boutrouille et al, 2007	64	1998	0.0320 [0.0248; 0.0407]	0.4%
Dimeglio et al, 2018	23	300	0.0767 [0.0492; 0.1128]	0.3%
Mansuy et al, 2016	2371	10569	0.2243 [0.2164; 0.2324]	0.4%
Mansuy et al, 2004	46	431	0.1067 [0.0792; 0.1398]	0.3%
Mansuy et al, 2015	1310	3353	0.3907 [0.3741; 0.4074]	0.4%
Kaba et al, 2010	57	490	0.1163 [0.0893; 0.1481]	0.3%
Chaussade et al, 2013	83	322	0.2578 [0.2109; 0.3092]	0.3%
Christophe et al, 2004	24	315	0.0762 [0.0494; 0.1112]	0.3%
Random effects model		17778	0.1451 [0.0680; 0.2449]	2.8%
Heterogeneity: I^2 = 100%, τ^2 = 0.0331, p < 0.01				
Country = Gabon				
Caron et al, 2008	119	840	0.1417 [0.1188; 0.1671]	0.3%
Caron et al, 2012	16	243	0.0658 [0.0381; 0.1047]	0.3%
Random effects model		1083	0.1023 [0.0402; 0.1887]	0.7%
Heterogeneity: I^2 = 92%, τ^2 = 0.0073, p < 0.01				
Country = Germany				
Wenzel et al, 2014	929	2184	0.4254 [0.4045; 0.4464]	0.4%
Juhl et al, 2017	70	449	0.1559 [0.1236; 0.1928]	0.3%
Juhl et al, 2014	69	1019	0.0677 [0.0531; 0.0849]	0.3%
Mahrt et al, 2018	679	3000	0.2263 [0.2115; 0.2417]	0.4%
Krumbholz et al, 2011	18	116	0.1552 [0.0946; 0.2341]	0.3%
Krumbholz et al, 2014	65	537	0.1210 [0.0947; 0.1517]	0.3%
Jablonka et al, 2017	122	604	0.2020 [0.1707; 0.2363]	0.3%
Schielke et al, 2015	26	126	0.2063 [0.1394; 0.2875]	0.3%
Nübling et al, 2002	20	511	0.0391 [0.0241; 0.0598]	0.3%
Dremsek et al, 2012	132	853	0.1547 [0.1311; 0.1808]	0.3%
Krumbholz et al, 2014	16	1646	0.0097 [0.0056; 0.0157]	0.4%
Random effects model		11045	0.1435 [0.0669; 0.2430]	3.8%
Heterogeneity: I^2 = 99%, τ^2 = 0.0455, p = 0				
Country = Ghana				
Meldal et al, 2013	11	239	0.0460 [0.0232; 0.0809]	0.3%
Dorcas et al, 2018	48	393	0.1221 [0.0914; 0.1587]	0.3%
Adjei et al, 2009	16	157	0.1019 [0.0594; 0.1602]	0.3%
Random effects model		789	0.0874 [0.0439; 0.1438]	1.0%
Heterogeneity: I^2 = 83%, τ^2 = 0.0051, p < 0.01				
Country = Greece				
Pittaras et al, 2014	25	265	0.0943 [0.0620; 0.1361]	0.3%
Random effects model		265	0.0943 [0.0622; 0.1324]	0.3%
Heterogeneity: not applicable				
Country = Guyana				
Talarmin et al, 1997	64	996	0.0643 [0.0498; 0.0813]	0.3%
Random effects model		996	0.0643 [0.0499; 0.0803]	0.3%
Heterogeneity: not applicable				
Country = Iceland				
Love et al, 2018	6	291	0.0206 [0.0076; 0.0443]	0.3%
Random effects model		291	0.0206 [0.0075; 0.0401]	0.3%
Heterogeneity: not applicable				
Country = India				
Tripathy et al, 2018	433	2447	0.1770 [0.1620; 0.1927]	0.4%
Vivek et al, 2010	330	2279	0.1448 [0.1306; 0.1599]	0.4%
Amarapurkar et al, 2008	416	1163	0.3577 [0.3301; 0.3860]	0.4%
Kotwal et al, 2014	712	4175	0.1705 [0.1592; 0.1823]	0.4%
Katiyar et al, 2018	383	633	0.6051 [0.5658; 0.6434]	0.3%
Pathak et al, 2018	341	1369	0.2491 [0.2264; 0.2729]	0.4%
Mathur et al, 2001	545	2070	0.2633 [0.2444; 0.2828]	0.4%
Random effects model		14136	0.2715 [0.1931; 0.3578]	2.5%
Heterogeneity: I^2 = 99%, τ^2 = 0.0156, p < 0.01				
Country = Indonesia				
Widasari et al, 2013	16	277	0.0578 [0.0334; 0.0921]	0.3%
Achwan et al, 2007	34	581	0.0585 [0.0409; 0.0808]	0.3%
Random effects model		858	0.0583 [0.0436; 0.0749]	0.7%
Heterogeneity: I^2 = 0%, τ^2 = 0, p = 0.96				
Country = Iran				
Hassan et al, 2013	76	530	0.1434 [0.1147; 0.1762]	0.3%
Fatemeh et al, 2014	235	510	0.4608 [0.4169; 0.5051]	0.3%
Azarkar et al, 2017	139	554	0.2509 [0.2153; 0.2892]	0.3%
Assarehzadegan et al, 2007	46	400	0.1150 [0.0854; 0.1504]	0.3%
Taremi et al, 2007	31	399	0.0777 [0.0534; 0.1085]	0.3%
Mohebbi et al, 2012	51	551	0.0926 [0.0697; 0.1199]	0.3%
Parsa et al, 2016	50	700	0.0714 [0.0535; 0.0931]	0.3%
Jahromi et al, 2013	26	477	0.0545 [0.0359; 0.0788]	0.3%
Ataei et al, 2007	31	816	0.0380 [0.0260; 0.0535]	0.3%
Hesamizadeh et al, 2015	45	514	0.0875 [0.0646; 0.1154]	0.3%
Jahromi et al, 2013	26	477	0.0545 [0.0359; 0.0788]	0.3%
Sepanlou et al, 2010	105	1423	0.0738 [0.0607; 0.0886]	0.4%
Raoofi et al, 2012	31	400	0.0775 [0.0533; 0.1082]	0.3%
Jahanbakhsh et al, 2017	136	562	0.2420 [0.2071; 0.2796]	0.3%
Ghorbani et al, 2007	9	800	0.0112 [0.0052; 0.0212]	0.3%
Shamsizadeh et al, 2009	48	566	0.0848 [0.0632; 0.1109]	0.3%
Saffar et al, 2009	25	1080	0.0231 [0.0150; 0.0340]	0.3%
Zakieh et al, 2013	5	136	0.0368 [0.0120; 0.0837]	0.3%
Farshadpour et al, 2018	83	1331	0.0624 [0.0500; 0.0767]	0.4%
Alizadeh et al, 2016	10	321	0.0312 [0.0150; 0.0565]	0.3%
Random effects model		12547	0.0898 [0.0574; 0.1286]	7.0%
Heterogeneity: I^2 = 98%, τ^2 = 0.0197, p < 0.01				





Study	Events	Total	Proportion [95% CI]	Weight
Country = Ireland				
O'Riordan et al, 2016	57	1076	0.0530 [0.0404; 0.0681]	0.3%
Hickey et al, 2016	16	198	0.0808 [0.0469; 0.1279]	0.3%
Random effects model		1274	0.0617 [0.0392; 0.0890]	0.7%
Heterogeneity: $I^2 = 52\%$, $\tau^2 = 0.0008$, $p = 0.15$				
Country = Israel				
Mor et al, 2015	77	729	0.1056 [0.0843; 0.1302]	0.3%
Karetny et al, 1995	37	1416	0.0261 [0.0185; 0.0358]	0.4%
Lachish et al, 2013	19	4970	0.0038 [0.0023; 0.0060]	0.4%
Random effects model		7115	0.0336 [0.0019; 0.1022]	1.1%
Heterogeneity: $I^2 = 99\%$, $\tau^2 = 0.0154$, $p < 0.01$				
Country = Italy				
Spada et al, 2018	869	10011	0.0868 [0.0814; 0.0925]	0.4%
Gessoni et al, 1996	49	1889	0.0259 [0.0193; 0.0341]	0.4%
Ricco et al, 2016	9	199	0.0452 [0.0209; 0.0841]	0.3%
Puttini et al, 2015	12	132	0.0909 [0.0479; 0.1534]	0.3%
Pavia et al, 1998	3	360	0.0083 [0.0017; 0.0242]	0.3%
Zuin et al, 2016	380	3546	0.1072 [0.0972; 0.1178]	0.4%
Scotto et al, 2012	2	151	0.0132 [0.0016; 0.0470]	0.3%
Sabato et al, 2017	4	253	0.0158 [0.0043; 0.0400]	0.3%
Lucarelli et al, 2016	153	313	0.4888 [0.4322; 0.5457]	0.3%
Marcantonio et al, 2018	10	198	0.0505 [0.0245; 0.0909]	0.3%
Lanini et al, 2015	60	1116	0.0538 [0.0413; 0.0687]	0.4%
Rapicetta et al,1999	113	973	0.1161 [0.0967; 0.1380]	0.3%
Tabili et al, 2013	23	103	0.2233 [0.1471; 0.3160]	0.3%
Alecci et al, 1997	3	244	0.0123 [0.0025; 0.0355]	0.3%
Random effects model		19488	0.0728 [0.0454; 0.1060]	4.9%
Heterogeneity: $I^2 = 98\%$, $\tau^2 = 0.0116$, $p < 0.01$				
Country = Japan				
Takahashi et al, 2010	1167	22027	0.0530 [0.0501; 0.0560]	0.4%
Takeda et al, 2010	431	12600	0.0342 [0.0311; 0.0375]	0.4%
Sakata et al, 2008	45	1389	0.0324 [0.0237; 0.0431]	0.4%
Toyoda et al, 2008	60	592	0.1014 [0.0782; 0.1285]	0.3%
Fukuda et al, 2007	168	3185	0.0527 [0.0452; 0.0611]	0.4%
Ding et al, 2003	15	533	0.0281 [0.0158; 0.0460]	0.3%
Mitsui et al, 2005	6	266	0.0226 [0.0083; 0.0484]	0.3%
Goto et al, 2006	9	344	0.0262 [0.0120; 0.0491]	0.3%
Random effects model		40936	0.0426 [0.0327; 0.0537]	2.8%
Heterogeneity: $I^2 = 94\%$, $\tau^2 = 0.0011$, $p < 0.01$				
Country = Jordan				
Mohammad et al, 2017	139	450	0.3089 [0.2665; 0.3538]	0.3%
Random effects model		450	0.3089 [0.2671; 0.3523]	0.3%
Heterogeneity: not applicable				
Country = Kazakhstan				
Cainelli et al, 2018	11	199	0.0553 [0.0279; 0.0968]	0.3%
Random effects model		199	0.0553 [0.0279; 0.0912]	0.3%
Heterogeneity: not applicable				
Country = Korea				
Ahn et al, 2005	138	1030	0.1340 [0.1138; 0.1563]	0.3%
Yoon et al, 2014	144	2450	0.0588 [0.0498; 0.0688]	0.4%
Yun et al, 2011	46	489	0.0941 [0.0697; 0.1235]	0.3%
Random effects model		3969	0.0930 [0.0487; 0.1496]	1.0%
Heterogeneity: $I^2 = 96\%$, $\tau^2 = 0.0057$, $p < 0.01$				
Country = Laos				
Khounvisith et al, 2018	38	210	0.1810 [0.1313; 0.2398]	0.3%
Random effects model		210	0.1810 [0.1320; 0.2358]	0.3%
Heterogeneity: not applicable				
Country = Malawi				
Taha et al, 2015	80	397	0.2015 [0.1631; 0.2444]	0.3%
Random effects model		397	0.2015 [0.1636; 0.2423]	0.3%
Heterogeneity: not applicable				
Country = Mexico				
Esquivel et al, 2014	100	273	0.3663 [0.3090; 0.4265]	0.3%
Munoz et al, 1999	374	3549	0.1054 [0.0955; 0.1160]	0.4%
Héctor et al, 2017	1	127	0.0079 [0.0002; 0.0431]	0.3%
Cosme et al, 2014	25	439	0.0569 [0.0372; 0.0829]	0.3%
Esquivel et al, 2015	10	150	0.0667 [0.0324; 0.1192]	0.3%
Esquivel et al, 2015	25	439	0.0569 [0.0372; 0.0829]	0.3%
Random effects model		4977	0.0897 [0.0375; 0.1614]	2.1%
Heterogeneity: $I^2 = 97\%$, $\tau^2 = 0.0177$, $p < 0.01$				
Country = Moldova				
Drobeniuc et al, 2001	63	255	0.2471 [0.1954; 0.3047]	0.3%
Random effects model		255	0.2471 [0.1962; 0.3018]	0.3%
Heterogeneity: not applicable				
Country = Mongolia				
Takahashi et al, 2004	28	249	0.1124 [0.0760; 0.1584]	0.3%
Davaalkham et al, 2009	3	520	0.0058 [0.0012; 0.0168]	0.3%
Bira et al, 2007	5	717	0.0070 [0.0023; 0.0162]	0.3%
Random effects model		1486	0.0270 [0.0006; 0.0908]	1.0%
Heterogeneity: $I^2 = 96\%$, $\tau^2 = 0.0149$, $p < 0.01$				

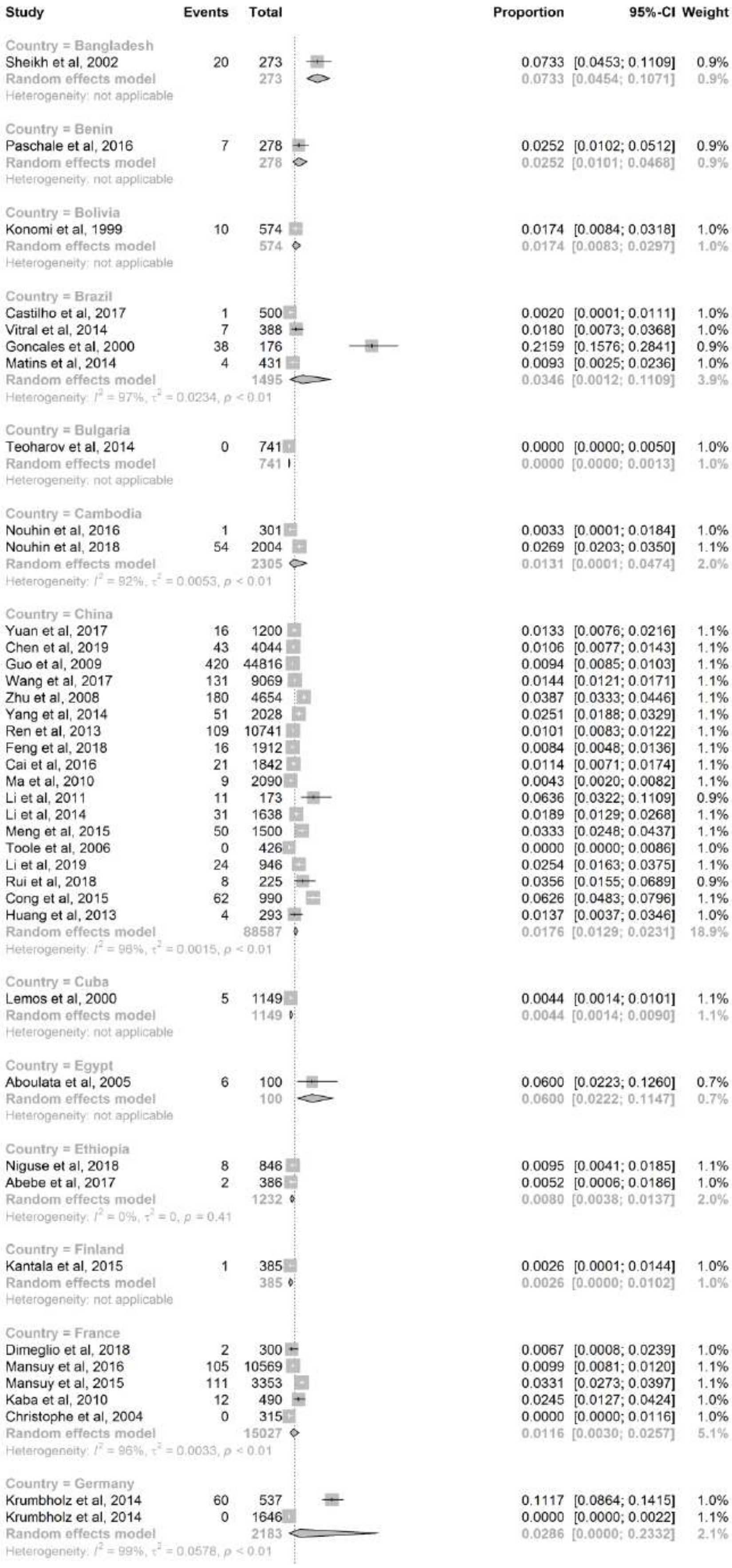

Country = Montenegro
Terzic et al, 2009 24 400 0.0600 [0.0388; 0.0880] 0.3%
Random effects model 400 0.0600 [0.0389; 0.0853] 0.3%
Heterogeneity: not applicable
Country = Multiple
Halliday et al, 2014 120 1048 0.1145 [0.0959; 0.1354] 0.3%
Abe et al, 2006 1720 5233 0.3287 [0.3160; 0.3416] 0.4%
Baylis et al, 2012 1 165010 0.0000 [0.0000; 0.0000] 0.4%
Schreuder et al, 2016 25 600 0.0417 [0.0271; 0.0609] 0.3%
Izopet et al, 2015 1083 2538 0.4267 [0.4074; 0.4462] 0.4%
Gambel et al, 1998 209 981 0.2130 [0.1878; 0.2400] 0.3%
Random effects model 175410 0.1464 [0.0040; 0.4367] 2.1%
Heterogeneity: I^2 = 100%, τ^2 = 0.1693, p = 0
Country = Nepal
Edward et al, 1997 571 757 0.7543 [0.7220; 0.7846] 0.3%
Shrestha et al, 2016 773 1845 0.4190 [0.3963; 0.4419] 0.4%
Random effects model 2602 0.5919 [0.2614; 0.8813] 0.7%
Heterogeneity: I^2 = 100%, τ^2 = 0.0604, p < 0.01
Country = Netherlands
Verhoef et al, 2011 134 7072 0.0189 [0.0159; 0.0224] 0.4%
Mooij et al, 2018 648 2100 0.3086 [0.2889; 0.3288] 0.4%
Lafeber et al, 2017 666 2422 0.2750 [0.2573; 0.2932] 0.4%
Slot et al, 2013 1401 5239 0.2674 [0.2555; 0.2796] 0.4%
Sadik et al, 2016 459 1199 0.3828 [0.3552; 0.4110] 0.4%
Alberts et al, 2018 190 7065 0.0269 [0.0232; 0.0309] 0.4%
Hogema et al, 2016 11 45 0.2444 [0.1288; 0.3954] 0.3%
Bouwknegt et al, 2008 12 644 0.0186 [0.0097; 0.0323] 0.3%
Random effects model 25786 0.1607 [0.0609; 0.2962] 2.8%
Heterogeneity: I^2 = 100%, τ^2 = 0.0546, p = 0
Country = New Zealand
Hewitt et al, 2018 98 1013 0.0967 [0.0792; 0.1166] 0.3%
Random effects model 1013 0.0967 [0.0793; 0.1157] 0.3%
Heterogeneity: not applicable
Country = Nicaragua
Perez et al, 1996 17 399 0.0426 [0.0250; 0.0673] 0.3%
Random effects model 399 0.0426 [0.0250; 0.0646] 0.3%
Heterogeneity: not applicable
Country = Nigeria
Adesina et al, 2009 25 186 0.1344 [0.0889; 0.1920] 0.3%
Ekanem et al, 2015 31 402 0.0771 [0.0530; 0.1077] 0.3%
Random effects model 588 0.1017 [0.0532; 0.1635] 0.7%
Heterogeneity: I^2 = 78%, τ^2 = 0.0034, p = 0.03
Country = Norway
Lange et al, 2016 177 1263 0.1401 [0.1215; 0.1605] 0.4%
Random effects model 1263 0.1401 [0.1216; 0.1598] 0.4%
Heterogeneity: not applicable
Country = Poland
Grabarczyk et al, 2018 1340 3079 0.4352 [0.4176; 0.4529] 0.4%
Korzeniewski et al, 2018 13 253 0.0514 [0.0276; 0.0863] 0.3%
Todys et al, 2015 206 1027 0.2006 [0.1765; 0.2264] 0.3%
Bura et al, 2018 2 138 0.0145 [0.0018; 0.0514] 0.3%
Random effects model 4497 0.1417 [0.0207; 0.3448] 1.4%
Heterogeneity: I^2 = 99%, τ^2 = 0.0600, p < 0.01
Country = Portugal
Nascimento et al, 2016 270 1656 0.1630 [0.1456; 0.1817] 0.4%
Teixeira et al, 2017 106 804 0.1318 [0.1092; 0.1572] 0.3%
Oliveira et al, 2017 4 352 0.0114 [0.0031; 0.0288] 0.3%
Random effects model 2812 0.0872 [0.0220; 0.1899] 1.0%
Heterogeneity: I^2 = 98%, τ^2 = 0.0174, p < 0.01
Country = Qatar
Nasrallah et al, 2017 1198 5854 0.2046 [0.1944; 0.2152] 0.4%
Random effects model 5854 0.2046 [0.1944; 0.2151] 0.4%
Heterogeneity: not applicable
Country = Romania
Anita et al, 2014 22 148 0.1486 [0.0956; 0.2164] 0.3%
Random effects model 148 0.1486 [0.0961; 0.2103] 0.3%
Heterogeneity: not applicable
Country = Russia
Abe et al, 2004 62 341 0.1818 [0.1423; 0.2269] 0.3%
Random effects model 341 0.1818 [0.1427; 0.2245] 0.3%
Heterogeneity: not applicable
Country = San Marino
Rapicetta et al, 1999 33 2233 0.0148 [0.0102; 0.0207] 0.4%
Random effects model 2233 0.0148 [0.0102; 0.0202] 0.4%
Heterogeneity: not applicable

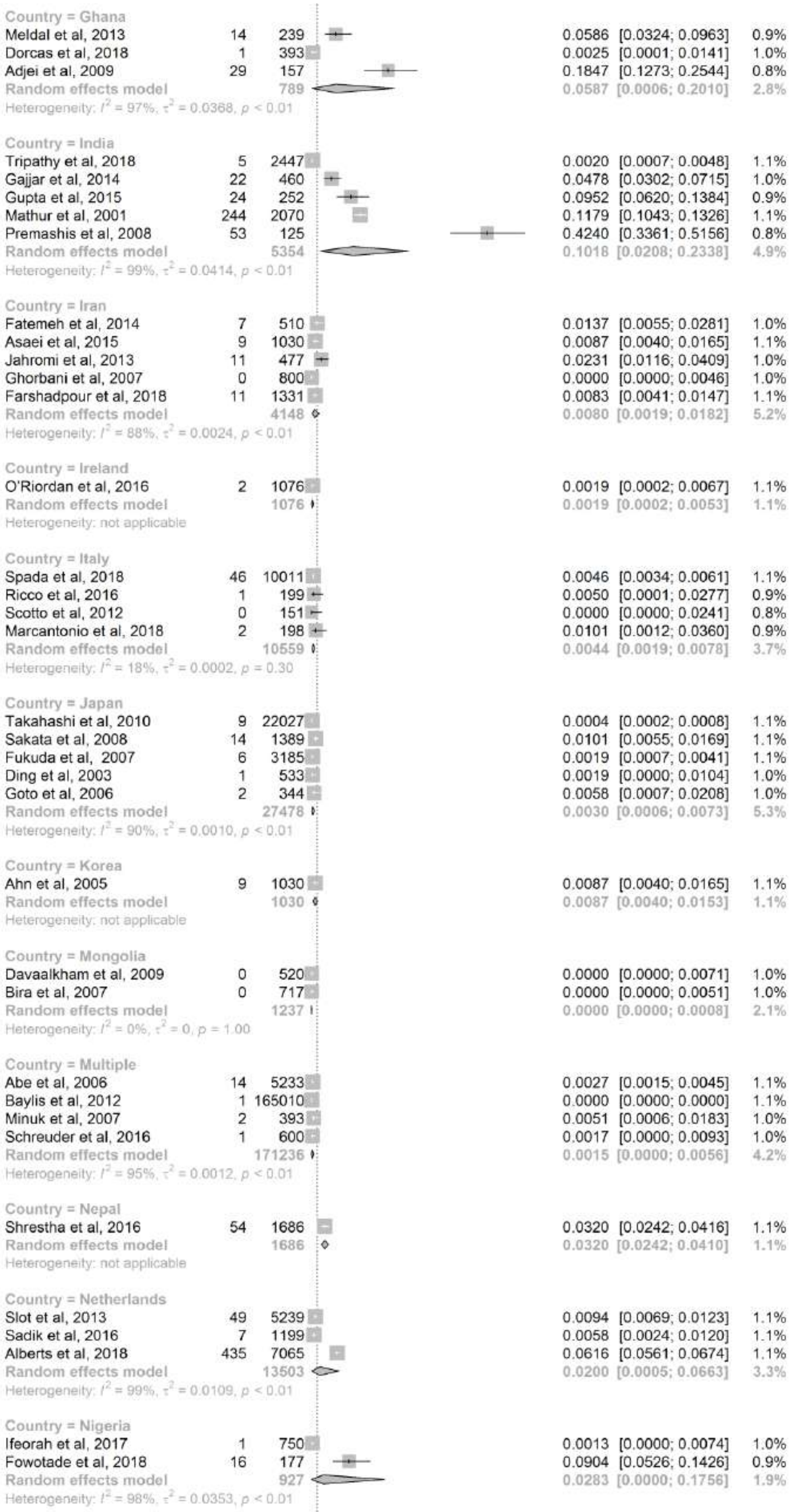


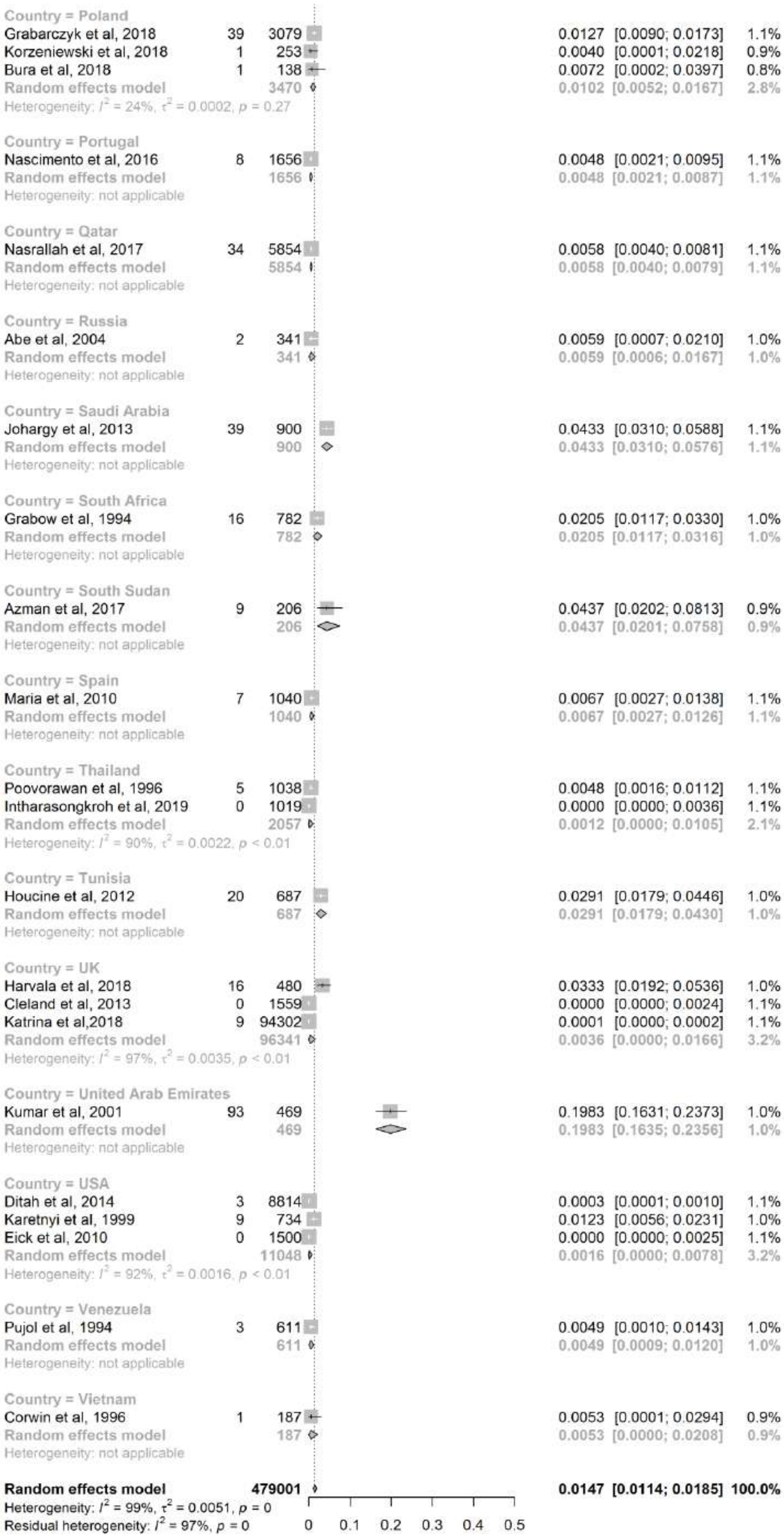
Country = Saudi Arabia
Arif et al, 1994 160 1418 0.1128 [0.0968; 0.1305] 0.4%
Abdelaal et al, 1995 100 593 0.1686 [0.1394; 0.2012] 0.3%
Johargy et al, 2013 168 900 0.1867 [0.1617; 0.2137] 0.3%
Random effects model 2911 0.1541 [0.1077; 0.2070] 1.0%
Heterogeneity: I^2 = 83%, τ^2 = 0.0034, p < 0.01
Country = Serbia
Petrovi et al, 2014 30 200 0.1500 [0.1035; 0.2072] 0.3%
Chironna et al, 1999 20 526 0.0380 [0.0234; 0.0581] 0.3%
Random effects model 726 0.0846 [0.0095; 0.2235] 0.7%
Heterogeneity: I^2 = 96%, τ^2 = 0.0194, p < 0.01
Country = Singapore
Chow et al, 1996 30 219 0.1370 [0.0944; 0.1897] 0.3%
Random effects model 219 0.1370 [0.0948; 0.1866] 0.3%
Heterogeneity: not applicable
Country = South Africa
Grabow et al, 1994 16 782 0.0205 [0.0117; 0.0330] 0.3%
Madden et al, 2016 324 1161 0.2791 [0.2534; 0.3058] 0.4%
Lopes et al, 2017 78 300 0.2600 [0.2113; 0.3135] 0.3%
Random effects model 2243 0.1600 [0.0155; 0.4131] 1.0%
Heterogeneity: I^2 = 99%, τ^2 = 0.0637, p < 0.01
Country = South Sudan
Azman et al, 2017 154 206 0.7476 [0.6825; 0.8054] 0.3%
Random effects model 206 0.7476 [0.6861; 0.8044] 0.3%
Heterogeneity: not applicable
Country = Spain
Maria et al, 2006 96 1280 0.0750 [0.0612; 0.0908] 0.4%
Sauleda et al, 2014 1996 9998 0.1996 [0.1918; 0.2076] 0.4%
Fogeda et al, 2012 25 2305 0.0108 [0.0070; 0.0160] 0.4%
Bernal et al, 1995 36 1757 0.0205 [0.0144; 0.0283] 0.4%
Mateos et al, 1998 34 905 0.0376 [0.0262; 0.0521] 0.3%
Buti et al, 2008 57 1249 0.0456 [0.0347; 0.0587] 0.4%
Maria et al, 2010 38 1040 0.0365 [0.0260; 0.0498] 0.3%
Random effects model 18534 0.0506 [0.0085; 0.1258] 2.5%
Heterogeneity: I^2 = 100%, τ^2 = 0.0331, p = 0
Country = Sweden
Olsen et al, 2006 10 108 0.0926 [0.0453; 0.1637] 0.3%
Galiana et al, 2008 4 97 0.0412 [0.0113; 0.1022] 0.3%
Random effects model 205 0.0651 [0.0240; 0.1245] 0.7%
Heterogeneity: I^2 = 55%, τ^2 = 0.0030, p = 0.13
Country = Switzerland
Niederhauser et al, 2017 737 3609 0.2042 [0.1912; 0.2177] 0.4%
Kaufmann et al, 2011 27 550 0.0491 [0.0326; 0.0706] 0.3%
Lavanchy et al, 1994 14 317 0.0442 [0.0244; 0.0730] 0.3%
Jeggli et al, 2015 25 752 0.0332 [0.0216; 0.0487] 0.3%
Random effects model 5228 0.0725 [0.0097; 0.1862] 1.4%
Heterogeneity: I^2 = 99%, τ^2 = 0.0310, p < 0.01
Country = Tanzania
Miller et al, 1998 1 403 0.0025 [0.0001; 0.0137] 0.3%
Random effects model 403 0.0025 [0.0000; 0.0097] 0.3%
Heterogeneity: not applicable
Country = Thailand
Poovorawan et al, 1996 61 1038 0.0588 [0.0452; 0.0749] 0.3%
Intharasongkroh et al, 2019 0 1019 0.0000 [0.0000; 0.0036] 0.3%
Pilakasiri et al, 2009 44 381 0.1155 [0.0852; 0.1519] 0.3%
Mohanavalli et al, 2002 16 185 0.0865 [0.0502; 0.1366] 0.3%
Random effects model 2623 0.0482 [0.0030; 0.1431] 1.4%
Heterogeneity: I^2 = 98%, τ^2 = 0.0283, p < 0.01
Country = Tunisia
Houcine et al, 2012 37 687 0.0539 [0.0382; 0.0735] 0.3%
Random effects model 687 0.0539 [0.0382; 0.0720] 0.3%
Heterogeneity: not applicable
Country = Turkey
Olcay et al, 2003 57 910 0.0626 [0.0478; 0.0804] 0.3%
Colak et al, 2002 3 338 0.0089 [0.0018; 0.0257] 0.3%
Bayhan et al, 2016 17 408 0.0417 [0.0245; 0.0659] 0.3%
Atabek et al, 2004 12 210 0.0571 [0.0299; 0.0977] 0.3%
Cevahir et al, 2013 23 185 0.1243 [0.0805; 0.1807] 0.3%
Kaya et al, 2007 2 589 0.0034 [0.0004; 0.0122] 0.3%
Sencan et al, 2003 34 476 0.0714 [0.0500; 0.0984] 0.3%
Sidal et al, 2001 19 909 0.0209 [0.0126; 0.0324] 0.3%
Serkan et al, 2005 27 386 0.0699 [0.0466; 0.1001] 0.3%
Cevrioglu et al, 2004 31 245 0.1265 [0.0876; 0.1748] 0.3%
Random effects model 4656 0.0493 [0.0268; 0.0781] 3.5%
Heterogeneity: I^2 = 94%, τ^2 = 0.0085, p < 0.01
Country = UK
Thom et al, 2017 104 2311 0.0450 [0.0369; 0.0543] 0.4%
Harvala et al, 2018 42 480 0.0875 [0.0638; 0.1164] 0.3%
Cleland et al, 2013 73 1559 0.0468 [0.0369; 0.0585] 0.4%
Meader et al, 2008 10 413 0.0242 [0.0117; 0.0441] 0.3%
Dalton et al, 2017 11 464 0.0237 [0.0119; 0.0420] 0.3%
Ijaz et al, 2009 362 2731 0.1326 [0.1201; 0.1458] 0.4%
Katrina et al, 2018 104 1714 0.0607 [0.0498; 0.0730] 0.4%
Random effects model 9672 0.0560 [0.0311; 0.0876] 2.4%
Heterogeneity: I^2 = 97%, τ^2 = 0.0066, p < 0.01
Country = USA
Cangin et al, 2018 377 7656 0.0492 [0.0445; 0.0543] 0.4%
Ditah et al, 2014 490 8814 0.0556 [0.0509; 0.0606] 0.4%
Karetnyi et al, 1999 36 734 0.0490 [0.0346; 0.0673] 0.3%
Kuniholm et al, 2009 3916 18695 0.2095 [0.2037; 0.2154] 0.4%
Eick et al, 2010 16 1500 0.0107 [0.0061; 0.0173] 0.4%
Whiters et al, 2002 3 125 0.0240 [0.0050; 0.0685] 0.3%
Zhang et al, 2015 1352 6262 0.2159 [0.2058; 0.2263] 0.4%
Kyvernitakis et al, 2015 12 115 0.1043 [0.0551; 0.1752] 0.3%
Tashale et al, 2015 1081 13851 0.0780 [0.0736; 0.0826] 0.4%
Xu et al,2013 364 1939 0.1877 [0.1706; 0.2058] 0.4%
Stramer et al, 2015 27 200 0.1350 [0.0909; 0.1903] 0.3%
Meng et al, 2001 73 400 0.1825 [0.1459; 0.2239] 0.3%
Random effects model 60291 0.0965 [0.0568; 0.1453] 4.2%
Heterogeneity: I^2 = 100%, τ^2 = 0.0171, p = 0
Country = Venezuela
Pujol et al, 1994 23 611 0.0376 [0.0240; 0.0559] 0.3%
Random effects model 611 0.0376 [0.0240; 0.0542] 0.3%
Heterogeneity: not applicable
Country = Vietnam
Corwin et al, 1996 26 187 0.1390 [0.0929; 0.1970] 0.3%
Hau et al, 1999 18 646 0.0279 [0.0166; 0.0437] 0.3%
Random effects model 833 0.0725 [0.0039; 0.2155] 0.7%
Heterogeneity: I^2 = 96%, τ^2 = 0.0221, p < 0.01
Country = Yemen
Bawazir et al, 2010 38 356 0.1067 [0.0767; 0.1436] 0.3%
Random effects model 356 0.1067 [0.0768; 0.1409] 0.3%
Heterogeneity: not applicable
Random effects model 1099717 0.1247 [0.1042; 0.1467] 100.0%
Heterogeneity: I^2 = 100%, τ^2 = 0.0769, p = 0
Residual heterogeneity: I^2 = 100%, p = 0
0 0.2 0.4 0.6 0.8

Figure S2. Forest plot of estimated pooled anti-HEV IgM seroprevalence among general population based on different countries.

Note: country named multiple means people in the study are from more than one country.



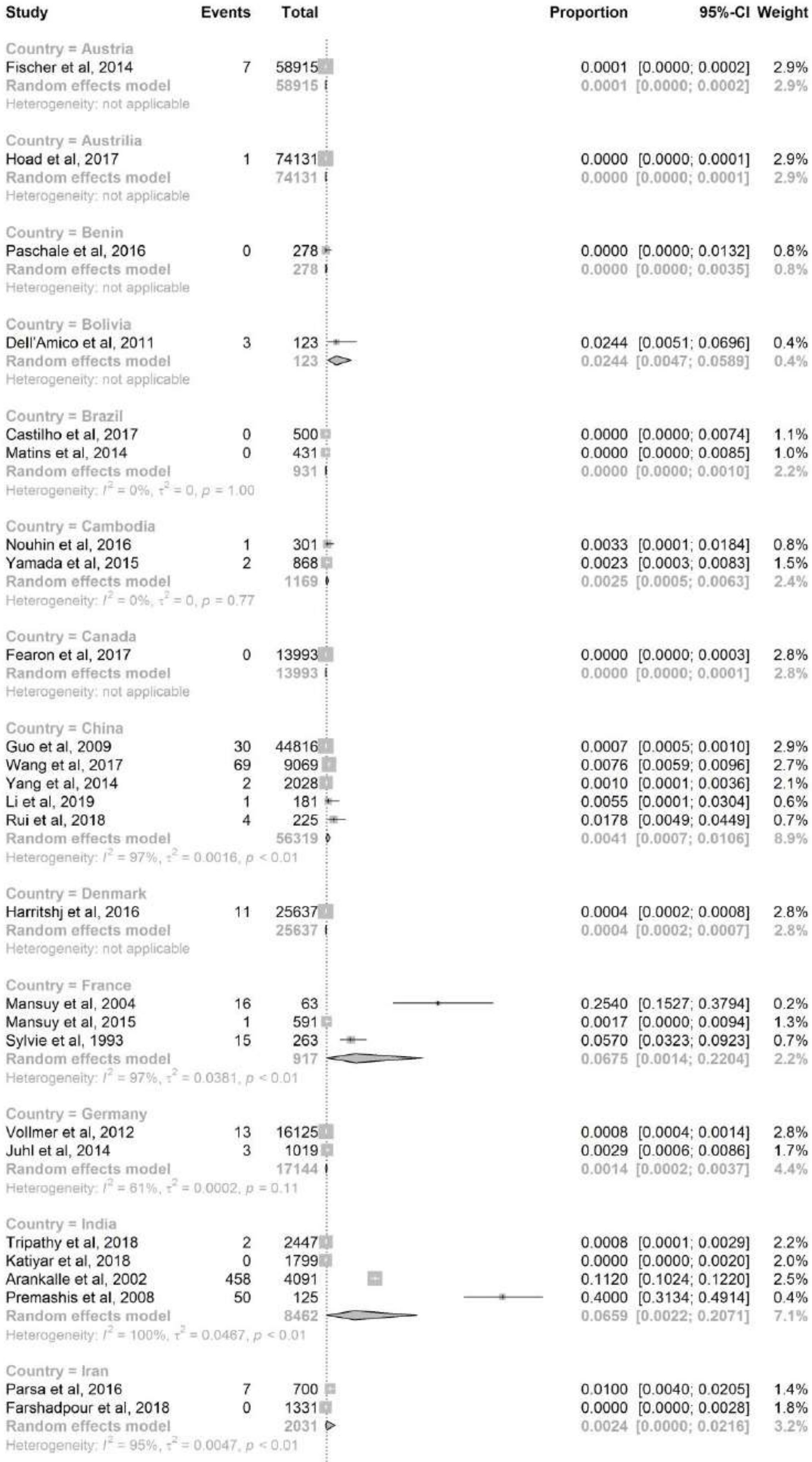

Country = Ghana
Meldal et al, 2013 14 239 0.0586 [0.0324; 0.0963] 0.9%
Dorcas et al, 2018 1 393 0.0025 [0.0001; 0.0141] 1.0%
Adjei et al, 2009 29 157 0.1847 [0.1273; 0.2544] 0.8%
Random effects model 789 0.0587 [0.0006; 0.2010] 2.8%
Heterogeneity: I^2 = 97%, τ^2 = 0.0368, p < 0.01
Country = India
Tripathy et al, 2018 5 2447 0.0020 [0.0007; 0.0048] 1.1%
Gajjar et al, 2014 22 460 0.0478 [0.0302; 0.0715] 1.0%
Gupta et al, 2015 24 252 0.0952 [0.0620; 0.1384] 0.9%
Mathur et al, 2001 244 2070 0.1179 [0.1043; 0.1326] 1.1%
Premashis et al, 2008 53 125 0.4240 [0.3361; 0.5156] 0.8%
Random effects model 5354 0.1018 [0.0208; 0.2338] 4.9%
Heterogeneity: I^2 = 99%, τ^2 = 0.0414, p < 0.01
Country = Iran
Fatemeh et al, 2014 7 510 0.0137 [0.0055; 0.0281] 1.0%
Asaei et al, 2015 9 1030 0.0087 [0.0040; 0.0165] 1.1%
Jahromi et al, 2013 11 477 0.0231 [0.0116; 0.0409] 1.0%
Ghorbani et al, 2007 0 800 0.0000 [0.0000; 0.0046] 1.0%
Farshadpour et al, 2018 11 1331 0.0083 [0.0041; 0.0147] 1.1%
Random effects model 4148 0.0080 [0.0019; 0.0182] 5.2%
Heterogeneity: I^2 = 88%, τ^2 = 0.0024, p < 0.01
Country = Ireland
O'Riordan et al, 2016 2 1076 0.0019 [0.0002; 0.0067] 1.1%
Random effects model 1076 0.0019 [0.0002; 0.0053] 1.1%
Heterogeneity: not applicable
Country = Italy
Spada et al, 2018 46 10011 0.0046 [0.0034; 0.0061] 1.1%
Ricco et al, 2016 1 199 0.0050 [0.0001; 0.0277] 0.9%
Scotto et al, 2012 0 151 0.0000 [0.0000; 0.0241] 0.8%
Marcantonio et al, 2018 2 198 0.0101 [0.0012; 0.0360] 0.9%
Random effects model 10559 0.0044 [0.0019; 0.0078] 3.7%
Heterogeneity: I^2 = 18%, τ^2 = 0.0002, p = 0.30
Country = Japan
Takahashi et al, 2010 9 22027 0.0004 [0.0002; 0.0008] 1.1%
Sakata et al, 2008 14 1389 0.0101 [0.0055; 0.0169] 1.1%
Fukuda et al, 2007 6 3185 0.0019 [0.0007; 0.0041] 1.1%
Ding et al, 2003 1 533 0.0019 [0.0000; 0.0104] 1.0%
Goto et al, 2006 2 344 0.0058 [0.0007; 0.0208] 1.0%
Random effects model 27478 0.0030 [0.0006; 0.0073] 5.3%
Heterogeneity: I^2 = 90%, τ^2 = 0.0010, p < 0.01
Country = Korea
Ahn et al, 2005 9 1030 0.0087 [0.0040; 0.0165] 1.1%
Random effects model 1030 0.0087 [0.0040; 0.0153] 1.1%
Heterogeneity: not applicable
Country = Mongolia
Davaalkham et al, 2009 0 520 0.0000 [0.0000; 0.0071] 1.0%
Bira et al, 2007 0 717 0.0000 [0.0000; 0.0051] 1.0%
Random effects model 1237 0.0000 [0.0000; 0.0008] 2.1%
Heterogeneity: I^2 = 0%, τ^2 = 0, p = 1.00
Country = Multiple
Abe et al, 2006 14 5233 0.0027 [0.0015; 0.0045] 1.1%
Baylis et al, 2012 1 165010 0.0000 [0.0000; 0.0000] 1.1%
Minuk et al, 2007 2 393 0.0051 [0.0006; 0.0183] 1.0%
Schreuder et al, 2016 1 600 0.0017 [0.0000; 0.0093] 1.0%
Random effects model 171236 0.0015 [0.0000; 0.0056] 4.2%
Heterogeneity: I^2 = 95%, τ^2 = 0.0012, p < 0.01
Country = Nepal
Shrestha et al, 2016 54 1686 0.0320 [0.0242; 0.0416] 1.1%
Random effects model 1686 0.0320 [0.0242; 0.0410] 1.1%
Heterogeneity: not applicable
Country = Netherlands
Slot et al, 2013 49 5239 0.0094 [0.0069; 0.0123] 1.1%
Sadik et al, 2016 7 1199 0.0058 [0.0024; 0.0120] 1.1%
Alberts et al, 2018 435 7065 0.0616 [0.0561; 0.0674] 1.1%
Random effects model 13503 0.0200 [0.0005; 0.0663] 3.3%
Heterogeneity: I^2 = 99%, τ^2 = 0.0109, p < 0.01
Country = Nigeria
Ifeorah et al, 2017 1 750 0.0013 [0.0000; 0.0074] 1.0%
Fowotade et al, 2018 16 177 0.0904 [0.0526; 0.1426] 0.9%
Random effects model 927 0.0283 [0.0000; 0.1756] 1.9%
Heterogeneity: I^2 = 98%, τ^2 = 0.0353, p < 0.01



Country = Poland
Grabarczyk et al, 2018 39 3079 0.0127 [0.0090; 0.0173] 1.1%
Korzeniewski et al, 2018 1 253 0.0040 [0.0001; 0.0218] 0.9%
Bura et al, 2018 1 138 0.0072 [0.0002; 0.0397] 0.8%
Random effects model 3470 0.0102 [0.0052; 0.0167] 2.8%
Heterogeneity: I^2 = 24%, τ^2 = 0.0002, p = 0.27
Country = Portugal
Nascimento et al, 2016 8 1656 0.0048 [0.0021; 0.0095] 1.1%
Random effects model 1656 0.0048 [0.0021; 0.0087] 1.1%
Heterogeneity: not applicable
Country = Qatar
Nasrallah et al, 2017 34 5854 0.0058 [0.0040; 0.0081] 1.1%
Random effects model 5854 0.0058 [0.0040; 0.0079] 1.1%
Heterogeneity: not applicable
Country = Russia
Abe et al, 2004 2 341 0.0059 [0.0007; 0.0210] 1.0%
Random effects model 341 0.0059 [0.0006; 0.0167] 1.0%
Heterogeneity: not applicable
Country = Saudi Arabia
Johargy et al, 2013 39 900 0.0433 [0.0310; 0.0588] 1.1%
Random effects model 900 0.0433 [0.0310; 0.0576] 1.1%
Heterogeneity: not applicable
Country = South Africa
Grabow et al, 1994 16 782 0.0205 [0.0117; 0.0330] 1.0%
Random effects model 782 0.0205 [0.0117; 0.0316] 1.0%
Heterogeneity: not applicable
Country = South Sudan
Azman et al, 2017 9 206 0.0437 [0.0202; 0.0813] 0.9%
Random effects model 206 0.0437 [0.0201; 0.0758] 0.9%
Heterogeneity: not applicable
Country = Spain
Maria et al, 2010 7 1040 0.0067 [0.0027; 0.0138] 1.1%
Random effects model 1040 0.0067 [0.0027; 0.0126] 1.1%
Heterogeneity: not applicable
Country = Thailand
Poovorawan et al, 1996 5 1038 0.0048 [0.0016; 0.0112] 1.1%
Intharasongkroh et al, 2019 0 1019 0.0000 [0.0000; 0.0036] 1.1%
Random effects model 2057 0.0012 [0.0000; 0.0105] 2.1%
Heterogeneity: I^2 = 90%, τ^2 = 0.0022, p < 0.01
Country = Tunisia
Houcine et al, 2012 20 687 0.0291 [0.0179; 0.0446] 1.0%
Random effects model 687 0.0291 [0.0179; 0.0430] 1.0%
Heterogeneity: not applicable
Country = UK
Harvala et al, 2018 16 480 0.0333 [0.0192; 0.0536] 1.0%
Cleland et al, 2013 0 1559 0.0000 [0.0000; 0.0024] 1.1%
Katrina et al,2018 9 94302 0.0001 [0.0000; 0.0002] 1.1%
Random effects model 96341 0.0036 [0.0000; 0.0166] 3.2%
Heterogeneity: I^2 = 97%, τ^2 = 0.0035, p < 0.01
Country = United Arab Emirates
Kumar et al, 2001 93 469 0.1983 [0.1631; 0.2373] 1.0%
Random effects model 469 0.1983 [0.1635; 0.2356] 1.0%
Heterogeneity: not applicable
Country = USA
Ditah et al, 2014 3 8814 0.0003 [0.0001; 0.0010] 1.1%
Karetnyi et al, 1999 9 734 0.0123 [0.0056; 0.0231] 1.0%
Eick et al, 2010 0 1500 0.0000 [0.0000; 0.0025] 1.1%
Random effects model 11048 0.0016 [0.0000; 0.0078] 3.2%
Heterogeneity: I^2 = 92%, τ^2 = 0.0016, p < 0.01
Country = Venezuela
Pujol et al, 1994 3 611 0.0049 [0.0010; 0.0143] 1.0%
Random effects model 611 0.0049 [0.0009; 0.0120] 1.0%
Heterogeneity: not applicable
Country = Vietnam
Corwin et al, 1996 1 187 0.0053 [0.0001; 0.0294] 0.9%
Random effects model 187 0.0053 [0.0000; 0.0208] 0.9%
Heterogeneity: not applicable
Random effects model 479001 0.0147 [0.0114; 0.0185] 100.0%
Heterogeneity: I^2 = 99%, τ^2 = 0.0051, p = 0
Residual heterogeneity: I^2 = 97%, p = 0
0 0.1 0.2 0.3 0.4 0.5

Figure S3. Forest plot of estimated pooled HEV RNA positive rate among general population based on different countries.

Note: country named multiple means people in the study are from more than one country.

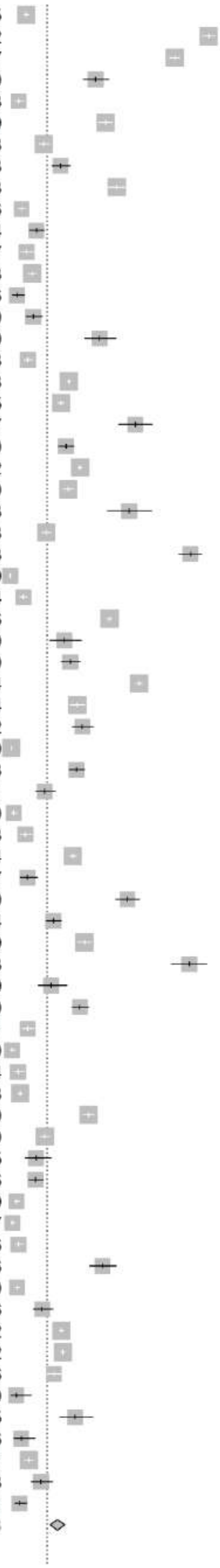


Country = Ireland
O'Riordan et al, 2016 10 24985 0.0004 [0.0002; 0.0007] 2.8%
Random effects model 24985 0.0004 [0.0002; 0.0007] 2.8%
Heterogeneity: not applicable
Country = Italy
Spada et al, 2018 0 10011 0.0000 [0.0000; 0.0004] 2.7%
La Fauci et al, 2017 12 352 0.0341 [0.0177; 0.0588] 0.9%
Random effects model 10363 0.0083 [0.0000; 0.0727] 3.6%
Heterogeneity: I^2 = 98%, τ^2 = 0.0169, p < 0.01
Country = Japan
Minagi et al, 2016 36 620140 0.0001 [0.0000; 0.0001] 2.9%
Fukuda et al, 2007 5 3185 0.0016 [0.0005; 0.0037] 2.4%
Random effects model 623325 0.0005 [0.0000; 0.0029] 5.3%
Heterogeneity: I^2 = 92%, τ^2 = 0.0005, p < 0.01
Country = Multiple
Baylis et al, 2012 16 165010 0.0001 [0.0001; 0.0002] 2.9%
Random effects model 165010 0.0001 [0.0001; 0.0002] 2.9%
Heterogeneity: not applicable
Country = Netherlands
Slot et al, 2013 17 5239 0.0032 [0.0019; 0.0052] 2.5%
Sadik et al, 2016 0 1199 0.0000 [0.0000; 0.0031] 1.8%
Hogema et al, 2016 45 59474 0.0008 [0.0006; 0.0010] 2.9%
Brilman et al, 2013 34 1129 0.0301 [0.0209; 0.0418] 1.7%
Random effects model 67041 0.0040 [0.0003; 0.0118] 8.9%
Heterogeneity: I^2 = 97%, τ^2 = 0.0020, p < 0.01
Country = Poland
Grabarczyk et al, 2018 10 12664 0.0008 [0.0004; 0.0015] 2.8%
Random effects model 12664 0.0008 [0.0004; 0.0014] 2.8%
Heterogeneity: not applicable
Country = Qatar
Nasrallah et al, 2017 4 5854 0.0007 [0.0002; 0.0017] 2.6%
Random effects model 5854 0.0007 [0.0002; 0.0015] 2.6%
Heterogeneity: not applicable
Country = Romania
Anita et al, 2014 6 148 0.0405 [0.0150; 0.0861] 0.5%
Random effects model 148 0.0405 [0.0149; 0.0781] 0.5%
Heterogeneity: not applicable
Country = Spain
Juare et al, 2019 4 11313 0.0004 [0.0001; 0.0009] 2.7%
Sauleda et al, 2014 3 9998 0.0003 [0.0001; 0.0009] 2.7%
Maria et al, 2010 0 1040 0.0000 [0.0000; 0.0035] 1.7%
Random effects model 22351 0.0003 [0.0001; 0.0006] 7.1%
Heterogeneity: I^2 = 0%, τ^2 = 0, p = 0.51
Country = Thailand
Intharasongkroh et al, 2019 26 30115 0.0009 [0.0006; 0.0013] 2.9%
Random effects model 30115 0.0009 [0.0006; 0.0012] 2.9%
Heterogeneity: not applicable
Country = UK
Hewitt et al, 2014 79 225000 0.0004 [0.0003; 0.0004] 2.9%
Harvala et al, 2018 480 1838747 0.0003 [0.0002; 0.0003] 2.9%
Cleland et al, 2013 3 43560 0.0001 [0.0000; 0.0002] 2.9%
Katrina et al,2018 38 94302 0.0004 [0.0003; 0.0006] 2.9%
Random effects model 2201609 0.0003 [0.0002; 0.0004] 11.6%
Heterogeneity: I^2 = 86%, τ^2 = < 0.0001, p < 0.01
Country = United Arab Emirates
Kumar et al, 2001 28 469 0.0597 [0.0400; 0.0851] 1.1%
Random effects model 469 0.0597 [0.0401; 0.0829] 1.1%
Heterogeneity: not applicable
Country = USA
Xu et al,2013 0 1939 0.0000 [0.0000; 0.0019] 2.1%
Stramer et al, 2015 2 18829 0.0001 [0.0000; 0.0004] 2.8%
Random effects model 20768 0.0001 [0.0000; 0.0003] 4.9%
Heterogeneity: I^2 = 0%, τ^2 = 0, p = 0.39
Random effects model 3444752 0.0020 [0.0015; 0.0025] 100.0%
Heterogeneity: I^2 = 98%, τ^2 = 0.0003, p = 0
Residual heterogeneity: I^2 = 98%, p < 0.01
0
0.1
0.2
0.3
0.4

Figure S4. Forest plot of estimated anti-HEV IgG seroprevalence among general population based on different continents.

Note: continent named multiple means people in the study are from more than one country and cannot be included into one continent.

Study	Events	Total	Proportion	95%-CI	Weight
Continent = Africa					
Meldal et al, 2013	11	239	0.0460	[0.0232; 0.0809]	0.3%
Miller et al, 1998	1	403	0.0025	[0.0001; 0.0137]	0.3%
Grabow et al, 1994	16	782	0.0205	[0.0117; 0.0330]	0.3%
Houcine et al, 2012	37	687	0.0539	[0.0382; 0.0735]	0.3%
Adesina et al, 2009	25	186	0.1344	[0.0889; 0.1920]	0.3%
Madden et al, 2016	324	1161	0.2791	[0.2534; 0.3058]	0.4%
Lopes et al, 2017	78	300	0.2600	[0.2113; 0.3135]	0.3%
Kamel et al, 1995	214	1259	0.1700	[0.1496; 0.1919]	0.4%
Azman et al, 2017	154	206	0.7476	[0.6825; 0.8054]	0.3%
Aboulata et al, 2005	26	100	0.2600	[0.1774; 0.3573]	0.3%
Ekanem et al, 2015	31	402	0.0771	[0.0530; 0.1077]	0.3%
Hasan et al, 2016	33	123	0.2683	[0.1924; 0.3557]	0.3%
Fix et al, 2000	4283	10026	0.4272	[0.4175; 0.4369]	0.4%
Dorcas et al, 2018	48	393	0.1221	[0.0914; 0.1587]	0.3%
Sonia et al, 2006	2046	2428	0.8427	[0.8276; 0.8569]	0.4%
Niguse et al, 2018	359	846	0.4243	[0.3908; 0.4585]	0.3%
Caron et al, 2008	119	840	0.1417	[0.1188; 0.1671]	0.3%
Caron et al, 2012	16	243	0.0658	[0.0381; 0.1047]	0.3%
Gad et al, 2011	68	116	0.5862	[0.4910; 0.6769]	0.3%
Adjei et al, 2009	16	157	0.1019	[0.0594; 0.1602]	0.3%
Paschale et al, 2016	62	278	0.2230	[0.1755; 0.2766]	0.3%
Abebe et al, 2017	122	386	0.3161	[0.2700; 0.3650]	0.3%
Traore et al, 2012	56	178	0.3146	[0.2472; 0.3883]	0.3%
Aubry et al, 1997	18	129	0.1395	[0.0848; 0.2115]	0.3%
Gambel et al, 1998	14	112	0.1250	[0.0701; 0.2008]	0.3%
Taha et al, 2015	80	397	0.2015	[0.1631; 0.2444]	0.3%
Random effects model		22377	0.2176	[0.1305; 0.3198]	9.0%
Heterogeneity: $I^2 = 100\%$, $\tau^2 = 0.0896$, $p = 0$					
Continent = Asia					
Chang et al, 2009	522	2572	0.2030	[0.1876; 0.2190]	0.4%
Geng et al, 2011	538	2682	0.2006	[0.1856; 0.2163]	0.4%
Yuan et al, 2017	268	1200	0.2233	[0.2001; 0.2480]	0.4%
Chen et al, 2019	799	4044	0.1976	[0.1854; 0.2102]	0.4%
Edward et al, 1997	571	757	0.7543	[0.7220; 0.7846]	0.3%
Corwin et al, 1996	26	187	0.1390	[0.0929; 0.1970]	0.3%
Hassan et al, 2013	76	530	0.1434	[0.1147; 0.1762]	0.3%
Fatemeh et al, 2014	235	510	0.4608	[0.4169; 0.5051]	0.3%
Guo et al, 2009	14610	44816	0.3260	[0.3217; 0.3304]	0.4%
Ahn et al, 2005	138	1030	0.1340	[0.1138; 0.1563]	0.3%
Azarkar et al, 2017	139	554	0.2509	[0.2153; 0.2892]	0.3%
Cainelli et al, 2018	11	199	0.0553	[0.0279; 0.0968]	0.3%
Assarehzadegan et al, 2007	46	400	0.1150	[0.0854; 0.1504]	0.3%
Yoon et al, 2014	144	2450	0.0588	[0.0498; 0.0688]	0.4%
Takahashi et al, 2004	28	249	0.1124	[0.0760; 0.1584]	0.3%
Takahashi et al, 2010	1167	22027	0.0530	[0.0501; 0.0560]	0.4%
Nasrallah et al, 2017	1198	5854	0.2046	[0.1944; 0.2152]	0.4%
Zhuang et al, 2014	113	486	0.2325	[0.1956; 0.2727]	0.3%
Takeda et al, 2010	431	12600	0.0342	[0.0311; 0.0375]	0.4%
Nouhin et al, 2016	85	301	0.2824	[0.2322; 0.3369]	0.3%
Yun et al, 2011	46	489	0.0941	[0.0697; 0.1235]	0.3%
Nouhin et al, 2018	829	2004	0.4137	[0.3920; 0.4356]	0.4%
Wong et al, 2004	176	934	0.1884	[0.1638; 0.2150]	0.3%
Wang et al, 2017	2682	9069	0.2957	[0.2864; 0.3052]	0.4%
Tripathy et al, 2018	433	2447	0.1770	[0.1620; 0.1927]	0.4%
Taremi et al, 2007	31	399	0.0777	[0.0534; 0.1085]	0.3%
Vivek et al, 2010	330	2279	0.1448	[0.1306; 0.1599]	0.4%
Zhu et al, 2008	1289	4654	0.2770	[0.2641; 0.2901]	0.4%
Sakata et al, 2008	45	1389	0.0324	[0.0237; 0.0431]	0.4%
Mohebbi et al, 2012	51	551	0.0926	[0.0697; 0.1199]	0.3%
Yang et al, 2014	473	2028	0.2332	[0.2150; 0.2523]	0.4%
Zhu et al, 2014	152061	400162	0.3800	[0.3785; 0.3815]	0.4%
Mor et al, 2015	77	729	0.1056	[0.0843; 0.1302]	0.3%
Toyoda et al, 2008	60	592	0.1014	[0.0782; 0.1285]	0.3%
Shrestha et al, 2016	773	1845	0.4190	[0.3963; 0.4419]	0.4%
Mohammad et al, 2017	139	450	0.3089	[0.2665; 0.3538]	0.3%
Yamada et al, 2015	160	868	0.1843	[0.1591; 0.2118]	0.3%
Peng et al, 1995	76	997	0.0762	[0.0605; 0.0945]	0.3%
Ren et al, 2013	2945	10741	0.2742	[0.2658; 0.2827]	0.4%
Parsa et al, 2016	50	700	0.0714	[0.0535; 0.0931]	0.3%
Jahromi et al, 2013	26	477	0.0545	[0.0359; 0.0788]	0.3%



Fukuda et al, 2007	168	3185	0.0527	[0.0452; 0.0611]	0.4%
Feng et al, 2018	1273	1912	0.6658	[0.6441; 0.6869]	0.4%
Cai et al, 2016	1842	3337	0.5520	[0.5349; 0.5690]	0.4%
Chiu et al, 2013	129	450	0.2867	[0.2453; 0.3309]	0.3%
Ding et al, 2003	15	533	0.0281	[0.0158; 0.0460]	0.3%
Chan et al, 2017	492	1539	0.3197	[0.2964; 0.3436]	0.4%
Arif et al, 1994	160	1418	0.1128	[0.0968; 0.1305]	0.4%
Abdelaal et al, 1995	100	593	0.1686	[0.1394; 0.2012]	0.3%
Amarapurkar et al, 2008	416	1163	0.3577	[0.3301; 0.3860]	0.4%
Ataei et al, 2007	31	816	0.0380	[0.0260; 0.0535]	0.3%
Hesamizadeh et al, 2015	45	514	0.0875	[0.0646; 0.1154]	0.3%
Jahromi et al, 2013	26	477	0.0545	[0.0359; 0.0788]	0.3%
Sepanlou et al, 2010	105	1423	0.0738	[0.0607; 0.0886]	0.4%
Mitsui et al, 2005	6	266	0.0226	[0.0083; 0.0484]	0.3%
Raoofi et al, 2012	31	400	0.0775	[0.0533; 0.1082]	0.3%
Rahman et al, 2014	90	300	0.3000	[0.2487; 0.3553]	0.3%
Poovorawan et al, 1996	61	1038	0.0588	[0.0452; 0.0749]	0.3%
Chen et al, 2012	2793	14208	0.1966	[0.1901; 0.2032]	0.4%
Kotwal et al, 2014	712	4175	0.1705	[0.1592; 0.1823]	0.4%
Liang et al, 2014	129	307	0.4202	[0.3644; 0.4776]	0.3%
Johargy et al, 2013	168	900	0.1867	[0.1617; 0.2137]	0.3%
Jia et al, 2014	3721	15862	0.2346	[0.2280; 0.2413]	0.4%
Ma et al, 2010	407	2090	0.1947	[0.1780; 0.2124]	0.4%
Li et al, 2011	69	173	0.3988	[0.3253; 0.4759]	0.3%
Li et al, 2014	197	1638	0.1203	[0.1049; 0.1370]	0.4%
Katiyar et al, 2018	383	633	0.6051	[0.5658; 0.6434]	0.3%
Intharasongkroh et al, 2019	0	1019	0.0000	[0.0000; 0.0036]	0.3%
Lee et al, 1993	43	984	0.0437	[0.0318; 0.0584]	0.3%
Liu et al, 2019	3419	10256	0.3334	[0.3242; 0.3426]	0.4%
Khounvisith et al, 2018	38	210	0.1810	[0.1313; 0.2398]	0.3%
Kang et al, 2017	121	600	0.2017	[0.1703; 0.2360]	0.3%
Li et al, 2006	3154	7284	0.4330	[0.4216; 0.4445]	0.4%
Labrique et al, 2009	255	1134	0.2249	[0.2009; 0.2503]	0.4%
Jahanbakhsh et al, 2017	136	562	0.2420	[0.2071; 0.2796]	0.3%
Lachish et al, 2013	19	4970	0.0038	[0.0023; 0.0060]	0.4%
Cui et al, 2016	228	1028	0.2218	[0.1967; 0.2485]	0.3%
Pilakasiri et al, 2009	44	381	0.1155	[0.0852; 0.1519]	0.3%
Ghorbani et al, 2007	9	800	0.0112	[0.0052; 0.0212]	0.3%
Zeng et al, 2014	26	513	0.0507	[0.0334; 0.0734]	0.3%
Yu et al, 2009	841	3994	0.2106	[0.1980; 0.2235]	0.4%
Widasari et al, 2013	16	277	0.0578	[0.0334; 0.0921]	0.3%
Zhang et al, 2017	236	600	0.3933	[0.3540; 0.4337]	0.3%
Cheng et al, 2007	109	754	0.1446	[0.1202; 0.1717]	0.3%
Pathak et al, 2018	341	1369	0.2491	[0.2264; 0.2729]	0.4%
Sheikh et al, 2002	164	273	0.6007	[0.5400; 0.6593]	0.3%
Chow et al, 1996	30	219	0.1370	[0.0944; 0.1897]	0.3%
Cong et al, 2014	208	890	0.2337	[0.2063; 0.2629]	0.3%
Achwan et al, 2007	34	581	0.0585	[0.0409; 0.0808]	0.3%
Davaalkham et al, 2009	3	520	0.0058	[0.0012; 0.0168]	0.3%
Goto et al, 2006	9	344	0.0262	[0.0120; 0.0491]	0.3%
Lin et al, 2004	86	2588	0.0332	[0.0267; 0.0409]	0.4%
Mathur et al, 2001	545	2070	0.2633	[0.2444; 0.2828]	0.4%
Meng et al, 2015	174	1500	0.1160	[0.1002; 0.1333]	0.4%
Mohanavalli et al, 2002	16	185	0.0865	[0.0502; 0.1366]	0.3%
Shamsizadeh et al, 2009	48	566	0.0848	[0.0632; 0.1109]	0.3%
Sidal et al, 2001	19	909	0.0209	[0.0126; 0.0324]	0.3%
Bira et al, 2007	5	717	0.0070	[0.0023; 0.0162]	0.3%
Hau et al, 1999	18	646	0.0279	[0.0166; 0.0437]	0.3%
Toole et al, 2006	132	426	0.3099	[0.2662; 0.3562]	0.3%
Saffar et al, 2009	25	1080	0.0231	[0.0150; 0.0340]	0.3%
Bawazir et al, 2010	38	356	0.1067	[0.0767; 0.1436]	0.3%
Dong et al, 2007	2073	12052	0.1720	[0.1653; 0.1789]	0.4%
Lu et al, 2009	1547	8762	0.1766	[0.1686; 0.1847]	0.4%
Li et al, 2019	139	946	0.1469	[0.1250; 0.1711]	0.3%
Lee et al, 2013	2	100	0.0200	[0.0024; 0.0704]	0.3%
Rui et al, 2018	49	225	0.2178	[0.1657; 0.2775]	0.3%
Zakieh et al, 2013	5	136	0.0368	[0.0120; 0.0837]	0.3%
Farshadpour et al, 2018	83	1331	0.0624	[0.0500; 0.0767]	0.4%
Huang et al, 2013	30	293	0.1024	[0.0702; 0.1429]	0.3%
Alizadeh et al, 2016	10	321	0.0312	[0.0150; 0.0565]	0.3%
Random effects model		681373	**0.1580**	**[0.1329; 0.1849]**	**38.8%**

Heterogeneity: I^2 = 100%, τ^2 = 0.0363, p = 0

Continent = Europe

Maria et al, 2006	96	1280	0.0750	[0.0612; 0.0908]	0.4%
Boutrouille et al, 2007	64	1998	0.0320	[0.0248; 0.0407]	0.4%
Christensen et al,2018	293	906	0.3234	[0.2930; 0.3549]	0.3%
O'Riordan et al, 2016	57	1076	0.0530	[0.0404; 0.0681]	0.3%
Spada et al, 2018	869	10011	0.0868	[0.0814; 0.0925]	0.4%
Nascimento et al, 2016	270	1656	0.1630	[0.1456; 0.1817]	0.4%
Verhoef et al, 2011	134	7072	0.0189	[0.0159; 0.0224]	0.4%
Mooij et al, 2018	648	2100	0.3086	[0.2889; 0.3288]	0.4%
Lafeber et al, 2017	666	2422	0.2750	[0.2573; 0.2932]	0.4%
Olcay et al, 2003	57	910	0.0626	[0.0478; 0.0804]	0.3%
Rapicetta et al, 1999	33	2233	0.0148	[0.0102; 0.0207]	0.4%
Slot et al, 2013	1401	5239	0.2674	[0.2555; 0.2796]	0.4%
Straková et al, 2016	13	230	0.0565	[0.0304; 0.0947]	0.3%
Wenzel et al, 2014	929	2184	0.4254	[0.4045; 0.4464]	0.4%
Petrovi et al, 2014	30	200	0.1500	[0.1035; 0.2072]	0.3%
Sadik et al, 2016	459	1199	0.3828	[0.3552; 0.4110]	0.4%
Thom et al, 2017	104	2311	0.0450	[0.0369; 0.0543]	0.4%
Sauleda et al, 2014	1996	9998	0.1996	[0.1918; 0.2076]	0.4%
Pittaras et al, 2014	25	265	0.0943	[0.0620; 0.1361]	0.3%
Niederhauser et al, 2017	737	3609	0.2042	[0.1912; 0.2177]	0.4%
Teoharov et al, 2014	67	741	0.0904	[0.0708; 0.1134]	0.3%
Alberts et al, 2018	190	7065	0.0269	[0.0232; 0.0309]	0.4%
Grabarczyk et al, 2018	1340	3079	0.4352	[0.4176; 0.4529]	0.4%
Gessoni et al, 1996	49	1889	0.0259	[0.0193; 0.0341]	0.4%
Fogeda et al, 2012	25	2305	0.0108	[0.0070; 0.0160]	0.4%
Fischer et al, 2014	163	1203	0.1355	[0.1166; 0.1561]	0.4%
Harvala et al, 2018	42	480	0.0875	[0.0638; 0.1164]	0.3%
Cleland et al, 2013	73	1559	0.0468	[0.0369; 0.0585]	0.4%
Dimeglio et al, 2018	23	300	0.0767	[0.0492; 0.1128]	0.3%
Anita et al, 2014	22	148	0.1486	[0.0956; 0.2164]	0.3%
Hogema et al, 2016	11	45	0.2444	[0.1288; 0.3954]	0.3%
Hickey et al, 2016	16	198	0.0808	[0.0469; 0.1279]	0.3%
Bernal et al, 1995	36	1757	0.0205	[0.0144; 0.0283]	0.4%
Ricco et al, 2016	9	199	0.0452	[0.0209; 0.0841]	0.3%
Puttini et al, 2015	12	132	0.0909	[0.0479; 0.1534]	0.3%
Pavia et al, 1998	3	360	0.0083	[0.0017; 0.0242]	0.3%
Zuin et al, 2016	380	3546	0.1072	[0.0972; 0.1178]	0.4%
Scotto et al, 2012	2	151	0.0132	[0.0016; 0.0470]	0.3%
Sabato et al, 2017	4	253	0.0158	[0.0043; 0.0400]	0.3%
Love et al, 2018	6	291	0.0206	[0.0076; 0.0443]	0.3%
Mansuy et al, 2016	2371	10569	0.2243	[0.2164; 0.2324]	0.4%
Karetny et al, 1995	37	1416	0.0261	[0.0185; 0.0358]	0.4%
Lucarelli et al, 2016	153	313	0.4888	[0.4322; 0.5457]	0.3%
Lange et al, 2016	177	1263	0.1401	[0.1215; 0.1605]	0.4%
Mateos et al, 1998	34	905	0.0376	[0.0262; 0.0521]	0.3%
Marcantonio et al, 2018	10	198	0.0505	[0.0245; 0.0909]	0.3%
Lanini et al, 2015	60	1116	0.0538	[0.0413; 0.0687]	0.4%
Kaufmann et al, 2011	27	550	0.0491	[0.0326; 0.0706]	0.3%
Mansuy et al, 2004	46	431	0.1067	[0.0792; 0.1398]	0.3%
Mansuy et al, 2015	1310	3353	0.3907	[0.3741; 0.4074]	0.4%
Juhl et al, 2017	70	449	0.1559	[0.1236; 0.1928]	0.3%
Juhl et al, 2014	69	1019	0.0677	[0.0531; 0.0849]	0.3%
Nagler et al, 2014	143	997	0.1434	[0.1222; 0.1667]	0.3%
Langer et al, 1997	3	553	0.0054	[0.0011; 0.0158]	0.3%
Lavanchy et al, 1994	14	317	0.0442	[0.0244; 0.0730]	0.3%
Mahrt et al, 2018	679	3000	0.2263	[0.2115; 0.2417]	0.4%
Krumbholz et al, 2011	18	116	0.1552	[0.0946; 0.2341]	0.3%
Krumbholz et al, 2014	65	537	0.1210	[0.0947; 0.1517]	0.3%
Jeggli et al, 2015	25	752	0.0332	[0.0216; 0.0487]	0.3%
Kantala et al, 2015	37	385	0.0961	[0.0686; 0.1300]	0.3%
Korzeniewski et al, 2018	13	253	0.0514	[0.0276; 0.0863]	0.3%
Jablonka et al, 2017	122	604	0.2020	[0.1707; 0.2363]	0.3%
Kaba et al, 2010	57	490	0.1163	[0.0893; 0.1481]	0.3%
Chironna et al, 1999	20	526	0.0380	[0.0234; 0.0581]	0.3%
Rapicetta et al,1999	113	973	0.1161	[0.0967; 0.1380]	0.3%
Schielke et al, 2015	26	126	0.2063	[0.1394; 0.2875]	0.3%
Nübling et al, 2002	20	511	0.0391	[0.0241; 0.0598]	0.3%
Todys et al, 2015	206	1027	0.2006	[0.1765; 0.2264]	0.3%
Meader et al, 2008	10	413	0.0242	[0.0117; 0.0441]	0.3%
Tabili et al, 2013	23	103	0.2233	[0.1471; 0.3160]	0.3%
Bura et al, 2018	2	138	0.0145	[0.0018; 0.0514]	0.3%
Dremsek et al, 2012	132	853	0.1547	[0.1311; 0.1808]	0.3%
Alecci et al, 1997	3	244	0.0123	[0.0025; 0.0355]	0.3%
Chaussade et al, 2013	83	322	0.2578	[0.2109; 0.3092]	0.3%
Teixeira et al, 2017	106	804	0.1318	[0.1092; 0.1572]	0.3%

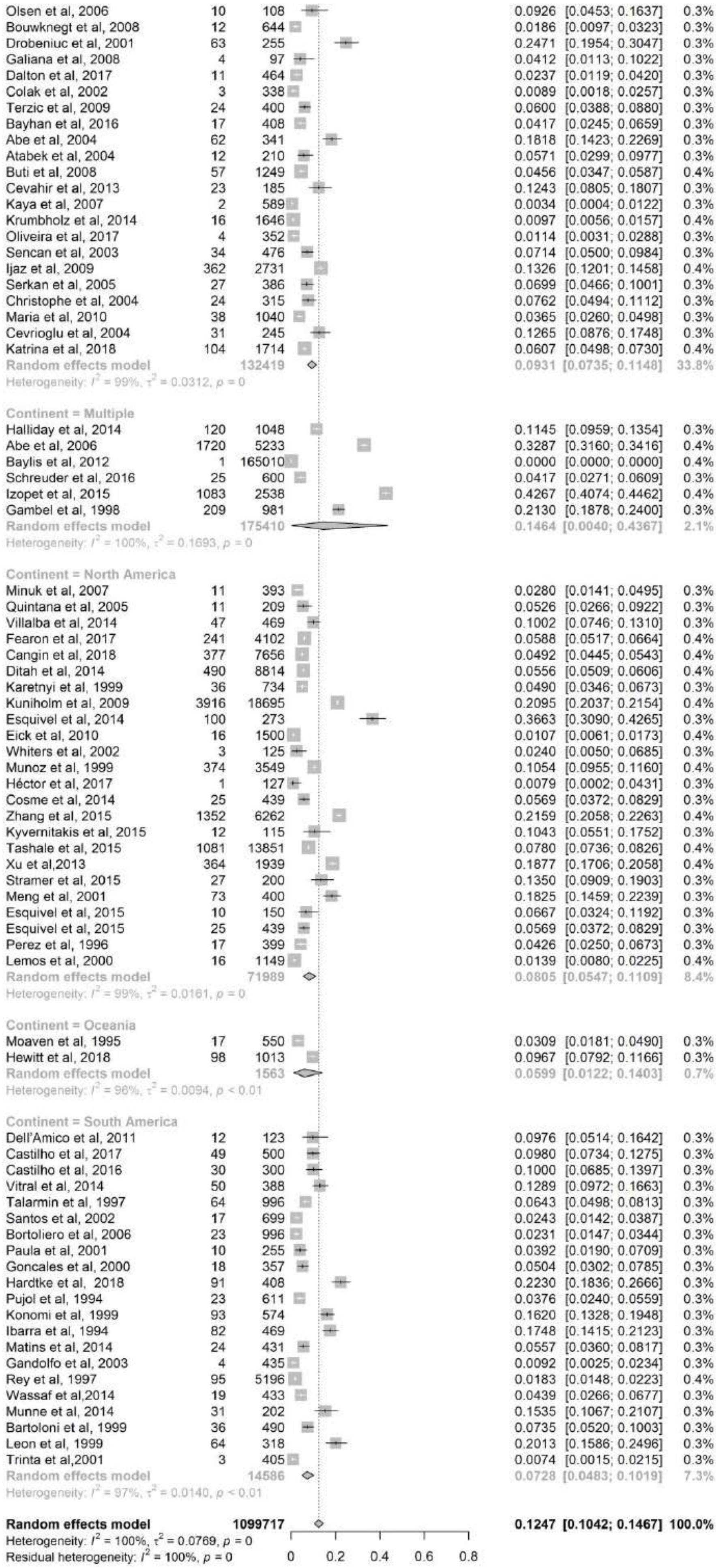
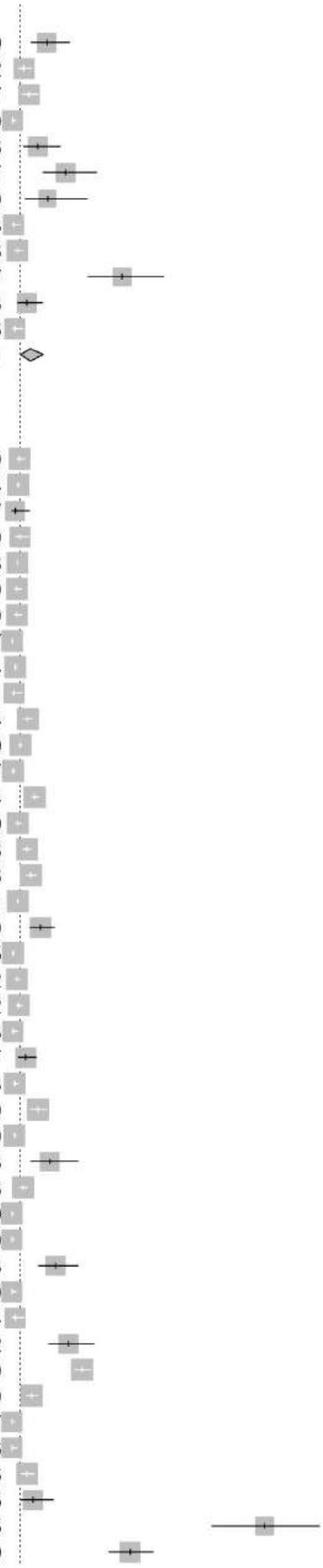
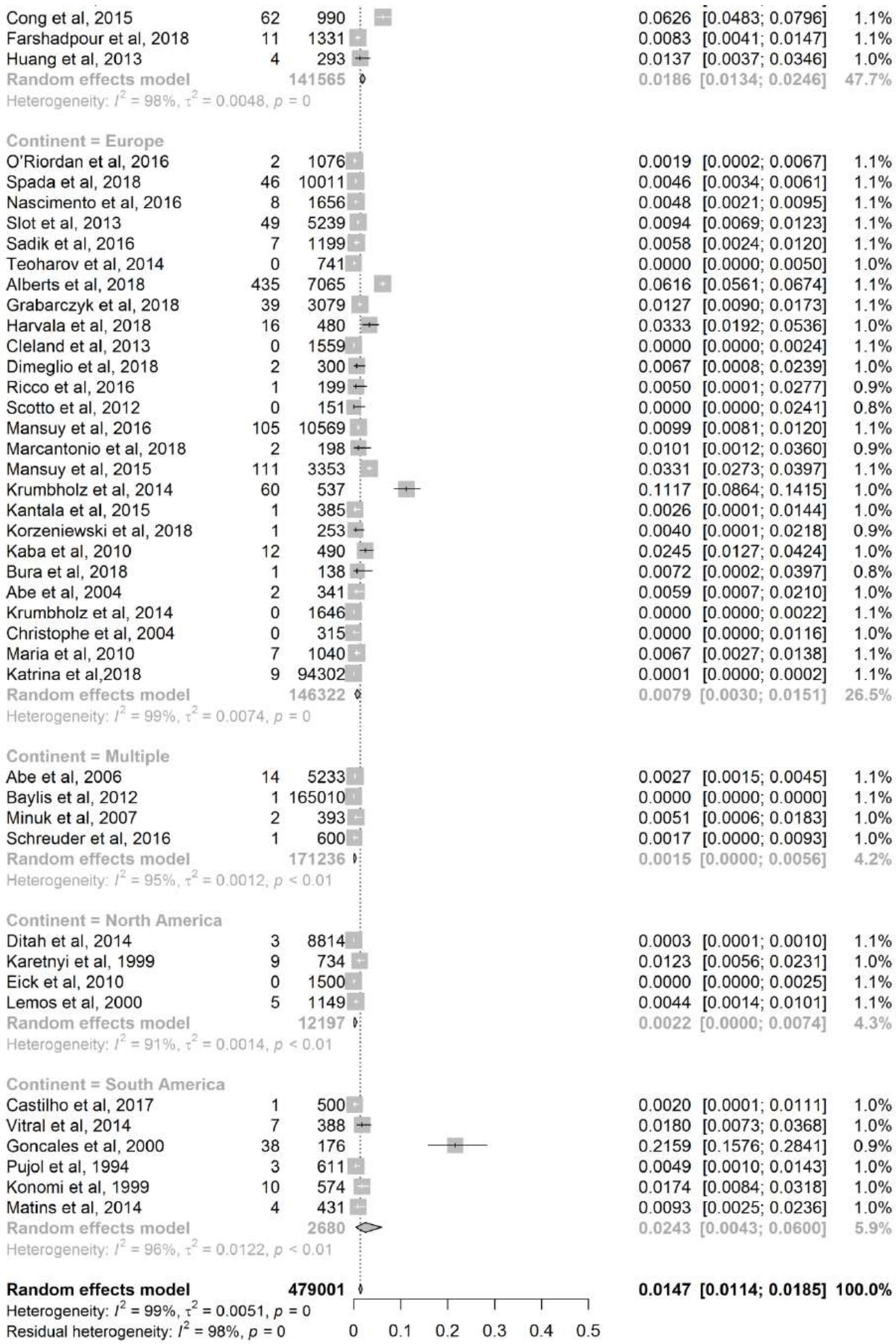

Olsen et al, 2006 10 108 0.0926 [0.0453; 0.1637] 0.3%
Bouwknegt et al, 2008 12 644 0.0186 [0.0097; 0.0323] 0.3%
Drobeniuc et al, 2001 63 255 0.2471 [0.1954; 0.3047] 0.3%
Galiana et al, 2008 4 97 0.0412 [0.0113; 0.1022] 0.3%
Dalton et al, 2017 11 464 0.0237 [0.0119; 0.0420] 0.3%
Colak et al, 2002 3 338 0.0089 [0.0018; 0.0257] 0.3%
Terzic et al, 2009 24 400 0.0600 [0.0388; 0.0880] 0.3%
Bayhan et al, 2016 17 408 0.0417 [0.0245; 0.0659] 0.3%
Abe et al, 2004 62 341 0.1818 [0.1423; 0.2269] 0.3%
Atabek et al, 2004 12 210 0.0571 [0.0299; 0.0977] 0.3%
Buti et al, 2008 57 1249 0.0456 [0.0347; 0.0587] 0.4%
Cevahir et al, 2013 23 185 0.1243 [0.0805; 0.1807] 0.3%
Kaya et al, 2007 2 589 0.0034 [0.0004; 0.0122] 0.3%
Krumbholz et al, 2014 16 1646 0.0097 [0.0056; 0.0157] 0.4%
Oliveira et al, 2017 4 352 0.0114 [0.0031; 0.0288] 0.3%
Sencan et al, 2003 34 476 0.0714 [0.0500; 0.0984] 0.3%
Ijaz et al, 2009 362 2731 0.1326 [0.1201; 0.1458] 0.4%
Serkan et al, 2005 27 386 0.0699 [0.0466; 0.1001] 0.3%
Christophe et al, 2004 24 315 0.0762 [0.0494; 0.1112] 0.3%
Maria et al, 2010 38 1040 0.0365 [0.0260; 0.0498] 0.3%
Cevrioglu et al, 2004 31 245 0.1265 [0.0876; 0.1748] 0.3%
Katrina et al, 2018 104 1714 0.0607 [0.0498; 0.0730] 0.4%
Random effects model 132419 0.0931 [0.0735; 0.1148] 33.8%
Heterogeneity: I^2 = 99%, τ^2 = 0.0312, p = 0
Continent = Multiple
Halliday et al, 2014 120 1048 0.1145 [0.0959; 0.1354] 0.3%
Abe et al, 2006 1720 5233 0.3287 [0.3160; 0.3416] 0.4%
Baylis et al, 2012 1 165010 0.0000 [0.0000; 0.0000] 0.4%
Schreuder et al, 2016 25 600 0.0417 [0.0271; 0.0609] 0.3%
Izopet et al, 2015 1083 2538 0.4267 [0.4074; 0.4462] 0.4%
Gambel et al, 1998 209 981 0.2130 [0.1878; 0.2400] 0.3%
Random effects model 175410 0.1464 [0.0040; 0.4367] 2.1%
Heterogeneity: I^2 = 100%, τ^2 = 0.1693, p = 0
Continent = North America
Minuk et al, 2007 11 393 0.0280 [0.0141; 0.0495] 0.3%
Quintana et al, 2005 11 209 0.0526 [0.0266; 0.0922] 0.3%
Villalba et al, 2014 47 469 0.1002 [0.0746; 0.1310] 0.3%
Fearon et al, 2017 241 4102 0.0588 [0.0517; 0.0664] 0.4%
Cangin et al, 2018 377 7656 0.0492 [0.0445; 0.0543] 0.4%
Ditah et al, 2014 490 8814 0.0556 [0.0509; 0.0606] 0.4%
Karetnyi et al, 1999 36 734 0.0490 [0.0346; 0.0673] 0.3%
Kuniholm et al, 2009 3916 18695 0.2095 [0.2037; 0.2154] 0.4%
Esquivel et al, 2014 100 273 0.3663 [0.3090; 0.4265] 0.3%
Eick et al, 2010 16 1500 0.0107 [0.0061; 0.0173] 0.4%
Whiters et al, 2002 3 125 0.0240 [0.0050; 0.0685] 0.3%
Munoz et al, 1999 374 3549 0.1054 [0.0955; 0.1160] 0.4%
Héctor et al, 2017 1 127 0.0079 [0.0002; 0.0431] 0.3%
Cosme et al, 2014 25 439 0.0569 [0.0372; 0.0829] 0.3%
Zhang et al, 2015 1352 6262 0.2159 [0.2058; 0.2263] 0.4%
Kyvernitakis et al, 2015 12 115 0.1043 [0.0551; 0.1752] 0.3%
Tashale et al, 2015 1081 13851 0.0780 [0.0736; 0.0826] 0.4%
Xu et al,2013 364 1939 0.1877 [0.1706; 0.2058] 0.4%
Stramer et al, 2015 27 200 0.1350 [0.0909; 0.1903] 0.3%
Meng et al, 2001 73 400 0.1825 [0.1459; 0.2239] 0.3%
Esquivel et al, 2015 10 150 0.0667 [0.0324; 0.1192] 0.3%
Esquivel et al, 2015 25 439 0.0569 [0.0372; 0.0829] 0.3%
Perez et al, 1996 17 399 0.0426 [0.0250; 0.0673] 0.3%
Lemos et al, 2000 16 1149 0.0139 [0.0080; 0.0225] 0.4%
Random effects model 71989 0.0805 [0.0547; 0.1109] 8.4%
Heterogeneity: I^2 = 99%, τ^2 = 0.0161, p = 0
Continent = Oceania
Moaven et al, 1995 17 550 0.0309 [0.0181; 0.0490] 0.3%
Hewitt et al, 2018 98 1013 0.0967 [0.0792; 0.1166] 0.3%
Random effects model 1563 0.0599 [0.0122; 0.1403] 0.7%
Heterogeneity: I^2 = 96%, τ^2 = 0.0094, p < 0.01
Continent = South America
Dell'Amico et al, 2011 12 123 0.0976 [0.0514; 0.1642] 0.3%
Castilho et al, 2017 49 500 0.0980 [0.0734; 0.1275] 0.3%
Castilho et al, 2016 30 300 0.1000 [0.0685; 0.1397] 0.3%
Vitral et al, 2014 50 388 0.1289 [0.0972; 0.1663] 0.3%
Talarmin et al, 1997 64 996 0.0643 [0.0498; 0.0813] 0.3%
Santos et al, 2002 17 699 0.0243 [0.0142; 0.0387] 0.3%
Bortoliero et al, 2006 23 996 0.0231 [0.0147; 0.0344] 0.3%
Paula et al, 2001 10 255 0.0392 [0.0190; 0.0709] 0.3%
Goncales et al, 2000 18 357 0.0504 [0.0302; 0.0785] 0.3%
Hardtke et al, 2018 91 408 0.2230 [0.1836; 0.2666] 0.3%
Pujol et al, 1994 23 611 0.0376 [0.0240; 0.0559] 0.3%
Konomi et al, 1999 93 574 0.1620 [0.1328; 0.1948] 0.3%
Ibarra et al, 1994 82 469 0.1748 [0.1415; 0.2123] 0.3%
Matins et al, 2014 24 431 0.0557 [0.0360; 0.0817] 0.3%
Gandolfo et al, 2003 4 435 0.0092 [0.0025; 0.0234] 0.3%
Rey et al, 1997 95 5196 0.0183 [0.0148; 0.0223] 0.4%
Wassaf et al,2014 19 433 0.0439 [0.0266; 0.0677] 0.3%
Munne et al, 2014 31 202 0.1535 [0.1067; 0.2107] 0.3%
Bartoloni et al, 1999 36 490 0.0735 [0.0520; 0.1003] 0.3%
Leon et al, 1999 64 318 0.2013 [0.1586; 0.2496] 0.3%
Trinta et al,2001 3 405 0.0074 [0.0015; 0.0215] 0.3%
Random effects model 14586 0.0728 [0.0483; 0.1019] 7.3%
Heterogeneity: I^2 = 97%, τ^2 = 0.0140, p < 0.01
Random effects model 1099717 0.1247 [0.1042; 0.1467] 100.0%
Heterogeneity: I^2 = 100%, τ^2 = 0.0769, p = 0
Residual heterogeneity: I^2 = 100%, p = 0
0 0.2 0.4 0.6 0.8

Figure S5. Forest plot of estimated pooled anti-HEV IgM seroprevalence among general population based on different continents.

Note: continent named multiple means people in the study are from more than one country and cannot be included into one continent.



Study	Events	Total	Proportion	95%-CI	Weight
Continent = Africa					
Meldal et al, 2013	14	239	0.0586	[0.0324; 0.0963]	0.9%
Grabow et al, 1994	16	782	0.0205	[0.0117; 0.0330]	1.0%
Houcine et al, 2012	20	687	0.0291	[0.0179; 0.0446]	1.0%
Ifeorah et al, 2017	1	750	0.0013	[0.0000; 0.0074]	1.0%
Azman et al, 2017	9	206	0.0437	[0.0202; 0.0813]	0.9%
Fowotade et al, 2018	16	177	0.0904	[0.0526; 0.1426]	0.9%
Aboulata et al, 2005	6	100	0.0600	[0.0223; 0.1260]	0.7%
Dorcas et al, 2018	1	393	0.0025	[0.0001; 0.0141]	1.0%
Niguse et al, 2018	8	846	0.0095	[0.0041; 0.0185]	1.1%
Adjei et al, 2009	29	157	0.1847	[0.1273; 0.2544]	0.8%
Paschale et al, 2016	7	278	0.0252	[0.0102; 0.0512]	0.9%
Abebe et al, 2017	2	386	0.0052	[0.0006; 0.0186]	1.0%
Random effects model		5001	0.0309	[0.0149; 0.0524]	11.4%
Heterogeneity: $I^2 = 93\%$, $\tau^2 = 0.0083$, $p < 0.01$					
Continent = Asia					
Yuan et al, 2017	16	1200	0.0133	[0.0076; 0.0216]	1.1%
Chen et al, 2019	43	4044	0.0106	[0.0077; 0.0143]	1.1%
Corwin et al, 1996	1	187	0.0053	[0.0001; 0.0294]	0.9%
Fatemeh et al, 2014	7	510	0.0137	[0.0055; 0.0281]	1.0%
Guo et al, 2009	420	44816	0.0094	[0.0085; 0.0103]	1.1%
Ahn et al, 2005	9	1030	0.0087	[0.0040; 0.0165]	1.1%
Asaei et al, 2015	9	1030	0.0087	[0.0040; 0.0165]	1.1%
Takahashi et al, 2010	9	22027	0.0004	[0.0002; 0.0008]	1.1%
Nasrallah et al, 2017	34	5854	0.0058	[0.0040; 0.0081]	1.1%
Nouhin et al, 2016	1	301	0.0033	[0.0001; 0.0184]	1.0%
Nouhin et al, 2018	54	2004	0.0269	[0.0203; 0.0350]	1.1%
Wang et al, 2017	131	9069	0.0144	[0.0121; 0.0171]	1.1%
Tripathy et al, 2018	5	2447	0.0020	[0.0007; 0.0048]	1.1%
Zhu et al, 2008	180	4654	0.0387	[0.0333; 0.0446]	1.1%
Sakata et al, 2008	14	1389	0.0101	[0.0055; 0.0169]	1.1%
Yang et al, 2014	51	2028	0.0251	[0.0188; 0.0329]	1.1%
Shrestha et al, 2016	54	1686	0.0320	[0.0242; 0.0416]	1.1%
Ren et al, 2013	109	10741	0.0101	[0.0083; 0.0122]	1.1%
Gajjar et al, 2014	22	460	0.0478	[0.0302; 0.0715]	1.0%
Fukuda et al, 2007	6	3185	0.0019	[0.0007; 0.0041]	1.1%
Feng et al, 2018	16	1912	0.0084	[0.0048; 0.0136]	1.1%
Cai et al, 2016	21	1842	0.0114	[0.0071; 0.0174]	1.1%
Ding et al, 2003	1	533	0.0019	[0.0000; 0.0104]	1.0%
Jahromi et al, 2013	11	477	0.0231	[0.0116; 0.0409]	1.0%
Poovorawan et al, 1996	5	1038	0.0048	[0.0016; 0.0112]	1.1%
Johargy et al, 2013	39	900	0.0433	[0.0310; 0.0588]	1.1%
Ma et al, 2010	9	2090	0.0043	[0.0020; 0.0082]	1.1%
Li et al, 2011	11	173	0.0636	[0.0322; 0.1109]	0.9%
Li et al, 2014	31	1638	0.0189	[0.0129; 0.0268]	1.1%
Intharasongkroh et al, 2019	0	1019	0.0000	[0.0000; 0.0036]	1.1%
Ghorbani et al, 2007	0	800	0.0000	[0.0000; 0.0046]	1.0%
Sheikh et al, 2002	20	273	0.0733	[0.0453; 0.1109]	0.9%
Davaalkham et al, 2009	0	520	0.0000	[0.0000; 0.0071]	1.0%
Goto et al, 2006	2	344	0.0058	[0.0007; 0.0208]	1.0%
Gupta et al, 2015	24	252	0.0952	[0.0620; 0.1384]	0.9%
Mathur et al, 2001	244	2070	0.1179	[0.1043; 0.1326]	1.1%
Meng et al, 2015	50	1500	0.0333	[0.0248; 0.0437]	1.1%
Bira et al, 2007	0	717	0.0000	[0.0000; 0.0051]	1.0%
Toole et al, 2006	0	426	0.0000	[0.0000; 0.0086]	1.0%
Li et al, 2019	24	946	0.0254	[0.0163; 0.0375]	1.1%
Rui et al, 2018	8	225	0.0356	[0.0155; 0.0689]	0.9%
Premashis et al, 2008	53	125	0.4240	[0.3361; 0.5156]	0.8%
Kumar et al, 2001	93	469	0.1983	[0.1631; 0.2373]	1.0%



Cong et al, 2015 62 990 0.0626 [0.0483; 0.0796] 1.1%
Farshadpour et al, 2018 11 1331 0.0083 [0.0041; 0.0147] 1.1%
Huang et al, 2013 4 293 0.0137 [0.0037; 0.0346] 1.0%
Random effects model 141565 0.0186 [0.0134; 0.0246] 47.7%
Heterogeneity: I^2 = 98%, τ^2 = 0.0048, p = 0
Continent = Europe
O'Riordan et al, 2016 2 1076 0.0019 [0.0002; 0.0067] 1.1%
Spada et al, 2018 46 10011 0.0046 [0.0034; 0.0061] 1.1%
Nascimento et al, 2016 8 1656 0.0048 [0.0021; 0.0095] 1.1%
Slot et al, 2013 49 5239 0.0094 [0.0069; 0.0123] 1.1%
Sadik et al, 2016 7 1199 0.0058 [0.0024; 0.0120] 1.1%
Teoharov et al, 2014 0 741 0.0000 [0.0000; 0.0050] 1.0%
Alberts et al, 2018 435 7065 0.0616 [0.0561; 0.0674] 1.1%
Grabarczyk et al, 2018 39 3079 0.0127 [0.0090; 0.0173] 1.1%
Harvala et al, 2018 16 480 0.0333 [0.0192; 0.0536] 1.0%
Cleland et al, 2013 0 1559 0.0000 [0.0000; 0.0024] 1.1%
Dimeglio et al, 2018 2 300 0.0067 [0.0008; 0.0239] 1.0%
Ricco et al, 2016 1 199 0.0050 [0.0001; 0.0277] 0.9%
Scotto et al, 2012 0 151 0.0000 [0.0000; 0.0241] 0.8%
Mansuy et al, 2016 105 10569 0.0099 [0.0081; 0.0120] 1.1%
Marcantonio et al, 2018 2 198 0.0101 [0.0012; 0.0360] 0.9%
Mansuy et al, 2015 111 3353 0.0331 [0.0273; 0.0397] 1.1%
Krumbholz et al, 2014 60 537 0.1117 [0.0864; 0.1415] 1.0%
Kantala et al, 2015 1 385 0.0026 [0.0001; 0.0144] 1.0%
Korzeniewski et al, 2018 1 253 0.0040 [0.0001; 0.0218] 0.9%
Kaba et al, 2010 12 490 0.0245 [0.0127; 0.0424] 1.0%
Bura et al, 2018 1 138 0.0072 [0.0002; 0.0397] 0.8%
Abe et al, 2004 2 341 0.0059 [0.0007; 0.0210] 1.0%
Krumbholz et al, 2014 0 1646 0.0000 [0.0000; 0.0022] 1.1%
Christophe et al, 2004 0 315 0.0000 [0.0000; 0.0116] 1.0%
Maria et al, 2010 7 1040 0.0067 [0.0027; 0.0138] 1.1%
Katrina et al,2018 9 94302 0.0001 [0.0000; 0.0002] 1.1%
Random effects model 146322 0.0079 [0.0030; 0.0151] 26.5%
Heterogeneity: I^2 = 99%, τ^2 = 0.0074, p = 0
Continent = Multiple
Abe et al, 2006 14 5233 0.0027 [0.0015; 0.0045] 1.1%
Baylis et al, 2012 1 165010 0.0000 [0.0000; 0.0000] 1.1%
Minuk et al, 2007 2 393 0.0051 [0.0006; 0.0183] 1.0%
Schreuder et al, 2016 1 600 0.0017 [0.0000; 0.0093] 1.0%
Random effects model 171236 0.0015 [0.0000; 0.0056] 4.2%
Heterogeneity: I^2 = 95%, τ^2 = 0.0012, p < 0.01
Continent = North America
Ditah et al, 2014 3 8814 0.0003 [0.0001; 0.0010] 1.1%
Karetnyi et al, 1999 9 734 0.0123 [0.0056; 0.0231] 1.0%
Eick et al, 2010 0 1500 0.0000 [0.0000; 0.0025] 1.1%
Lemos et al, 2000 5 1149 0.0044 [0.0014; 0.0101] 1.1%
Random effects model 12197 0.0022 [0.0000; 0.0074] 4.3%
Heterogeneity: I^2 = 91%, τ^2 = 0.0014, p < 0.01
Continent = South America
Castilho et al, 2017 1 500 0.0020 [0.0001; 0.0111] 1.0%
Vitral et al, 2014 7 388 0.0180 [0.0073; 0.0368] 1.0%
Goncales et al, 2000 38 176 0.2159 [0.1576; 0.2841] 0.9%
Pujol et al, 1994 3 611 0.0049 [0.0010; 0.0143] 1.0%
Konomi et al, 1999 10 574 0.0174 [0.0084; 0.0318] 1.0%
Matins et al, 2014 4 431 0.0093 [0.0025; 0.0236] 1.0%
Random effects model 2680 0.0243 [0.0043; 0.0600] 5.9%
Heterogeneity: I^2 = 96%, τ^2 = 0.0122, p < 0.01
Random effects model 479001 0.0147 [0.0114; 0.0185] 100.0%
Heterogeneity: I^2 = 99%, τ^2 = 0.0051, p = 0
Residual heterogeneity: I^2 = 98%, p = 0
0 0.1 0.2 0.3 0.4 0.5

Figure S6. Forest plot of estimated pooled HEV RNA positive rate among general population based on different continents.

Note: continent named multiple means people in the study are from more than one country and cannot be included into one continent.

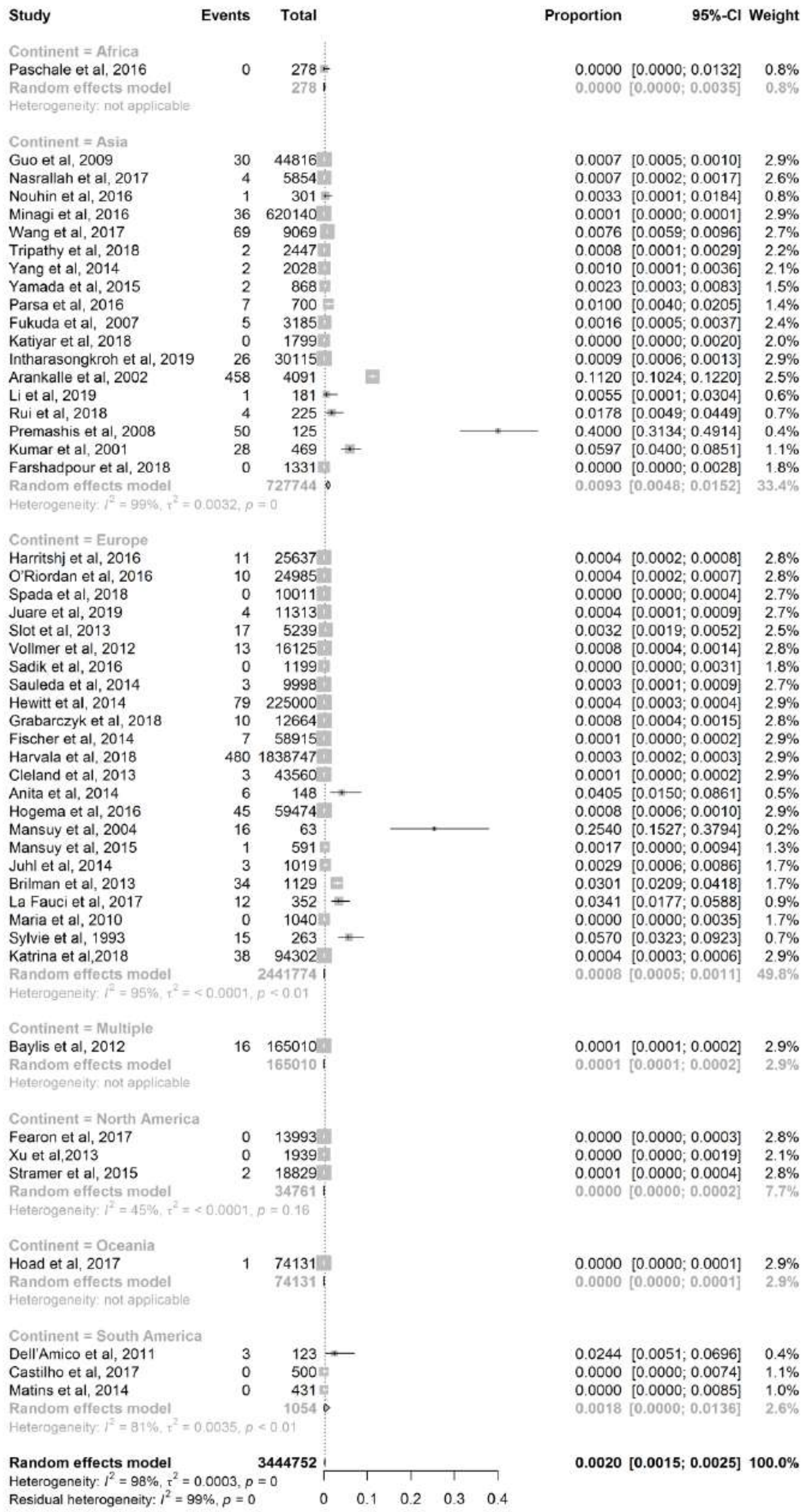
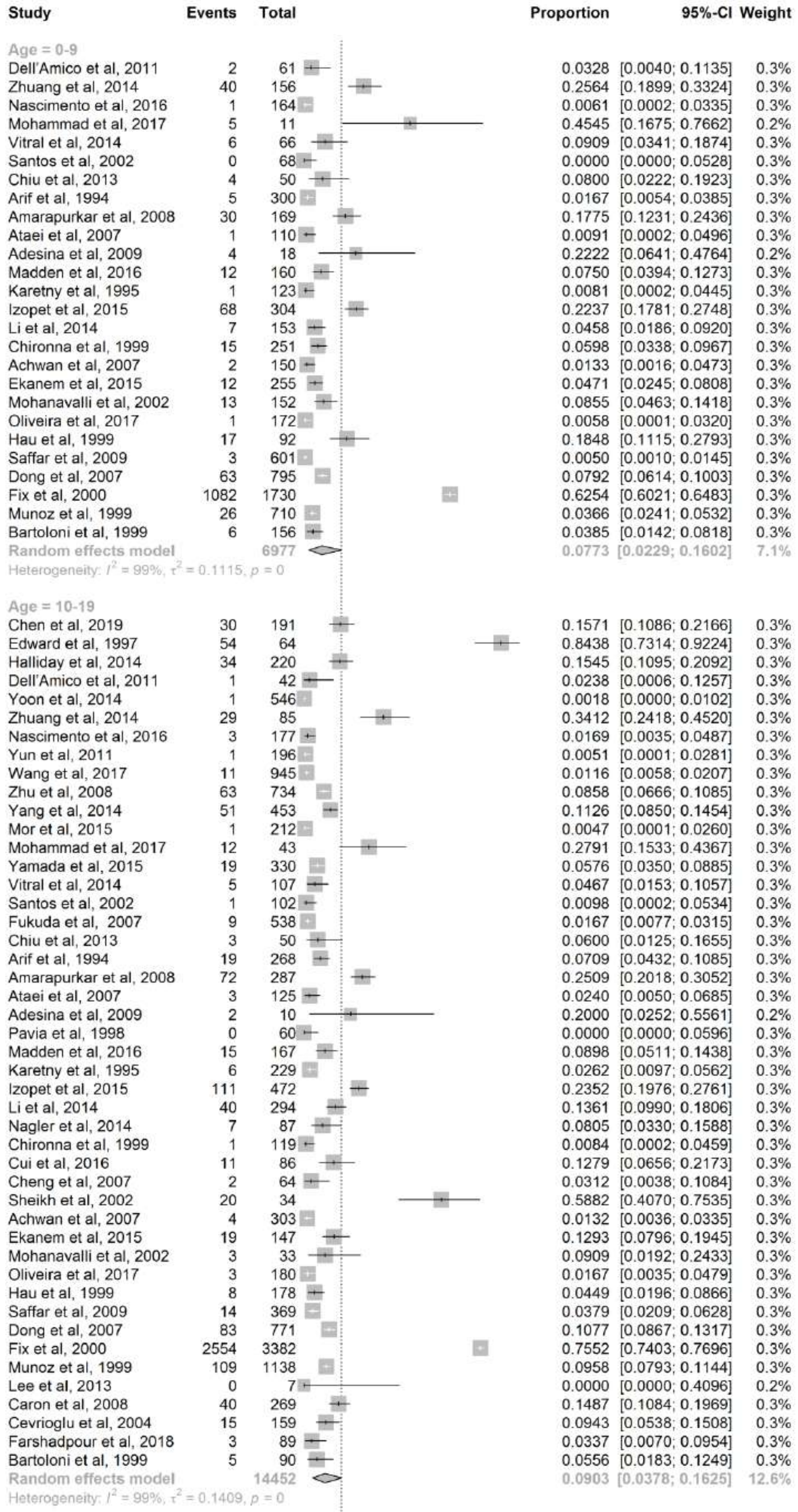
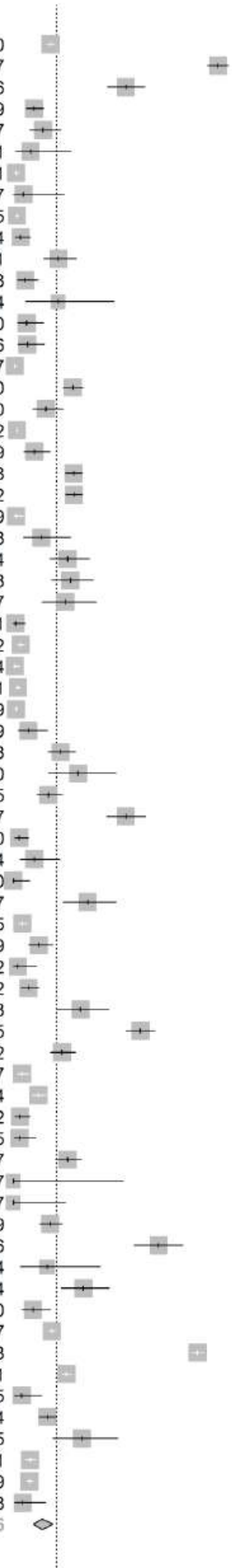


Figure S7. Forest plot of estimated pooled anti-HEV IgG seroprevalence among general population with different ages.

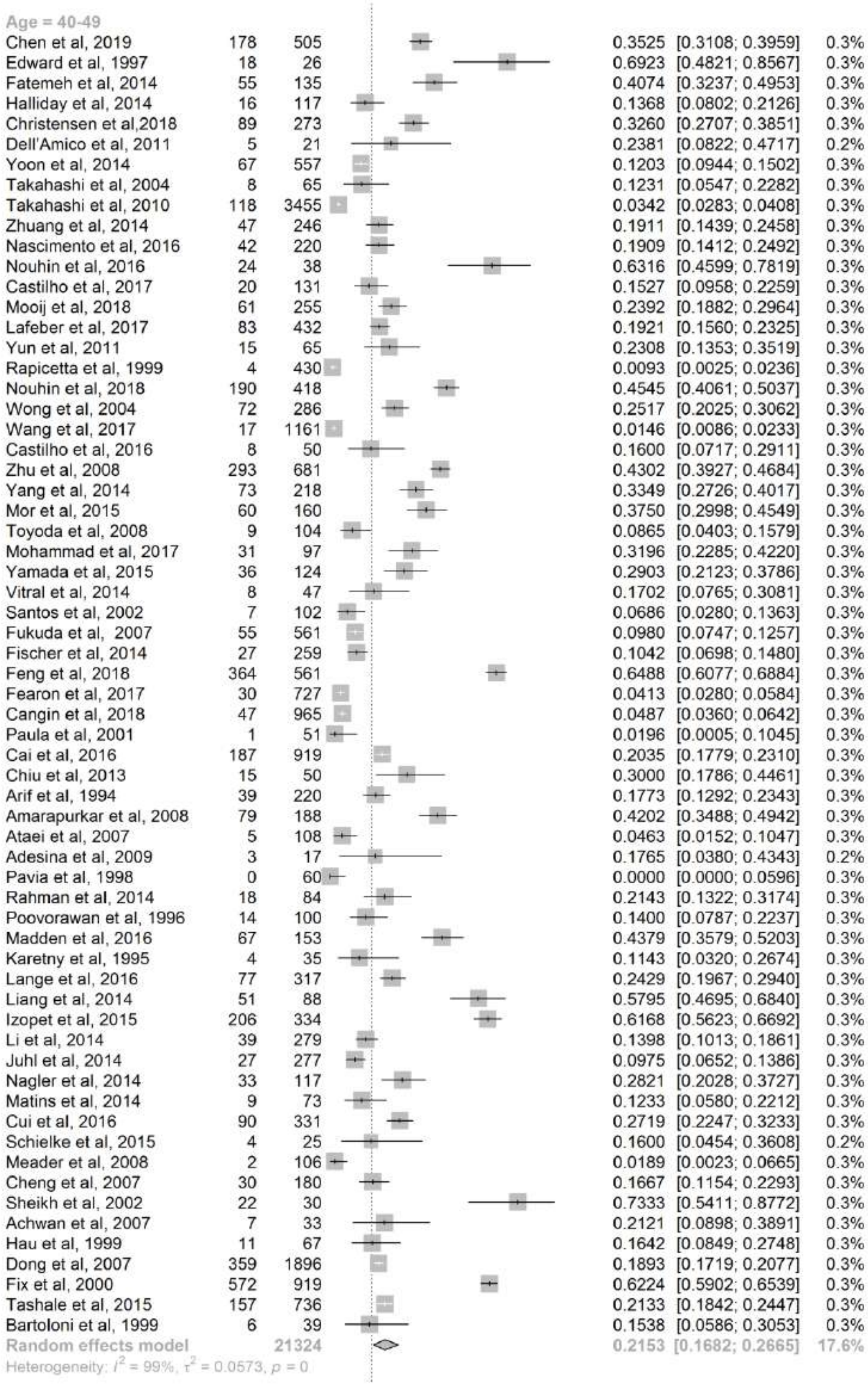


Study	Events	Total	Proportion	95% CI	Weight
Age = 20-29					
Chen et al, 2019	286	2070	0.1382	[0.1236; 0.1538]	0.3%
Edward et al, 1997	363	477	0.7610	[0.7201; 0.7986]	0.3%
Fatemeh et al, 2014	86	206	0.4175	[0.3493; 0.4880]	0.3%
Halliday et al, 2014	23	299	0.0769	[0.0494; 0.1132]	0.3%
Christensen et al,2018	14	127	0.1102	[0.0616; 0.1780]	0.3%
Dell'Amico et al, 2011	2	31	0.0645	[0.0079; 0.2142]	0.3%
Yoon et al, 2014	6	521	0.0115	[0.0042; 0.0249]	0.3%
Takahashi et al, 2004	1	27	0.0370	[0.0009; 0.1897]	0.3%
Takahashi et al, 2010	22	1545	0.0142	[0.0089; 0.0215]	0.3%
Nascimento et al, 2016	5	184	0.0272	[0.0089; 0.0623]	0.3%
Nouhin et al, 2016	27	161	0.1677	[0.1135; 0.2345]	0.3%
Castilho et al, 2017	6	138	0.0435	[0.0161; 0.0922]	0.3%
Mooij et al, 2018	4	24	0.1667	[0.0474; 0.3738]	0.2%
Lafeber et al, 2017	5	100	0.0500	[0.0164; 0.1128]	0.3%
Yun et al, 2011	5	96	0.0521	[0.0171; 0.1174]	0.3%
Rapicetta et al, 1999	3	517	0.0058	[0.0012; 0.0169]	0.3%
Nouhin et al, 2018	115	520	0.2212	[0.1862; 0.2593]	0.3%
Wong et al, 2004	17	140	0.1214	[0.0724; 0.1873]	0.3%
Wang et al, 2017	61	4302	0.0142	[0.0109; 0.0182]	0.3%
Castilho et al, 2016	11	139	0.0791	[0.0402; 0.1372]	0.3%
Zhu et al, 2008	152	678	0.2242	[0.1933; 0.2575]	0.3%
Yang et al, 2014	165	732	0.2254	[0.1956; 0.2574]	0.3%
Mor et al, 2015	2	189	0.0106	[0.0013; 0.0377]	0.3%
Toyoda et al, 2008	6	58	0.1034	[0.0389; 0.2117]	0.3%
Mohammad et al, 2017	25	124	0.2016	[0.1349; 0.2831]	0.3%
Yamada et al, 2015	25	118	0.2119	[0.1420; 0.2967]	0.3%
Vitral et al, 2014	13	67	0.1940	[0.1076; 0.3089]	0.3%
Santos et al, 2002	1	121	0.0083	[0.0002; 0.0452]	0.3%
Fukuda et al, 2007	19	702	0.0271	[0.0164; 0.0419]	0.3%
Fischer et al, 2014	2	314	0.0064	[0.0008; 0.0228]	0.3%
Fearon et al, 2017	15	921	0.0163	[0.0091; 0.0267]	0.3%
Cangin et al, 2018	33	3179	0.0104	[0.0072; 0.0145]	0.3%
Paula et al, 2001	5	89	0.0562	[0.0185; 0.1263]	0.3%
Cai et al, 2016	40	228	0.1754	[0.1284; 0.2311]	0.3%
Chiu et al, 2013	12	50	0.2400	[0.1306; 0.3817]	0.3%
Arif et al, 1994	28	215	0.1302	[0.0883; 0.1827]	0.3%
Amarapurkar et al, 2008	78	187	0.4171	[0.3456; 0.4913]	0.3%
Ataei et al, 2007	4	180	0.0222	[0.0061; 0.0559]	0.3%
Adesina et al, 2009	5	64	0.0781	[0.0259; 0.1730]	0.3%
Pavia et al, 1998	0	60	0.0000	[0.0000; 0.0596]	0.3%
Rahman et al, 2014	24	87	0.2759	[0.1854; 0.3821]	0.3%
Poovorawan et al, 1996	20	595	0.0336	[0.0207; 0.0514]	0.3%
Madden et al, 2016	17	179	0.0950	[0.0563; 0.1477]	0.3%
Karetny et al, 1995	1	62	0.0161	[0.0004; 0.0866]	0.3%
Lange et al, 2016	12	212	0.0566	[0.0296; 0.0968]	0.3%
Liang et al, 2014	22	88	0.2500	[0.1638; 0.3537]	0.3%
Izopet et al, 2015	158	335	0.4716	[0.4172; 0.5266]	0.3%
Li et al, 2014	51	282	0.1809	[0.1377; 0.2308]	0.3%
Juhl et al, 2014	11	347	0.0317	[0.0159; 0.0560]	0.3%
Nagler et al, 2014	51	544	0.0938	[0.0706; 0.1214]	0.3%
Matins et al, 2014	4	162	0.0247	[0.0068; 0.0620]	0.3%
Chironna et al, 1999	2	85	0.0235	[0.0029; 0.0824]	0.3%
Cui et al, 2016	58	287	0.2021	[0.1572; 0.2533]	0.3%
Schielke et al, 2015	0	7	0.0000	[0.0000; 0.4096]	0.2%
Meader et al, 2008	0	17	0.0000	[0.0000; 0.1951]	0.2%
Cheng et al, 2007	38	279	0.1362	[0.0982; 0.1821]	0.3%
Sheikh et al, 2002	68	126	0.5397	[0.4486; 0.6288]	0.3%
Achwan et al, 2007	3	24	0.1250	[0.0266; 0.3236]	0.2%
Hau et al, 1999	27	104	0.2596	[0.1786; 0.3548]	0.3%
Saffar et al, 2009	8	110	0.0727	[0.0319; 0.1383]	0.3%
Dong et al, 2007	389	2707	0.1437	[0.1307; 0.1575]	0.3%
Fix et al, 2000	1124	1643	0.6841	[0.6610; 0.7066]	0.3%
Munoz et al, 1999	336	1701	0.1975	[0.1789; 0.2173]	0.3%
Lee et al, 2013	2	65	0.0308	[0.0037; 0.1068]	0.3%
Caron et al, 2008	51	404	0.1262	[0.0955; 0.1626]	0.3%
Cevrioglu et al, 2004	14	55	0.2545	[0.1467; 0.3900]	0.3%
Farshadpour et al, 2018	47	751	0.0626	[0.0463; 0.0824]	0.3%
Tashale et al, 2015	130	2149	0.0605	[0.0508; 0.0714]	0.3%
Bartoloni et al, 1999	2	58	0.0345	[0.0042; 0.1191]	0.3%
Random effects model		33365	0.1078	[0.0744; 0.1464]	19.0%

Heterogeneity: $I^2 = 99\%$, $\tau^2 = 0.0584$, $p = 0$



Age = 30-39					
Chen et al, 2019	270	1211	0.2230	[0.1998; 0.2475]	0.3%
Edward et al, 1997	136	190	0.7158	[0.6460; 0.7787]	0.3%
Fatemeh et al, 2014	25	135	0.1852	[0.1236; 0.2611]	0.3%
Halliday et al, 2014	21	237	0.0886	[0.0557; 0.1323]	0.3%
Christensen et al,2018	45	198	0.2273	[0.1709; 0.2920]	0.3%
Dell'Amico et al, 2011	1	25	0.0400	[0.0010; 0.2035]	0.2%
Yoon et al, 2014	13	553	0.0235	[0.0126; 0.0399]	0.3%
Takahashi et al, 2004	5	47	0.1064	[0.0355; 0.2310]	0.3%
Takahashi et al, 2010	63	2400	0.0262	[0.0202; 0.0335]	0.3%
Nascimento et al, 2016	29	225	0.1289	[0.0880; 0.1798]	0.3%
Nouhin et al, 2016	37	102	0.3627	[0.2698; 0.4639]	0.3%
Castilho et al, 2017	17	183	0.0929	[0.0551; 0.1446]	0.3%
Mooij et al, 2018	7	75	0.0933	[0.0384; 0.1829]	0.3%
Lafeber et al, 2017	27	179	0.1508	[0.1018; 0.2118]	0.3%
Yun et al, 2011	7	98	0.0714	[0.0292; 0.1416]	0.3%
Rapicetta et al, 1999	3	448	0.0067	[0.0014; 0.0194]	0.3%
Nouhin et al, 2018	196	573	0.3421	[0.3032; 0.3825]	0.3%
Wong et al, 2004	45	219	0.2055	[0.1540; 0.2651]	0.3%
Wang et al, 2017	34	2489	0.0137	[0.0095; 0.0190]	0.3%
Castilho et al, 2016	5	84	0.0595	[0.0196; 0.1335]	0.3%
Zhu et al, 2008	251	624	0.4022	[0.3635; 0.4419]	0.3%
Yang et al, 2014	220	625	0.3520	[0.3145; 0.3909]	0.3%
Mor et al, 2015	14	168	0.0833	[0.0463; 0.1359]	0.3%
Toyoda et al, 2008	9	94	0.0957	[0.0447; 0.1740]	0.3%
Mohammad et al, 2017	10	66	0.1515	[0.0751; 0.2610]	0.3%
Yamada et al, 2015	32	136	0.2353	[0.1668; 0.3156]	0.3%
Vitral et al, 2014	18	101	0.1782	[0.1092; 0.2670]	0.3%
Santos et al, 2002	1	87	0.0115	[0.0003; 0.0624]	0.3%
Fukuda et al, 2007	53	1150	0.0461	[0.0347; 0.0599]	0.3%
Fischer et al, 2014	7	235	0.0298	[0.0121; 0.0604]	0.3%
Feng et al, 2018	104	235	0.4426	[0.3780; 0.5086]	0.3%
Fearon et al, 2017	10	524	0.0191	[0.0092; 0.0348]	0.3%
Cangin et al, 2018	19	923	0.0206	[0.0124; 0.0320]	0.3%
Paula et al, 2001	3	55	0.0545	[0.0114; 0.1512]	0.3%
Cai et al, 2016	59	313	0.1885	[0.1467; 0.2363]	0.3%
Chiu et al, 2013	8	50	0.1600	[0.0717; 0.2911]	0.3%
Arif et al, 1994	36	240	0.1500	[0.1073; 0.2016]	0.3%
Amarapurkar et al, 2008	87	201	0.4328	[0.3633; 0.5044]	0.3%
Ataei et al, 2007	7	145	0.0483	[0.0196; 0.0969]	0.3%
Adesina et al, 2009	8	64	0.1250	[0.0555; 0.2315]	0.3%
Pavia et al, 1998	0	61	0.0000	[0.0000; 0.0587]	0.3%
Rahman et al, 2014	24	60	0.4000	[0.2756; 0.5346]	0.3%
Poovorawan et al, 1996	14	152	0.0921	[0.0513; 0.1497]	0.3%
Madden et al, 2016	42	142	0.2958	[0.2222; 0.3781]	0.3%
Karetny et al, 1995	1	36	0.0278	[0.0007; 0.1453]	0.3%
Lange et al, 2016	21	373	0.0563	[0.0352; 0.0848]	0.3%
Liang et al, 2014	24	76	0.3158	[0.2139; 0.4325]	0.3%
Izopet et al, 2015	202	330	0.6121	[0.5572; 0.6650]	0.3%
Li et al, 2014	70	411	0.1703	[0.1352; 0.2102]	0.3%
Juhl et al, 2014	5	134	0.0373	[0.0122; 0.0849]	0.3%
Nagler et al, 2014	28	209	0.1340	[0.0909; 0.1878]	0.3%
Matins et al, 2014	3	114	0.0263	[0.0055; 0.0750]	0.3%
Chironna et al, 1999	2	71	0.0282	[0.0034; 0.0981]	0.3%
Cui et al, 2016	55	254	0.2165	[0.1675; 0.2723]	0.3%
Schielke et al, 2015	0	9	0.0000	[0.0000; 0.3363]	0.2%
Meader et al, 2008	1	61	0.0164	[0.0004; 0.0880]	0.3%
Cheng et al, 2007	39	231	0.1688	[0.1229; 0.2235]	0.3%
Sheikh et al, 2002	48	76	0.6316	[0.5131; 0.7394]	0.3%
Achwan et al, 2007	7	29	0.2414	[0.1030; 0.4354]	0.3%
Hau et al, 1999	25	87	0.2874	[0.1954; 0.3943]	0.3%
Dong et al, 2007	267	1540	0.1734	[0.1548; 0.1932]	0.3%
Fix et al, 2000	831	1340	0.6201	[0.5935; 0.6462]	0.3%
Lee et al, 2013	0	28	0.0000	[0.0000; 0.1234]	0.3%
Caron et al, 2008	28	167	0.1677	[0.1144; 0.2331]	0.3%
Farshadpour et al, 2018	34	494	0.0688	[0.0481; 0.0949]	0.3%
Tashale et al, 2015	137	964	0.1421	[0.1207; 0.1658]	0.3%
Bartoloni et al, 1999	9	61	0.1475	[0.0698; 0.2617]	0.3%
Random effects model		23217	0.1417	[0.1027; 0.1857]	18.5%
Heterogeneity: $I^2 = 99\%$, $\tau^2 = 0.0598$, $p = 0$					



Age = 40-49
Chen et al, 2019 178 505 0.3525 [0.3108; 0.3959] 0.3%
Edward et al, 1997 18 26 0.6923 [0.4821; 0.8567] 0.3%
Fatemeh et al, 2014 55 135 0.4074 [0.3237; 0.4953] 0.3%
Halliday et al, 2014 16 117 0.1368 [0.0802; 0.2126] 0.3%
Christensen et al,2018 89 273 0.3260 [0.2707; 0.3851] 0.3%
Dell'Amico et al, 2011 5 21 0.2381 [0.0822; 0.4717] 0.2%
Yoon et al, 2014 67 557 0.1203 [0.0944; 0.1502] 0.3%
Takahashi et al, 2004 8 65 0.1231 [0.0547; 0.2282] 0.3%
Takahashi et al, 2010 118 3455 0.0342 [0.0283; 0.0408] 0.3%
Zhuang et al, 2014 47 246 0.1911 [0.1439; 0.2458] 0.3%
Nascimento et al, 2016 42 220 0.1909 [0.1412; 0.2492] 0.3%
Nouhin et al, 2016 24 38 0.6316 [0.4599; 0.7819] 0.3%
Castilho et al, 2017 20 131 0.1527 [0.0958; 0.2259] 0.3%
Mooij et al, 2018 61 255 0.2392 [0.1882; 0.2964] 0.3%
Lafeber et al, 2017 83 432 0.1921 [0.1560; 0.2325] 0.3%
Yun et al, 2011 15 65 0.2308 [0.1353; 0.3519] 0.3%
Rapicetta et al, 1999 4 430 0.0093 [0.0025; 0.0236] 0.3%
Nouhin et al, 2018 190 418 0.4545 [0.4061; 0.5037] 0.3%
Wong et al, 2004 72 286 0.2517 [0.2025; 0.3062] 0.3%
Wang et al, 2017 17 1161 0.0146 [0.0086; 0.0233] 0.3%
Castilho et al, 2016 8 50 0.1600 [0.0717; 0.2911] 0.3%
Zhu et al, 2008 293 681 0.4302 [0.3927; 0.4684] 0.3%
Yang et al, 2014 73 218 0.3349 [0.2726; 0.4017] 0.3%
Mor et al, 2015 60 160 0.3750 [0.2998; 0.4549] 0.3%
Toyoda et al, 2008 9 104 0.0865 [0.0403; 0.1579] 0.3%
Mohammad et al, 2017 31 97 0.3196 [0.2285; 0.4220] 0.3%
Yamada et al, 2015 36 124 0.2903 [0.2123; 0.3786] 0.3%
Vitral et al, 2014 8 47 0.1702 [0.0765; 0.3081] 0.3%
Santos et al, 2002 7 102 0.0686 [0.0280; 0.1363] 0.3%
Fukuda et al, 2007 55 561 0.0980 [0.0747; 0.1257] 0.3%
Fischer et al, 2014 27 259 0.1042 [0.0698; 0.1480] 0.3%
Feng et al, 2018 364 561 0.6488 [0.6077; 0.6884] 0.3%
Fearon et al, 2017 30 727 0.0413 [0.0280; 0.0584] 0.3%
Cangin et al, 2018 47 965 0.0487 [0.0360; 0.0642] 0.3%
Paula et al, 2001 1 51 0.0196 [0.0005; 0.1045] 0.3%
Cai et al, 2016 187 919 0.2035 [0.1779; 0.2310] 0.3%
Chiu et al, 2013 15 50 0.3000 [0.1786; 0.4461] 0.3%
Arif et al, 1994 39 220 0.1773 [0.1292; 0.2343] 0.3%
Amarapurkar et al, 2008 79 188 0.4202 [0.3488; 0.4942] 0.3%
Ataei et al, 2007 5 108 0.0463 [0.0152; 0.1047] 0.3%
Adesina et al, 2009 3 17 0.1765 [0.0380; 0.4343] 0.2%
Pavia et al, 1998 0 60 0.0000 [0.0000; 0.0596] 0.3%
Rahman et al, 2014 18 84 0.2143 [0.1322; 0.3174] 0.3%
Poovorawan et al, 1996 14 100 0.1400 [0.0787; 0.2237] 0.3%
Madden et al, 2016 67 153 0.4379 [0.3579; 0.5203] 0.3%
Karetny et al, 1995 4 35 0.1143 [0.0320; 0.2674] 0.3%
Lange et al, 2016 77 317 0.2429 [0.1967; 0.2940] 0.3%
Liang et al, 2014 51 88 0.5795 [0.4695; 0.6840] 0.3%
Izopet et al, 2015 206 334 0.6168 [0.5623; 0.6692] 0.3%
Li et al, 2014 39 279 0.1398 [0.1013; 0.1861] 0.3%
Juhl et al, 2014 27 277 0.0975 [0.0652; 0.1386] 0.3%
Nagler et al, 2014 33 117 0.2821 [0.2028; 0.3727] 0.3%
Matins et al, 2014 9 73 0.1233 [0.0580; 0.2212] 0.3%
Cui et al, 2016 90 331 0.2719 [0.2247; 0.3233] 0.3%
Schielke et al, 2015 4 25 0.1600 [0.0454; 0.3608] 0.2%
Meader et al, 2008 2 106 0.0189 [0.0023; 0.0665] 0.3%
Cheng et al, 2007 30 180 0.1667 [0.1154; 0.2293] 0.3%
Sheikh et al, 2002 22 30 0.7333 [0.5411; 0.8772] 0.3%
Achwan et al, 2007 7 33 0.2121 [0.0898; 0.3891] 0.3%
Hau et al, 1999 11 67 0.1642 [0.0849; 0.2748] 0.3%
Dong et al, 2007 359 1896 0.1893 [0.1719; 0.2077] 0.3%
Fix et al, 2000 572 919 0.6224 [0.5902; 0.6539] 0.3%
Tashale et al, 2015 157 736 0.2133 [0.1842; 0.2447] 0.3%
Bartoloni et al, 1999 6 39 0.1538 [0.0586; 0.3053] 0.3%
Random effects model 21324 0.2153 [0.1682; 0.2665] 17.6%
Heterogeneity: I^2 = 99%, τ^2 = 0.0573, p = 0

Study	Events	Total	Proportion	95% CI	Weight
Age = 50-59					
Chen et al, 2019	35	67	0.5224	[0.3967; 0.6460]	0.3%
Fatemeh et al, 2014	70	80	0.8750	[0.7821; 0.9384]	0.3%
Halliday et al, 2014	7	45	0.1556	[0.0649; 0.2946]	0.3%
Christensen et al,2018	97	226	0.4292	[0.3638; 0.4965]	0.3%
Dell'Amico et al, 2011	1	29	0.0345	[0.0009; 0.1776]	0.3%
Yoon et al, 2014	57	273	0.2088	[0.1621; 0.2619]	0.3%
Takahashi et al, 2004	4	40	0.1000	[0.0279; 0.2366]	0.3%
Takahashi et al, 2010	274	4458	0.0615	[0.0546; 0.0689]	0.3%
Zhuang et al, 2014	61	198	0.3081	[0.2446; 0.3774]	0.3%
Nascimento et al, 2016	53	206	0.2573	[0.1991; 0.3226]	0.3%
Castilho et al, 2017	6	48	0.1250	[0.0473; 0.2525]	0.3%
Mooij et al, 2018	169	561	0.3012	[0.2635; 0.3411]	0.3%
Lafeber et al, 2017	166	661	0.2511	[0.2185; 0.2860]	0.3%
Rapicetta et al, 1999	9	366	0.0246	[0.0113; 0.0462]	0.3%
Nouhin et al, 2018	322	492	0.6545	[0.6106; 0.6965]	0.3%
Wong et al, 2004	42	162	0.2593	[0.1937; 0.3339]	0.3%
Wang et al, 2017	8	172	0.0465	[0.0203; 0.0896]	0.3%
Castilho et al, 2016	6	27	0.2222	[0.0862; 0.4226]	0.3%
Zhu et al, 2008	288	647	0.4451	[0.4064; 0.4844]	0.3%
Toyoda et al, 2008	8	120	0.0667	[0.0292; 0.1271]	0.3%
Mohammad et al, 2017	31	62	0.5000	[0.3702; 0.6298]	0.3%
Yamada et al, 2015	30	85	0.3529	[0.2523; 0.4641]	0.3%
Santos et al, 2002	0	94	0.0000	[0.0000; 0.0385]	0.3%
Fukuda et al, 2007	8	34	0.2353	[0.1075; 0.4117]	0.3%
Fischer et al, 2014	42	75	0.5600	[0.4406; 0.6745]	0.3%
Feng et al, 2018	541	695	0.7784	[0.7457; 0.8088]	0.3%
Fearon et al, 2017	186	1689	0.1101	[0.0956; 0.1260]	0.3%
Cangin et al, 2018	78	880	0.0886	[0.0707; 0.1094]	0.3%
Paula et al, 2001	1	60	0.0167	[0.0004; 0.0894]	0.3%
Chiu et al, 2013	20	50	0.4000	[0.2641; 0.5482]	0.3%
Arif et al, 1994	34	175	0.1943	[0.1385; 0.2608]	0.3%
Amarapurkar et al, 2008	58	101	0.5743	[0.4719; 0.6721]	0.3%
Ataei et al, 2007	10	124	0.0806	[0.0394; 0.1433]	0.3%
Adesina et al, 2009	2	7	0.2857	[0.0367; 0.7096]	0.2%
Pavia et al, 1998	2	60	0.0333	[0.0041; 0.1153]	0.3%
Rahman et al, 2014	15	42	0.3571	[0.2155; 0.5197]	0.3%
Poovorawan et al, 1996	10	41	0.2439	[0.1236; 0.4030]	0.3%
Madden et al, 2016	62	126	0.4921	[0.4019; 0.5826]	0.3%
Karetny et al, 1995	0	32	0.0000	[0.0000; 0.1089]	0.3%
Lange et al, 2016	31	116	0.2672	[0.1893; 0.3574]	0.3%
Liang et al, 2014	14	29	0.4828	[0.2945; 0.6747]	0.3%
Izopet et al, 2015	170	236	0.7203	[0.6584; 0.7766]	0.3%
Li et al, 2014	15	150	0.1000	[0.0571; 0.1596]	0.3%
Juhl et al, 2014	15	163	0.0920	[0.0524; 0.1472]	0.3%
Nagler et al, 2014	23	40	0.5750	[0.4089; 0.7296]	0.3%
Matins et al, 2014	8	82	0.0976	[0.0431; 0.1832]	0.3%
Cui et al, 2016	14	67	0.2090	[0.1192; 0.3257]	0.3%
Schielke et al, 2015	7	35	0.2000	[0.0844; 0.3694]	0.3%
Meader et al, 2008	6	129	0.0465	[0.0173; 0.0985]	0.3%
Achwan et al, 2007	5	25	0.2000	[0.0683; 0.4070]	0.2%
Hau et al, 1999	28	118	0.2373	[0.1638; 0.3244]	0.3%
Dong et al, 2007	361	1778	0.2030	[0.1846; 0.2225]	0.3%
Fix et al, 2000	385	613	0.6281	[0.5884; 0.6664]	0.3%
Tashale et al, 2015	148	545	0.2716	[0.2346; 0.3110]	0.3%
Bartoloni et al, 1999	4	38	0.1053	[0.0294; 0.2480]	0.3%
Random effects model		17474	0.2448	[0.1856; 0.3093]	14.9%
Heterogeneity: $I^2 = 99\%$, $\tau^2 = 0.0710$, $p = 0$					
Age = 60+					
Fatemeh et al, 2014	75	90	0.8333	[0.7400; 0.9036]	0.3%
Halliday et al, 2014	3	20	0.1500	[0.0321; 0.3789]	0.2%
Christensen et al,2018	48	85	0.5647	[0.4528; 0.6720]	0.3%
Dell'Amico et al, 2011	3	27	0.1111	[0.0235; 0.2916]	0.3%
Takahashi et al, 2004	10	70	0.1429	[0.0707; 0.2471]	0.3%
Takahashi et al, 2010	690	10169	0.0679	[0.0630; 0.0729]	0.3%
Nascimento et al, 2016	137	480	0.2854	[0.2454; 0.3281]	0.3%
Mooij et al, 2018	247	647	0.3818	[0.3442; 0.4204]	0.3%
Lafeber et al, 2017	414	1100	0.3764	[0.3476; 0.4057]	0.3%
Yun et al, 2011	18	34	0.5294	[0.3513; 0.7022]	0.3%
Rapicetta et al, 1999	12	472	0.0254	[0.0132; 0.0440]	0.3%
Wong et al, 2004	15	124	0.1210	[0.0693; 0.1917]	0.3%
Zhu et al, 2008	242	1290	0.1876	[0.1666; 0.2100]	0.3%
Toyoda et al, 2008	28	216	0.1296	[0.0879; 0.1819]	0.3%
Mohammad et al, 2017	25	47	0.5319	[0.3808; 0.6789]	0.3%
Yamada et al, 2015	18	75	0.2400	[0.1489; 0.3525]	0.3%
Santos et al, 2002	7	125	0.0560	[0.0228; 0.1120]	0.3%
Feng et al, 2018	328	421	0.7791	[0.7364; 0.8178]	0.3%
Cangin et al, 2018	200	1719	0.1163	[0.1016; 0.1325]	0.3%
Cai et al, 2016	80	382	0.2094	[0.1697; 0.2537]	0.3%
Chiu et al, 2013	52	100	0.5200	[0.4178; 0.6210]	0.3%
Amarapurkar et al, 2008	12	30	0.4000	[0.2266; 0.5940]	0.3%
Adesina et al, 2009	1	6	0.1667	[0.0042; 0.6412]	0.2%
Pavia et al, 1998	1	60	0.0167	[0.0004; 0.0894]	0.3%
Rahman et al, 2014	9	27	0.3333	[0.1652; 0.5396]	0.3%
Poovorawan et al, 1996	3	12	0.2500	[0.0549; 0.5719]	0.2%
Madden et al, 2016	109	244	0.4467	[0.3833; 0.5115]	0.3%
Liang et al, 2014	18	26	0.6923	[0.4821; 0.8567]	0.3%
Izopet et al, 2015	167	227	0.7357	[0.6733; 0.7918]	0.3%
Li et al, 2014	6	69	0.0870	[0.0326; 0.1797]	0.3%
Juhl et al, 2014	11	98	0.1122	[0.0574; 0.1920]	0.3%
Schielke et al, 2015	15	50	0.3000	[0.1786; 0.4461]	0.3%
Meader et al, 2008	1	100	0.0100	[0.0003; 0.0545]	0.3%
Achwan et al, 2007	6	17	0.3529	[0.1421; 0.6167]	0.2%
Dong et al, 2007	551	3116	0.1768	[0.1636; 0.1907]	0.3%
Fix et al, 2000	319	529	0.6030	[0.5599; 0.6450]	0.3%
Tashale et al, 2015	428	1572	0.2723	[0.2504; 0.2950]	0.3%
Bartoloni et al, 1999	4	48	0.0833	[0.0232; 0.1998]	0.3%
Random effects model		23924	0.2747	[0.2107; 0.3436]	10.2%
Heterogeneity: $I^2 = 99\%$, $\tau^2 = 0.0510$, $p = 0$					
Random effects model		**140733**	**0.1603**	**[0.1408; 0.1808]**	**100.0%**
Heterogeneity: $I^2 = 99\%$, $\tau^2 = 0.0675$, $p = 0$					
Residual heterogeneity: $I^2 = 99\%$, $p = 0$					

0 0.2 0.4 0.6 0.8

Figure S8. Anti-HEV IgG seroprevalence among different age range for general population from different continents

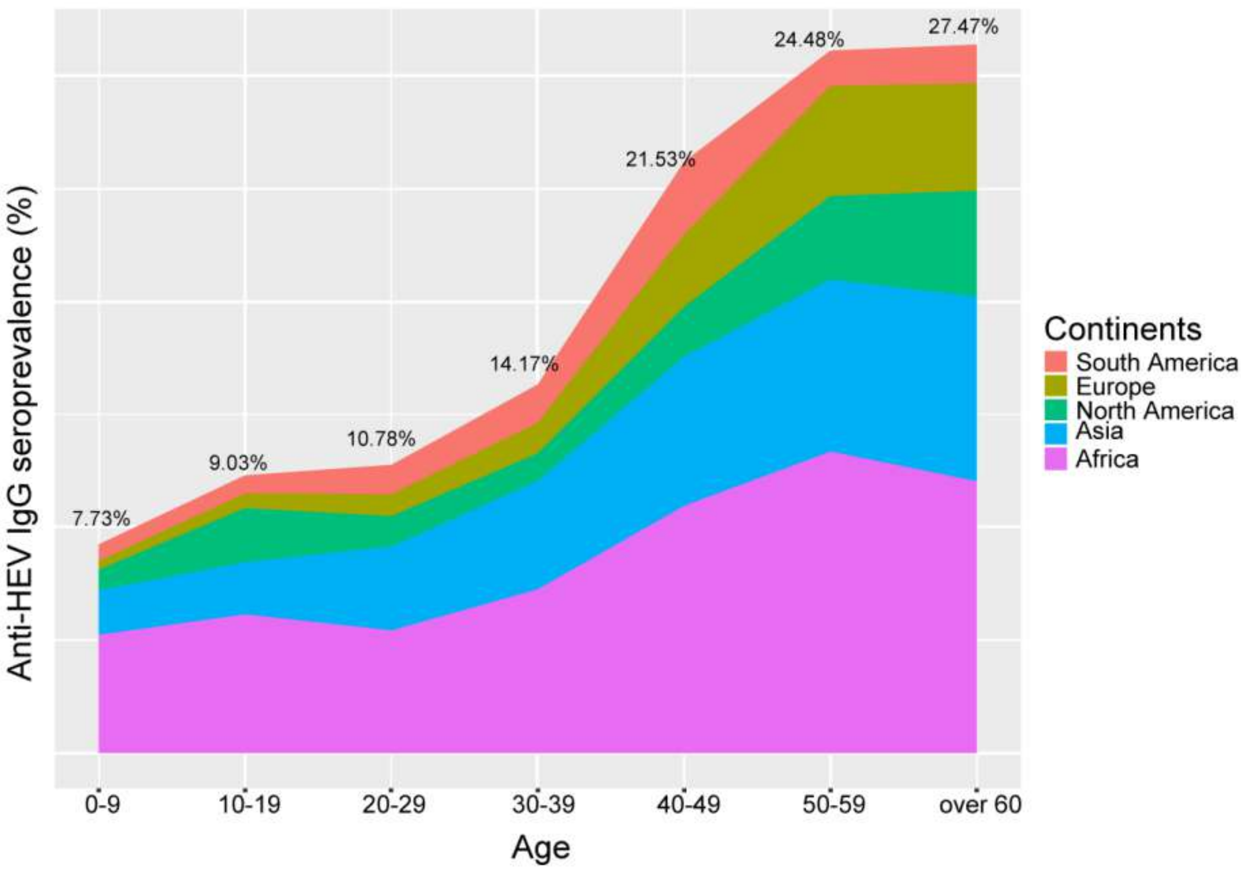
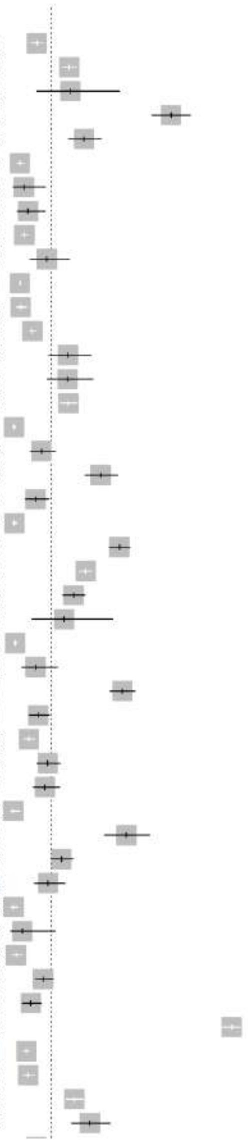
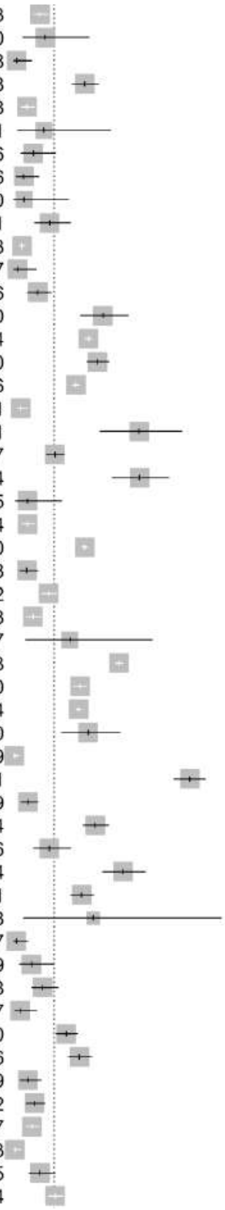


Figure S9. Forest plot of estimated pooled anti-HEV IgG seroprevalence among general population with different genders.

Study	Events	Total	Proportion	95%-CI	Weight
Gender = Female					
Geng et al, 2011	87	1040	0.0837	[0.0675; 0.1022]	0.4%
Chen et al, 2019	231	1270	0.1819	[0.1610; 0.2042]	0.4%
Hassan et al, 2013	8	43	0.1860	[0.0839; 0.3340]	0.4%
Fatemeh et al, 2014	149	304	0.4901	[0.4326; 0.5478]	0.4%
Azarkar et al, 2017	67	295	0.2271	[0.1806; 0.2792]	0.4%
Boutrouille et al, 2007	32	979	0.0327	[0.0225; 0.0458]	0.4%
Cainelli et al, 2018	4	89	0.0449	[0.0124; 0.1111]	0.4%
Assarehzadegan et al, 2007	8	140	0.0571	[0.0250; 0.1095]	0.4%
Yoon et al, 2014	67	1456	0.0460	[0.0358; 0.0581]	0.4%
Takahashi et al, 2004	14	123	0.1138	[0.0636; 0.1836]	0.4%
Takahashi et al, 2010	414	12341	0.0335	[0.0304; 0.0369]	0.4%
O'Riordan et al, 2016	21	598	0.0351	[0.0219; 0.0532]	0.4%
Spada et al, 2018	164	2306	0.0711	[0.0610; 0.0824]	0.4%
Nasrallah et al, 2017	27	152	0.1776	[0.1204; 0.2478]	0.4%
Zhuang et al, 2014	23	130	0.1769	[0.1156; 0.2535]	0.4%
Nascimento et al, 2016	151	843	0.1791	[0.1538; 0.2067]	0.4%
Verhoef et al, 2011	58	3801	0.0153	[0.0116; 0.0197]	0.4%
Castilho et al, 2017	25	255	0.0980	[0.0645; 0.1413]	0.4%
Mooij et al, 2018	91	328	0.2774	[0.2297; 0.3293]	0.4%
Yun et al, 2011	20	250	0.0800	[0.0495; 0.1209]	0.4%
Rapicetta et al, 1999	19	1187	0.0160	[0.0097; 0.0249]	0.4%
Nouhin et al, 2018	321	960	0.3344	[0.3046; 0.3652]	0.4%
Slot et al, 2013	490	2120	0.2311	[0.2133; 0.2497]	0.4%
Wong et al, 2004	109	560	0.1946	[0.1626; 0.2299]	0.4%
Petrovi et al, 2014	7	42	0.1667	[0.0697; 0.3136]	0.4%
Wang et al, 2017	49	2630	0.0186	[0.0138; 0.0246]	0.4%
Castilho et al, 2016	9	112	0.0804	[0.0374; 0.1471]	0.4%
Sadik et al, 2016	220	641	0.3432	[0.3065; 0.3814]	0.4%
Mohebbi et al, 2012	31	351	0.0883	[0.0608; 0.1230]	0.4%
Thom et al, 2017	50	835	0.0599	[0.0448; 0.0782]	0.4%
Mor et al, 2015	39	335	0.1164	[0.0841; 0.1557]	0.4%
Villalba et al, 2014	29	267	0.1086	[0.0740; 0.1523]	0.4%
Shrestha et al, 2016	4	306	0.0131	[0.0036; 0.0331]	0.4%
Mohammad et al, 2017	72	203	0.3547	[0.2890; 0.4247]	0.4%
Yamada et al, 2015	81	508	0.1594	[0.1287; 0.1942]	0.4%
Vitral et al, 2014	24	204	0.1176	[0.0769; 0.1700]	0.4%
Santos et al, 2002	7	525	0.0133	[0.0054; 0.0273]	0.4%
Pittaras et al, 2014	2	49	0.0408	[0.0050; 0.1398]	0.4%
Bortoliero et al, 2006	8	383	0.0209	[0.0091; 0.0407]	0.4%
Hewitt et al, 2018	55	530	0.1038	[0.0791; 0.1329]	0.4%
Fukuda et al, 2007	21	322	0.0652	[0.0408; 0.0980]	0.4%
Feng et al, 2018	749	1112	0.6736	[0.6451; 0.7011]	0.4%
Fearon et al, 2017	95	1791	0.0530	[0.0431; 0.0645]	0.4%
Cleland et al, 2013	41	714	0.0574	[0.0415; 0.0771]	0.4%
Cai et al, 2016	197	996	0.1978	[0.1735; 0.2239]	0.4%
Chiu et al, 2013	55	225	0.2444	[0.1898; 0.3060]	0.4%





Arif et al, 1994	55	663	0.0830	[0.0631; 0.1066]	0.4%
Anita et al, 2014	4	40	0.1000	[0.0279; 0.2366]	0.4%
Grabow et al, 1994	1	98	0.0102	[0.0003; 0.0555]	0.4%
Hardtke et al, 2018	91	408	0.2230	[0.1836; 0.2666]	0.4%
Ataei et al, 2007	18	428	0.0421	[0.0251; 0.0657]	0.4%
Hesamizadeh et al, 2015	2	21	0.0952	[0.0117; 0.3038]	0.3%
Hickey et al, 2016	6	96	0.0625	[0.0233; 0.1311]	0.4%
Houcine et al, 2012	4	126	0.0317	[0.0087; 0.0793]	0.4%
Jahromi et al, 2013	1	30	0.0333	[0.0008; 0.1722]	0.3%
Adesina et al, 2009	16	141	0.1135	[0.0663; 0.1777]	0.4%
Bernal et al, 1995	26	993	0.0262	[0.0172; 0.0381]	0.4%
Pavia et al, 1998	1	77	0.0130	[0.0003; 0.0702]	0.4%
Raoofi et al, 2012	17	226	0.0752	[0.0444; 0.1177]	0.4%
Rahman et al, 2014	42	150	0.2800	[0.2098; 0.3591]	0.4%
Chen et al, 2012	1179	5014	0.2351	[0.2235; 0.2471]	0.4%
Madden et al, 2016	163	620	0.2629	[0.2286; 0.2994]	0.4%
Mansuy et al, 2016	964	4946	0.1949	[0.1839; 0.2062]	0.4%
Karetny et al, 1995	8	361	0.0222	[0.0096; 0.0432]	0.4%
Lucarelli et al, 2016	24	61	0.3934	[0.2707; 0.5269]	0.4%
Lange et al, 2016	75	577	0.1300	[0.1036; 0.1602]	0.4%
Liang et al, 2014	49	124	0.3952	[0.3086; 0.4869]	0.4%
Marcantonio et al, 2018	2	45	0.0444	[0.0054; 0.1515]	0.4%
Lanini et al, 2015	18	414	0.0435	[0.0260; 0.0678]	0.4%
Jia et al, 2014	1751	7870	0.2225	[0.2133; 0.2318]	0.4%
Kaufmann et al, 2011	9	218	0.0413	[0.0190; 0.0769]	0.4%
Li et al, 2014	77	702	0.1097	[0.0875; 0.1352]	0.4%
Juhl et al, 2014	26	428	0.0607	[0.0401; 0.0877]	0.4%
Nagler et al, 2014	3	17	0.1765	[0.0380; 0.4343]	0.3%
Liu et al, 2019	2285	6903	0.3310	[0.3199; 0.3423]	0.4%
Mahrt et al, 2018	312	1500	0.2080	[0.1877; 0.2294]	0.4%
Kuniholm et al, 2009	2065	10124	0.2040	[0.1962; 0.2120]	0.4%
Krumbholz et al, 2011	21	90	0.2333	[0.1506; 0.3343]	0.4%
Jeggli et al, 2015	1	349	0.0029	[0.0001; 0.0159]	0.4%
Kang et al, 2017	227	411	0.5523	[0.5028; 0.6011]	0.4%
Matins et al, 2014	12	269	0.0446	[0.0233; 0.0766]	0.4%
Jahanbakhsh et al, 2017	124	484	0.2562	[0.2179; 0.2975]	0.4%
Rapicetta et al,1999	14	126	0.1111	[0.0621; 0.1794]	0.4%
Esquivel et al, 2014	70	204	0.3431	[0.2783; 0.4127]	0.4%
Cui et al, 2016	111	521	0.2131	[0.1786; 0.2508]	0.4%
Schielke et al, 2015	2	8	0.2500	[0.0319; 0.6509]	0.2%
Meader et al, 2008	1	117	0.0085	[0.0002; 0.0467]	0.4%
Whiters et al, 2002	5	89	0.0562	[0.0185; 0.1263]	0.4%
Widasari et al, 2013	19	208	0.0913	[0.0559; 0.1390]	0.4%
Galiana et al, 2008	2	97	0.0206	[0.0025; 0.0725]	0.4%
Cheng et al, 2007	84	510	0.1647	[0.1336; 0.1998]	0.4%
Cong et al, 2014	98	476	0.2059	[0.1704; 0.2450]	0.4%
Bayhan et al, 2016	8	179	0.0447	[0.0195; 0.0862]	0.4%
Achwan et al, 2007	21	322	0.0652	[0.0408; 0.0980]	0.4%
Buti et al, 2008	35	607	0.0577	[0.0405; 0.0793]	0.4%
Davaalkham et al, 2009	1	223	0.0045	[0.0001; 0.0247]	0.4%
Ekanem et al, 2015	17	205	0.0829	[0.0491; 0.1295]	0.4%
Meng et al, 2015	103	784	0.1314	[0.1085; 0.1571]	0.4%

Oliveira et al, 2017	3	182	0.0165	[0.0034; 0.0474]	0.4%
Shamsizadeh et al, 2009	25	309	0.0809	[0.0530; 0.1171]	0.4%
Bawazir et al, 2010	17	177	0.0960	[0.0570; 0.1493]	0.4%
Dong et al, 2007	933	5785	0.1613	[0.1519; 0.1710]	0.4%
Munoz et al, 1999	250	2200	0.1136	[0.1007; 0.1276]	0.4%
Héctor et al, 2017	1	127	0.0079	[0.0002; 0.0431]	0.4%
Li et al, 2019	145	946	0.1533	[0.1309; 0.1778]	0.4%
La Fauci et al, 2017	12	352	0.0341	[0.0177; 0.0588]	0.4%
Lee et al, 2013	2	100	0.0200	[0.0024; 0.0704]	0.4%
Serkan et al, 2005	27	386	0.0699	[0.0466; 0.1001]	0.4%
Christophe et al, 2004	24	315	0.0762	[0.0494; 0.1112]	0.4%
Dorcas et al, 2018	48	393	0.1221	[0.0914; 0.1587]	0.4%
Rui et al, 2018	49	225	0.2178	[0.1657; 0.2775]	0.4%
Premashis et al, 2008	53	125	0.4240	[0.3361; 0.5156]	0.4%
Kumar et al, 2001	93	469	0.1983	[0.1631; 0.2373]	0.4%
Maria et al, 2010	38	1040	0.0365	[0.0260; 0.0498]	0.4%
Zakieh et al, 2013	5	136	0.0368	[0.0120; 0.0837]	0.4%
Sonia et al, 2006	2046	2428	0.8427	[0.8276; 0.8569]	0.4%
Niguse et al, 2018	359	846	0.4243	[0.3908; 0.4585]	0.4%
Caron et al, 2008	119	840	0.1417	[0.1188; 0.1671]	0.4%
Caron et al, 2012	16	243	0.0658	[0.0381; 0.1047]	0.4%
Sandro et al, 2017	20	268	0.0746	[0.0462; 0.1129]	0.4%
Cosme et al, 2014	25	439	0.0569	[0.0372; 0.0829]	0.4%
Cevrioglu et al, 2004	31	245	0.1265	[0.0876; 0.1748]	0.4%
Cong et al, 2015	62	990	0.0626	[0.0483; 0.0796]	0.4%
Farshadpour et al, 2018	84	1331	0.0631	[0.0506; 0.0775]	0.4%
Gad et al, 2011	68	116	0.5862	[0.4910; 0.6769]	0.4%
Adjei et al, 2009	45	157	0.2866	[0.2174; 0.3641]	0.4%
Huang et al, 2013	30	293	0.1024	[0.0702; 0.1429]	0.4%
Paschale et al, 2016	67	278	0.2410	[0.1919; 0.2957]	0.4%
Alizadeh et al, 2016	10	321	0.0312	[0.0150; 0.0565]	0.4%
Abebe et al, 2017	122	386	0.3161	[0.2700; 0.3650]	0.4%
Kyvernitakis et al, 2015	3	35	0.0857	[0.0180; 0.2306]	0.4%
Tashale et al, 2015	480	3164	0.1517	[0.1394; 0.1647]	0.4%
Bartoloni et al, 1999	19	266	0.0714	[0.0435; 0.1093]	0.4%
Random effects model		120264	0.1225	[0.1005; 0.1463]	54.8%
Heterogeneity: $I^2 = 99\%$, $\tau^2 = 0.0408$, $p = 0$					
Gender = Male					
Geng et al, 2011	160	1642	0.0974	[0.0835; 0.1128]	0.4%
Chen et al, 2019	568	2774	0.2048	[0.1899; 0.2203]	0.4%
Hassan et al, 2013	68	487	0.1396	[0.1101; 0.1736]	0.4%
Fatemeh et al, 2014	86	206	0.4175	[0.3493; 0.4880]	0.4%
Ahn et al, 2005	66	725	0.0910	[0.0711; 0.1144]	0.4%
Azarkar et al, 2017	72	259	0.2780	[0.2243; 0.3368]	0.4%
Boutrouille et al, 2007	32	1019	0.0314	[0.0216; 0.0440]	0.4%
Cainelli et al, 2018	7	110	0.0636	[0.0260; 0.1267]	0.4%
Assarehzadegan et al, 2007	38	260	0.1462	[0.1055; 0.1950]	0.4%
Yoon et al, 2014	77	994	0.0775	[0.0616; 0.0959]	0.4%
Takahashi et al, 2004	14	126	0.1111	[0.0621; 0.1794]	0.4%
Takahashi et al, 2010	753	9686	0.0777	[0.0725; 0.0833]	0.4%
O'Riordan et al, 2016	36	478	0.0753	[0.0533; 0.1027]	0.4%
Spada et al, 2018	647	6835	0.0947	[0.0878; 0.1018]	0.4%
Nasrallah et al, 2017	1183	5683	0.2082	[0.1977; 0.2190]	0.4%
Zhuang et al, 2014	90	356	0.2528	[0.2085; 0.3013]	0.4%
Nascimento et al, 2016	119	813	0.1464	[0.1228; 0.1726]	0.4%
Verhoef et al, 2011	76	3137	0.0242	[0.0191; 0.0302]	0.4%
Castilho et al, 2017	24	245	0.0980	[0.0638; 0.1422]	0.4%
Mooij et al, 2018	397	1234	0.3217	[0.2957; 0.3486]	0.4%
Yun et al, 2011	26	239	0.1088	[0.0723; 0.1553]	0.4%
Rapicetta et al, 1999	14	1046	0.0134	[0.0073; 0.0224]	0.4%
Nouhin et al, 2018	503	1044	0.4818	[0.4511; 0.5126]	0.4%
Slot et al, 2013	911	3119	0.2921	[0.2762; 0.3084]	0.4%
Wong et al, 2004	66	376	0.1755	[0.1384; 0.2178]	0.4%
Petrovi et al, 2014	23	158	0.1456	[0.0946; 0.2104]	0.4%
Wang et al, 2017	82	6439	0.0127	[0.0101; 0.0158]	0.4%
Castilho et al, 2016	21	187	0.1123	[0.0709; 0.1665]	0.4%
Sadik et al, 2016	239	558	0.4283	[0.3868; 0.4706]	0.4%
Mohebbi et al, 2012	20	200	0.1000	[0.0622; 0.1502]	0.4%

Thom et al, 2017	54	879	0.0614	[0.0465; 0.0794]	0.4%
Mor et al, 2015	38	394	0.0964	[0.0692; 0.1300]	0.4%
Villalba et al, 2014	18	202	0.0891	[0.0537; 0.1372]	0.4%
Mohammad et al, 2017	67	247	0.2713	[0.2168; 0.3313]	0.4%
Yamada et al, 2015	79	360	0.2194	[0.1778; 0.2658]	0.4%
Vitral et al, 2014	26	184	0.1413	[0.0944; 0.2002]	0.4%
Santos et al, 2002	10	174	0.0575	[0.0279; 0.1032]	0.4%
Pittaras et al, 2014	23	216	0.1065	[0.0687; 0.1555]	0.4%
Bortoliero et al, 2006	15	590	0.0254	[0.0143; 0.0416]	0.4%
Hewitt et al, 2018	43	483	0.0890	[0.0652; 0.1180]	0.4%
Fukuda et al, 2007	147	2863	0.0513	[0.0435; 0.0601]	0.4%
Feng et al, 2018	588	800	0.7350	[0.7030; 0.7653]	0.4%
Fearon et al, 2017	146	2070	0.0705	[0.0599; 0.0824]	0.4%
Cleland et al, 2013	32	845	0.0379	[0.0260; 0.0530]	0.4%
Cai et al, 2016	169	846	0.1998	[0.1733; 0.2283]	0.4%
Chiu et al, 2013	74	225	0.3289	[0.2679; 0.3945]	0.4%
Arif et al, 1994	105	755	0.1391	[0.1152; 0.1658]	0.4%
Anita et al, 2014	6	38	0.1579	[0.0602; 0.3125]	0.4%
Grabow et al, 1994	5	129	0.0388	[0.0127; 0.0881]	0.4%
Ataei et al, 2007	13	388	0.0335	[0.0180; 0.0566]	0.4%
Hesamizadeh et al, 2015	43	493	0.0872	[0.0638; 0.1157]	0.4%
Hickey et al, 2016	9	102	0.0882	[0.0411; 0.1609]	0.4%
Houcine et al, 2012	33	561	0.0588	[0.0408; 0.0816]	0.4%
Jahromi et al, 2013	25	447	0.0559	[0.0365; 0.0815]	0.4%
Adesina et al, 2009	9	45	0.2000	[0.0958; 0.3460]	0.4%
Bernal et al, 1995	10	764	0.0131	[0.0063; 0.0239]	0.4%
Pavia et al, 1998	2	283	0.0071	[0.0009; 0.0253]	0.4%
Raoofi et al, 2012	14	174	0.0805	[0.0447; 0.1313]	0.4%
Rahman et al, 2014	48	150	0.3200	[0.2463; 0.4010]	0.4%
Chen et al, 2012	1614	8015	0.2014	[0.1926; 0.2103]	0.4%
Madden et al, 2016	161	541	0.2976	[0.2593; 0.3381]	0.4%
Mansuy et al, 2016	1407	5623	0.2502	[0.2389; 0.2618]	0.4%
Karetny et al, 1995	5	75	0.0667	[0.0220; 0.1488]	0.4%
Lucarelli et al, 2016	129	252	0.5119	[0.4484; 0.5751]	0.4%
Lange et al, 2016	102	686	0.1487	[0.1229; 0.1775]	0.4%
Liang et al, 2014	80	183	0.4372	[0.3641; 0.5123]	0.4%
Marcantonio et al, 2018	8	153	0.0523	[0.0228; 0.1004]	0.4%
Lanini et al, 2015	42	702	0.0598	[0.0435; 0.0800]	0.4%
Jia et al, 2014	1970	7996	0.2464	[0.2370; 0.2560]	0.4%
Kaufmann et al, 2011	18	332	0.0542	[0.0324; 0.0843]	0.4%
Li et al, 2014	151	936	0.1613	[0.1383; 0.1865]	0.4%
Juhl et al, 2014	43	591	0.0728	[0.0532; 0.0968]	0.4%
Nagler et al, 2014	139	980	0.1418	[0.1206; 0.1653]	0.4%
Liu et al, 2019	1136	3353	0.3388	[0.3228; 0.3551]	0.4%
Mahrt et al, 2018	367	1500	0.2447	[0.2231; 0.2672]	0.4%
Kuniholm et al, 2009	1851	8571	0.2160	[0.2073; 0.2248]	0.4%
Krumbholz et al, 2011	27	132	0.2045	[0.1393; 0.2835]	0.4%
Jeggli et al, 2015	29	429	0.0676	[0.0457; 0.0956]	0.4%
Kang et al, 2017	103	789	0.1305	[0.1078; 0.1561]	0.4%
Korzeniewski et al, 2018	14	224	0.0625	[0.0346; 0.1026]	0.4%
Li et al, 2006	1576	3844	0.4100	[0.3944; 0.4257]	0.4%
Labrique et al, 2009	121	614	0.1971	[0.1663; 0.2308]	0.4%
Matins et al, 2014	12	162	0.0741	[0.0389; 0.1258]	0.4%
Jahanbakhsh et al, 2017	12	78	0.1538	[0.0821; 0.2533]	0.4%
Rapicetta et al,1999	99	847	0.1169	[0.0960; 0.1405]	0.4%
Esquivel et al, 2014	30	69	0.4348	[0.3158; 0.5596]	0.4%
Cui et al, 2016	117	507	0.2308	[0.1948; 0.2699]	0.4%
Schielke et al, 2015	24	118	0.2034	[0.1349; 0.2873]	0.4%
Meader et al, 2008	9	296	0.0304	[0.0140; 0.0569]	0.4%
Whiters et al, 2002	16	201	0.0796	[0.0462; 0.1261]	0.4%
Widasari et al, 2013	19	282	0.0674	[0.0410; 0.1032]	0.4%
Galiana et al, 2008	21	101	0.2079	[0.1336; 0.3001]	0.4%
Cheng et al, 2007	25	244	0.1025	[0.0674; 0.1475]	0.4%
Cong et al, 2014	110	414	0.2657	[0.2238; 0.3110]	0.4%
Bayhan et al, 2016	9	229	0.0393	[0.0181; 0.0733]	0.4%
Achwan et al, 2007	13	259	0.0502	[0.0270; 0.0843]	0.4%
Buti et al, 2008	22	642	0.0343	[0.0216; 0.0514]	0.4%
Davaalkham et al, 2009	2	216	0.0093	[0.0011; 0.0330]	0.4%
Ekanem et al, 2015	14	197	0.0711	[0.0394; 0.1164]	0.4%
Meng et al, 2015	121	716	0.1690	[0.1423; 0.1985]	0.4%
Oliveira et al, 2017	1	170	0.0059	[0.0001; 0.0323]	0.4%
Shamsizadeh et al, 2009	23	257	0.0895	[0.0576; 0.1313]	0.4%
Bawazir et al, 2010	21	179	0.1173	[0.0741; 0.1737]	0.4%
Dong et al, 2007	1140	6267	0.1819	[0.1724; 0.1917]	0.4%
Munoz et al, 1999	124	1349	0.0919	[0.0770; 0.1086]	0.4%
Kyvernitakis et al, 2015	9	80	0.1125	[0.0528; 0.2028]	0.4%
Tashale et al, 2015	520	2802	0.1856	[0.1713; 0.2005]	0.4%
Bartoloni et al, 1999	17	224	0.0759	[0.0448; 0.1187]	0.4%
Random effects model		129569	0.1339	[0.1134; 0.1559]	45.2%
Heterogeneity: $I^2 = 99\%$, $\tau^2 = 0.0264$, $p = 0$					
Random effects model		**249833**	**0.1276**	**[0.1125; 0.1435]**	**100.0%**
Heterogeneity: $I^2 = 99\%$, $\tau^2 = 0.0327$, $p = 0$					
Residual heterogeneity: $I^2 = 99\%$, $p = 0$					

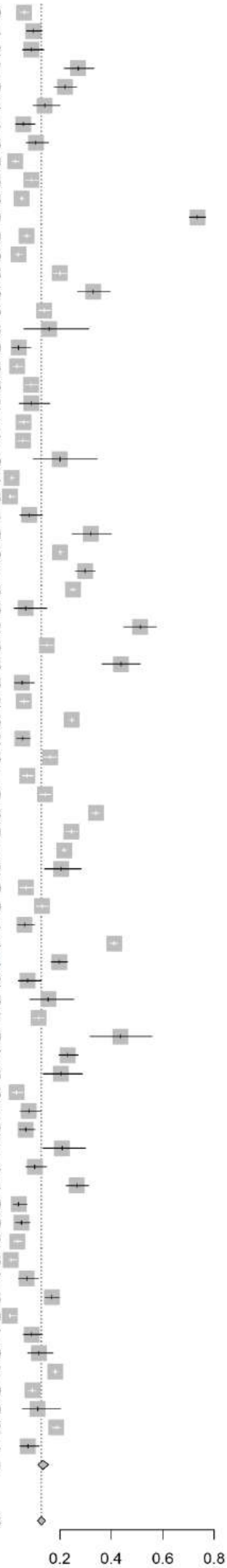


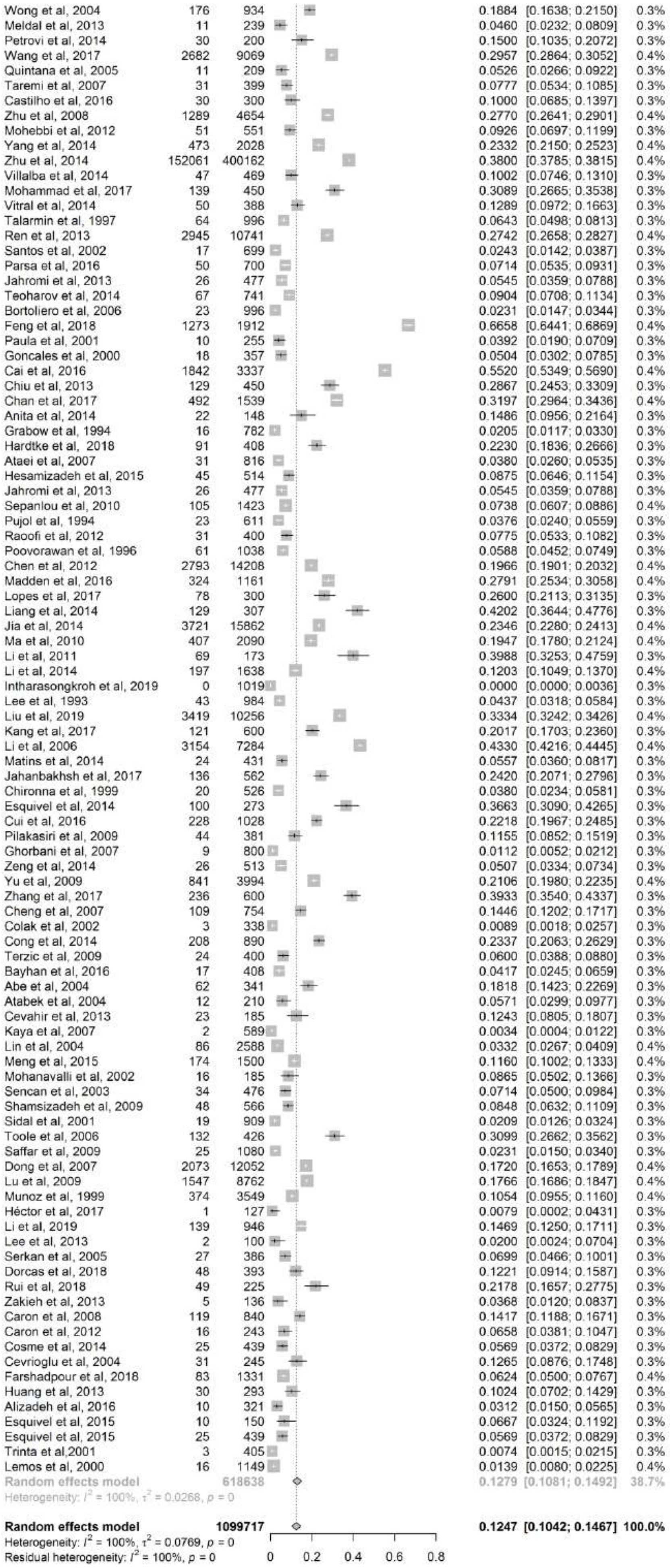
Figure S10. Forest plot of estimated pooled anti-HEV IgG seroprevalence among general population based on high income countries, upper-middle income countries, lower middle income countries, and low income countries.

Study	Events	Total	Proportion	95%-CI	Weight
Income = High					
Maria et al, 2006	96	1280	0.0750	[0.0612; 0.0908]	0.4%
Ahn et al, 2005	138	1030	0.1340	[0.1138; 0.1563]	0.3%
Boutrouille et al, 2007	64	1998	0.0320	[0.0248; 0.0407]	0.4%
Christensen et al,2018	293	906	0.3234	[0.2930; 0.3549]	0.3%
Baylis et al, 2012	1	165010	0.0000	[0.0000; 0.0000]	0.4%
Yoon et al, 2014	144	2450	0.0588	[0.0498; 0.0688]	0.4%
Takahashi et al, 2010	1167	22027	0.0530	[0.0501; 0.0560]	0.4%
O'Riordan et al, 2016	57	1076	0.0530	[0.0404; 0.0681]	0.3%
Spada et al, 2018	869	10011	0.0868	[0.0814; 0.0925]	0.4%
Nasrallah et al, 2017	1198	5854	0.2046	[0.1944; 0.2152]	0.4%
Moaven et al, 1995	17	550	0.0309	[0.0181; 0.0490]	0.3%
Nascimento et al, 2016	270	1656	0.1630	[0.1456; 0.1817]	0.4%
Takeda et al, 2010	431	12600	0.0342	[0.0311; 0.0375]	0.4%
Minuk et al, 2007	11	393	0.0280	[0.0141; 0.0495]	0.3%
Verhoef et al, 2011	134	7072	0.0189	[0.0159; 0.0224]	0.4%
Mooij et al, 2018	648	2100	0.3086	[0.2889; 0.3288]	0.4%
Lafeber et al, 2017	666	2422	0.2750	[0.2573; 0.2932]	0.4%
Yun et al, 2011	46	489	0.0941	[0.0697; 0.1235]	0.3%
Rapicetta et al, 1999	33	2233	0.0148	[0.0102; 0.0207]	0.4%
Slot et al, 2013	1401	5239	0.2674	[0.2555; 0.2796]	0.4%
Straková et al, 2016	13	230	0.0565	[0.0304; 0.0947]	0.3%
Wenzel et al, 2014	929	2184	0.4254	[0.4045; 0.4464]	0.4%
Sakata et al, 2008	45	1389	0.0324	[0.0237; 0.0431]	0.4%
Sadik et al, 2016	459	1199	0.3828	[0.3552; 0.4110]	0.4%
Thom et al, 2017	104	2311	0.0450	[0.0369; 0.0543]	0.4%
Mor et al, 2015	77	729	0.1056	[0.0843; 0.1302]	0.3%
Toyoda et al, 2008	60	592	0.1014	[0.0782; 0.1285]	0.3%
Peng et al, 1995	76	997	0.0762	[0.0605; 0.0945]	0.3%
Sauleda et al, 2014	1996	9998	0.1996	[0.1918; 0.2076]	0.4%
Pittaras et al, 2014	25	265	0.0943	[0.0620; 0.1361]	0.3%
Schreuder et al, 2016	25	600	0.0417	[0.0271; 0.0609]	0.3%
Niederhauser et al, 2017	737	3609	0.2042	[0.1912; 0.2177]	0.4%
Hewitt et al, 2018	98	1013	0.0967	[0.0792; 0.1166]	0.3%
Alberts et al, 2018	190	7065	0.0269	[0.0232; 0.0309]	0.4%
Grabarczyk et al, 2018	1340	3079	0.4352	[0.4176; 0.4529]	0.4%
Gessoni et al, 1996	49	1889	0.0259	[0.0193; 0.0341]	0.4%
Fukuda et al, 2007	168	3185	0.0527	[0.0452; 0.0611]	0.4%
Fogeda et al, 2012	25	2305	0.0108	[0.0070; 0.0160]	0.4%
Fischer et al, 2014	163	1203	0.1355	[0.1166; 0.1561]	0.4%
Fearon et al, 2017	241	4102	0.0588	[0.0517; 0.0664]	0.4%
Harvala et al, 2018	42	480	0.0875	[0.0638; 0.1164]	0.3%
Cleland et al, 2013	73	1559	0.0468	[0.0369; 0.0585]	0.4%
Cangin et al, 2018	377	7656	0.0492	[0.0445; 0.0543]	0.4%
Ditah et al, 2014	490	8814	0.0556	[0.0509; 0.0606]	0.4%
Dimeglio et al, 2018	23	300	0.0767	[0.0492; 0.1128]	0.3%
Ding et al, 2003	15	533	0.0281	[0.0158; 0.0460]	0.3%
Arif et al, 1994	160	1418	0.1128	[0.0968; 0.1305]	0.4%
Abdelaal et al, 1995	100	593	0.1686	[0.1394; 0.2012]	0.3%
Hogema et al, 2016	11	45	0.2444	[0.1288; 0.3954]	0.3%
Hickey et al, 2016	16	198	0.0808	[0.0469; 0.1279]	0.3%
Mitsui et al, 2005	6	266	0.0226	[0.0083; 0.0484]	0.3%
Bernal et al, 1995	36	1757	0.0205	[0.0144; 0.0283]	0.4%
Ricco et al, 2016	9	199	0.0452	[0.0209; 0.0841]	0.3%
Puttini et al, 2015	12	132	0.0909	[0.0479; 0.1534]	0.3%
Pavia et al, 1998	3	360	0.0083	[0.0017; 0.0242]	0.3%
Zuin et al, 2016	380	3546	0.1072	[0.0972; 0.1178]	0.4%
Scotto et al, 2012	2	151	0.0132	[0.0016; 0.0470]	0.3%
Sabato et al, 2017	4	253	0.0158	[0.0043; 0.0400]	0.3%
Love et al, 2018	6	291	0.0206	[0.0076; 0.0443]	0.3%
Mansuy et al, 2016	2371	10569	0.2243	[0.2164; 0.2324]	0.4%
Karetny et al, 1995	37	1416	0.0261	[0.0185; 0.0358]	0.4%
Lucarelli et al, 2016	153	313	0.4888	[0.4322; 0.5457]	0.3%

Lange et al, 2016	177	1263	0.1401 [0.1215; 0.1605]	0.4%
Mateos et al, 1998	34	905	0.0376 [0.0262; 0.0521]	0.3%
Marcantonio et al, 2018	10	198	0.0505 [0.0245; 0.0909]	0.3%
Karetnyi et al, 1999	36	734	0.0490 [0.0346; 0.0673]	0.3%
Lanini et al, 2015	60	1116	0.0538 [0.0413; 0.0687]	0.4%
Johargy et al, 2013	168	900	0.1867 [0.1617; 0.2137]	0.3%
Kaufmann et al, 2011	27	550	0.0491 [0.0326; 0.0706]	0.3%
Mansuy et al, 2004	46	431	0.1067 [0.0792; 0.1398]	0.3%
Mansuy et al, 2015	1310	3353	0.3907 [0.3741; 0.4074]	0.4%
Juhl et al, 2017	70	449	0.1559 [0.1236; 0.1928]	0.3%
Juhl et al, 2014	69	1019	0.0677 [0.0531; 0.0849]	0.3%
Nagler et al, 2014	143	997	0.1434 [0.1222; 0.1667]	0.3%
Langer et al, 1997	3	553	0.0054 [0.0011; 0.0158]	0.3%
Lavanchy et al, 1994	14	317	0.0442 [0.0244; 0.0730]	0.3%
Ibarra et al, 1994	82	469	0.1748 [0.1415; 0.2123]	0.3%
Mahrt et al, 2018	679	3000	0.2263 [0.2115; 0.2417]	0.4%
Kuniholm et al, 2009	3916	18695	0.2095 [0.2037; 0.2154]	0.4%
Krumbholz et al, 2011	18	116	0.1552 [0.0946; 0.2341]	0.3%
Krumbholz et al, 2014	65	537	0.1210 [0.0947; 0.1517]	0.3%
Jeggli et al, 2015	25	752	0.0332 [0.0216; 0.0487]	0.3%
Kantala et al, 2015	37	385	0.0961 [0.0686; 0.1300]	0.3%
Korzeniewski et al, 2018	13	253	0.0514 [0.0276; 0.0863]	0.3%
Jablonka et al, 2017	122	604	0.2020 [0.1707; 0.2363]	0.3%
Kaba et al, 2010	57	490	0.1163 [0.0893; 0.1481]	0.3%
Rapicetta et al,1999	113	973	0.1161 [0.0967; 0.1380]	0.3%
Lachish et al, 2013	19	4970	0.0038 [0.0023; 0.0060]	0.4%
Schielke et al, 2015	26	126	0.2063 [0.1394; 0.2875]	0.3%
Nübling et al, 2002	20	511	0.0391 [0.0241; 0.0598]	0.3%
Todys et al, 2015	206	1027	0.2006 [0.1765; 0.2264]	0.3%
Meader et al, 2008	10	413	0.0242 [0.0117; 0.0441]	0.3%
Tabili et al, 2013	23	103	0.2233 [0.1471; 0.3160]	0.3%
Bura et al, 2018	2	138	0.0145 [0.0018; 0.0514]	0.3%
Dremsek et al, 2012	132	853	0.1547 [0.1311; 0.1808]	0.3%
Eick et al, 2010	16	1500	0.0107 [0.0061; 0.0173]	0.4%
Alecci et al, 1997	3	244	0.0123 [0.0025; 0.0355]	0.3%
Chaussade et al, 2013	83	322	0.2578 [0.2109; 0.3092]	0.3%
Whiters et al, 2002	3	125	0.0240 [0.0050; 0.0685]	0.3%
Teixeira et al, 2017	106	804	0.1318 [0.1092; 0.1572]	0.3%
Olsen et al, 2006	10	108	0.0926 [0.0453; 0.1637]	0.3%
Bouwknegt et al, 2008	12	644	0.0186 [0.0097; 0.0323]	0.3%
Galiana et al, 2008	4	97	0.0412 [0.0113; 0.1022]	0.3%
Dalton et al, 2017	11	464	0.0237 [0.0119; 0.0420]	0.3%
Chow et al, 1996	30	219	0.1370 [0.0944; 0.1897]	0.3%
Buti et al, 2008	57	1249	0.0456 [0.0347; 0.0587]	0.4%
Goto et al, 2006	9	344	0.0262 [0.0120; 0.0491]	0.3%
Krumbholz et al, 2014	16	1646	0.0097 [0.0056; 0.0157]	0.4%
Oliveira et al, 2017	4	352	0.0114 [0.0031; 0.0288]	0.3%
Ijaz et al, 2009	362	2731	0.1326 [0.1201; 0.1458]	0.4%
Rey et al, 1997	95	5196	0.0183 [0.0148; 0.0223]	0.4%
Christophe et al, 2004	24	315	0.0762 [0.0494; 0.1112]	0.3%
Maria et al, 2010	38	1040	0.0365 [0.0260; 0.0498]	0.3%
Zhang et al, 2015	1352	6262	0.2159 [0.2058; 0.2263]	0.4%
Kyvernitakis et al, 2015	12	115	0.1043 [0.0551; 0.1752]	0.3%
Tashale et al, 2015	1081	13851	0.0780 [0.0736; 0.0826]	0.4%
Xu et al,2013	364	1939	0.1877 [0.1706; 0.2058]	0.4%
Stramer et al, 2015	27	200	0.1350 [0.0909; 0.1903]	0.3%
Meng et al, 2001	73	400	0.1825 [0.1459; 0.2239]	0.3%
Wassaf et al,2014	19	433	0.0439 [0.0266; 0.0677]	0.3%
Munne et al, 2014	31	202	0.1535 [0.1067; 0.2107]	0.3%
Katrina et al, 2018	104	1714	0.0607 [0.0498; 0.0730]	0.4%
Random effects model		424905	0.0884 [0.0679; 0.1114]	42.5%

Heterogeneity: $I^2 = 100\%$, $\tau^2 = 0.0460$, $p = 0$

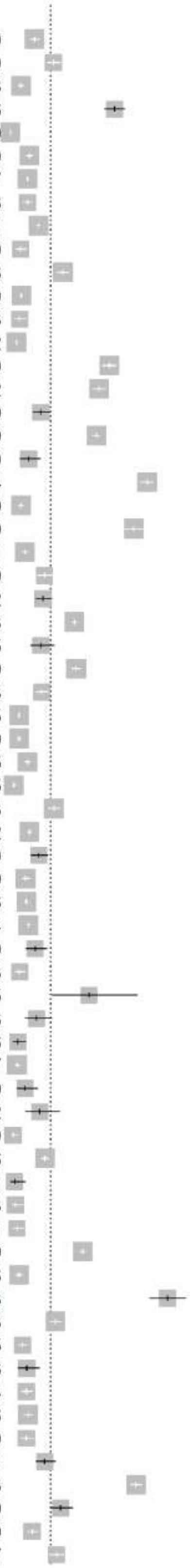
Income = Low					
Edward et al, 1997	571	757	0.7543	[0.7220; 0.7846]	0.3%
Shrestha et al, 2016	773	1845	0.4190	[0.3963; 0.4419]	0.4%
Miller et al, 1998	1	403	0.0025	[0.0001; 0.0137]	0.3%
Azman et al, 2017	154	206	0.7476	[0.6825; 0.8054]	0.3%
Bawazir et al, 2010	38	356	0.1067	[0.0767; 0.1436]	0.3%
Niguse et al, 2018	359	846	0.4243	[0.3908; 0.4585]	0.3%
Paschale et al, 2016	62	278	0.2230	[0.1755; 0.2766]	0.3%
Abebe et al, 2017	122	386	0.3161	[0.2700; 0.3650]	0.3%
Traore et al, 2012	56	178	0.3146	[0.2472; 0.3883]	0.3%
Aubry et al, 1997	18	129	0.1395	[0.0848; 0.2115]	0.3%
Taha et al, 2015	80	397	0.2015	[0.1631; 0.2444]	0.3%
Random effects model		5781	0.3044	[0.1660; 0.4639]	3.8%
Heterogeneity: $I^2 = 99\%$, $\tau^2 = 0.0770$, $p < 0.01$					
Income = Lower-middle					
Corwin et al, 1996	26	187	0.1390	[0.0929; 0.1970]	0.3%
Dell'Amico et al, 2011	12	123	0.0976	[0.0514; 0.1642]	0.3%
Takahashi et al, 2004	28	249	0.1124	[0.0760; 0.1584]	0.3%
Nouhin et al, 2016	85	301	0.2824	[0.2322; 0.3369]	0.3%
Nouhin et al, 2018	829	2004	0.4137	[0.3920; 0.4356]	0.4%
Tripathy et al, 2018	433	2447	0.1770	[0.1620; 0.1927]	0.4%
Vivek et al, 2010	330	2279	0.1448	[0.1306; 0.1599]	0.4%
Yamada et al, 2015	160	868	0.1843	[0.1591; 0.2118]	0.3%
Amarapurkar et al, 2008	416	1163	0.3577	[0.3301; 0.3860]	0.4%
Houcine et al, 2012	37	687	0.0539	[0.0382; 0.0735]	0.3%
Adesina et al, 2009	25	186	0.1344	[0.0889; 0.1920]	0.3%
Rahman et al, 2014	90	300	0.3000	[0.2487; 0.3553]	0.3%
Kotwal et al, 2014	712	4175	0.1705	[0.1592; 0.1823]	0.4%
Konomi et al, 1999	93	574	0.1620	[0.1328; 0.1948]	0.3%
Katiyar et al, 2018	383	633	0.6051	[0.5658; 0.6434]	0.3%
Kamel et al, 1995	214	1259	0.1700	[0.1496; 0.1919]	0.4%
Khounvisith et al, 2018	38	210	0.1810	[0.1313; 0.2398]	0.3%
Labrique et al, 2009	255	1134	0.2249	[0.2009; 0.2503]	0.4%
Widasari et al, 2013	16	277	0.0578	[0.0334; 0.0921]	0.3%
Drobeniuc et al, 2001	63	255	0.2471	[0.1954; 0.3047]	0.3%
Pathak et al, 2018	341	1369	0.2491	[0.2264; 0.2729]	0.4%
Sheikh et al, 2002	164	273	0.6007	[0.5400; 0.6593]	0.3%
Aboulata et al, 2005	26	100	0.2600	[0.1774; 0.3573]	0.3%
Achwan et al, 2007	34	581	0.0585	[0.0409; 0.0808]	0.3%
Davaalkham et al, 2009	3	520	0.0058	[0.0012; 0.0168]	0.3%
Ekanem et al, 2015	31	402	0.0771	[0.0530; 0.1077]	0.3%
Gandolfo et al, 2003	4	435	0.0092	[0.0025; 0.0234]	0.3%
Hasan et al, 2016	33	123	0.2683	[0.1924; 0.3557]	0.3%
Mathur et al, 2001	545	2070	0.2633	[0.2444; 0.2828]	0.4%
Bira et al, 2007	5	717	0.0070	[0.0023; 0.0162]	0.3%
Hau et al, 1999	18	646	0.0279	[0.0166; 0.0437]	0.3%
Fix et al, 2000	4283	10026	0.4272	[0.4175; 0.4369]	0.4%
Sonia et al, 2006	2046	2428	0.8427	[0.8276; 0.8569]	0.4%
Gad et al, 2011	68	116	0.5862	[0.4910; 0.6769]	0.3%
Adjei et al, 2009	16	157	0.1019	[0.0594; 0.1602]	0.3%
Gambel et al, 1998	14	112	0.1250	[0.0701; 0.2008]	0.3%
Perez et al, 1996	17	399	0.0426	[0.0250; 0.0673]	0.3%
Bartoloni et al, 1999	36	490	0.0735	[0.0520; 0.1003]	0.3%
Leon et al, 1999	64	318	0.2013	[0.1586; 0.2496]	0.3%
Random effects model		40593	0.1904	[0.1325; 0.2560]	13.6%
Heterogeneity: $I^2 = 100\%$, $\tau^2 = 0.0626$, $p = 0$					
Income = Mixed					
Halliday et al, 2014	120	1048	0.1145	[0.0959; 0.1354]	0.3%
Abe et al, 2006	1720	5233	0.3287	[0.3160; 0.3416]	0.4%
Izopet et al, 2015	1083	2538	0.4267	[0.4074; 0.4462]	0.4%
Gambel et al, 1998	209	981	0.2130	[0.1878; 0.2400]	0.3%
Random effects model		9800	0.2620	[0.1542; 0.3868]	1.4%
Heterogeneity: $I^2 = 99\%$, $\tau^2 = 0.0185$, $p < 0.01$					
Income = Upper-middle					
Chang et al, 2009	522	2572	0.2030	[0.1876; 0.2190]	0.4%
Geng et al, 2011	538	2682	0.2006	[0.1856; 0.2163]	0.4%
Yuan et al, 2017	268	1200	0.2233	[0.2001; 0.2480]	0.4%
Chen et al, 2019	799	4044	0.1976	[0.1854; 0.2102]	0.4%
Hassan et al, 2013	76	530	0.1434	[0.1147; 0.1762]	0.3%
Fatemeh et al, 2014	235	510	0.4608	[0.4169; 0.5051]	0.3%
Guo et al, 2009	14610	44816	0.3260	[0.3217; 0.3304]	0.4%
Azarkar et al, 2017	139	554	0.2509	[0.2153; 0.2892]	0.3%
Cainelli et al, 2018	11	199	0.0553	[0.0279; 0.0968]	0.3%
Assarehzadegan et al, 2007	46	400	0.1150	[0.0854; 0.1504]	0.3%
Zhuang et al, 2014	113	486	0.2325	[0.1956; 0.2727]	0.3%
Castilho et al, 2017	49	500	0.0980	[0.0734; 0.1275]	0.3%
Olcay et al, 2003	57	910	0.0626	[0.0478; 0.0804]	0.3%



Wong et al, 2004 176 934 0.1884 [0.1638; 0.2150] 0.3%
Meldal et al, 2013 11 239 0.0460 [0.0232; 0.0809] 0.3%
Petrovi et al, 2014 30 200 0.1500 [0.1035; 0.2072] 0.3%
Wang et al, 2017 2682 9069 0.2957 [0.2864; 0.3052] 0.4%
Quintana et al, 2005 11 209 0.0526 [0.0266; 0.0922] 0.3%
Taremi et al, 2007 31 399 0.0777 [0.0534; 0.1085] 0.3%
Castilho et al, 2016 30 300 0.1000 [0.0685; 0.1397] 0.3%
Zhu et al, 2008 1289 4654 0.2770 [0.2641; 0.2901] 0.4%
Mohebbi et al, 2012 51 551 0.0926 [0.0697; 0.1199] 0.3%
Yang et al, 2014 473 2028 0.2332 [0.2150; 0.2523] 0.4%
Zhu et al, 2014 152061 400162 0.3800 [0.3785; 0.3815] 0.4%
Villalba et al, 2014 47 469 0.1002 [0.0746; 0.1310] 0.3%
Mohammad et al, 2017 139 450 0.3089 [0.2665; 0.3538] 0.3%
Vitral et al, 2014 50 388 0.1289 [0.0972; 0.1663] 0.3%
Talarmin et al, 1997 64 996 0.0643 [0.0498; 0.0813] 0.3%
Ren et al, 2013 2945 10741 0.2742 [0.2658; 0.2827] 0.4%
Santos et al, 2002 17 699 0.0243 [0.0142; 0.0387] 0.3%
Parsa et al, 2016 50 700 0.0714 [0.0535; 0.0931] 0.3%
Jahromi et al, 2013 26 477 0.0545 [0.0359; 0.0788] 0.3%
Teoharov et al, 2014 67 741 0.0904 [0.0708; 0.1134] 0.3%
Bortoliero et al, 2006 23 996 0.0231 [0.0147; 0.0344] 0.3%
Feng et al, 2018 1273 1912 0.6658 [0.6441; 0.6869] 0.4%
Paula et al, 2001 10 255 0.0392 [0.0190; 0.0709] 0.3%
Goncales et al, 2000 18 357 0.0504 [0.0302; 0.0785] 0.3%
Cai et al, 2016 1842 3337 0.5520 [0.5349; 0.5690] 0.4%
Chiu et al, 2013 129 450 0.2867 [0.2453; 0.3309] 0.3%
Chan et al, 2017 492 1539 0.3197 [0.2964; 0.3436] 0.4%
Anita et al, 2014 22 148 0.1486 [0.0956; 0.2164] 0.3%
Grabow et al, 1994 16 782 0.0205 [0.0117; 0.0330] 0.3%
Hardtke et al, 2018 91 408 0.2230 [0.1836; 0.2666] 0.3%
Ataei et al, 2007 31 816 0.0380 [0.0260; 0.0535] 0.3%
Hesamizadeh et al, 2015 45 514 0.0875 [0.0646; 0.1154] 0.3%
Jahromi et al, 2013 26 477 0.0545 [0.0359; 0.0788] 0.3%
Sepanlou et al, 2010 105 1423 0.0738 [0.0607; 0.0886] 0.4%
Pujol et al, 1994 23 611 0.0376 [0.0240; 0.0559] 0.3%
Raoofi et al, 2012 31 400 0.0775 [0.0533; 0.1082] 0.3%
Poovorawan et al, 1996 61 1038 0.0588 [0.0452; 0.0749] 0.3%
Chen et al, 2012 2793 14208 0.1966 [0.1901; 0.2032] 0.4%
Madden et al, 2016 324 1161 0.2791 [0.2534; 0.3058] 0.4%
Lopes et al, 2017 78 300 0.2600 [0.2113; 0.3135] 0.3%
Liang et al, 2014 129 307 0.4202 [0.3644; 0.4776] 0.3%
Jia et al, 2014 3721 15862 0.2346 [0.2280; 0.2413] 0.4%
Ma et al, 2010 407 2090 0.1947 [0.1780; 0.2124] 0.4%
Li et al, 2011 69 173 0.3988 [0.3253; 0.4759] 0.3%
Li et al, 2014 197 1638 0.1203 [0.1049; 0.1370] 0.4%
Intharasongkroh et al, 2019 0 1019 0.0000 [0.0000; 0.0036] 0.3%
Lee et al, 1993 43 984 0.0437 [0.0318; 0.0584] 0.3%
Liu et al, 2019 3419 10256 0.3334 [0.3242; 0.3426] 0.4%
Kang et al, 2017 121 600 0.2017 [0.1703; 0.2360] 0.3%
Li et al, 2006 3154 7284 0.4330 [0.4216; 0.4445] 0.4%
Matins et al, 2014 24 431 0.0557 [0.0360; 0.0817] 0.3%
Jahanbakhsh et al, 2017 136 562 0.2420 [0.2071; 0.2796] 0.3%
Chironna et al, 1999 20 526 0.0380 [0.0234; 0.0581] 0.3%
Esquivel et al, 2014 100 273 0.3663 [0.3090; 0.4265] 0.3%
Cui et al, 2016 228 1028 0.2218 [0.1967; 0.2485] 0.3%
Pilakasiri et al, 2009 44 381 0.1155 [0.0852; 0.1519] 0.3%
Ghorbani et al, 2007 9 800 0.0112 [0.0052; 0.0212] 0.3%
Zeng et al, 2014 26 513 0.0507 [0.0334; 0.0734] 0.3%
Yu et al, 2009 841 3994 0.2106 [0.1980; 0.2235] 0.4%
Zhang et al, 2017 236 600 0.3933 [0.3540; 0.4337] 0.3%
Cheng et al, 2007 109 754 0.1446 [0.1202; 0.1717] 0.3%
Colak et al, 2002 3 338 0.0089 [0.0018; 0.0257] 0.3%
Cong et al, 2014 208 890 0.2337 [0.2063; 0.2629] 0.3%
Terzic et al, 2009 24 400 0.0600 [0.0388; 0.0880] 0.3%
Bayhan et al, 2016 17 408 0.0417 [0.0245; 0.0659] 0.3%
Abe et al, 2004 62 341 0.1818 [0.1423; 0.2269] 0.3%
Atabek et al, 2004 12 210 0.0571 [0.0299; 0.0977] 0.3%
Cevahir et al, 2013 23 185 0.1243 [0.0805; 0.1807] 0.3%
Kaya et al, 2007 2 589 0.0034 [0.0004; 0.0122] 0.3%
Lin et al, 2004 86 2588 0.0332 [0.0267; 0.0409] 0.4%
Meng et al, 2015 174 1500 0.1160 [0.1002; 0.1333] 0.4%
Mohanavalli et al, 2002 16 185 0.0865 [0.0502; 0.1366] 0.3%
Sencan et al, 2003 34 476 0.0714 [0.0500; 0.0984] 0.3%
Shamsizadeh et al, 2009 48 566 0.0848 [0.0632; 0.1109] 0.3%
Sidal et al, 2001 19 909 0.0209 [0.0126; 0.0324] 0.3%
Toole et al, 2006 132 426 0.3099 [0.2662; 0.3562] 0.3%
Saffar et al, 2009 25 1080 0.0231 [0.0150; 0.0340] 0.3%
Dong et al, 2007 2073 12052 0.1720 [0.1653; 0.1789] 0.4%
Lu et al, 2009 1547 8762 0.1766 [0.1686; 0.1847] 0.4%
Munoz et al, 1999 374 3549 0.1054 [0.0955; 0.1160] 0.4%
Héctor et al, 2017 1 127 0.0079 [0.0002; 0.0431] 0.3%
Li et al, 2019 139 946 0.1469 [0.1250; 0.1711] 0.3%
Lee et al, 2013 2 100 0.0200 [0.0024; 0.0704] 0.3%
Serkan et al, 2005 27 386 0.0699 [0.0466; 0.1001] 0.3%
Dorcas et al, 2018 48 393 0.1221 [0.0914; 0.1587] 0.3%
Rui et al, 2018 49 225 0.2178 [0.1657; 0.2775] 0.3%
Zakieh et al, 2013 5 136 0.0368 [0.0120; 0.0837] 0.3%
Caron et al, 2008 119 840 0.1417 [0.1188; 0.1671] 0.3%
Caron et al, 2012 16 243 0.0658 [0.0381; 0.1047] 0.3%
Cosme et al, 2014 25 439 0.0569 [0.0372; 0.0829] 0.3%
Cevrioglu et al, 2004 31 245 0.1265 [0.0876; 0.1748] 0.3%
Farshadpour et al, 2018 83 1331 0.0624 [0.0500; 0.0767] 0.4%
Huang et al, 2013 30 293 0.1024 [0.0702; 0.1429] 0.3%
Alizadeh et al, 2016 10 321 0.0312 [0.0150; 0.0565] 0.3%
Esquivel et al, 2015 10 150 0.0667 [0.0324; 0.1192] 0.3%
Esquivel et al, 2015 25 439 0.0569 [0.0372; 0.0829] 0.3%
Trinta et al,2001 3 405 0.0074 [0.0015; 0.0215] 0.3%
Lemos et al, 2000 16 1149 0.0139 [0.0080; 0.0225] 0.4%
Random effects model 618638 0.1279 [0.1081; 0.1492] 38.7%
Heterogeneity: I^2 = 100%, τ^2 = 0.0268, p = 0
Random effects model **1099717** **0.1247 [0.1042; 0.1467] 100.0%**
Heterogeneity: I^2 = 100%, τ^2 = 0.0769, p = 0
Residual heterogeneity: I^2 = 100%, p = 0
0 0.2 0.4 0.6 0.8

Figure S11. Forest plot of estimated pooled anti-HEV IgG seroprevalence among general population based on developed countries and developing countries.

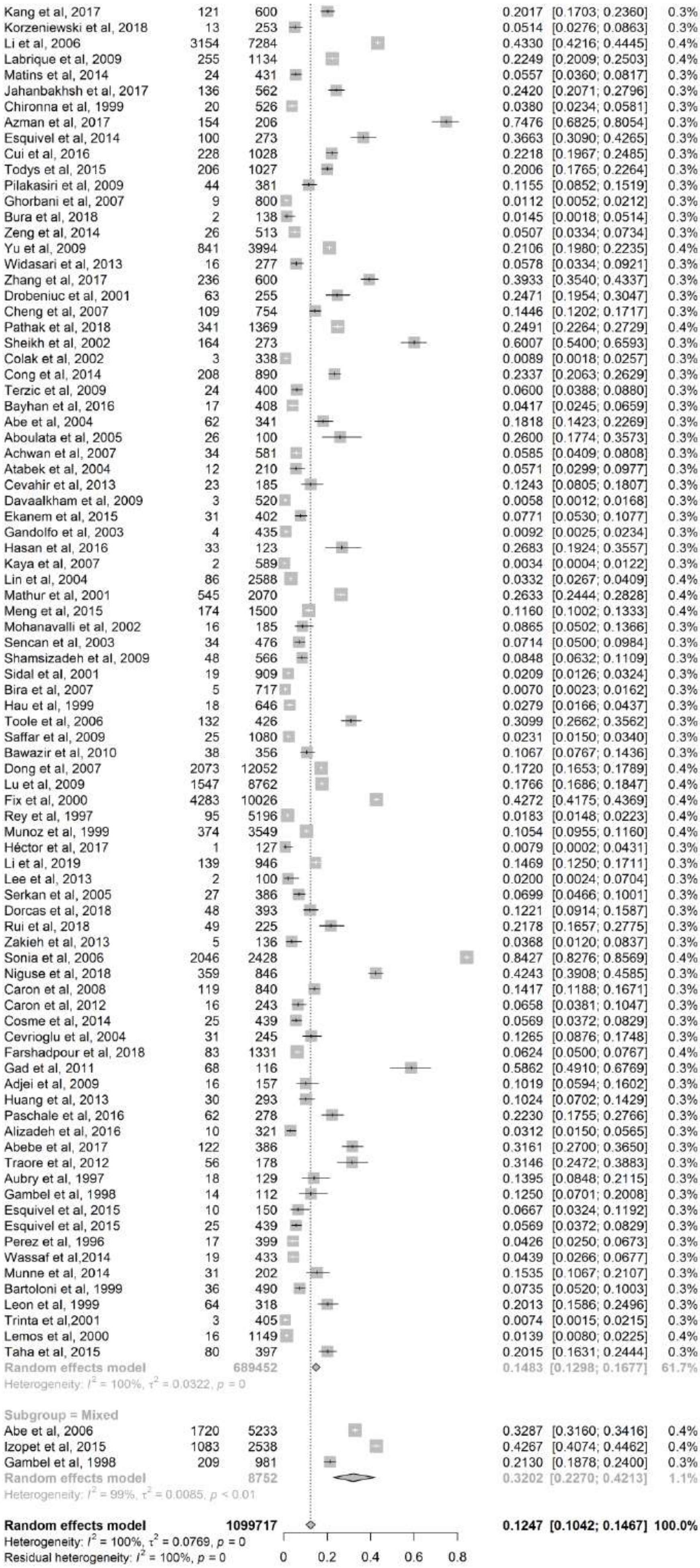
Note: subgroup named mixed means study contained people from several different countries and thus cannot be divided into developed country or developing country.



Study	Events	Total	Proportion	95%-CI	Weight
Subgroup = Developed Country					
Maria et al, 2006	96	1280	0.0750	[0.0612; 0.0908]	0.4%
Ahn et al, 2005	138	1030	0.1340	[0.1138; 0.1563]	0.3%
Boutrouille et al, 2007	64	1998	0.0320	[0.0248; 0.0407]	0.4%
Christensen et al,2018	293	906	0.3234	[0.2930; 0.3549]	0.3%
Baylis et al, 2012	1	165010	0.0000	[0.0000; 0.0000]	0.4%
Yoon et al, 2014	144	2450	0.0588	[0.0498; 0.0688]	0.4%
Takahashi et al, 2010	1167	22027	0.0530	[0.0501; 0.0560]	0.4%
O'Riordan et al, 2016	57	1076	0.0530	[0.0404; 0.0681]	0.3%
Spada et al, 2018	869	10011	0.0868	[0.0814; 0.0925]	0.4%
Moaven et al, 1995	17	550	0.0309	[0.0181; 0.0490]	0.3%
Nascimento et al, 2016	270	1656	0.1630	[0.1456; 0.1817]	0.4%
Takeda et al, 2010	431	12600	0.0342	[0.0311; 0.0375]	0.4%
Minuk et al, 2007	11	393	0.0280	[0.0141; 0.0495]	0.3%
Verhoef et al, 2011	134	7072	0.0189	[0.0159; 0.0224]	0.4%
Mooij et al, 2018	648	2100	0.3086	[0.2889; 0.3288]	0.4%
Lafeber et al, 2017	666	2422	0.2750	[0.2573; 0.2932]	0.4%
Yun et al, 2011	46	489	0.0941	[0.0697; 0.1235]	0.3%
Slot et al, 2013	1401	5239	0.2674	[0.2555; 0.2796]	0.4%
Straková et al, 2016	13	230	0.0565	[0.0304; 0.0947]	0.3%
Wenzel et al, 2014	929	2184	0.4254	[0.4045; 0.4464]	0.4%
Sakata et al, 2008	45	1389	0.0324	[0.0237; 0.0431]	0.4%
Sadik et al, 2016	459	1199	0.3828	[0.3552; 0.4110]	0.4%
Thom et al, 2017	104	2311	0.0450	[0.0369; 0.0543]	0.4%
Mor et al, 2015	77	729	0.1056	[0.0843; 0.1302]	0.3%
Toyoda et al, 2008	60	592	0.1014	[0.0782; 0.1285]	0.3%
Sauleda et al, 2014	1996	9998	0.1996	[0.1918; 0.2076]	0.4%
Pittaras et al, 2014	25	265	0.0943	[0.0620; 0.1361]	0.3%
Niederhauser et al, 2017	737	3609	0.2042	[0.1912; 0.2177]	0.4%
Hewitt et al, 2018	98	1013	0.0967	[0.0792; 0.1166]	0.3%
Alberts et al, 2018	190	7065	0.0269	[0.0232; 0.0309]	0.4%
Gessoni et al, 1996	49	1889	0.0259	[0.0193; 0.0341]	0.4%
Fukuda et al, 2007	168	3185	0.0527	[0.0452; 0.0611]	0.4%
Fogeda et al, 2012	25	2305	0.0108	[0.0070; 0.0160]	0.4%
Fischer et al, 2014	163	1203	0.1355	[0.1166; 0.1561]	0.4%
Fearon et al, 2017	241	4102	0.0588	[0.0517; 0.0664]	0.4%
Harvala et al, 2018	42	480	0.0875	[0.0638; 0.1164]	0.3%
Cleland et al, 2013	73	1559	0.0468	[0.0369; 0.0585]	0.4%
Cangin et al, 2018	377	7656	0.0492	[0.0445; 0.0543]	0.4%
Ditah et al, 2014	490	8814	0.0556	[0.0509; 0.0606]	0.4%
Dimeglio et al, 2018	23	300	0.0767	[0.0492; 0.1128]	0.3%
Ding et al, 2003	15	533	0.0281	[0.0158; 0.0460]	0.3%
Hogema et al, 2016	11	45	0.2444	[0.1288; 0.3954]	0.3%
Hickey et al, 2016	16	198	0.0808	[0.0469; 0.1279]	0.3%
Mitsui et al, 2005	6	266	0.0226	[0.0083; 0.0484]	0.3%
Bernal et al, 1995	36	1757	0.0205	[0.0144; 0.0283]	0.4%
Ricco et al, 2016	9	199	0.0452	[0.0209; 0.0841]	0.3%
Puttini et al, 2015	12	132	0.0909	[0.0479; 0.1534]	0.3%
Pavia et al, 1998	3	360	0.0083	[0.0017; 0.0242]	0.3%
Zuin et al, 2016	380	3546	0.1072	[0.0972; 0.1178]	0.4%
Scotto et al, 2012	2	151	0.0132	[0.0016; 0.0470]	0.3%
Sabato et al, 2017	4	253	0.0158	[0.0043; 0.0400]	0.3%
Love et al, 2018	6	291	0.0206	[0.0076; 0.0443]	0.3%
Mansuy et al, 2016	2371	10569	0.2243	[0.2164; 0.2324]	0.4%
Karetny et al, 1995	37	1416	0.0261	[0.0185; 0.0358]	0.4%
Lucarelli et al, 2016	153	313	0.4888	[0.4322; 0.5457]	0.3%
Lange et al, 2016	177	1263	0.1401	[0.1215; 0.1605]	0.4%
Mateos et al, 1998	34	905	0.0376	[0.0262; 0.0521]	0.3%
Marcantonio et al, 2018	10	198	0.0505	[0.0245; 0.0909]	0.3%
Karetnyi et al, 1999	36	734	0.0490	[0.0346; 0.0673]	0.3%
Lanini et al, 2015	60	1116	0.0538	[0.0413; 0.0687]	0.4%
Kaufmann et al, 2011	27	550	0.0491	[0.0326; 0.0706]	0.3%
Mansuy et al, 2004	46	431	0.1067	[0.0792; 0.1398]	0.3%
Mansuy et al, 2015	1310	3353	0.3907	[0.3741; 0.4074]	0.4%
Juhl et al, 2017	70	449	0.1559	[0.1236; 0.1928]	0.3%
Juhl et al, 2014	69	1019	0.0677	[0.0531; 0.0849]	0.3%
Nagler et al, 2014	143	997	0.1434	[0.1222; 0.1667]	0.3%

Study	Events	Total	Proportion	95%-CI	Weight
Langer et al, 1997	3	553	0.0054	[0.0011; 0.0158]	0.3%
Lavanchy et al, 1994	14	317	0.0442	[0.0244; 0.0730]	0.3%
Mahrt et al, 2018	679	3000	0.2263	[0.2115; 0.2417]	0.4%
Kuniholm et al, 2009	3916	18695	0.2095	[0.2037; 0.2154]	0.4%
Krumbholz et al, 2011	18	116	0.1552	[0.0946; 0.2341]	0.3%
Krumbholz et al, 2014	65	537	0.1210	[0.0947; 0.1517]	0.3%
Jeggli et al, 2015	25	752	0.0332	[0.0216; 0.0487]	0.3%
Kantala et al, 2015	37	385	0.0961	[0.0686; 0.1300]	0.3%
Jablonka et al, 2017	122	604	0.2020	[0.1707; 0.2363]	0.3%
Kaba et al, 2010	57	490	0.1163	[0.0893; 0.1481]	0.3%
Rapicetta et al,1999	113	973	0.1161	[0.0967; 0.1380]	0.3%
Lachish et al, 2013	19	4970	0.0038	[0.0023; 0.0060]	0.4%
Schielke et al, 2015	26	126	0.2063	[0.1394; 0.2875]	0.3%
Nübling et al, 2002	20	511	0.0391	[0.0241; 0.0598]	0.3%
Meader et al, 2008	10	413	0.0242	[0.0117; 0.0441]	0.3%
Tabili et al, 2013	23	103	0.2233	[0.1471; 0.3160]	0.3%
Dremsek et al, 2012	132	853	0.1547	[0.1311; 0.1808]	0.3%
Eick et al, 2010	16	1500	0.0107	[0.0061; 0.0173]	0.4%
Alecci et al, 1997	3	244	0.0123	[0.0025; 0.0355]	0.3%
Chaussade et al, 2013	83	322	0.2578	[0.2109; 0.3092]	0.3%
Whiters et al, 2002	3	125	0.0240	[0.0050; 0.0685]	0.3%
Teixeira et al, 2017	106	804	0.1318	[0.1092; 0.1572]	0.3%
Olsen et al, 2006	10	108	0.0926	[0.0453; 0.1637]	0.3%
Bouwknegt et al, 2008	12	644	0.0186	[0.0097; 0.0323]	0.3%
Galiana et al, 2008	4	97	0.0412	[0.0113; 0.1022]	0.3%
Dalton et al, 2017	11	464	0.0237	[0.0119; 0.0420]	0.3%
Chow et al, 1996	30	219	0.1370	[0.0944; 0.1897]	0.3%
Buti et al, 2008	57	1249	0.0456	[0.0347; 0.0587]	0.4%
Goto et al, 2006	9	344	0.0262	[0.0120; 0.0491]	0.3%
Krumbholz et al, 2014	16	1646	0.0097	[0.0056; 0.0157]	0.4%
Oliveira et al, 2017	4	352	0.0114	[0.0031; 0.0288]	0.3%
Ijaz et al, 2009	362	2731	0.1326	[0.1201; 0.1458]	0.4%
Christophe et al, 2004	24	315	0.0762	[0.0494; 0.1112]	0.3%
Maria et al, 2010	38	1040	0.0365	[0.0260; 0.0498]	0.3%
Zhang et al, 2015	1352	6262	0.2159	[0.2058; 0.2263]	0.4%
Kyvernitakis et al, 2015	12	115	0.1043	[0.0551; 0.1752]	0.3%
Tashale et al, 2015	1081	13851	0.0780	[0.0736; 0.0826]	0.4%
Xu et al,2013	364	1939	0.1877	[0.1706; 0.2058]	0.4%
Stramer et al, 2015	27	200	0.1350	[0.0909; 0.1903]	0.3%
Meng et al, 2001	73	400	0.1825	[0.1459; 0.2239]	0.3%
Katrina et al, 2018	104	1714	0.0607	[0.0498; 0.0730]	0.4%
Random effects model		401513	0.0859	[0.0646; 0.1099]	37.3%
Heterogeneity: $I^2 = 100\%$, $\tau^2 = 0.0450$, $p = 0$					
Subgroup = Developing Country					
Chang et al, 2009	522	2572	0.2030	[0.1876; 0.2190]	0.4%
Geng et al, 2011	538	2682	0.2006	[0.1856; 0.2163]	0.4%
Yuan et al, 2017	268	1200	0.2233	[0.2001; 0.2480]	0.4%
Chen et al, 2019	799	4044	0.1976	[0.1854; 0.2102]	0.4%
Edward et al, 1997	571	757	0.7543	[0.7220; 0.7846]	0.3%
Corwin et al, 1996	26	187	0.1390	[0.0929; 0.1970]	0.3%
Hassan et al, 2013	76	530	0.1434	[0.1147; 0.1762]	0.3%
Fatemeh et al, 2014	235	510	0.4608	[0.4169; 0.5051]	0.3%
Guo et al, 2009	14610	44816	0.3260	[0.3217; 0.3304]	0.4%
Halliday et al, 2014	120	1048	0.1145	[0.0959; 0.1354]	0.3%
Azarkar et al, 2017	139	554	0.2509	[0.2153; 0.2892]	0.3%
Cainelli et al, 2018	11	199	0.0553	[0.0279; 0.0968]	0.3%
Assarehzadegan et al, 2007	46	400	0.1150	[0.0854; 0.1504]	0.3%
Dell'Amico et al, 2011	12	123	0.0976	[0.0514; 0.1642]	0.3%
Takahashi et al, 2004	28	249	0.1124	[0.0760; 0.1584]	0.3%
Nasrallah et al, 2017	1198	5854	0.2046	[0.1944; 0.2152]	0.4%
Zhuang et al, 2014	113	486	0.2325	[0.1956; 0.2727]	0.3%

Nouhin et al, 2016	85	301	0.2824	[0.2322; 0.3369]	0.3%
Castilho et al, 2017	49	500	0.0980	[0.0734; 0.1275]	0.3%
Olcay et al, 2003	57	910	0.0626	[0.0478; 0.0804]	0.3%
Rapicetta et al, 1999	33	2233	0.0148	[0.0102; 0.0207]	0.4%
Nouhin et al, 2018	829	2004	0.4137	[0.3920; 0.4356]	0.4%
Wong et al, 2004	176	934	0.1884	[0.1638; 0.2150]	0.3%
Meldal et al, 2013	11	239	0.0460	[0.0232; 0.0809]	0.3%
Petrovi et al, 2014	30	200	0.1500	[0.1035; 0.2072]	0.3%
Wang et al, 2017	2682	9069	0.2957	[0.2864; 0.3052]	0.4%
Tripathy et al, 2018	433	2447	0.1770	[0.1620; 0.1927]	0.4%
Quintana et al, 2005	11	209	0.0526	[0.0266; 0.0922]	0.3%
Taremi et al, 2007	31	399	0.0777	[0.0534; 0.1085]	0.3%
Castilho et al, 2016	30	300	0.1000	[0.0685; 0.1397]	0.3%
Vivek et al, 2010	330	2279	0.1448	[0.1306; 0.1599]	0.4%
Zhu et al, 2008	1289	4654	0.2770	[0.2641; 0.2901]	0.4%
Mohebbi et al, 2012	51	551	0.0926	[0.0697; 0.1199]	0.3%
Yang et al, 2014	473	2028	0.2332	[0.2150; 0.2523]	0.4%
Zhu et al, 2014	152061	400162	0.3800	[0.3785; 0.3815]	0.4%
Villalba et al, 2014	47	469	0.1002	[0.0746; 0.1310]	0.3%
Shrestha et al, 2016	773	1845	0.4190	[0.3963; 0.4419]	0.4%
Mohammad et al, 2017	139	450	0.3089	[0.2665; 0.3538]	0.3%
Yamada et al, 2015	160	868	0.1843	[0.1591; 0.2118]	0.3%
Vitral et al, 2014	50	388	0.1289	[0.0972; 0.1663]	0.3%
Peng et al, 1995	76	997	0.0762	[0.0605; 0.0945]	0.3%
Talarmin et al, 1997	64	996	0.0643	[0.0498; 0.0813]	0.3%
Ren et al, 2013	2945	10741	0.2742	[0.2658; 0.2827]	0.4%
Santos et al, 2002	17	699	0.0243	[0.0142; 0.0387]	0.3%
Miller et al, 1998	1	403	0.0025	[0.0001; 0.0137]	0.3%
Parsa et al, 2016	50	700	0.0714	[0.0535; 0.0931]	0.3%
Schreuder et al, 2016	25	600	0.0417	[0.0271; 0.0609]	0.3%
Jahromi et al, 2013	26	477	0.0545	[0.0359; 0.0788]	0.3%
Teoharov et al, 2014	67	741	0.0904	[0.0708; 0.1134]	0.3%
Bortoliero et al, 2006	23	996	0.0231	[0.0147; 0.0344]	0.3%
Grabarczyk et al, 2018	1340	3079	0.4352	[0.4176; 0.4529]	0.4%
Feng et al, 2018	1273	1912	0.6658	[0.6441; 0.6869]	0.4%
Paula et al, 2001	10	255	0.0392	[0.0190; 0.0709]	0.3%
Goncales et al, 2000	18	357	0.0504	[0.0302; 0.0785]	0.3%
Cai et al, 2016	1842	3337	0.5520	[0.5349; 0.5690]	0.4%
Chiu et al, 2013	129	450	0.2867	[0.2453; 0.3309]	0.3%
Chan et al, 2017	492	1539	0.3197	[0.2964; 0.3436]	0.4%
Arif et al, 1994	160	1418	0.1128	[0.0968; 0.1305]	0.4%
Abdelaal et al, 1995	100	593	0.1686	[0.1394; 0.2012]	0.3%
Amarapurkar et al, 2008	416	1163	0.3577	[0.3301; 0.3860]	0.4%
Anita et al, 2014	22	148	0.1486	[0.0956; 0.2164]	0.3%
Grabow et al, 1994	16	782	0.0205	[0.0117; 0.0330]	0.3%
Hardtke et al, 2018	91	408	0.2230	[0.1836; 0.2666]	0.3%
Ataei et al, 2007	31	816	0.0380	[0.0260; 0.0535]	0.3%
Hesamizadeh et al, 2015	45	514	0.0875	[0.0646; 0.1154]	0.3%
Houcine et al, 2012	37	687	0.0539	[0.0382; 0.0735]	0.3%
Jahromi et al, 2013	26	477	0.0545	[0.0359; 0.0788]	0.3%
Sepanlou et al, 2010	105	1423	0.0738	[0.0607; 0.0886]	0.4%
Adesina et al, 2009	25	186	0.1344	[0.0889; 0.1920]	0.3%
Pujol et al, 1994	23	611	0.0376	[0.0240; 0.0559]	0.3%
Raoofi et al, 2012	31	400	0.0775	[0.0533; 0.1082]	0.3%
Rahman et al, 2014	90	300	0.3000	[0.2487; 0.3553]	0.3%
Poovorawan et al, 1996	61	1038	0.0588	[0.0452; 0.0749]	0.3%
Chen et al, 2012	2793	14208	0.1966	[0.1901; 0.2032]	0.4%
Madden et al, 2016	324	1161	0.2791	[0.2534; 0.3058]	0.4%
Lopes et al, 2017	78	300	0.2600	[0.2113; 0.3135]	0.3%
Kotwal et al, 2014	712	4175	0.1705	[0.1592; 0.1823]	0.4%
Liang et al, 2014	129	307	0.4202	[0.3644; 0.4776]	0.3%
Johargy et al, 2013	168	900	0.1867	[0.1617; 0.2137]	0.3%
Jia et al, 2014	3721	15862	0.2346	[0.2280; 0.2413]	0.4%
Ma et al, 2010	407	2090	0.1947	[0.1780; 0.2124]	0.4%
Li et al, 2011	69	173	0.3988	[0.3253; 0.4759]	0.3%
Konomi et al, 1999	93	574	0.1620	[0.1328; 0.1948]	0.3%
Li et al, 2014	197	1638	0.1203	[0.1049; 0.1370]	0.4%
Katiyar et al, 2018	383	633	0.6051	[0.5658; 0.6434]	0.3%
Intharasongkroh et al, 2019	0	1019	0.0000	[0.0000; 0.0036]	0.3%
Kamel et al, 1995	214	1259	0.1700	[0.1496; 0.1919]	0.4%
Lee et al, 1993	43	984	0.0437	[0.0318; 0.0584]	0.3%
Ibarra et al, 1994	82	469	0.1748	[0.1415; 0.2123]	0.3%
Liu et al, 2019	3419	10256	0.3334	[0.3242; 0.3426]	0.4%
Khounvisith et al, 2018	38	210	0.1810	[0.1313; 0.2398]	0.3%



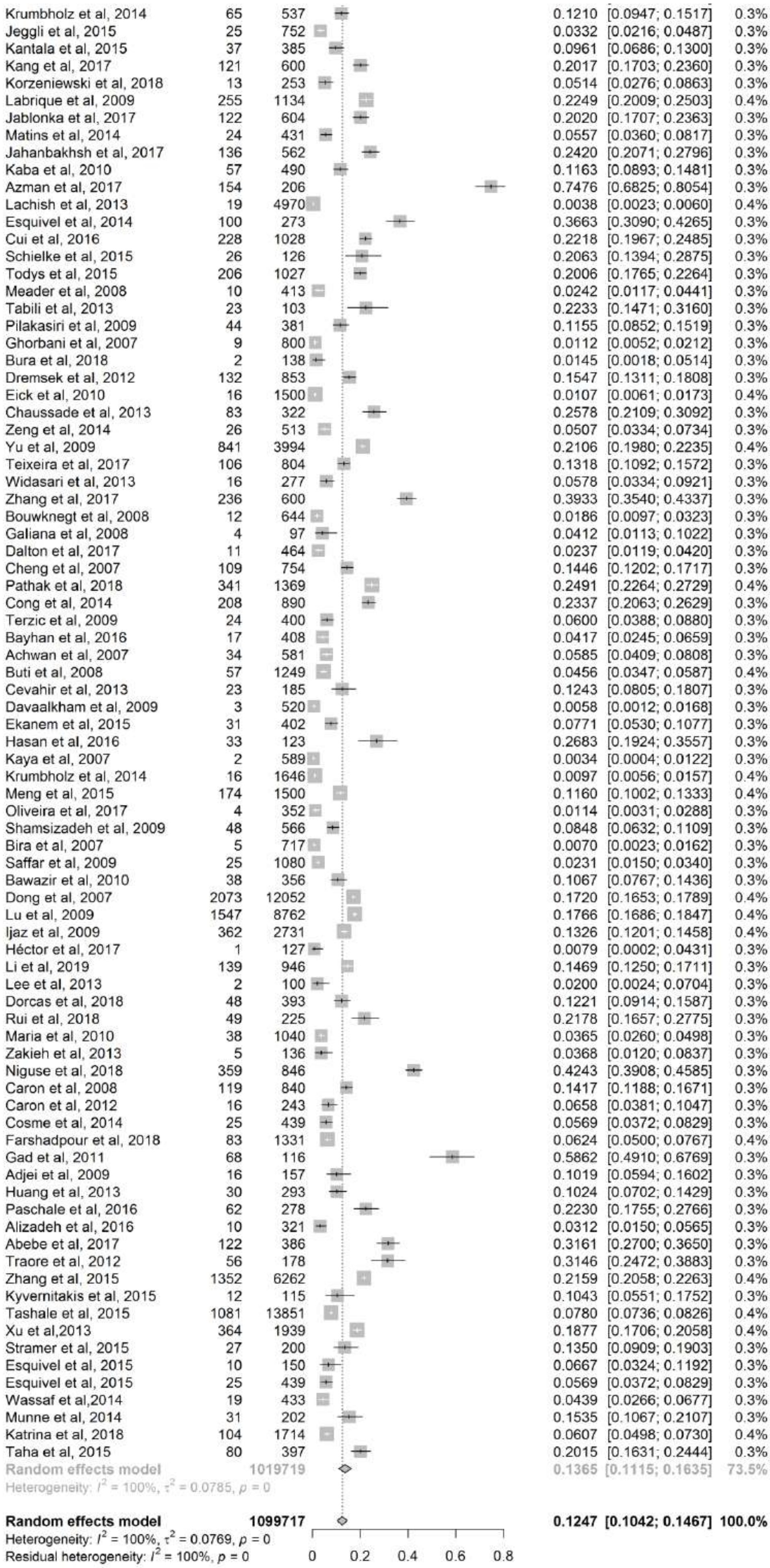
Kang et al, 2017 121 600 0.2017 [0.1703; 0.2360] 0.3%
Korzeniewski et al, 2018 13 253 0.0514 [0.0276; 0.0863] 0.3%
Li et al, 2006 3154 7284 0.4330 [0.4216; 0.4445] 0.4%
Labrique et al, 2009 255 1134 0.2249 [0.2009; 0.2503] 0.4%
Matins et al, 2014 24 431 0.0557 [0.0360; 0.0817] 0.3%
Jahanbakhsh et al, 2017 136 562 0.2420 [0.2071; 0.2796] 0.3%
Chironna et al, 1999 20 526 0.0380 [0.0234; 0.0581] 0.3%
Azman et al, 2017 154 206 0.7476 [0.6825; 0.8054] 0.3%
Esquivel et al, 2014 100 273 0.3663 [0.3090; 0.4265] 0.3%
Cui et al, 2016 228 1028 0.2218 [0.1967; 0.2485] 0.3%
Todys et al, 2015 206 1027 0.2006 [0.1765; 0.2264] 0.3%
Pilakasiri et al, 2009 44 381 0.1155 [0.0852; 0.1519] 0.3%
Ghorbani et al, 2007 9 800 0.0112 [0.0052; 0.0212] 0.3%
Bura et al, 2018 2 138 0.0145 [0.0018; 0.0514] 0.3%
Zeng et al, 2014 26 513 0.0507 [0.0334; 0.0734] 0.3%
Yu et al, 2009 841 3994 0.2106 [0.1980; 0.2235] 0.4%
Widasari et al, 2013 16 277 0.0578 [0.0334; 0.0921] 0.3%
Zhang et al, 2017 236 600 0.3933 [0.3540; 0.4337] 0.3%
Drobeniuc et al, 2001 63 255 0.2471 [0.1954; 0.3047] 0.3%
Cheng et al, 2007 109 754 0.1446 [0.1202; 0.1717] 0.3%
Pathak et al, 2018 341 1369 0.2491 [0.2264; 0.2729] 0.4%
Sheikh et al, 2002 164 273 0.6007 [0.5400; 0.6593] 0.3%
Colak et al, 2002 3 338 0.0089 [0.0018; 0.0257] 0.3%
Cong et al, 2014 208 890 0.2337 [0.2063; 0.2629] 0.3%
Terzic et al, 2009 24 400 0.0600 [0.0388; 0.0880] 0.3%
Bayhan et al, 2016 17 408 0.0417 [0.0245; 0.0659] 0.3%
Abe et al, 2004 62 341 0.1818 [0.1423; 0.2269] 0.3%
Aboulata et al, 2005 26 100 0.2600 [0.1774; 0.3573] 0.3%
Achwan et al, 2007 34 581 0.0585 [0.0409; 0.0808] 0.3%
Atabek et al, 2004 12 210 0.0571 [0.0299; 0.0977] 0.3%
Cevahir et al, 2013 23 185 0.1243 [0.0805; 0.1807] 0.3%
Davaalkham et al, 2009 3 520 0.0058 [0.0012; 0.0168] 0.3%
Ekanem et al, 2015 31 402 0.0771 [0.0530; 0.1077] 0.3%
Gandolfo et al, 2003 4 435 0.0092 [0.0025; 0.0234] 0.3%
Hasan et al, 2016 33 123 0.2683 [0.1924; 0.3557] 0.3%
Kaya et al, 2007 2 589 0.0034 [0.0004; 0.0122] 0.3%
Lin et al, 2004 86 2588 0.0332 [0.0267; 0.0409] 0.4%
Mathur et al, 2001 545 2070 0.2633 [0.2444; 0.2828] 0.4%
Meng et al, 2015 174 1500 0.1160 [0.1002; 0.1333] 0.4%
Mohanavalli et al, 2002 16 185 0.0865 [0.0502; 0.1366] 0.3%
Sencan et al, 2003 34 476 0.0714 [0.0500; 0.0984] 0.3%
Shamsizadeh et al, 2009 48 566 0.0848 [0.0632; 0.1109] 0.3%
Sidal et al, 2001 19 909 0.0209 [0.0126; 0.0324] 0.3%
Bira et al, 2007 5 717 0.0070 [0.0023; 0.0162] 0.3%
Hau et al, 1999 18 646 0.0279 [0.0166; 0.0437] 0.3%
Toole et al, 2006 132 426 0.3099 [0.2662; 0.3562] 0.3%
Saffar et al, 2009 25 1080 0.0231 [0.0150; 0.0340] 0.3%
Bawazir et al, 2010 38 356 0.1067 [0.0767; 0.1436] 0.3%
Dong et al, 2007 2073 12052 0.1720 [0.1653; 0.1789] 0.4%
Lu et al, 2009 1547 8762 0.1766 [0.1686; 0.1847] 0.4%
Fix et al, 2000 4283 10026 0.4272 [0.4175; 0.4369] 0.4%
Rey et al, 1997 95 5196 0.0183 [0.0148; 0.0223] 0.4%
Munoz et al, 1999 374 3549 0.1054 [0.0955; 0.1160] 0.4%
Héctor et al, 2017 1 127 0.0079 [0.0002; 0.0431] 0.3%
Li et al, 2019 139 946 0.1469 [0.1250; 0.1711] 0.3%
Lee et al, 2013 2 100 0.0200 [0.0024; 0.0704] 0.3%
Serkan et al, 2005 27 386 0.0699 [0.0466; 0.1001] 0.3%
Dorcas et al, 2018 48 393 0.1221 [0.0914; 0.1587] 0.3%
Rui et al, 2018 49 225 0.2178 [0.1657; 0.2775] 0.3%
Zakieh et al, 2013 5 136 0.0368 [0.0120; 0.0837] 0.3%
Sonia et al, 2006 2046 2428 0.8427 [0.8276; 0.8569] 0.4%
Niguse et al, 2018 359 846 0.4243 [0.3908; 0.4585] 0.3%
Caron et al, 2008 119 840 0.1417 [0.1188; 0.1671] 0.3%
Caron et al, 2012 16 243 0.0658 [0.0381; 0.1047] 0.3%
Cosme et al, 2014 25 439 0.0569 [0.0372; 0.0829] 0.3%
Cevrioglu et al, 2004 31 245 0.1265 [0.0876; 0.1748] 0.3%
Farshadpour et al, 2018 83 1331 0.0624 [0.0500; 0.0767] 0.4%
Gad et al, 2011 68 116 0.5862 [0.4910; 0.6769] 0.3%
Adjei et al, 2009 16 157 0.1019 [0.0594; 0.1602] 0.3%
Huang et al, 2013 30 293 0.1024 [0.0702; 0.1429] 0.3%
Paschale et al, 2016 62 278 0.2230 [0.1755; 0.2766] 0.3%
Alizadeh et al, 2016 10 321 0.0312 [0.0150; 0.0565] 0.3%
Abebe et al, 2017 122 386 0.3161 [0.2700; 0.3650] 0.3%
Traore et al, 2012 56 178 0.3146 [0.2472; 0.3883] 0.3%
Aubry et al, 1997 18 129 0.1395 [0.0848; 0.2115] 0.3%
Gambel et al, 1998 14 112 0.1250 [0.0701; 0.2008] 0.3%
Esquivel et al, 2015 10 150 0.0667 [0.0324; 0.1192] 0.3%
Esquivel et al, 2015 25 439 0.0569 [0.0372; 0.0829] 0.3%
Perez et al, 1996 17 399 0.0426 [0.0250; 0.0673] 0.3%
Wassaf et al,2014 19 433 0.0439 [0.0266; 0.0677] 0.3%
Munne et al, 2014 31 202 0.1535 [0.1067; 0.2107] 0.3%
Bartoloni et al, 1999 36 490 0.0735 [0.0520; 0.1003] 0.3%
Leon et al, 1999 64 318 0.2013 [0.1586; 0.2496] 0.3%
Trinta et al,2001 3 405 0.0074 [0.0015; 0.0215] 0.3%
Lemos et al, 2000 16 1149 0.0139 [0.0080; 0.0225] 0.4%
Taha et al, 2015 80 397 0.2015 [0.1631; 0.2444] 0.3%
Random effects model 689452 0.1483 [0.1298; 0.1677] 61.7%
Heterogeneity: I^2 = 100%, τ^2 = 0.0322, p = 0
Subgroup = Mixed
Abe et al, 2006 1720 5233 0.3287 [0.3160; 0.3416] 0.4%
Izopet et al, 2015 1083 2538 0.4267 [0.4074; 0.4462] 0.4%
Gambel et al, 1998 209 981 0.2130 [0.1878; 0.2400] 0.3%
Random effects model 8752 0.3202 [0.2270; 0.4213] 1.1%
Heterogeneity: I^2 = 99%, τ^2 = 0.0085, p < 0.01
Random effects model 1099717 0.1247 [0.1042; 0.1467] 100.0%
Heterogeneity: I^2 = 100%, τ^2 = 0.0769, p = 0
Residual heterogeneity: I^2 = 100%, p = 0
0 0.2 0.4 0.6 0.8

Figure S12. Forest plot of estimated pooled anti-HEV IgG seroprevalence among general population based on time period of 1993-2006 and 2007-2019.

Study	Events	Total	Proportion	95%-CI	Weight
Time = 1993-2006					
Edward et al, 1997	571	757	0.7543	[0.7220; 0.7846]	0.3%
Corwin et al, 1996	26	187	0.1390	[0.0929; 0.1970]	0.3%
Ahn et al, 2005	138	1030	0.1340	[0.1138; 0.1563]	0.3%
Abe et al, 2006	1720	5233	0.3287	[0.3160; 0.3416]	0.4%
Takahashi et al, 2004	28	249	0.1124	[0.0760; 0.1584]	0.3%
Moaven et al, 1995	17	550	0.0309	[0.0181; 0.0490]	0.3%
Olcay et al, 2003	57	910	0.0626	[0.0478; 0.0804]	0.3%
Rapicetta et al, 1999	33	2233	0.0148	[0.0102; 0.0207]	0.4%
Wong et al, 2004	176	934	0.1884	[0.1638; 0.2150]	0.3%
Quintana et al, 2005	11	209	0.0526	[0.0266; 0.0922]	0.3%
Peng et al, 1995	76	997	0.0762	[0.0605; 0.0945]	0.3%
Talarmin et al, 1997	64	996	0.0643	[0.0498; 0.0813]	0.3%
Santos et al, 2002	17	699	0.0243	[0.0142; 0.0387]	0.3%
Miller et al, 1998	1	403	0.0025	[0.0001; 0.0137]	0.3%
Bortoliero et al, 2006	23	996	0.0231	[0.0147; 0.0344]	0.3%
Gessoni et al, 1996	49	1889	0.0259	[0.0193; 0.0341]	0.4%
Paula et al, 2001	10	255	0.0392	[0.0190; 0.0709]	0.3%
Goncales et al, 2000	18	357	0.0504	[0.0302; 0.0785]	0.3%
Ding et al, 2003	15	533	0.0281	[0.0158; 0.0460]	0.3%
Arif et al, 1994	160	1418	0.1128	[0.0968; 0.1305]	0.4%
Abdelaal et al, 1995	100	593	0.1686	[0.1394; 0.2012]	0.3%
Grabow et al, 1994	16	782	0.0205	[0.0117; 0.0330]	0.3%
Mitsui et al, 2005	6	266	0.0226	[0.0083; 0.0484]	0.3%
Bernal et al, 1995	36	1757	0.0205	[0.0144; 0.0283]	0.4%
Pujol et al, 1994	23	611	0.0376	[0.0240; 0.0559]	0.3%
Pavia et al, 1998	3	360	0.0083	[0.0017; 0.0242]	0.3%
Poovorawan et al, 1996	61	1038	0.0588	[0.0452; 0.0749]	0.3%
Karetny et al, 1995	37	1416	0.0261	[0.0185; 0.0358]	0.4%
Mateos et al, 1998	34	905	0.0376	[0.0262; 0.0521]	0.3%
Karetnyi et al, 1999	36	734	0.0490	[0.0346; 0.0673]	0.3%
Mansuy et al, 2004	46	431	0.1067	[0.0792; 0.1398]	0.3%
Konomi et al, 1999	93	574	0.1620	[0.1328; 0.1948]	0.3%
Kamel et al, 1995	214	1259	0.1700	[0.1496; 0.1919]	0.4%
Langer et al, 1997	3	553	0.0054	[0.0011; 0.0158]	0.3%
Lee et al, 1993	43	984	0.0437	[0.0318; 0.0584]	0.3%
Lavanchy et al, 1994	14	317	0.0442	[0.0244; 0.0730]	0.3%
Ibarra et al, 1994	82	469	0.1748	[0.1415; 0.2123]	0.3%
Li et al, 2006	3154	7284	0.4330	[0.4216; 0.4445]	0.4%
Chironna et al, 1999	20	526	0.0380	[0.0234; 0.0581]	0.3%
Rapicetta et al,1999	113	973	0.1161	[0.0967; 0.1380]	0.3%
Nübling et al, 2002	20	511	0.0391	[0.0241; 0.0598]	0.3%
Gambel et al, 1998	209	981	0.2130	[0.1878; 0.2400]	0.3%
Alecci et al, 1997	3	244	0.0123	[0.0025; 0.0355]	0.3%
Whiters et al, 2002	3	125	0.0240	[0.0050; 0.0685]	0.3%
Olsen et al, 2006	10	108	0.0926	[0.0453; 0.1637]	0.3%
Drobeniuc et al, 2001	63	255	0.2471	[0.1954; 0.3047]	0.3%
Sheikh et al, 2002	164	273	0.6007	[0.5400; 0.6593]	0.3%
Chow et al, 1996	30	219	0.1370	[0.0944; 0.1897]	0.3%
Colak et al, 2002	3	338	0.0089	[0.0018; 0.0257]	0.3%
Abe et al, 2004	62	341	0.1818	[0.1423; 0.2269]	0.3%
Aboulata et al, 2005	26	100	0.2600	[0.1774; 0.3573]	0.3%
Atabek et al, 2004	12	210	0.0571	[0.0299; 0.0977]	0.3%
Gandolfo et al, 2003	4	435	0.0092	[0.0025; 0.0234]	0.3%
Goto et al, 2006	9	344	0.0262	[0.0120; 0.0491]	0.3%
Lin et al, 2004	86	2588	0.0332	[0.0267; 0.0409]	0.4%
Mathur et al, 2001	545	2070	0.2633	[0.2444; 0.2828]	0.4%
Mohanavalli et al, 2002	16	185	0.0865	[0.0502; 0.1366]	0.3%
Sencan et al, 2003	34	476	0.0714	[0.0500; 0.0984]	0.3%
Sidal et al, 2001	19	909	0.0209	[0.0126; 0.0324]	0.3%
Hau et al, 1999	18	646	0.0279	[0.0166; 0.0437]	0.3%
Toole et al, 2006	132	426	0.3099	[0.2662; 0.3562]	0.3%
Fix et al, 2000	4283	10026	0.4272	[0.4175; 0.4369]	0.4%
Rey et al, 1997	95	5196	0.0183	[0.0148; 0.0223]	0.4%

Study	Events	Total	Proportion	95% CI	Weight
Munoz et al, 1999	374	3549	0.1054	[0.0955; 0.1160]	0.4%
Serkan et al, 2005	27	386	0.0699	[0.0466; 0.1001]	0.3%
Christophe et al, 2004	24	315	0.0762	[0.0494; 0.1112]	0.3%
Sonia et al, 2006	2046	2428	0.8427	[0.8276; 0.8569]	0.4%
Cevrioglu et al, 2004	31	245	0.1265	[0.0876; 0.1748]	0.3%
Aubry et al, 1997	18	129	0.1395	[0.0848; 0.2115]	0.3%
Gambel et al, 1998	14	112	0.1250	[0.0701; 0.2008]	0.3%
Meng et al, 2001	73	400	0.1825	[0.1459; 0.2239]	0.3%
Perez et al, 1996	17	399	0.0426	[0.0250; 0.0673]	0.3%
Bartoloni et al, 1999	36	490	0.0735	[0.0520; 0.1003]	0.3%
Leon et al, 1999	64	318	0.2013	[0.1586; 0.2496]	0.3%
Trinta et al,2001	3	405	0.0074	[0.0015; 0.0215]	0.3%
Lemos et al, 2000	16	1149	0.0139	[0.0080; 0.0225]	0.4%
Random effects model		**79998**	**0.0943**	**[0.0611; 0.1337]**	**26.5%**
Heterogeneity: $I^2 = 100\%$, $\tau^2 = 0.0761$, $p = 0$					
Time = 2007-2019					
Chang et al, 2009	522	2572	0.2030	[0.1876; 0.2190]	0.4%
Geng et al, 2011	538	2682	0.2006	[0.1856; 0.2163]	0.4%
Yuan et al, 2017	268	1200	0.2233	[0.2001; 0.2480]	0.4%
Maria et al, 2006	96	1280	0.0750	[0.0612; 0.0908]	0.4%
Chen et al, 2019	799	4044	0.1976	[0.1854; 0.2102]	0.4%
Hassan et al, 2013	76	530	0.1434	[0.1147; 0.1762]	0.3%
Fatemeh et al, 2014	235	510	0.4608	[0.4169; 0.5051]	0.3%
Guo et al, 2009	14610	44816	0.3260	[0.3217; 0.3304]	0.4%
Halliday et al, 2014	120	1048	0.1145	[0.0959; 0.1354]	0.3%
Azarkar et al, 2017	139	554	0.2509	[0.2153; 0.2892]	0.3%
Boutrouille et al, 2007	64	1998	0.0320	[0.0248; 0.0407]	0.4%
Cainelli et al, 2018	11	199	0.0553	[0.0279; 0.0968]	0.3%
Christensen et al,2018	293	906	0.3234	[0.2930; 0.3549]	0.3%
Baylis et al, 2012	1	165010	0.0000	[0.0000; 0.0000]	0.4%
Assarehzadegan et al, 2007	46	400	0.1150	[0.0854; 0.1504]	0.3%
Dell'Amico et al, 2011	12	123	0.0976	[0.0514; 0.1642]	0.3%
Yoon et al, 2014	144	2450	0.0588	[0.0498; 0.0688]	0.4%
Takahashi et al, 2010	1167	22027	0.0530	[0.0501; 0.0560]	0.4%
O'Riordan et al, 2016	57	1076	0.0530	[0.0404; 0.0681]	0.3%
Spada et al, 2018	869	10011	0.0868	[0.0814; 0.0925]	0.4%
Nasrallah et al, 2017	1198	5854	0.2046	[0.1944; 0.2152]	0.4%
Zhuang et al, 2014	113	486	0.2325	[0.1956; 0.2727]	0.3%
Nascimento et al, 2016	270	1656	0.1630	[0.1456; 0.1817]	0.4%
Takeda et al, 2010	431	12600	0.0342	[0.0311; 0.0375]	0.4%
Minuk et al, 2007	11	393	0.0280	[0.0141; 0.0495]	0.3%
Nouhin et al, 2016	85	301	0.2824	[0.2322; 0.3369]	0.3%
Verhoef et al, 2011	134	7072	0.0189	[0.0159; 0.0224]	0.4%
Castilho et al, 2017	49	500	0.0980	[0.0734; 0.1275]	0.3%
Mooij et al, 2018	648	2100	0.3086	[0.2889; 0.3288]	0.4%
Lafeber et al, 2017	666	2422	0.2750	[0.2573; 0.2932]	0.4%
Yun et al, 2011	46	489	0.0941	[0.0697; 0.1235]	0.3%
Nouhin et al, 2018	829	2004	0.4137	[0.3920; 0.4356]	0.4%
Slot et al, 2013	1401	5239	0.2674	[0.2555; 0.2796]	0.4%
Straková et al, 2016	13	230	0.0565	[0.0304; 0.0947]	0.3%
Meldal et al, 2013	11	239	0.0460	[0.0232; 0.0809]	0.3%
Wenzel et al, 2014	929	2184	0.4254	[0.4045; 0.4464]	0.4%
Petrovi et al, 2014	30	200	0.1500	[0.1035; 0.2072]	0.3%
Wang et al, 2017	2682	9069	0.2957	[0.2864; 0.3052]	0.4%
Tripathy et al, 2018	433	2447	0.1770	[0.1620; 0.1927]	0.4%
Taremi et al, 2007	31	399	0.0777	[0.0534; 0.1085]	0.3%
Castilho et al, 2016	30	300	0.1000	[0.0685; 0.1397]	0.3%
Vivek et al, 2010	330	2279	0.1448	[0.1306; 0.1599]	0.4%
Zhu et al, 2008	1289	4654	0.2770	[0.2641; 0.2901]	0.4%
Sakata et al, 2008	45	1389	0.0324	[0.0237; 0.0431]	0.4%
Sadik et al, 2016	459	1199	0.3828	[0.3552; 0.4110]	0.4%
Mohebbi et al, 2012	51	551	0.0926	[0.0697; 0.1199]	0.3%
Yang et al, 2014	473	2028	0.2332	[0.2150; 0.2523]	0.4%
Zhu et al, 2014	152061	400162	0.3800	[0.3785; 0.3815]	0.4%
Thom et al, 2017	104	2311	0.0450	[0.0369; 0.0543]	0.4%
Mor et al, 2015	77	729	0.1056	[0.0843; 0.1302]	0.3%
Villalba et al, 2014	47	469	0.1002	[0.0746; 0.1310]	0.3%
Toyoda et al, 2008	60	592	0.1014	[0.0782; 0.1285]	0.3%
Shrestha et al, 2016	773	1845	0.4190	[0.3963; 0.4419]	0.4%
Mohammad et al, 2017	139	450	0.3089	[0.2665; 0.3538]	0.3%
Yamada et al, 2015	160	868	0.1843	[0.1591; 0.2118]	0.3%
Vitral et al, 2014	50	388	0.1289	[0.0972; 0.1663]	0.3%
Sauleda et al, 2014	1996	9998	0.1996	[0.1918; 0.2076]	0.4%
Ren et al, 2013	2945	10741	0.2742	[0.2658; 0.2827]	0.4%

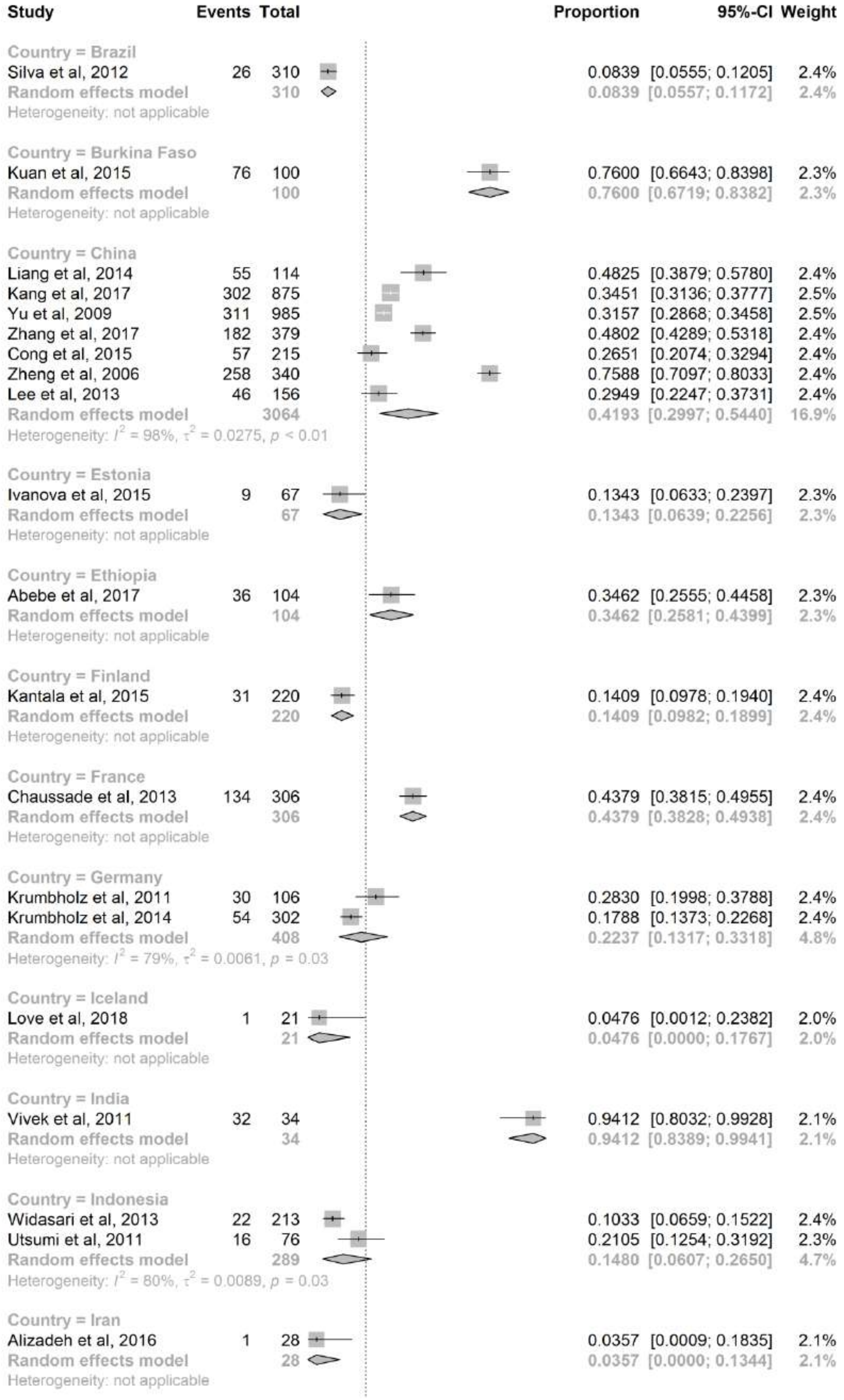
Parsa et al, 2016	50	700	0.0714 [0.0535; 0.0931]	0.3%
Pittaras et al, 2014	25	265	0.0943 [0.0620; 0.1361]	0.3%
Schreuder et al, 2016	25	600	0.0417 [0.0271; 0.0609]	0.3%
Jahromi et al, 2013	26	477	0.0545 [0.0359; 0.0788]	0.3%
Niederhauser et al, 2017	737	3609	0.2042 [0.1912; 0.2177]	0.4%
Teoharov et al, 2014	67	741	0.0904 [0.0708; 0.1134]	0.3%
Hewitt et al, 2018	98	1013	0.0967 [0.0792; 0.1166]	0.3%
Alberts et al, 2018	190	7065	0.0269 [0.0232; 0.0309]	0.4%
Grabarczyk et al, 2018	1340	3079	0.4352 [0.4176; 0.4529]	0.4%
Fukuda et al, 2007	168	3185	0.0527 [0.0452; 0.0611]	0.4%
Fogeda et al, 2012	25	2305	0.0108 [0.0070; 0.0160]	0.4%
Fischer et al, 2014	163	1203	0.1355 [0.1166; 0.1561]	0.4%
Feng et al, 2018	1273	1912	0.6658 [0.6441; 0.6869]	0.4%
Fearon et al, 2017	241	4102	0.0588 [0.0517; 0.0664]	0.4%
Harvala et al, 2018	42	480	0.0875 [0.0638; 0.1164]	0.3%
Cleland et al, 2013	73	1559	0.0468 [0.0369; 0.0585]	0.4%
Cangin et al, 2018	377	7656	0.0492 [0.0445; 0.0543]	0.4%
Ditah et al, 2014	490	8814	0.0556 [0.0509; 0.0606]	0.4%
Cai et al, 2016	1842	3337	0.5520 [0.5349; 0.5690]	0.4%
Chiu et al, 2013	129	450	0.2867 [0.2453; 0.3309]	0.3%
Dimeglio et al, 2018	23	300	0.0767 [0.0492; 0.1128]	0.3%
Chan et al, 2017	492	1539	0.3197 [0.2964; 0.3436]	0.4%
Amarapurkar et al, 2008	416	1163	0.3577 [0.3301; 0.3860]	0.4%
Anita et al, 2014	22	148	0.1486 [0.0956; 0.2164]	0.3%
Hardtke et al, 2018	91	408	0.2230 [0.1836; 0.2666]	0.3%
Ataei et al, 2007	31	816	0.0380 [0.0260; 0.0535]	0.3%
Hesamizadeh et al, 2015	45	514	0.0875 [0.0646; 0.1154]	0.3%
Hogema et al, 2016	11	45	0.2444 [0.1288; 0.3954]	0.3%
Hickey et al, 2016	16	198	0.0808 [0.0469; 0.1279]	0.3%
Houcine et al, 2012	37	687	0.0539 [0.0382; 0.0735]	0.3%
Jahromi et al, 2013	26	477	0.0545 [0.0359; 0.0788]	0.3%
Sepanlou et al, 2010	105	1423	0.0738 [0.0607; 0.0886]	0.4%
Adesina et al, 2009	25	186	0.1344 [0.0889; 0.1920]	0.3%
Ricco et al, 2016	9	199	0.0452 [0.0209; 0.0841]	0.3%
Puttini et al, 2015	12	132	0.0909 [0.0479; 0.1534]	0.3%
Zuin et al, 2016	380	3546	0.1072 [0.0972; 0.1178]	0.4%
Scotto et al, 2012	2	151	0.0132 [0.0016; 0.0470]	0.3%
Raoofi et al, 2012	31	400	0.0775 [0.0533; 0.1082]	0.3%
Rahman et al, 2014	90	300	0.3000 [0.2487; 0.3553]	0.3%
Sabato et al, 2017	4	253	0.0158 [0.0043; 0.0400]	0.3%
Chen et al, 2012	2793	14208	0.1966 [0.1901; 0.2032]	0.4%
Madden et al, 2016	324	1161	0.2791 [0.2534; 0.3058]	0.4%
Love et al, 2018	6	291	0.0206 [0.0076; 0.0443]	0.3%
Lopes et al, 2017	78	300	0.2600 [0.2113; 0.3135]	0.3%
Mansuy et al, 2016	2371	10569	0.2243 [0.2164; 0.2324]	0.4%
Lucarelli et al, 2016	153	313	0.4888 [0.4322; 0.5457]	0.3%
Lange et al, 2016	177	1263	0.1401 [0.1215; 0.1605]	0.4%
Kotwal et al, 2014	712	4175	0.1705 [0.1592; 0.1823]	0.4%
Liang et al, 2014	129	307	0.4202 [0.3644; 0.4776]	0.3%
Marcantonio et al, 2018	10	198	0.0505 [0.0245; 0.0909]	0.3%
Lanini et al, 2015	60	1116	0.0538 [0.0413; 0.0687]	0.4%
Johargy et al, 2013	168	900	0.1867 [0.1617; 0.2137]	0.3%
Jia et al, 2014	3721	15862	0.2346 [0.2280; 0.2413]	0.4%
Ma et al, 2010	407	2090	0.1947 [0.1780; 0.2124]	0.4%
Kaufmann et al, 2011	27	550	0.0491 [0.0326; 0.0706]	0.3%
Mansuy et al, 2015	1310	3353	0.3907 [0.3741; 0.4074]	0.4%
Izopet et al, 2015	1083	2538	0.4267 [0.4074; 0.4462]	0.4%
Li et al, 2011	69	173	0.3988 [0.3253; 0.4759]	0.3%
Li et al, 2014	197	1638	0.1203 [0.1049; 0.1370]	0.4%
Juhl et al, 2017	70	449	0.1559 [0.1236; 0.1928]	0.3%
Katiyar et al, 2018	383	633	0.6051 [0.5658; 0.6434]	0.3%
Intharasongkroh et al, 2019	0	1019	0.0000 [0.0000; 0.0036]	0.3%
Juhl et al, 2014	69	1019	0.0677 [0.0531; 0.0849]	0.3%
Nagler et al, 2014	143	997	0.1434 [0.1222; 0.1667]	0.3%
Liu et al, 2019	3419	10256	0.3334 [0.3242; 0.3426]	0.4%
Mahrt et al, 2018	679	3000	0.2263 [0.2115; 0.2417]	0.4%
Kuniholm et al, 2009	3916	18695	0.2095 [0.2037; 0.2154]	0.4%
Krumbholz et al, 2011	18	116	0.1552 [0.0946; 0.2341]	0.3%
Khounvisith et al, 2018	38	210	0.1810 [0.1313; 0.2398]	0.3%

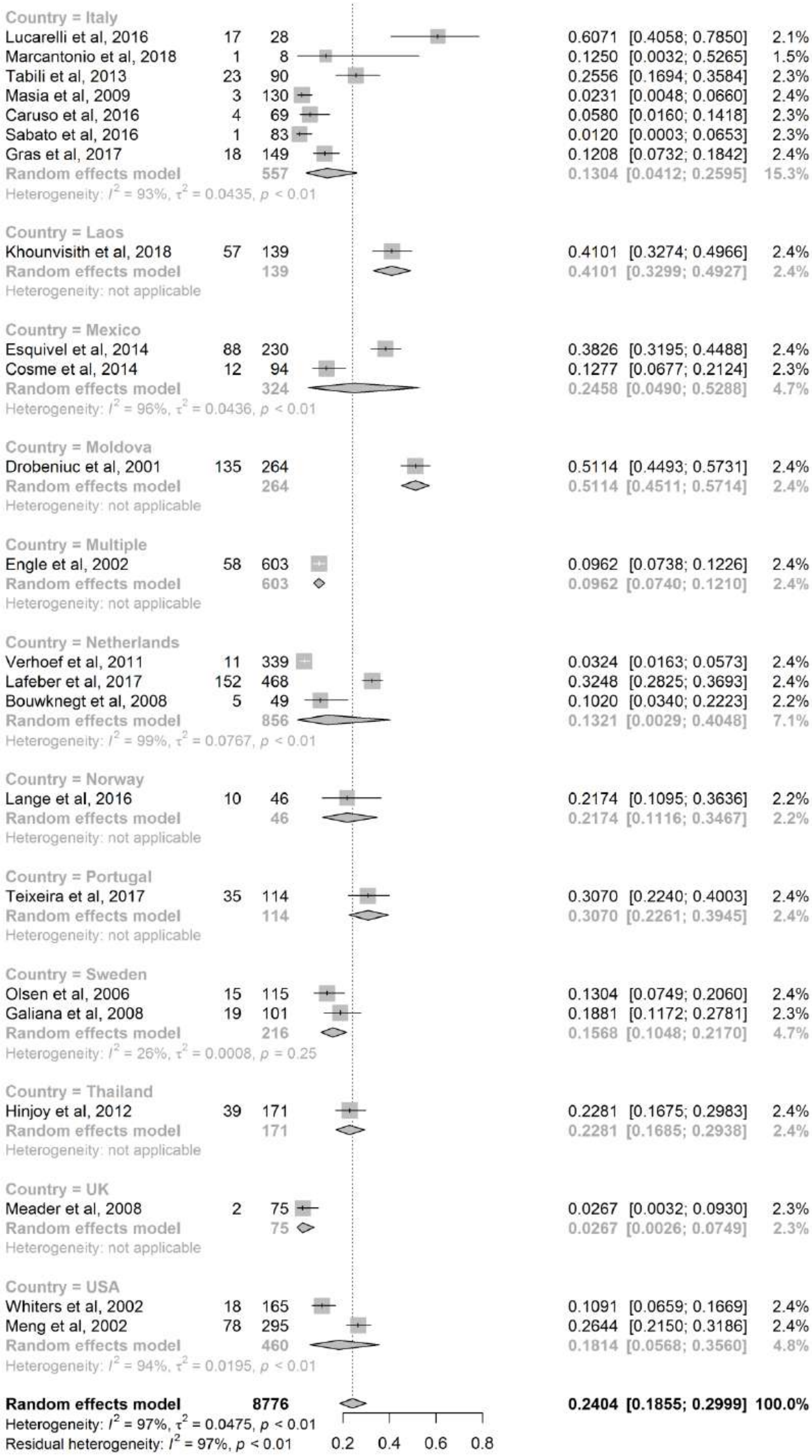


Krumbholz et al, 2014 65 537 0.1210 [0.0947; 0.1517] 0.3%
Jeggli et al, 2015 25 752 0.0332 [0.0216; 0.0487] 0.3%
Kantala et al, 2015 37 385 0.0961 [0.0686; 0.1300] 0.3%
Kang et al, 2017 121 600 0.2017 [0.1703; 0.2360] 0.3%
Korzeniewski et al, 2018 13 253 0.0514 [0.0276; 0.0863] 0.3%
Labrique et al, 2009 255 1134 0.2249 [0.2009; 0.2503] 0.4%
Jablonka et al, 2017 122 604 0.2020 [0.1707; 0.2363] 0.3%
Matins et al, 2014 24 431 0.0557 [0.0360; 0.0817] 0.3%
Jahanbakhsh et al, 2017 136 562 0.2420 [0.2071; 0.2796] 0.3%
Kaba et al, 2010 57 490 0.1163 [0.0893; 0.1481] 0.3%
Azman et al, 2017 154 206 0.7476 [0.6825; 0.8054] 0.3%
Lachish et al, 2013 19 4970 0.0038 [0.0023; 0.0060] 0.4%
Esquivel et al, 2014 100 273 0.3663 [0.3090; 0.4265] 0.3%
Cui et al, 2016 228 1028 0.2218 [0.1967; 0.2485] 0.3%
Schielke et al, 2015 26 126 0.2063 [0.1394; 0.2875] 0.3%
Todys et al, 2015 206 1027 0.2006 [0.1765; 0.2264] 0.3%
Meader et al, 2008 10 413 0.0242 [0.0117; 0.0441] 0.3%
Tabili et al, 2013 23 103 0.2233 [0.1471; 0.3160] 0.3%
Pilakasiri et al, 2009 44 381 0.1155 [0.0852; 0.1519] 0.3%
Ghorbani et al, 2007 9 800 0.0112 [0.0052; 0.0212] 0.3%
Bura et al, 2018 2 138 0.0145 [0.0018; 0.0514] 0.3%
Dremsek et al, 2012 132 853 0.1547 [0.1311; 0.1808] 0.3%
Eick et al, 2010 16 1500 0.0107 [0.0061; 0.0173] 0.4%
Chaussade et al, 2013 83 322 0.2578 [0.2109; 0.3092] 0.3%
Zeng et al, 2014 26 513 0.0507 [0.0334; 0.0734] 0.3%
Yu et al, 2009 841 3994 0.2106 [0.1980; 0.2235] 0.4%
Teixeira et al, 2017 106 804 0.1318 [0.1092; 0.1572] 0.3%
Widasari et al, 2013 16 277 0.0578 [0.0334; 0.0921] 0.3%
Zhang et al, 2017 236 600 0.3933 [0.3540; 0.4337] 0.3%
Bouwknegt et al, 2008 12 644 0.0186 [0.0097; 0.0323] 0.3%
Galiana et al, 2008 4 97 0.0412 [0.0113; 0.1022] 0.3%
Dalton et al, 2017 11 464 0.0237 [0.0119; 0.0420] 0.3%
Cheng et al, 2007 109 754 0.1446 [0.1202; 0.1717] 0.3%
Pathak et al, 2018 341 1369 0.2491 [0.2264; 0.2729] 0.4%
Cong et al, 2014 208 890 0.2337 [0.2063; 0.2629] 0.3%
Terzic et al, 2009 24 400 0.0600 [0.0388; 0.0880] 0.3%
Bayhan et al, 2016 17 408 0.0417 [0.0245; 0.0659] 0.3%
Achwan et al, 2007 34 581 0.0585 [0.0409; 0.0808] 0.3%
Buti et al, 2008 57 1249 0.0456 [0.0347; 0.0587] 0.4%
Cevahir et al, 2013 23 185 0.1243 [0.0805; 0.1807] 0.3%
Davaalkham et al, 2009 3 520 0.0058 [0.0012; 0.0168] 0.3%
Ekanem et al, 2015 31 402 0.0771 [0.0530; 0.1077] 0.3%
Hasan et al, 2016 33 123 0.2683 [0.1924; 0.3557] 0.3%
Kaya et al, 2007 2 589 0.0034 [0.0004; 0.0122] 0.3%
Krumbholz et al, 2014 16 1646 0.0097 [0.0056; 0.0157] 0.4%
Meng et al, 2015 174 1500 0.1160 [0.1002; 0.1333] 0.4%
Oliveira et al, 2017 4 352 0.0114 [0.0031; 0.0288] 0.3%
Shamsizadeh et al, 2009 48 566 0.0848 [0.0632; 0.1109] 0.3%
Bira et al, 2007 5 717 0.0070 [0.0023; 0.0162] 0.3%
Saffar et al, 2009 25 1080 0.0231 [0.0150; 0.0340] 0.3%
Bawazir et al, 2010 38 356 0.1067 [0.0767; 0.1436] 0.3%
Dong et al, 2007 2073 12052 0.1720 [0.1653; 0.1789] 0.4%
Lu et al, 2009 1547 8762 0.1766 [0.1686; 0.1847] 0.4%
Ijaz et al, 2009 362 2731 0.1326 [0.1201; 0.1458] 0.4%
Héctor et al, 2017 1 127 0.0079 [0.0002; 0.0431] 0.3%
Li et al, 2019 139 946 0.1469 [0.1250; 0.1711] 0.3%
Lee et al, 2013 2 100 0.0200 [0.0024; 0.0704] 0.3%
Dorcas et al, 2018 48 393 0.1221 [0.0914; 0.1587] 0.3%
Rui et al, 2018 49 225 0.2178 [0.1657; 0.2775] 0.3%
Maria et al, 2010 38 1040 0.0365 [0.0260; 0.0498] 0.3%
Zakieh et al, 2013 5 136 0.0368 [0.0120; 0.0837] 0.3%
Niguse et al, 2018 359 846 0.4243 [0.3908; 0.4585] 0.3%
Caron et al, 2008 119 840 0.1417 [0.1188; 0.1671] 0.3%
Caron et al, 2012 16 243 0.0658 [0.0381; 0.1047] 0.3%
Cosme et al, 2014 25 439 0.0569 [0.0372; 0.0829] 0.3%
Farshadpour et al, 2018 83 1331 0.0624 [0.0500; 0.0767] 0.4%
Gad et al, 2011 68 116 0.5862 [0.4910; 0.6769] 0.3%
Adjei et al, 2009 16 157 0.1019 [0.0594; 0.1602] 0.3%
Huang et al, 2013 30 293 0.1024 [0.0702; 0.1429] 0.3%
Paschale et al, 2016 62 278 0.2230 [0.1755; 0.2766] 0.3%
Alizadeh et al, 2016 10 321 0.0312 [0.0150; 0.0565] 0.3%
Abebe et al, 2017 122 386 0.3161 [0.2700; 0.3650] 0.3%
Traore et al, 2012 56 178 0.3146 [0.2472; 0.3883] 0.3%
Zhang et al, 2015 1352 6262 0.2159 [0.2058; 0.2263] 0.4%
Kyvernitakis et al, 2015 12 115 0.1043 [0.0551; 0.1752] 0.3%
Tashale et al, 2015 1081 13851 0.0780 [0.0736; 0.0826] 0.4%
Xu et al,2013 364 1939 0.1877 [0.1706; 0.2058] 0.4%
Stramer et al, 2015 27 200 0.1350 [0.0909; 0.1903] 0.3%
Esquivel et al, 2015 10 150 0.0667 [0.0324; 0.1192] 0.3%
Esquivel et al, 2015 25 439 0.0569 [0.0372; 0.0829] 0.3%
Wassaf et al,2014 19 433 0.0439 [0.0266; 0.0677] 0.3%
Munne et al, 2014 31 202 0.1535 [0.1067; 0.2107] 0.3%
Katrina et al, 2018 104 1714 0.0607 [0.0498; 0.0730] 0.4%
Taha et al, 2015 80 397 0.2015 [0.1631; 0.2444] 0.3%
Random effects model 1019719 0.1365 [0.1115; 0.1635] 73.5%
Heterogeneity: I² = 100%, τ² = 0.0785, p = 0
Random effects model 1099717 0.1247 [0.1042; 0.1467] 100.0%
Heterogeneity: I² = 100%, τ² = 0.0769, p = 0
Residual heterogeneity: I² = 100%, p = 0
0 0.2 0.4 0.6 0.8

Figure S13. Forest plot of estimated pooled anti-HEV IgG seroprevalence among swine-related occupational population based on different countries.

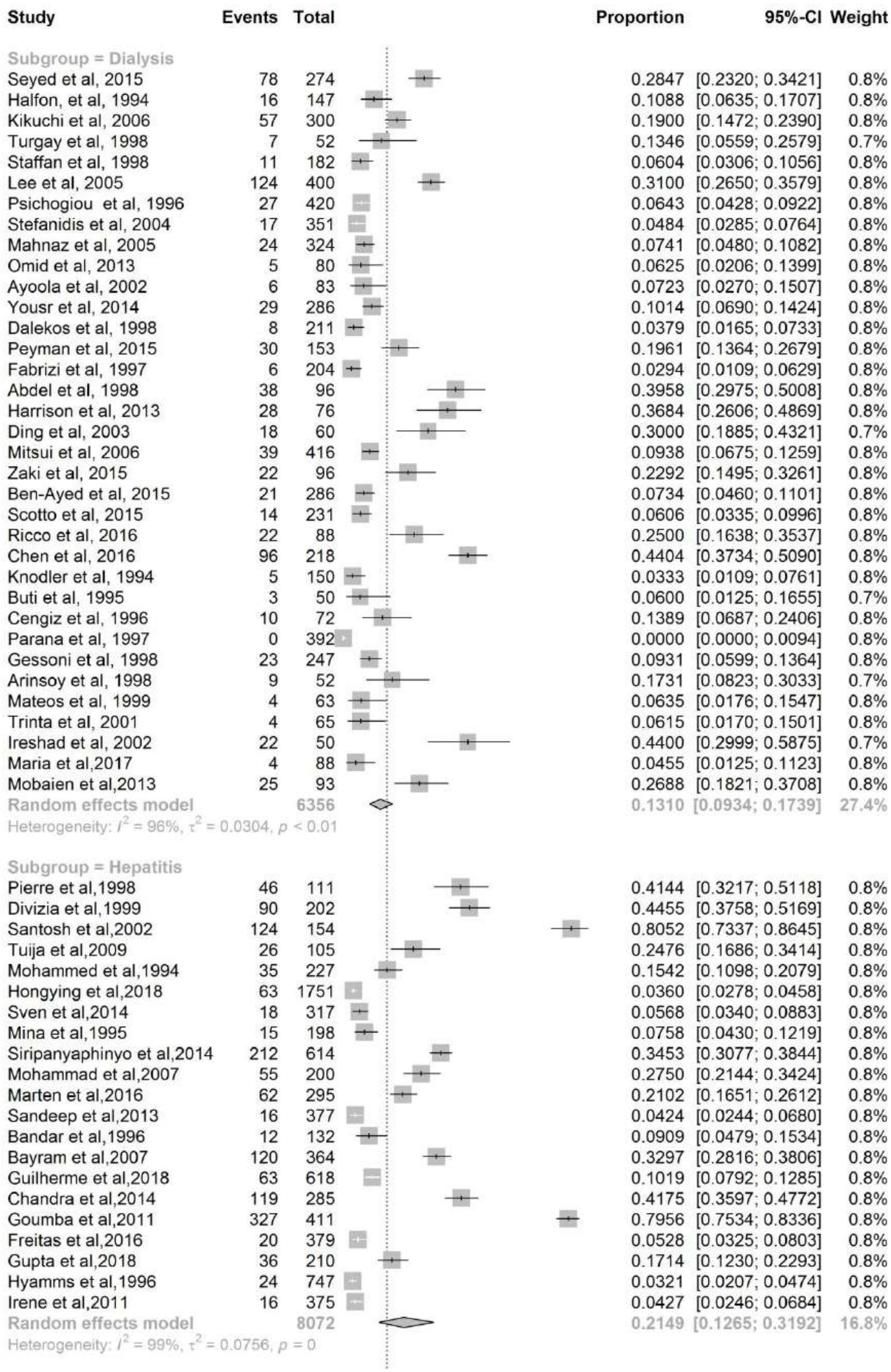
Note: country named multiple means people in the study are from more than one country.





Country = Italy
Lucarelli et al, 2016 17 28 0.6071 [0.4058; 0.7850] 2.1%
Marcantonio et al, 2018 1 8 0.1250 [0.0032; 0.5265] 1.5%
Tabili et al, 2013 23 90 0.2556 [0.1694; 0.3584] 2.3%
Masia et al, 2009 3 130 0.0231 [0.0048; 0.0660] 2.4%
Caruso et al, 2016 4 69 0.0580 [0.0160; 0.1418] 2.3%
Sabato et al, 2016 1 83 0.0120 [0.0003; 0.0653] 2.3%
Gras et al, 2017 18 149 0.1208 [0.0732; 0.1842] 2.4%
Random effects model 557 0.1304 [0.0412; 0.2595] 15.3%
Heterogeneity: I^2 = 93%, τ^2 = 0.0435, p < 0.01
Country = Laos
Khounvisith et al, 2018 57 139 0.4101 [0.3274; 0.4966] 2.4%
Random effects model 139 0.4101 [0.3299; 0.4927] 2.4%
Heterogeneity: not applicable
Country = Mexico
Esquivel et al, 2014 88 230 0.3826 [0.3195; 0.4488] 2.4%
Cosme et al, 2014 12 94 0.1277 [0.0677; 0.2124] 2.3%
Random effects model 324 0.2458 [0.0490; 0.5288] 4.7%
Heterogeneity: I^2 = 96%, τ^2 = 0.0436, p < 0.01
Country = Moldova
Drobeniuc et al, 2001 135 264 0.5114 [0.4493; 0.5731] 2.4%
Random effects model 264 0.5114 [0.4511; 0.5714] 2.4%
Heterogeneity: not applicable
Country = Multiple
Engle et al, 2002 58 603 0.0962 [0.0738; 0.1226] 2.4%
Random effects model 603 0.0962 [0.0740; 0.1210] 2.4%
Heterogeneity: not applicable
Country = Netherlands
Verhoef et al, 2011 11 339 0.0324 [0.0163; 0.0573] 2.4%
Lafeber et al, 2017 152 468 0.3248 [0.2825; 0.3693] 2.4%
Bouwknegt et al, 2008 5 49 0.1020 [0.0340; 0.2223] 2.2%
Random effects model 856 0.1321 [0.0029; 0.4048] 7.1%
Heterogeneity: I^2 = 99%, τ^2 = 0.0767, p < 0.01
Country = Norway
Lange et al, 2016 10 46 0.2174 [0.1095; 0.3636] 2.2%
Random effects model 46 0.2174 [0.1116; 0.3467] 2.2%
Heterogeneity: not applicable
Country = Portugal
Teixeira et al, 2017 35 114 0.3070 [0.2240; 0.4003] 2.4%
Random effects model 114 0.3070 [0.2261; 0.3945] 2.4%
Heterogeneity: not applicable
Country = Sweden
Olsen et al, 2006 15 115 0.1304 [0.0749; 0.2060] 2.4%
Galiana et al, 2008 19 101 0.1881 [0.1172; 0.2781] 2.3%
Random effects model 216 0.1568 [0.1048; 0.2170] 4.7%
Heterogeneity: I^2 = 26%, τ^2 = 0.0008, p = 0.25
Country = Thailand
Hinjoy et al, 2012 39 171 0.2281 [0.1675; 0.2983] 2.4%
Random effects model 171 0.2281 [0.1685; 0.2938] 2.4%
Heterogeneity: not applicable
Country = UK
Meader et al, 2008 2 75 0.0267 [0.0032; 0.0930] 2.3%
Random effects model 75 0.0267 [0.0026; 0.0749] 2.3%
Heterogeneity: not applicable
Country = USA
Whiters et al, 2002 18 165 0.1091 [0.0659; 0.1669] 2.4%
Meng et al, 2002 78 295 0.2644 [0.2150; 0.3186] 2.4%
Random effects model 460 0.1814 [0.0568; 0.3560] 4.8%
Heterogeneity: I^2 = 94%, τ^2 = 0.0195, p < 0.01
Random effects model 8776 0.2404 [0.1855; 0.2999] 100.0%
Heterogeneity: I^2 = 97%, τ^2 = 0.0475, p < 0.01
Residual heterogeneity: I^2 = 97%, p < 0.01
0.2 0.4 0.6 0.8

Figure S14. Forest plot of estimated pooled anti-HEV IgG seroprevalence among special population.



Study	Events	Total	Proportion	95% CI	Weight
Subgroup = HIV					
Maciej et al,2017	124	244	0.5082	[0.4437; 0.5725]	0.8%
Lene et al,2018	16	200	0.0800	[0.0464; 0.1267]	0.8%
Michelle et al,2014	12	191	0.0628	[0.0329; 0.1072]	0.8%
Sarah et al,2012	4	261	0.0153	[0.0042; 0.0388]	0.8%
Huang et al,2017	252	639	0.3944	[0.3563; 0.4335]	0.8%
Ananta et al,2017	181	459	0.3943	[0.3493; 0.4407]	0.8%
Mamadou et al,2011	8	184	0.0435	[0.0190; 0.0839]	0.8%
Antonio et al,2014	88	894	0.0984	[0.0797; 0.1199]	0.8%
Gaetano et al,2015	34	509	0.0668	[0.0467; 0.0921]	0.8%
Hassan et al,2015	26	158	0.1646	[0.1104; 0.2317]	0.8%
Marianna et al,2015	18	243	0.0741	[0.0445; 0.1145]	0.8%
Juan et al,2014	161	613	0.2626	[0.2282; 0.2994]	0.8%
Alain et al,2011	19	735	0.0259	[0.0156; 0.0401]	0.8%
Kenneth et al,2014	32	166	0.1928	[0.1357; 0.2611]	0.8%
Sonia et al,2019	42	234	0.1795	[0.1325; 0.2348]	0.8%
Jardi et al,2012	22	238	0.0924	[0.0588; 0.1366]	0.8%
Kenta et al,2016	99	208	0.4760	[0.4065; 0.5462]	0.8%
Shiyi et al,2018	342	770	0.4442	[0.4087; 0.4801]	0.8%
Keane et al,2011	13	138	0.0942	[0.0511; 0.1557]	0.8%
Rivero-Juarez et al,2016	189	894	0.2114	[0.1851; 0.2397]	0.8%
Ng et al,2000	15	145	0.1034	[0.0591; 0.1649]	0.8%
Amitis et al,2013	10	100	0.1000	[0.0490; 0.1762]	0.8%
Pischke et al,2015	64	246	0.2602	[0.2065; 0.3197]	0.8%
Balayan et al,1997	13	117	0.1111	[0.0605; 0.1825]	0.8%
Denali et al,2018	229	494	0.4636	[0.4189; 0.5087]	0.8%
Torsten et al,2013	182	402	0.4527	[0.4033; 0.5028]	0.8%
Torsten et al,2013	41	289	0.1419	[0.1038; 0.1875]	0.8%
Ferreira et al,2017	38	354	0.1073	[0.0771; 0.1444]	0.8%
Florence et al,2016	116	300	0.3867	[0.3313; 0.4443]	0.8%
Rode et al,2014	51	504	0.1012	[0.0763; 0.1309]	0.8%
Luan et al,2018	15	366	0.0410	[0.0231; 0.0667]	0.8%
Christophe et al, 2010	22	245	0.0898	[0.0571; 0.1328]	0.8%
Lindemann et al, 2013	45	448	0.1004	[0.0742; 0.1321]	0.8%
Caron et al, 2012	13	183	0.0710	[0.0384; 0.1184]	0.8%
Barciela et al, 2014	22	238	0.0924	[0.0588; 0.1366]	0.8%
Sellier et al, 2011	4	108	0.0370	[0.0102; 0.0921]	0.8%
Hassing et al, 2014	30	256	0.1172	[0.0805; 0.1631]	0.8%
Nouhin et al, 2015	247	825	0.2994	[0.2683; 0.3319]	0.8%
Cianflone et al, 2012	7	194	0.0361	[0.0146; 0.0729]	0.8%
Fainboim et al, 2002	32	484	0.0661	[0.0457; 0.0921]	0.8%
Taha et al, 2015	52	403	0.1290	[0.0979; 0.1657]	0.8%
Alberts et al, 2018	20	98	0.2041	[0.1293; 0.2974]	0.8%
Sibiro et al, 2018	136	200	0.6800	[0.6105; 0.7440]	0.8%
Shadmand et al, 2018	26	73	0.3562	[0.2475; 0.4769]	0.8%
Random effects model		15050	0.1691	[0.1264; 0.2167]	35.2%
Heterogeneity: I^2 = 98%, τ^2 = 0.0407, p = 0					
Subgroup = Transplant					
Gaetano et al, 2015	4	120	0.0333	[0.0092; 0.0831]	0.8%
Maria et al, 2017	7	120	0.0583	[0.0238; 0.1165]	0.8%
Koji et al, 2018	8	184	0.0435	[0.0190; 0.0839]	0.8%
Alberto et al, 2016	32	333	0.0961	[0.0667; 0.1329]	0.8%
Naik et al, 2012	52	205	0.2537	[0.1956; 0.3190]	0.8%
Florence et al, 2011	89	700	0.1271	[0.1034; 0.1541]	0.8%
Valérie et al, 2013	13	160	0.0812	[0.0440; 0.1349]	0.8%
Ludi et al, 2015	61	145	0.4207	[0.3393; 0.5054]	0.8%
Yuki et al, 2015	54	1893	0.0285	[0.0215; 0.0371]	0.8%
Jerusa et al, 2018	8	316	0.0253	[0.0110; 0.0493]	0.8%
Vincent et al, 2018	68	263	0.2586	[0.2067; 0.3159]	0.8%
Florence et al, 2013	101	263	0.3840	[0.3250; 0.4458]	0.8%
Buffaz et al, 2014	60	206	0.2913	[0.2302; 0.3584]	0.8%
Elizabeth et al, 2009	9	285	0.0316	[0.0145; 0.0591]	0.8%
Hoerning et al, 2012	4	124	0.0323	[0.0089; 0.0805]	0.8%
Mar et al, 2014	43	634	0.0678	[0.0495; 0.0903]	0.8%
Pischke et al, 2009	10	226	0.0442	[0.0214; 0.0799]	0.8%
Pischke et al, 2012	31	274	0.1131	[0.0782; 0.1567]	0.8%
Halac et al, 2011	22	80	0.2750	[0.1810; 0.3862]	0.8%
Khameneh et al, 2011	28	91	0.3077	[0.2151; 0.4132]	0.8%
Harrison et al, 2013	16	88	0.1818	[0.1076; 0.2784]	0.8%
Lim et al, 2017	44	244	0.1803	[0.1342; 0.2344]	0.8%
Buti et al, 2009	3	120	0.0250	[0.0052; 0.0713]	0.8%
Laverdure et al, 2015	8	96	0.0833	[0.0367; 0.1576]	0.8%
Magnusson et al, 2015	8	62	0.1290	[0.0574; 0.2385]	0.8%
Sue et al, 2016	6	311	0.0193	[0.0071; 0.0415]	0.8%
Random effects model		7543	0.1168	[0.0791; 0.1606]	20.6%
Heterogeneity: I^2 = 97%, τ^2 = 0.0259, p < 0.01					
Random effects model		**37021**	**0.1543**	**[0.1282; 0.1824]**	**100.0%**
Heterogeneity: I^2 = 98%, τ^2 = 0.0448, p = 0					
Residual heterogeneity: I^2 = 98%, p = 0					

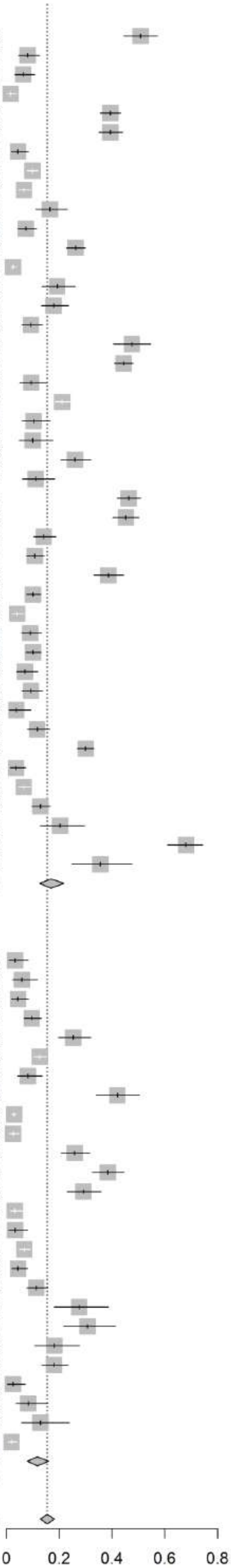


Figure S15. Forest plot of estimated pooled anti-HEV IgM seroprevalence among special population.

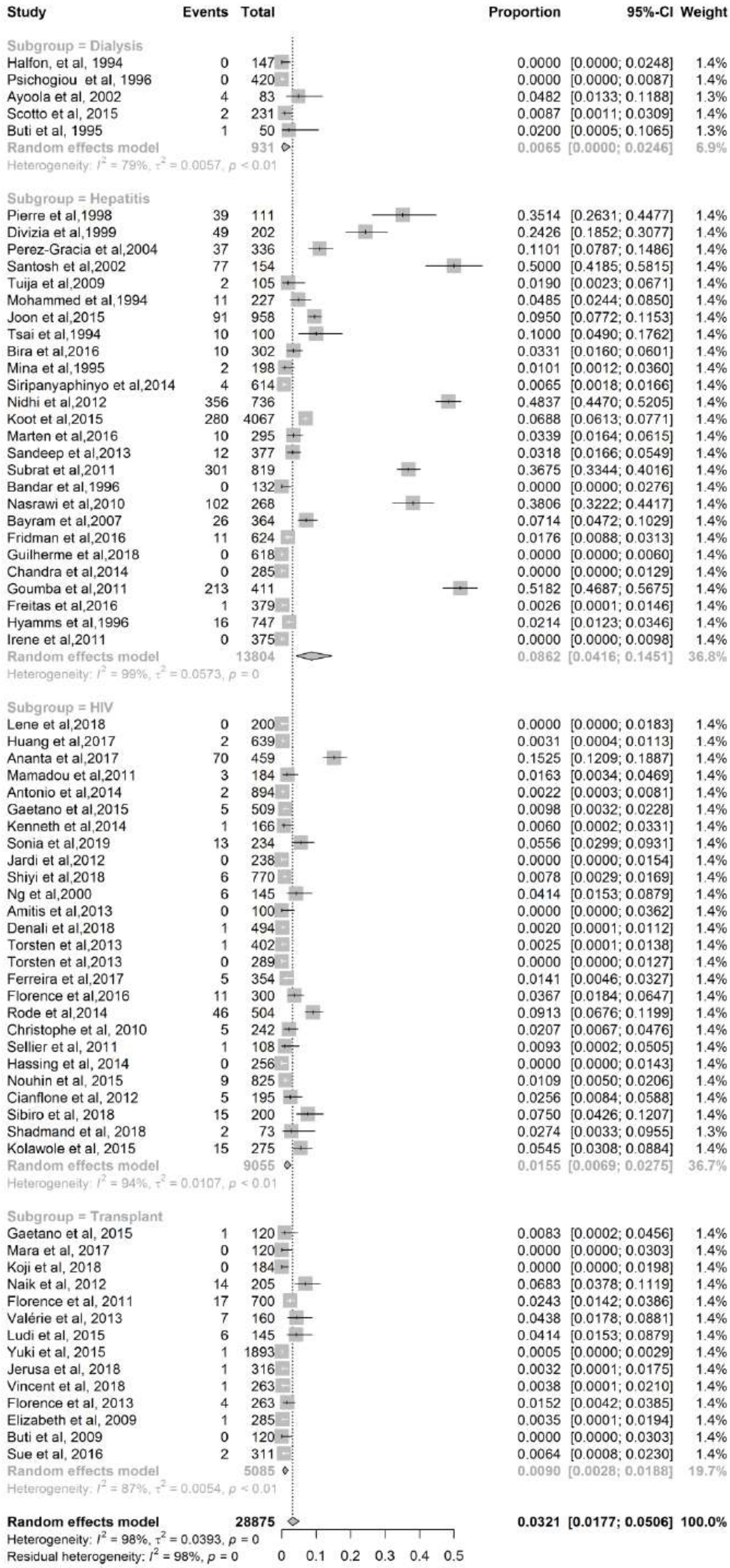


Figure S16. Forest plot of estimated pooled HEV RNA positive rate among special population.

Study	Events	Total	Proportion	95%-CI	Weight
Subgroup = Dialysis					
Harrison et al, 2013	0	88	0.0000	[0.0000; 0.0411]	1.3%
Random effects model		88	0.0000	[0.0000; 0.0109]	1.3%
Heterogeneity: not applicable					
Subgroup = Hepatitis					
Divizia et al,1999	4	202	0.0198	[0.0054; 0.0499]	1.5%
Perez-Gracia et al,2004	1	336	0.0030	[0.0001; 0.0165]	1.5%
Santosh et al,2002	48	154	0.3117	[0.2396; 0.3912]	1.4%
Tuija et al,2009	8	105	0.0762	[0.0335; 0.1446]	1.4%
Bira et al,2016	12	302	0.0397	[0.0207; 0.0684]	1.5%
Sven et al,2014	1	317	0.0032	[0.0001; 0.0174]	1.5%
Mina et al,1995	1	198	0.0051	[0.0001; 0.0278]	1.5%
Siripanyaphinyo et al,2014	15	614	0.0244	[0.0137; 0.0400]	1.5%
Nidhi et al,2012	223	736	0.3030	[0.2700; 0.3376]	1.5%
Koot et al,2015	144	4067	0.0354	[0.0299; 0.0416]	1.6%
Sandeep et al,2013	10	377	0.0265	[0.0128; 0.0482]	1.5%
Subrat et al,2011	35	819	0.0427	[0.0299; 0.0589]	1.5%
Bayram et al,2007	123	364	0.3379	[0.2894; 0.3890]	1.5%
Chandra et al,2014	0	285	0.0000	[0.0000; 0.0129]	1.5%
Adilya et al,2007	25	179	0.1397	[0.0925; 0.1992]	1.4%
Goumba et al,2011	127	411	0.3090	[0.2646; 0.3562]	1.5%
Freitas et al,2016	0	379	0.0000	[0.0000; 0.0097]	1.5%
Gupta et al,2018	12	210	0.0571	[0.0299; 0.0977]	1.5%
Irene et al,2011	0	375	0.0000	[0.0000; 0.0098]	1.5%
Random effects model		10430	0.0557	[0.0226; 0.1021]	28.2%
Heterogeneity: $I^2 = 99\%$, $\tau^2 = 0.0367$, $p < 0.01$					
Subgroup = HIV					
Lene et al,2018	0	200	0.0000	[0.0000; 0.0183]	1.5%
Mamadou et al,2011	0	184	0.0000	[0.0000; 0.0198]	1.4%
Antonio et al,2014	5	894	0.0056	[0.0018; 0.0130]	1.5%
Gaetano et al,2015	5	509	0.0098	[0.0032; 0.0228]	1.5%
Juan et al,2014	1	613	0.0016	[0.0000; 0.0091]	1.5%
Alain et al,2011	1	735	0.0014	[0.0000; 0.0076]	1.5%
Kenneth et al,2014	0	166	0.0000	[0.0000; 0.0220]	1.4%
Sonia et al,2019	0	234	0.0000	[0.0000; 0.0156]	1.5%
Jardi et al,2012	3	238	0.0126	[0.0026; 0.0364]	1.5%
Kenta et al,2016	0	208	0.0000	[0.0000; 0.0176]	1.5%
Shiyi et al,2018	0	770	0.0000	[0.0000; 0.0048]	1.5%
Keane et al,2011	0	138	0.0000	[0.0000; 0.0264]	1.4%
Rivero-Juarez et al,2016	5	894	0.0056	[0.0018; 0.0130]	1.5%
Amitis et al,2013	0	100	0.0000	[0.0000; 0.0362]	1.4%
Salvio et al,2018	10	280	0.0357	[0.0173; 0.0647]	1.5%
Florence et al,2016	1	300	0.0033	[0.0001; 0.0184]	1.5%
Rode et al,2014	5	504	0.0099	[0.0032; 0.0230]	1.5%
Luan et al,2018	0	366	0.0000	[0.0000; 0.0100]	1.5%
Christophe et al, 2010	2	242	0.0083	[0.0010; 0.0295]	1.5%
Lindemann et al, 2013	1	448	0.0022	[0.0001; 0.0124]	1.5%
Medejon et al, 2009	0	93	0.0000	[0.0000; 0.0389]	1.3%
Mark et al, 2015	3	2919	0.0010	[0.0002; 0.0030]	1.6%
Random effects model		11035	0.0023	[0.0008; 0.0044]	32.6%
Heterogeneity: $I^2 = 70\%$, $\tau^2 = 0.0013$, $p < 0.01$					
Subgroup = Transplant					
Gaetano et al, 2015	2	120	0.0167	[0.0020; 0.0589]	1.4%
Mar??a et al, 2017	0	120	0.0000	[0.0000; 0.0303]	1.4%
Koji et al, 2018	0	184	0.0000	[0.0000; 0.0198]	1.4%
Alberto et al, 2016	0	333	0.0000	[0.0000; 0.0110]	1.5%
Naik et al, 2012	0	205	0.0000	[0.0000; 0.0178]	1.5%
Florence et al, 2011	0	700	0.0000	[0.0000; 0.0053]	1.5%
Ludi et al, 2015	0	145	0.0000	[0.0000; 0.0251]	1.4%
Yuki et al, 2015	2	1893	0.0011	[0.0001; 0.0038]	1.5%
Jerusa et al, 2018	0	316	0.0000	[0.0000; 0.0116]	1.5%
Suzan et al, 2012	12	1200	0.0100	[0.0052; 0.0174]	1.5%
Vincent et al, 2018	2	263	0.0076	[0.0009; 0.0272]	1.5%
Florence et al, 2013	0	263	0.0000	[0.0000; 0.0139]	1.5%
Buffaz et al, 2014	3	206	0.0146	[0.0030; 0.0420]	1.5%
Elizabeth et al, 2009	1	285	0.0035	[0.0001; 0.0194]	1.5%
Hoerning et al, 2012	1	124	0.0081	[0.0002; 0.0441]	1.4%
Michael et al, 2017	19	2822	0.0067	[0.0041; 0.0105]	1.6%
Pischke et al, 2009	3	226	0.0133	[0.0027; 0.0383]	1.5%
Pischke et al, 2012	4	274	0.0146	[0.0040; 0.0370]	1.5%
Halac et al, 2011	1	66	0.0152	[0.0004; 0.0816]	1.3%
Brilman et al, 2013	10	468	0.0214	[0.0103; 0.0389]	1.5%
Passos et al, 2013	3	96	0.0312	[0.0065; 0.0886]	1.4%
Moal et al,2012	17	1350	0.0126	[0.0074; 0.0201]	1.5%
Lim et al, 2017	0	244	0.0000	[0.0000; 0.0150]	1.5%
Buti et al, 2009	0	120	0.0000	[0.0000; 0.0303]	1.4%
Magnusson et al, 2015	0	62	0.0000	[0.0000; 0.0578]	1.3%
Sue et al, 2016	4	311	0.0129	[0.0035; 0.0326]	1.5%
Random effects model		12396	0.0039	[0.0017; 0.0069]	37.8%
Heterogeneity: $I^2 = 77\%$, $\tau^2 = 0.0018$, $p < 0.01$					
Random effects model		**33949**	**0.0110**	**[0.0053; 0.0187]**	**100.0%**
Heterogeneity: $I^2 = 97\%$, $\tau^2 = 0.0171$, $p = 0$					
Residual heterogeneity: $I^2 = 96\%$, $p < 0.01$					

Figure S17. Forest plot of estimated pooled seroprevalence of anti-HEV IgG among hepatitis population.

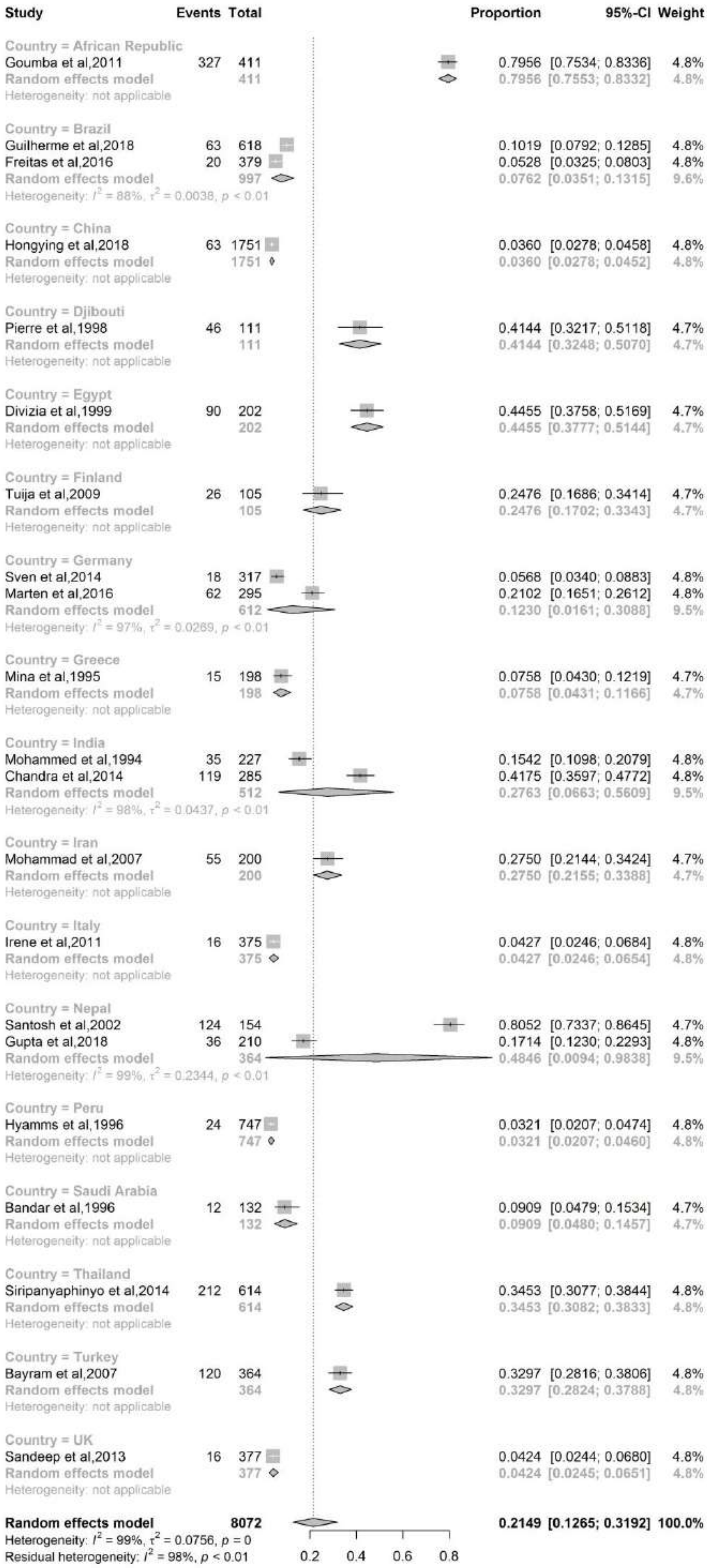


Figure S18. Forest plot of estimated pooled seroprevalence of anti-HEV IgM among hepatitis population.

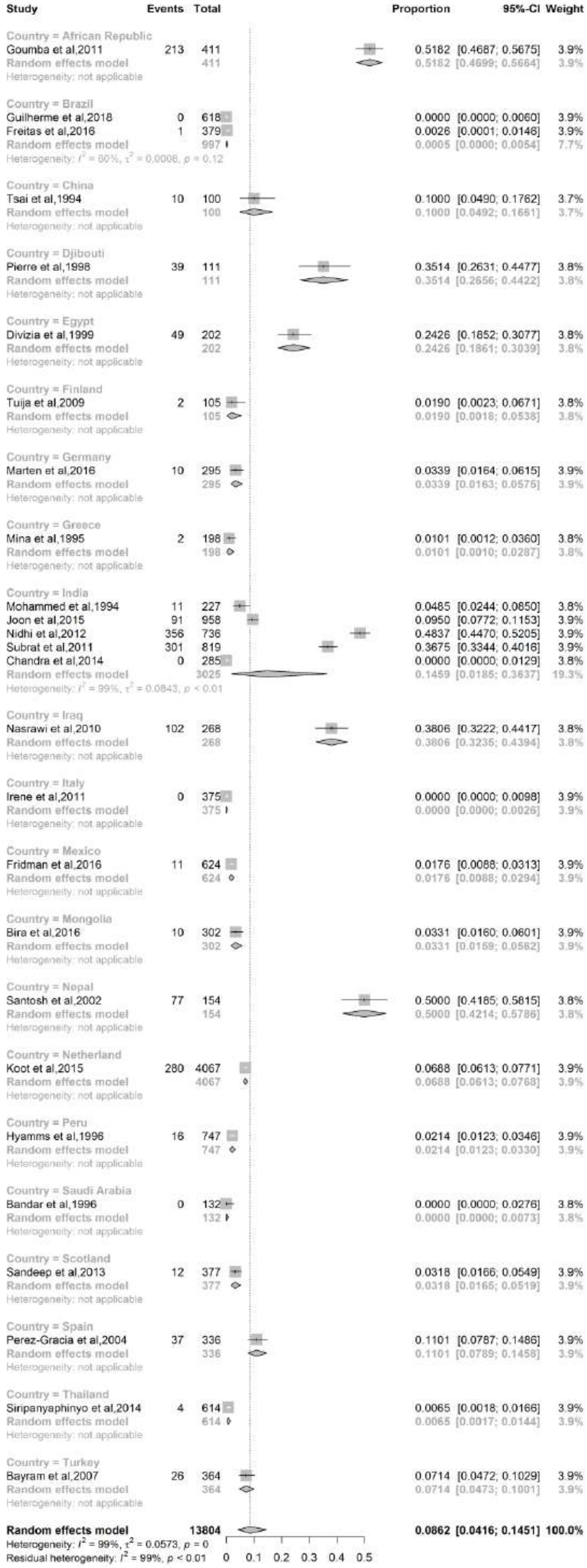


Figure S19. Forest plot of estimated pooled HEV RNA positive rate among hepatitis population.

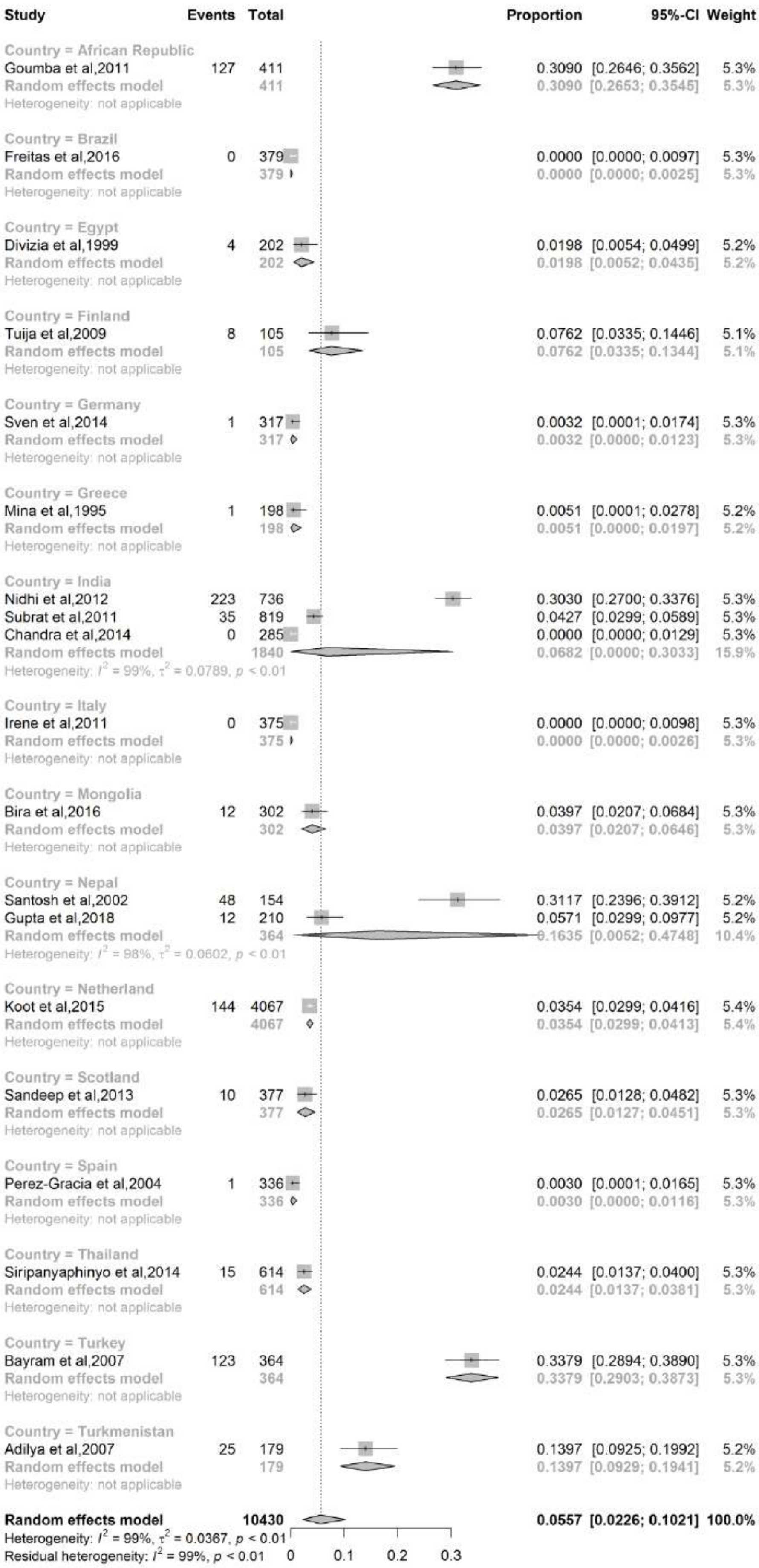
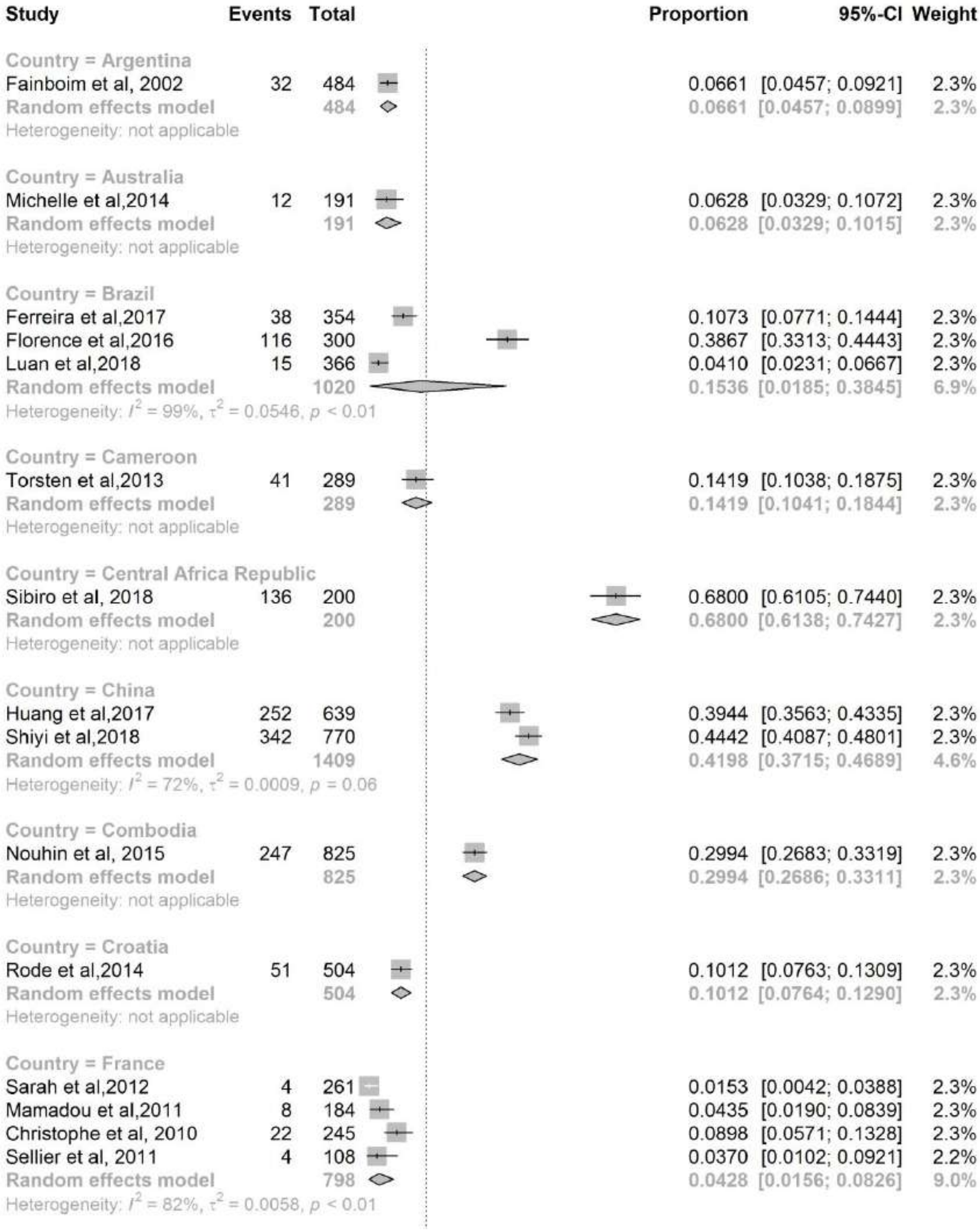
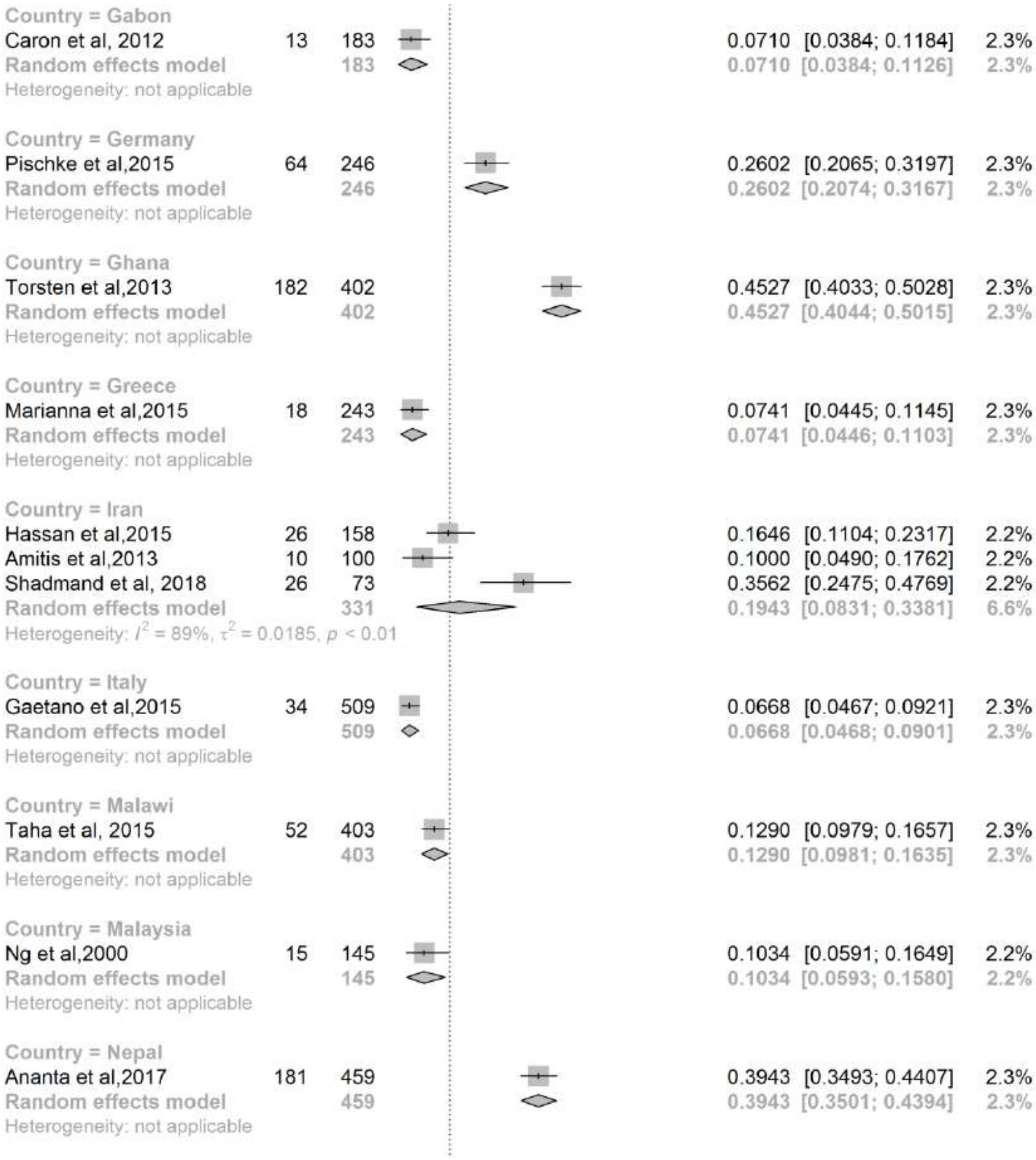


Figure S20. Forest plot of estimated pooled seroprevalence of anti-HEV IgG among HIV population based on different countries.




Country = Gabon
Caron et al, 2012 13 183 0.0710 [0.0384; 0.1184] 2.3%
Random effects model 183 0.0710 [0.0384; 0.1126] 2.3%
Heterogeneity: not applicable
Country = Germany
Pischke et al,2015 64 246 0.2602 [0.2065; 0.3197] 2.3%
Random effects model 246 0.2602 [0.2074; 0.3167] 2.3%
Heterogeneity: not applicable
Country = Ghana
Torsten et al,2013 182 402 0.4527 [0.4033; 0.5028] 2.3%
Random effects model 402 0.4527 [0.4044; 0.5015] 2.3%
Heterogeneity: not applicable
Country = Greece
Marianna et al,2015 18 243 0.0741 [0.0445; 0.1145] 2.3%
Random effects model 243 0.0741 [0.0446; 0.1103] 2.3%
Heterogeneity: not applicable
Country = Iran
Hassan et al,2015 26 158 0.1646 [0.1104; 0.2317] 2.2%
Amitis et al,2013 10 100 0.1000 [0.0490; 0.1762] 2.2%
Shadmand et al, 2018 26 73 0.3562 [0.2475; 0.4769] 2.2%
Random effects model 331 0.1943 [0.0831; 0.3381] 6.6%
Heterogeneity: I^2 = 89%, τ^2 = 0.0185, p < 0.01
Country = Italy
Gaetano et al,2015 34 509 0.0668 [0.0467; 0.0921] 2.3%
Random effects model 509 0.0668 [0.0468; 0.0901] 2.3%
Heterogeneity: not applicable
Country = Malawi
Taha et al, 2015 52 403 0.1290 [0.0979; 0.1657] 2.3%
Random effects model 403 0.1290 [0.0981; 0.1635] 2.3%
Heterogeneity: not applicable
Country = Malaysia
Ng et al,2000 15 145 0.1034 [0.0591; 0.1649] 2.2%
Random effects model 145 0.1034 [0.0593; 0.1580] 2.2%
Heterogeneity: not applicable
Country = Nepal
Ananta et al,2017 181 459 0.3943 [0.3493; 0.4407] 2.3%
Random effects model 459 0.3943 [0.3501; 0.4394] 2.3%
Heterogeneity: not applicable

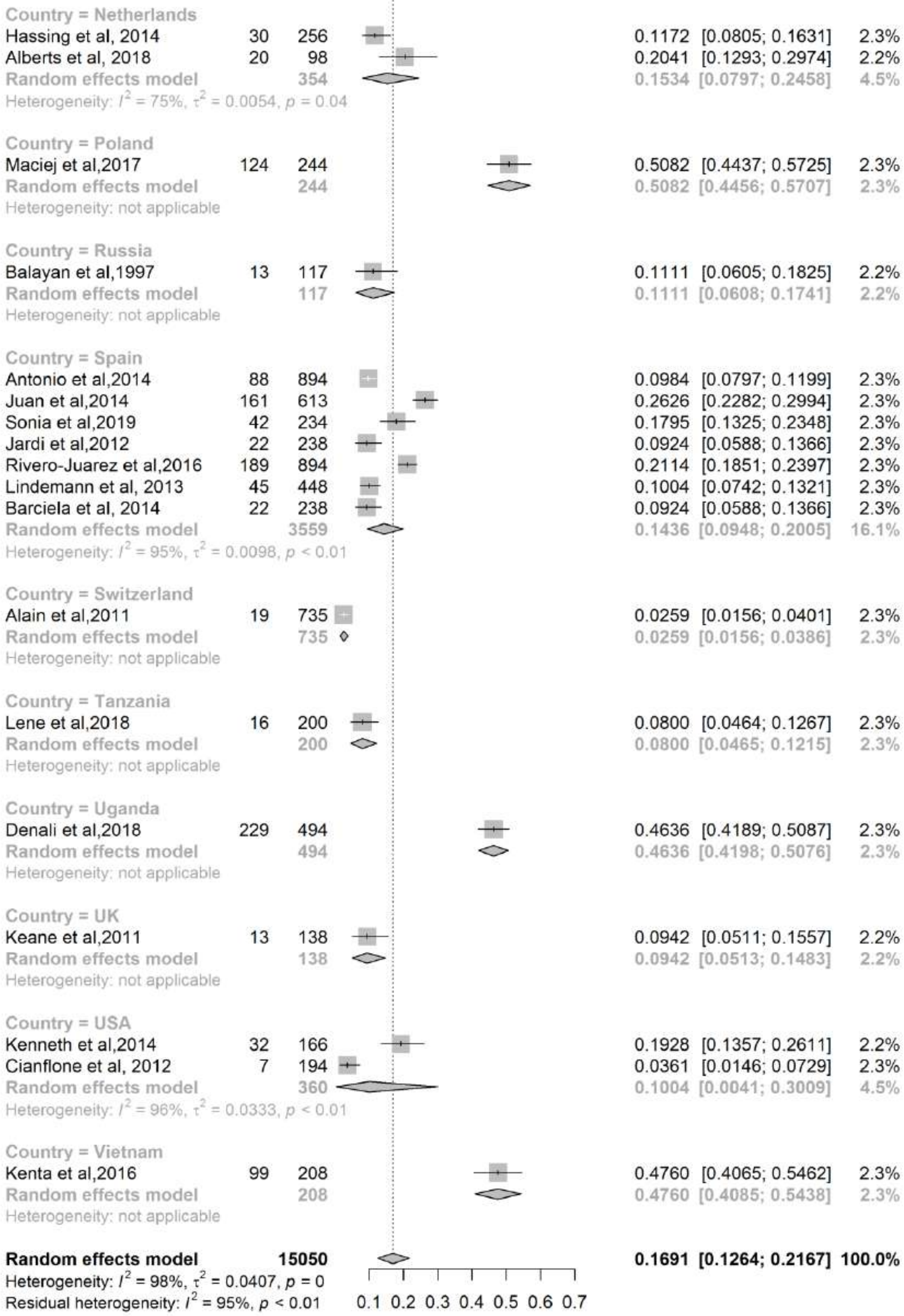
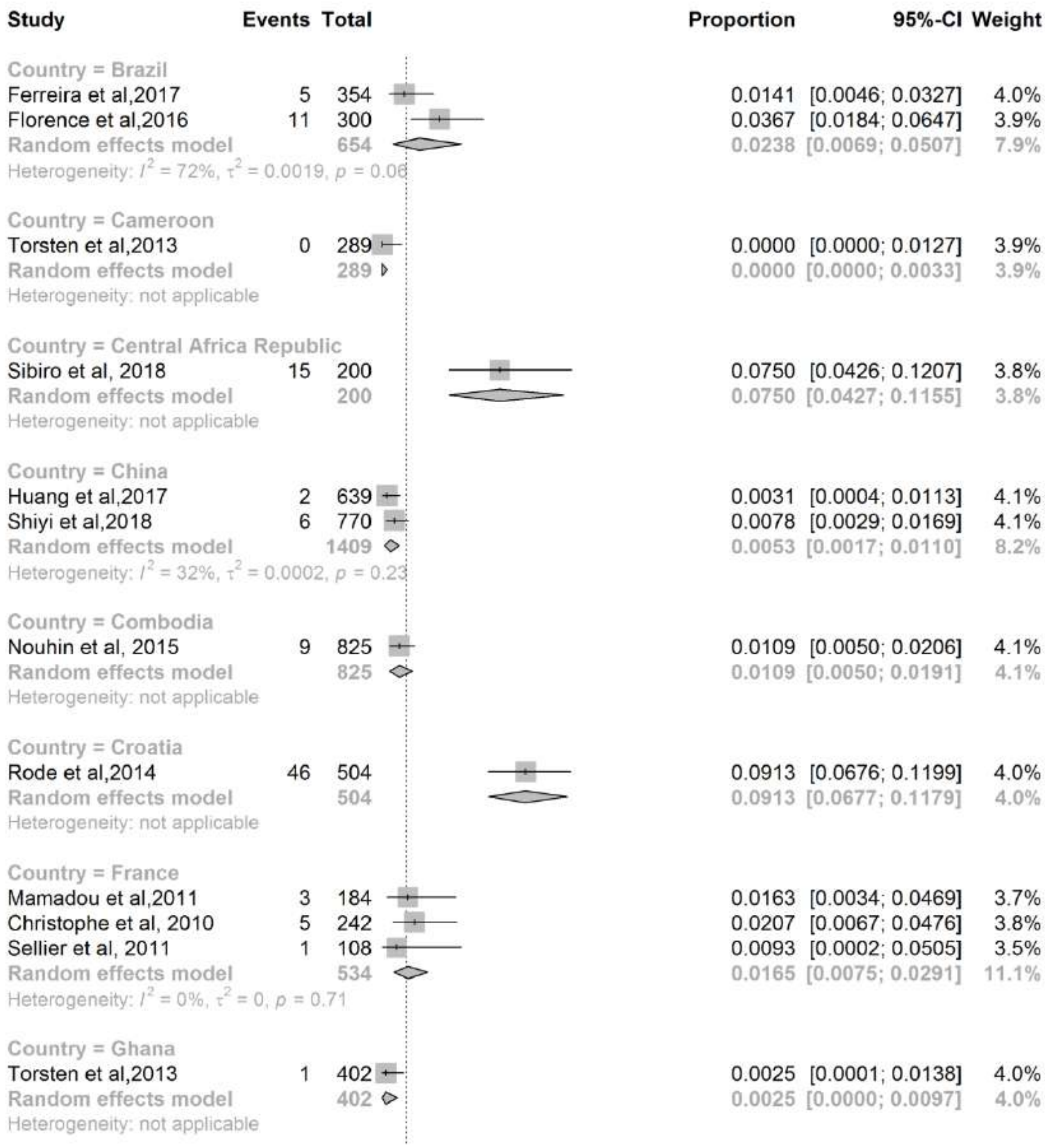

Country = Netherlands
Hassing et al, 2014 30 256 0.1172 [0.0805; 0.1631] 2.3%
Alberts et al, 2018 20 98 0.2041 [0.1293; 0.2974] 2.2%
Random effects model 354 0.1534 [0.0797; 0.2458] 4.5%
Heterogeneity: I^2 = 75%, τ^2 = 0.0054, p = 0.04
Country = Poland
Maciej et al,2017 124 244 0.5082 [0.4437; 0.5725] 2.3%
Random effects model 244 0.5082 [0.4456; 0.5707] 2.3%
Heterogeneity: not applicable
Country = Russia
Balayan et al,1997 13 117 0.1111 [0.0605; 0.1825] 2.2%
Random effects model 117 0.1111 [0.0608; 0.1741] 2.2%
Heterogeneity: not applicable
Country = Spain
Antonio et al,2014 88 894 0.0984 [0.0797; 0.1199] 2.3%
Juan et al,2014 161 613 0.2626 [0.2282; 0.2994] 2.3%
Sonia et al,2019 42 234 0.1795 [0.1325; 0.2348] 2.3%
Jardi et al,2012 22 238 0.0924 [0.0588; 0.1366] 2.3%
Rivero-Juarez et al,2016 189 894 0.2114 [0.1851; 0.2397] 2.3%
Lindemann et al, 2013 45 448 0.1004 [0.0742; 0.1321] 2.3%
Barciela et al, 2014 22 238 0.0924 [0.0588; 0.1366] 2.3%
Random effects model 3559 0.1436 [0.0948; 0.2005] 16.1%
Heterogeneity: I^2 = 95%, τ^2 = 0.0098, p < 0.01
Country = Switzerland
Alain et al,2011 19 735 0.0259 [0.0156; 0.0401] 2.3%
Random effects model 735 0.0259 [0.0156; 0.0386] 2.3%
Heterogeneity: not applicable
Country = Tanzania
Lene et al,2018 16 200 0.0800 [0.0464; 0.1267] 2.3%
Random effects model 200 0.0800 [0.0465; 0.1215] 2.3%
Heterogeneity: not applicable
Country = Uganda
Denali et al,2018 229 494 0.4636 [0.4189; 0.5087] 2.3%
Random effects model 494 0.4636 [0.4198; 0.5076] 2.3%
Heterogeneity: not applicable
Country = UK
Keane et al,2011 13 138 0.0942 [0.0511; 0.1557] 2.2%
Random effects model 138 0.0942 [0.0513; 0.1483] 2.2%
Heterogeneity: not applicable
Country = USA
Kenneth et al,2014 32 166 0.1928 [0.1357; 0.2611] 2.2%
Cianflone et al, 2012 7 194 0.0361 [0.0146; 0.0729] 2.3%
Random effects model 360 0.1004 [0.0041; 0.3009] 4.5%
Heterogeneity: I^2 = 96%, τ^2 = 0.0333, p < 0.01
Country = Vietnam
Kenta et al,2016 99 208 0.4760 [0.4065; 0.5462] 2.3%
Random effects model 208 0.4760 [0.4085; 0.5438] 2.3%
Heterogeneity: not applicable
Random effects model 15050 0.1691 [0.1264; 0.2167] 100.0%
Heterogeneity: I^2 = 98%, τ^2 = 0.0407, p = 0
Residual heterogeneity: I^2 = 95%, p < 0.01
0.1 0.2 0.3 0.4 0.5 0.6 0.7

Figure S21. Forest plot of estimated pooled seroprevalence of anti-HEV IgM among HIV population based on different countries.



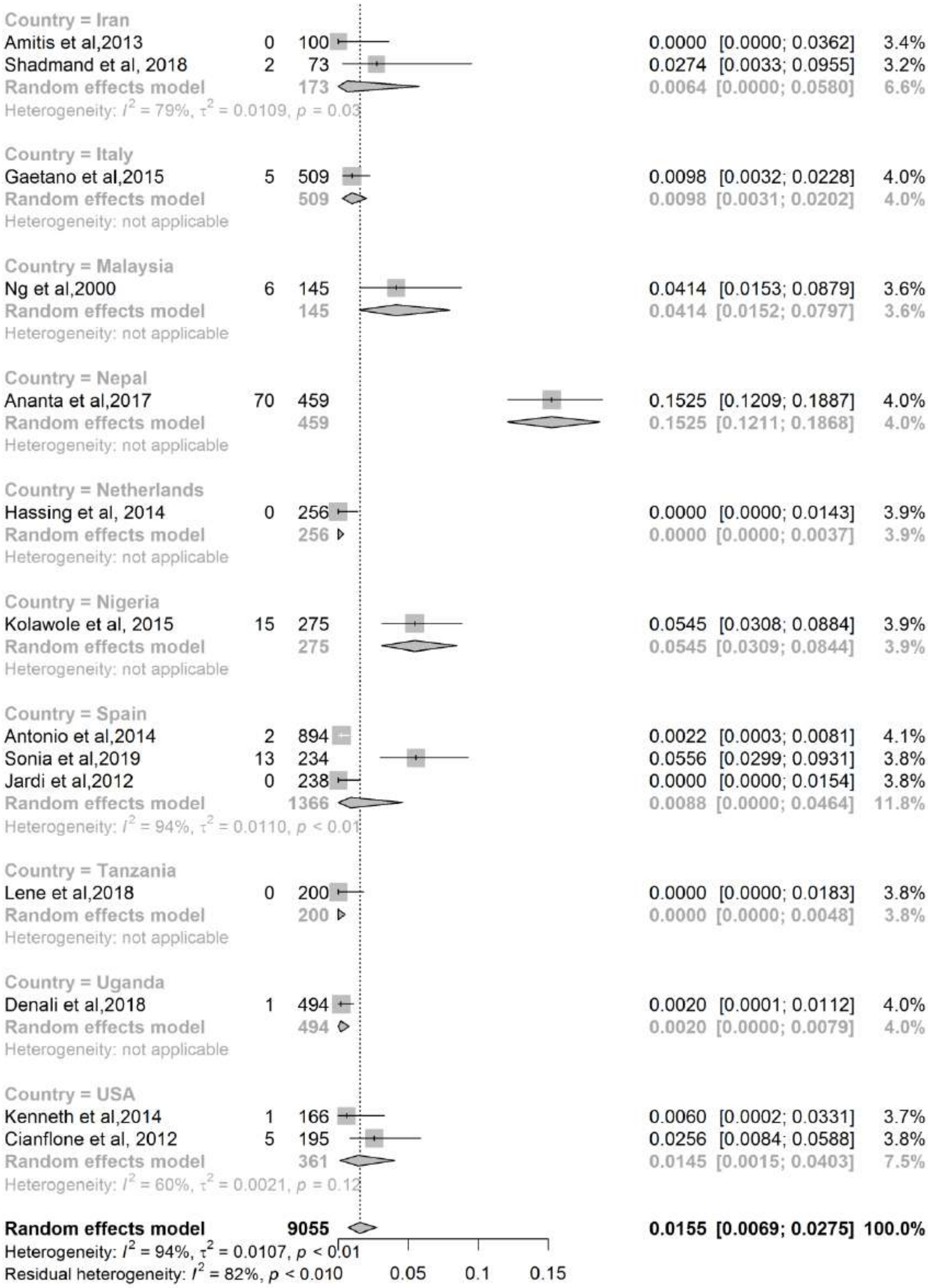

Country = Iran
Amitis et al,2013 0 100 0.0000 [0.0000; 0.0362] 3.4%
Shadmand et al, 2018 2 73 0.0274 [0.0033; 0.0955] 3.2%
Random effects model 173 0.0064 [0.0000; 0.0580] 6.6%
Heterogeneity: I^2 = 79%, τ^2 = 0.0109, p = 0.03
Country = Italy
Gaetano et al,2015 5 509 0.0098 [0.0032; 0.0228] 4.0%
Random effects model 509 0.0098 [0.0031; 0.0202] 4.0%
Heterogeneity: not applicable
Country = Malaysia
Ng et al,2000 6 145 0.0414 [0.0153; 0.0879] 3.6%
Random effects model 145 0.0414 [0.0152; 0.0797] 3.6%
Heterogeneity: not applicable
Country = Nepal
Ananta et al,2017 70 459 0.1525 [0.1209; 0.1887] 4.0%
Random effects model 459 0.1525 [0.1211; 0.1868] 4.0%
Heterogeneity: not applicable
Country = Netherlands
Hassing et al, 2014 0 256 0.0000 [0.0000; 0.0143] 3.9%
Random effects model 256 0.0000 [0.0000; 0.0037] 3.9%
Heterogeneity: not applicable
Country = Nigeria
Kolawole et al, 2015 15 275 0.0545 [0.0308; 0.0884] 3.9%
Random effects model 275 0.0545 [0.0309; 0.0844] 3.9%
Heterogeneity: not applicable
Country = Spain
Antonio et al,2014 2 894 0.0022 [0.0003; 0.0081] 4.1%
Sonia et al,2019 13 234 0.0556 [0.0299; 0.0931] 3.8%
Jardi et al,2012 0 238 0.0000 [0.0000; 0.0154] 3.8%
Random effects model 1366 0.0088 [0.0000; 0.0464] 11.8%
Heterogeneity: I^2 = 94%, τ^2 = 0.0110, p < 0.01
Country = Tanzania
Lene et al,2018 0 200 0.0000 [0.0000; 0.0183] 3.8%
Random effects model 200 0.0000 [0.0000; 0.0048] 3.8%
Heterogeneity: not applicable
Country = Uganda
Denali et al,2018 1 494 0.0020 [0.0001; 0.0112] 4.0%
Random effects model 494 0.0020 [0.0000; 0.0079] 4.0%
Heterogeneity: not applicable
Country = USA
Kenneth et al,2014 1 166 0.0060 [0.0002; 0.0331] 3.7%
Cianflone et al, 2012 5 195 0.0256 [0.0084; 0.0588] 3.8%
Random effects model 361 0.0145 [0.0015; 0.0403] 7.5%
Heterogeneity: I^2 = 60%, τ^2 = 0.0021, p = 0.12
Random effects model 9055 0.0155 [0.0069; 0.0275] 100.0%
Heterogeneity: I^2 = 94%, τ^2 = 0.0107, p < 0.01
Residual heterogeneity: I^2 = 82%, p < 0.010
0.05 0.1 0.15

Figure S22. Forest plot of estimated pooled HEV RNA positive rate among HIV population based on different countries.

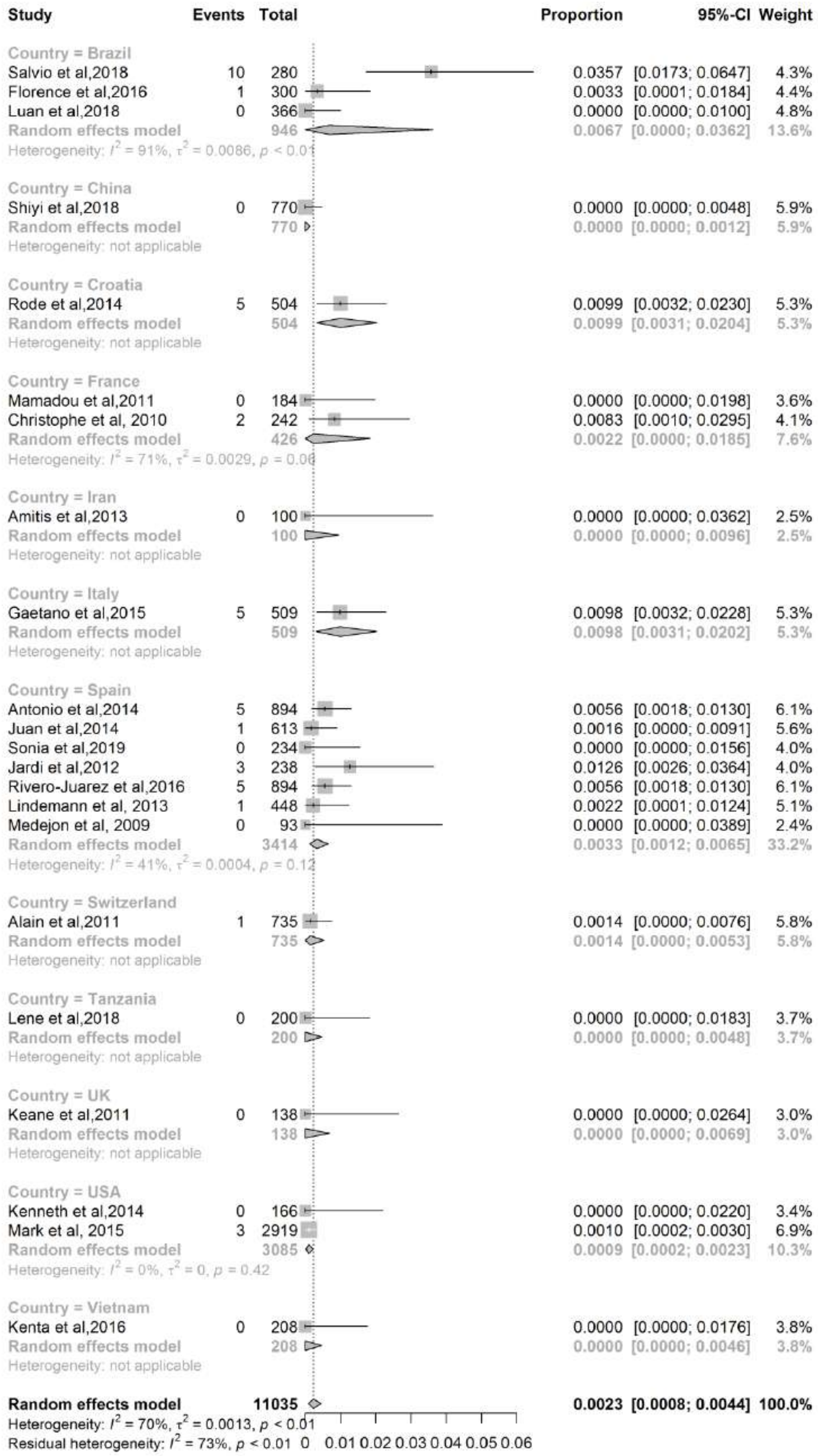


Figure S23. Forest plot of estimated pooled seroprevalence of anti-HEV IgG among transplant population based on different countries.

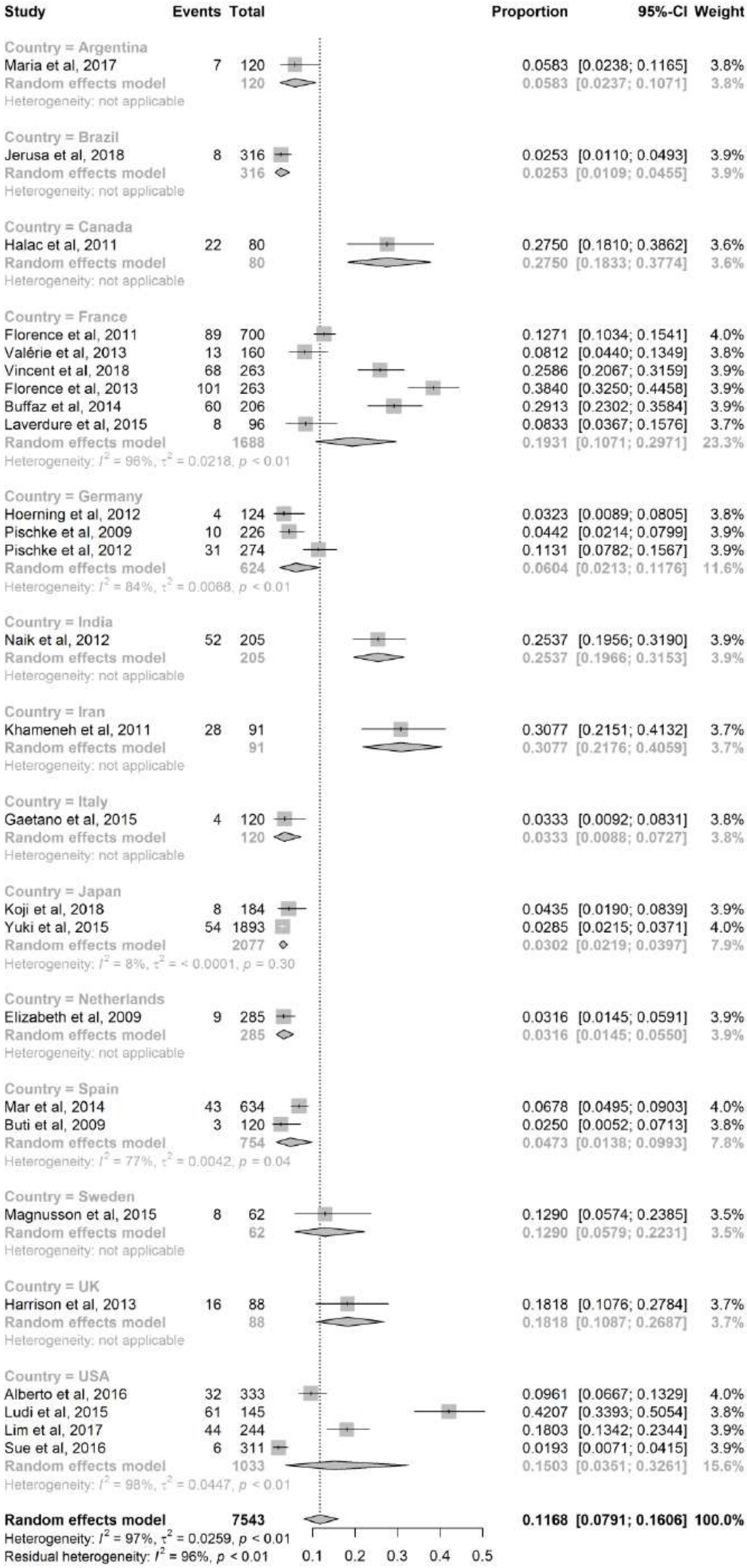


Figure S24. Forest plot of estimated pooled seroprevalence of anti-HEV IgM among transplant population based on different countries.

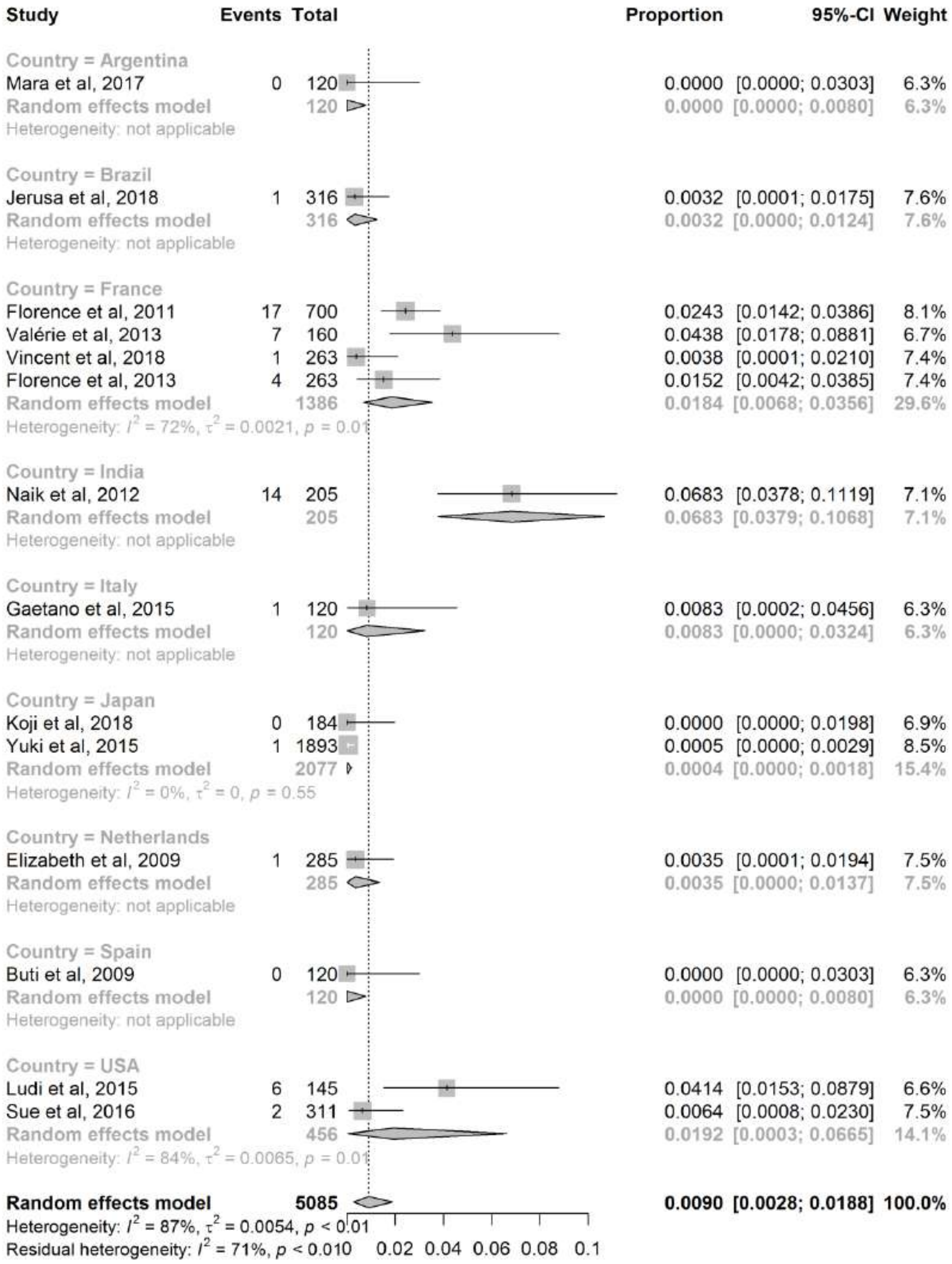


Figure S25. Forest plot of estimated pooled HEV RNA positive rate among transplant population based on different countries.

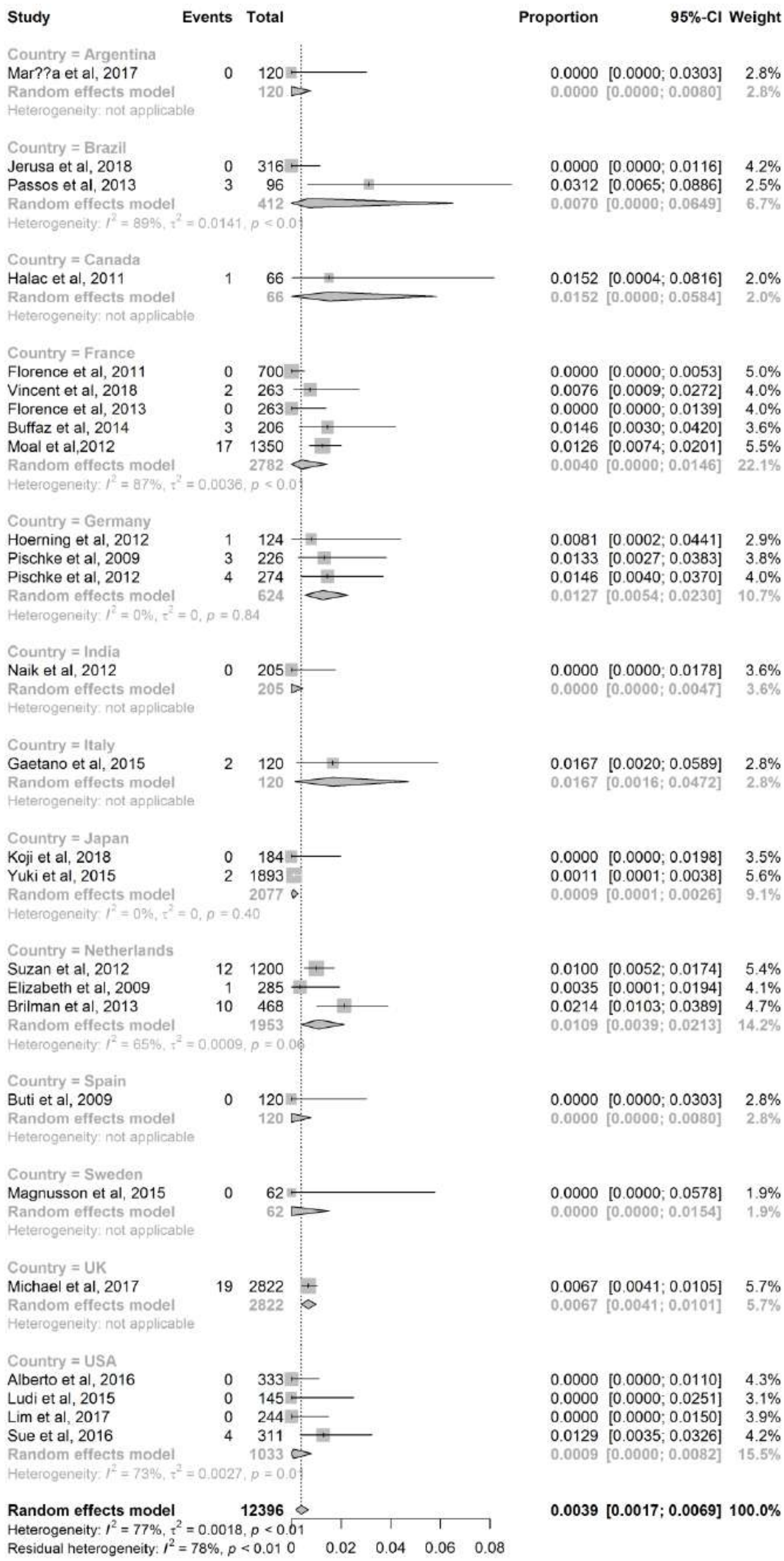


Figure S26. Forest plot of estimated pooled seroprevalence of anti-HEV IgG among hemodialysis population based on different countries.

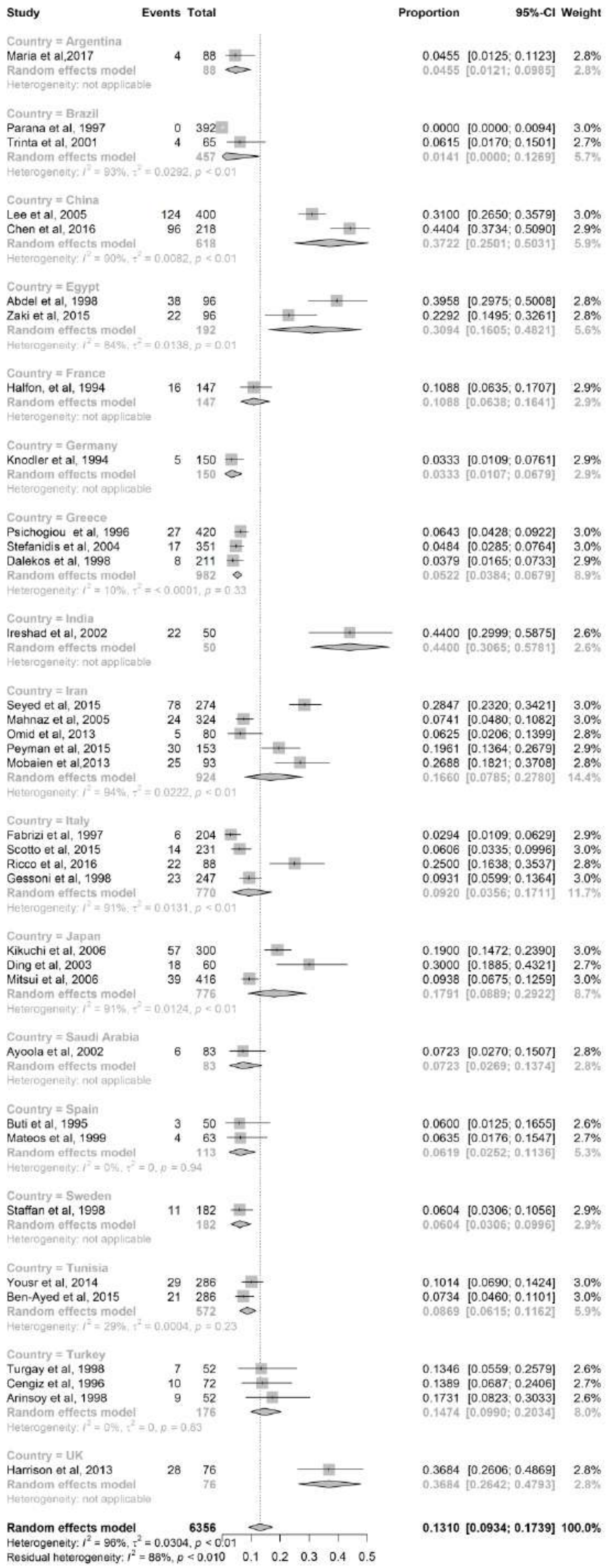


Figure S27. Forest plot of estimated pooled seroprevalence of anti-HEV IgM among hemodialysis population based on different countries.

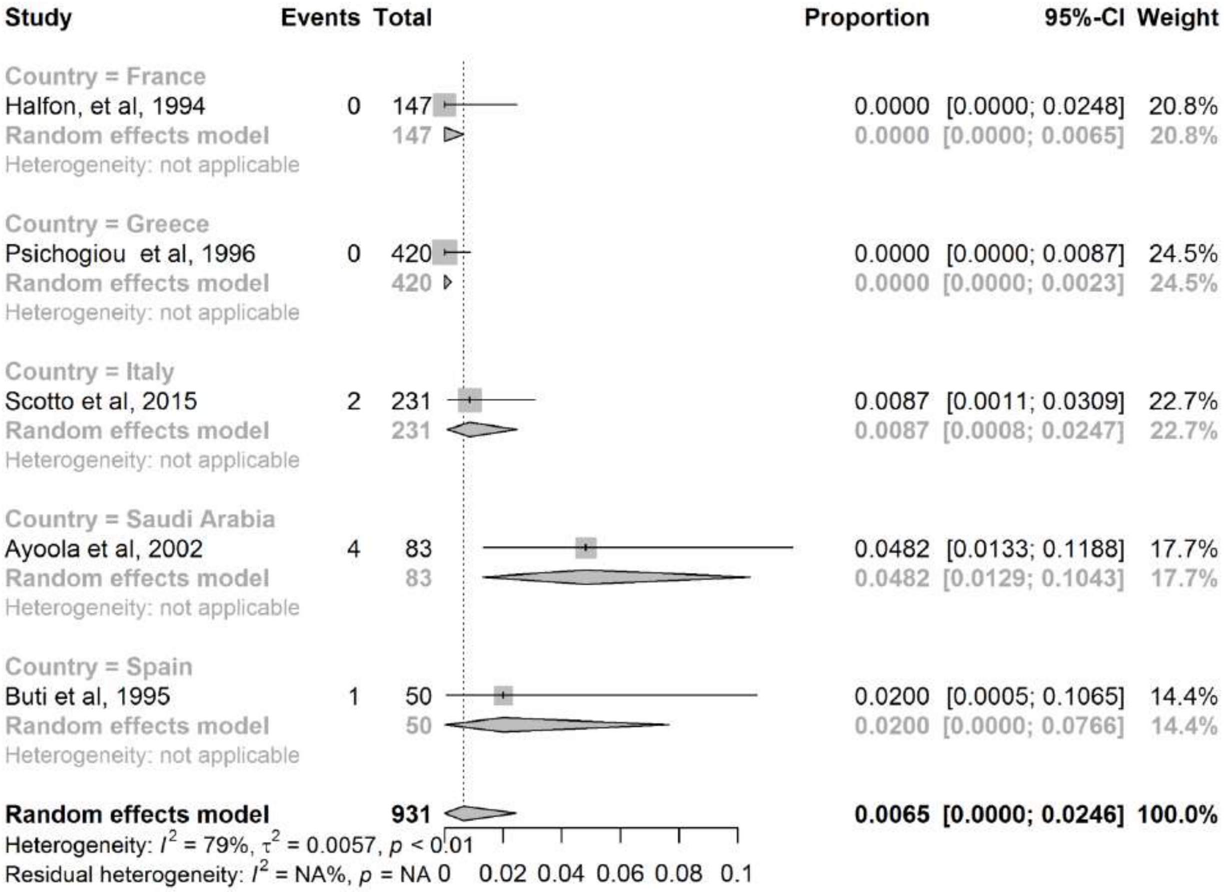


Figure S28. Pooled Odd Ratios of anti-HEV IgG seroprevalence to investigate the risk factors for HEV infection among general population.

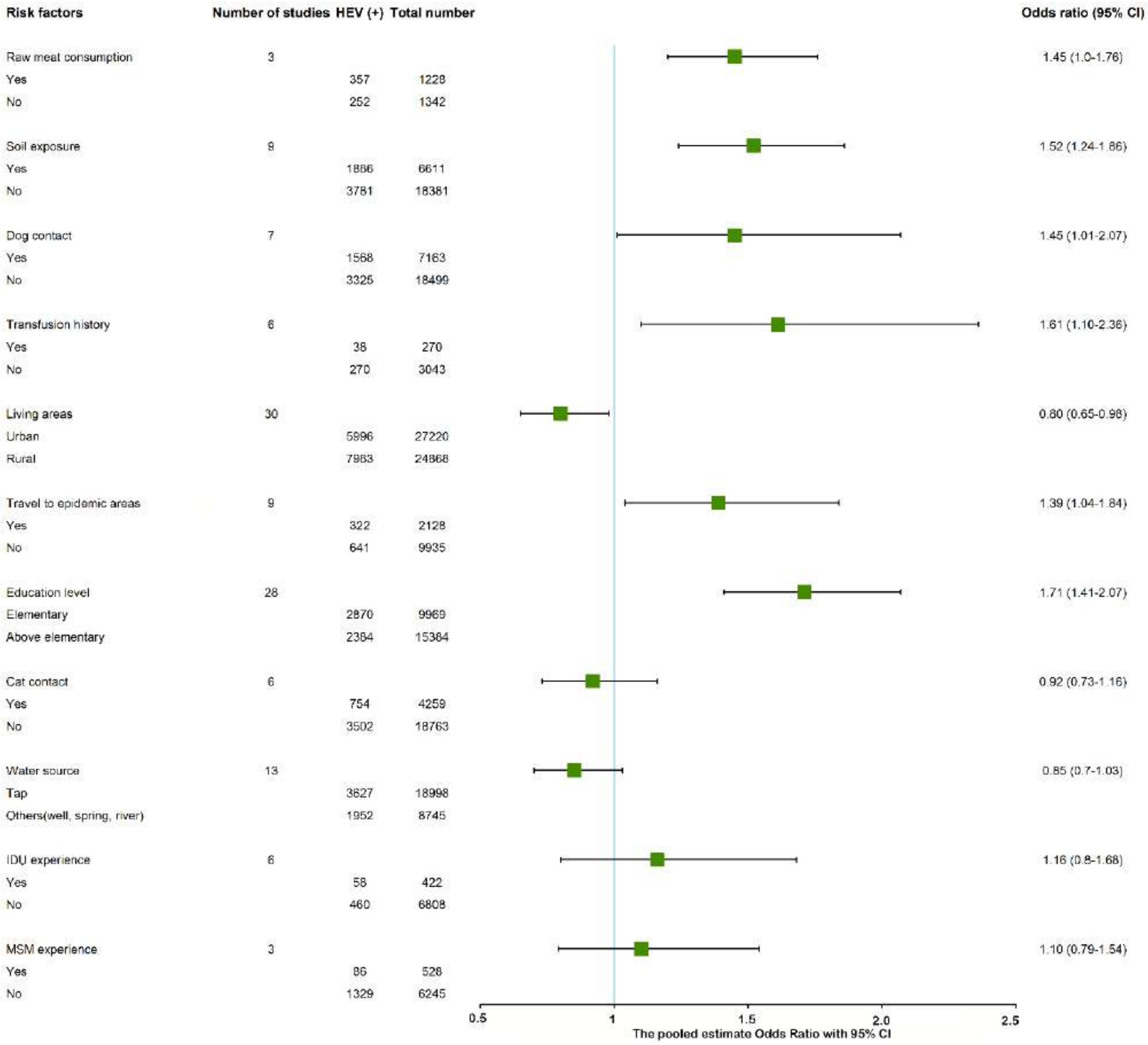


Figure S29. Odds ratio analysis of anti-HEV seroprevalence for people contacting dogs or not in general population.

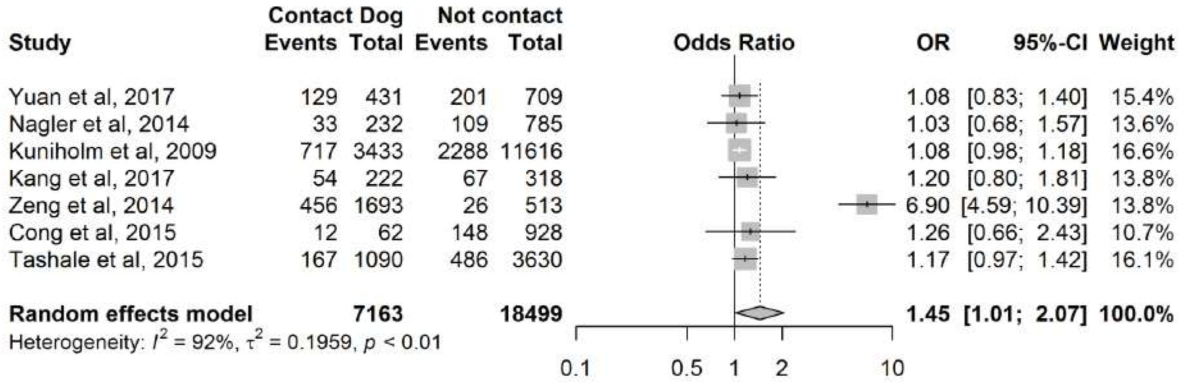


Figure S30. Odds ratio analysis of anti-HEV IgG seroprevalence for people contacting cats or not in general population.

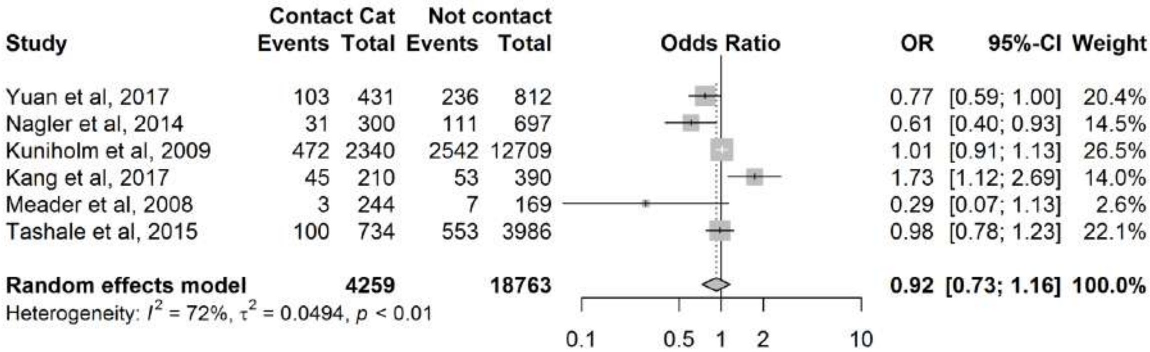


Figure S31. Odds ratio analysis of anti-HEV IgG seroprevalence for people with or without blood transfusion in general population.

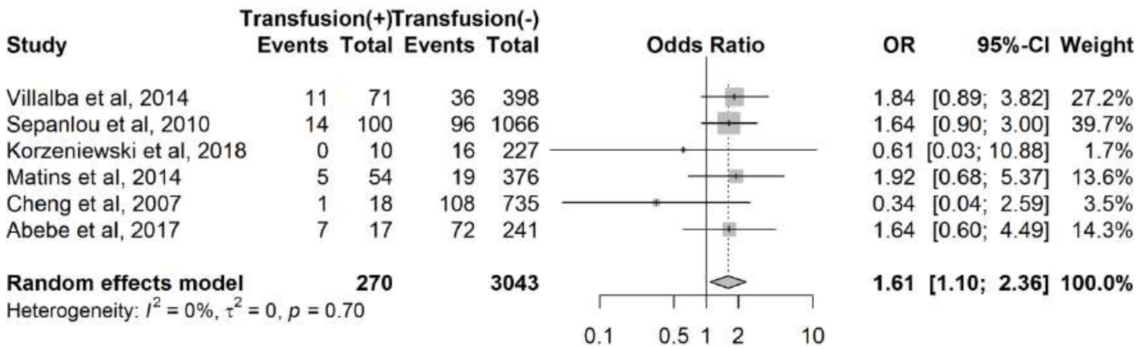


Figure S32. Odds ratio analysis of anti-HEV IgG seroprevalence for people with or without consumption of raw meat in general population.

Study	Raw meat(+) Events	Raw meat(+) Total	Raw meat(-) Events	Raw meat(-) Total	OR	95%-CI	Weight
Cai et al, 2016	180	795	186	1047	1.35	[1.08; 1.70]	70.2%
Marcantonio et al, 2018	2	31	5	97	1.27	[0.23; 6.89]	1.3%
Zhang et al, 2017	175	402	61	198	1.73	[1.21; 2.48]	28.5%
Random effects model		**1228**		**1342**	**1.45**	**[1.20; 1.76]**	**100.0%**

Heterogeneity: $I^2 = 0\%$, $\tau^2 = 0$, $p = 0.52$

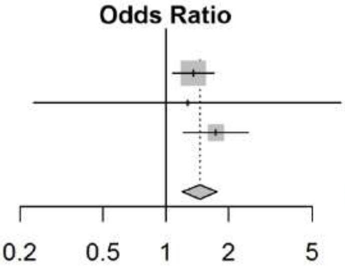


Figure S33. Odds ratio analysis of anti-HEV IgG seroprevalence for people frequently exposed to soil or unexposed to soil in general population.

Study	Contact soil Events	Contact soil Total	Not contact Events	Not contact Total	OR	95%-CI	Weight
Yuan et al, 2017	262	779	63	321	2.08	[1.52; 2.84]	11.6%
Peng et al, 1995	34	410	42	587	1.17	[0.73; 1.88]	8.6%
Cai et al, 2016	192	950	174	892	1.05	[0.83; 1.31]	13.3%
Jia et al, 2014	621	1807	3100	14055	1.85	[1.67; 2.06]	15.3%
Li et al, 2014	58	285	143	1353	2.16	[1.54; 3.03]	11.1%
Kang et al, 2017	375	1011	135	389	1.11	[0.87; 1.42]	13.0%
Esquivel et al, 2014	88	237	12	36	1.18	[0.56; 2.48]	5.1%
Cong et al, 2014	144	550	64	340	1.53	[1.10; 2.13]	11.2%
Cong et al, 2015	112	582	48	408	1.79	[1.24; 2.57]	10.6%
Random effects model		**6611**		**18381**	**1.52**	**[1.24; 1.86]**	**100.0%**

Heterogeneity: $I^2 = 79\%$, $\tau^2 = 0.0677$, $p < 0.01$

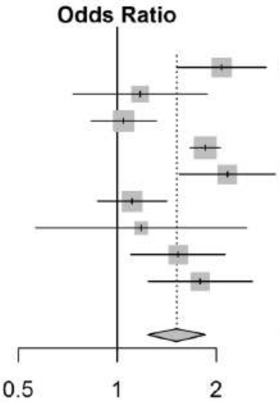


Figure S34. Odds ratio analysis of anti-HEV IgG seroprevalence for people with or without travelling to endemic areas in general population.

Study	Travel Events	Travel Total	None travel Events	None travel Total	OR	95%-CI	Weight
Verhoef et al, 2011	18	514	116	6424	1.97	[1.19; 3.27]	14.0%
Shrestha et al, 2016	15	565	40	1280	0.85	[0.46; 1.54]	11.8%
Pavia et al, 1998	0	3	3	315	12.76	[0.55; 296.14]	0.8%
Lucarelli et al, 2016	65	118	127	259	1.27	[0.82; 1.97]	15.7%
Nagler et al, 2014	38	216	104	781	1.39	[0.93; 2.09]	16.5%
Esquivel et al, 2014	25	46	75	227	2.41	[1.27; 4.59]	11.0%
Chaussade et al, 2013	135	396	167	461	0.91	[0.69; 1.21]	20.0%
Whiters et al, 2002	8	134	4	126	1.94	[0.57; 6.60]	4.4%
Galiana et al, 2008	18	136	5	62	1.74	[0.61; 4.92]	5.8%
Random effects model		**2128**		**9935**	**1.39**	**[1.04; 1.84]**	**100.0%**

Heterogeneity: $I^2 = 53\%$, $\tau^2 = 0.0849$, $p = 0.03$

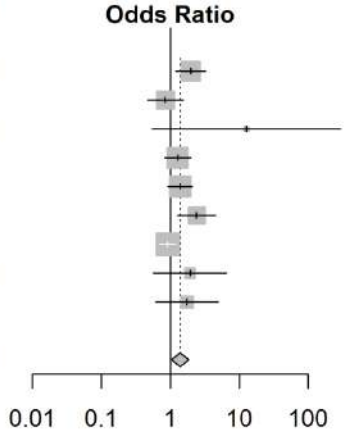


Figure S35. Odds ratio analysis of anti-HEV IgG seroprevalence for urban residents or rural residents in general population.

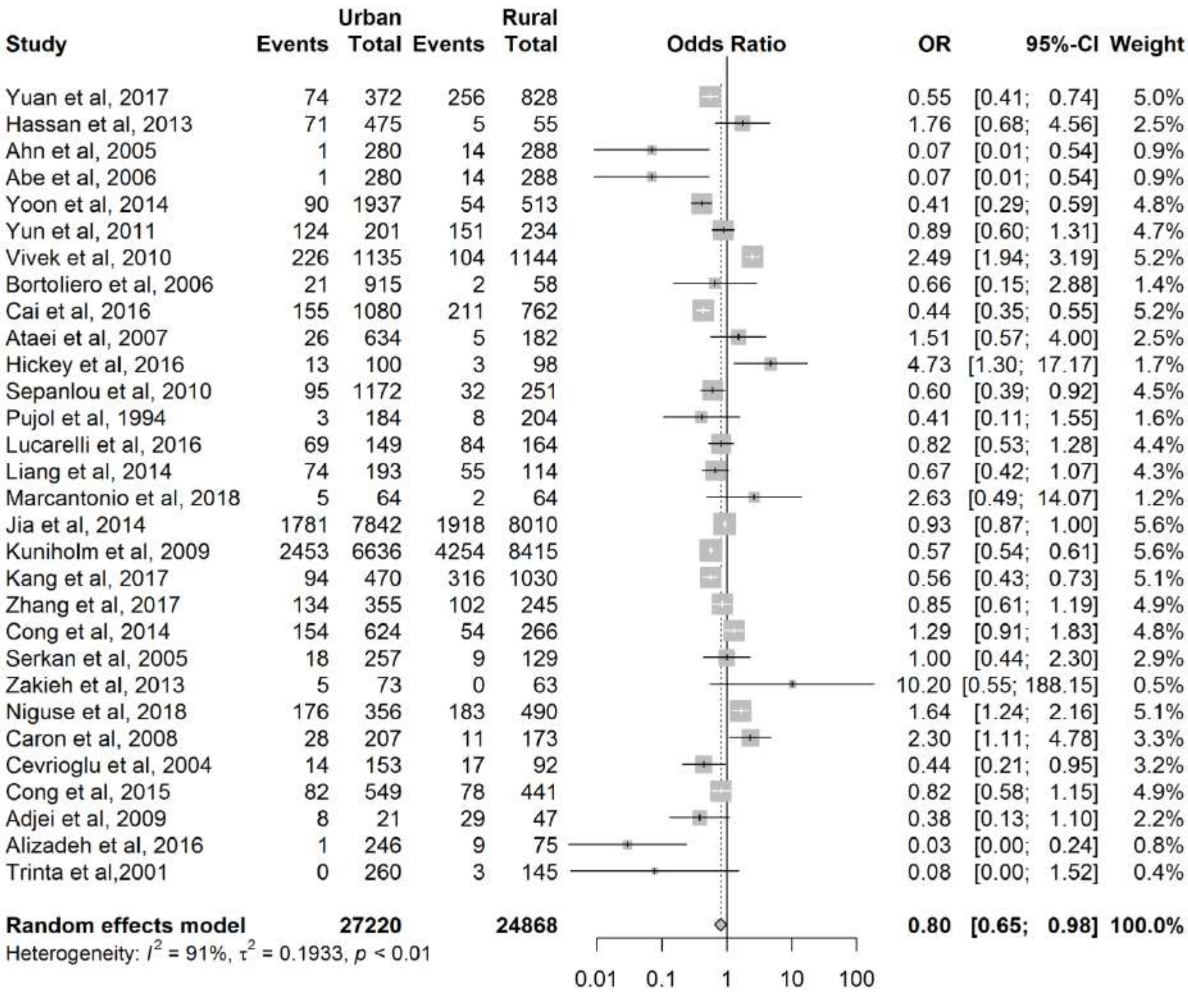


Figure S36. Odds ratio analysis of anti-HEV IgG seroprevalence for people receiving water source of tap or none tap in general population.

Study	Tap water Events	Tap water Total	None tap Events	None tap Total	OR	95%-CI	Weight
Yuan et al, 2017	226	868	105	332	0.76	[0.58; 1.00]	11.9%
Olcay et al, 2003	54	869	3	41	0.84	[0.25; 2.81]	2.1%
Bortoliero et al, 2006	23	959	0	14	0.73	[0.04; 12.56]	0.4%
Cai et al, 2016	213	1271	153	571	0.55	[0.43; 0.70]	12.8%
Madden et al, 2016	11	44	313	1117	0.86	[0.43; 1.72]	5.1%
Kuniholm et al, 2009	2391	11782	326	1731	1.10	[0.96; 1.25]	14.9%
Esquivel et al, 2014	61	190	39	83	0.53	[0.31; 0.90]	7.1%
Chaussade et al, 2013	267	772	35	87	0.79	[0.50; 1.24]	8.3%
Cong et al, 2014	144	624	64	266	0.95	[0.68; 1.33]	10.6%
Serkan et al, 2005	25	305	5	81	1.36	[0.50; 3.66]	3.0%
Niguse et al, 2018	7	10	352	484	0.88	[0.22; 3.43]	1.7%
Cong et al, 2015	118	740	42	250	0.94	[0.64; 1.38]	9.6%
Tashale et al, 2015	87	564	515	3688	1.12	[0.88; 1.44]	12.6%
Random effects model		**18998**		**8745**	**0.85**	**[0.70; 1.03]**	**100.0%**

Heterogeneity: $I^2 = 66\%$, $\tau^2 = 0.0584$, $p < 0.01$

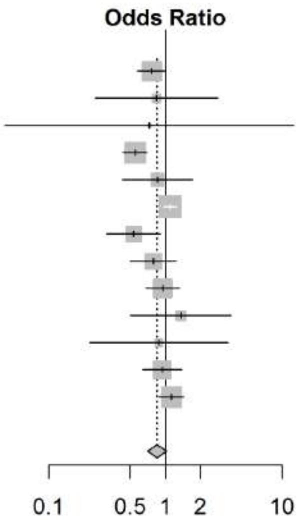


Figure S37. Odds ratio analysis of anti-HEV IgG seroprevalence for people accepting education of elementary or above elementary in general population.

Study	<Elementary Events	<Elementary Total	>Elementary Events	>Elementary Total	OR	95%-CI	Weight
Azarkar et al, 2017	58	149	93	417	2.22	[1.49; 3.32]	4.8%
Yoon et al, 2014	27	132	87	1094	2.98	[1.85; 4.79]	4.4%
Mooij et al, 2018	272	780	213	770	1.40	[1.13; 1.74]	5.6%
Lafeber et al, 2017	222	609	472	1813	1.63	[1.34; 1.98]	5.7%
Olcay et al, 2003	36	570	21	340	1.02	[0.59; 1.79]	4.0%
Rapicetta et al, 1999	11	410	9	505	1.52	[0.62; 3.70]	2.6%
Wong et al, 2004	2	32	183	902	0.26	[0.06; 1.11]	1.4%
Taremi et al, 2007	3	11	27	388	5.01	[1.26; 20.00]	1.5%
Bortoliero et al, 2006	5	175	18	798	1.27	[0.47; 3.48]	2.3%
Feng et al, 2018	1045	1459	292	453	1.39	[1.11; 1.74]	5.6%
Ataei et al, 2007	15	382	15	416	1.09	[0.53; 2.27]	3.2%
Hesamizadeh et al, 2015	18	85	27	429	4.00	[2.09; 7.66]	3.6%
Sepanlou et al, 2010	66	468	44	698	2.44	[1.63; 3.64]	4.8%
Zuin et al, 2016	135	674	245	2872	2.69	[2.13; 3.38]	5.5%
Lucarelli et al, 2016	48	93	105	220	1.17	[0.72; 1.90]	4.3%
Labrique et al, 2009	189	776	83	358	1.07	[0.79; 1.43]	5.3%
Matins et al, 2014	21	339	3	92	1.96	[0.57; 6.72]	1.7%
Jahanbakhsh et al, 2017	74	205	59	340	2.69	[1.80; 4.01]	4.8%
Esquivel et al, 2014	97	265	2	6	1.15	[0.21; 6.42]	1.0%
Cui et al, 2016	61	227	167	798	1.39	[0.99; 1.95]	5.1%
Serkan et al, 2005	26	268	3	118	4.12	[1.22; 13.89]	1.8%
Zakieh et al, 2013	4	102	1	29	1.14	[0.12; 10.64]	0.7%
Niguse et al, 2018	262	638	97	208	0.80	[0.58; 1.09]	5.2%
Cevrioglu et al, 2004	27	177	4	68	2.88	[0.97; 8.57]	2.0%
Farshadpour et al, 2018	66	537	18	794	6.04	[3.54; 10.30]	4.1%
Adjei et al, 2009	23	82	21	75	1.00	[0.50; 2.01]	3.3%
Alizadeh et al, 2016	7	179	3	142	1.89	[0.48; 7.43]	1.5%
Abebe et al, 2017	50	145	72	241	1.24	[0.80; 1.92]	4.6%
Random effects model		**9969**		**15384**	**1.71**	**[1.41; 2.07]**	**100.0%**

Heterogeneity: $I^2 = 78\%$, $\tau^2 = 0.1587$, $p < 0.01$

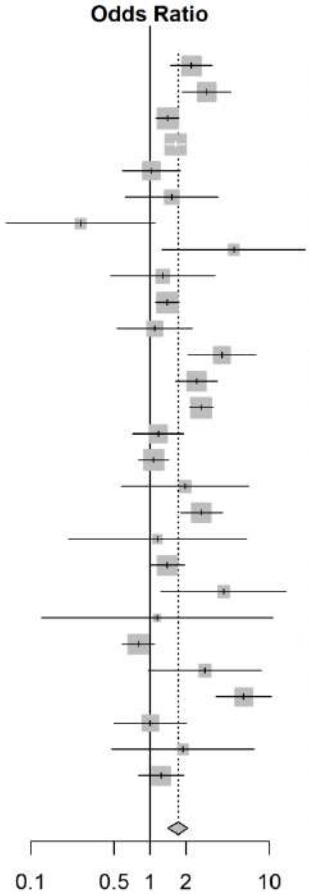


Figure S38. Odds ratio analysis of anti-HEV IgG seroprevalence for people with or without MSM experience in general population.

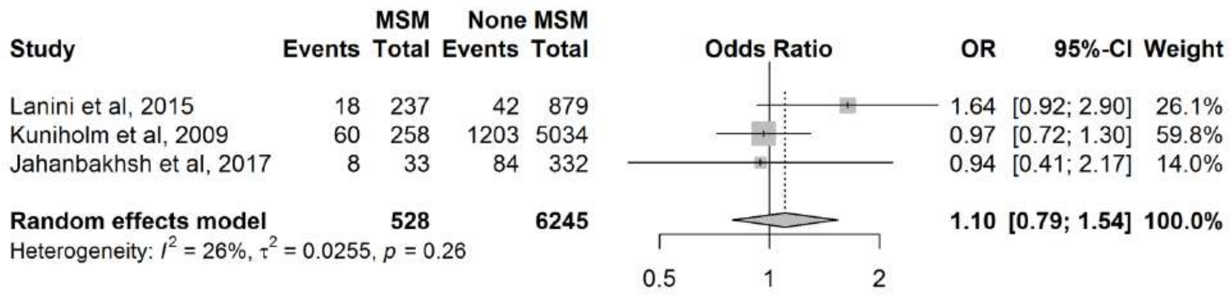


Figure S39. Odds ratio analysis of anti-HEV IgG seroprevalence for people with or without IDU experience in general population.

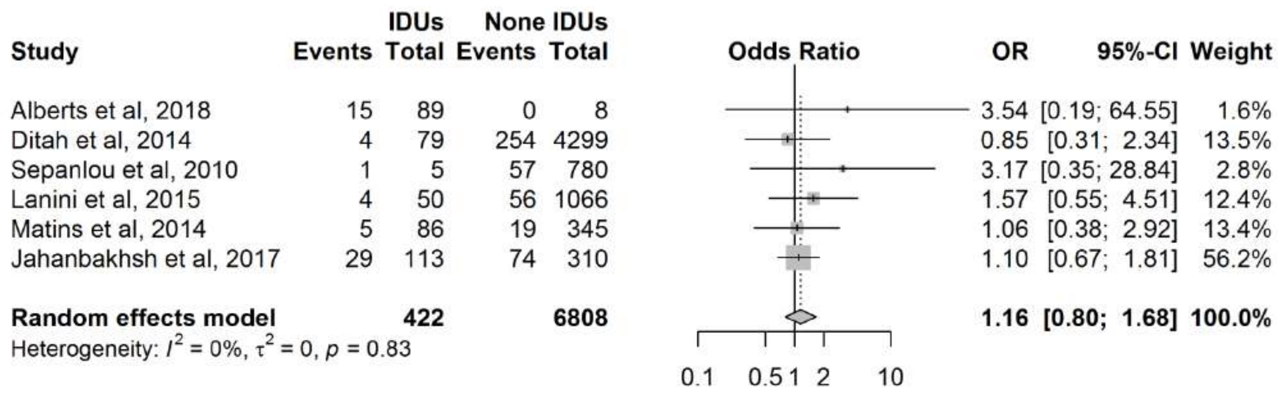


Figure S40. Forest plot of estimated pooled anti-HEV IgG seroprevalence among general population based on different ELISA manufactures.

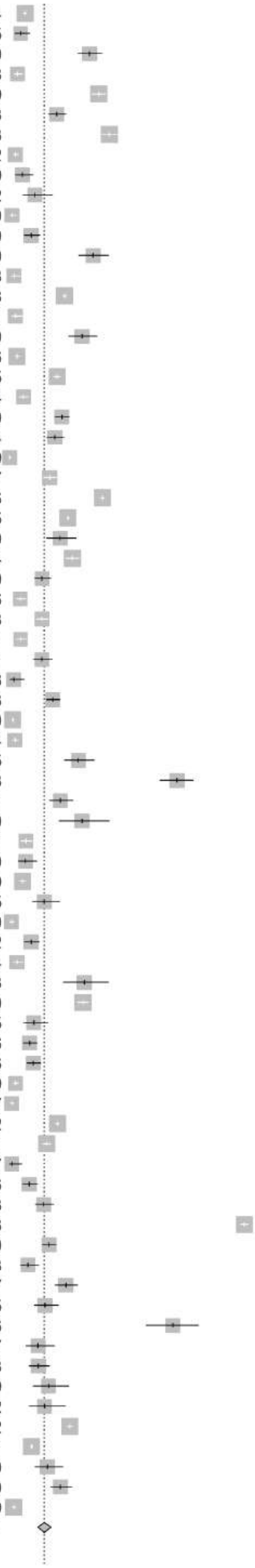
Note: Those own in-house assays and uncommon commercial kits are classified as 'Others'

Study	Events	Total	Proportion	95%-CI	Weight
Company = Abbott Laboratories					
Corwin et al, 1996	26	187	0.1390	[0.0929; 0.1970]	0.3%
Rapicetta et al, 1999	33	2233	0.0148	[0.0102; 0.0207]	0.4%
Talarmin et al, 1997	64	996	0.0643	[0.0498; 0.0813]	0.3%
Santos et al, 2002	17	699	0.0243	[0.0142; 0.0387]	0.3%
Miller et al, 1998	1	403	0.0025	[0.0001; 0.0137]	0.3%
Bortoliero et al, 2006	23	996	0.0231	[0.0147; 0.0344]	0.3%
Gessoni et al, 1996	49	1889	0.0259	[0.0193; 0.0341]	0.4%
Goncales et al, 2000	18	357	0.0504	[0.0302; 0.0785]	0.3%
Arif et al, 1994	160	1418	0.1128	[0.0968; 0.1305]	0.4%
Bernal et al, 1995	36	1757	0.0205	[0.0144; 0.0283]	0.4%
Pujol et al, 1994	23	611	0.0376	[0.0240; 0.0559]	0.3%
Mateos et al, 1998	34	905	0.0376	[0.0262; 0.0521]	0.3%
Mansuy et al, 2004	46	431	0.1067	[0.0792; 0.1398]	0.3%
Kamel et al, 1995	214	1259	0.1700	[0.1496; 0.1919]	0.4%
Langer et al, 1997	3	553	0.0054	[0.0011; 0.0158]	0.3%
Lavanchy et al, 1994	14	317	0.0442	[0.0244; 0.0730]	0.3%
Ibarra et al, 1994	82	469	0.1748	[0.1415; 0.2123]	0.3%
Jeggli et al, 2015	25	752	0.0332	[0.0216; 0.0487]	0.3%
Lachish et al, 2013	19	4970	0.0038	[0.0023; 0.0060]	0.4%
Alecci et al, 1997	3	244	0.0123	[0.0025; 0.0355]	0.3%
Olsen et al, 2006	10	108	0.0926	[0.0453; 0.1637]	0.3%
Gandolfo et al, 2003	4	435	0.0092	[0.0025; 0.0234]	0.3%
Lin et al, 2004	86	2588	0.0332	[0.0267; 0.0409]	0.4%
Hau et al, 1999	18	646	0.0279	[0.0166; 0.0437]	0.3%
Fix et al, 2000	4283	10026	0.4272	[0.4175; 0.4369]	0.4%
Rey et al, 1997	95	5196	0.0183	[0.0148; 0.0223]	0.4%
Munoz et al, 1999	374	3549	0.1054	[0.0955; 0.1160]	0.4%
Perez et al, 1996	17	399	0.0426	[0.0250; 0.0673]	0.3%
Bartoloni et al, 1999	36	490	0.0735	[0.0520; 0.1003]	0.3%
Leon et al, 1999	64	318	0.2013	[0.1586; 0.2496]	0.3%
Trinta et al,2001	3	405	0.0074	[0.0015; 0.0215]	0.3%
Random effects model		45606	0.0527	[0.0207; 0.0984]	10.8%
Heterogeneity: $I^2 = 100\%$, $\tau^2 = 0.0612$, $p = 0$					
Company = Dia.Pro					
Hassan et al, 2013	76	530	0.1434	[0.1147; 0.1762]	0.3%
Fatemeh et al, 2014	235	510	0.4608	[0.4169; 0.5051]	0.3%
Cainelli et al, 2018	11	199	0.0553	[0.0279; 0.0968]	0.3%
Dell'Amico et al, 2011	12	123	0.0976	[0.0514; 0.1642]	0.3%
Yun et al, 2011	46	489	0.0941	[0.0697; 0.1235]	0.3%
Straková et al, 2016	13	230	0.0565	[0.0304; 0.0947]	0.3%
Taremi et al, 2007	31	399	0.0777	[0.0534; 0.1085]	0.3%
Mohebbi et al, 2012	51	551	0.0926	[0.0697; 0.1199]	0.3%
Parsa et al, 2016	50	700	0.0714	[0.0535; 0.0931]	0.3%
Teoharov et al, 2014	67	741	0.0904	[0.0708; 0.1134]	0.3%
Ataei et al, 2007	31	816	0.0380	[0.0260; 0.0535]	0.3%
Hesamizadeh et al, 2015	45	514	0.0875	[0.0646; 0.1154]	0.3%
Jahromi et al, 2013	26	477	0.0545	[0.0359; 0.0788]	0.3%
Sepanlou et al, 2010	105	1423	0.0738	[0.0607; 0.0886]	0.4%
Adesina et al, 2009	25	186	0.1344	[0.0889; 0.1920]	0.3%
Zuin et al, 2016	380	3546	0.1072	[0.0972; 0.1178]	0.4%
Scotto et al, 2012	2	151	0.0132	[0.0016; 0.0470]	0.3%
Lanini et al, 2015	60	1116	0.0538	[0.0413; 0.0687]	0.4%
Jahanbakhsh et al, 2017	136	562	0.2420	[0.2071; 0.2796]	0.3%
Esquivel et al, 2014	100	273	0.3663	[0.3090; 0.4265]	0.3%
Ghorbani et al, 2007	9	800	0.0112	[0.0052; 0.0212]	0.3%
Terzic et al, 2009	24	400	0.0600	[0.0388; 0.0880]	0.3%
Bayhan et al, 2016	17	408	0.0417	[0.0245; 0.0659]	0.3%
Saffar et al, 2009	25	1080	0.0231	[0.0150; 0.0340]	0.3%
Maria et al, 2010	38	1040	0.0365	[0.0260; 0.0498]	0.3%
Zakieh et al, 2013	5	136	0.0368	[0.0120; 0.0837]	0.3%
Cosme et al, 2014	25	439	0.0569	[0.0372; 0.0829]	0.3%
Farshadpour et al, 2018	83	1331	0.0624	[0.0500; 0.0767]	0.4%
Paschale et al, 2016	62	278	0.2230	[0.1755; 0.2766]	0.3%
Alizadeh et al, 2016	10	321	0.0312	[0.0150; 0.0565]	0.3%
Traore et al, 2012	56	178	0.3146	[0.2472; 0.3883]	0.3%
Esquivel et al, 2015	10	150	0.0667	[0.0324; 0.1192]	0.3%
Esquivel et al, 2015	25	439	0.0569	[0.0372; 0.0829]	0.3%
Wassaf et al,2014	19	433	0.0439	[0.0266; 0.0677]	0.3%
Munne et al, 2014	31	202	0.1535	[0.1067; 0.2107]	0.3%
Random effects model		21171	0.0889	[0.0668; 0.1138]	12.2%
Heterogeneity: $I^2 = 97\%$, $\tau^2 = 0.0149$, $p < 0.01$					

Study	Events	Total	Proportion	95%-CI	Weight
Company = Genelabs Diagnostics					
Ahn et al, 2005	138	1030	0.1340	[0.1138; 0.1563]	0.3%
Boutrouille et al, 2007	64	1998	0.0320	[0.0248; 0.0407]	0.4%
Moaven et al, 1995	17	550	0.0309	[0.0181; 0.0490]	0.3%
Minuk et al, 2007	11	393	0.0280	[0.0141; 0.0495]	0.3%
Olcay et al, 2003	57	910	0.0626	[0.0478; 0.0804]	0.3%
Wong et al, 2004	176	934	0.1884	[0.1638; 0.2150]	0.3%
Mitsui et al, 2005	6	266	0.0226	[0.0083; 0.0484]	0.3%
Poovorawan et al, 1996	61	1038	0.0588	[0.0452; 0.0749]	0.3%
Lee et al, 1993	43	984	0.0437	[0.0318; 0.0584]	0.3%
Gambel et al, 1998	209	981	0.2130	[0.1878; 0.2400]	0.3%
Whiters et al, 2002	3	125	0.0240	[0.0050; 0.0685]	0.3%
Cheng et al, 2007	109	754	0.1446	[0.1202; 0.1717]	0.3%
Chow et al, 1996	30	219	0.1370	[0.0944; 0.1897]	0.3%
Colak et al, 2002	3	338	0.0089	[0.0018; 0.0257]	0.3%
Kaya et al, 2007	2	589	0.0034	[0.0004; 0.0122]	0.3%
Random effects model		11109	0.0622	[0.0342; 0.0977]	5.2%
Heterogeneity: $I^2 = 98\%$, $\tau^2 = 0.0165$, $p < 0.01$					
Company = Mikrogen					
Nascimento et al, 2016	270	1656	0.1630	[0.1456; 0.1817]	0.4%
Vitral et al, 2014	50	388	0.1289	[0.0972; 0.1663]	0.3%
Fogeda et al, 2012	25	2305	0.0108	[0.0070; 0.0160]	0.4%
Krumbholz et al, 2011	18	116	0.1552	[0.0946; 0.2341]	0.3%
Krumbholz et al, 2014	65	537	0.1210	[0.0947; 0.1517]	0.3%
Kantala et al, 2015	37	385	0.0961	[0.0686; 0.1300]	0.3%
Korzeniewski et al, 2018	13	253	0.0514	[0.0276; 0.0863]	0.3%
Matins et al, 2014	24	431	0.0557	[0.0360; 0.0817]	0.3%
Schielke et al, 2015	26	126	0.2063	[0.1394; 0.2875]	0.3%
Todys et al, 2015	206	1027	0.2006	[0.1765; 0.2264]	0.3%
Teixeira et al, 2017	106	804	0.1318	[0.1092; 0.1572]	0.3%
Galiana et al, 2008	4	97	0.0412	[0.0113; 0.1022]	0.3%
Krumbholz et al, 2014	16	1646	0.0097	[0.0056; 0.0157]	0.4%
Oliveira et al, 2017	4	352	0.0114	[0.0031; 0.0288]	0.3%
Kyvernitakis et al, 2015	12	115	0.1043	[0.0551; 0.1752]	0.3%
Random effects model		10238	0.0860	[0.0465; 0.1362]	5.2%
Heterogeneity: $I^2 = 98\%$, $\tau^2 = 0.0242$, $p < 0.01$					
Company = MP Diagnostics					
Verhoef et al, 2011	134	7072	0.0189	[0.0159; 0.0224]	0.4%
Vivek et al, 2010	330	2279	0.1448	[0.1306; 0.1599]	0.4%
Anita et al, 2014	22	148	0.1486	[0.0956; 0.2164]	0.3%
Houcine et al, 2012	37	687	0.0539	[0.0382; 0.0735]	0.3%
Jia et al, 2014	3721	15862	0.2346	[0.2280; 0.2413]	0.4%
Kaufmann et al, 2011	27	550	0.0491	[0.0326; 0.0706]	0.3%
Meader et al, 2008	10	413	0.0242	[0.0117; 0.0441]	0.3%
Chaussade et al, 2013	83	322	0.2578	[0.2109; 0.3092]	0.3%
Widasari et al, 2013	16	277	0.0578	[0.0334; 0.0921]	0.3%
Pathak et al, 2018	341	1369	0.2491	[0.2264; 0.2729]	0.4%
Bawazir et al, 2010	38	356	0.1067	[0.0767; 0.1436]	0.3%
Random effects model		29335	0.1075	[0.0455; 0.1915]	3.8%
Heterogeneity: $I^2 = 100\%$, $\tau^2 = 0.0400$, $p = 0$					
Company = Others					
Maria et al, 2006	96	1280	0.0750	[0.0612; 0.0908]	0.4%
Edward et al, 1997	571	757	0.7543	[0.7220; 0.7846]	0.3%
Azarkar et al, 2017	139	554	0.2509	[0.2153; 0.2892]	0.3%
Christensen et al,2018	293	906	0.3234	[0.2930; 0.3549]	0.3%
Abe et al, 2006	1720	5233	0.3287	[0.3160; 0.3416]	0.4%
Assarehzadegan et al, 2007	46	400	0.1150	[0.0854; 0.1504]	0.3%
Takahashi et al, 2004	28	249	0.1124	[0.0760; 0.1584]	0.3%
Takahashi et al, 2010	1167	22027	0.0530	[0.0501; 0.0560]	0.4%
Zhuang et al, 2014	113	486	0.2325	[0.1956; 0.2727]	0.3%
Takeda et al, 2010	431	12600	0.0342	[0.0311; 0.0375]	0.4%
Petrovi et al, 2014	30	200	0.1500	[0.1035; 0.2072]	0.3%
Tripathy et al, 2018	433	2447	0.1770	[0.1620; 0.1927]	0.4%
Quintana et al, 2005	11	209	0.0526	[0.0266; 0.0922]	0.3%
Sakata et al, 2008	45	1389	0.0324	[0.0237; 0.0431]	0.4%
Mor et al, 2015	77	729	0.1056	[0.0843; 0.1302]	0.3%
Villalba et al, 2014	47	469	0.1002	[0.0746; 0.1310]	0.3%
Toyoda et al, 2008	60	592	0.1014	[0.0782; 0.1285]	0.3%
Mohammad et al, 2017	139	450	0.3089	[0.2665; 0.3538]	0.3%
Yamada et al, 2015	160	868	0.1843	[0.1591; 0.2118]	0.3%
Peng et al, 1995	76	997	0.0762	[0.0605; 0.0945]	0.3%
Ren et al, 2013	2945	10741	0.2742	[0.2658; 0.2827]	0.4%
Pittaras et al, 2014	25	265	0.0943	[0.0620; 0.1361]	0.3%
Jahromi et al, 2013	26	477	0.0545	[0.0359; 0.0788]	0.3%
Fukuda et al, 2007	168	3185	0.0527	[0.0452; 0.0611]	0.4%
Cangin et al, 2018	377	7656	0.0492	[0.0445; 0.0543]	0.4%

Ditah et al, 2014	490	8814	0.0556	[0.0509; 0.0606]	0.4%
Paula et al, 2001	10	255	0.0392	[0.0190; 0.0709]	0.3%
Chiu et al, 2013	129	450	0.2867	[0.2453; 0.3309]	0.3%
Ding et al, 2003	15	533	0.0281	[0.0158; 0.0460]	0.3%
Chan et al, 2017	492	1539	0.3197	[0.2964; 0.3436]	0.4%
Abdelaal et al, 1995	100	593	0.1686	[0.1394; 0.2012]	0.3%
Amarapurkar et al, 2008	416	1163	0.3577	[0.3301; 0.3860]	0.4%
Grabow et al, 1994	16	782	0.0205	[0.0117; 0.0330]	0.3%
Ricco et al, 2016	9	199	0.0452	[0.0209; 0.0841]	0.3%
Puttini et al, 2015	12	132	0.0909	[0.0479; 0.1534]	0.3%
Pavia et al, 1998	3	360	0.0083	[0.0017; 0.0242]	0.3%
Raoofi et al, 2012	31	400	0.0775	[0.0533; 0.1082]	0.3%
Rahman et al, 2014	90	300	0.3000	[0.2487; 0.3553]	0.3%
Sabato et al, 2017	4	253	0.0158	[0.0043; 0.0400]	0.3%
Chen et al, 2012	2793	14208	0.1966	[0.1901; 0.2032]	0.4%
Love et al, 2018	6	291	0.0206	[0.0076; 0.0443]	0.3%
Lopes et al, 2017	78	300	0.2600	[0.2113; 0.3135]	0.3%
Karetny et al, 1995	37	1416	0.0261	[0.0185; 0.0358]	0.4%
Kotwal et al, 2014	712	4175	0.1705	[0.1592; 0.1823]	0.4%
Karetnyi et al, 1999	36	734	0.0490	[0.0346; 0.0673]	0.3%
Johargy et al, 2013	168	900	0.1867	[0.1617; 0.2137]	0.3%
Konomi et al, 1999	93	574	0.1620	[0.1328; 0.1948]	0.3%
Intharasongkroh et al, 2019	0	1019	0.0000	[0.0000; 0.0036]	0.3%
Nagler et al, 2014	143	997	0.1434	[0.1222; 0.1667]	0.3%
Liu et al, 2019	3419	10256	0.3334	[0.3242; 0.3426]	0.4%
Kuniholm et al, 2009	3916	18695	0.2095	[0.2037; 0.2154]	0.4%
Khounvisith et al, 2018	38	210	0.1810	[0.1313; 0.2398]	0.3%
Labrique et al, 2009	255	1134	0.2249	[0.2009; 0.2503]	0.4%
Kaba et al, 2010	57	490	0.1163	[0.0893; 0.1481]	0.3%
Chironna et al, 1999	20	526	0.0380	[0.0234; 0.0581]	0.3%
Rapicetta et al,1999	113	973	0.1161	[0.0967; 0.1380]	0.3%
Nübling et al, 2002	20	511	0.0391	[0.0241; 0.0598]	0.3%
Pilakasiri et al, 2009	44	381	0.1155	[0.0852; 0.1519]	0.3%
Bura et al, 2018	2	138	0.0145	[0.0018; 0.0514]	0.3%
Dremsek et al, 2012	132	853	0.1547	[0.1311; 0.1808]	0.3%
Eick et al, 2010	16	1500	0.0107	[0.0061; 0.0173]	0.4%
Bouwknegt et al, 2008	12	644	0.0186	[0.0097; 0.0323]	0.3%
Drobeniuc et al, 2001	63	255	0.2471	[0.1954; 0.3047]	0.3%
Sheikh et al, 2002	164	273	0.6007	[0.5400; 0.6593]	0.3%
Abe et al, 2004	62	341	0.1818	[0.1423; 0.2269]	0.3%
Aboulata et al, 2005	26	100	0.2600	[0.1774; 0.3573]	0.3%
Achwan et al, 2007	34	581	0.0585	[0.0409; 0.0808]	0.3%
Atabek et al, 2004	12	210	0.0571	[0.0299; 0.0977]	0.3%
Buti et al, 2008	57	1249	0.0456	[0.0347; 0.0587]	0.4%
Cevahir et al, 2013	23	185	0.1243	[0.0805; 0.1807]	0.3%
Davaalkham et al, 2009	3	520	0.0058	[0.0012; 0.0168]	0.3%
Ekanem et al, 2015	31	402	0.0771	[0.0530; 0.1077]	0.3%
Goto et al, 2006	9	344	0.0262	[0.0120; 0.0491]	0.3%
Hasan et al, 2016	33	123	0.2683	[0.1924; 0.3557]	0.3%
Mathur et al, 2001	545	2070	0.2633	[0.2444; 0.2828]	0.4%
Mohanavalli et al, 2002	16	185	0.0865	[0.0502; 0.1366]	0.3%
Sencan et al, 2003	34	476	0.0714	[0.0500; 0.0984]	0.3%
Shamsizadeh et al, 2009	48	566	0.0848	[0.0632; 0.1109]	0.3%
Sidal et al, 2001	19	909	0.0209	[0.0126; 0.0324]	0.3%
Bira et al, 2007	5	717	0.0070	[0.0023; 0.0162]	0.3%
Dong et al, 2007	2073	12052	0.1720	[0.1653; 0.1789]	0.4%
Ijaz et al, 2009	362	2731	0.1326	[0.1201; 0.1458]	0.4%
Héctor et al, 2017	1	127	0.0079	[0.0002; 0.0431]	0.3%
Serkan et al, 2005	27	386	0.0699	[0.0466; 0.1001]	0.3%
Dorcas et al, 2018	48	393	0.1221	[0.0914; 0.1587]	0.3%
Sonia et al, 2006	2046	2428	0.8427	[0.8276; 0.8569]	0.4%
Caron et al, 2008	119	840	0.1417	[0.1188; 0.1671]	0.3%
Caron et al, 2012	16	243	0.0658	[0.0381; 0.1047]	0.3%
Taha et al, 2015	80	397	0.2015	[0.1631; 0.2444]	0.3%
Cevrioglu et al, 2004	31	245	0.1265	[0.0876; 0.1748]	0.3%
Gad et al, 2011	68	116	0.5862	[0.4910; 0.6769]	0.3%
Adjei et al, 2009	16	157	0.1019	[0.0594; 0.1602]	0.3%
Huang et al, 2013	30	293	0.1024	[0.0702; 0.1429]	0.3%
Aubry et al, 1997	18	129	0.1395	[0.0848; 0.2115]	0.3%
Gambel et al, 1998	14	112	0.1250	[0.0701; 0.2008]	0.3%
Zhang et al, 2015	1352	6262	0.2159	[0.2058; 0.2263]	0.4%
Tashale et al, 2015	1081	13851	0.0780	[0.0736; 0.0826]	0.4%
Stramer et al, 2015	27	200	0.1350	[0.0909; 0.1903]	0.3%
Meng et al, 2001	73	400	0.1825	[0.1459; 0.2239]	0.3%
Lemos et al, 2000	16	1149	0.0139	[0.0080; 0.0225]	0.4%
Random effects model		203881	0.1243	[0.1017; 0.1489]	34.8%

Heterogeneity: $I^2 = 100\%$, $\tau^2 = 0.0327$, $p = 0$



Study	Events	Total	Proportion	95% CI	Weight
Company = Wantai					
Chang et al, 2009	522	2572	0.2030	[0.1876; 0.2190]	0.4%
Geng et al, 2011	538	2682	0.2006	[0.1856; 0.2163]	0.4%
Yuan et al, 2017	268	1200	0.2233	[0.2001; 0.2480]	0.4%
Chen et al, 2019	799	4044	0.1976	[0.1854; 0.2102]	0.4%
Guo et al, 2009	14610	44816	0.3260	[0.3217; 0.3304]	0.4%
Halliday et al, 2014	120	1048	0.1145	[0.0959; 0.1354]	0.3%
Baylis et al, 2012	1	165010	0.0000	[0.0000; 0.0000]	0.4%
Yoon et al, 2014	144	2450	0.0588	[0.0498; 0.0688]	0.4%
O'Riordan et al, 2016	57	1076	0.0530	[0.0404; 0.0681]	0.3%
Spada et al, 2018	869	10011	0.0868	[0.0814; 0.0925]	0.4%
Nasrallah et al, 2017	1198	5854	0.2046	[0.1944; 0.2152]	0.4%
Nouhin et al, 2016	85	301	0.2824	[0.2322; 0.3369]	0.3%
Castilho et al, 2017	49	500	0.0980	[0.0734; 0.1275]	0.3%
Mooij et al, 2018	648	2100	0.3086	[0.2889; 0.3288]	0.4%
Lafeber et al, 2017	666	2422	0.2750	[0.2573; 0.2932]	0.4%
Nouhin et al, 2018	829	2004	0.4137	[0.3920; 0.4356]	0.4%
Slot et al, 2013	1401	5239	0.2674	[0.2555; 0.2796]	0.4%
Meldal et al, 2013	11	239	0.0460	[0.0232; 0.0809]	0.3%
Wenzel et al, 2014	929	2184	0.4254	[0.4045; 0.4464]	0.4%
Wang et al, 2017	2682	9069	0.2957	[0.2864; 0.3052]	0.4%
Castilho et al, 2016	30	300	0.1000	[0.0685; 0.1397]	0.3%
Zhu et al, 2008	1289	4654	0.2770	[0.2641; 0.2901]	0.4%
Sadik et al, 2016	459	1199	0.3828	[0.3552; 0.4110]	0.4%
Yang et al, 2014	473	2028	0.2332	[0.2150; 0.2523]	0.4%
Zhu et al, 2014	152061	400162	0.3800	[0.3785; 0.3815]	0.4%
Thom et al, 2017	104	2311	0.0450	[0.0369; 0.0543]	0.4%
Shrestha et al, 2016	773	1845	0.4190	[0.3963; 0.4419]	0.4%
Sauleda et al, 2014	1996	9998	0.1996	[0.1918; 0.2076]	0.4%
Schreuder et al, 2016	25	600	0.0417	[0.0271; 0.0609]	0.3%
Niederhauser et al, 2017	737	3609	0.2042	[0.1912; 0.2177]	0.4%
Hewitt et al, 2018	98	1013	0.0967	[0.0792; 0.1166]	0.3%
Alberts et al, 2018	190	7065	0.0269	[0.0232; 0.0309]	0.4%
Grabarczyk et al, 2018	1340	3079	0.4352	[0.4176; 0.4529]	0.4%
Fischer et al, 2014	163	1203	0.1355	[0.1166; 0.1561]	0.4%
Feng et al, 2018	1273	1912	0.6658	[0.6441; 0.6869]	0.4%
Fearon et al, 2017	241	4102	0.0588	[0.0517; 0.0664]	0.4%
Harvala et al, 2018	42	480	0.0875	[0.0638; 0.1164]	0.3%
Cleland et al, 2013	73	1559	0.0468	[0.0369; 0.0585]	0.4%
Cai et al, 2016	1842	3337	0.5520	[0.5349; 0.5690]	0.4%
Dimeglio et al, 2018	23	300	0.0767	[0.0492; 0.1128]	0.3%
Hardtke et al, 2018	91	408	0.2230	[0.1836; 0.2666]	0.3%
Hogema et al, 2016	11	45	0.2444	[0.1288; 0.3954]	0.3%
Hickey et al, 2016	16	198	0.0808	[0.0469; 0.1279]	0.3%
Madden et al, 2016	324	1161	0.2791	[0.2534; 0.3058]	0.4%
Mansuy et al, 2016	2371	10569	0.2243	[0.2164; 0.2324]	0.4%
Lucarelli et al, 2016	153	313	0.4888	[0.4322; 0.5457]	0.3%
Lange et al, 2016	177	1263	0.1401	[0.1215; 0.1605]	0.4%
Liang et al, 2014	129	307	0.4202	[0.3644; 0.4776]	0.3%
Marcantonio et al, 2018	10	198	0.0505	[0.0245; 0.0909]	0.3%
Ma et al, 2010	407	2090	0.1947	[0.1780; 0.2124]	0.4%
Mansuy et al, 2015	1310	3353	0.3907	[0.3741; 0.4074]	0.4%
Izopet et al, 2015	1083	2538	0.4267	[0.4074; 0.4462]	0.4%
Li et al, 2011	69	173	0.3988	[0.3253; 0.4759]	0.3%
Li et al, 2014	197	1638	0.1203	[0.1049; 0.1370]	0.4%
Juhl et al, 2017	70	449	0.1559	[0.1236; 0.1928]	0.3%
Katiyar et al, 2018	383	633	0.6051	[0.5658; 0.6434]	0.3%
Juhl et al, 2014	69	1019	0.0677	[0.0531; 0.0849]	0.3%
Mahrt et al, 2018	679	3000	0.2263	[0.2115; 0.2417]	0.4%
Kang et al, 2017	121	600	0.2017	[0.1703; 0.2360]	0.3%
Li et al, 2006	3154	7284	0.4330	[0.4216; 0.4445]	0.4%
Jablonka et al, 2017	122	604	0.2020	[0.1707; 0.2363]	0.3%
Azman et al, 2017	154	206	0.7476	[0.6825; 0.8054]	0.3%
Cui et al, 2016	228	1028	0.2218	[0.1967; 0.2485]	0.3%
Tabili et al, 2013	23	103	0.2233	[0.1471; 0.3160]	0.3%
Zeng et al, 2014	26	513	0.0507	[0.0334; 0.0734]	0.3%
Yu et al, 2009	841	3994	0.2106	[0.1980; 0.2235]	0.4%
Zhang et al, 2017	236	600	0.3933	[0.3540; 0.4337]	0.3%
Dalton et al, 2017	11	464	0.0237	[0.0119; 0.0420]	0.3%
Cong et al, 2014	208	890	0.2337	[0.2063; 0.2629]	0.3%
Meng et al, 2015	174	1500	0.1160	[0.1002; 0.1333]	0.4%
Toole et al, 2006	132	426	0.3099	[0.2662; 0.3562]	0.3%
Lu et al, 2009	1547	8762	0.1766	[0.1686; 0.1847]	0.4%
Li et al, 2019	139	946	0.1469	[0.1250; 0.1711]	0.3%
Lee et al, 2013	2	100	0.0200	[0.0024; 0.0704]	0.3%
Christophe et al, 2004	24	315	0.0762	[0.0494; 0.1112]	0.3%
Rui et al, 2018	49	225	0.2178	[0.1657; 0.2775]	0.3%
Niguse et al, 2018	359	846	0.4243	[0.3908; 0.4585]	0.3%
Abebe et al, 2017	122	386	0.3161	[0.2700; 0.3650]	0.3%
Xu et al,2013	364	1939	0.1877	[0.1706; 0.2058]	0.4%
Katrina et al,2018	104	1714	0.0607	[0.0498; 0.0730]	0.4%
Random effects model		778377	0.2072	[0.1523; 0.2680]	27.9%
Heterogeneity: I^2 = 100%, τ^2 = 0.1062, p = 0					
Random effects model		**1099717**	**0.1247**	**[0.1042; 0.1467]**	**100.0%**
Heterogeneity: I^2 = 100%, τ^2 = 0.0769, p = 0					
Residual heterogeneity: I^2 = 100%, p = 0					

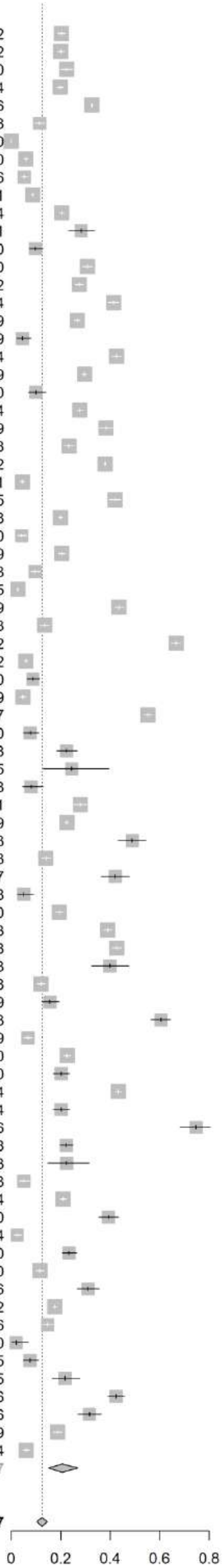


Figure S41. Funnel plot for anti-HEV IgG seroprevalence among general population.

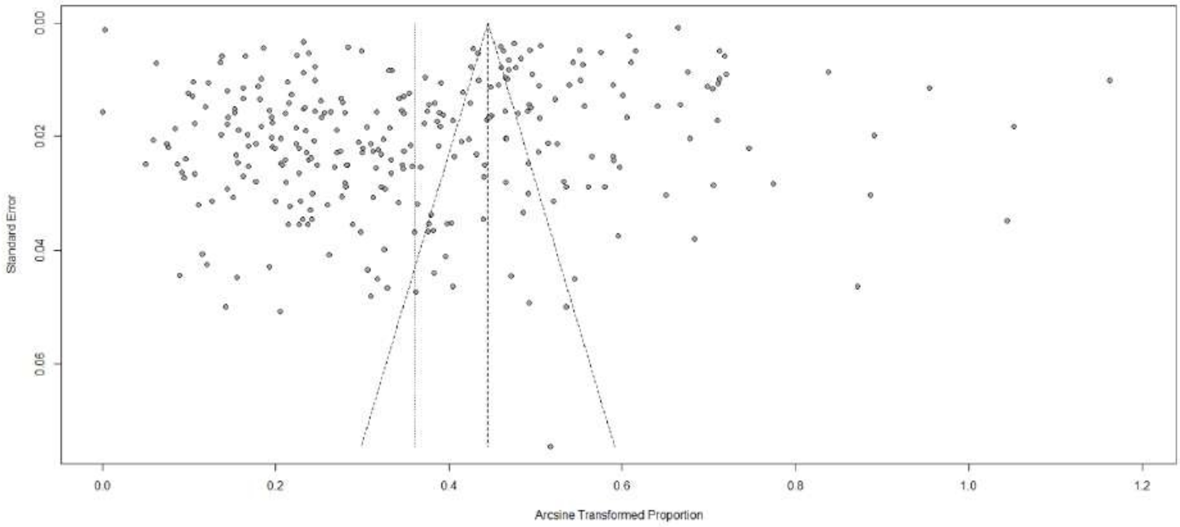


Figure S42. Egger plot for anti-HEV IgG seroprevalence among general population.

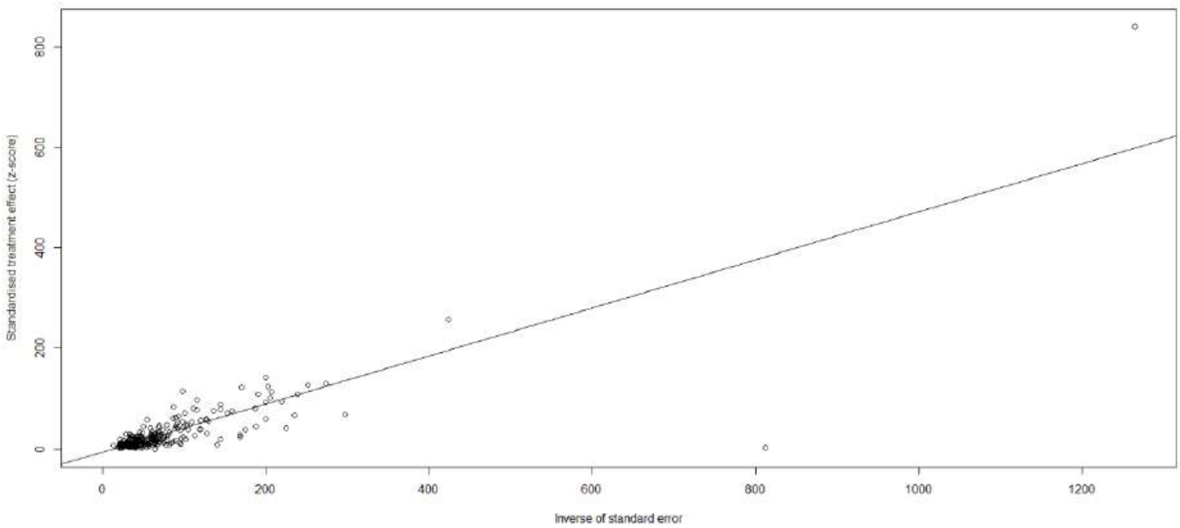


Table S1. Score of studies evaluated by JBI Critical Appraisal Tools.

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 sample?

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 managed appropriately?

Study	1	2	3	4	5	6	7	8	9	Score
Legrand-Abravanel et al,2011	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Haagsma et al,2009	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Hoerning et al,2012	✓	?	✓	?	✓	✓	?	✓	✓	6
Pischke et al,2010	✓	✓	✓	?	✓	✓	✓	✓	✓	8
Halac et al,2012	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Rostamzadeh et al,2011	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Pischke et al, 2012	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Scotto et al,2015	✓	?	✓	✓	✓	✓	?	✓	✓	7
Pisano et al,2017	✓	✓	✓	✓	✓	✓	?	✓	✓	7
Nanmoku et al,2019	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Unzueta et al,2016	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Naik et al,2013	✓	?	✓	-	✓	✓	?	✓	✓	6
Moal et al,2013	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Koning et al,2015	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Inagaki et al,2015	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Mallet et al,2018	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
de Oliveira et al,2018	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Buffaz et al, 2014	✓	?	✓	✓	✓	✓	?	✓	✓	7
Abravanel et al,2014	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Pas et al,2012	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Riezebos-Brilman et al,2013	✓	✓	✓	-	✓	✓	?	✓	✓	7
Passos et al,2013	✓	?	✓	✓	✓	✓	?	✓	✓	7
Ankcorn et al,2018	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Kamar et al,2008	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Moal et al,2013	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Lim et al,2018	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Buti et al,2010	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Laverdure et al, 2015	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Magnusson et al,2015	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Lee et al,2005	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Psichogiou et al,1996	✓	✓	✓	-	✓	✓	✓	✓	✓	8
Dalekos et al,1998	✓	?	✓	×	✓	✓	✓	✓	✓	7
Abdel et al,1998	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Harrison et al,2013	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Ding et al,2003	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Mitsui et al,2006	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Ben-Ayed et al,2015	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Ricco et al,2016	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Chen et al,2016	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Knodler et al,1994	✓	✓	✓	-	✓	✓	?	✓	✓	7
Buti et al,1995	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Cengiz et al,1996	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Parana et al,1997	✓	✓	✓	✓	✓	✓	?	✓	✓	8

Arinsoy et al,1998	✓	?	✓	-	✓	✓	?	✓	✓	7
Mateos et al,1999	✓	?	✓	✓	✓	✓	?	✓	✓	7
Trinta et al,2001	✓	✓	✓	×	✓	✓	?	✓	✓	7
Alavian et al, 2015	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Halfon et al,1994	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Kikuchi et al, 2006	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Sylvan et al,1998	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Taremi et al,2005	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Zekavat et al,2013	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Ayoola et al,2015	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Javani et al,2015	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Fabrizi et al,1997	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Irshad et al,2002	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Gessoni et al,1998	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Stefanidis et al,2004	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Mobaien et al,2013	✓	✓	✓	×	✓	✓	?	✓	✓	7
Yong et al,2014	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Maylin et al,2012	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Politou et al,2015	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Kenfak-Foguena et al,2011	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Keane et al,2012	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Ng et al,2000	✓	?	✓	✓	✓	✓	?	✓	✓	7
Feldt et al,2013	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Ethakovic et al,2014	✓	✓	✓	-	✓	✓	?	✓	✓	7
Renou et al, 2010	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Mateos-Lindemann et al,2014	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Caron et al,2012	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Riveiro-Barciela et al,2014	✓	?	✓	✓	✓	✓	?	✓	✓	7
Sellier et al,2011	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Hassing et al,2014	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Nouhin et al,2015	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Crum-Cianflone et al,2012	✓	✓	✓	-	✓	✓	✓	✓	✓	8
Fainboim et al,1999	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Zeng et al,2017	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Shrestha et al,2017	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Kaba et al,2011	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Rivero-Juarez et al, 2015	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Scotto et al,2015	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Joulaei et al,2015	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Pineda et al,2014	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Sherman et al,2014	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Vazquez-Moron et al,2019	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Jardi et al,2012	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Shimizu et al, 2016	✓	✓	✓	✓	✓	✓	✓	✓	✓	9

Zhou et al,2018	✓	×	✓	✓	✓	✓	?	✓	✓	7
Rivero-Juarez et al,2017	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Ramezani et al,2013	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Pischke et al,2010	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Balayan et al,1997	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Boon et al,2018	✓	?	✓	✓	✓	✓	?	✓	✓	7
Ferreira et al,2018	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Harritshoj et al,2018	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Bura et al,2017	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Abravanel et al,2017	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Bezerra et al,2019	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Madejon et al, 2009	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Salvio et al,2018	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Pischke et al,2015	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Kuniholm et al,2016	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Demi et al,2018	✓	✓	×	✓	✓	✓	✓	✓	✓	8
Enayatollah et al,2018	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Oladipo et al,2015	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Kantala et al, 2009	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Khuroo et al,1994	✓	?	✓	✓	✓	✓	?	✓	✓	7
Yang et al, 2019	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Pischke et al,2014	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Psichogiou et al,1995	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Siripanyaphinyo et al,2014	✓	×	✓	✓	✓	✓	?	✓	✓	7
Schulz et al,2016	✓	✓	✓	×	✓	✓	?	✓	✓	7
Ramalingam et al,2013	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Divizia et al,1999	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Al-Knawy et al,1997	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Cacciola et al,2011	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Bayram et al,2007	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Chandra et al, 2014	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Freitas et al,2016	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Goumba et al,2011	✓	?	✓	×	✓	✓	✓	✓	✓	7
Gupta et al,2018	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Hyams et al,1996	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Coursaget et al,1998	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Shrestha et al,2003	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Mohammad et al,2007	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Guilherme et al,2018	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Perez-Gracia et al, 2004	✓	✓	✓	✓	✓	✓	?	✓	✓	8
J.-F. TSAI et al,1994	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Tsatsralt-Od et al,2016	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Chandra et al, 2012	✓	✓	✓	×	✓	✓	✓	✓	✓	8
Fridmana et al,2016	✓	✓	✓	✓	✓	✓	✓	✓	✓	9

Albetkova et al,2007	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Koot et al,2015	✓	?	✓	✓	✓	✓	?	✓	✓	7
Kumar et al,2007	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Joon et al,2015	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Kantala et al,2017	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Kang et al,2017	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Meader et al,2010	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Engle et al, 2002	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Meng et al,2002	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Zheng et al,2006	✓	✓	✓	?	✓	✓	?	✓	✓	7
Hinjoy et al,2013	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Utsumi et al,2011	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Silva et al,2012	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Traore et al,2015	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Ivanova et al,2015	✓	?	✓	×	✓	✓	✓	✓	✓	7
Caruso et al,2017	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Masia et al, 2009	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Mughini-Gras et al,2017	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Vivek et al,2011	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Lee et al,2013	✓	✓	✓	✓	✓	✓	?	✓	✓	8
De Sabato et al,2017	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Zhang et al,2017	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Yu et al,2013	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Chaussade et al,2013	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Widasari 2013	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Drobeniuc et al,2001	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Bouwknegt et al,2008	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Galiana et al,2008	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Olsen et al,2006	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Withers et al,2002	✓	✓	✓	?	✓	✓	?	✓	✓	7
Lucarelli et al, 2016	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Verhoef et al,2012	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Lafeber et al, 2017	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Love et al,2018	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Lange et al,2017	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Liang et al, 2014	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Krumbholz et al,2012	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Tritz et al,2018	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Krumbholz et al,2014	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Tabibi et al,2013	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Alvarado-Esquivel et al,2014	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Cong et al,2014	✓	?	✓	×	✓	✓	?	✓	✓	6
Abebe et al,2017	✓	✓	✓	✓	✓	✓	?	✓	✓	8

Rey et al,1997	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Martinez et al, 2014	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Munne et al,2014	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Moaven et al,1995	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Lagler et al,2014	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Fischer et al, 2015	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Rahman et al,2014	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Labrique et al,2009	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Sheikh et al, 2002	✓	✓	✓	✓	✓	✓	?	✓	✓	8
De Paschale et al, 2016	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Dell'Amico et al,2011	✓	?	✓	✓	✓	✓	?	✓	✓	7
Konomi et al,1999	✓	✓	✓	×	✓	✓	?	✓	✓	7
Gandolfo et al,2003	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Bartoloni et al,1999	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Leon et al, 1999	✓	✓	✓	✓	✓	✓	?	✓	✓	8
de Paula et al,2001	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Passos-Castilho et al,2016	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Goncales et al,2000	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Vitral et al,2014	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Santos et al,2002	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Hardtke et al,2018	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Martins et al,2014	✓	✓	✓	?	✓	✓	?	✓	✓	7
Bortoliero et al,2006	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Pavel et al,2014	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Traore et al,2012	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Aubry et al,1997	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Fearon et al, 2017	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Nouhin et al,2016	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Nouhin et al,2018	✓	✓	✓	?	✓	✓	✓	✓	✓	8
Yamada et al,2015	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Wong et al,2004	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Zhuang et al,2014	✓	✓	✓	✓	✓	✓	?	✓	✓	9
Wang et al,2017	✓	✓	✓	✓	✓	✓	?	✓	✓	9
Chiu et al,2013	✓	✓	✓	✓	✓	✓	?	✓	✓	9
Chang et al,2009	✓	?	✓	✓	✓	✓	?	✓	✓	7
Chen et al,2019	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Guo et al,2010	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Yang et al,2014	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Peng et al,1995	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Jia et al,2014	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Li et al,2011	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Li et al,2014	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Lee et al,1994	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Liu et al,2019	✓	✓	✓	✓	✓	✓	?	✓	✓	8

Cui et al,2016	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Zeng et al, 2017	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Cheng et al,2007	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Meng et al,2015	✓	✓	✓	-	✓	✓	?	✓	✓	7
Toole et al,2006	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Dong et al,2007	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Geng et al,2011	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Zhu et al,2008	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Zhu et al, 2014	✓	✓	✓	-	✓	✓	✓	✓	✓	8
Ren et al,2014	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Cai et al,2017	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Feng et al,2018	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Chan et al,2017	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Chen et al,2012	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Ma et al,2006	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Li et al,2006	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Lu et al, 2009	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Li et al,2019	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Zhilian et al,2018	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Huang et al, 2013	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Ibarra et al,1994	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Strakova et al,2014	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Quintana et al,2005	✓	✓	✓	-	✓	✓	?	✓	✓	7
Villalba et al,2010	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Lemos et al,2000	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Christensen et al,2008	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Langer et al,1997	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Dimeglio et al, 2018	✓	?	✓	-	✓	✓	?	✓	✓	6
Boutrouille et al,2007	✓	?	✓	✓	✓	✓	?	✓	✓	7
Mansuy et al,2016	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Mansuy et al,2015	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Kaba et al,2010	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Takahashi et al,2004	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Takeda et al,2010	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Sakata et al,2008	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Toyoda et al,2008	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Mitsui et al,2005	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Goto et al,2006	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Fukuda et al, 2007	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Gambel et al,1998	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Kamel et al,1995	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Aboulata et al, 2005	✓	✓	✓	?	✓	✓	?	✓	✓	7
Hasan et al,2016	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Fix et al,2000	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Stoszek et al,2006	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Gad et al, 2011	✓	✓	✓	✓	✓	✓	?	✓	✓	8

Wenzel et al,2014	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Juhl et al,2018	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Mahrt et al,2018	✓	?	✓	✓	✓	✓	✓	✓	✓	8
Jablonka et al,2015	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Schielke et al,2015	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Dremsek et al, 2012	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Meldal et al,2013	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Adjei et al,2009	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Talarmin et al,1997	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Tripathy et al,2019	✓	✓	✓	?	✓	✓	✓	✓	✓	8
Vivek et al,2010	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Kotwal et al,2014	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Katiyar et al, 2018	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Pathak et al,2017	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Mathur et al,2001	✓	?	✓	✓	✓	✓	✓	✓	✓	8
Achwan et al,2007	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Ehteram et al,2013	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Farshadpour et al,2015	✓	✓	✓	×	✓	✓	✓	✓	✓	8
Assarehzadegan et al,2008	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Mohebbi et al,2012	✓	?	✓	✓	✓	✓	?	✓	✓	7
Sotoodeh et al,2013	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Ataei et al, 2009	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Hesamizadeh et al,2016	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Sepanlou et al,2010	✓	?	✓	✓	✓	✓	?	✓	✓	7
Raoofi et al, 2012	✓	?	✓	✓	✓	✓	?	✓	✓	7
Jahanbakhsh et al,2017	✓	?	✓	✓	×	✓	?	✓	✓	6
Saffar et al,2009	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Hickey et al,2016	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
O'Riordan et al,2016	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Karetnyi et al, 1995	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Lachish et al, 2013	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Mor et al, 2015	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Spada et al,2018	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Gessoni et al, 1996	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Puttini et al,2015	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Pavia et al,1998	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Zuin et al, 2017	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Scotto et al, 2012	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Marcantonio et al,2019	✓	✓	✓	✓	?	✓	✓	✓	✓	8
Lanini et al,2015	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Rapicetta et al,1999	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Alecci et al,1997	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Obaidat et al,2018	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Cainelli et al, 2018	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Ahn et al,2005	✓	✓	✓	✓	✓	✓	?	✓	✓	8

Yoon et al,2014	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Yun et al, 2011	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Chironna et al,2001	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Khounvisith et al,2018	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Alvarez-Munoz et al,1999	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Baptista-Gonzalez et al,2017	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Alvarado-Esquivel et al,2015	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Davaalkham et al,2009	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Tsatsralt-Od et al,2007	✓	✓	✓	-	✓	✓	✓	✓	✓	9
Terzic et al, 2015	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Taha et al,2015	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Halliday et al,2014	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Abe et al, 2006	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Baylis et al,2012	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Minuk et al, 2007	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Izopet et al,2015	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Schreuder et al, 2016	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Clayson et al,1997	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Shrestha et al,2016	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Mooij et al,2018	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Slot et al, 2013	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Sadik et al,2016	✓	✓	✓	×	✓	✓	✓	✓	✓	8
Hogema et al,2016	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Alberts et al, 2018	✓	?	✓	✓	✓	✓	✓	✓	✓	8
Hewitt et al,2018	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Ekanem et al,2015	✓	✓	✓	✓	✓	✓	?	✓	✓	8
O. A Adesina et al,2009	✓	?	✓	✓	✓	✓	?	✓	✓	7
Perez 1996	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Grabarczyk et al,2018	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Korzeniewski et al,2018	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Sadkowska-Todys et al,2015	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Bura et al,2018	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Nascimento et al,2018	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Teixeira et al,2017	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Oliveira et al,2017	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Nasrallah et al, 2017	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Abe et al,2004	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Anita et al,2014	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Arif et al,1994	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Johargy et al, 2013	✓	?	✓	✓	✓	✓	?	✓	✓	7
Abdelaal et al,1998	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Petrovic et al,2014	✓	✓	✓	✓	✓	✓	?	✓	✓	8

Chow et al,1997	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Grabow et al, 1994	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Madden et al,2016	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Lopes et al,2017	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Azman et al,2017	✓	✓	✓	-	✓	✓	?	✓	✓	7
Fogeda et al,2012	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Bernal 1995	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Mateos et al,1998	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Buti et al,2013 2008	✓	✓	✓	?	✓	✓	?	✓	✓	7
Buti et al,2006	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Sauleda et al, 2015	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Kaufmann et al,2011	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Lavanchy et al,1994	✓	✓	✓	-	✓	✓	✓	✓	✓	8
Jeggli et al,2004	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Niederhauser et al,2018	✓	?	✓	✓	✓	✓	✓	✓	✓	8
Poovorawan et al,1996	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Intharasongkroh et al,2019	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Pilakasiri et al,2009	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Mohanavalli et al,2003	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Houcine et al,2012	✓	?	✓	✓	✓	✓	?	✓	✓	7
Colak et al,2002	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Bayhan et al,2016	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Atabek et al,2004	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Kaya et al,2008	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Sencan et al,2004	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Sidal et al,2001	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Dilek et al,2003	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Nural et al,2013	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Oncu et al,2006	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Cevrioglu et al,2004	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Miller et al,1998	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Cangin et al, 2019	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Karetnyi et al,1999	✓	✓	✓	×	✓	✓	✓	✓	✓	8
Kuniholm et al,2009	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Eick et al,2010	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Ditah et al,2014	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Zhang et al,2015	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Kyvernitakis 2015	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Xu et al,2013	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Stramer et al,2016	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Teshale et al, 2015	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Cleland et al, 2013	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Thom et al,2018	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Dalton et al,2017	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Harvala et al,2019	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Ijaz et al,2009	✓	✓	✓	✓	✓	✓	?	✓	✓	8

Pujol et al,1994	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Corwin et al,1996	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Hau et al,1999	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Bawazir et al, 2010	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Maitrey et al,2014	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Gupta et al,2015	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Sadaf et al,2015	✓	✓	✓	?	-	✓	?	✓	✓	6
Ifeorah et al, 2017	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Adeola et al,2018	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Kumar et al,2001	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Hoad et al,2017	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Harritshoj et al, 2016	✓	✓	✓	✓	✓	✓	?	✓	✓	8
Vollmer et al,2012	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Arankalle et al,2002	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
La Fauci et al,2017	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Minagi et al,2016	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Riezebos-Brilman et al,2013	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Rivero-Juarez et al,2019	✓	✓	✓	✓	✓	✓	✓	✓	✓	9
Hewitt et al,2014	✓	✓	✓	✓	✓	✓	✓	✓	✓	9

Meaning of symbol ✓ Yes × No ? Not clear -Not applicable

Table S2. Distribution of HEV genotypes 1-4 in different countries.

Name	Country	HEV-1	HEV-2	HEV-3	HEV-4	Subgroup
Fischer et al, 2015	Austria			7		General population
Dell'Amico et al, 2011	Bolivia			4		General population
Passos et al, 2013	Brazil			3		Transplant
Nouhin et al, 2016	Cambodia			1		General population
Yamada et al, 2015	Cambodia			1	1	General population
Halac et al, 2012	Canada			5		Transplant
Zhu et al, 2008	China				15	General population
Ren et al, 2014	China				3	General population
Ma et al, 2010	China				23	General population
Li et al, 2006	China	1			23	General population
Li et al, 2019	China				1	General population
Rui et al, 2018	China				4	General population
Yu et al, 2009	China				30	General population
Chen et al, 2019	China				4	General population
Yang et al, 2014	China				12	General population
Li et al, 2011	China				1	General population
Li et al, 2014	China				10	General population
Dong et al, 2007	China				25	General population
Zhu et al, 2014	China	5			72	General population
Zheng et al, 2006	China	4		27		Occupational
Vallalba et al, 2012	Cuba			3		Occupational
Harritshoj et al, 2016	Denmark			2		General population
Kantala et al, 2009	Finland	5				Hepatitis
Mansuy et al, 2004	France			16		General population
Kaba et al, 2010	France			1		General population
Kaba et al, 2011	France			1		HIV
Moal et al, 2012	France			17		Transplant
Dremsek et al, 2012	Germany			4		Occupational population
Schielke et al, 2015	Germany			1		Occupational population
Hoerning et al, 2012	Germany			3		Transplant
Pischke et al, 2010	Germany			3		Transplant
Voller et al, 2012	Germany			13		General population
Tripathy et al, 2019	India	2				General population
Pathak et al, 2017	India	22				General population
Persa et al, 2016	Iran	7				General population
O'Riordan et al,2016	Ireland			3		General population
Lucarelli et al, 2016	Italy			3		General population
Marcantonio et al, 2019	Italy			1		General population
Inagaki et al, 2015	Japan			2		Transplant
Fukuda et al, 2007	Japan			8	3	General population
Sakata et al, 2008	Japan			19	4	General population
Takahashi et al, 2010	Japan			3		General population
Minagi et al, 2016	Japan			36		General population
Ahn et al, 2005	Korea			14		General population
Tsatsralt et al, 2016	Mongolia				12	Hepatitis
Abe et al, 2006	Nepal	3				General population
Shrestha et al, 2003	Nepal	48				Hepatitis
Slot et al, 2013	Netherlands			16		General population
Hogema et al, 2016	Netherlands			17		General population
Suzan et al, 2012	Netherlands			11		Transplant
Brilman et al, 2012	Netherlands			10		Transplant
Koot et al, 2015	Netherlands	4		50		Hepatitis
Grabarczyk et al, 2018	Poland			3		General population

Anita et al, 2014	Romania		6	General population
Sauleda et al, 2014	Spain		3	General population
Jardi et al, 2012	Spain		3	HIV
Foguena et al, 2011	Switzerland		1	HIV
Intharasongkroh et al, 2018	Thailand		3	General population
Siripanyaphinyo et al, 2014	Thailand		5	Hepatitis
Albetkova et al, 2007	Turkmenistan	25		Hepatitis
Harvala et al, 2018	UK		479	General population
Hewitt et al, 2014	UK		79	General population
Cleland et al, 2013	UK		1	General population
Thom et al, 2018	UK		10	General population
Ramalingam et al, 2013	UK		7	Hepatitis
Mark et al, 2015	USA		3	HIV

Table S3. Sensitivity analysis in seroepidemiology of anti-HEV IgG in general population

Study	Prevalence	Lower	Upper
Chang et al, 2009	0.1242	0.1037	0.1464
Geng et al, 2011	0.1242	0.1037	0.1464
Yuan et al, 2017	0.1242	0.1036	0.1463
Maria et al, 2006	0.1247	0.1041	0.1468
Chen et al, 2019	0.1242	0.1037	0.1464
Edward et al, 1997	0.1229	0.1025	0.1449
Corwin et al, 1996	0.1244	0.1039	0.1466
Hassan et al, 2013	0.1244	0.1039	0.1465
Fatemeh et al, 2014	0.1236	0.1031	0.1456
Guo et al, 2009	0.1239	0.1030	0.1464
Halliday et al, 2014	0.1245	0.1039	0.1467
Ahn et al, 2005	0.1244	0.1039	0.1466
Azarkar et al, 2017	0.1241	0.1036	0.1462
Boutrouille et al, 2007	0.1249	0.1043	0.1471
Cainelli et al, 2018	0.1248	0.1042	0.1469
Christensen et al,2018	0.1239	0.1034	0.1460
Abe et al, 2006	0.1239	0.1033	0.1460
Baylis et al, 2012	0.1254	0.1096	0.1420
Assarehzadegan et al, 2007	0.1245	0.1039	0.1466
Dell'Amico et al, 2011	0.1246	0.1040	0.1467
Yoon et al, 2014	0.1247	0.1042	0.1469
Takahashi et al, 2004	0.1245	0.1040	0.1467
Takahashi et al, 2010	0.1248	0.1041	0.1471
O'Riordan et al, 2016	0.1248	0.1042	0.1469
Spada et al, 2018	0.1246	0.1040	0.1469
Nasrallah et al, 2017	0.1242	0.1036	0.1464
Moaven et al, 1995	0.1249	0.1043	0.1471
Zhuang et al, 2014	0.1241	0.1036	0.1463
Nascimento et al, 2016	0.1243	0.1038	0.1465
Takeda et al, 2010	0.1249	0.1043	0.1471
Minuk et al, 2007	0.1249	0.1043	0.1471
Nouhin et al, 2016	0.1240	0.1035	0.1461
Verhoef et al, 2011	0.1250	0.1044	0.1472
Castilho et al, 2017	0.1246	0.1040	0.1467
Mooij et al, 2018	0.1239	0.1034	0.1461
Lafeber et al, 2017	0.1240	0.1035	0.1462
Yun et al, 2011	0.1246	0.1040	0.1467
Olcay et al, 2003	0.1247	0.1041	0.1469
Rapicetta et al, 1999	0.1250	0.1044	0.1472
Nouhin et al, 2018	0.1237	0.1032	0.1458
Slot et al, 2013	0.1240	0.1035	0.1462
Straková et al, 2016	0.1248	0.1042	0.1469
Wong et al, 2004	0.1243	0.1037	0.1464
Meldal et al, 2013	0.1248	0.1042	0.1470
Wenzel et al, 2014	0.1237	0.1032	0.1457
Petrovi et al, 2014	0.1244	0.1038	0.1465
Wang et al, 2017	0.1240	0.1034	0.1462
Tripathy et al, 2018	0.1243	0.1037	0.1465
Quintana et al, 2005	0.1248	0.1042	0.1469
Taremi et al, 2007	0.1247	0.1041	0.1468
Castilho et al, 2016	0.1246	0.1040	0.1467
Vivek et al, 2010	0.1244	0.1038	0.1466
Zhu et al, 2008	0.1240	0.1035	0.1462
Sakata et al, 2008	0.1249	0.1043	0.1471
Sadik et al, 2016	0.1238	0.1033	0.1458
Mohebbi et al, 2012	0.1246	0.1040	0.1467
Yang et al, 2014	0.1241	0.1036	0.1463
Zhu et al, 2014	0.1238	0.1052	0.1436
Thom et al, 2017	0.1248	0.1042	0.1470
Mor et al, 2015	0.1245	0.1040	0.1467
Villalba et al, 2014	0.1246	0.1040	0.1467
Toyoda et al, 2008	0.1246	0.1040	0.1467
Shrestha et al, 2016	0.1237	0.1032	0.1458
Mohammad et al, 2017	0.1239	0.1034	0.1460
Yamada et al, 2015	0.1243	0.1037	0.1464
Vitral et al, 2014	0.1245	0.1039	0.1466
Peng et al, 1995	0.1247	0.1041	0.1468
Talarmin et al, 1997	0.1247	0.1041	0.1469
Sauleda et al, 2014	0.1242	0.1036	0.1465
Ren et al, 2013	0.1240	0.1034	0.1463
Santos et al, 2002	0.1249	0.1044	0.1471
Miller et al, 1998	0.1252	0.1046	0.1474
Parsa et al, 2016	0.1247	0.1041	0.1468

Pittaras et al, 2014	0.1246	0.1040	0.1467
Schreuder et al, 2016	0.1248	0.1042	0.1470
Jahromi et al, 2013	0.1248	0.1042	0.1469
Niederhauser et al, 2017	0.1242	0.1036	0.1464
Teoharov et al, 2014	0.1246	0.1040	0.1467
Bortoliero et al, 2006	0.1250	0.1044	0.1471
Hewitt et al, 2018	0.1246	0.1040	0.1467
Alberts et al, 2018	0.1249	0.1043	0.1471
Grabarczyk et al, 2018	0.1236	0.1031	0.1457
Gessoni et al, 1996	0.1249	0.1043	0.1471
Fukuda et al, 2007	0.1248	0.1042	0.1469
Fogeda et al, 2012	0.1251	0.1045	0.1472
Fischer et al, 2014	0.1244	0.1039	0.1466
Feng et al, 2018	0.1231	0.1027	0.1451
Fearon et al, 2017	0.1247	0.1041	0.1469
Harvala et al, 2018	0.1246	0.1040	0.1468
Cleland et al, 2013	0.1248	0.1042	0.1470
Cangin et al, 2018	0.1248	0.1042	0.1470
Ditah et al, 2014	0.1248	0.1041	0.1470
Paula et al, 2001	0.1248	0.1043	0.1470
Goncales et al, 2000	0.1248	0.1042	0.1469
Cai et al, 2016	0.1234	0.1029	0.1454
Chiu et al, 2013	0.1240	0.1035	0.1461
Dimeglio et al, 2018	0.1247	0.1041	0.1468
Ding et al, 2003	0.1249	0.1043	0.1471
Chan et al, 2017	0.1239	0.1034	0.1460
Arif et al, 1994	0.1245	0.1039	0.1467
Abdelaal et al, 1995	0.1243	0.1038	0.1465
Amarapurkar et al, 2008	0.1238	0.1033	0.1459
Anita et al, 2014	0.1244	0.1038	0.1465
Grabow et al, 1994	0.1250	0.1044	0.1471
Hardtke et al, 2018	0.1242	0.1036	0.1463
Ataei et al, 2007	0.1249	0.1043	0.1470
Hesamizadeh et al, 2015	0.1246	0.1040	0.1468
Hogema et al, 2016	0.1241	0.1036	0.1462
Hickey et al, 2016	0.1246	0.1041	0.1468
Houcine et al, 2012	0.1248	0.1042	0.1469
Jahromi et al, 2013	0.1248	0.1042	0.1469
Sepanlou et al, 2010	0.1247	0.1041	0.1468
Mitsui et al, 2005	0.1250	0.1044	0.1471
Adesina et al, 2009	0.1244	0.1039	0.1466
Bernal et al, 1995	0.1250	0.1044	0.1471
Pujol et al, 1994	0.1249	0.1043	0.1470
Ricco et al, 2016	0.1248	0.1042	0.1470
Puttini et al, 2015	0.1246	0.1040	0.1467
Pavia et al, 1998	0.1251	0.1045	0.1473
Zuin et al, 2016	0.1245	0.1039	0.1467
Scotto et al, 2012	0.1250	0.1044	0.1472
Raoofi et al, 2012	0.1247	0.1041	0.1468
Rahman et al, 2014	0.1240	0.1034	0.1461
Poovorawan et al, 1996	0.1247	0.1042	0.1469
Sabato et al, 2017	0.1250	0.1044	0.1472
Chen et al, 2012	0.1242	0.1035	0.1466
Madden et al, 2016	0.1240	0.1035	0.1461
Love et al, 2018	0.1250	0.1044	0.1471
Lopes et al, 2017	0.1241	0.1035	0.1462
Mansuy et al, 2016	0.1242	0.1035	0.1464
Karetny et al, 1995	0.1249	0.1043	0.1471
Lucarelli et al, 2016	0.1235	0.1030	0.1456
Lange et al, 2016	0.1244	0.1039	0.1466
Kotwal et al, 2014	0.1243	0.1037	0.1465
Liang et al, 2014	0.1237	0.1032	0.1458
Mateos et al, 1998	0.1249	0.1043	0.1470
Marcantonio et al, 2018	0.1248	0.1042	0.1469
Karetnyi et al, 1999	0.1248	0.1042	0.1469
Lanini et al, 2015	0.1248	0.1042	0.1469
Johargy et al, 2013	0.1243	[0.1037	0.1464
Jia et al, 2014	0.1241	0.1034	0.1465
Ma et al, 2010	0.1243	0.1037	0.1464
Kaufmann et al, 2011	0.1248	0.1042	0.1469
Mansuy et al, 2004	0.1245	0.1040	0.1467
Mansuy et al, 2015	0.1237	0.1032	0.1458
Izopet et al, 2015	0.1237	0.1032	0.1457
Li et al, 2011	0.1237	0.1032	0.1458
Konomi et al, 1999	0.1244	0.1038	0.1465
Li et al, 2014	0.1245	0.1039	0.1466
Juhl et al, 2017	0.1244	0.1038	0.1465
Katiyar et al, 2018	0.1232	0.1028	0.1453
Intharasongkroh et al, 2019	0.1253	0.1047	0.1475

Juhl et al, 2014	0.1247	0.1041	0.1469
Kamel et al, 1995	0.1243	0.1038	0.1465
Nagler et al, 2014	0.1244	0.1038	0.1465
Langer et al, 1997	0.1251	0.1045	0.1473
Lee et al, 1993	0.1248	0.1042	0.1470
Lavanchy et al, 1994	0.1248	0.1042	0.1470
Ibarra et al, 1994	0.1243	0.1038	0.1464
Liu et al, 2019	0.1239	0.1033	0.1461
Mahrt et al, 2018	0.1242	0.1036	0.1463
Kuniholm et al, 2009	0.1242	0.1034	0.1466
Krumbholz et al, 2011	0.1244	0.1038	0.1465
Khounvisith et al, 2018	0.1243	0.1037	0.1464
Krumbholz et al, 2014	0.1245	0.1039	0.1466
Jeggli et al, 2015	0.1249	0.1043	0.1470
Kantala et al, 2015	0.1246	0.1040	0.1467
Kang et al, 2017	0.1242	0.1037	0.1463
Korzeniewski et al, 2018	0.1248	0.1042	0.1469
Li et al, 2006	0.1236	0.1031	0.1457
Labrique et al, 2009	0.1242	0.1036	0.1463
Jablonka et al, 2017	0.1242	0.1037	0.1463
Matins et al, 2014	0.1248	0.1042	0.1469
Jahanbakhsh et al, 2017	0.1241	0.1036	0.1462
Kaba et al, 2010	0.1245	0.1039	0.1466
Chironna et al, 1999	0.1249	0.1043	0.1470
Rapicetta et al,1999	0.1245	0.1039	0.1466
Azman et al, 2017	0.1229	0.1025	0.1449
Lachish et al, 2013	0.1252	0.1046	0.1473
Esquivel et al, 2014	0.1238	0.1033	0.1459
Cui et al, 2016	0.1242	0.1036	0.1463
Schielke et al, 2015	0.1242	0.1037	0.1463
Nübling et al, 2002	0.1248	0.1043	0.1470
Todys et al, 2015	0.1242	0.1037	0.1464
Meader et al, 2008	0.1249	0.1044	0.1471
Tabili et al, 2013	0.1242	0.1036	0.1463
Pilakasiri et al, 2009	0.1245	0.1039	0.1466
Ghorbani et al, 2007	0.1251	0.1045	0.1472
Bura et al, 2018	0.1250	0.1044	0.1472
Dremsek et al, 2012	0.1244	0.1038	0.1465
Eick et al, 2010	0.1251	0.1045	0.1472
Gambel et al, 1998	0.1242	0.1037	0.1463
Alecci et al, 1997	0.1251	0.1045	0.1472
Chaussade et al, 2013	0.1241	0.1035	0.1462
Whiters et al, 2002	0.1249	0.1044	0.1471
Zeng et al, 2014	0.1248	0.1042	0.1469
Yu et al, 2009	0.1242	0.1036	0.1464
Teixeira et al, 2017	0.1244	0.1039	0.1466
Widasari et al, 2013	0.1247	0.1042	0.1469
Olsen et al, 2006	0.1246	0.1040	0.1467
Zhang et al, 2017	0.1237	0.1032	0.1458
Bouwknegt et al, 2008	0.1250	0.1044	0.1472
Drobeniuc et al, 2001	0.1241	0.1036	0.1462
Galiana et al, 2008	0.1248	0.1042	0.1470
Dalton et al, 2017	0.1250	0.1044	0.1471
Cheng et al, 2007	0.1244	0.1038	0.1465
Pathak et al, 2018	0.1241	0.1036	0.1462
Sheikh et al, 2002	0.1233	0.1028	0.1453
Chow et al, 1996	0.1244	0.1039	0.1466
Colak et al, 2002	0.1251	0.1045	0.1473
Cong et al, 2014	0.1241	0.1036	0.1463
Terzic et al, 2009	0.1247	0.1042	0.1469
Bayhan et al, 2016	0.1248	0.1042	0.1470
Abe et al, 2004	0.1243	0.1037	0.1464
Aboulata et al, 2005	0.1241	0.1036	0.1462
Achwan et al, 2007	0.1247	0.1042	0.1469
Atabek et al, 2004	0.1247	0.1042	0.1469
Buti et al, 2008	0.1248	0.1042	0.1470
Cevahir et al, 2013	0.1245	0.1039	0.1466
Davaalkham et al, 2009	0.1251	0.1045	0.1473
Ekanem et al, 2015	0.1247	0.1041	0.1468
Gandolfo et al, 2003	0.1251	0.1045	0.1473
Goto et al, 2006	0.1249	0.1043	0.1471
Hasan et al, 2016	0.1241	0.1035	0.1462
Kaya et al, 2007	0.1252	0.1046	0.1473
Krumbholz et al, 2014	0.1251	0.1045	0.1472
Lin et al, 2004	0.1249	0.1043	0.1471
Mathur et al, 2001	0.1241	0.1035	0.1462
Meng et al, 2015	0.1245	0.1039	0.1467
Mohanavalli et al, 2002	0.1246	0.1040	0.1468
Oliveira et al, 2017	0.1251	0.1045	0.1472

Sencan et al, 2003	0.1247	0.1041	0.1468
Shamsizadeh et al, 2009	0.1246	0.1041	0.1468
Sidal et al, 2001	0.1250	0.1044	0.1471
Bira et al, 2007	0.1251	0.1045	0.1473
Hau et al, 1999	0.1249	0.1043	0.1471
Toole et al, 2006	0.1239	0.1034	0.1460
Saffar et al, 2009	0.1250	0.1044	0.1471
Bawazir et al, 2010	0.1245	0.1040	0.1467
Dong et al, 2007	0.1243	0.1036	0.1466
Lu et al, 2009	0.1243	0.1037	0.1465
Fix et al, 2000	0.1237	0.1031	0.1458
Ijaz et al, 2009	0.1244	0.1039	0.1466
Rey et al, 1997	0.1250	0.1044	0.1472
Munoz et al, 1999	0.1245	0.1039	0.1467
Héctor et al, 2017	0.1251	0.1045	0.1473
Li et al, 2019	0.1244	0.1038	0.1465
Lee et al, 2013	0.1250	0.1044	0.1471
Serkan et al, 2005	0.1247	0.1041	0.1468
Christophe et al, 2004	0.1247	0.1041	0.1468
Dorcas et al, 2018	0.1245	0.1039	0.1466
Rui et al, 2018	0.1242	0.1037	0.1463
Maria et al, 2010	0.1249	0.1043	0.1470
Zakieh et al, 2013	0.1249	0.1043	0.1470
Sonia et al, 2006	0.1226	0.1023	0.1444
Niguse et al, 2018	0.1237	0.1032	0.1457
Caron et al, 2008	0.1244	0.1039	0.1466
Caron et al, 2012	0.1247	0.1041	0.1469
Sandro et al, 2017	0.1247	0.1041	0.1468
Cosme et al, 2014	0.1248	0.1042	0.1469
Cevrioglu et al, 2004	0.1245	0.1039	0.1466
Farshadpour et al, 2018	0.1247	0.1041	0.1469
Gad et al, 2011	0.1233	0.1028	0.1454
Adjei et al, 2009	0.1246	0.1040	0.1467
Huang et al, 2013	0.1246	0.1040	0.1467
Paschale et al, 2016	0.1242	0.1036	0.1463
Alizadeh et al, 2016	0.1249	0.1043	0.1471
Abebe et al, 2017	0.1239	0.1034	0.1460
Traore et al, 2012	0.1239	0.1034	0.1460
Aubry et al, 1997	0.1244	0.1039	0.1465
Gambel et al, 1998	0.1245	0.1039	0.1466
Zhang et al, 2015	0.1242	0.1036	0.1464
Kyvernitakis et al, 2015	0.1245	0.1040	0.1467
Tashale et al, 2015	0.1247	0.1040	0.1469
Xu et al,2013	0.1243	0.1037	0.1464
Stramer et al, 2015	0.1244	0.1039	0.1466
Meng et al, 2001	0.1243	0.1037	0.1464
Esquivel et al, 2015	0.1247	0.1041	0.1468
Esquivel et al, 2015	0.1248	0.1042	0.1469
Perez et al, 1996	0.1248	0.1042	0.1470
Wassaf et al,2014	0.1248	0.1042	0.1470
Munne et al, 2014	0.1244	0.1038	0.1465
Bartoloni et al, 1999	0.1247	0.1041	0.1468
Leon et al, 1999	0.1242	0.1037	0.1463
Trinta et al,2001	0.1251	0.1045	0.1473
Lemos et al, 2000	0.1250	0.1044	0.1472

Table S4. Manufactures of ELISA assays used in general population.

Study	year	manufactures
Chang et al	2009	Wantai
Geng et al	2011	wantai
Yuan et al	2017	Wantai
Maria et al	2006	Biokit
Chen et al	2019	Wantai
Edward et al	1997	Diagnostic Biotechnology
Corwin et al	1996	Abbott Laboratories
Hassan et al	2013	Dia.Pro
Fatemeh et al	2014	Dia.Pro
Guo et al	2009	Wantai
Halliday et al	2014	Wantai
Ahn et al	2005	Genelabs Diagnostics
Azarkar et al	2017	Delavara Company
Boutrouille et al	2007	Genelabs Diagnostics
Cainelli et al	2018	Dia.Pro
Christensen et al	2018	Unknown
Abe et al	2006	In-house assay
Baylis et al	2012	Wantai
Assarehzadegan et al	2007	Biokit
Dell'Amico et al	2011	Dia.Pro
Yoon et al	2014	Wantai
Takahashi et al	2004	In-house assay
Takahashi et al	2010	In-house assay
O'Riordan et al	2016	Wantai
Spada et al	2018	Wantai
Nasrallah et al	2017	Wantai
Moaven et al	1995	Genelabs Diagnostics
Zhuang et al	2014	Pierce
Nascimento et al	2016	Mikrogen
Takeda et al	2010	Cosmic corporation
Minuk et al	2007	Genelabs Diagnostics
Nouhin et al	2016	Wantai
Verhoef et al	2011	MP Diagnostics
Castilho et al	2017	Wantai
Mooij et al	2018	Wantai
Lafeber et al	2017	Wantai
Yun et al	2011	Dia.Pro
Olcay et al	2003	Genelabs Diagnostics
Rapicetta et al	1999	Abbott Laboratories
Nouhin et al	2018	Wantai
Slot et al	2013	Wantai
Straková et al	2016	Dia.Pro
Wong et al	2004	GeneLabs Diagnostics
Meldal et al	2013	Wantai
Wenzel et al	2014	Wantai
Petrovi et al	2014	In-house assay
Wang et al	2017	Wantai
Tripathy et al	2018	Genelabs Diagnostic/Wantai
Quintana et al	2005	Unknown
Taremi et al	2007	Dia.Pro
Castilho et al	2016	Wantai
Vivek et al	2010	MP Bio
Zhu et al	2008	Wantai
Sakata et al	2008	Cosmic Corporation
Sadik et al	2016	Wantai
Mohebbi et al	2012	Dia.Pro
Yang et al	2014	Wantai
Zhu et al	2014	Wantai
Thom et al	2017	Wantai
Mor et al	2015	Diagnostic Systems
Villalba et al	2014	Cavendish
Toyoda et al	2008	In-house assay
Shrestha et al	2016	Wantai
Mohammad et al	2017	Fortress Diagnostics
Yamada et al	2015	Institute of Immunology Company
Vitral et al	2014	Mikrogen
Peng et al	1995	Diagnostic Biotechnolgy
Talarmin et al	1997	Abbott Laboratories
Sauleda et al	2014	Wantai
Ren et al	2013	Diagnostic Biotechnology
Santos et al	2002	Abbott Laboratories
Miller et al	1998	Abbott Laboratories

Parsa et al	2016	Dia.Pro
Pittaras et al	2014	Adaltis
Schreuder et al	2016	Wantai
Jahromi et al	2013	Unknown
Niederhauser et al	2017	Wantai
Teoharov et al	2014	Dia.Pro
Bortoliero et al	2006	Abbott Laboratories
Hewitt et al	2018	Wantai
Alberts et al	2018	Wantai
Grabarczyk et al	2018	Wantai
Gessoni et al	1996	Abbott Laboratories
Fukuda et al	2007	Unknown
Fogeda et al	2012	Mikrogen GmbH
Fischer et al	2014	Wantai
Feng et al	2018	Wantai
Fearon et al	2017	Wantai
Harvala et al	2018	Wantai
Cleland et al	2013	Wantai
Cangin et al	2018	Soronno
Ditah et al	2014	Soronno
Paula et al	2001	Organon Teknika
Goncales et al	2000	Abbott Laboratories
Cai et al	2016	Wantai
Chiu et al	2013	Biotec Laboratories
Dimeglio et al	2018	Wantai
Ding et al	2003	In-house assay
Chan et al	2017	Unknown
Arif et al	1994	Abbott Laboratories
Abdelaal et al	1995	Unknown
Amarapurkar et al	2008	Unknown
Anita et al	2014	MP Biomedicals
Grabow et al	1994	Unknown
Hardtke et al	2018	Wantai
Ataei et al	2007	Dia.Pro
Hesamizadeh et al	2015	Dia.Pro
Hogema et al	2016	Wantai
Hickey et al	2016	Wantai
Houcine et al	2012	MP Diagnostics
Jahromi et al	2013	Dia.Pro
Sepanlou et al	2010	Dia.Pro
Mitsui et al	2005	Genelabs Diagnostics
Adesina et al	2009	Dia.Pro
Bernal et al	1995	Abbott Laboratories
Pujol et al	1994	Abbott Laboratories
Ricco et al	2016	Wantai/ Dia.Pro
Puttini et al	2015	Adaltis
Pavia et al	1998	International Immunodiagnostics
Zuin et al	2016	Dia.Pro
Scotto et al	2012	Dia.Pro
Raoofi et al	2012	Unknown
Rahman et al	2014	Institute of Immunology
Poovorawan et al	1996	Genelabs Diagnostics
Sabato et al	2017	Bio-Chain Institute
Chen et al	2012	In-house assay
Madden et al	2016	Wantai
Love et al	2018	Wantai/Dia.Pro
Lopes et al	2017	Fortress Diagnostics
Mansuy et al	2016	Wantai
Karetny et al	1995	Unknown
Lucarelli et al	2016	Wantai
Lange et al	2016	Wantai
Kotwal et al	2014	Unknown
Liang et al	2014	Wantai
Mateos et al	1998	Abbott Laboratories
Marcantonio et al	2018	Wantai
Karetnyi et al	1999	In-house assay
Lanini et al	2015	Dia.Pro
Johargy et al	2013	Bioelisa
Jia et al	2014	MP Diagnostics
Ma et al	2010	Wantai
Kaufmann et al	2011	MP Biomedicals
Mansuy et al	2004	Abbott Laboratories
Mansuy et al	2015	Wantai
Izopet et al	2015	Wantai
Li et al	2011	Wantai
Konomi et al	1999	In-house assay
Li et al	2014	Wantai
Juhl et al	2017	Wantai

Katiyar et al	2018	Wantai
Intharasongkroh et al	2019	Euroimmun/Wantai
Juhl et al	2014	Wantai
Kamel et al	1995	Abbott Laboratories
Nagler et al	2014	Fortress Diagnostics
Langer et al	1997	Abbott Laboratories
Lee et al	1993	Genelabs Diagnostics
Lavanchy et al	1994	Abbott Laboratories
Ibarra et al	1994	Abbott Laboratories
Liu et al	2019	Unknown
Mahrt et al	2018	Wantai
Kuniholm et al	2009	In-house assay
Krumbholz et al	2011	Mikrogen GmbH
Khounvisith et al	2018	Euroimmun
Krumbholz et al	2014	Mikrogen GmbH
Jeggli et al	2015	Abbott Laboratories
Kantala et al	2015	Mikrogen GmbH
Kang et al	2017	Wantai
Korzeniewski et al	2018	Mikrogen
Li et al	2006	Wantai
Labrique et al	2009	In-house assay
Jablonka et al	2017	Wantai
Matins et al	2014	Mikrogen GmbH
Jahanbakhsh et al	2017	Dia.Pro
Kaba et al	2010	Adaltis
Chironna et al	1999	Nuclear Laser Medicine
Rapicetta et al	1999	DSI
Azman et al	2017	Wantai
Lachish et al	2013	Abbott Laboratories
Esquivel et al	2014	Dia.Pro
Cui et al	2016	Wantai
Schielke et al	2015	Mikrogen GmbH
Nübling et al	2002	Unknown
Todys et al	2015	Microgen
Meader et al	2008	MP Biomedical
Tabili et al	2013	Wantai
Pilakasiri et al	2009	In-house assay
Ghorbani et al	2007	Dia.Pro
Bura et al	2018	Euroimmun
Dremsek et al	2012	In-house assay
Eick et al	2010	WRAIR
Gambel et al	1998	Genelabs Diagnostics
Alecci et al	1997	Abbott Laboratories
Chaussade et al	2013	MP Biomedicals
Whiters et al	2002	Genelabs Diagnostics
Zeng et al	2014	Wantai
Yu et al	2009	Wantai
Teixeira et al	2017	Mikrogen
Widasari et al	2013	MP Biomedicals
Olsen et al	2006	Abbott Laboratories
Zhang et al	2017	Wantai
Bouwknegt et al	2008	Abbott/Genelabs Diagnostics
Drobeniuc et al	2001	Unknown
Galiana et al	2008	Mikrogen
Dalton et al	2017	Wantai
Cheng et al	2007	Genelabs Diagnostics
Pathak et al	2018	MP Diagnostics
Sheikh et al	2002	In-house assay
Chow et al	1996	Genelabs Diagnostics
Colak et al	2002	Genelabs Diagnostics
Cong et al	2014	Wantai
Terzic et al	2009	Dia.Pro
Bayhan et al	2016	Dia.Pro
Abe et al	2004	In-house assay
Aboulata et al	2004	Unknown
Achwan et al	2007	In-house assay
Atabek et al	2004	Unknown
Buti et al	2008	Biokit
Cevahir et al	2013	BLK diagnostics
Davaalkham et al	2009	In-house assay
Ekanem et al	2015	Springfield Township
Gandolfo et al	2003	Abbott Laboratories
Goto et al	2006	Cosmic Corporation
Hasan et al	2016	Adaltis/MP Diagnostics
Kaya et al	2007	Genelabs Diagnostic
Krumbholz et al	2014	Mikrogen
Lin et al	2004	Abbott Laboratories
Mathur et al	2001	unknown

Meng et al	2015	Wantai
Mohanavalli et al	2002	Millipore
Oliveira et al	2017	Mikrogen
Sencan et al	2003	Giuliana Diagnostica
Shamsizadeh et al	2009	Biokit
Sidal et al	2001	Unknown
Bira et al	2007	In-house assay
Hau et al	1999	Abbott Laboratories
Toole et al	2006	Wantai
Saffar et al	2009	Dia.Pro
Bawazir et al	2010	MP Diagnostic
Dong et al	2007	In-house assay
Lu et al	2009	Wantai
Fix et al	2000	Abbott Laboratories
Ijaz et al	2009	Fortress Diagnostics
Rey et al	1997	Abbott Laboratories
Munoz et al	1999	Abbott Laboratories
Héctor et al	2017	Euroimmun Medizinische
Li et al	2019	Wantai
Lee et al	2013	Wantai
Serkan et al	2005	Global Diagnostics
Christophe et al	2004	Wantai
Dorcas et al	2018	Innovita
Rui et al	2018	Wantai
Maria et al	2010	Dia.Pro
Zakieh et al	2013	Dia.Pro
Sonia et al	2006	NIH in-house EIA
Niguse et al	2018	Wantai
Caron et al	2008	Gebelabs Diagnostic
Caron et al	2012	Gebelabs Diagnostic
Sandro et al	2017	Dia.Pro
Cosme et al	2014	Dia.Pro
Cevrioglu et al	2004	Virotech GmbH
Farshadpour et al	2018	Dia.Pro
Gad et al	2011	Gebelabs Diagnostic
Adjei et al	2009	International Immunodiagnostics
Huang et al	2013	Unknown
Paschale et al	2016	Dia.Pro
Alizadeh et al	2016	Dia.Pro
Abebe et al	2017	Wantai
Traore et al	2012	Dia.Pro
Aubry et al	1997	Unknown
Gambel et al	1998	Unknown
Zhang et al	2015	Unknown
Kyvernitakis et al	2015	Mikrogen
Tashale et al	2015	DSI
Xu et al	2013	Wantai
Stramer et al	2015	Unknown
Meng et al	2001	In-house assay
Esquivel et al	2015	Dia.Pro
Esquivel et al	2015	Dia.Pro
Perez et al	1996	Abbott Laboratories
Wassaf et al	2014	Dia.Pro
Munne et al	2014	Dia.Pro
Bartoloni et al	1999	Abbott Laboratories
Leon et al	1999	Abbott Laboratories
Trinta et al	2001	Abbott Laboratories
Lemos et al	2000	Unknown

Table S5. HEV prevalence among occupational cohort and special cohort.

		Occupational cohort					Special Cohort																			
		Anti-HEV IgG					HIV					Hemodialysis					Transplant					Hepatitis				
Continent	Country	No· of studies	Events	Tested (n)	Prevalence (%)	95% CI	No. of studies	Events	Tested (n)	Prevalence (%)	95% CI	No. of studies	Events	Tested (n)	Prevalence (%)	95% CI	No. of studies	Events	Tested (n)	Prevalence (%)	95% CI	No. of studies	Events	Tested (n)	Prevalence (%)	95% CI
Asia (22)	China	7	1211	3064	41.93	29.97; 54.40	2	594	1409	41.98	37.15; 46.89	2	220	618	37.22	25.01; 50.31						1	63	1751	3.60	2.78; 4.52
	Thailand	1	39	171	22.81	16.85; 29.38																1	212	614	34.53	30.82; 38.33
	Israel																									
	Saudi Arabia											1	6	83	7.23	2.69; 13.74						1	12	132	9.09	4.80; 14.57
	Japan											3	124	776	17.91	8.89; 29.22	2	62	2077	3.02	2.19; 3.97					
	Jordan																									
	Kazakhstan																									
	Korea						1	99	208	47.60	40.85; 54.38															
	Vietnam																									
	Yemen																									
	Bangladesh																									
	India	1	32	34	94.12	83.89; 99.41						1	22	50	44.00	30.65; 57.81	1	52	205	25.37	19.66; 31.53	2	154	512	27.63	6.63; 56.09
	Indonesia	2	38	289	14.80	0.0607; 26.50																				
	Mongolia																									
	Iran	1	1	28	3.57	0.00; 13.44	3	62	331	19.43	8.31; 33.81	5	162	924	16.60	7.85; 27.80	1	28	91	30.77	21.76; 40.59	1	55	200	27.50	21.55; 33.88
	Cambodia						1	247	825	29.94	26.86; 33.11															
	Singapore																									
	Laos	1	57	139	41.01	32.99; 49.27																				
	Nepal						1	181	459	39.43	35.01; 43.94											2	160	364	48.46	0.94; 98.38
	Malaysia						1	15	145	10.34	5.93; 15.80															
	Qatar																									
	United Arab Emirates																									
Africa (17)	Nigeria																									
	Burkina Faso	1	76	100	76	67.19; 83.82																				
	Burundi																									
	Djibouti																					1	46	111	3.60	2.78; 4.52
	Egypt											2	60	192	30.94	16.05; 48.21						1	90	202	44.55	37.77; 51.44
	Ethiopia	1	36	104	34.62	25.81; 43.99																				
	Ghana						1	182	402	45.27	40.44; 50.15															
	Benin																									
	Malawi																									
	South Africa																									
	South Sudan																									
	Tanzania						1	16	200	8.00	4.65; 12.15															
	Tunisia											2	50	572	8.69	6.15; 11.62										
	Cameroon						1	41	289	14.19	10.41; 18.44															
	Uganda						1	229	494	46.36	41.98; 50.76															
Europe (29)	Finland	1	31	220	14.09	9.82; 18.99																1	26	105	24.76	17.02; 33.43
	France	1	134	306	43.79	38.28; 49.38	4	38	798	4.28	1.56; 8.26	1	16	147	10.88	6.38; 16.41	6	339	1688	19.31	10.71; 29.71					
	Kosovo																									
	Germany	2	84	408	22.37	13.17; 22.37	1	64	246	26.02	20.74; 31.67	1	5	150	3.33	1.07; 6.79	3	45	624	6.04	2.13; 11.76	2	80	612	12.30	1.61; 30.88
	Moldova	1	135	264	51.14	45.11; 57.14																				
	Greece						1	18	243	7.41	4.46; 11.03	3	52	982	5.22	3.84; 6.79						1	15	198	7.58	4.31; 11.66
	Turkey											3	26	176	14.74	9.90; 20.34						1	120	364	32.97	28.24; 37.88
	UK	1	2	75	2.67	0.26; 7.49	1	13	138	9.42	5.13; 14.83	1	28	76	36.84	26.42; 47.93						1	16	377	4.24	2.45; 6.51
	Iceland	1	1	21	4.76	0.00; 17.67																				
	Ireland																									
	Italy	7	67	557	13.04	4.12; 25.95	1	34	509	6.68	4.68; 9.01	4	65	770	9.20	3.56; 17.11	1	4	120	3.33	0.88; 7.27	1	16	375	4.27	2.46; 6.54
	Czech																									
	Denmark																									
	Austria																									
	Bulgaria																									
	Montenegro																									
	Netherlands	3	168	856	13.21	0.29; 40.48	2	50	354	15.34	7.97; 24.58						1	9	285	3.16	1.45; 5.50					
	Norway	1	10	46	21.74	11.16; 34.67																				
	Poland						1	124	244	50.82	44.56; 57.07															
	Portugal	1	35	114	30.70	22.61; 39.45																				
	Romania																									
	Russia																									
	San Marino																									
	Serbia																									
	Spain						7	569	3559	14.36	9.48; 20.05	2	7	113	6.19	2.52; 11.36	2	46	754	4.73	1.38; 9.93					
	Sweden	2	34	216	15.68	10.48; 21.70						1	11	182	6.04	3.06; 9.96										
	Switzerland						1	19	735	2.59	1.56; 3.86															
	Estonia	1	9	67	13.43	6.39; 22.56																				
	Croatia						1	51	504	10.12	7.64; 12.90															
Oceania (2)	New Zealand																									
	Australia						1	12	191	6.28	3.29; 10.15															
North America (5)	Cuba																									
	Mexico	2	100	324	24.58	4.90; 52.88																				
	USA	2	96	460	18.14	5.66; 35.60	2	39	360	10.04	0.41; 30.09						4	143	1033	15.03	3.51; 32.61					
	Canada																1	22	80	27.50	18.33; 37.74					
	Nicaragua																									
South America (7)	Chile																									
	Argentina						1	32	484	6.61	4.57; 8.99						1	7	120	5.83	2.37; 10.71					
	Venezuela																									
	Bolivia																									
	Brazil	1	26	310	8.39	5.57; 11.72	3	169	1020	15.36	1.85; 38.45	2	4	457	1.41	0.00; 12.69	1	8	316	2.53	1.09; 4.55	2	83	997	7.62	3.51; 13.15
	Guiana																									
	Peru																					1	24	747	3.21	2.07; 4.60
Multiple	Multiple country	1	58	603	9.62	7.40; 12.10																				
Total		40	2480	8776	24.04	18.55; 29.99	44	3112	15050	16.91	12.64; 21.67	35	852	6356	13.10	9.34; 17.39	26	789	7543	11.68	7.91; 16.06	20	1499	8072	21.49	12.65; 31.92