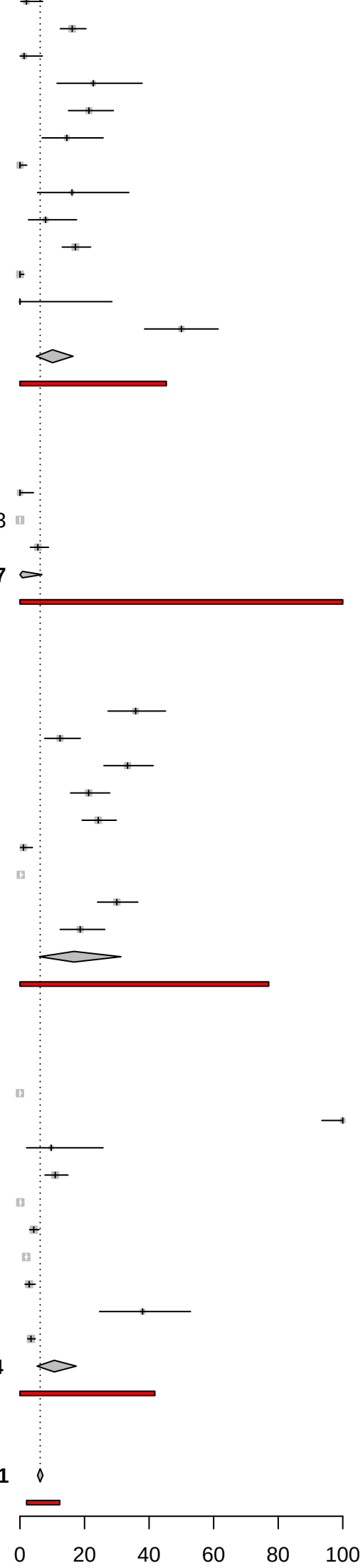
Appendix S9. The pooled global prevalence of occult hepatitis B infection in HBsAg negative and anti-HBc positive blood donors

Study	Positive	Total	Prevalence (%)	95% CI	Weight
HBsAg Negative & Anti−HBc Positive_ Africa					
Fopa, 2019_Cameroon	6	522	1.15	[0.42; 2.48]	2.4%
Olotu, 2016_Nigeria	19	354	5.37	[3.26; 8.25]	2.2%
Random effect meta−analysis		**876**	**2.86**	**[0.15; 8.39]**	**4.6%**
Prediction interval	.	.			−−
Heterogeneity: I^2 = 92.4% [74.2%; 97.8%], τ^2 = 0.0072, p = 0.0003					
HBsAg Negative & Anti−HBc Positive_ America					
Chevrier, 2007_Canada	12	1140	1.05	[0.55; 1.83]	2.6%
Delfino, 2021_Argentina	7	124	5.65	[2.30; 11.29]	1.6%
Dodd, 2018_United States of America	404	49567	0.82	[0.74; 0.90]	2.8%
García−Montalvo, 2005_Mexico	13	158	8.23	[4.45; 13.66]	1.8%
García−Montalvo, 2011_Mexico	24	372	6.45	[4.18; 9.45]	2.3%
Gutierrez, 2004_Venezuela	11	258	4.26	[2.15; 7.50]	2.1%
Kleinman, 2003_United States of America	4	395	1.01	[0.28; 2.57]	2.3%
Moresco, 2014_Brazil	8	291	2.75	[1.19; 5.34]	2.1%
Rios−Ocampo, 2014_Colombia	6	302	1.99	[0.73; 4.27]	2.2%
Silva, 2005_Brazil	5	150	3.33	[1.09; 7.61]	1.7%
Sosa−Jurado, 2016_Mexico	27	156	17.31	[11.73; 24.17]	1.8%
Stramer, 2012_United States of America	89	6442671	0.00	[0.00; 0.00]	2.9%
Random effect meta−analysis		**6495584**	**2.99**	**[1.69; 4.63]**	**26.1%**
Prediction interval	.	.		**[0.00; 10.84]**	−−
Heterogeneity: I^2 = 99.4% [99.3%; 99.5%], τ^2 = 0.0046, p = 0					
HBsAg Negative & Anti−HBc Positive_ Eastern Mediterranean					
Abbasali, 2005_Iran	5	43	11.63	[3.89; 25.08]	0.9%
Alshayea, 2016_Saudi Arabia	17	198	8.59	[5.08; 13.39]	1.9%
Bhatti, 2007_Pakistan	5	167	2.99	[0.98; 6.85]	1.8%
Hassanshahi, 2010_Iran	57	352	16.19	[12.50; 20.47]	2.2%
Jafarzadeh, 2008_Iran	4	14	28.57	[8.39; 58.10]	0.4%
Kanwal, 2020_Pakistan	2	100	2.00	[0.24; 7.04]	1.4%
Karimabad, 2011_Iran	57	352	16.19	[12.50; 20.47]	2.2%
Khamesipour, 2011_Iran	1	78	1.28	[0.03; 6.94]	1.3%
Kishk, 2015_Egypt	10	44	22.73	[11.47; 37.84]	0.9%
Mahgoub, 2011_Sudan	31	145	21.38	[15.01; 28.95]	1.7%
Mahmoud, 2018_Egypt	9	62	14.52	[6.86; 25.78]	1.1%
Mehmood, 2020_Pakistan	0	174	0.00	[0.00; 2.10]	1.8%
Muselmani, 2013_Syria	5	31	16.13	[5.45; 33.73]	0.7%
Muselmani, 2014_Syria	5	63	7.94	[2.63; 17.56]	1.1%
Said, 2013_Egypt	52	303	17.16	[13.09; 21.89]	2.2%
Sharifi, 2013_Iran	0	300	0.00	[0.00; 1.22]	2.2%
Sofian, 2010_Iran	0	11	0.00	[0.00; 28.49]	0.3%
Vaezjalali, 2013_Iran	40	80	50.00	[38.60; 61.40]	1.3%
Random effect meta−analysis		**2517**	**10.09**	**[5.07; 16.43]**	**25.4%**
Prediction interval	.	.		**[0.00; 45.35]**	−−
Heterogeneity: I^2 = 94.9% [93.1%; 96.2%], τ^2 = 0.0343, p < 0.0001					
HBsAg Negative & Anti−HBc Positive_ Europe					
Berkem, 2019_Turkey	0	86	0.00	[0.00; 4.20]	1.3%
Isabel, 2009_Spain	10	245673	0.00	[0.00; 0.01]	2.9%
Manzini, 2007_Italy	16	288	5.56	[3.21; 8.87]	2.1%
Random effect meta−analysis		**246047**	**0.78**	**[0.00; 6.81]**	**6.3%**
Prediction interval	.	.		**[0.00; 100.00]**	−−
Heterogeneity: I^2 = 96.9% [93.7%; 98.5%], τ^2 = 0.0208, p < 0.0001					
HBsAg Negative & Anti−HBc Positive_ South−East Asia					
Akram, 2018_Bangladesh	43	120	35.83	[27.29; 45.10]	1.6%
Asim, 2010_India	19	153	12.42	[7.64; 18.71]	1.7%
Athira, 2018_India	52	156	33.33	[26.00; 41.32]	1.8%
Bhattacharya, 2007_India	40	188	21.28	[15.66; 27.83]	1.9%
Biswas, 2013_India	65	268	24.25	[19.25; 29.84]	2.1%
Ismail, 2012_India	2	184	1.09	[0.13; 3.87]	1.9%
Ks, 2012_India	2	820	0.24	[0.03; 0.88]	2.5%
Panigrahi, 2010_India	66	220	30.00	[24.02; 36.52]	2.0%
Thedja, 2010_Indonesia	25	134	18.66	[12.45; 26.30]	1.7%
Random effect meta−analysis		**2243**	**16.73**	**[6.03; 31.28]**	**17.1%**
Prediction interval	.	.		**[0.00; 77.06]**	−−
Heterogeneity: I^2 = 98.4% [97.8%; 98.8%], τ^2 = 0.0670, p < 0.0001					
HBsAg Negative & Anti−HBc Positive_ Western Pacific					
Hudu, 2016_Malaysia	0	945	0.00	[0.00; 0.39]	2.6%
Hudu, 2016_Malaysia	55	55	100.00	[93.51; 100.00]	1.0%
Hui, 2017_China	3	31	9.68	[2.04; 25.75]	0.7%
Jutavijittum, 2014_Laos	35	320	10.94	[7.74; 14.88]	2.2%
Seo, 2011_South Korea	2	1676	0.12	[0.01; 0.43]	2.7%
Sheng, 2013_China	35	820	4.27	[2.99; 5.89]	2.5%
Taira, 2013_Japan	92	4742	1.94	[1.57; 2.37]	2.8%
Ye, 2017_China	14	490	2.86	[1.57; 4.75]	2.4%
Yotsuyanagi, 2001_Japan	19	50	38.00	[24.65; 52.83]	1.0%
Yuan, 2010_China	34	995	3.42	[2.38; 4.74]	2.6%
Random effect meta−analysis		**10124**	**10.64**	**[5.31; 17.44]**	**20.5%**
Prediction interval	.	.		**[0.00; 41.78]**	−−
Heterogeneity: I^2 = 98.7% [98.3%; 99.0%], τ^2 = 0.0228, p < 0.0001					
Overall random effect meta−analysis		**6757391**	**6.26**	**[5.44; 7.13]**	**100.0%**
Prediction interval				**[2.05; 12.32]**	
Heterogeneity: I^2 = 99.1% [99.1%; 99.2%], τ^2 = 0.0026, p = 0					
Test for subgroup differences: χ^2_5 = 23.51, df = 5 (p = 0.0003)