

Supplementary Materials

Figures:

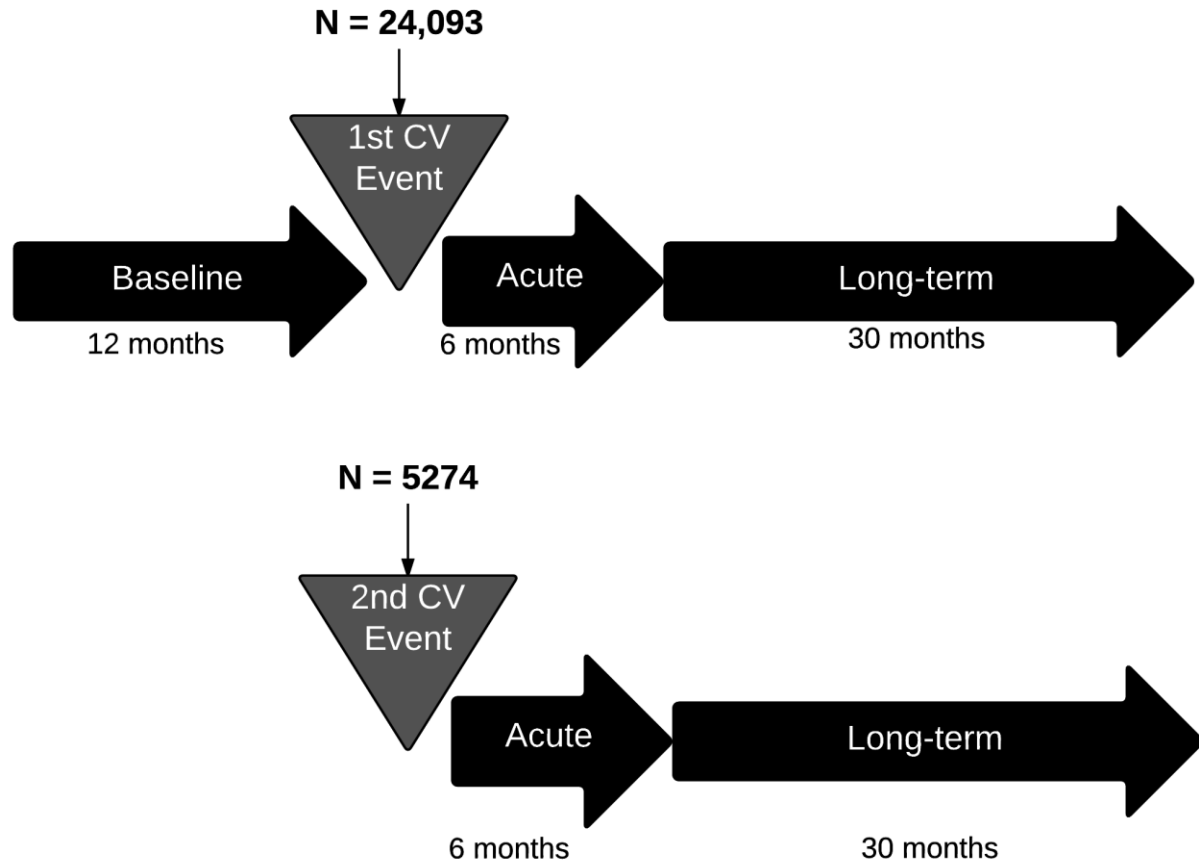
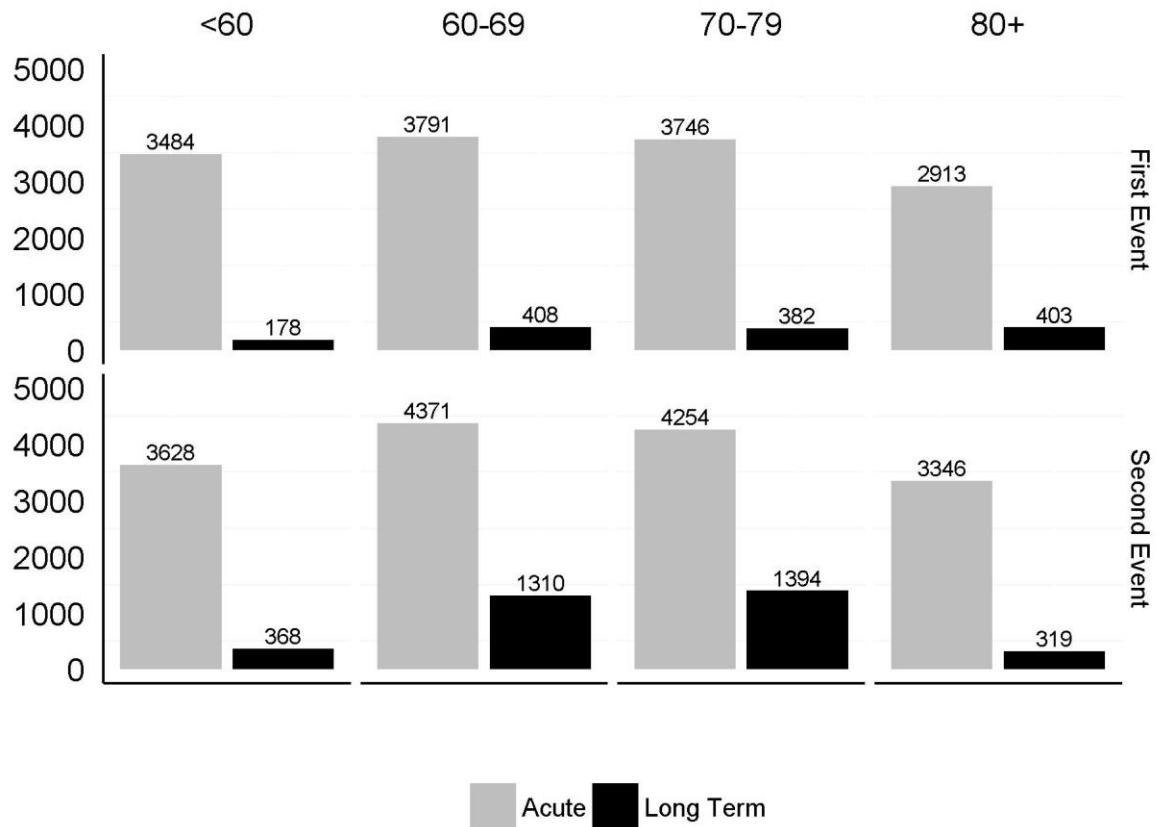


Figure 1: Overview of Study Design

Note: The study sample was selected in the following way. We identified unique patients with CV hospitalizations in HES from 2006 to 2012 (105,526), selected those with linked, up-to-standard CPRD data (69,248), selected those who received LMT within 180 days (28,051), and then selected those without a prior history of myocardial infarction or ischemic stroke in the GP data (24,093).

Figure 2: Incremental Costs (£) by Age Group and Cohort



Note: Costs in 2014 £ based on assignment of unit costs to utilization as described in Methods.

Tables:**Table 1: Codes to Identify Medications***

Category	BNF Chapter Number	BNF Chapter Title
Diabetes	060101	Insulins
	060102	Antidiabetic Drugs
Anti-coagulant	020802	Oral Anticoagulants
	020900	Antiplatelet Drugs
Anti-hypertensive	020400	Beta-adrenoceptor Blocking Drugs
	020501	Vasodilator Antihypertensive Drugs
	020502	Centrally Acting Antihypertensive Drugs
	020503	Adrenergic Neurone Blocking Drugs
	020504	Alpha-adrenoceptor Blocking Drugs
	020505	Drugs Affecting The Renin-angiotensin System
	020602	Calcium-channel Blockers
Lipid modifying therapy	021204	Statins*
	021202	Ezetimibe
	021203	Fibrates
	021205	Nicotinic acid
	021201	Bile acid sequestrants

*Statin intensity as defined below was based on Stone NJ, et al. American College of Cardiology/American Heart Association Task Force on Practice Guidelines. 2013 ACC/AHA guideline on the treatment of blood cholesterol to reduce atherosclerotic cardiovascular risk in adults: a report of the American College of Cardiology/American Heart Association Task Force on Practice Guidelines. Circulation. 2014 Jun 24;129 (25 Suppl 2):S1-45. doi: 10.1161/01.cir.0000437738.63853.7a. PMID: 24222016.

High-intensity statins: Atorvastatin 40, 80 mg; Rosuvastatin 20, 40 mg; Simvastatin 80 mg

Medium-intensity statins: Fluvastatin 80 mg; Simvastatin 20, 40 mg; Atorvastatin 10, 20 mg; Rosuvastatin 5, 10 mg; Lovastatin 40 mg; Pravastatin 40, 80 mg; Pitavastatin 2, 4 mg

Low-intensity statins: Fluvastatin 20-40 mg; Simvastatin 10 mg; Lovastatin 20 mg; Pravastatin 10-20 mg

Table 2: Codes to Identify Hospitalizations

Hospitalization Diagnosis Code(s)	Condition	Type of Code
I21, I22	Myocardial infarction	ICD-10 diagnosis
I20.0, I20.9, I24.0, I24.8, I24.9	Unstable angina	ICD-10 diagnosis
I63	Ischemic stroke	ICD-10 diagnosis
I11.0, I13.0, I13.2, I50	Heart failure	ICD-10 diagnosis
G45.8, G45.9	Transient ischemic attack	ICD-10 diagnosis
K40	Saphenous vein graft replacement of coronary artery	OPCS procedure for CABG
K41	Other autograft replacement of coronary artery	OPCS procedure for CABG
K42	Allograft replacement of coronary artery	OPCS procedure for CABG
K43	Prosthetic replacement of coronary artery	OPCS procedure for CABG
K44	Other replacement of coronary artery	OPCS procedure for CABG
K45	Connection of thoracic artery to coronary artery	OPCS procedure for CABG
K46	Other bypass of coronary artery	OPCS procedure for CABG
K49	Transluminal balloon angioplasty of coronary artery	OPCS procedure for PTCA
K50	Other therapeutic transluminal operations on coronary artery	OPCS procedure for PTCA
K75	Percutaneous transluminal balloon angioplasty and insertion of stent into coronary artery	OPCS procedure for PTCA

Note: The number of characters sufficient to capture the entire set of codes is provided above.