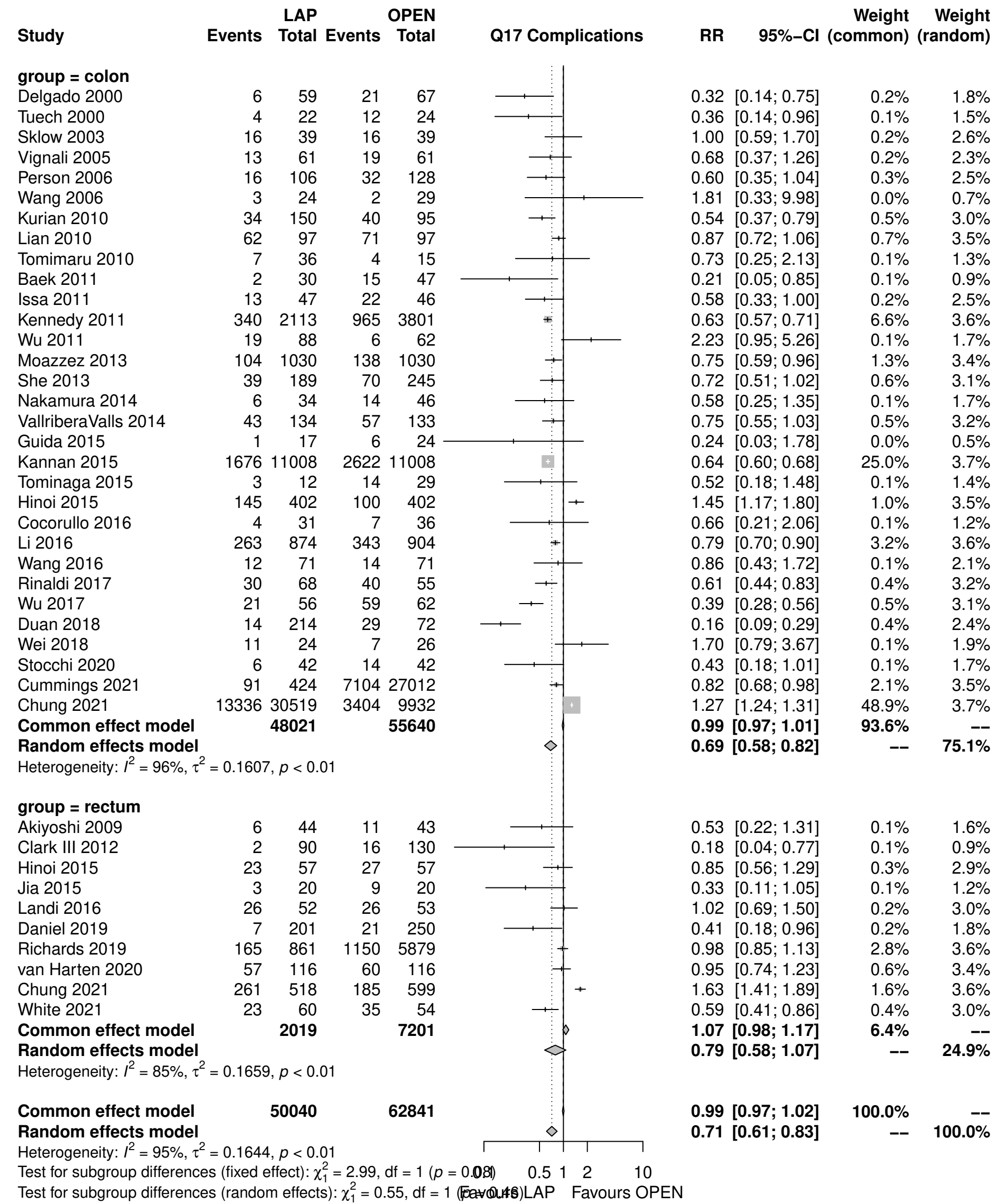


Study	Events	LAP		OPEN		Q17 Complications	RR	95%-CI	Weight (common)	Weight (random)
		Total	Events	Total	Events					
Delgado 2000	6	59	21	67		0.32	[0.14; 0.75]	0.1%	0.8%	
Tuech 2000	4	22	12	24		0.36	[0.14; 0.96]	0.1%	0.6%	
Law 2002	19	65	37	89		0.70	[0.45; 1.10]	0.2%	1.4%	
Sklow 2003	16	39	16	39		1.00	[0.59; 1.70]	0.1%	1.2%	
Matsuoka 2004	5	14	15	60		1.43	[0.62; 3.27]	0.0%	0.8%	
Vignali 2005	13	61	19	61		0.68	[0.37; 1.26]	0.1%	1.1%	
Feng 2006	9	51	38	102		0.47	[0.25; 0.90]	0.2%	1.0%	
Person 2006	16	106	32	128		0.60	[0.35; 1.04]	0.2%	1.2%	
Wang 2006	3	24	2	29		1.81	[0.33; 9.98]	0.0%	0.3%	
Hester 2007	25	101	5	101		5.00	[1.99; 12.54]	0.0%	0.7%	
Frasson 2008	18	89	42	112		0.54	[0.33; 0.87]	0.2%	1.3%	
Akiyoshi 2009	6	44	11	43		0.53	[0.22; 1.31]	0.1%	0.7%	
Allerdyce 2010	64	127	77	160		1.05	[0.83; 1.33]	0.4%	1.9%	
Kurian 2010	34	150	40	95		0.54	[0.37; 0.79]	0.3%	1.6%	
Lian 2010	62	97	71	97		0.87	[0.72; 1.06]	0.4%	2.0%	
Tei 2010	14	48	57	81		0.41	[0.26; 0.66]	0.3%	1.4%	
Tomimaru 2010	7	36	4	15		0.73	[0.25; 2.13]	0.0%	0.5%	
Baek 2011	2	30	15	47		0.21	[0.05; 0.85]	0.1%	0.4%	
Issa 2011	13	47	22	46		0.58	[0.33; 1.00]	0.1%	1.2%	
Kennedy 2011	340	2113	965	3801		0.63	[0.57; 0.71]	4.3%	2.1%	
Pinto 2011	30	83	68	116		0.62	[0.45; 0.85]	0.4%	1.7%	
Wu 2011	19	88	6	62		2.23	[0.95; 5.26]	0.0%	0.7%	
Altuntas 2012	11	56	5	34		1.34	[0.51; 3.51]	0.0%	0.6%	
Clark III 2012	2	90	16	130		0.18	[0.04; 0.77]	0.1%	0.3%	
Tan 2012	46	225	105	502		0.98	[0.72; 1.33]	0.4%	1.7%	
Hatakeyama 2013	18	48	15	34		0.85	[0.50; 1.44]	0.1%	1.2%	
Moazzez 2013	104	1030	138	1030		0.75	[0.59; 0.96]	0.9%	1.9%	
Scarpa 2013	15	33	19	24		0.57	[0.37; 0.88]	0.1%	1.5%	
She 2013	39	189	70	245		0.72	[0.51; 1.02]	0.4%	1.6%	
Fujii 2014	23	100	36	100		0.64	[0.41; 1.00]	0.2%	1.4%	
Miyasaka 2014	3	28	29	79		0.29	[0.10; 0.88]	0.1%	0.5%	
Mukai 2014	5	44	10	37		0.42	[0.16; 1.12]	0.1%	0.6%	
Nakamura 2014	6	34	14	46		0.58	[0.25; 1.35]	0.1%	0.7%	
VallriberaValls 2014	43	134	57	133		0.75	[0.55; 1.03]	0.4%	1.7%	
Chen 2015	29	32	37	55		1.35	[1.09; 1.67]	0.2%	1.9%	
Guida 2015	1	17	6	24		0.24	[0.03; 1.78]	0.0%	0.2%	
Hinoi 2015	127	459	168	459		0.76	[0.62; 0.91]	1.0%	2.0%	
Jia 2015	3	20	9	20		0.33	[0.11; 1.05]	0.1%	0.5%	
Kannan 2015	1676	11008	2622	11008		0.64	[0.60; 0.68]	16.2%	2.1%	
Kohn 2015	24	36	20	36		1.20	[0.83; 1.74]	0.1%	1.6%	
Nitsu 2015	26	103	119	295		0.63	[0.44; 0.90]	0.4%	1.6%	
Tominaga 2015	3	12	14	29		0.52	[0.18; 1.48]	0.1%	0.6%	
Weng 2015	22	112	60	182		0.60	[0.39; 0.91]	0.3%	1.5%	
Cocorullo 2016	4	31	7	36		0.66	[0.21; 2.06]	0.0%	0.5%	
Landi 2016	26	52	26	53		1.02	[0.69; 1.50]	0.2%	1.5%	
Li 2016	263	874	343	904		0.79	[0.70; 0.90]	2.1%	2.1%	
Moon 2016	23	71	32	71		0.72	[0.47; 1.10]	0.2%	1.5%	
Nishikawa 2016	19	62	37	88		0.73	[0.47; 1.14]	0.2%	1.4%	
Shigeta 2016	4	52	19	55		0.22	[0.08; 0.61]	0.1%	0.6%	
Wang 2016	12	71	14	71		0.86	[0.43; 1.72]	0.1%	0.9%	
Yap 2016	4	26	9	20		0.34	[0.12; 0.95]	0.1%	0.6%	
Devoto 2017	31	135	54	157		0.67	[0.46; 0.97]	0.3%	1.6%	
Rinaldi 2017	30	68	40	55		0.61	[0.44; 0.83]	0.3%	1.7%	
Wu 2017	21	56	59	62		0.39	[0.28; 0.56]	0.3%	1.6%	
Yamamoto 2017	43	153	66	153		0.65	[0.48; 0.89]	0.4%	1.7%	
Chen 2018	12	16	17	21		0.93	[0.65; 1.32]	0.1%	1.6%	
Chern 2018	54	336	137	797		0.93	[0.70; 1.25]	0.5%	1.8%	
De Angelis 2018	18	43	27	43		0.67	[0.44; 1.02]	0.2%	1.5%	
Duan 2018	14	214	29	72		0.16	[0.09; 0.29]	0.3%	1.1%	
Miguchi 2018	11	52	21	52		0.52	[0.28; 0.97]	0.1%	1.1%	
Troian 2018	73	112	51	76		0.97	[0.79; 1.20]	0.4%	1.9%	
Wei 2018	11	24	7	26		1.70	[0.79; 3.67]	0.0%	0.8%	
Chang 2019	28	157	352	699		0.35	[0.25; 0.50]	0.8%	1.6%	
Daniel 2019	7	201	21	250		0.41	[0.18; 0.96]	0.1%	0.8%	
Inoue 2019	5	33	39	89		0.35	[0.15; 0.80]	0.1%	0.8%	
Key 2019	68	107	14	33		1.50	[0.98; 2.29]	0.1%	1.5%	
Nishikawa 2019	8	47	16	43		0.46	[0.22; 0.96]	0.1%	0.9%	
Richards 2019	165	861	1150	5879		0.98	[0.85; 1.13]	1.8%	2.0%	
Zhou 2019	10	93	25	93		0.40	[0.20; 0.79]	0.2%	1.0%	
Chern 2020	47	305	118	662		0.86	[0.63; 1.18]	0.5%	1.7%	
Hashida 2020	0	82	2	26		0.06	[0.00; 1.30]	0.0%	0.1%	
Sotirova 2020	9	39	5	39		1.80	[0.66; 4.89]	0.0%	0.6%	
Stocchi 2020	6	42	14	42		0.43	[0.18; 1.01]	0.1%	0.7%	
Ueda 2020	12	85	8	25		0.44	[0.20; 0.96]	0.1%	0.8%	
van Harten 2020	57	116	60	116		0.95	[0.74; 1.23]	0.4%	1.8%	
Chung 2021	3589	10450	13597	31017		0.78	[0.76; 0.81]	42.4%	2.1%	
Cummings 2021	91	424	7104	27012		0.82	[0.68; 0.98]	1.4%	2.0%	
Huang 2021	7	73	8	73		0.88	[0.33; 2.29]	0.0%	0.6%	
Keller 2021	1738	4252	2993	5125		0.70	[0.67; 0.73]	16.8%	2.1%	
Miguchi 2021	18	48	22	48		0.82	[0.51; 1.32]	0.1%	1.3%	
White 2021	23	60	35	54		0.59	[0.41; 0.86]	0.2%	1.6%	
<b>Common effect model</b>		<b>37227</b>		<b>94014</b>		<b>0.73</b>	<b>[0.72; 0.75]</b>	<b>100.0%</b>	<b>--</b>	
<b>Random effects model</b>						<b>0.70</b>	<b>[0.64; 0.77]</b>	<b>--</b>	<b>100.0%</b>	

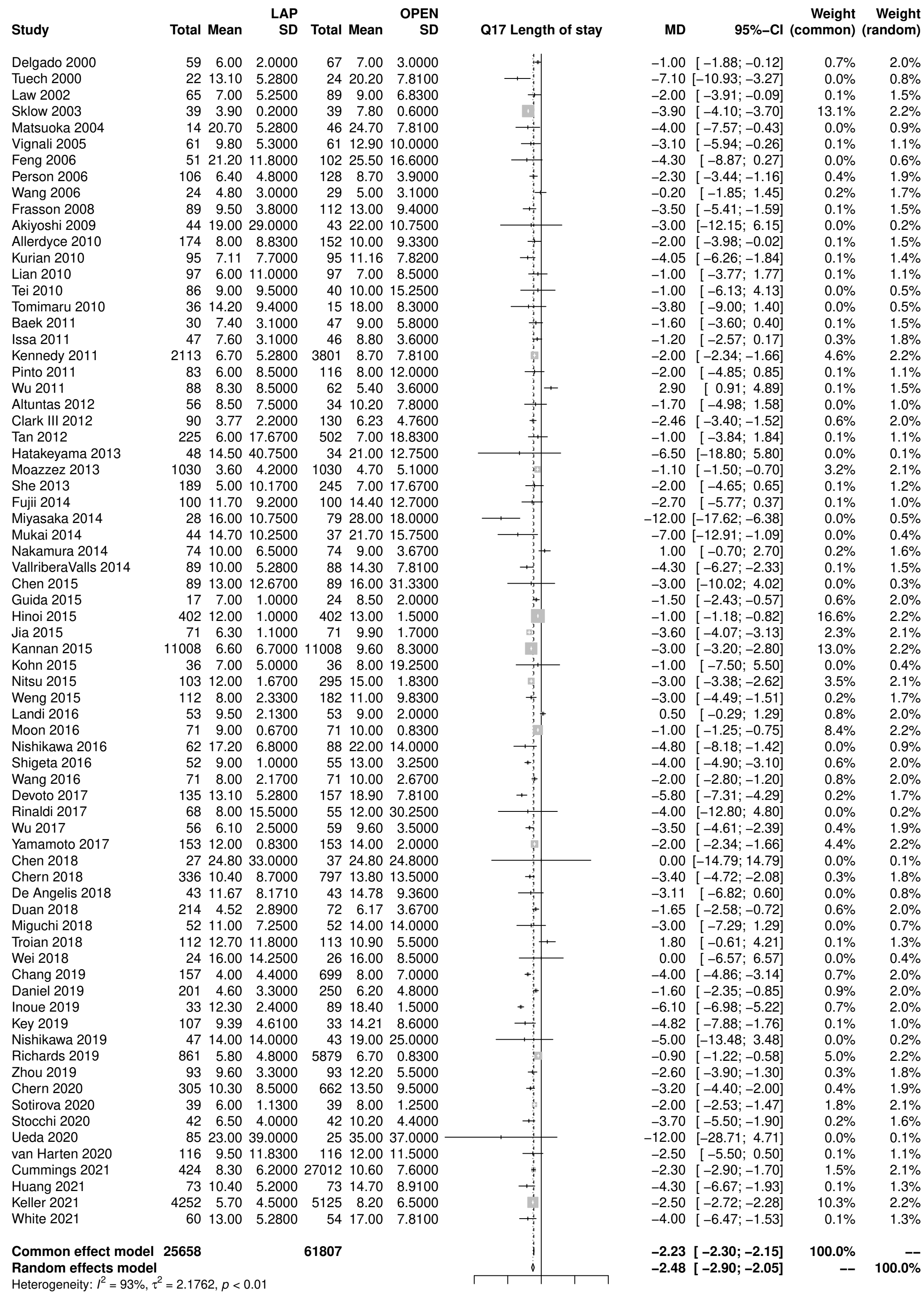
Heterogeneity:  $I^2 = 74\%$ ,  $\tau^2 = 0.0998$ ,  $p < 0.01$

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Favours LAP Favours OPEN

Q17 Complications - Subgroups

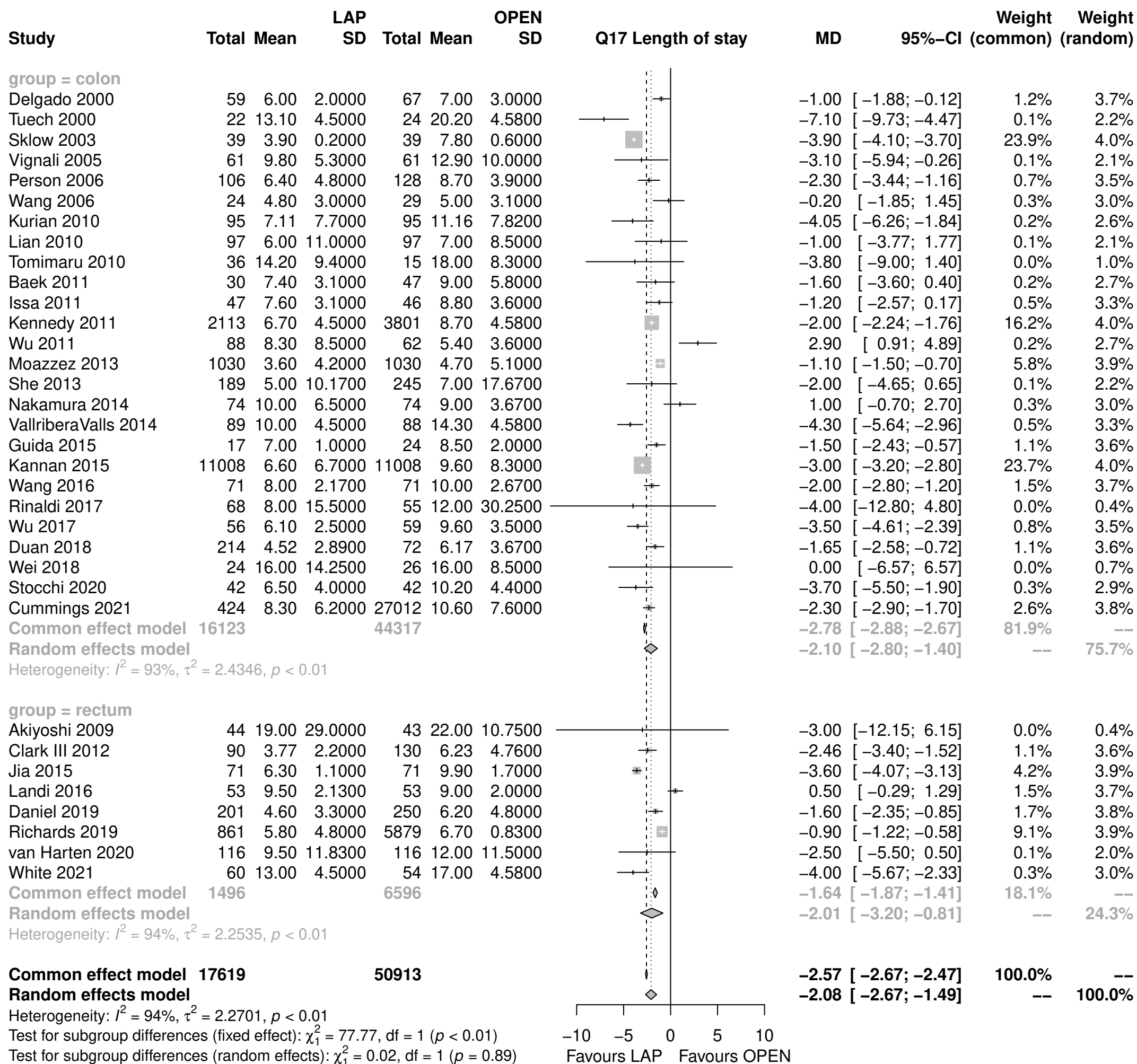


## Q17 Length of Stay

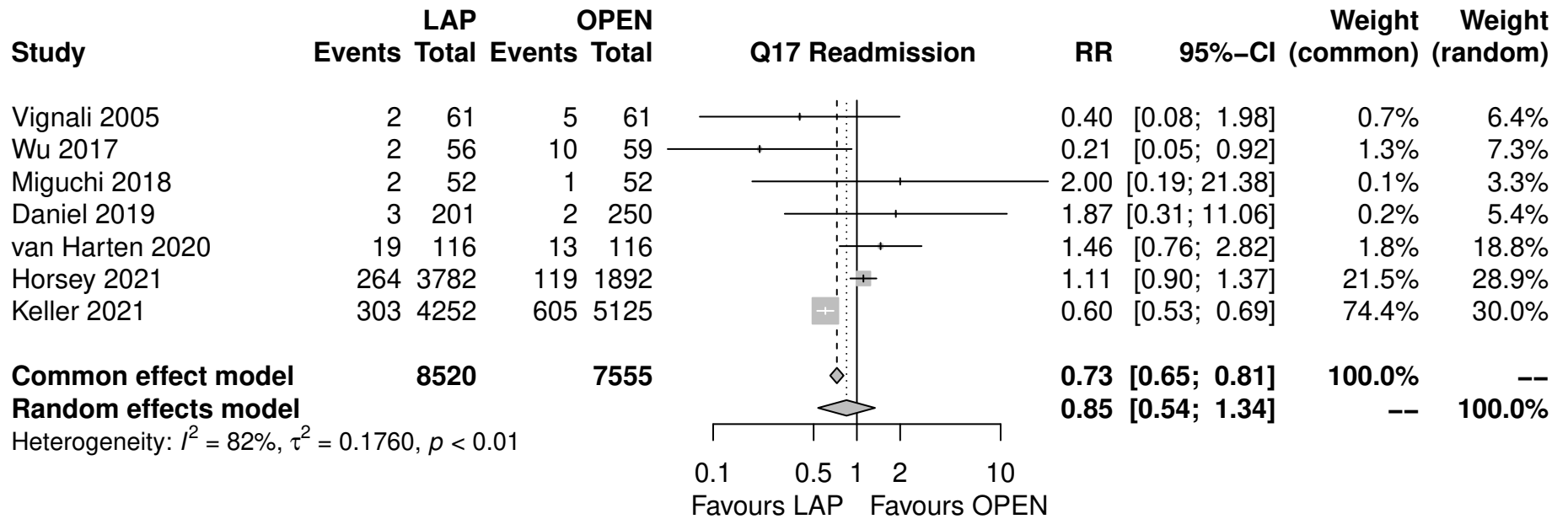


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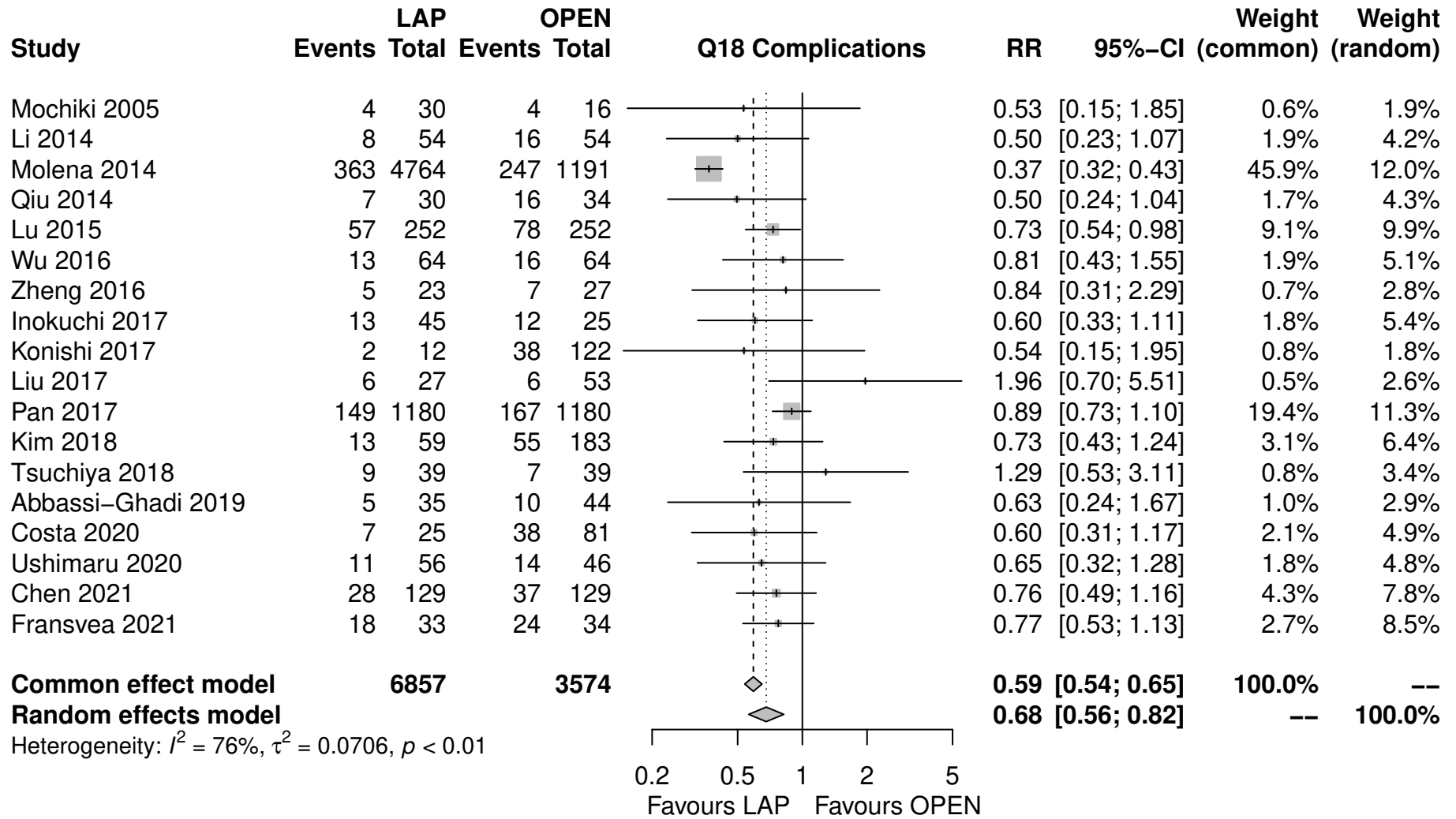
## Q17 Length of Stay - Subgroups



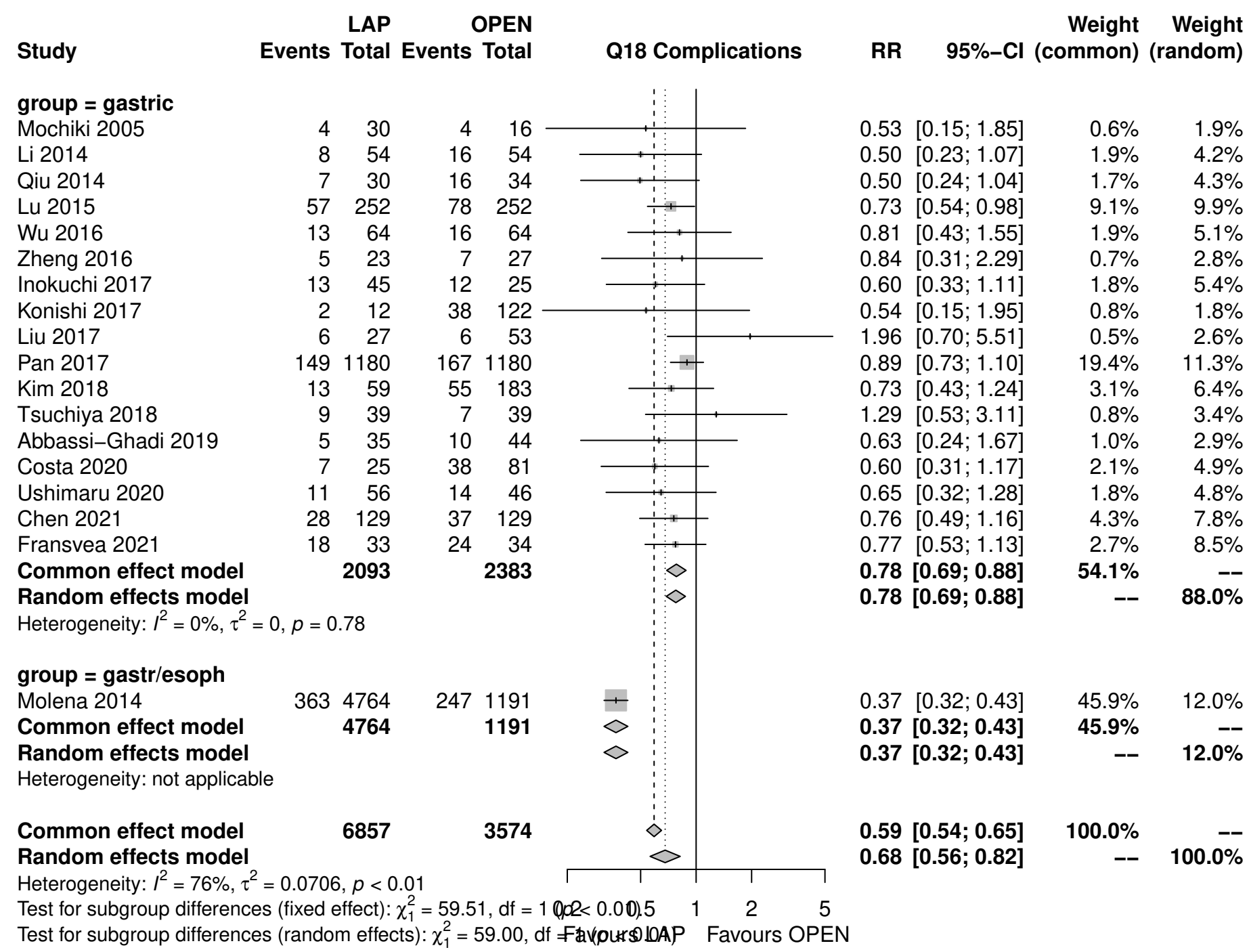
Q17 Readmissions



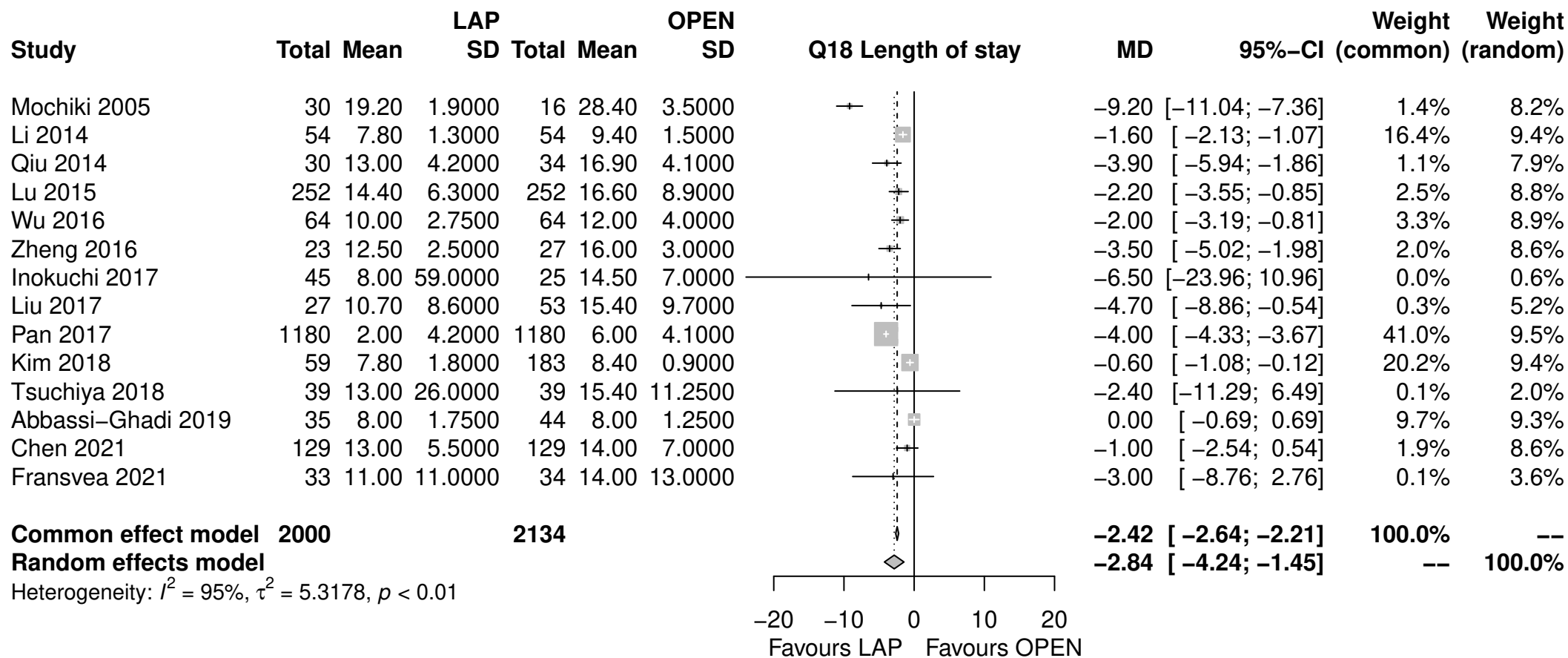
Q18 Complications



Q18 Complications - Subgroups

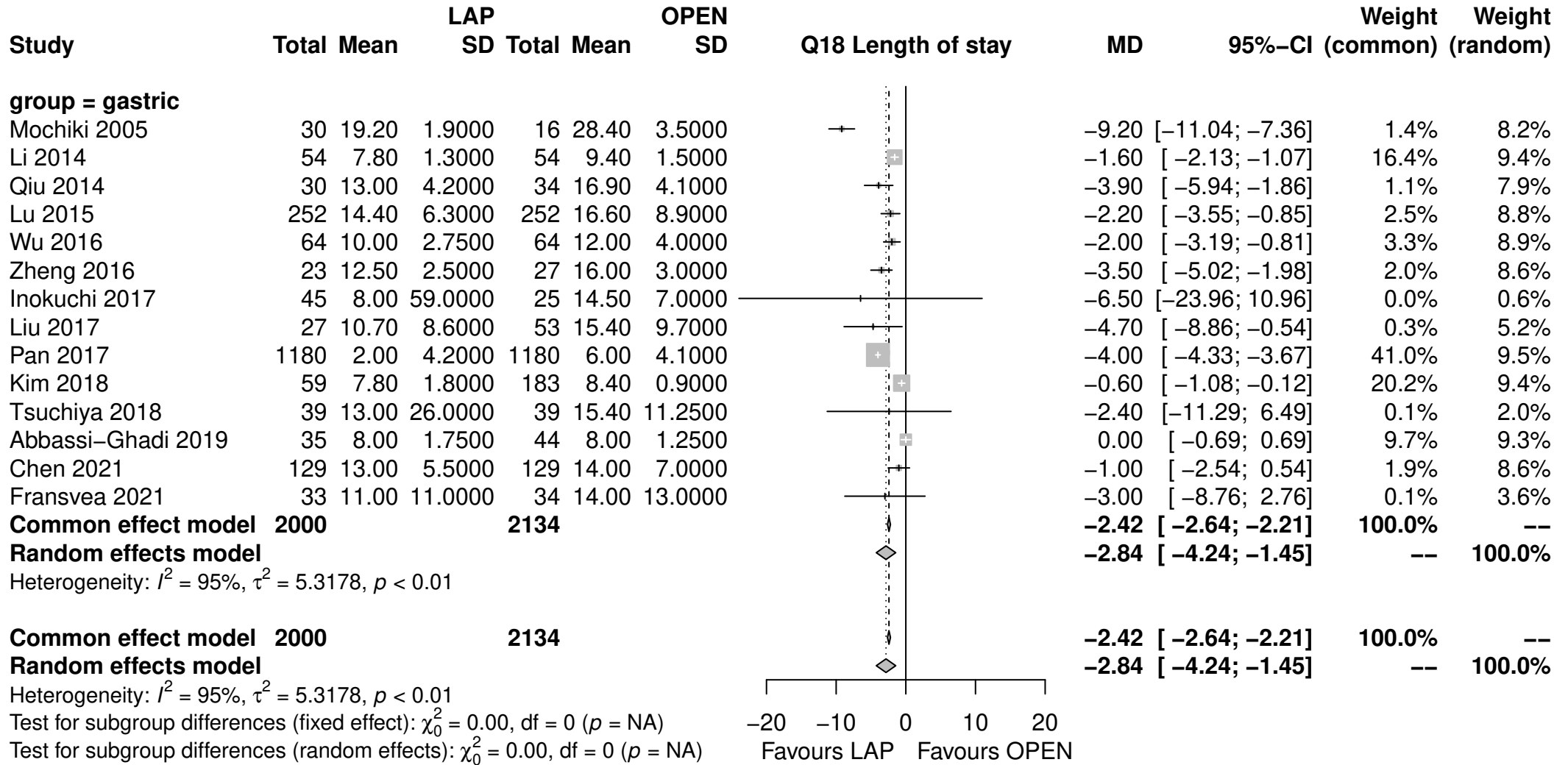


Q18 Length of stay

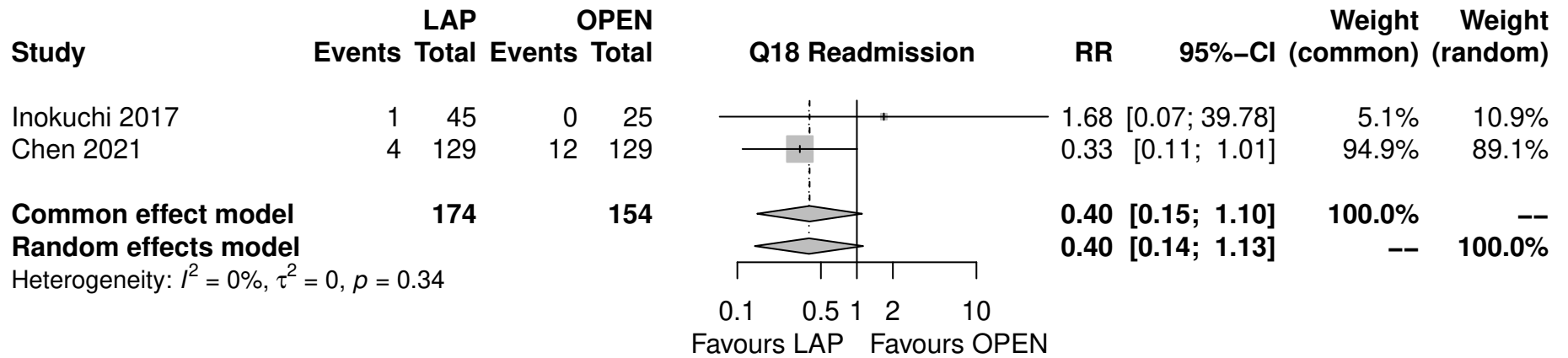




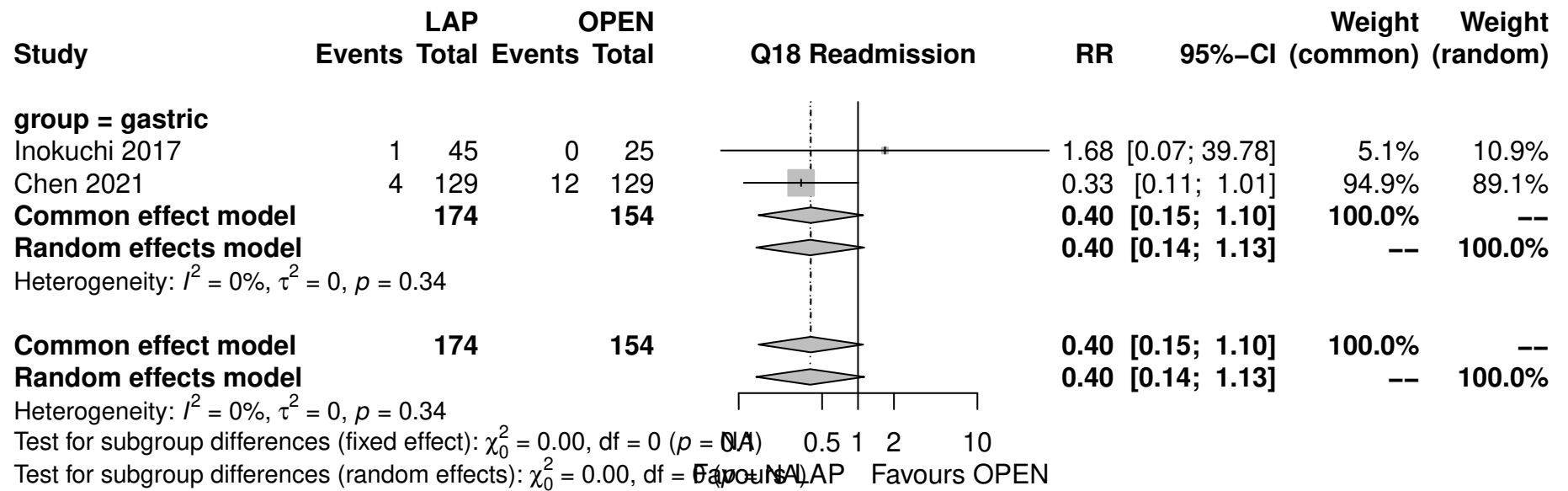
Q18 Length of stay - Subgroups



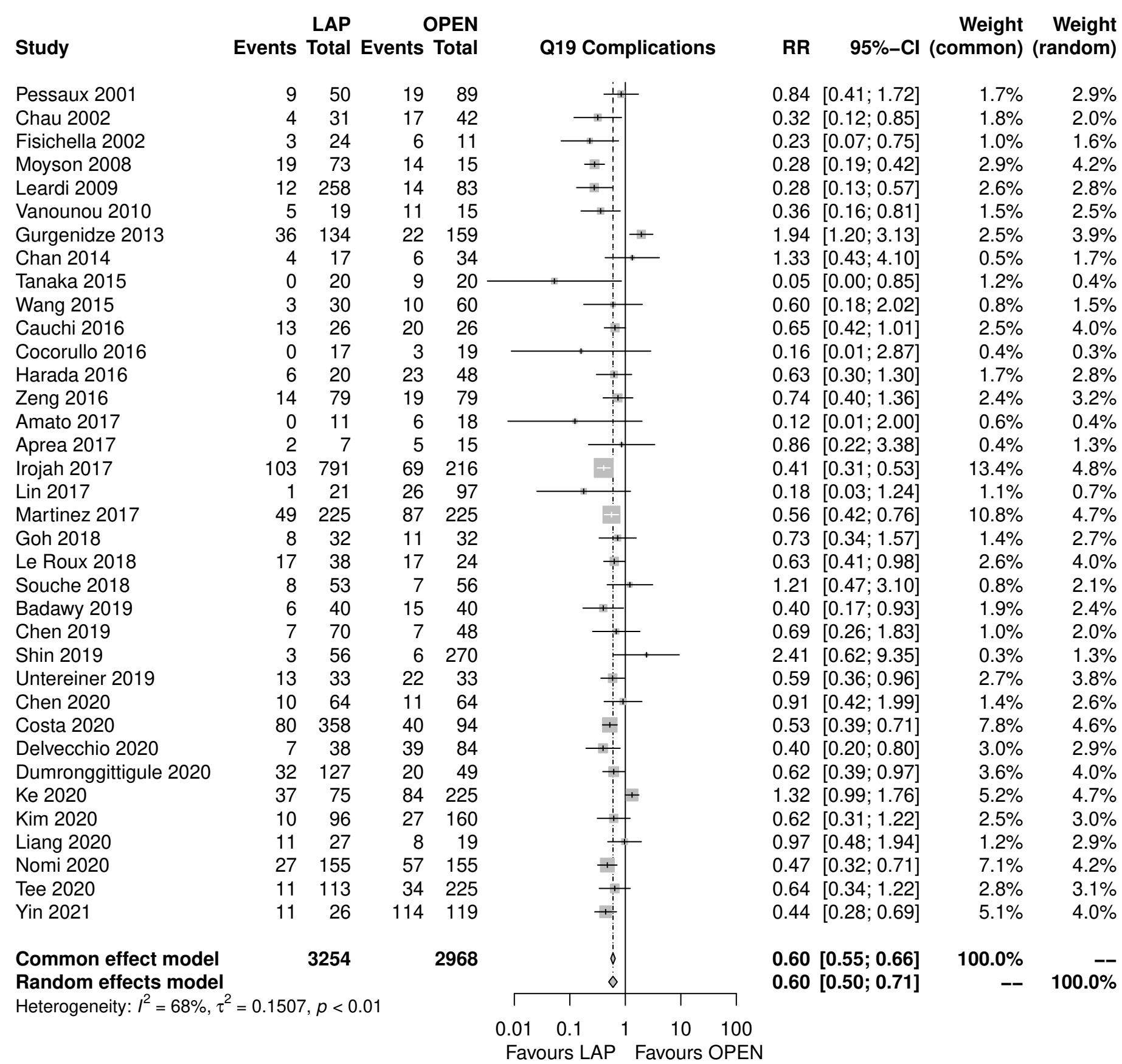
Q18 Readmission



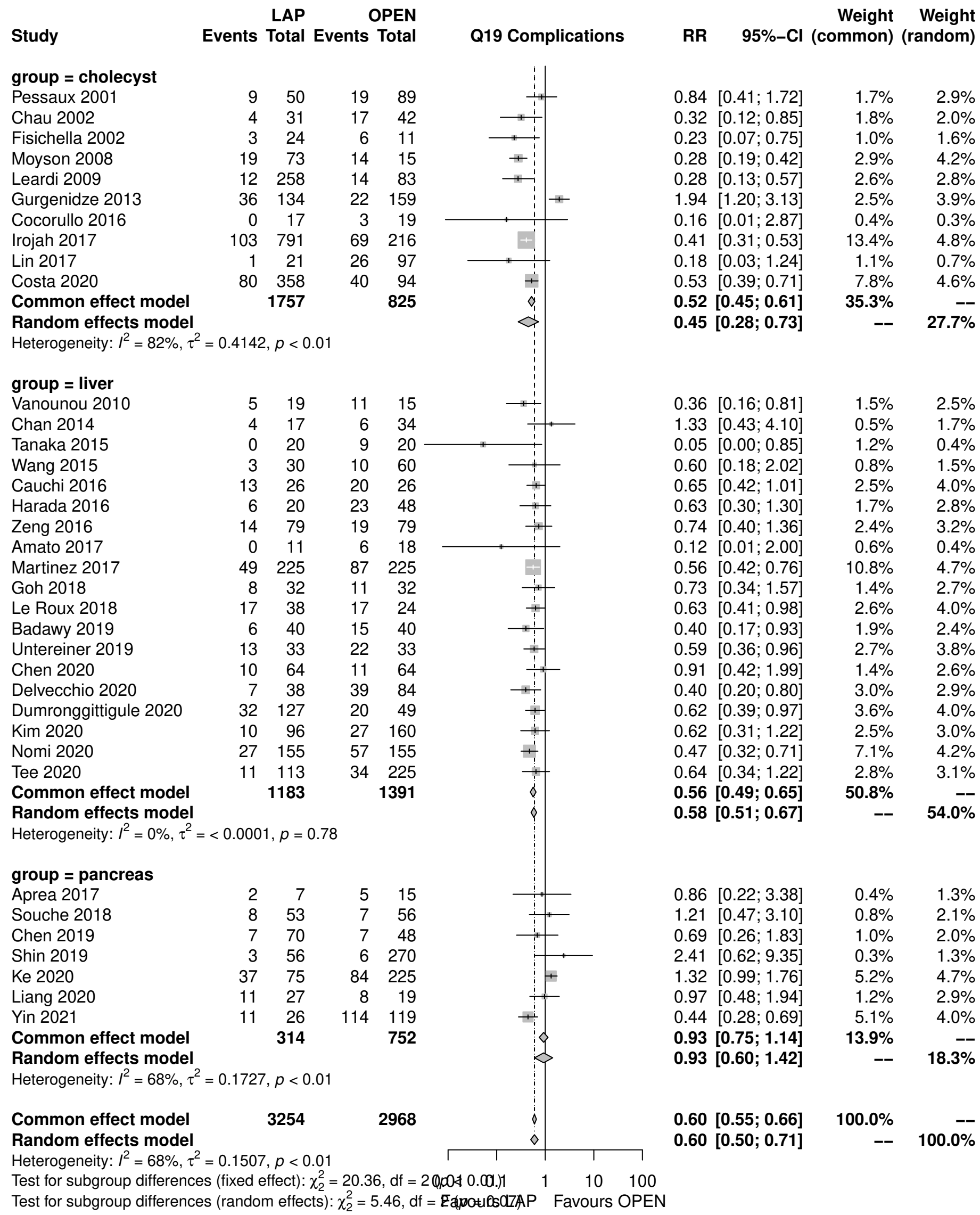
Q18 Readmission - Subgroups



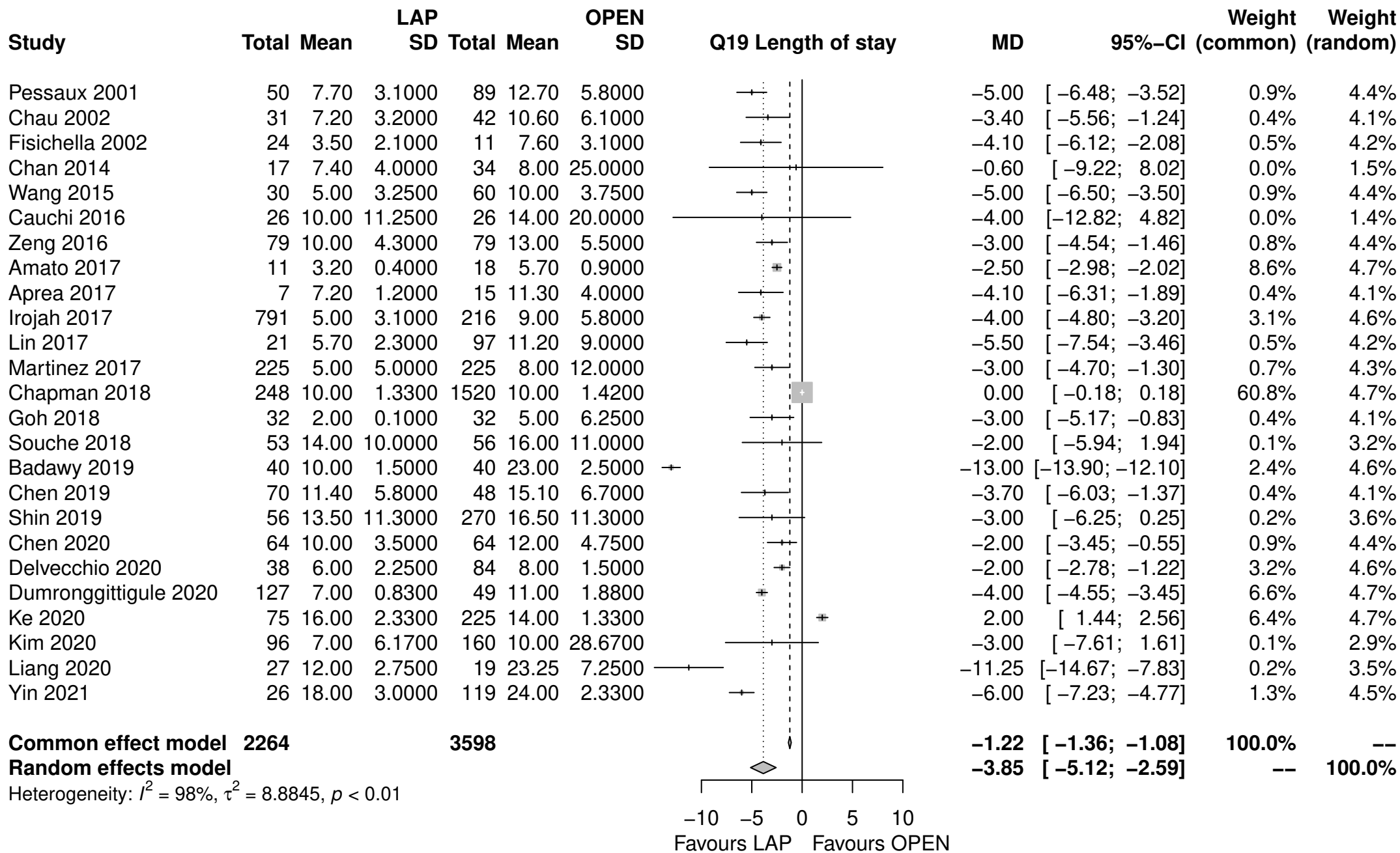
Q19 Complications



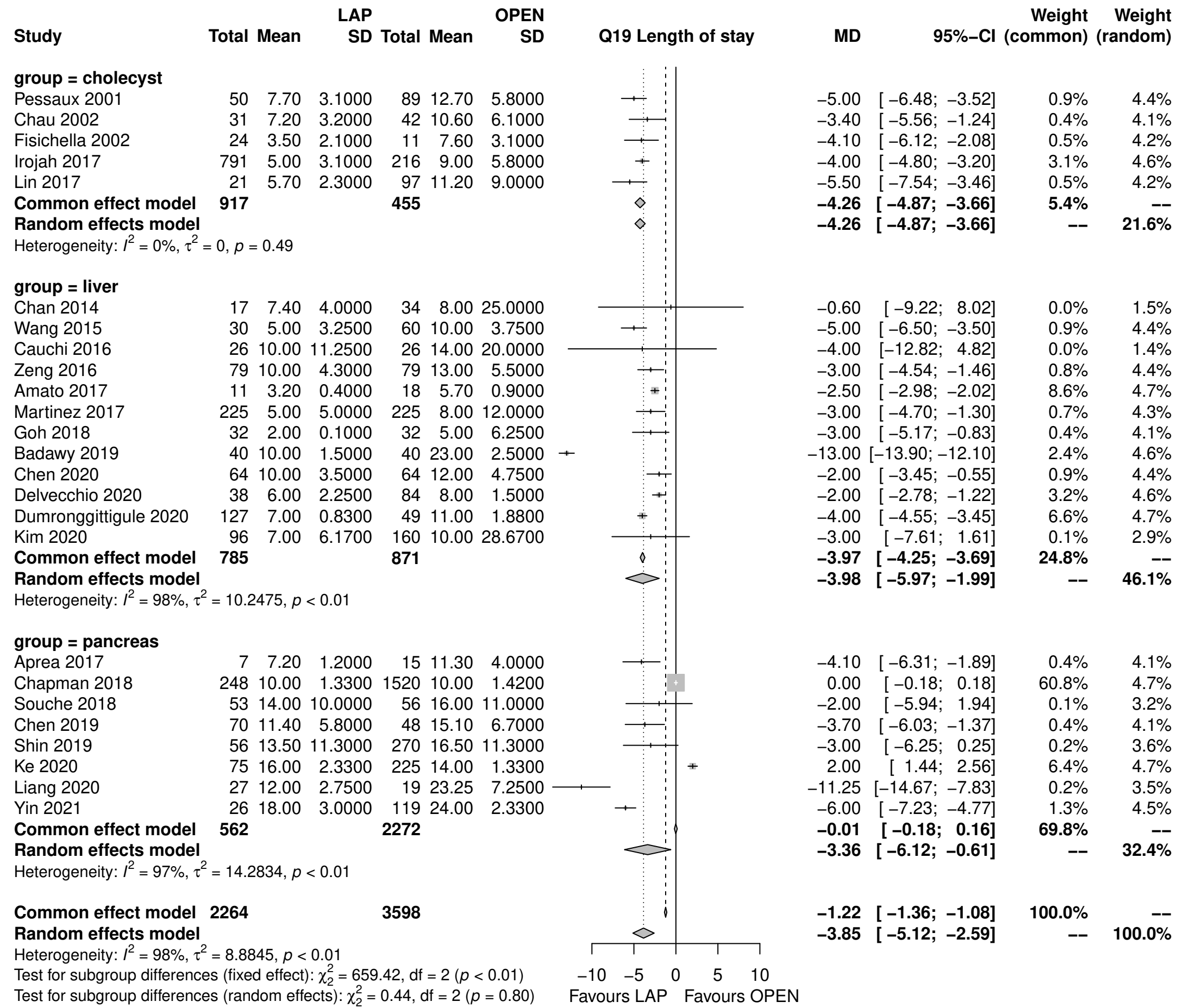
Q19 Complications - Subgroups



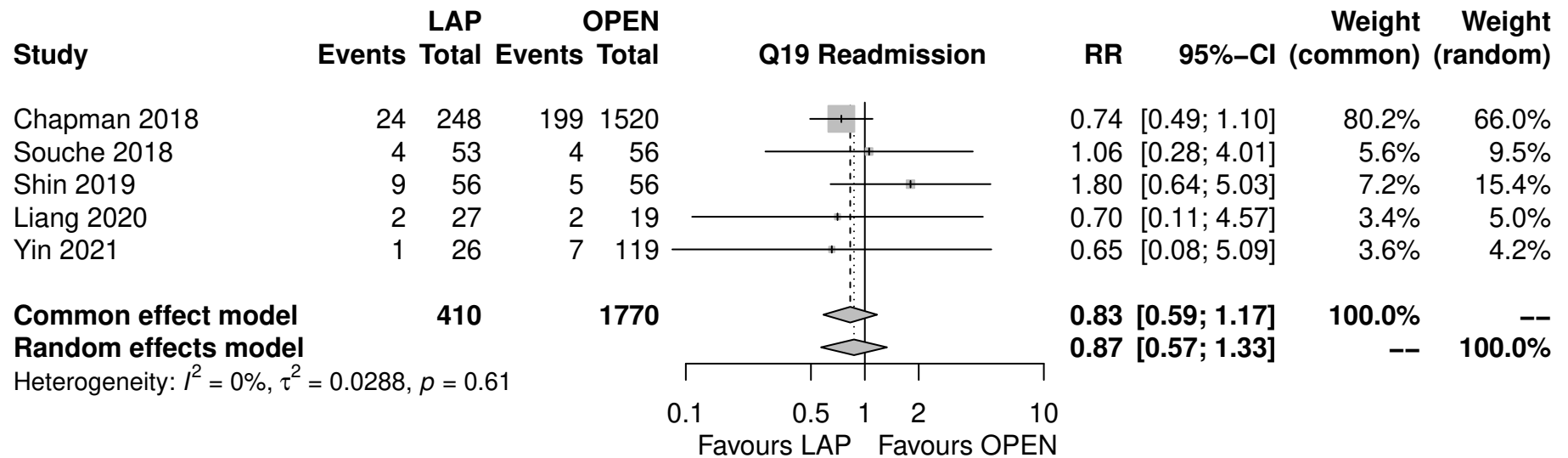
Q19 Length of stay



Q19 Length of stay - Subgroups

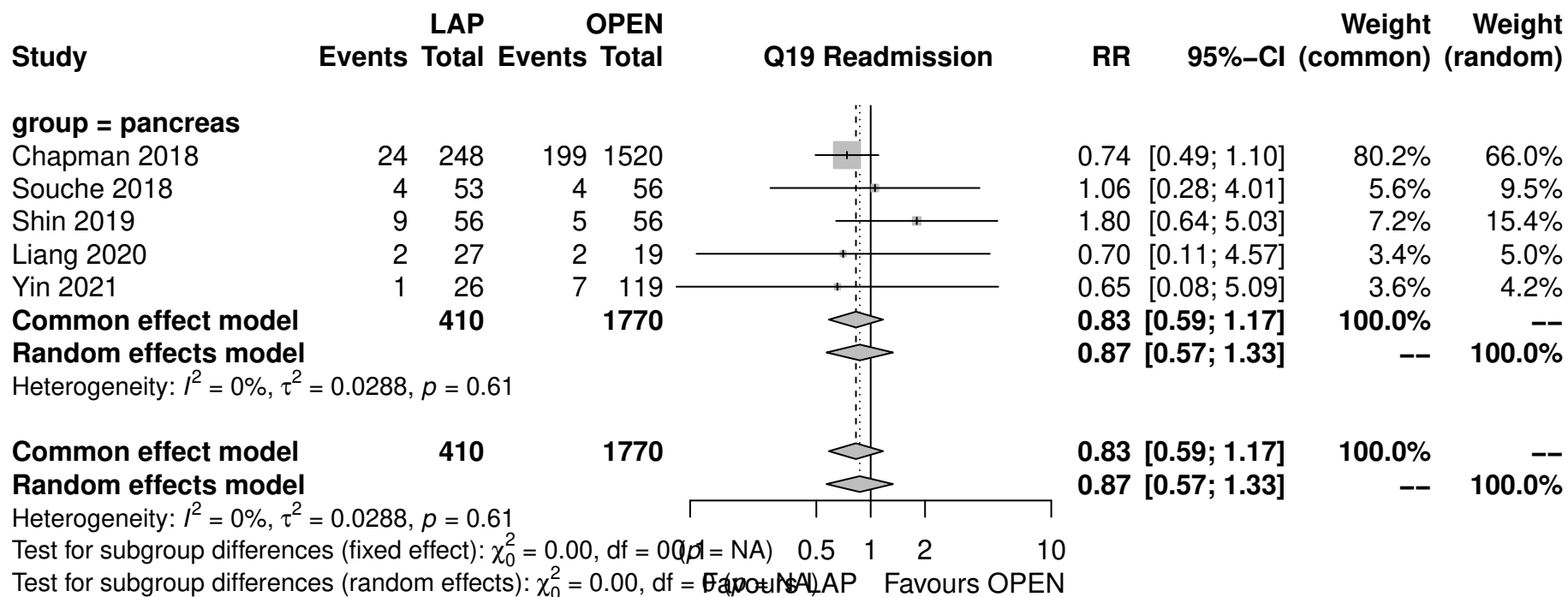


Q19 Readmission

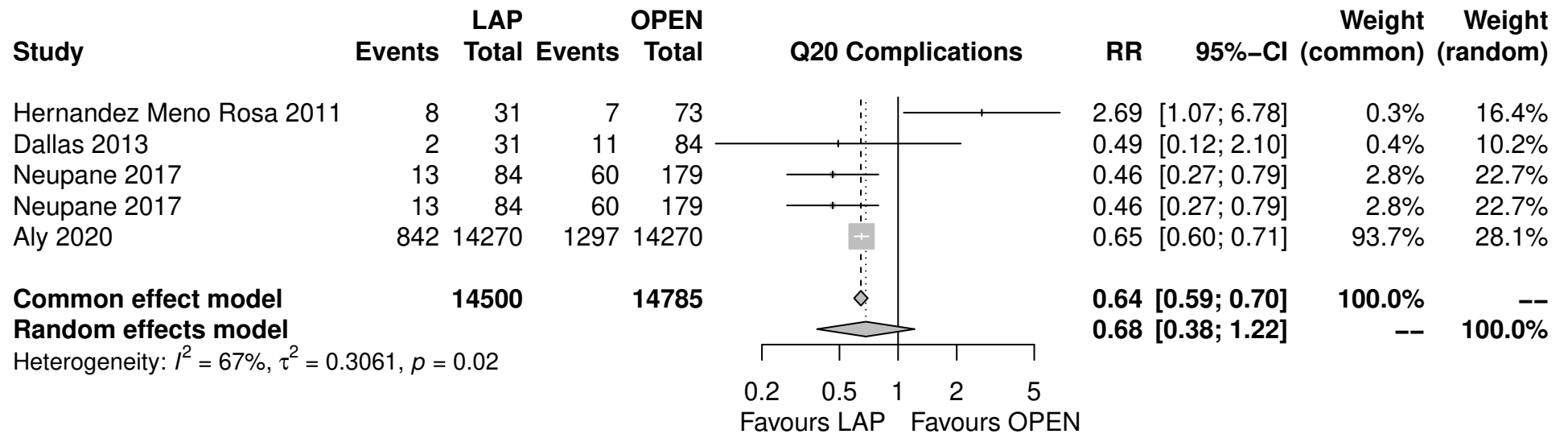




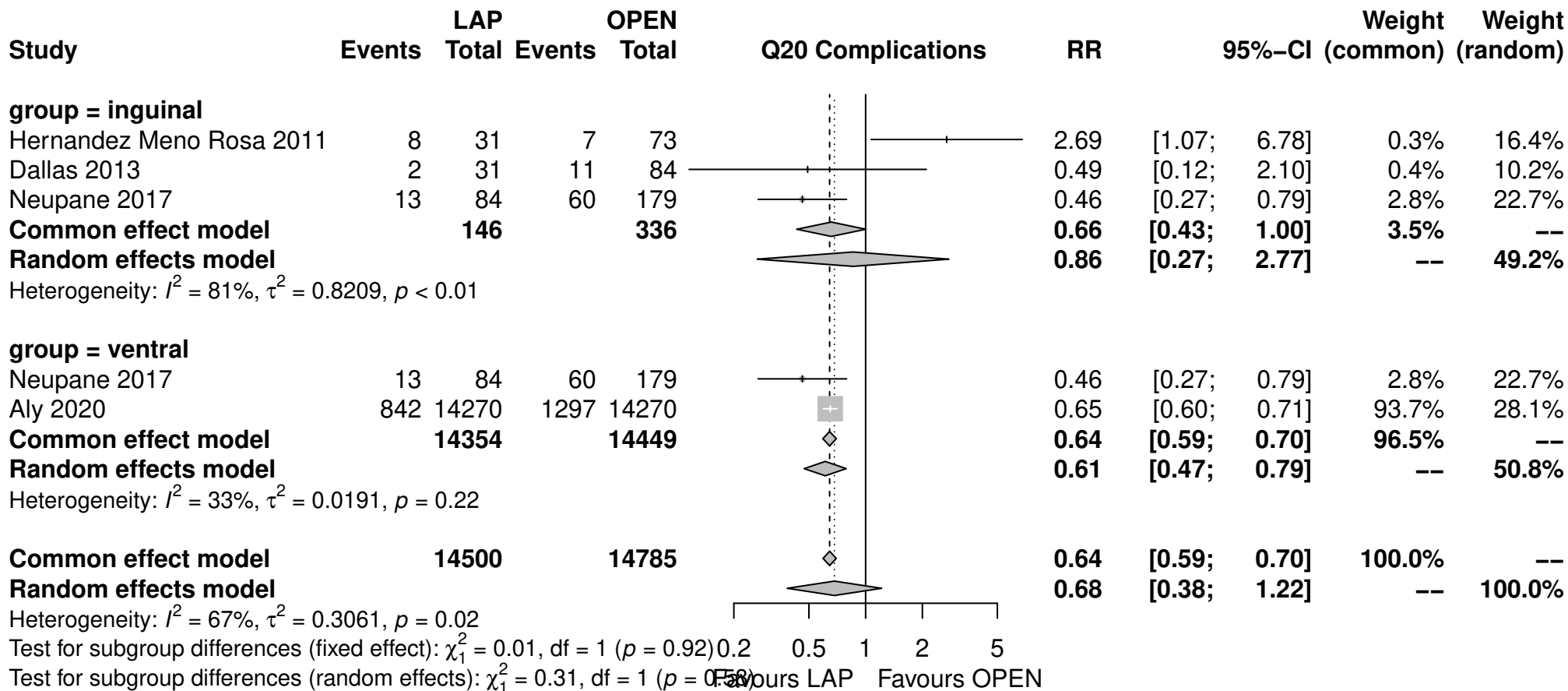
Q19 Readmission - Subgroups



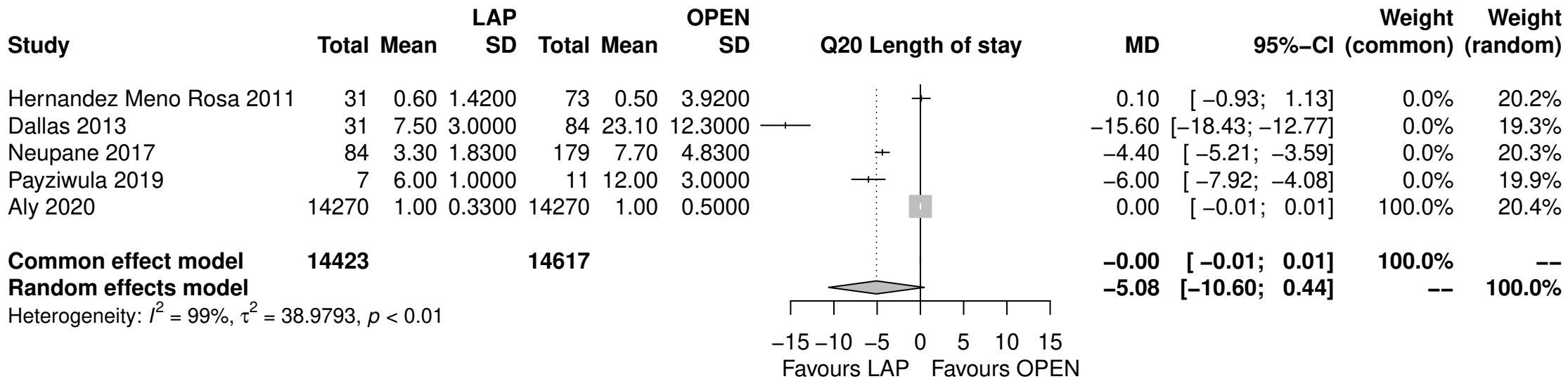
Q20 Complications



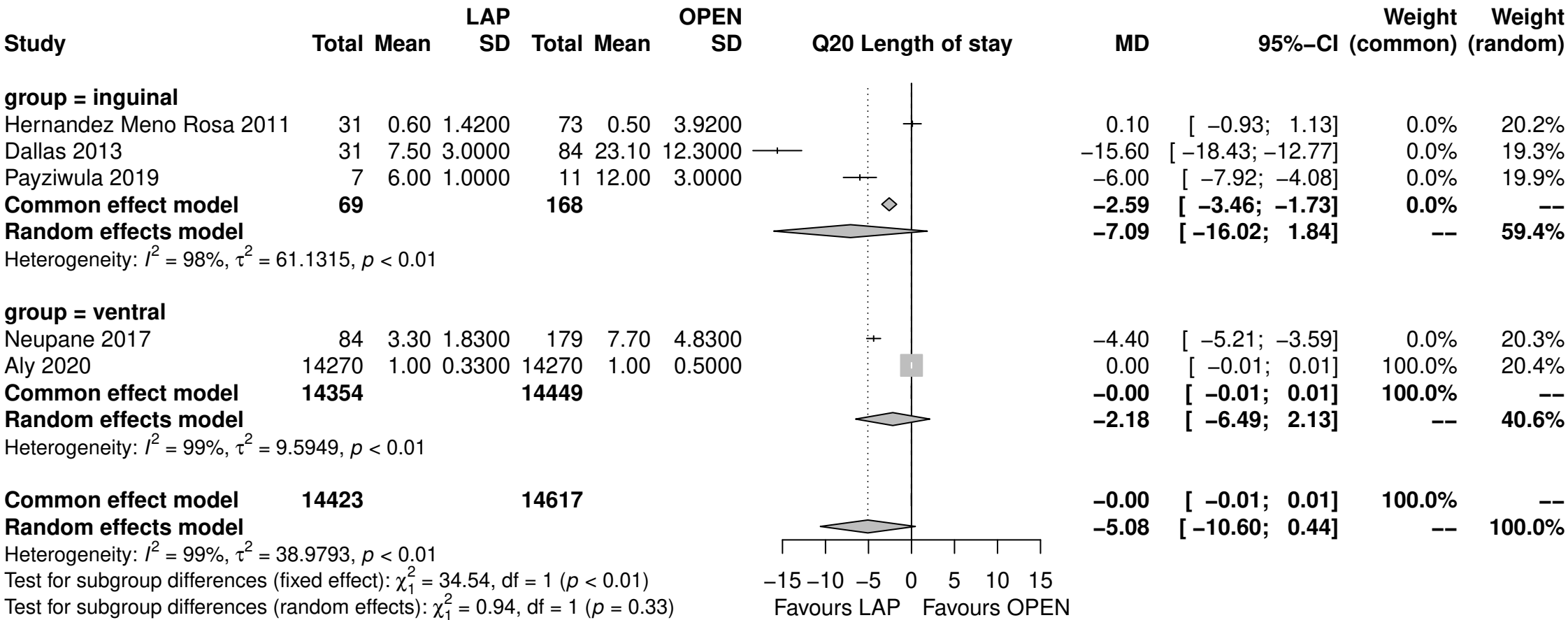
Q20 Complications - Subgroups



Q20 Length of stay

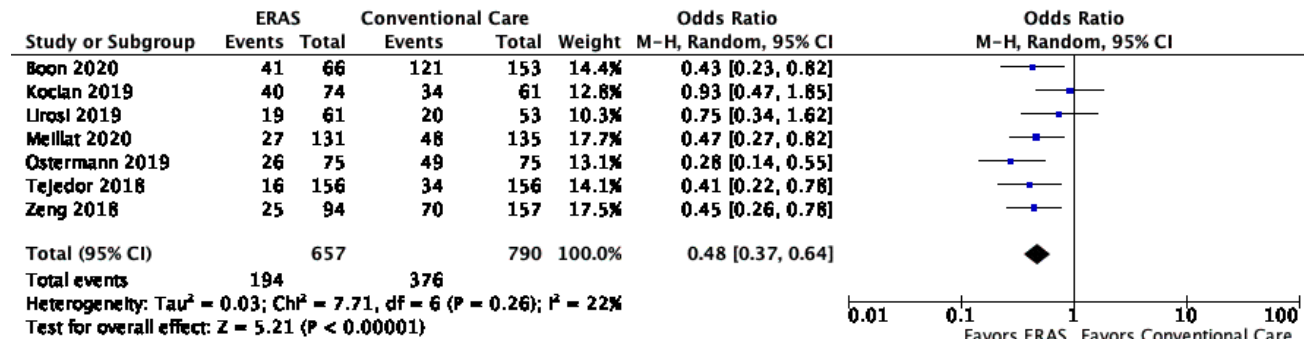


Q20 Length of stay - Subgroups

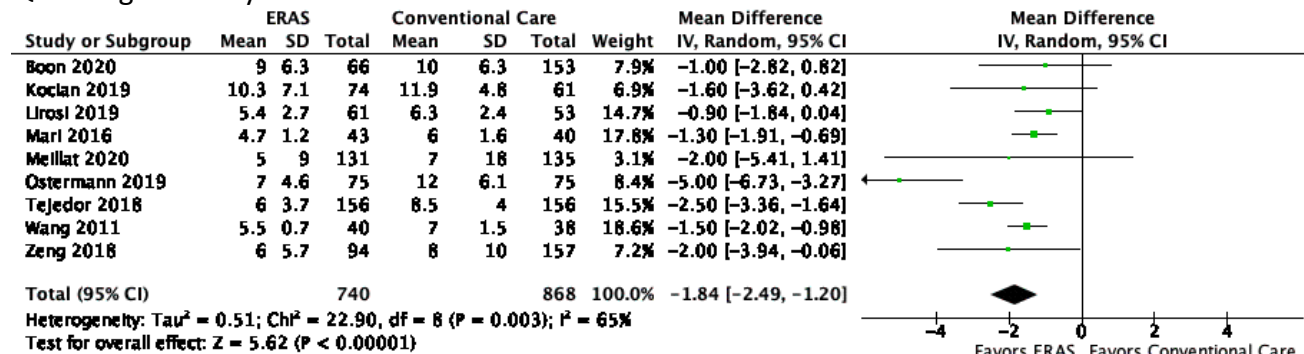


## Q21 – ERAS versus Conventional Care for Colorectal Surgery in Elderly Patients

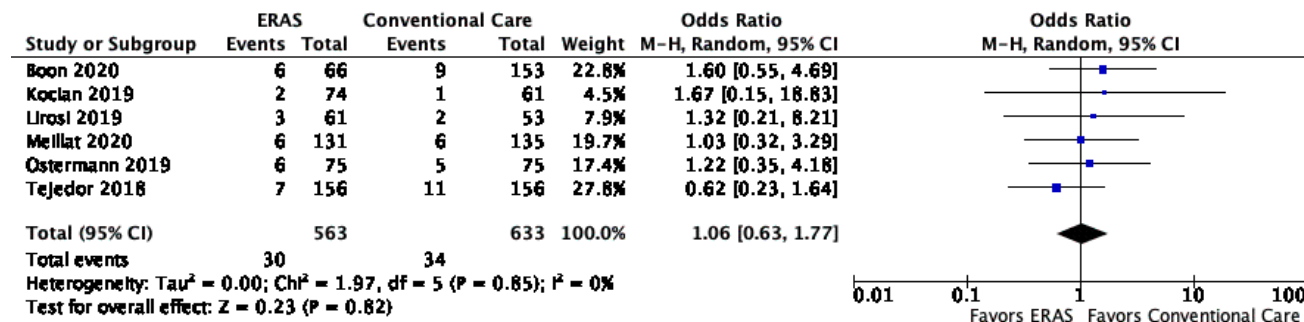
### Q21 30-Day Complications



### Q21 Length of Stay

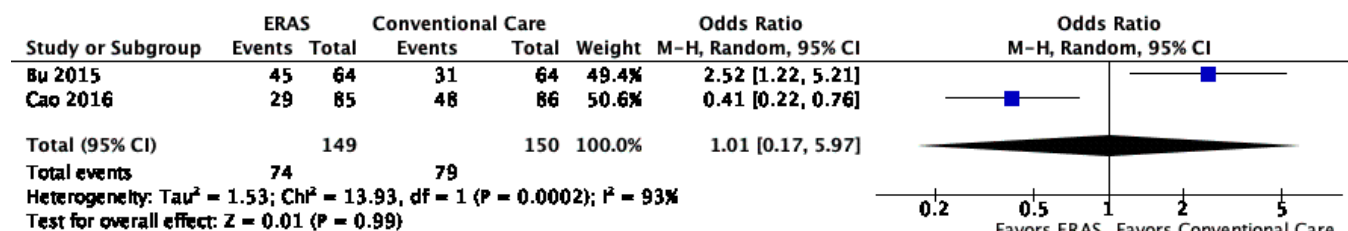


### Q21 Readmissions

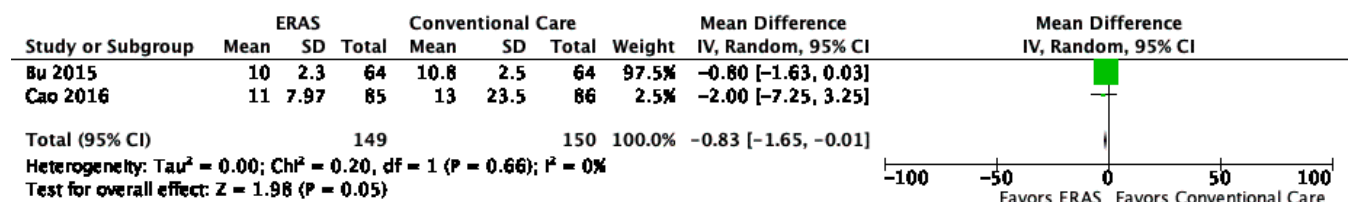


## Q22 – ERAS versus Conventional Care for Gastric Surgery in Elderly Patients

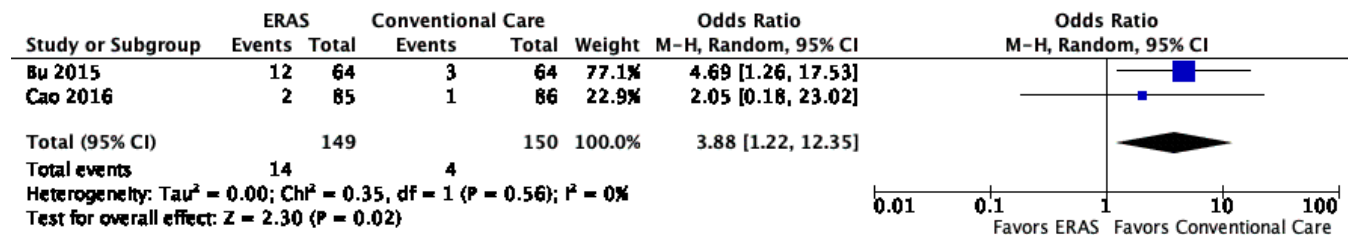
### Q22 30-day Complications



### Q22 Length of Stay

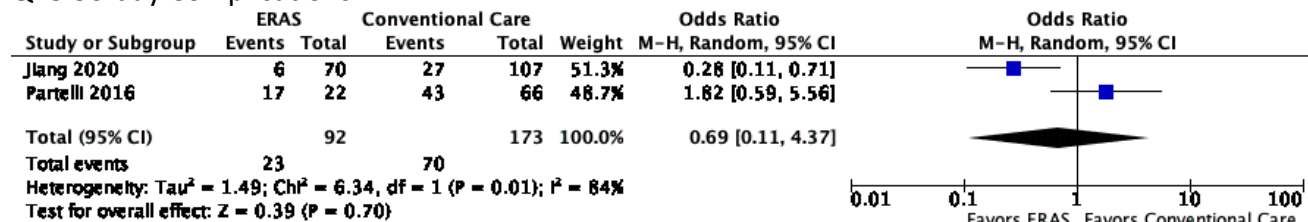


### Q22 Readmissions

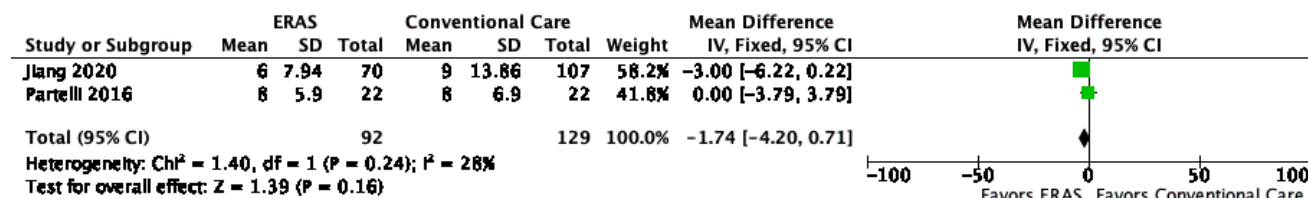


## Q23 – ERAS versus Conventional Care for HPB Surgery in Elderly Patients

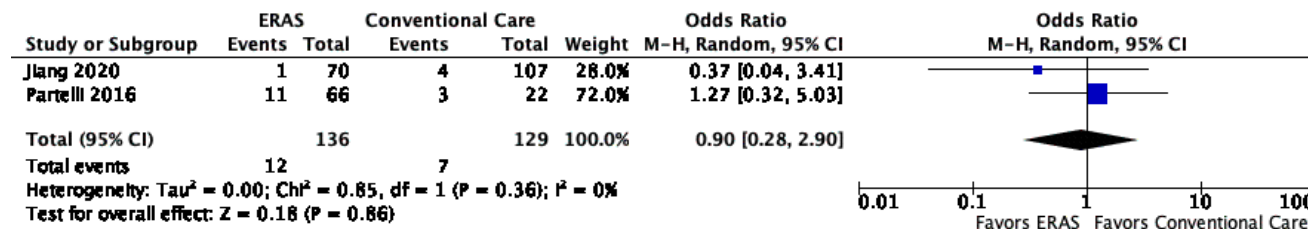
### Q23 30-day Complications



### Q23 Length of Stay



### Q23 Readmissions





**Q24 – ERAS versus Conventional Care for Foregut Surgery in Elderly Patients**

No studies found