Review question 1, forest plot of included studies, by study precision.
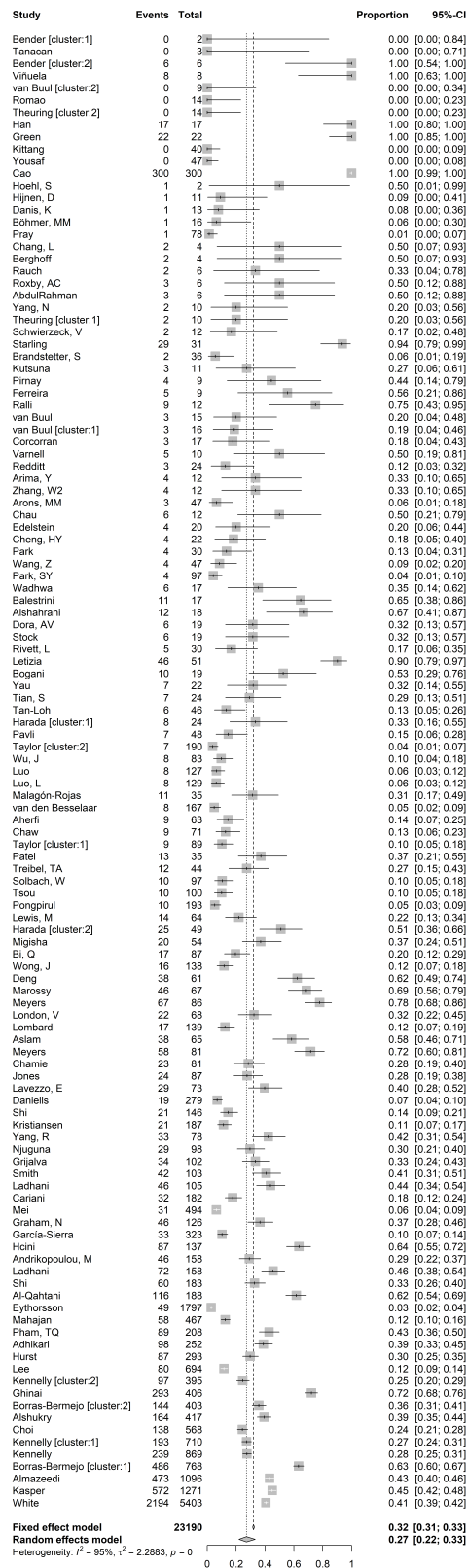
Study	Events	Total	Proportion	95%-CI
Bender [cluster:1]	0	2	0.00	[0.00; 0.84]
Tanacan	0	3	0.00	[0.00; 0.71]
Bender [cluster:2]	6	6	1.00	[0.54; 1.00]
Viñuela	8	8	1.00	[0.63; 1.00]
van Buul [cluster:2]	0	9	0.00	[0.00; 0.34]
Romao	0	14	0.00	[0.00; 0.23]
Theuring [cluster:2]	0	14	0.00	[0.00; 0.23]
Han	17	17	1.00	[0.80; 1.00]
Green	22	22	1.00	[0.85; 1.00]
Kittang	0	40	0.00	[0.00; 0.09]
Yousaf	0	47	0.00	[0.00; 0.08]
Cao	300	300	1.00	[0.99; 1.00]
Hoehl, S	1	2	0.50	[0.01; 0.99]
Hijnen, D	1	11	0.09	[0.00; 0.41]
Danis, K	1	13	0.08	[0.00; 0.36]
Böhmer, MM	1	16	0.06	[0.00; 0.30]
Pray	1	78	0.01	[0.00; 0.07]
Chang, L	2	4	0.50	[0.07; 0.93]
Berghoff	2	4	0.50	[0.07; 0.93]
Rauch	2	6	0.33	[0.04; 0.78]
Roxby, AC	3	6	0.50	[0.12; 0.88]
AbdulRahman	3	6	0.50	[0.12; 0.88]
Yang, N	2	10	0.20	[0.03; 0.56]
Theuring [cluster:1]	2	10	0.20	[0.03; 0.56]
Schwierzeck, V	2	12	0.17	[0.02; 0.48]
Starling	29	31	0.94	[0.79; 0.99]
Brandstetter, S	2	36	0.06	[0.01; 0.19]
Kutsuna	3	11	0.27	[0.06; 0.61]
Pirnay	4	9	0.44	[0.14; 0.79]
Ferreira	5	9	0.56	[0.21; 0.86]
Ralli	9	12	0.75	[0.43; 0.95]
van Buul	3	15	0.20	[0.04; 0.48]
van Buul [cluster:1]	3	16	0.19	[0.04; 0.46]
Corcorran	3	17	0.18	[0.04; 0.43]
Varnell	5	10	0.50	[0.19; 0.81]
Redditt	3	24	0.12	[0.03; 0.32]
Arima, Y	4	12	0.33	[0.10; 0.65]
Zhang, W2	4	12	0.33	[0.10; 0.65]
Arons, MM	3	47	0.06	[0.01; 0.18]
Chau	6	12	0.50	[0.21; 0.79]
Edelstein	4	20	0.20	[0.06; 0.44]
Cheng, HY	4	22	0.18	[0.05; 0.40]
Park	4	30	0.13	[0.04; 0.31]
Wang, Z	4	47	0.09	[0.02; 0.20]
Park, SY	4	97	0.04	[0.01; 0.10]
Wadhwa	6	17	0.35	[0.14; 0.62]
Balestrini	11	17	0.65	[0.38; 0.86]
Alshahrani	12	18	0.67	[0.41; 0.87]
Dora, AV	6	19	0.32	[0.13; 0.57]
Stock	6	19	0.32	[0.13; 0.57]
Rivett, L	5	30	0.17	[0.06; 0.35]
Letizia	46	51	0.90	[0.79; 0.97]
Bogani	10	19	0.53	[0.29; 0.76]
Yau	7	22	0.32	[0.14; 0.55]
Tian, S	7	24	0.29	[0.13; 0.51]
Tan-Loh	6	46	0.13	[0.05; 0.26]
Harada [cluster:1]	8	24	0.33	[0.16; 0.55]
Pavli	7	48	0.15	[0.06; 0.28]
Taylor [cluster:2]	7	190	0.04	[0.01; 0.07]
Wu, J	8	83	0.10	[0.04; 0.18]
Luo	8	127	0.06	[0.03; 0.12]
Luo, L	8	129	0.06	[0.03; 0.12]
Malagón-Rojas	11	35	0.31	[0.17; 0.49]
van den Besselaar	8	167	0.05	[0.02; 0.09]
Aherfi	9	63	0.14	[0.07; 0.25]
Chaw	9	71	0.13	[0.06; 0.23]
Taylor [cluster:1]	9	89	0.10	[0.05; 0.18]
Patel	13	35	0.37	[0.21; 0.55]
Treibel, TA	12	44	0.27	[0.15; 0.43]
Solbach, W	10	97	0.10	[0.05; 0.18]
Tsou	10	100	0.10	[0.05; 0.18]
Pongpirul	10	193	0.05	[0.03; 0.09]
Lewis, M	14	64	0.22	[0.13; 0.34]
Harada [cluster:2]	25	49	0.51	[0.36; 0.66]
Migisha	20	54	0.37	[0.24; 0.51]
Bi, Q	17	87	0.20	[0.12; 0.29]
Wong, J	16	138	0.12	[0.07; 0.18]
Deng	38	61	0.62	[0.49; 0.74]
Marossy	46	67	0.69	[0.56; 0.79]
Meyers	67	86	0.78	[0.68; 0.86]
London, V	22	68	0.32	[0.22; 0.45]
Lombardi	17	139	0.12	[0.07; 0.19]
Aslam	38	65	0.58	[0.46; 0.71]
Meyers	58	81	0.72	[0.60; 0.81]
Chamie	23	81	0.28	[0.19; 0.40]
Jones	24	87	0.28	[0.19; 0.38]
Lavezzo, E	29	73	0.40	[0.28; 0.52]
Daniells	19	279	0.07	[0.04; 0.10]
Shi	21	146	0.14	[0.09; 0.21]
Kristiansen	21	187	0.11	[0.07; 0.17]
Yang, R	33	78	0.42	[0.31; 0.54]
Njuguna	29	98	0.30	[0.21; 0.40]
Grijalva	34	102	0.33	[0.24; 0.43]
Smith	42	103	0.41	[0.31; 0.51]
Ladhani	46	105	0.44	[0.34; 0.54]
Cariani	32	182	0.18	[0.12; 0.24]
Mei	31	494	0.06	[0.04; 0.09]
Graham, N	46	126	0.37	[0.28; 0.46]
García-Sierra	33	323	0.10	[0.07; 0.14]
Hcini	87	137	0.64	[0.55; 0.72]
Andrikopoulou, M	46	158	0.29	[0.22; 0.37]
Ladhani	72	158	0.46	[0.38; 0.54]
Shi	60	183	0.33	[0.26; 0.40]
Al-Qahtani	116	188	0.62	[0.54; 0.69]
Eythorsson	49	1797	0.03	[0.02; 0.04]
Mahajan	58	467	0.12	[0.10; 0.16]
Pham, TQ	89	208	0.43	[0.36; 0.50]
Adhikari	98	252	0.39	[0.33; 0.45]
Hurst	87	293	0.30	[0.25; 0.35]
Lee	80	694	0.12	[0.09; 0.14]
Kennelly [cluster:2]	97	395	0.25	[0.20; 0.29]
Ghinai	293	406	0.72	[0.68; 0.76]
Borras-Bermejo [cluster:2]	144	403	0.36	[0.31; 0.41]
Alshukry	164	417	0.39	[0.35; 0.44]
Choi	138	568	0.24	[0.21; 0.28]
Kennelly [cluster:1]	193	710	0.27	[0.24; 0.31]
Kennelly	239	869	0.28	[0.25; 0.31]
Borras-Bermejo [cluster:1]	486	768	0.63	[0.60; 0.67]
Almazeedi	473	1096	0.43	[0.40; 0.46]
Kasper	572	1271	0.45	[0.42; 0.48]
White	2194	5403	0.41	[0.39; 0.42]
Fixed effect model		**23190**	**0.32**	**[0.31; 0.33]**
Random effects model			**0.27**	**[0.22; 0.33]**

Heterogeneity: $I^2 = 95\%$, $\tau^2 = 2.2883$, $p = 0$

0   0.2   0.4   0.6   0.8   1

Figure 1: " "

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