Supplementary Online Content

Bainey KR, Engstrom T, Smits PC, et al. Complete vs culprit-lesion-only revascularization for ST-segment elevation myocardial infarction: a systematic review and meta-analysis. *JAMA Cardiol*. Published online May 20, 2020. doi:10.1001/jamacardio.2020.1251

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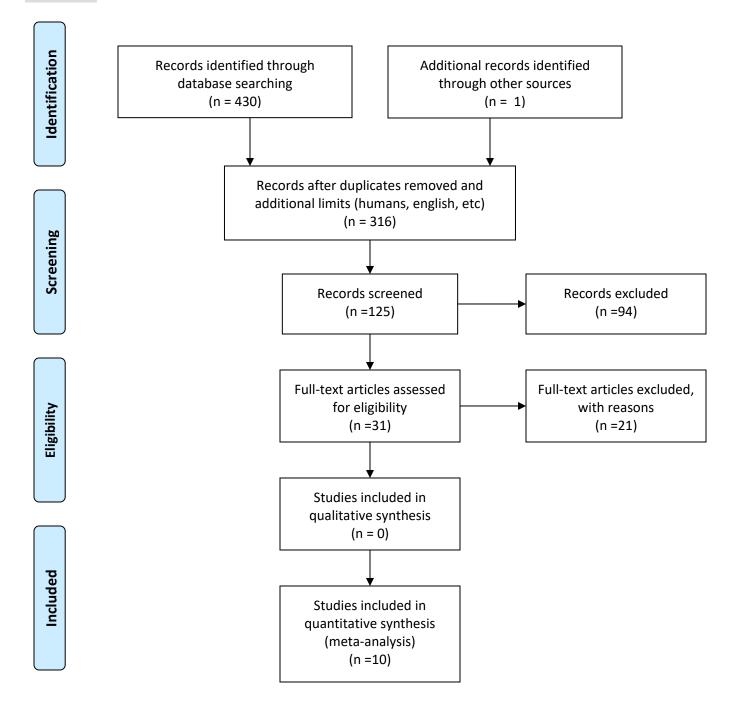
This supplementary material has been provided by the authors to give readers additional information about their work.

eTable. Search Strategy Used for MEDLINE

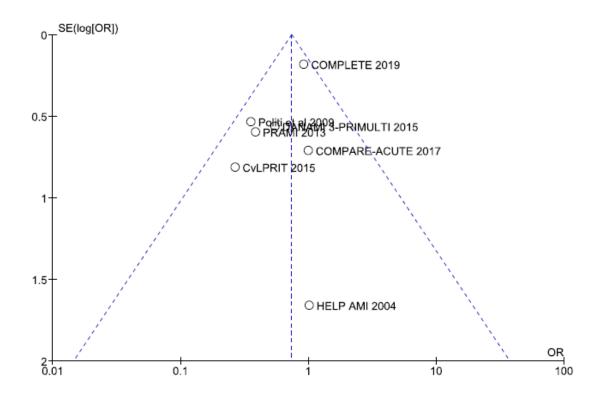
Database	Search Strategy
1.	st elevation myocardial infarction.mp.
2.	st-elevation myocardial infarction.mp.
3.	ST segment elevation myocardial infarction.mp.
4.	ST-segment elevation myocardial infarction.mp.
5.	Myocardial Infarction/
6.	1 or 2 or 3 or 4 or 5
7.	complete revascularization.mp.
8.	complete revascularisation.mp.
9.	multi-vessel revascularization.mp.
10.	multi-vessel revascularisation.mp.
11.	multi vessel revascularization.mp.
12.	multi vessel revascularisation.mp.
13.	multivessel revascularization.mp.
14.	multivessel revascularisation.mp.
15.	non culprit coronary artery.mp.
16.	non-culprit coronary artery.mp.
17.	nonculprit coronary artery.mp.
18.	7 or 8 or 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17
19.	6 and 18



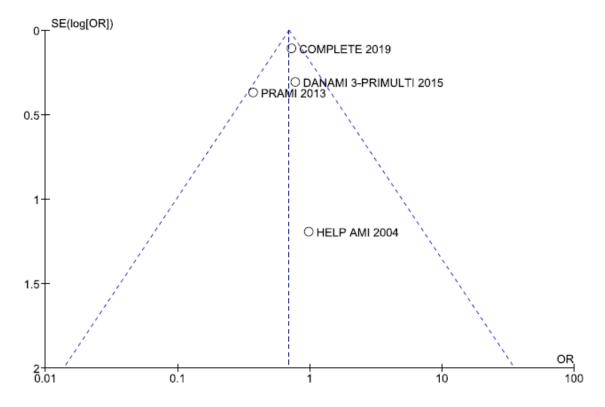
eFigure 1. PRISMA 2009 Flow Diagram



eFigure 2. Funnel Plot for CV Death



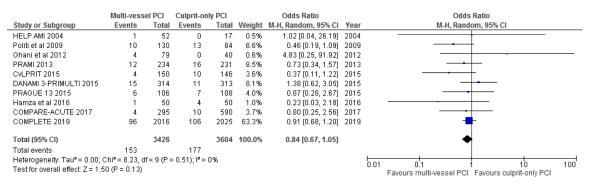
A scatter plot of the intervention effect estimates on the horizontal scale and the measure of study size on the vertical scale show a plot resembling a symmetrical (inverted) funnel indicating the absence of publication bias (Egger plot).



eFigure 3. Funnel Plot for CV Death or New Myocardial Infarction

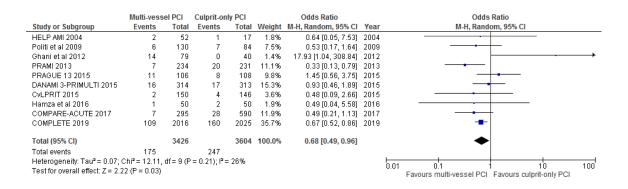
A scatter plot of the intervention effect estimates on the horizontal scale and the measure of study size on the vertical scale show a plot resembling a symmetrical (inverted) funnel indicating the absence of publication bias (Egger plot).

eFigure 4. Forest Plot of Long-term All-Cause Mortality With Multivessel or Culprit-Lesion-Only Percutaneous Coronary Intervention



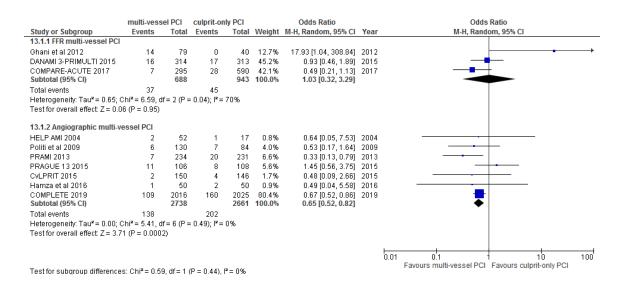
Squares and diamonds=odds ratios. Lines=95% confidence intervals.

eFigure 5. Forest Plot of Long-term Recurrent Myocardial Infarction With Multivessel or Culprit-Lesion-Only Percutaneous Coronary Intervention



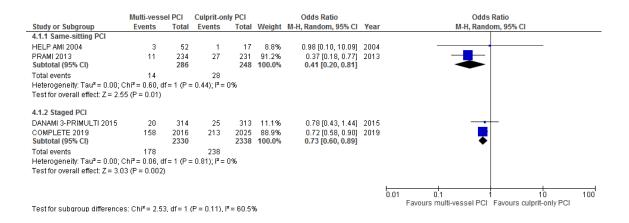
Squares and diamonds=odds ratios. Lines=95% confidence intervals.

eFigure 6. Forest Plot of Long-term Recurrent Myocardial Infarction With Multivessel or Culprit-Lesion-Only Percutaneous Coronary Intervention Stratified by Multivessel Strategy



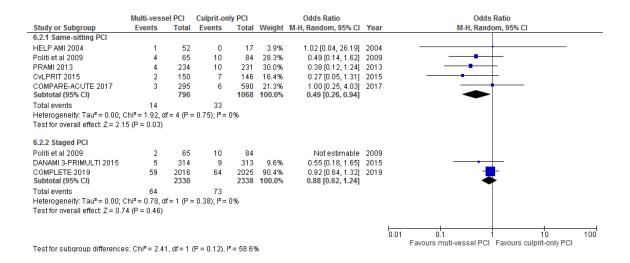
Squares and diamonds=odds ratios. Lines=95% confidence intervals.

eFigure 7. Forest Plot of Long-term Cardiovascular Death or New Myocardial Infarction Stratified by Timing of Nonculprit Percutaneous Coronary Intervention



Squares and diamonds=odds ratios. Lines=95% confidence intervals.

eFigure 8. Forest Plot of Long-term Cardiovascular Death Stratified by Timing of Nonculprit Percutaneous Coronary Intervention



Squares and diamonds=odds ratios. Lines=95% confidence intervals.

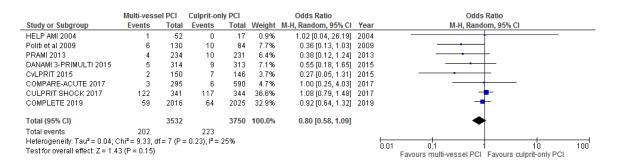
eFigure 9. Forest Plot of Long-term Myocardial Infarction Stratified by Timing of Nonculprit Percutaneous Coronary Intervention

	Multi-vess	el PCI	Culprit-only PCI Odds Ratio		Odds Ratio		Odds Ratio	
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Random, 95% CI	Year	M-H, Random, 95% Cl
8.1.1 Same-sitting PCI								
HELP AMI 2004	2	52	1	17	4.6%	0.64 [0.05, 7.53]	2004	•
Politi et al 2009	2	65	7	84	10.8%	0.35 [0.07, 1.74]	2009	
PRAMI 2013	7	234	20	231	35.8%	0.33 [0.13, 0.79]	2013	_
CvLPRIT 2015	2	150	4	416	9.5%	1.39 [0.25, 7.68]	2015	
COMPARE-ACUTE 2017 Subtotal (95% CI)	7	295 796	28	590 1338	39.3% 100.0%	0.49 [0.21, 1.13] 0.46 [0.27, 0.77]	2017	•
Total events	20		60					
Test for overall effect: Z = 2. 8.1.2 Staged PCI		, ,						
Politi et al 2009	4	65	7	84	12.3%	0.72 [0.20, 2.58]	2000	
Ghani et al 2003	14	79	Ó	40	3.1%	17.93 [1.04, 308.84]		
PRAGUE 13 2015	11	106	8	108	18.1%	1.45 [0.56, 3.75]		
DANAMI 3-PRIMULTI 2015	16	314	17	313	25.1%	0.93 [0.46, 1.89]		
COMPLETE 2019 Subtotal (95% CI)	109	2016 2580	160	2025	41.3% 100.0%	0.67 [0.52, 0.86] 0.93 [0.55, 1.58]		*
Total events	154		192					
Heterogeneity: Tau ² = 0.16; Test for overall effect: Z = 0.		lf = 4 (P =	= 0.09); I ² =	50%				
Test for subgroup difference	no: Chi≅ – 2 6:	1 df - 1	(P = 0.06)	Z = 70.00	ĸ.			Favours multi-vessel PCI Favours culprit-only PCI

Test for subgroup differences: $Chi^2 = 3.61$, df = 1 (P = 0.06), $i^2 = 72.3\%$

Squares and diamonds=odds ratios. Lines=95% confidence intervals.

eFigure 10. Forest Plot of Cardiovascular Death in Patients With Multivessel or Culprit-Lesion-Only Percutaneous Coronary Intervention Including the CULPRIT SHOCK Trial



Squares and diamonds=odds ratios. Lines=95% confidence intervals