

Supplement

Supplement Methods

Data sources:

The following mandated-by-law nationwide registry data were collected and combined from all study patients:

- All hospital admissions, all outpatient visits in specialist medical care, and all emergency room admissions (International Classification of Diagnosis / ICD-10) and operational codes (Nordic Classification of Surgical Procedures) collected from the CRHC registry. Received from the National Institute for Health and Welfare of Finland. Available from Jan 1st 2004.
- Cancer data from the Finnish Cancer Registry. Received from the National Institute for Health and Welfare of Finland. Available from Jan 1st 1980.
- Prescription medication purchases including Anatomical Therapeutic Chemical (ATC)-codes and purchase dates. Received from the National Institute for Health and Welfare of Finland (Findata). Available from Jan 1st 2004.
- Entitlements to special reimbursements for prescription medications including entitlement codes and underlying ICD diagnoses. Received from the National Institute for Health and Welfare of Finland (Findata). Available from Jan 1st 1964.
- Mortality data including date and causes of death. Received from the Statistics Finland. Available from Jan 1st 2005.

Co-morbidities were detected from the data of index MI admission and data available prior to index MI. Revascularization was detected from the data of index MI admission.

Outcome definitions:

- Major adverse cardiovascular event: Cardiovascular death, new myocardial infarction, or ischemic stroke.
- Cardiovascular death: Death with ICD-10 code I* as the underlying cause of death.
- New myocardial infarction: ICD-10 code I21* or I22* as primary diagnosis in new hospital admission or as any cause of death.
- Ischemic stroke: ICD-10 code I63* as diagnosis in new hospital admission or as any cause of death.

	ATC-codes
Antidiabetic	A10
Insulin	A10A
Non-insulin	A10B
ACEi or ARB	C09, C10BX04, C10BX06, C10BX07, C10BX10-17
Aldosterone antagonist	C03DA01, C03DA04
Antiarrhythmic	C01B
Beta-blocker	C07, C09BX02, C09BX04, C09BX05, C09DX05
Digoxin	C01A
Ezetimibe	C10AX09, C10BA02, C10BA05, C10BA06
Oral anticoagulant	B01AA, B01AE, B01AF, B01AX06
P2Y₁₂-inhibitor	B01AC04, B01AC05, B01AC22, B01AC24
Statin	C10AA, C10BA ^a , C10BX

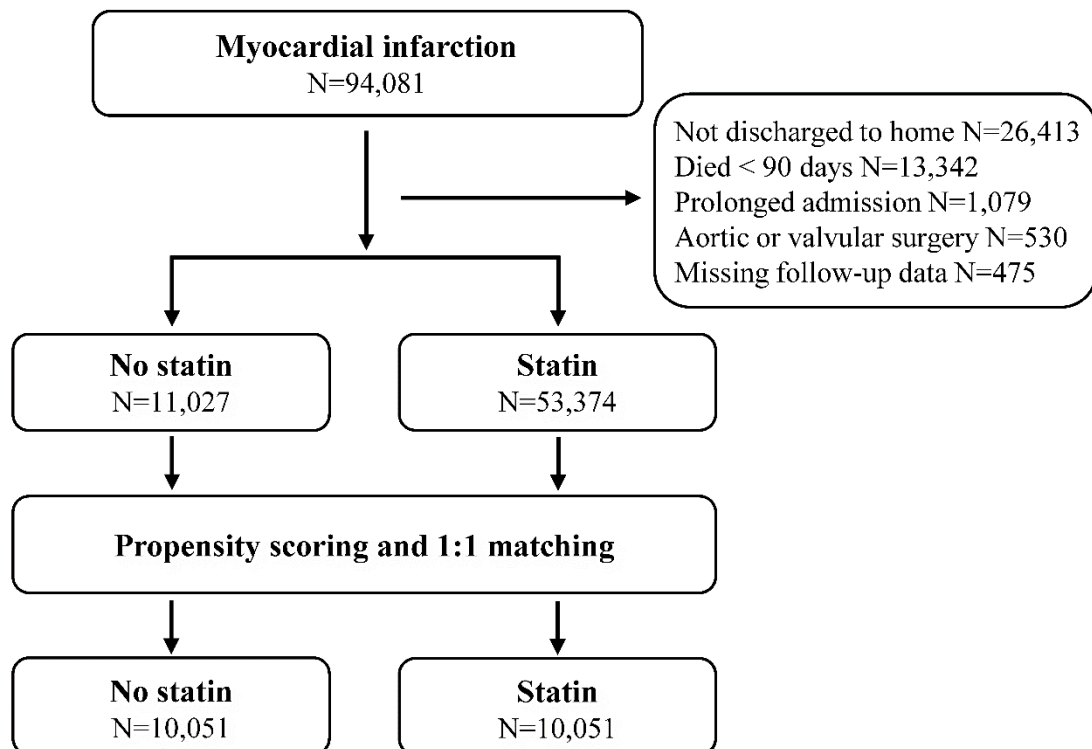
^aExcluding C10BA10

Supplement Table 1. Anatomical Therapeutic Chemical Classification (ATC) codes for studied prescription medications. ACEi = Angiotensin-converting-enzyme inhibitor, ARB = angiotensin receptor blocker.

Statin	ATC-codes	%^a
Simvastatin	C10AA01, C10BX01, C10BX04, C10BA02, C10BA04	57.6%
Atorvastatin	C10AA05, C10BA05, C10BA08, C10BX03, C10BX06, C10BX08, C10BX11, C10BX12, C10BX15, C10BX18	36.7%
Rosuvastatin	C10AA07, C10BA06, C10BA07, C10BA09, C10BX05, C10BX07, C10BX09, C10BX10, C10BX13, C10BX14, C10BX16, C10BX17	6.6%
Fluvastatin	C10AA04	2.0%
Pravastatin	C10AA03, C10BA11, C10BA12, C10BX02	1.5%
Lovastatin	C10AA02, C10BA01	0.6%

^aOf statin users

Supplement Table 2. Statins used by study patients within 90 days after myocardial infarction admission. ATC = Anatomical Therapeutic Chemical Classification.



Supplement Figure 1. Study flowchart.