

Appendix 1: PICO* Used in Literature Review

Design	P	I	C	O
Systematic reviews, RCT's, guidelines and CR audits/evaluations	Coronary Heart Disease/CHD/Heart disease/cardiac disease Myocardial Infarction/MI/myocardial ischemia Acute Coronary Syndrome/NSTEMI/STEMI/Unstable Angina Stable Angina Heart Failure/HFrEF/HFpEF PCI/CABG/angioplasty/Revascularisation/ Post valve surgery/ Atrial fibrillation/arrhythmia Post heart transplant Congenital heart disease/ Post implantable cardioverter defibrillator Inherited cardiac conditions/hypertrophic cardiomyopathy Cardiac resynchronisation therapy Age: no restrictions Time limiters: 2015 – to date (post search dates for Anderson L, Thompson DR, Oldridge N, Zwisler AD, Rees K, et al. (2016))	*Multi-component cardiac rehabilitation (CR) Structured delivery by CR staff Under supervision of CR staff Inpatient/outpatient Delivered anywhere globally Time: anytime relative to event/diagnosis *Multi-component to include any of BACPR core components: Health behaviour change and education, lifestyle risk factor management, psychosocial health, medical risk management, long-term strategies	Usual care – patients with index event not participating in CR	Primary/secondary outcomes (BACPR components) Total mortality Cardiovascular mortality Major cardiovascular events (include no. of events per pt. & no. of pts. having an event) Non-fatal myocardial infarction Hospital readmission all cause Hospital readmission specific to CV/cardiac/HF related Unplanned hospital readmission for any cardiovascular event Exercise capacity Quality of Life BMI/waist circumference/weight Tobacco cessation Blood pressure/glucose/blood lipids Medication adherence Return to work

(*Population, Interention, Comparison, Outcomes)

