Additional analysis for the economic model – PCI vs. CABG

### 1. Free of angina – 6 months

	PCI		CAB	G		Risk Ratio		Ri	sk Ratio	0	
Study or Subgroup	Events	Total	<b>Events</b>	Total	Weight	M-H, Fixed, 95% (	CI	M-H, F	ixed, 9	5% CI	
Unger 2003 (ARTS)	119	138	121	142	100.0%	1.01 [0.92, 1.11	]				
Total (95% CI)		138		142	100.0%	1.01 [0.92, 1.11]	l		•		
Total events	119		121								
Heterogeneity: Not ap	•						0.01	0.1	1	10	100
Test for overall effect:	Z = 0.24 (	P = 0.8	1)			1	Favours	experiment	al Fav	ours con	trol

### 2. Death (all causes) – 1 year

	PCI		CAB	G		Risk Ratio	Risk Ratio
Study or Subgroup	<b>Events</b>	Total	<b>Events</b>	Total	Weight	M-H, Fixed, 95% C	M-H, Fixed, 95% Cl
ARTS 2001	15	600	17	605	26.2%	0.89 [0.45, 1.77]	<del>-</del>
Eefting 2003	0	138	4	142	6.9%	0.11 [0.01, 2.10]	<del>-</del>
Hueb 2004 (MASS II)	9	205	8	203	12.4%	1.11 [0.44, 2.83]	<del>-</del>
LEMANS 2008	1	52	0	52	0.8%	3.00 [0.13, 71.99]	
SoS 2002	12	488	4	500	6.1%	3.07 [1.00, 9.46]	-
SYNTAX 2009	39	891	30	849	47.6%	1.24 [0.78, 1.98]	-
Total (95% CI)		2374		2351	100.0%	1.18 [0.85, 1.64]	<b>•</b>
Total events	76		63				
Heterogeneity: Chi <sup>2</sup> = 6.	29, df = 5	(P = 0.	28); $I^2 = 2$	21%			0.01 0.1 1 10 100
Test for overall effect: Z	= 1.00 (P	= 0.32	)				Favours PCI Favours CABG

### 3. MI – 1 year

	PCI	CABG		Risk Ratio	Risk Ratio
Study or Subgroup	<b>Events Total</b>	<b>Events Total</b>	Weight	M-H, Fixed, 95% C	M-H, Fixed, 95% CI
ARTS 2001	37 600	29 605	28.3%	1.29 [0.80, 2.06]	<del> </del> -
Eefting 2003	6 138	7 142	6.8%	0.88 [0.30, 2.56]	<del></del>
Hueb 2004 (MASS II)	16 205	4 203	3.9%	3.96 [1.35, 11.64]	<del></del>
SoS 2002	21 488	34 500	32.9%	0.63 [0.37, 1.07]	<del> </del>
SYNTAX 2009	43 891	28 849	28.1%	1.46 [0.92, 2.33]	<del>  -</del>
Total (95% CI)	2322	2299	100.0%	1.20 [0.93, 1.55]	<b>•</b>
Total events	123	102			
Heterogeneity: Chi <sup>2</sup> = 1	1.42, df = 4 (P =	$0.02$ ); $I^2 = 65\%$			
Test for overall effect: Z	Z = 1.39 (P = 0.1	7)			0.01 0.1 1 10 100 Favours PCI Favours CABG

### 4. Repeat revascularisation -1 year

	PCI		CAB	G		Risk Ratio	Risk	Ratio
Study or Subgroup	<b>Events</b>	Total	<b>Events</b>	Total	Weight	M-H, Fixed, 95% C	M-H, Fixe	ed, 95% CI
ARTS 2001	126	600	23	605	26.6%	5.52 [3.59, 8.49]		-
Eefting 2003	21	138	6	142	6.9%	3.60 [1.50, 8.65]		<del></del>
Hueb 2004 (MASS II)	25	205	1	203	1.2%	24.76 [3.39, 180.98]		
LEMANS 2008	15	52	5	53	5.8%	3.06 [1.20, 7.80]		<del></del>
SYNTAX 2009	120	891	50	849	59.6%	2.29 [1.67, 3.14]		-
Total (95% CI)		1886		1852	100.0%	3.55 [2.82, 4.47]		•
Total events	307		85					
Heterogeneity: Chi <sup>2</sup> = 15	5.24, df =	4 (P = 0	0.004); l <sup>2</sup>	= 74%			0.01 0.1	1 10 100
Test for overall effect: Z	= 10.75 (	P < 0.0	0001)					Favours CABG

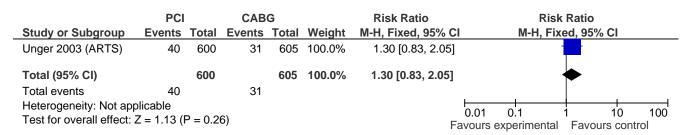
### 5. Free of angina – 1 year

	PCI	CABG		Risk Ratio	Risk Ratio
Study or Subgroup	<b>Events Tota</b>	I Events Total	Weight	M-H, Fixed, 95% CI	M-H, Fixed, 95% CI
ARTS 2001	473 600	541 605	46.6%	0.88 [0.84, 0.93]	•
Eefting 2003	108 13	3 120 142	10.2%	0.93 [0.83, 1.04]	+
Hueb 2004 (MASS II)	107 20	5 120 203	10.4%	0.88 [0.74, 1.05]	<del>-</del>
SoS 2002	309 47	1 387 493	32.7%	0.84 [0.77, 0.91]	•
Total (95% CI)	1414	1443	100.0%	0.87 [0.84, 0.91]	•
Total events	997	1168			
Heterogeneity: Chi <sup>2</sup> = 2	.40, $df = 3 (P =$	$0.49$ ); $I^2 = 0\%$			0.01 0.1 1 10 100
Test for overall effect: Z	C = 6.60 (P < 0.0)	0001)			Favours PCI Favours CABG

### 6. Death (all causes) - 2 years

	PCI	CAB	G		Risk Ratio	Risl	k Ratio
Study or Subgroup	Events To	otal Events	Total	Weight	M-H, Fixed, 95% CI	M-H, Fix	ced, 95% CI
Booth 2008 (SOS)	22	488 8	500	26.5%	2.82 [1.27, 6.27]		
Unger 2003 (ARTS)	17 (	600 22	605	73.5%	0.78 [0.42, 1.45]	-	<b>-</b>
Total (95% CI)	10	088	1105	100.0%	1.32 [0.83, 2.11]		•
Total events	39	30					
Heterogeneity: Chi <sup>2</sup> = 6	6.21, df = 1 (F	$P = 0.01$ ; $I^2 =$	84%			0.01 0.1	1 10 100
Test for overall effect:	Z = 1.16 (P =	= 0.25)			Fa	avours experimental	

### 7. MI – 2 years



### 8. Repeat revascularisation - 2 years

	PCI	CABG		Risk Ratio	Risk Ratio
Study or Subgroup	Events Tota	I Events Tot	al Weight	M-H, Fixed, 95% CI	M-H, Fixed, 95% CI
ARTS 2003	160 60	37 60	5 64.0%	4.36 [3.11, 6.12]	-
SoS 2002	93 48	3 21 50	0 36.0%	4.54 [2.87, 7.16]	-
Total (95% CI)	1088	3 110	5 100.0%	4.42 [3.37, 5.81]	•
Total events	253	58			
Heterogeneity: Chi <sup>2</sup> = Test for overall effect:					0.01 0.1 1 10 100 Favours PCI Favours CABG

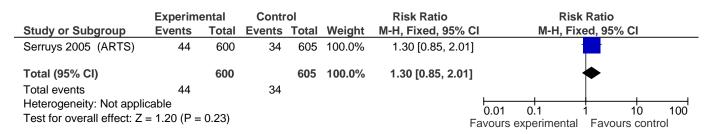
### 9. Free of angina - 2 years

	Experim	ental	Contr	ol		Risk Ratio	Ris	sk Ratio	
Study or Subgroup	Events	Total	<b>Events</b>	Total	Weight	M-H, Fixed, 95% C	I M-H, F	ixed, 95% CI	
ARTS 2003	465	583	508	583	100.0%	0.92 [0.87, 0.96]			
Total (95% CI)		583		583	100.0%	0.92 [0.87, 0.96]		•	
Total events	465		508						
Heterogeneity: Not app							0.01 0.1	1 10	100
Test for overall effect:	Z = 3.37 (F)	P = 0.000	07)			Fa	avours experimenta		

### 10. Death (all causes) - 3 years

	Experim	ental	Contr	ol		Risk Ratio		Risl	k Ratio	
Study or Subgroup	<b>Events</b>	Total	<b>Events</b>	Total	Weight	M-H, Fixed, 95% (	CI	M-H, Fix	ced, 95% CI	
Serruys 2005 (ARTS)	22	600	28	605	100.0%	0.79 [0.46, 1.37]	]	-	-	
Total (95% CI)		600		605	100.0%	0.79 [0.46, 1.37]	l	•	<b>\</b>	
Total events	22		28							
Heterogeneity: Not appli Test for overall effect: Z		= 0.40)				I	0.01 Favours	0.1 experimental	1 10 Favours c	100

### 11. MI - 3 years



### 12. Repeat revascularisation - 3 years

	Experim	ental	Contr	ol		Risk Ratio	Risk Ratio
Study or Subgroup	Events	Total	<b>Events</b>	Total	Weight	M-H, Fixed, 95%	CI M-H, Fixed, 95% CI
Serruys 2005 (ARTS)	160	600	40	605	100.0%	4.03 [2.91, 5.60	1 =
Total (95% CI)		600		605	100.0%	4.03 [2.91, 5.60]	1 •
Total events	160		40				
Heterogeneity: Not appli Test for overall effect: Z		0.0000	1)				0.01 0.1 1 10 100  Favours experimental Favours control

### 13. Free of angina – 3 years

	Experim	ental	Contr	ol		Risk Ratio	Risk	Ratio
Study or Subgroup	Events	Total	<b>Events</b>	Total	Weight	M-H, Fixed, 95% C	I M-H, Fixe	ed, 95% CI
Legrand 2004 (ARTS)	490	600	528	605	100.0%	0.94 [0.89, 0.98]		
Total (95% CI)		600		605	100.0%	0.94 [0.89, 0.98]	•	
Total events	490		528					
Heterogeneity: Not appli Test for overall effect: Z		= 0.007)				F	0.01 0.1 Favours experimental	1 10 100 Favours control

### 14. Death (all causes) – 5 years

	PCI		CAB	G		Risk Ratio	Risk Ratio
Study or Subgroup	Events	Total	<b>Events</b>	Total	Weight	M-H, Fixed, 95% (	CI M-H, Fixed, 95% CI
ARTS 2005	48	600	46	605	63.7%	1.05 [0.71, 1.55	5]
Hueb 2007 ( MASS-II)	32	205	26	203	36.3%	1.22 [0.75, 1.97]	i <del>-</del>
Total (95% CI)		805		808	100.0%	1.11 [0.82, 1.50]	ı •
Total events	80		72				
Heterogeneity: Chi <sup>2</sup> = 0.	22, df = 1	(P = 0.6)	$64$ ); $I^2 = 0$	%			0.01 0.1 1 10 100
Test for overall effect: Z	= 0.69 (P	= 0.49)				F	0.01 0.1 1 10 100 Favours experimental Favours control

### 15. MI – 5 years

	PCI		CAB	G		Risk Ratio	Risk Ratio
Study or Subgroup	Events	Total	<b>Events</b>	Total	Weight	M-H, Fixed, 95% C	M-H, Fixed, 95% CI
ARTS 2005	51	600	39	605	53.9%	1.32 [0.88, 1.97]	-
Hueb 2007 ( MASS-II)	47	205	33	203	46.1%	1.41 [0.94, 2.11]	<del>  -</del>
Total (95% CI)		805		808	100.0%	1.36 [1.02, 1.81]	<b>◆</b>
Total events	98		72				
Heterogeneity: Chi <sup>2</sup> = 0.0	05, df = 1	(P = 0.8)	32); $I^2 = 0$	%			0.01 0.1 1 10 100
Test for overall effect: Z	= 2.13 (P	= 0.03)		Fa	avours experimental Favours control		

### 16. Repeat revascularisation - 5 years

	PCI		CAB	G		Risk Ratio	Risk	Ratio
Study or Subgroup	<b>Events</b>	Total	<b>Events</b>	Total	Weight	M-H, Fixed, 95% CI	M-H, Fix	ed, 95% CI
ARTS 2005	182	600	53	605	88.2%	3.46 [2.61, 4.60]		
Hueb 2007 ( MASS-II)	66	205	7	203	11.8%	9.34 [4.39, 19.86]		
Total (95% CI)		805		808	100.0%	4.15 [3.19, 5.41]		<b>•</b>
Total events	248		60					
Heterogeneity: Chi <sup>2</sup> = 6.0	00, df = 1	(P = 0.0)	01); I <sup>2</sup> = 8		0.01 0.1	1 10 100		
Test for overall effect: Z	= 10.54 (F	P < 0.00	0001)	Fa	avours experimental	Favours control		

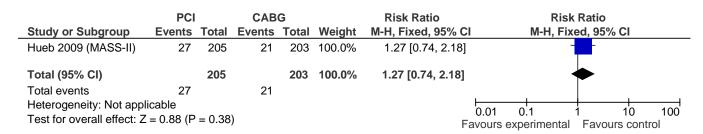
### 17. Free of angina - 5 years

	PCI	CABG			Risk Ratio	Risk Ratio
Study or Subgroup	Events To	tal Events	Total	Weight	M-H, Fixed, 95% CI	M-H, Fixed, 95% CI
ARTS 2005	467 6	00 511	605	80.1%	0.92 [0.87, 0.97]	
Hueb 2007 (MASS-II)	119 2	05 126	203	19.9%	0.94 [0.80, 1.10]	•
Total (95% CI)	8	05	808	100.0%	0.92 [0.88, 0.98]	•
Total events	586	637				
Heterogeneity: Chi <sup>2</sup> = 0.0 Test for overall effect: Z		, .	%		Fa	0.01 0.1 1 10 100 vours experimental Favours control

### 18. Death (all causes) - 10 years

	PCI		CABG		Risk Ratio			Risk Ratio			
Study or Subgroup	<b>Events</b>	Total	<b>Events</b>	Total	Weight	M-H, Fixed, 95% C		M-H, Fix	ed, 95% CI		
Hueb 2009 (MASS-II)	49	205	51	203	100.0%	0.95 [0.68, 1.34]					
Total (95% CI)		205		203	100.0%	0.95 [0.68, 1.34]		•	•		
Total events	49		51								
Heterogeneity: Not applicable Test for overall effect: Z = 0.29 (P = 0.77)						F	0.01	0.1 experimental	1 10 Favours cor	100	

### 19. MI (non-fatal) - 10 years



### 20. Repeat revascularisation - 10 years

	PCI		CAB	G		Risk Ratio		Risk	k Ratio	
Study or Subgroup	<b>Events</b>	Total	<b>Events</b>	Total	Weight	M-H, Fixed, 95% C	1	M-H, Fix	red, 95% CI	
Hueb 2009 (MASS-II)	85	205	15	203	100.0%	5.61 [3.36, 9.38]			-	
Total (95% CI)		205		203	100.0%	5.61 [3.36, 9.38]			•	
Total events	85		15							
Heterogeneity: Not app		0.00	.004)				0.01	0.1	1 10	100
Test for overall effect: Z	L = 6.58 (P)	< 0.00	001)			F	avours	experimental	Favours con	trol

### 21. Free of angina – 10 years

	PCI		CABG		Risk Ratio		Risk Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% C	M-H, Fixed, 95% CI
Hueb 2009 (MASS-II)	120	205	130	203	100.0%	0.91 [0.78, 1.07]	<b>-</b>
Total (95% CI)		205		203	100.0%	0.91 [0.78, 1.07]	•
Total events	120		130				
Heterogeneity: Not appl Test for overall effect: Z		= 0.25	)			F	0.01 0.1 1 10 100 avours experimental Favours control