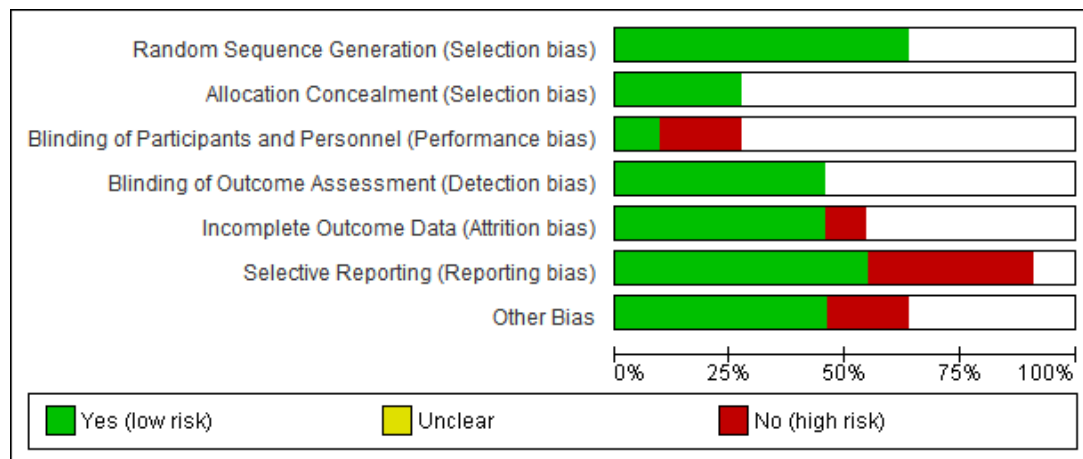


Supplementary Materials

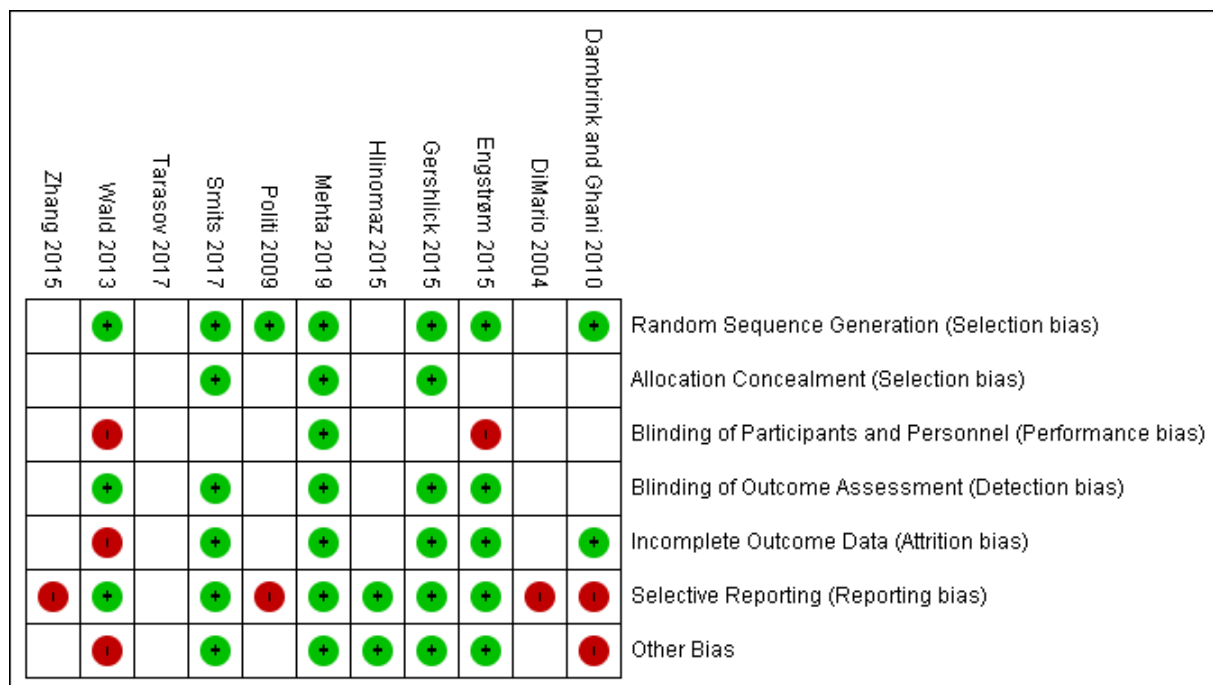
Early versus delayed complete revascularization in patients presenting with ST-segment elevation myocardial infarction and multivessel disease.

A Systematic review and meta-analysis

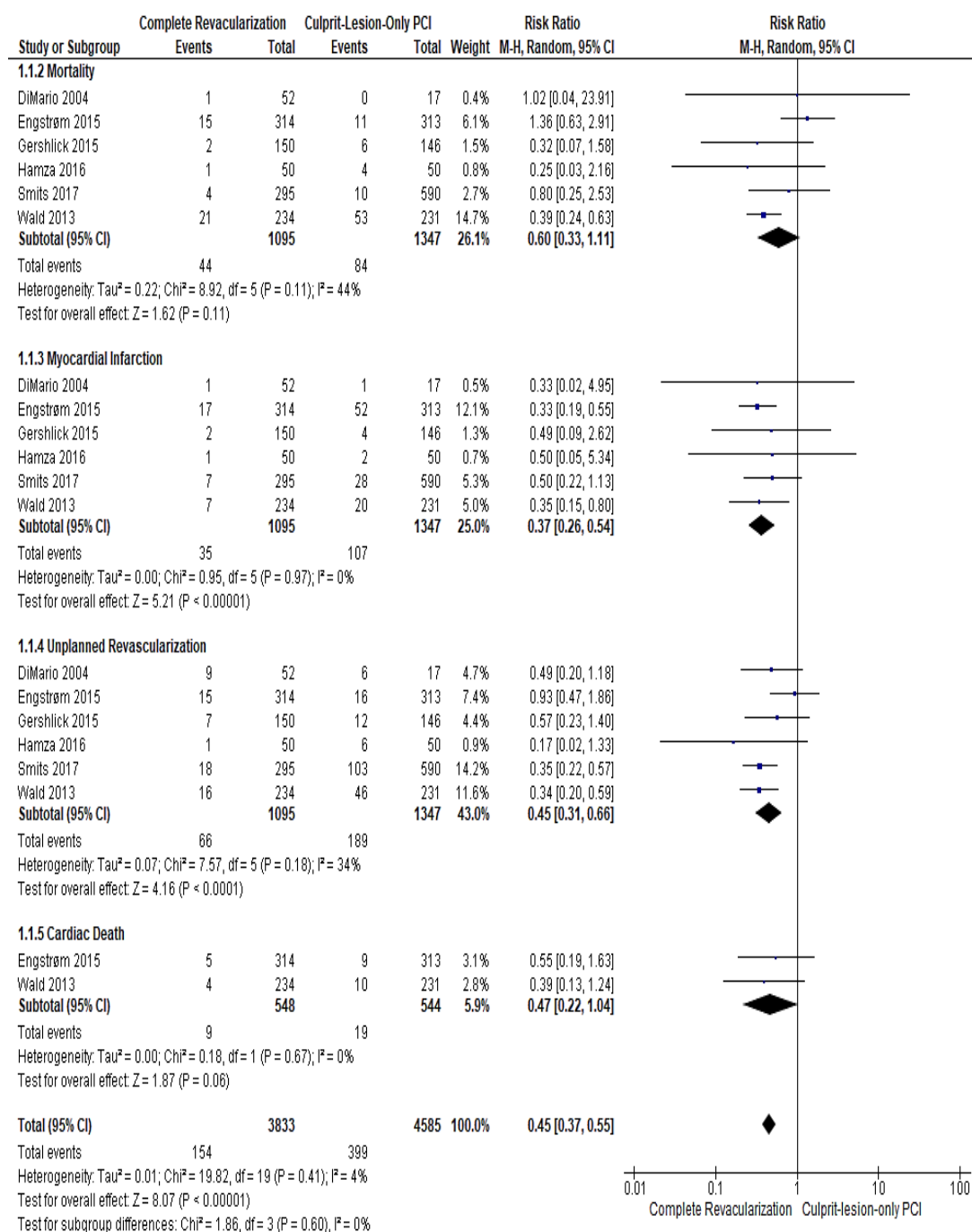
Supplementary Figure I. Risk of bias graph reviews authors' judgements about each risk of bias item presented as percentages across all included studies.



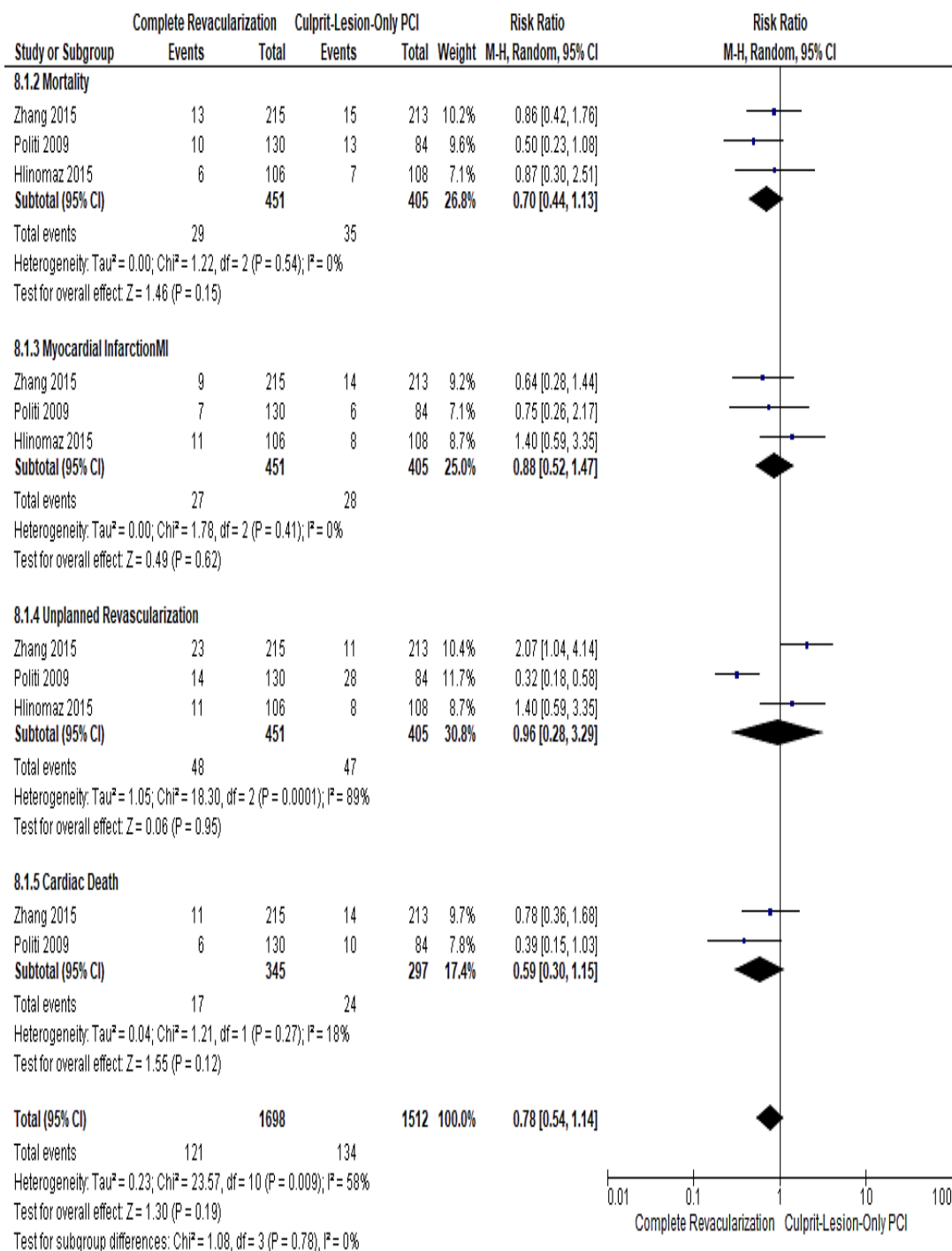
Supplementary Figure II. Risk of bias summary reviews authors' judgements about each risk of bias item for each included study.



Supplementary Figure III: Forest plot of comparison of all-cause mortality, myocardial infarction, unplanned/repeat revascularization, and cardiac death between early complete revascularization versus culprit lesion only PCI.



Supplementary Figure IV: Forest plot of comparison of all-cause mortality, myocardial infarction, unplanned/repeat revascularization, and cardiac death between delayed complete revascularization versus culprit lesion only PCI



Supplementary Table I. Summary and *Population characteristics of the selected randomized controlled trials.*

1st Author	Year	# Population	Sample size	Mean age	# Male	HTN	DM	DLP	Smoking	Prior.MI	Ant.MI	2-Vessel	3-Vessel	DES	BMS	Time/days	F/U indicators	F/U duration/ mo
Mehta ⁷	2019	4041	2016	61.6	1623	982	385	764	819	148	660	459	NR	1704	276	0 - 23	MACE	36
			2025	62.4	1602	1027	402	797	787	154	657	442	NR	1707	272	24 - 45		
Smits ⁹	2017	885	295	62	233	136	43	95	120	22	105	204	91	161	1	index - 4 days	MACE	12
			590	61	450	282	94	176	282	48	206	396	194	NA	NA			
Tarasov ¹⁰	2017	136	67	58.6	48	64	16	NR	NR	NR	NR	35	32	NR	NR	5 - 15	MACE	12
			69	59.1	43	61	14	NR	NR	NR	NR	38	31	NR	NR			
Hamza ¹¹	2016	100	50	56.4	41	13	50	24	36	5	24	36	14	NR	NR	3	MACE	6
			50	52.2	43	18	50	21	39	3	23	33	17	NR	NR			
Zhang ¹²	2015	428	215	62.3	61	64.2	36.7	35.3	NR	NR	36.7	NR	NR	215	0	7 - 10	MACE	24
			213	62	67.1	61	35.2	36.6	NR	NR	40	NR	NR	213	0			
Engström ¹³	2015	627	314	64	251	130	29	NR	NR	17	105	NR	97	298	4	2	MACE	27
			313	63	255	146	42	NR	NR	27	112	NR	100	290	5			
Gershlick ¹⁴	2015	296	150	64.6	128	54	19	41	50	7	54	119	31	141	NR	before discharge (65% index)	MACE	30
			146	65.3	112	51	20	34	37	5	52	110	36	127	NR			
Hlinomaz ¹⁵	2015	214	106	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	3 - 40	MACE	36
			108	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR			
Wald ¹⁶	2013	465	234	62	177	94	35	NR	118	19	67	143	91	312	144	index	MACE	23
			231	62	186	93	48	NR	103	16	89	155	76	135	96			
Dambrink and Ghani ¹⁷	2010	121	80	62	64	21	5	12	35	5	17	60	20	18	56	7.5	LVEF (Nuclear & ECHO), ESV, EDV, MACE	6
			41	61	33	17	2	12	19	2	12	33	8	7	27			
Politi ¹⁸	2009	214	130	64.3	102	74	21	NR	NR	NR	59	NR	48	11	NR	56 (50% index)	MACE	30
			84	66.5	64	50	20	NR	NR	NR	35	NR	21	10	NR			
Di Mario ¹⁹	2004	69	52	63.5	46	19	6	21	34	NR	27	36	16	52	0	index	12 mo revascularization, MACE	12
			17	65.3	14	10	7	9	13	NR	10	9	8	17	0			

HTN, hypertension; DM, diabetes mellitus; DLP, dyslipidemia; Ant, Anterior; MI, myocardial infarction; DES, Drug Eluting Stent; BMS, Bare Metal Stent; NR, not reported; MACE, Major Adverse Cardiac Events; LVEF, left ventricular ejection fraction; ESV, EndSystolic Volum; EDV, EndDiastolic Volume.