

Supplementary material

Table S1 ICD-10 codes for comorbidities registered prior to MI diagnosis and for diagnoses registered during MI admission.

Disease	ICD-10 codes
Myocardial infarction	I21
Ischemic heart disease	I20, I22-25
Congestive heart failure	I11.0, I13.0, I13.2, I42.0, I42.6, I42.7, I42.8, I42.9, I50.0, I50.1, I50.2, I50.3, I50.8, I50.9
Moderate/severe renal disease	I12, I13, N00-N05, N07, N11, N14, N17-N19, Q61
Chronic obstructive lung disease	J44
Cancer (excluding malign melanoma)	C00-C42 and C44-C97
Arterial fibrillation	I48
Cardiac arrest	I46
Cardiogenic shock	R570

Comorbidities were defined as registrations of a primary or secondary diagnosis in the Danish National Patient Registry up to 5 years prior to the call. For diagnosis registered during the MI admission for which the patient was included in the study, we included all types of diagnosis. ICD-10: International Classification of Diseases, 10th revision.

Table S2 ATC-codes for claimed prescribed medication used to define presence of disease and use of medication

Disease/medicine	ATC codes
Type 2 diabetes	A10
Hypertension	α adrenergic blockers: C02A, C02B, C02C Diuretics: C02DA, C03A, C03B, C03D, C03E, C03X, C02DA, C07B, C07C, C07D, C08G, C09BA, C09DA, C09XA52, C02L Vasodilators: C02DB, C02DD, C02DG, Beta-blockers: C07A-D, C07F Calcium channel blockers: C07FB, C08, C08G, C09BB, C09DB Renin-angiotensin system inhibitors: C09AA, C09BA, C09BB, C09CA, C09DA, C09DB, C09XA02, C09XA52
NSAID	M01A
Opioids	N02AA01, N02AA03-5, N02AA55, N02AB02, N02AB03, N02AE01, N02AG02, N02AX02, N02AX06, N07BC02, R05DA04

Table S3 ICD-10 codes for MI diagnoses

MI diagnosis	ICD-10 codes
STEMI	I210B, I211B, I213
NSTEMI	I210A, I211A, I214
Unknown/other	I210, I211, I219, I219A

ICD-10: International Classification of Diseases, 10th revision.

Table S4 Subset of diagnosis registered during admission with MI (for which the patient was included in this study).

Diagnosis registred during admission with MI	Non-chest pain		Chest pain	
	N	Proportion	N	Proportion
MI	1309	100%	4109	100%
Ischemic heart disease	386	29.49%	1329	32.34%
Heart failure	282	21.54%	422	10.27%
Atrial fibrillation	138	10.54%	288	7.01%
COPD	126	9.63%	91	2.21%
Moderate/severe renal disease	68	5.19%	97	2.36%
Cardiac arrest	31	2.37%	46	1.12%
Cardiogenic shock	28	2.14%	25	0.61%

N is the number of admissions where the diagnosis was registered for non-chest pain and chest pain, respectively. The proportion indicates the share of all admissions for non-chest pain/chest pain where the diagnosis was registered. We included all types of diagnoses including primary, secondary, and referral diagnoses.

Table S5 Minutes from call to hospital arrival for subgroups of chest pain and non-chest pain and emergency response.

Population	Response	N	Time from call to hospital arrival in minutes				
			Mean	Median IQR [25%;75%]	10th percentile	90th percentile	Missing data
Non-chest pain	Emergency ambulance	527	57.6	51.5 [41.1;63.5]	34.1	78.5	4
	No emergency ambulance	782	124.0	61.6 [44.2;92.7]	27.2	199.5	4
Chest pain	Emergency ambulance	3731	49.3	46.4 [37.2;56.6]	30.6	69.9	14
	No emergency ambulance	378	92.7	49.7 [29.9;68.8]	16.4	99.4	≤ 3