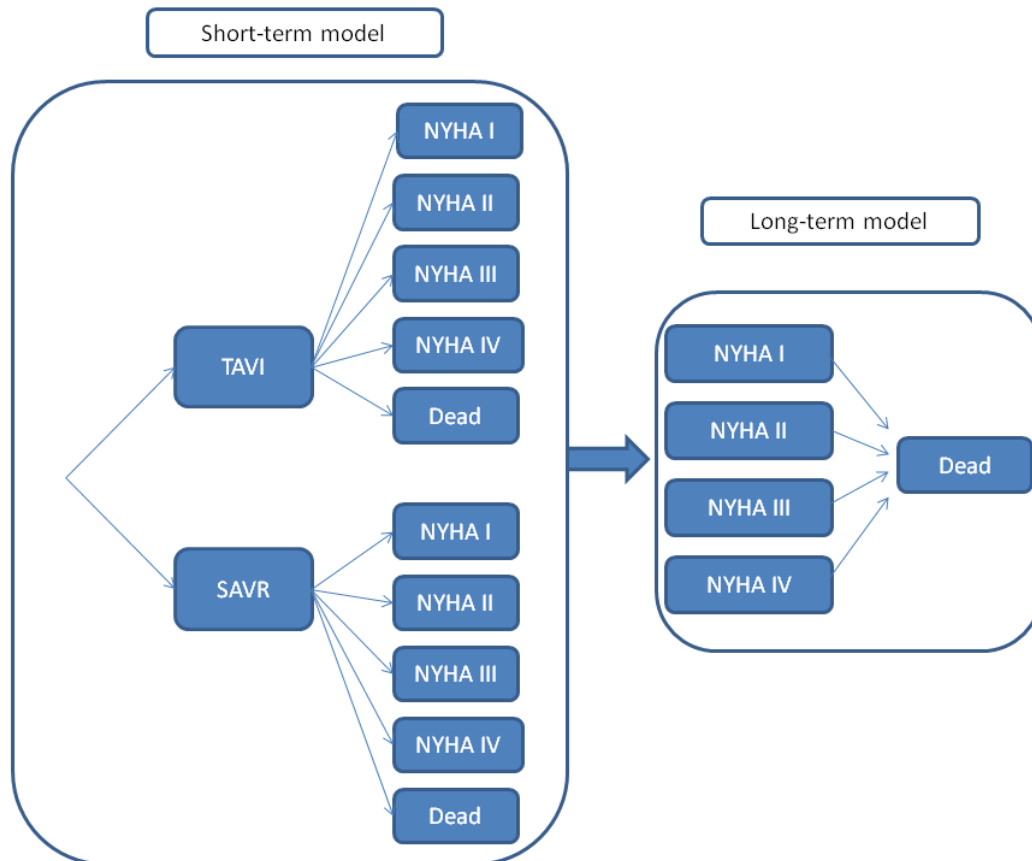


Supplementary material

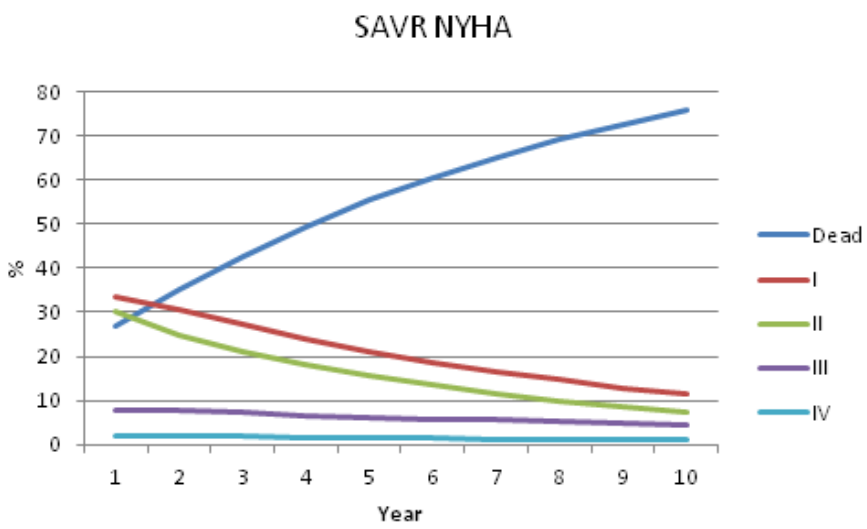
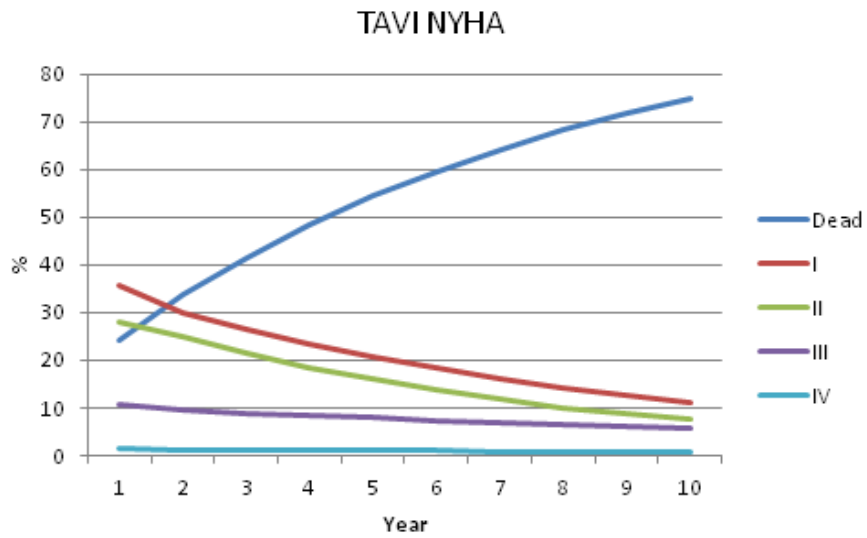
Appendix A: Structure of the decision model



Appendix B: Sensitivity analyses parameter values

Parameter	Analysis	Source
Costs		
Procedural costs	-/+ 25%	N/A
Complication costs	-/+ 25%	N/A
Weekly care costs by NYHA	-/+ 25%	N/A
TAVI Length of ICU stay	2	Zahn (2010)
TAVI tariff price	£25,000	N/A
Utility		
Alternative Utility values by NYHA		
I	0.85	Maliwa (2003)
II	0.71	Maliwa (2003)
III	0.57	Maliwa (2003)
IV	0.43	Maliwa (2003)
Complication utility decrement	+25%	
TAVI Event probabilities		
UK Registry data		Moat et al (2011)
TAVI extreme values ('worst case' scenario):		
Multiple valve	0.036	Tamburino et al (2011)
Permanent pacemaker	0.393	Zahn et al (2011)
Major stroke	0.1	Buellesfeld et al (2010)
Myocardial Infarction	0.086	Gurvitch et al (2010)
Vascular complication	0.324	Leon et al (2011)
Major bleed	0.032	Tamburino et al (2011)
Renal replacement for kidney failure	0.017	Leon et al (2011)
New Atrial Fibrillation	0.06	Leon et al (2011)
Hospitalisation hazard rate by NYHA	-/+ 25%	
Discount rate	1%/6%	N/A

Appendix C: New York Health Association classification proportions over a 10 year horizon



NYHA= New York health association; TAVI = transcatheter aortic valve implantation