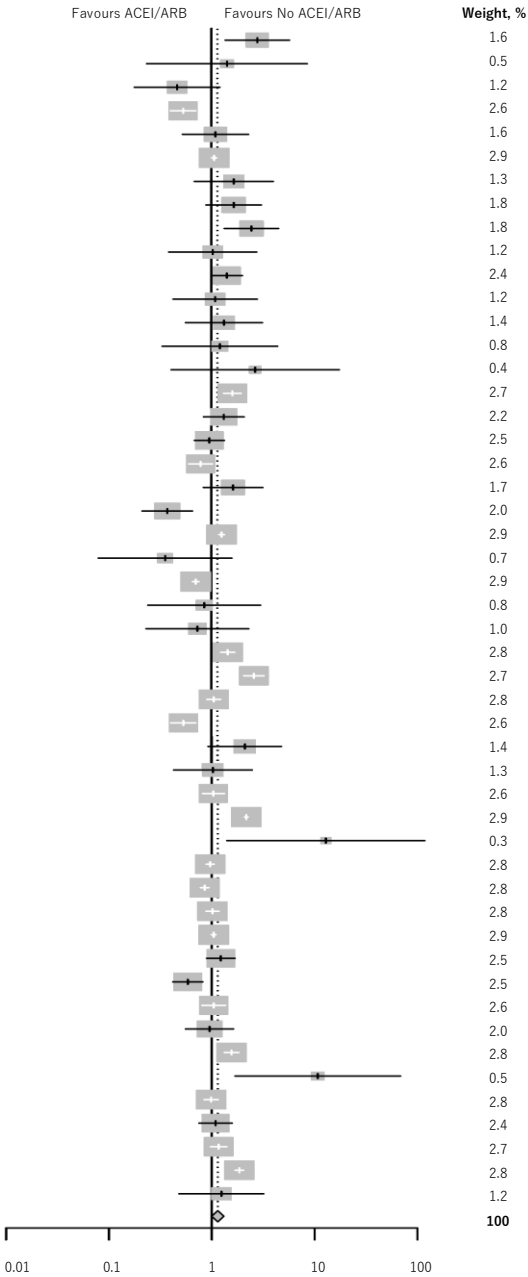


A. Infectivity

First Author (Country)	ACEI/ARB (Events/Total)	No ACEI/ARB (Events/Total)	Odds ratio (95% CI)
Trubiano, J (Australia)	9/98	99/2837	2.80 (1.37–5.71)
Vangoitsenhoven, M (Belgium)	2/747	3/1589	1.42 (0.24–8.51)
Jantzen, R (Canada)	5/145	36/504	0.46 (0.18–1.21)
Yan, H (China)	55/8095	523/41150	0.53 (0.40–0.70)
Zhou, H (China)	17/54	26/88	1.10 (0.53–2.28)
Reilev, M (Denmark)	1589/57223	9533/364596	1.06 (1.01–1.12)
Bar, S (France)	13/34	18/66	1.65 (0.69–3.97)
Blanc, F (France)	38/66	51/113	1.65 (0.89–3.05)
Dauchet, L (France)	62/79	125/209	2.45 (1.34–4.48)
Desbois, A-C (France)	6/45	20/154	1.03 (0.39–2.75)
Georges, J-L (France)	148/215	286/469	1.41 (1.00–1.99)
Khider, L (France)	21/30	45/66	1.09 (0.43–2.78)
Kibler, M (France)	12/335	10/367	1.33 (0.57–3.11)
Lairez, O (France)	11/16	20/31	1.21 (0.33–4.39)
Wernhart, S (Germany)	2/17	3/63	2.67 (0.41–17.42)
Chodick, G (Israel)	132/991	1185/13529	1.60 (1.32–1.94)
Fasano, A (Italy)	28/326	77/1160	1.32 (0.84–2.07)
Gnavi, R (Italy, circulatory/diabetes)	93/568	78/458	0.95 (0.69–1.33)
Gnavi, R (Italy, hypertension cohort)	215/1369	101/527	0.79 (0.61–1.02)
Langer, T (Italy)	40/57	84/142	1.62 (0.84–3.14)
Maddaloni, E (Italy)	33/137	46/100	0.37 (0.21–0.65)
Mancia, G (Italy)	2896/15375	3376/21656	1.26 (1.19–1.33)
Miyake, S (Japan)	2/222	14/561	0.36 (0.08–1.58)
Jeon, H-L (South Korea)	992/42990	6085/187575	0.70 (0.66–0.75)
Amat-Santos, IJ (Spain)	5/50	6/52	0.85 (0.24–2.99)
Arenas, MD (Spain)	8/16	26/45	0.73 (0.23–2.30)
Lopez-Otero, D (Spain)	210/72527	755/375452	1.44 (1.24–1.68)
Martín-Sánchez, FJ (Spain)	387/513	803/1480	2.59 (2.07–3.24)
Morales, DR (Spain)	627/45239	250/19007	1.05 (0.91–1.22)
Vila-Corcoles, A (Spain)	110/23873	95/11063	0.53 (0.41–0.70)
Alkurt, G (Turkey)	8/35	111/897	2.10 (0.93–4.73)
Abu-Jamous, B (UK)	11/21	259/500	1.02 (0.43–2.45)
Haroon, S (UK)	148/31194	126/27500	1.04 (0.82–1.31)
Hippisley-Cox, J (UK)	4281/954458	15205/7321491	2.17 (2.09–2.24)
Kempegowda, P (UK)	6/7	14/44	12.86 (1.41–117.2)
McGurnaghan, SJ (UK)	1158/172266	1025/147086	0.96 (0.89–1.05)
McKeigue, P (UK)	745/12585	1633/23806	0.85 (0.78–0.93)
Raisi-Estabragh, Z (UK)	314/1535	1125/5564	1.01 (0.88–1.17)
Rezel-Potts, E (UK)	2712/13596	14154/73407	1.04 (1.00–1.09)
Ullah, AZMD (UK)	54/3412	158/12174	1.22 (0.90–1.67)
Caraballo, C (USA)	64/366	142/534	0.59 (0.42–0.81)
Chang, TS (USA)	65/1828	778/22805	1.04 (0.81–1.35)
Colon, C (USA)	56/85	144/215	0.95 (0.56–1.62)
Dublin, S (USA)	204/56105	622/265939	1.56 (1.33–1.82)
Gubatan, J (USA)	3/23	2/145	10.73 (1.69–68.17)
Mehta, N (USA)	212/2285	1523/16187	0.98 (0.85–1.15)
Morales, DR (USA)	59/10286	58/11008	1.09 (0.76–1.57)
Rentsch, CT (USA)	255/1532	330/2257	1.17 (0.98–1.39)
Reynolds, HR (USA)	1374/2319	4520/10275	1.85 (1.69–2.03)
Shah, SJ (USA)	6/49	27/267	1.24 (0.48–3.18)
<b>Random-effects model</b>	<b>19503/1535439</b>	<b>65735/8987210</b>	<b>1.14 (1.00–1.31)</b>

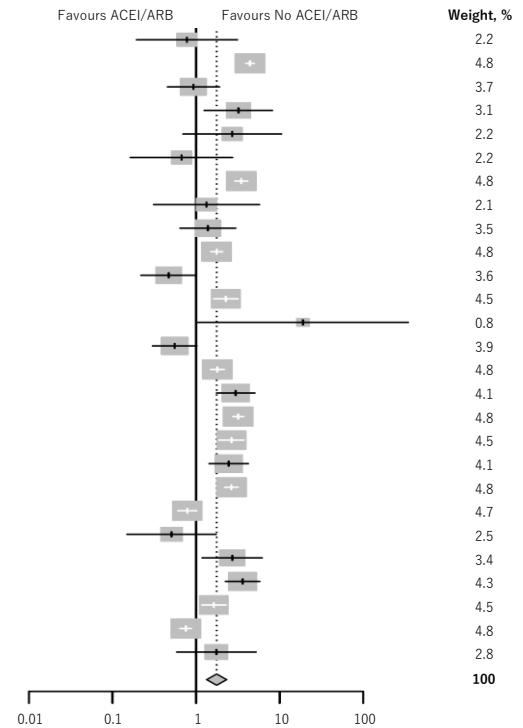
(Q = 1770.63; df = 49; P = 0; I<sup>2</sup> = 97.2%)



## B. Hospitalization

First Author (Country)	ACEI/ARB (Events/Total)	No ACEI/ARB (Events/Total)	Odds ratio (95% CI)
Mazzoleni, L (Belgium)	7/12	18/28	0.78 (0.19–3.10)
Reilev, M (Denmark)	727/1589	1527/9533	4.42 (3.95–4.95)
Caillard, S (France)	97/112	146/167	0.93 (0.46–1.89)
Dauchet, L (France)	56/62	93/125	3.21 (1.26–8.16)
Alberici, F (Italy)	11/14	46/80	2.71 (0.70–10.47)
Felice, C (Italy)	75/82	48/51	0.67 (0.17–2.72)
Giorgi Rossi, P (Italy)	501/818	574/1835	3.47 (2.92–4.12)
Becchetti, C (Multiple)	10/13	30/42	1.33 (0.31–5.70)
Garassino, M (Multiple)	44/55	104/140	1.38 (0.65–2.97)
Jung, S (South Korea)	377/762	1577/4417	1.76 (1.51–2.06)
Golpe, R (Spain)	48/121	21/36	0.47 (0.22–1.00)
Lopez-Otero, D (Spain)	78/210	156/755	2.27 (1.63–3.16)
Ochoa-Callejero, L (Spain)	9/9	24/48	19.00 (1.05–344.77)
Kolin, DA (UK)	58/74	516/595	0.56 (0.30–1.01)
McGurnaghan, SJ (UK)	858/1158	629/1025	1.80 (1.50–2.16)
Chang, TS (USA)	27/65	150/778	2.97 (1.76–5.03)
Dashti, H (USA)	586/1104	795/3036	3.19 (2.76–3.68)
Dublin, S (USA)	85/204	132/622	2.65 (1.89–3.72)
Ebinger, JE (USA)	48/72	166/370	2.46 (1.45–4.18)
Jehi, Lb (USA)	244/653	714/3883	2.65 (2.22–3.16)
Khera, R (USA)	170/1453	117/810	0.78 (0.61–1.01)
Lubetzky, M (USA)	12/19	27/35	0.51 (0.15–1.72)
Nakamichi, K (USA)	12/37	23/153	2.71 (1.20–6.15)
Nguyen, AB (USA)	99/127	194/392	3.61 (2.27–5.74)
Rentsch, CT (USA)	147/255	150/330	1.63 (1.17–2.27)
Schneeweiss, MC (USA)	447/16055	317/8653	0.75 (0.65–0.87)
Wang, B (USA)	18/26	18/32	1.75 (0.59–5.19)
<b>Random-effects model</b>	<b>4851/25161</b>	<b>8312/37971</b>	<b>1.76 (1.34–2.32)</b>

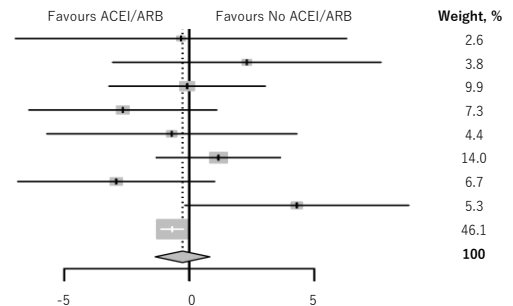
(Q = 553.71; df = 26; P < 0.0001; I<sup>2</sup> = 95.3%)



## C. Hospitalization length (days)

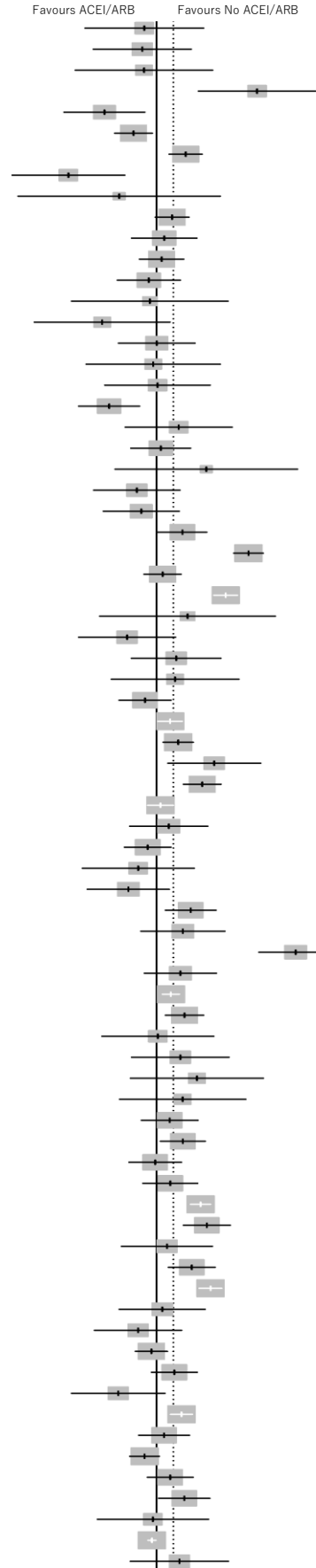
First Author (Country)	ACEI/ARB		No ACEI/ARB		MD (95% CI)
	Total	Mean (SD)	Total	Mean (SD)	
Chen, Y (China)	32	23.67 (14.36)	39	24.00 (13.85)	-0.33 (-6.94; 6.27)
Cui, H (China)	14	19.20 (6.10)	13	16.90 (7.90)	2.30 (-3.05; 7.65)
Hu, J (China)	64	20.42 (9.67)	84	20.50 (9.43)	-0.08 (-3.19; 3.03)
Wang, Wenjun (China)	22	27.41 (6.43)	45	30.07 (8.92)	-2.66 (-6.40; 1.08)
Xie, Y (China)	8	24.80 (6.60)	69	25.50 (8.40)	-0.70 (-5.68; 4.28)
Xu, J (China)	29	12.33 (4.68)	40	11.17 (5.78)	1.17 (-1.30; 3.64)
Yang, G (China)	27	25.60 (9.50)	116	28.52 (8.77)	-2.92 (-6.85; 1.00)
García-Menaya, JM (Spain)	37	15.66 (12.63)	76	11.36 (8.17)	4.30 (-0.16; 8.76)
Richardson, S (USA)	283	4.21 (3.04)	699	4.90 (3.34)	-0.69 (-1.12; -0.25)
<b>Random-effects model</b>	<b>516</b>		<b>1181</b>		<b>-0.27 (-1.36; 0.82)</b>

(Q = 10.50; df = 8; P = 0.2318; I<sup>2</sup> = 23.8%)



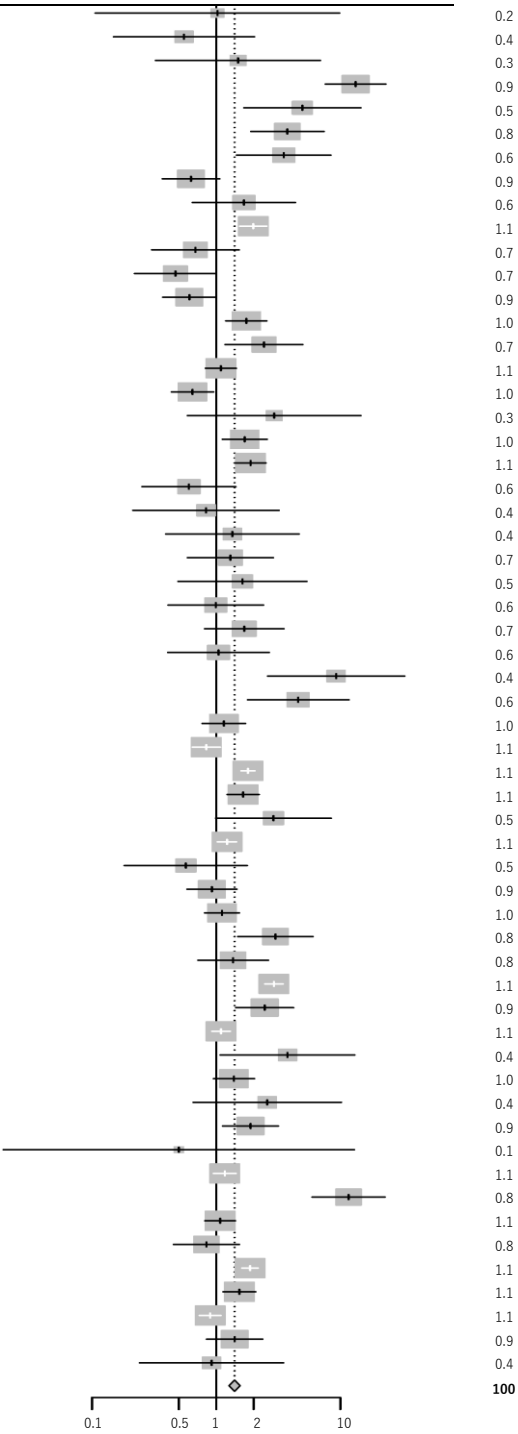
## D. Severity

First Author (Country)	ACEI/ARB (Events/Total)	No ACEI/ARB (Events/Total)	Odds ratio (95% CI)		Weight, %
Duarte, M (Argentina)	6/40	7/38	0.78 (0.24–2.58)		0.5
De Spiegeleer, A (Belgium)	6/30	31/124	0.75 (0.28–2.00)		0.6
Mazzoleni, L (Belgium)	7/12	18/28	0.78 (0.19–3.10)		0.4
Vial, MR (Chile)	9/18	8/69	7.63 (2.34–24.86)		0.5
Chen, Chaolei (China)	7/105	64/377	0.35 (0.16–0.79)		0.7
Chen, Chen (China)	40/355	139/827	0.63 (0.43–0.92)		1.0
Cheng, X (China)	122/193	338/693	1.80 (1.30–2.51)		1.0
Feng, Y (China)	4/33	36/80	0.17 (0.05–0.52)		0.5
Feng, Z (China)	1/16	68/548	0.47 (0.06–3.62)		0.2
Gao, C (China)	74/183	221/667	1.37 (0.98–1.92)		1.0
Hu, J (China)	28/65	33/84	1.17 (0.61–2.26)		0.8
Li, J (China)	57/115	116/247	1.11 (0.71–1.73)		1.0
Li, X (China)	19/42	247/503	0.86 (0.46–1.61)		0.8
Li, Y (China)	2/13	21/122	0.87 (0.18–4.24)		0.3
Meng, J (China)	4/17	12/25	0.33 (0.08–1.31)		0.4
Pan, W (China)	31/41	182/241	1.00 (0.46–2.17)		0.7
Peng, YD (China)	3/22	13/90	0.94 (0.24–3.62)		0.4
Shi, X (China)	10/24	14/34	1.02 (0.35–2.95)		0.5
Su, L (China)	22/74	65/124	0.38 (0.21–0.71)		0.8
Wang, W (China)	15/22	26/45	1.57 (0.53–4.59)		0.5
Wang, Z (China)	26/81	39/129	1.09 (0.60–1.99)		0.8
Wei, J-F (China)	3/5	34/96	2.74 (0.44–17.18)		0.2
Xu, J (China)	11/40	22/61	0.67 (0.28–1.60)		0.6
Yang, G (China)	15/43	35/83	0.73 (0.34–1.58)		0.7
Zhang, P (China)	24/188	75/940	1.69 (1.04–2.75)		0.9
Zhou, J (China (Hong Kong))	86/493	126/3952	6.42 (4.79–8.60)		1.1
Holt, A (Denmark)	57/225	107/464	1.13 (0.78–1.64)		1.0
Reilev, M (Denmark)	122/1589	192/9533	4.05 (3.2–5.11)		1.1
Feuth, T (Finland)	3/9	4/19	1.88 (0.32–11.02)		0.3
Allenbach, Y (France)	6/28	41/124	0.55 (0.21–1.47)		0.6
Basse, C (France)	9/29	26/112	1.49 (0.60–3.66)		0.6
Benotmane, I (France)	8/15	11/25	1.45 (0.40–5.26)		0.4
Caillard, S (France)	39/97	67/146	0.79 (0.47–1.33)		0.9
Cariou, B (France)	232/737	150/580	1.32 (1.03–1.68)		1.1
Cordeanu, E-M (France)	179/282	259/490	1.55 (1.15–2.09)		1.1
Dauchet, L (France)	56/62	93/125	3.21 (1.26–8.16)		0.6
DSC Group (France)	57/165	119/687	2.52 (1.73–3.67)		1.0
Kaeuffer, C (France)	156/373	268/672	1.08 (0.84–1.40)		1.1
Lafaurie, M (France)	41/73	19/38	1.28 (0.58–2.81)		0.7
Lahens, A (France)	39/117	86/230	0.84 (0.52–1.34)		0.9
Lamure, S (France)	5/22	20/67	0.69 (0.22–2.13)		0.5
Lano, G (France)	11/39	34/83	0.57 (0.25–1.29)		0.7
Liabeuf, S (France)	52/96	64/172	1.99 (1.20–3.31)		0.9
Meszaros, M (France)	32/68	12/35	1.70 (0.73–3.97)		0.7
Million, M (France)	14/40	32/1021	16.64 (7.95–34.84)		0.7
Oussalah, A (France)	26/43	50/103	1.62 (0.79–3.34)		0.7
Sutter, W (France)	317/956	513/1895	1.34 (1.13–1.58)		1.1
Pinto-Sietsma, S-J (German/Netherlands)	82/134	300/635	1.76 (1.20–2.58)		1.0
Dreher, M (Germany)	14/29	10/21	1.03 (0.33–3.16)		0.5
Sacco, V (Germany)	7/22	32/143	1.62 (0.61–4.31)		0.6
Trump, S (Germany)	53/56	78/88	2.27 (0.60–8.62)		0.4
Ashraf, MA (Iran)	4/19	11/81	1.70 (0.48–6.06)		0.4
Rahmani, H (Iran)	38/72	65/141	1.31 (0.74–2.31)		0.9
Rastad, H (Iran)	51/190	47/265	1.70 (1.09–2.67)		0.9
Saleknezhad, N (Iran)	26/98	69/255	0.97 (0.57–1.65)		0.9
Soleimani, A (Iran)	91/122	91/132	1.32 (0.76–2.29)		0.9
Yahyavi, A (Iran)	283/500	716/2053	2.44 (2.00–2.97)		1.1
Anzola, GPb (Italy)	111/140	169/291	2.76 (1.73–4.42)		0.9
Avruscio, G (Italy)	14/27	27/58	1.24 (0.50–3.09)		0.6
Benelli, G (Italy)	42/110	70/301	2.04 (1.28–3.26)		0.9
Bravi, F (Italy)	267/450	379/1153	2.98 (2.38–3.73)		1.1
Covino, M (Italy)	20/111	9/55	1.12 (0.47–2.66)		0.6
Di Bella, S (Italy)	11/25	57/107	0.69 (0.29–1.66)		0.6
Di Tanoa, G (Italy)	67/278	196/753	0.90 (0.66–1.24)		1.0
Fadini, GP (Italy)	42/144	60/269	1.43 (0.91–2.27)		0.9
Felice, C (Italy)	61/82	44/51	0.46 (0.18–1.18)		0.6
Iaccarino, G (Italy)	202/970	193/1408	1.66 (1.33–2.06)		1.1
Maddaloni, E (Italy)	42/86	86/191	1.17 (0.70–1.94)		0.9
Palazzuoli, A (Italy)	119/301	214/471	0.79 (0.59–1.05)		1.1
Parigi, TL (Italy)	57/114	91/211	1.32 (0.83–2.08)		0.9
Santus, P (Italy)	96/120	203/292	1.75 (1.05–2.93)		0.9
Sardu, Ca (Italy)	23/45	9/17	0.93 (0.30–2.84)		0.5
Trifirò, G (Italy)	913/9522	3479/33404	0.91 (0.84–0.99)		1.1
Zangrillo, Ab (Italy)	16/24	34/61	1.59 (0.59–4.26)		0.6



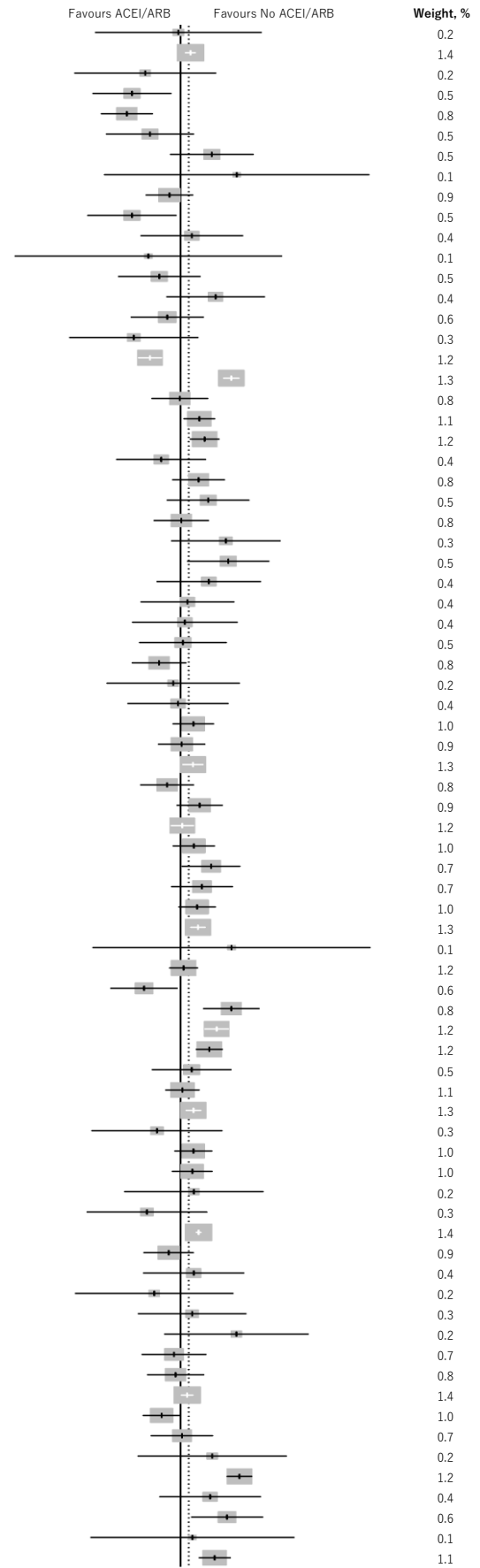
Higuchi, T (Japan)	1/8	6/49	1.02 (0.11–9.84)
Matsuzawa, Y (Japan)	11/21	12/18	0.55 (0.15–2.02)
Becchetti, C (Multiple)	3/13	7/42	1.50 (0.33–6.89)
Alrashed, AA (Saudi Arabia)	126/146	67/208	13.26 (7.62–23.08)
Choi, MH (South Korea)	6/16	30/277	4.94 (1.68–14.56)
Jung, SY (South Korea)	14/762	22/4417	3.74 (1.90–7.34)
Lim, J (South Korea)	14/30	20/100	3.50 (1.47–8.34)
Castilla, EH (Spain)	35/183	37/135	0.63 (0.37–1.06)
Crispi, F (Spain)	6/27	54/370	1.67 (0.65–4.33)
de Abajo, FJ (Spain)	215/497	178/642	1.99 (1.55–2.55)
Favà, A (Spain)	18/37	39/67	0.68 (0.30–1.52)
Golpe, R (Spain)	48/121	21/36	0.47 (0.22–1.00)
Jurado, A (Spain)	56/191	45/111	0.61 (0.37–0.99)
Lalueza, A (Spain)	75/173	106/348	1.75 (1.20–2.55)
Lopez-Otero, D (Spain)	13/210	20/755	2.43 (1.19–4.96)
Marcos, M (Spain)	122/298	241/620	1.09 (0.82–1.44)
Negreira-Caamaño, M (Spain)	124/392	64/153	0.64 (0.44–0.95)
Ochoa-Callejero, L (Spain)	3/9	7/48	2.93 (0.59–14.52)
Rodríguez-Molinero, A (Spain)	94/149	135/269	1.70 (1.13–2.56)
Romero-Sánchez, CM (Spain)	163/338	166/503	1.89 (1.42–2.51)
Trullàs, JC (Spain)	11/38	25/62	0.60 (0.25–1.43)
Yarza, R (Spain)	5/10	29/53	0.83 (0.21–3.20)
Falck-Jones, S (Sweden)	6/11	64/136	1.35 (0.39–4.64)
Regina, J (Switzerland)	11/51	26/149	1.30 (0.59–2.87)
Pongpirul, W (Thailand)	4/17	28/176	1.63 (0.49–5.35)
Arslan, F (Turkey)	7/44	37/231	0.99 (0.41–2.39)
Gormez, S (Turkey)	13/49	35/198	1.68 (0.81–3.50)
Kocayigit, I (Turkey)	38/142	7/27	1.04 (0.41–2.67)
Özger, HS (Turkey)	8/12	29/163	9.24 (2.61–32.76)
Selçuk, M (Turkey)	37/74	7/39	4.57 (1.79–11.66)
Senkal, N (Turkey)	48/165	117/446	1.15 (0.78–1.72)
Bean, DM (UK)	127/399	288/801	0.83 (0.64–1.07)
Hippisley-Cox, J (UK)	420/4281	866/15205	1.80 (1.59–2.03)
Izzi-Engbeaya, C (UK)	119/267	204/622	1.65 (1.23–2.21)
Khan, KS (UK)	9/27	9/61	2.89 (0.99–8.41)
McGurnaghan, SJ (UK)	474/1158	371/1025	1.22 (1.03–1.45)
Russell, B (UK)	4/33	24/123	0.57 (0.18–1.77)
Adrish, M (USA)	42/91	182/378	0.92 (0.58–1.46)
Argenziano, MG (USA)	71/284	165/716	1.11 (0.81–1.53)
Bae, D (USA)	13/78	32/512	3.00 (1.50–6.01)
Daniels, LB (USA)	32/55	58/115	1.37 (0.71–2.62)
Dashti, H (USA)	348/1104	414/3036	2.92 (2.47–3.43)
Ebinger, JE (USA)	48/72	166/370	2.46 (1.45–4.18)
El-Solh, AA (USA)	241/2781	402/5035	1.09 (0.93–1.29)
Ferguson, J (USA)	7/13	14/59	3.75 (1.08–13.02)
Garibaldi, BT (USA)	55/151	174/596	1.39 (0.95–2.02)
Goshua, G (USA)	15/18	33/50	2.58 (0.65–10.14)
Jackson, BR (USA)	41/111	44/186	1.89 (1.13–3.16)
Jillella, DV (USA)	2/3	4/5	0.50 (0.02–12.9)
Kim, L (USA)	201/573	417/1322	1.17 (0.95–1.44)
Mehhta, N (USA)	22/212	15/1523	11.64 (5.94–22.83)
Nicholson, CJ (USA)	125/288	276/663	1.08 (0.81–1.42)
Palaodimos, L (USA)	26/62	64/138	0.84 (0.46–1.53)
Reynolds, HR (USA)	336/1374	666/4520	1.87 (1.62–2.17)
Richardson, S (USA)	87/413	141/953	1.54 (1.14–2.07)
Schneeweiss, MC (USA)	271/16055	163/8653	0.89 (0.74–1.09)
Song, SL (USA)	46/110	47/139	1.41 (0.84–2.36)
Valeri, AM (USA)	4/13	15/46	0.92 (0.24–3.47)
<b>Random-effects model</b>	<b>9366/55386</b>	<b>17831/127455</b>	<b>1.41 (1.27–1.56)</b>

(Q = 998.27; df = 132; P < 0.0001; I<sup>2</sup> = 86.8%)



## E. Mortality

First Author (Country)	ACEI/ARB (Events/Total)	No ACEI/ARB (Events/Total)	Odds ratio (95% CI)
Duarte, M (Argentina)	2/40	2/38	0.95 (0.13–7.09)
Catteau, L (Belgium)	540/2174	1388/6733	1.27 (1.14–1.43)
Mazzoleni, L (Belgium)	2/12	9/28	0.42 (0.08–2.34)
Chen, Chaolei (China)	5/105	53/377	0.31 (0.12–0.79)
Chen, Chen (China)	12/355	95/827	0.27 (0.15–0.50)
Gao, C (China)	4/183	30/667	0.47 (0.17–1.36)
Guo, T (China)	7/19	36/168	2.14 (0.79–5.83)
Hu, J (China)	1/65	0/84	3.93 (0.16–98.07)
Li, J (China)	21/115	56/247	0.76 (0.44–1.33)
Pan, W (China)	4/41	63/241	0.31 (0.10–0.89)
Peng, YD (China)	4/22	13/90	1.32 (0.38–4.51)
Shi, X (China)	0/24	1/34	0.46 (0.02–11.67)
Su, L (China)	6/74	16/124	0.60 (0.22–1.60)
Wang, Z (China)	7/81	5/129	2.35 (0.72–7.66)
Xu, J (China)	11/40	21/61	0.72 (0.30–1.73)
Yang, G (China)	2/43	11/83	0.32 (0.07–1.51)
Zhou, F (China)	70/906	272/1812	0.47 (0.36–0.62)
Reilev, M (Denmark)	198/1589	379/9533	3.44 (2.87–4.12)
Caillard, S (France)	17/97	26/146	0.98 (0.50–1.92)
Cariou, B (France)	92/737	48/580	1.58 (1.09–2.28)
Cordeanu, E-M (France)	82/282	91/490	1.80 (1.28–2.53)
Lafaurie, M (France)	9/73	7/38	0.62 (0.21–1.83)
Lahens, A (France)	20/117	27/230	1.55 (0.83–2.90)
Lamure, S (France)	10/22	20/67	1.96 (0.73–5.26)
Liabeuf, S (France)	17/96	30/172	1.02 (0.53–1.96)
Meszaros, M (France)	15/68	3/35	3.02 (0.81–11.24)
Oussalah, A (France)	10/43	9/104	3.20 (1.20–8.55)
Tanaka, S (France)	7/16	9/32	1.99 (0.57–6.96)
Vrillon, A (France)	6/19	16/57	1.18 (0.38–3.65)
Daher, A (Germany)	8/34	5/23	1.11 (0.31–3.94)
Rath, D (Germany)	8/60	8/63	1.06 (0.37–3.02)
Alamdari, NM (Iran)	13/134	50/325	0.59 (0.31–1.13)
Ashraf, MA (Iran)	2/19	10/81	0.84 (0.17–4.17)
Mirsoleymani, S (Iran)	4/23	15/82	0.94 (0.28–3.17)
Rastad, H (Iran)	38/190	41/265	1.37 (0.84–2.22)
Soleimani, A (Iran)	33/122	35/132	1.03 (0.59–1.79)
Yahyavi, A (Iran)	113/500	365/2053	1.35 (1.06–1.71)
Anzola, GP (Italy)	29/139	22/82	0.72 (0.38–1.36)
Benelli, G (Italy)	25/110	47/301	1.59 (0.92–2.74)
Braude, P (Italy/UK)	106/392	257/979	1.04 (0.80–1.36)
Cannata, F (Italy)	39/173	39/224	1.38 (0.84–2.27)
Conversano, A (Italy)	21/69	21/122	2.10 (1.05–4.22)
Covino, M (Italy)	38/111	13/55	1.68 (0.81–3.51)
Desai, A (Italy)	40/154	80/421	1.50 (0.97–2.31)
Di Castelnuovo, A (Italy)	269/1262	423/2807	1.53 (1.29–1.81)
Di Gennaro, F (Italy)	1/7	0/7	3.46 (0.12–100.51)
Di Tanoa, G (Italy)	61/278	156/753	1.08 (0.77–1.50)
Felice, C (Italy)	15/82	18/51	0.41 (0.18–0.92)
Giacomelli, A (Italy)	23/62	25/171	3.44 (1.77–6.71)
Giorgi Rossi, P (Italy)	108/818	109/1835	2.41 (1.82–3.19)
Iaccarino, G (Italy)	106/655	82/936	2.01 (1.48–2.73)
Inciardi, RM (Italy)	9/30	17/69	1.31 (0.51–3.40)
Palazzuoli, A (Italy)	47/304	71/477	1.05 (0.70–1.56)
Polverino, F (Italy)	302/951	487/1917	1.37 (1.15–1.62)
Rossi, R (Italy)	27/63	4/7	0.56 (0.12–2.73)
Russo, Vb (Italy)	50/170	57/244	1.37 (0.88–2.13)
Santus, P (Italy)	35/120	69/292	1.33 (0.83–2.14)
Sardu, Ca (Italy)	7/45	2/17	1.38 (0.26–7.42)
Trecarichi, E (Italy)	3/16	11/32	0.44 (0.10–1.88)
Trifirò, G (Italy)	3146/9522	8059/33404	1.55 (1.48–1.63)
Violi, F (Italy)	19/111	45/208	0.75 (0.41–1.36)
Zangrillo, Aa (Italy)	5/18	12/55	1.38 (0.41–4.64)
Matsuzawa, Y (Japan)	2/21	3/18	0.53 (0.08–3.56)
Ayed, M (Kuwait)	5/10	40/93	1.33 (0.36–4.89)
Becchetti, C (Multiple)	3/13	3/42	3.90 (0.68–22.32)
Cravedi, P (Multiple)	13/44	33/100	0.85 (0.39–1.84)
Garassino, M (Multiple)	17/53	47/135	0.88 (0.45–1.74)
GeMRC (Multiple)	405/1330	1191/4381	1.17 (1.03–1.34)
Jung, C (Multiple)	62/157	85/167	0.63 (0.41–0.98)
Gameiro, J (Portugal)	15/81	20/111	1.03 (0.49–2.17)
Alrashed, AA (Saudi Arabia)	3/146	2/208	2.16 (0.36–13.1)
An, C (South Korea)	67/970	161/9267	4.20 (3.13–5.63)
Hwang, JM (South Korea)	5/13	21/90	2.05 (0.61–6.95)
Lim, J (South Korea)	14/30	22/100	3.10 (1.31–7.33)
Amat-Santos, IJ (Spain)	2/5	2/6	1.33 (0.11–15.7)
Aparisi, A (Spain)	84/266	65/388	2.29 (1.58–3.32)



Castilla, EH (Spain)	23/183	20/135	0.83 (0.43–1.58)
Favà, A (Spain)	10/37	18/67	1.01 (0.41–2.49)
Graziani, D (Spain)	47/550	27/243	0.75 (0.45–1.23)
Lopez-Otero, D (Spain)	11/210	27/755	1.49 (0.73–3.06)
López-Zúñiga, MA (Spain)	16/131	31/187	0.70 (0.37–1.34)
Lorente-Ros, A (Spain)	60/225	80/482	1.83 (1.25–2.67)
Mostaza, JM (Spain)	65/212	80/192	0.62 (0.41–0.93)
Muñoz, PJA (Spain)	82/333	89/560	1.73 (1.23–2.42)
Negreira-Caamaño, M (Spain)	119/392	63/153	0.62 (0.42–0.92)
Pérez-Sáez, MJ (Spain)	10/26	16/54	1.48 (0.56–3.97)
Poblador-Plou, B (Spain)	159/631	612/3781	1.74 (1.43–2.13)
Rodilla, E (Spain)	1179/4238	1451/7988	1.74 (1.59–1.90)
Rodríguez-Molinero, A (Spain)	37/149	42/269	1.79 (1.09–2.93)
Romero-Cristóbal, M (Spain)	38/77	46/137	1.93 (1.09–3.41)
Ruiz-Antorán, B (Spain)	66/198	54/308	2.35 (1.55–3.57)
Yarza, R (Spain)	1/10	15/53	0.28 (0.03–2.42)
Falck-Jones, S (Sweden)	1/11	11/136	1.14 (0.13–9.72)
Tehrani, S (Sweden)	28/89	42/166	1.36 (0.77–2.39)
Kocayigit, I (Turkey)	26/142	4/27	1.29 (0.41–4.05)
Selçuk, M (Turkey)	31/74	4/39	6.31 (2.03–19.58)
Senkal, N (Turkey)	7/104	5/52	0.68 (0.20–2.25)
Abu-Jamous, B (UK)	6/19	130/226	0.34 (0.13–0.93)
Baker, KF (UK)	17/70	63/216	0.78 (0.42–1.45)
Bean, DM (UK)	106/399	182/801	1.23 (0.93–1.62)
Chinnadurai, R (UK)	17/54	69/161	0.61 (0.32–1.18)
Desborough, MJR (UK)	8/20	12/46	1.89 (0.62–5.73)
Goodall, JW (UK)	104/255	250/726	1.31 (0.98–1.76)
Khan, KS (UK)	5/27	14/61	0.76 (0.24–2.39)
Philipose, Z (UK)	55/128	144/338	1.02 (0.67–1.53)
Rezel-Potts, E (UK)	254/2712	667/14154	2.09 (1.80–2.43)
Ullah, AZMD (UK)	19/54	35/158	1.91 (0.97–3.74)
Adrish, M (USA)	32/91	138/378	0.94 (0.58–1.52)
Bae, D (USA)	1/78	5/512	1.32 (0.15–11.42)
Bhatti, S (USA)	18/43	27/103	2.03 (0.96–4.28)
Caraballo, C (USA)	7/58	27/148	0.62 (0.25–1.50)
Dashti, H (USA)	118/1104	69/3036	5.15 (3.79–6.99)
Garibaldi, BT (USA)	11/151	102/596	0.38 (0.20–0.73)
Gayam, V (USA)	12/32	120/375	1.28 (0.60–2.69)
Gupta, S (USA)	311/766	473/1449	1.41 (1.18–1.69)
Imam, Z (USA)	105/565	95/740	1.55 (1.15–2.10)
Ip, A (USA)	137/460	262/669	0.66 (0.51–0.85)
Jackson, BR (USA)	25/111	26/186	1.79 (0.97–3.29)
Khera, R (USA)	664/4587	466/3346	1.05 (0.92–1.19)
Kim, L (USA, ACEI)	53/316	264/1576	1.00 (0.72–1.38)
Lam, K (USA)	58/335	62/279	0.73 (0.49–1.09)
Mehta, N (USA)	8/211	34/1494	1.69 (0.77–3.71)
Nguyen, AB (USA)	11/99	19/194	1.15 (0.52–2.53)
Nicholson, CJ (USA)	67/314	144/726	1.10 (0.79–1.52)
Palaiodimos, L (USA)	13/62	35/138	0.78 (0.38–1.61)
Raad, M (USA)	62/361	118/659	0.95 (0.68–1.33)
Richardson, S (USA)	130/413	254/953	1.26 (0.98–1.63)
Saeed, O (USA)	76/361	653/1905	0.51 (0.39–0.67)
Song, SL (USA)	26/110	16/139	2.38 (1.20–4.71)
Valeri, AM (USA)	3/13	15/46	0.62 (0.15–2.59)
Wang, B (USA)	9/26	5/32	2.86 (0.82–9.98)
<b>Random-effects model</b>	<b>11192/49768</b>	<b>22818/139173</b>	<b>1.22 (1.12–1.33)</b>

(Q = 785.33; df = 130; P < 0.0001; I<sup>2</sup> = 83.4%)

