

Supplementary material

Supplementary Table 1 Resource-use items and unit costs in € (2010)

Resource	Sweden	UK	Germany	Brazil
Hospitalisations				
Bed day: cardiology ward	466	344	281	35
Bed day: general ward	450	320	281	36
Bed day: coronary care unit	883	567	612	205
Bed day: thoracic intensive care unit	3146	1495	944	205
Bed day: intensive care unit	3146	1764	944	205
Investigations				
Stress test	146	82	40	13
Echocardiography	267	85	31	17
Myocardial scintigraphy	555	365	90	175
Electrophysiology study	4538	2810	1697	1104
Holter study	216	642	36	13
Ventilation/perfusion scan	266	468	117	56
Pulmonary angiography	1554	1093	179	86
Coronary angiography	1057	1093	462	264
Computer tomography				
Head/brain	206	122	179	42
Spinal	342	122	170	118
Chest	217	122	206	59
Helical	403	122	277	59
Abdomen	273	122	233	59
Extremity	279	122	170	37
Magnetic resonance imaging				
Head/brain	372	247	394	115
Spinal	468	247	376	115

Chest	353	247	385	115
Abdomen	547	247	394	115
Extremity	343	247	286	231
Interventions				
Pacemaker	6079	2963	3658	2272
Implantable cardiac defibrillator	25 319	10 752	14 929	2272
Intra-aortic balloon pump	3359	1187	1246	782
Left ventricular assist device	23 067	40 374	42 391	0
PCI without stent	1867	2527	2735	750
PCI with stent (excl. stent cost)	1867	3445	2735	676
Bare metal stent	535	153	271	873
Drug eluting stent	1069	617	1083	873
CABG without valve replacement	10 485	10 832	6701	3665
CABG with valve replacement	14 679	10 892	8267	4411
Bleeding related				
Reoperation due to bleedings	5243	10 791	5170	424
Units of packed red blood cells	103	163	87	4
Units of whole blood	119	163	202	4
Units of fresh frozen plasma	38	42	42	4
Units of platelets	205	271	364	4

CABG, coronary artery bypass graft; PCI, percutaneous coronary intervention

Supplementary Table 2 Total resource use by treatment group in the planned non-invasive PLATO population

Resource use item	Index hospitalisation			Post index hospitalisation			Full study period		
	Ticagrelor	Clopidogrel	Difference	Ticagrelor	Clopidogrel	Difference	Ticagrelor	Clopidogrel	Difference
	(n=1499)	(n=1516)		(n=1499)	(n=1516)		(n=1499)	(n=1516)	
Hospitalisations									
Bed day cardiology ward	10 962	11 214	-252	N/A	N/A	N/A	10 962	11 214	-252
Bed day general ward	N/A	N/A	N/A	6030	6894	-864	6030	6894	-864
Bed day coronary care unit	2988	3020	-32	475	695	-220	3463	3715	-252
Bed day thoracic intensive care unit	N/A	N/A	N/A	269	338	-69	269	338	-69
Bed day intensive care unit	N/A	N/A	N/A	202	233	-31	202	233	-31
Investigations									
Stress test	197	208	-11	194	215	-21	391	423	-32
Echocardiography	801	825	-24	342	370	-28	1143	1195	-52
Myocardial scintigraphy	15	8	7	27	31	-4	42	39	3
Electrophysiology study	0	1	-1	4	1	3	4	2	2
Holter study	36	38	-2	24	24	0	60	62	-2
Ventilation/perfusion scan	1	1	0	3	1	2	4	2	2
Pulmonary angiography	1	2	-1	2	0	2	3	2	1

PCI without stent	12	27	-15	18	15	3	30	42	-12
PCI with stent (excl. stent cost)	290	296	-6	152	195	-43	442	491	-49
Number of bare metal stent	267	256	11	141	166	-25	408	422	-14
Number of drug eluting stent	152	189	-37	88	102	-14	240	291	-51
CABG									
Without valve replacement	68	60	8	101	88	13	169	148	21
With valve replacement	6	3	3	4	9	-5	10	12	-2
Bleeding related*									
Reoperation due to bleedings	6	4	2	5	0	5	11	4	7
Units of packed red blood cells	148	188	-40	183	245	-62	331	433	-102
Units of whole blood	34	18	16	40	69	-29	74	87	-13
Units of fresh frozen plasma	71	100	-29	71	42	29	142	142	0
Units of platelets	61	126	-65	63	22	41	124	148	-24

CABG, coronary artery bypass graft; PCI, percutaneous coronary intervention

* Bed days due to bleedings are included in hospitalisations.

Supplementary Table 3 Mean healthcare costs per patient at 12 months

Health-care costs (€)	Ticagrel or (n=1499)	Clopidogrel (n=1516)	Difference (95% CI)	Ticagrel or (n=1499)	Clopidogrel (n=1516)	Difference (95% CI)	Ticagrel or (n=1499)	Clopidogrel (n=1516)	Difference (95% CI)	Ticagrel or (n=1499)	Clopidogrel (n=1516)	Difference (95% CI)
Bed days	8247	8842	-596 (-1246, 55)	5619	5994	- 375 (-784, 34)	4896	5211	-316 (-642, 11)	942	1005	-63 (-7,-119)
Investigations	975	970	4 (-56, 65)	839	832	7 (-48, 62)	356	352	4 (-20, 28)	198	196	2 (-11, 15)
Interventions	2364	2287	77 (-213, 367)	2577	2551	26 (-249, 303)	2022	2042	-20 (-230, 189)	1060	1073	-12 (-121, 97)
Bleeding related	88	74	14 (-35, 64)	150	114	35 (-50, 120)	101	89	12 (-53,76)	4	3	1 (-1, 4)
Study drugs	596	17	579 (564, 595)	612	20	592 (577, 608)	795	102	693 (672, 714)	631	144	487 (471, 504)
Total costs	12 268	12 189	79 (-775, 933)	9 797	9 511	286 (-349, 921)	8170	7798	372 (-106, 850)	2837	2420	416 (268, 563)

CI, confidence interval