



Study results
Risk of subsequent cardiovascular events in patients
discharged after myocardial infarction - Perseus
(3 of 3)
Exploratory objectives and sensitivity analysis

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Prepared for
AstraZeneca Nordic Baltic

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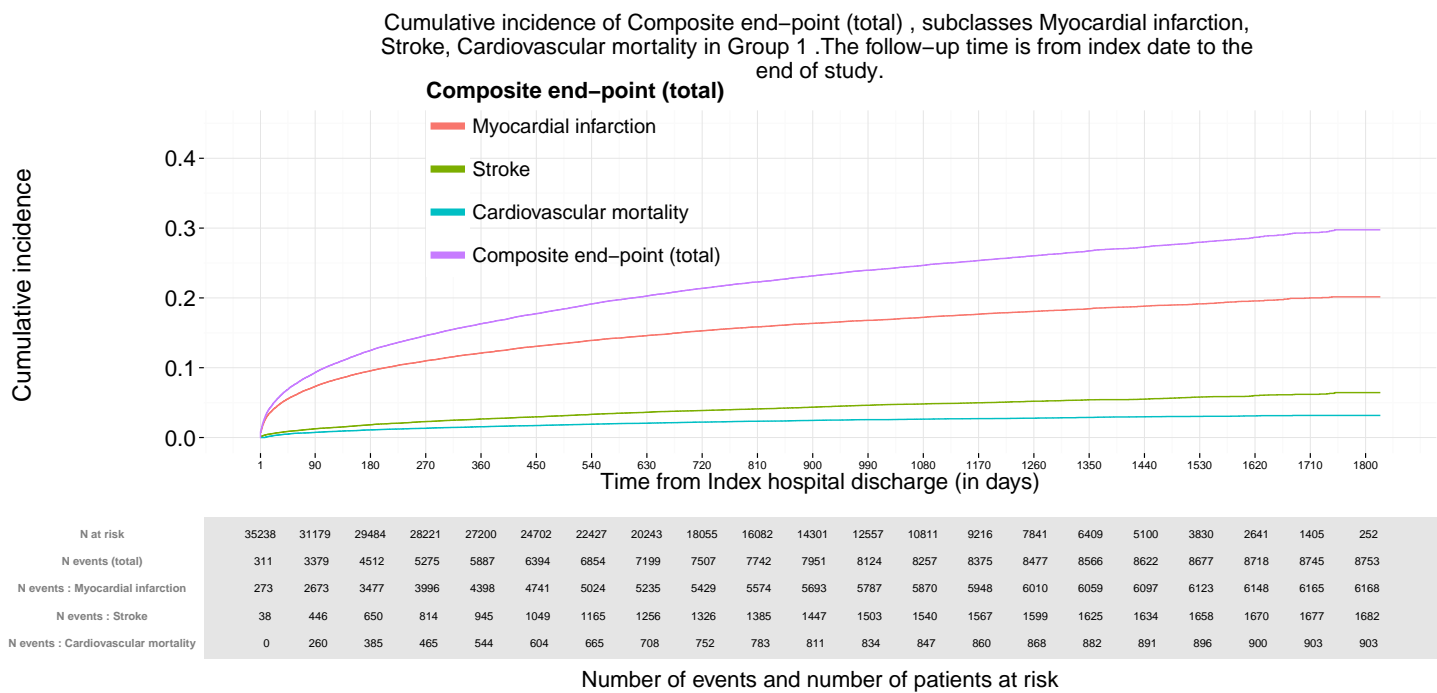
Chapter 1

Exploratory objectives

1.1 Cumulative incidence rates for the exploratory outcomes

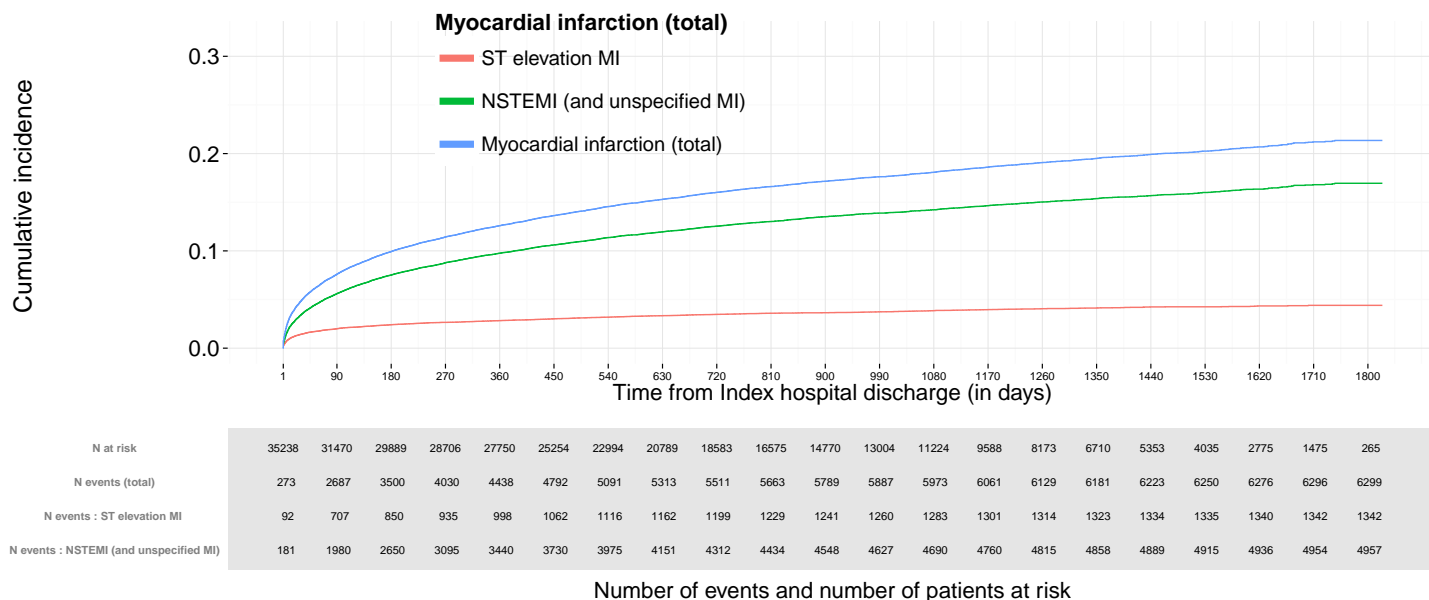
1.1.1 Cumulative incidence of exploratory outcomes for group 1

Composite end-point (total)



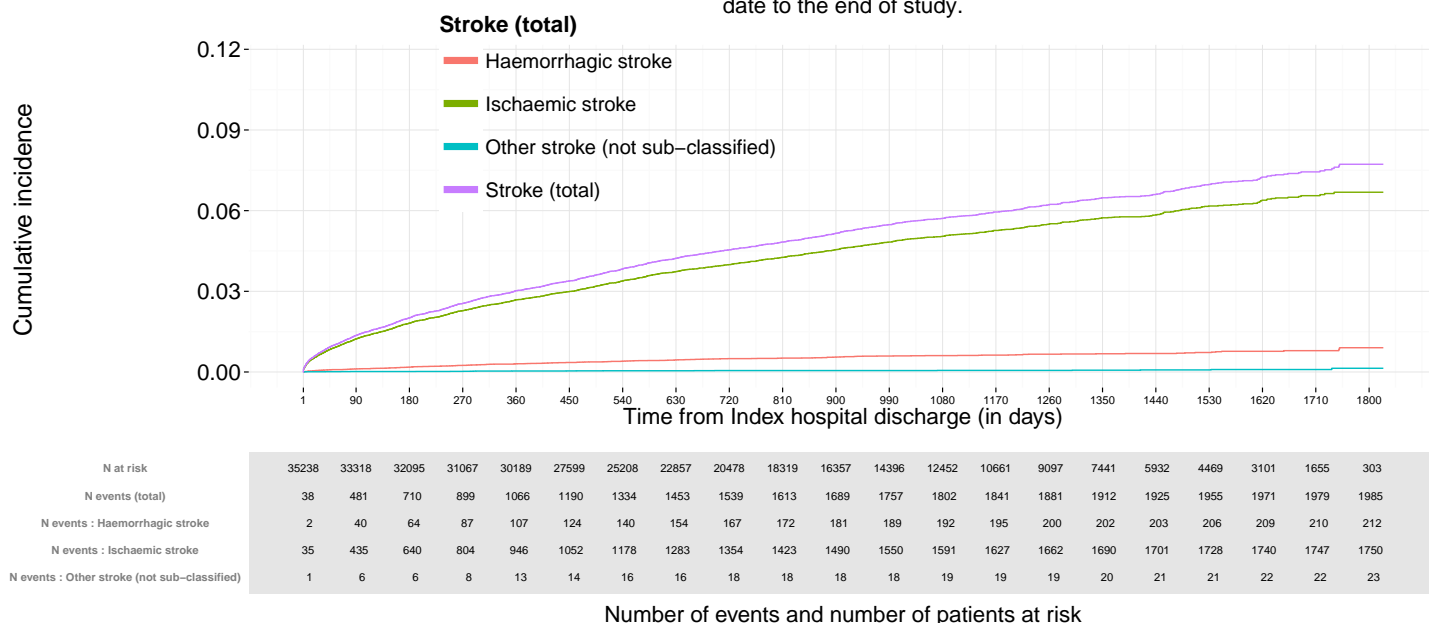
Myocardial infarction (total)

Cumulative incidence of Myocardial infarction (total) , subclasses ST elevation MI , NSTEMI (and unspecified MI) in Group 1 .The follow-up time is from index date to the end of study.



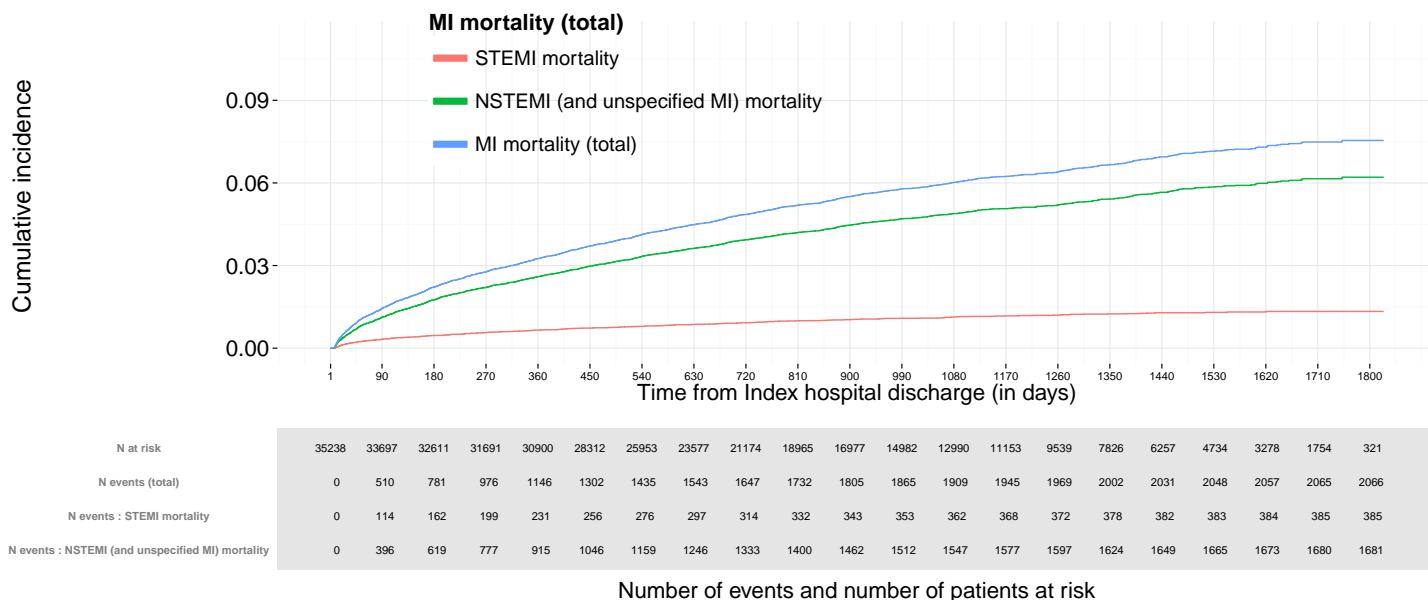
Stroke (total)

Cumulative incidence of Stroke (total) , subclasses Haemorrhagic stroke, Ischaemic stroke, Other stroke (not sub-classified) in Group 1 .The follow-up time is from index date to the end of study.



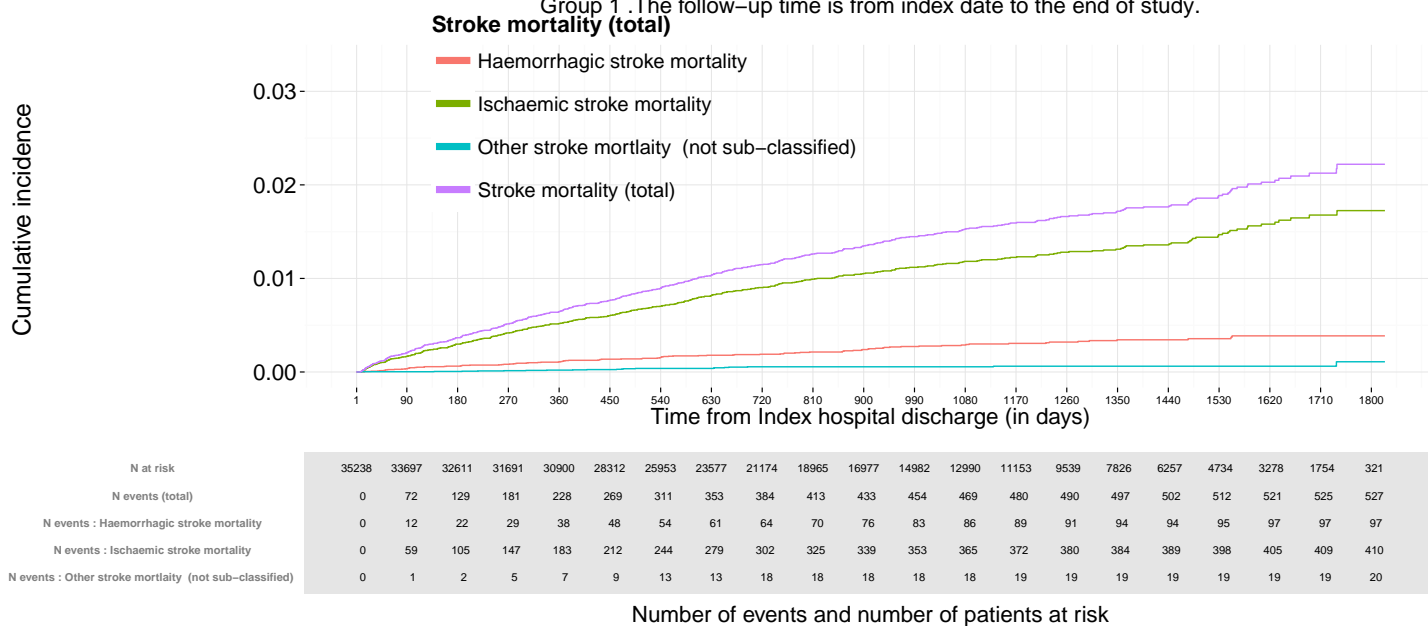
MI mortality (total)

Cumulative incidence of MI mortality (total) , subclasses STEMI mortality, NSTEMI (and unspecified MI) mortality in Group 1 .The follow-up time is from index date to the end of study.



Stroke mortality (total)

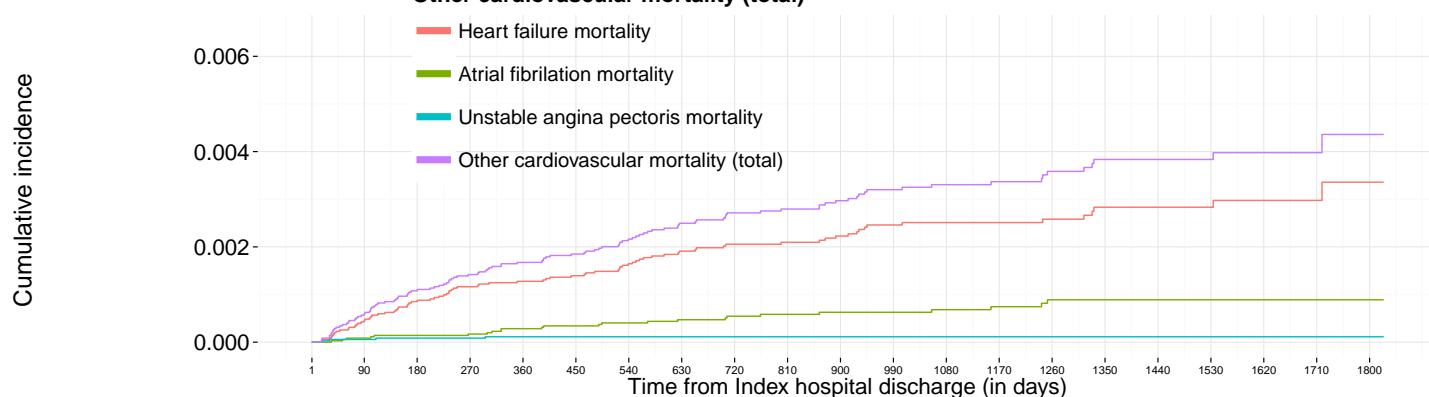
Cumulative incidence of Stroke mortality (total) , subclasses Haemorrhagic stroke mortality, Ischaemic stroke mortality, Other stroke mortality (not sub-classified) in Group 1 .The follow-up time is from index date to the end of study.



Other cardiovascular mortality (total)

Cumulative incidence of Other cardiovascular mortality (total) , subclasses Heart failure mortality, Atrial fibrillation mortality, Unstable angina pectoris mortality in Group 1
The follow-up time is from index date to the end of study.

Other cardiovascular mortality (total)



N at risk	35238	33697	32611	31691	30900	28312	25953	23577	21174	18965	16977	14982	12990	11153	9539	7826	6257	4734	3278	1754	321
N events (total)	0	21	39	50	59	65	75	85	91	93	97	102	104	105	108	111	111	111	112	112	113
N events : Heart failure mortality	0	16	31	41	45	49	57	65	69	70	73	78	79	79	80	83	83	83	84	84	85
N events : Atrial fibrillation mortality	0	3	5	6	10	12	14	16	18	19	20	20	21	22	24	24	24	24	24	24	24
N events : Unstable angina pectoris mortality	0	2	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4

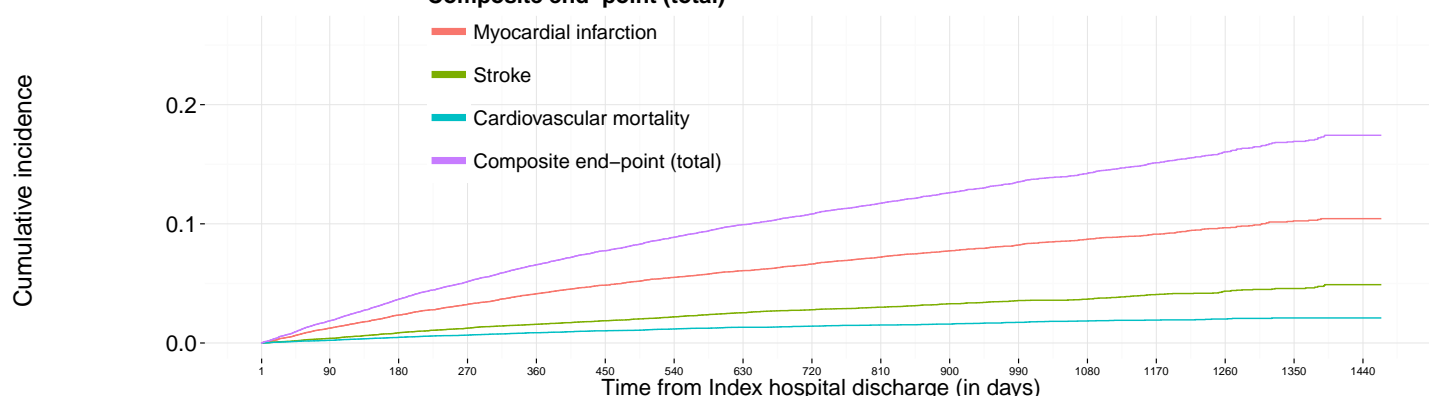
Number of events and number of patients at risk

1.1.2 Cumulative incidence of exploratory outcomes for group 2

Composite end-point (total)

Cumulative incidence of Composite end-point (total) , subclasses Myocardial infarction, Stroke, Cardiovascular mortality in Group 2 .The follow-up time is from 1 year after index date to the end of study.

Composite end-point (total)

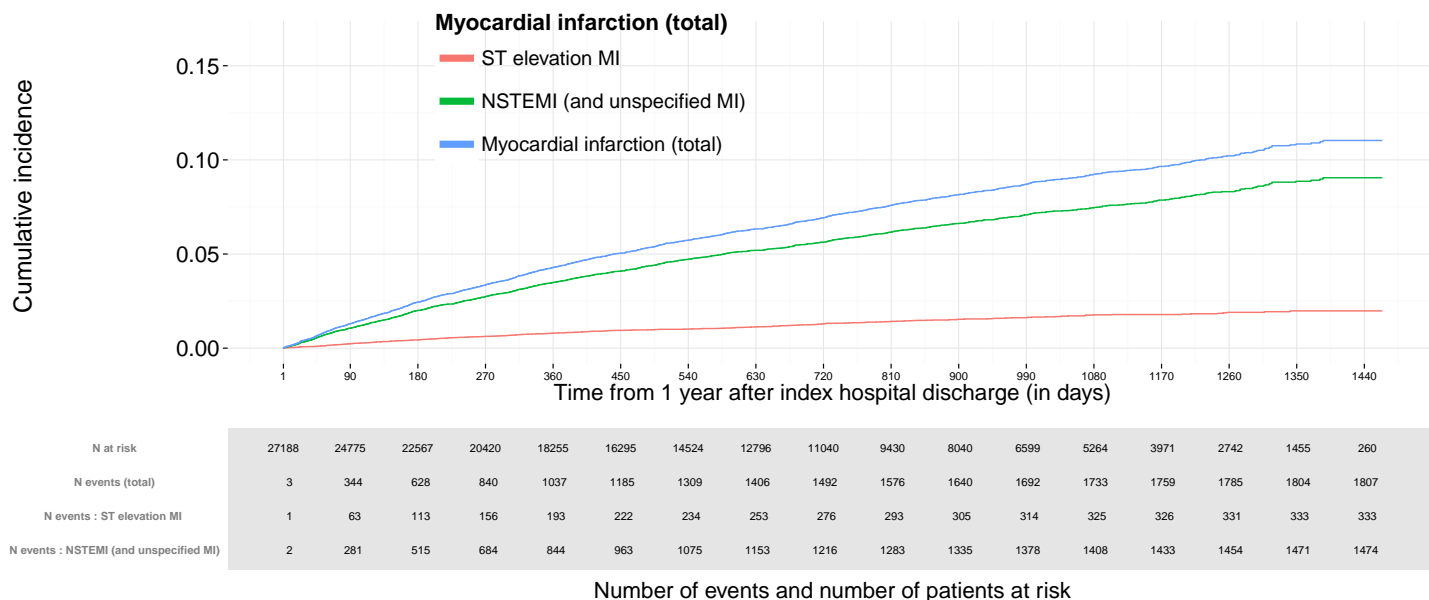


N at risk	27188	24702	22427	20243	18055	16082	14301	12557	10811	9216	7841	6409	5100	3830	2641	1405	252
N events (total)	3	507	967	1312	1620	1855	2064	2237	2370	2488	2590	2679	2735	2790	2831	2858	2866
N events : Myocardial infarction	3	343	626	837	1031	1176	1295	1389	1472	1550	1612	1661	1699	1725	1750	1767	1770
N events : Stroke	0	104	220	311	381	440	502	558	595	622	654	680	689	713	725	732	737
N events : Cardiovascular mortality	0	60	121	164	208	239	267	290	303	316	324	338	347	352	356	359	359

Number of events and number of patients at risk

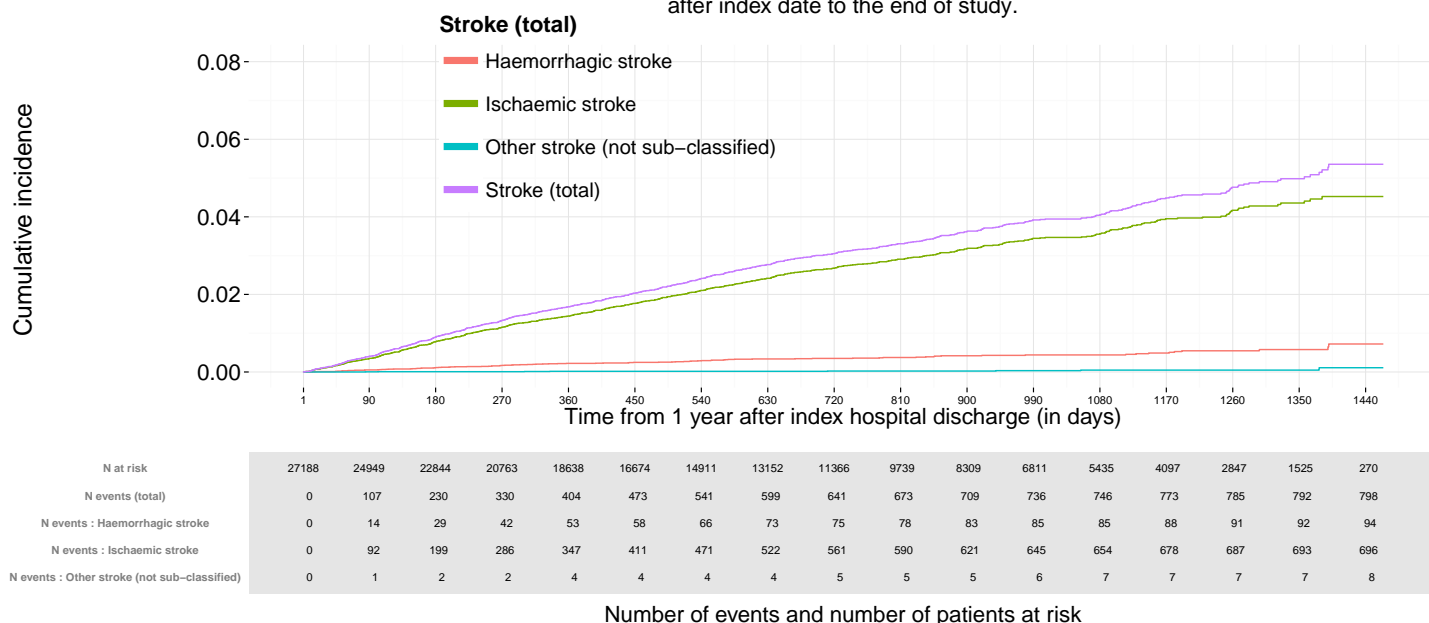
Myocardial infarction (total)

Cumulative incidence of Myocardial infarction (total) , subclasses ST elevation MI , NSTEMI (and unspecified MI) in Group 2 .The follow-up time is from 1 year after index date to the end of study.



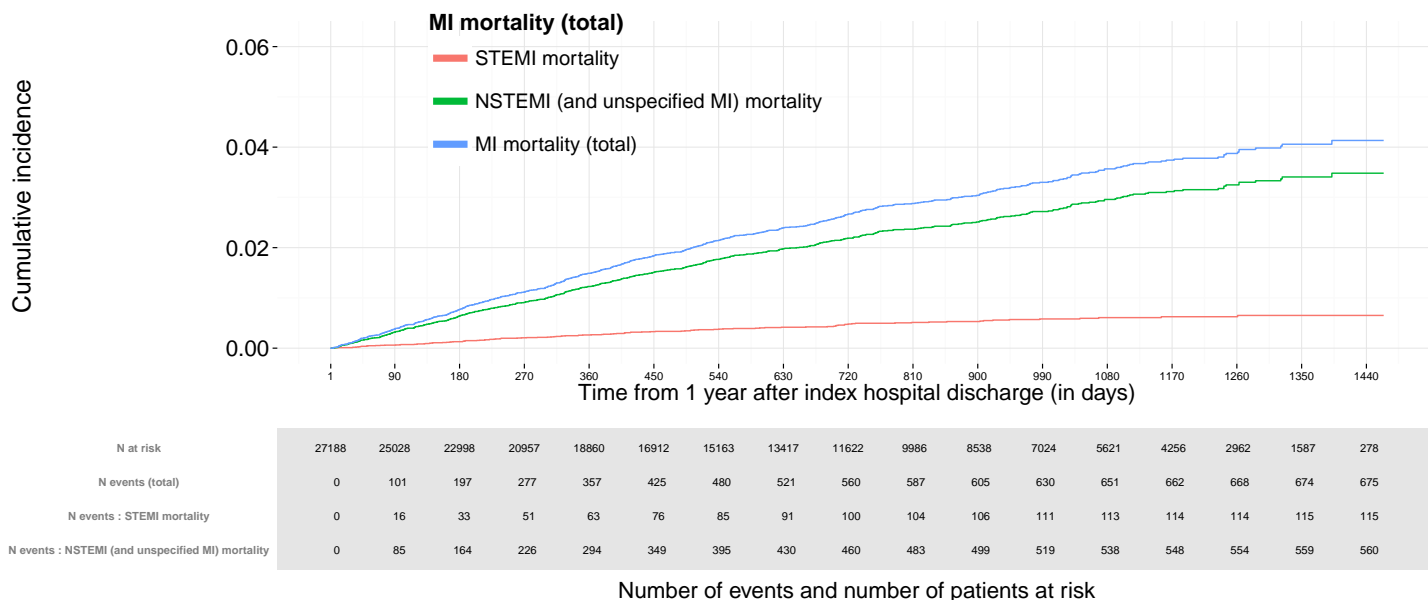
Stroke (total)

Cumulative incidence of Stroke (total) , subclasses Haemorrhagic stroke, Ischaemic stroke, Other stroke (not sub-classified) in Group 2 .The follow-up time is from 1 year after index date to the end of study.



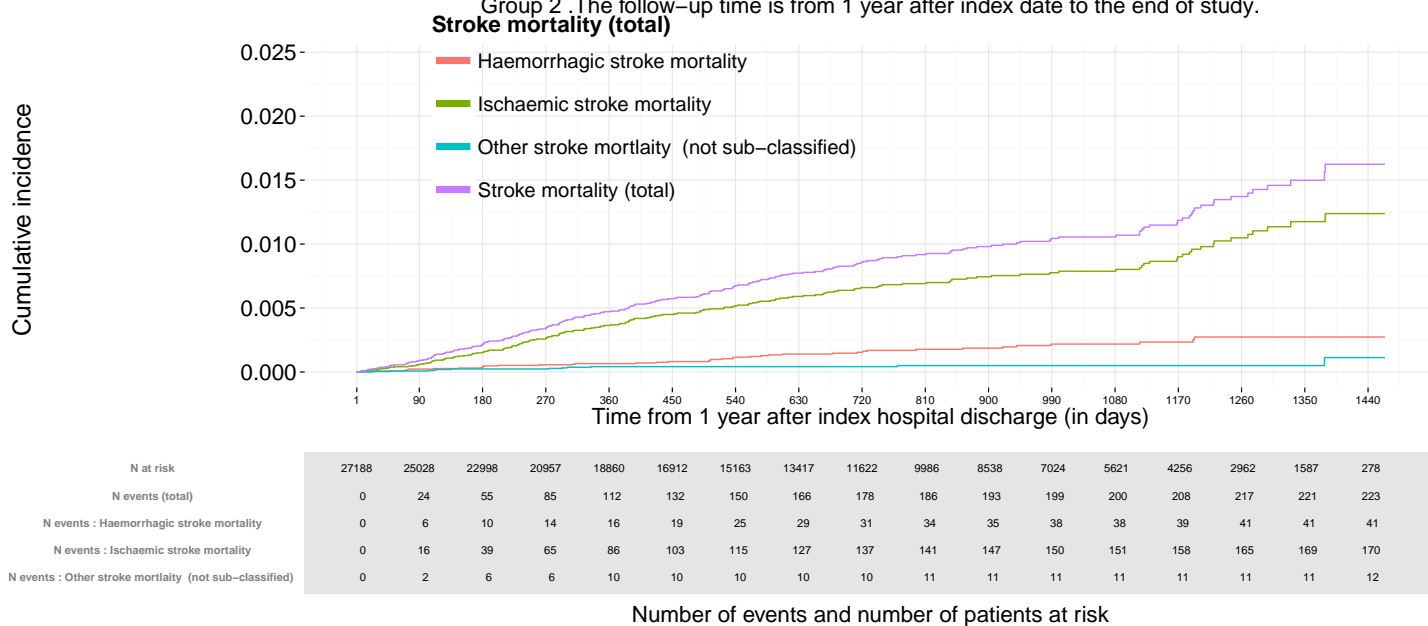
MI mortality (total)

Cumulative incidence of MI mortality (total) , subclasses STEMI mortality, NSTEMI (and unspecified MI) mortality in Group 2 .The follow-up time is from 1 year after index date to the end of study.



Stroke mortality (total)

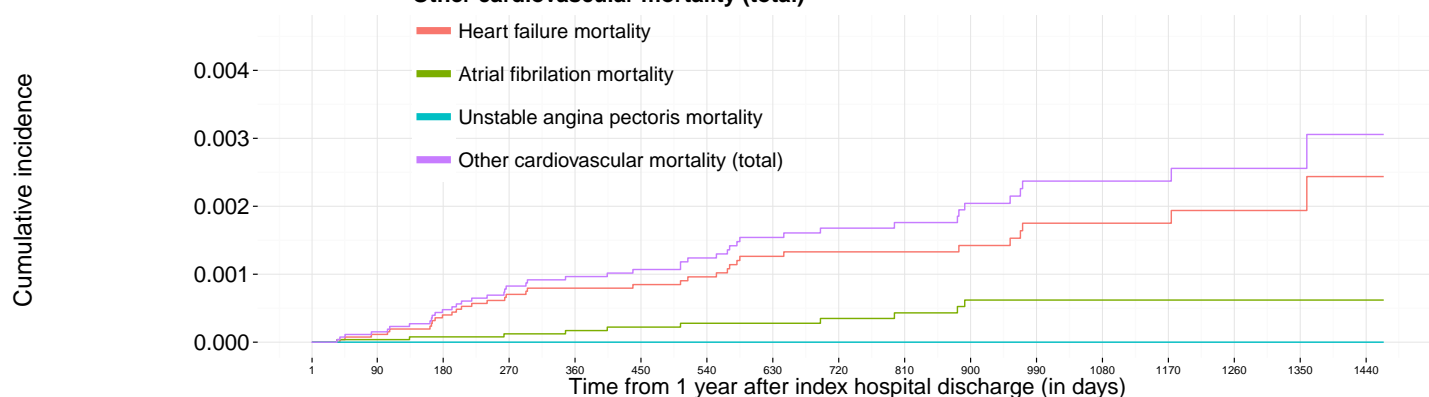
Cumulative incidence of Stroke mortality (total) , subclasses Haemorrhagic stroke mortality, Ischaemic stroke mortality, Other stroke mortality (not sub-classified) in Group 2 .The follow-up time is from 1 year after index date to the end of study.



Other cardiovascular mortality (total)

Cumulative incidence of Other cardiovascular mortality (total) , subclasses Heart failure mortality, Atrial fibrillation mortality, Unstable angina pectoris mortality in Group 2
The follow-up time is from 1 year after index date to the end of study.

Other cardiovascular mortality (total)



N at risk	27188	25028	22998	20957	18860	16912	15163	13417	11622	9986	8538	7024	5621	4256	2962	1587	278
N events (total)	0	4	12	20	23	25	28	33	35	36	39	42	42	42	43	43	44
N events : Heart failure mortality	0	3	10	17	19	20	22	27	28	28	29	32	32	32	33	33	34
N events : Atrial fibrillation mortality	0	1	2	3	4	5	6	6	7	8	10	10	10	10	10	10	10
N events : Unstable angina pectoris mortality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

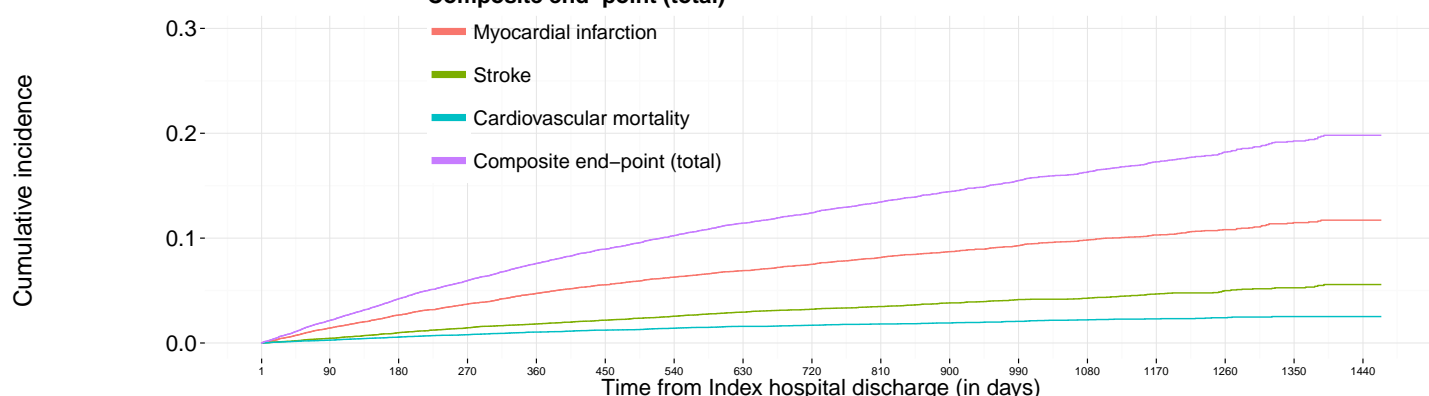
Number of events and number of patients at risk

1.1.3 Cumulative incidence of exploratory outcomes for group 3

Composite end-point (total)

Cumulative incidence of Composite end-point (total) , subclasses Myocardial infarction, Stroke, Cardiovascular mortality in Group 3 .The follow-up time is from 1 year after index date to the end of study.

Composite end-point (total)

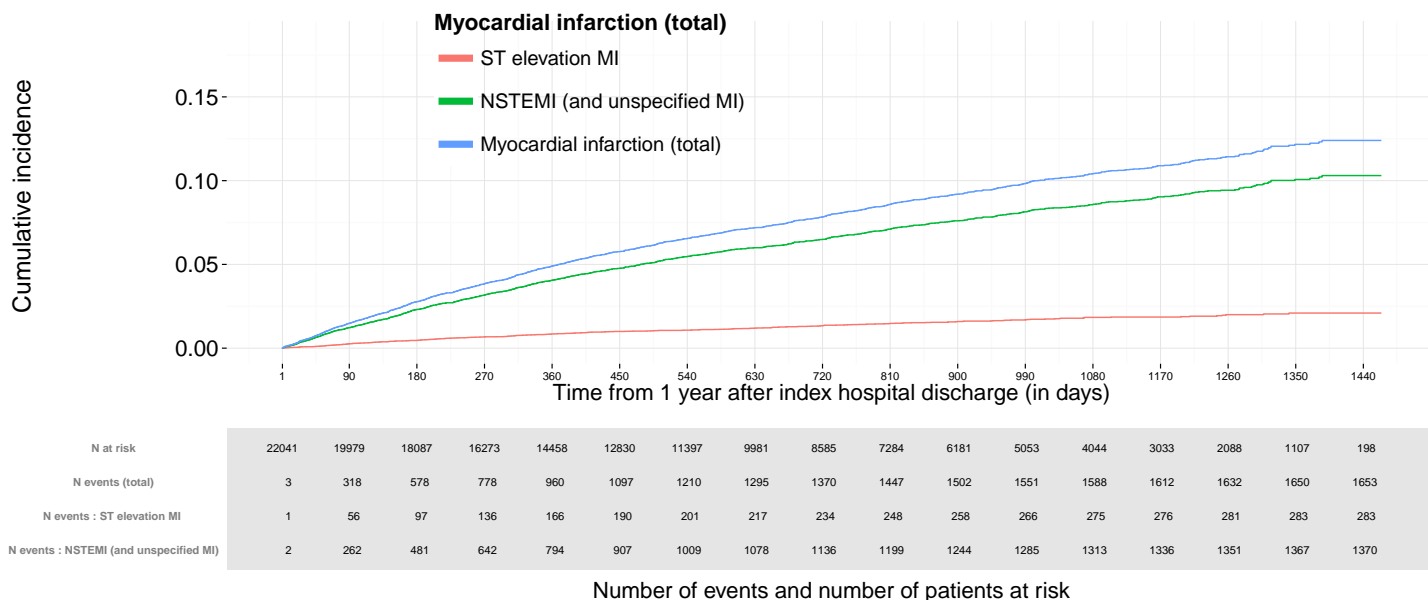


N at risk	22041	19910	17957	16108	14276	12634	11193	9763	8377	7091	5998	4877	3891	2904	1996	1062	192
N events (total)	3	473	898	1227	1514	1735	1928	2086	2204	2314	2406	2489	2540	2589	2623	2649	2656
N events : Myocardial infarction	3	317	576	775	954	1088	1196	1280	1353	1424	1477	1523	1557	1581	1600	1616	1619
N events : Stroke	0	97	205	293	357	415	473	524	557	583	614	639	647	667	678	685	689
N events : Cardiovascular mortality	0	59	117	159	203	232	259	282	294	307	315	327	336	341	345	348	348

Number of events and number of patients at risk

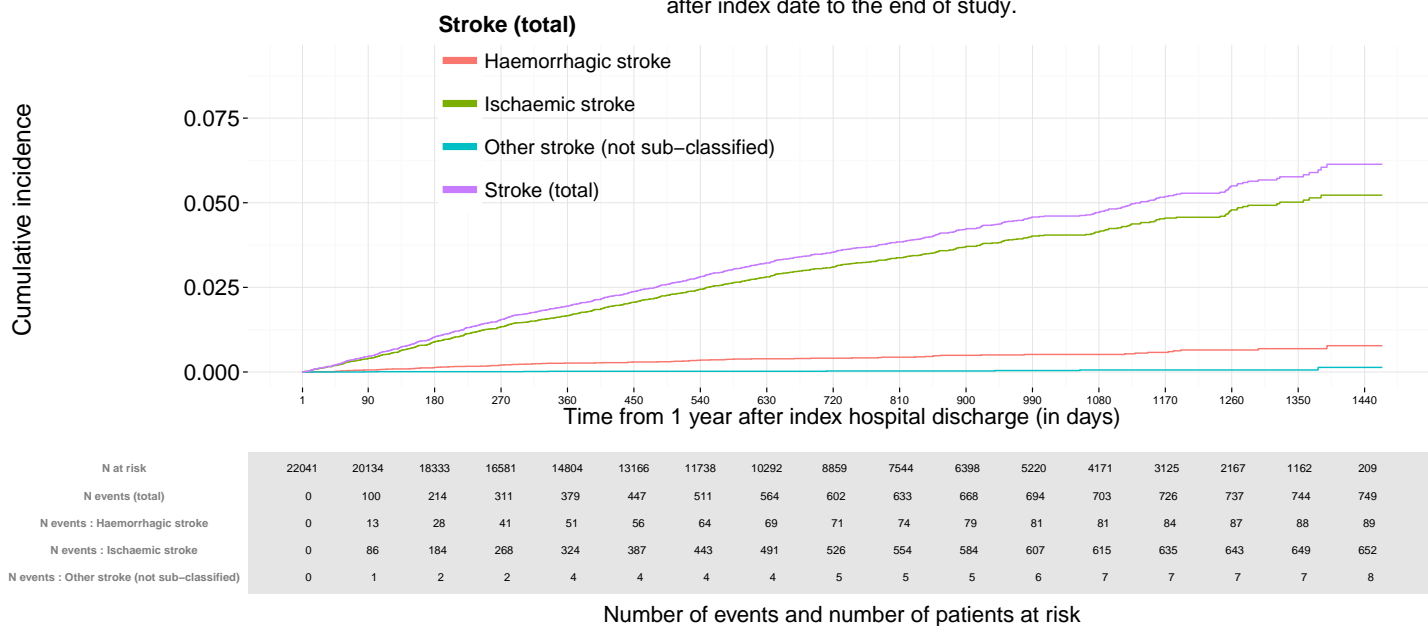
Myocardial infarction (total)

Cumulative incidence of Myocardial infarction (total) , subclasses ST elevation MI , NSTEMI (and unspecified MI) in Group 3 .The follow-up time is from 1 year after index date to the end of study.



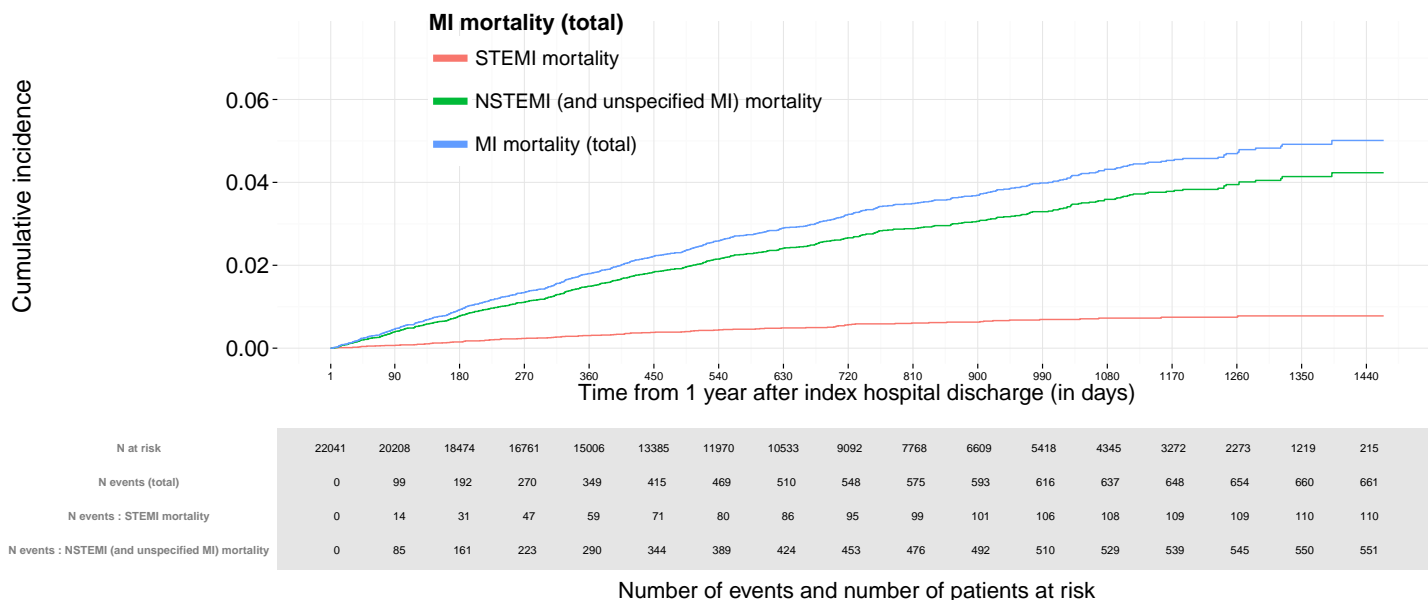
Stroke (total)

Cumulative incidence of Stroke (total) , subclasses Haemorrhagic stroke, Ischaemic stroke, Other stroke (not sub-classified) in Group 3 .The follow-up time is from 1 year after index date to the end of study.



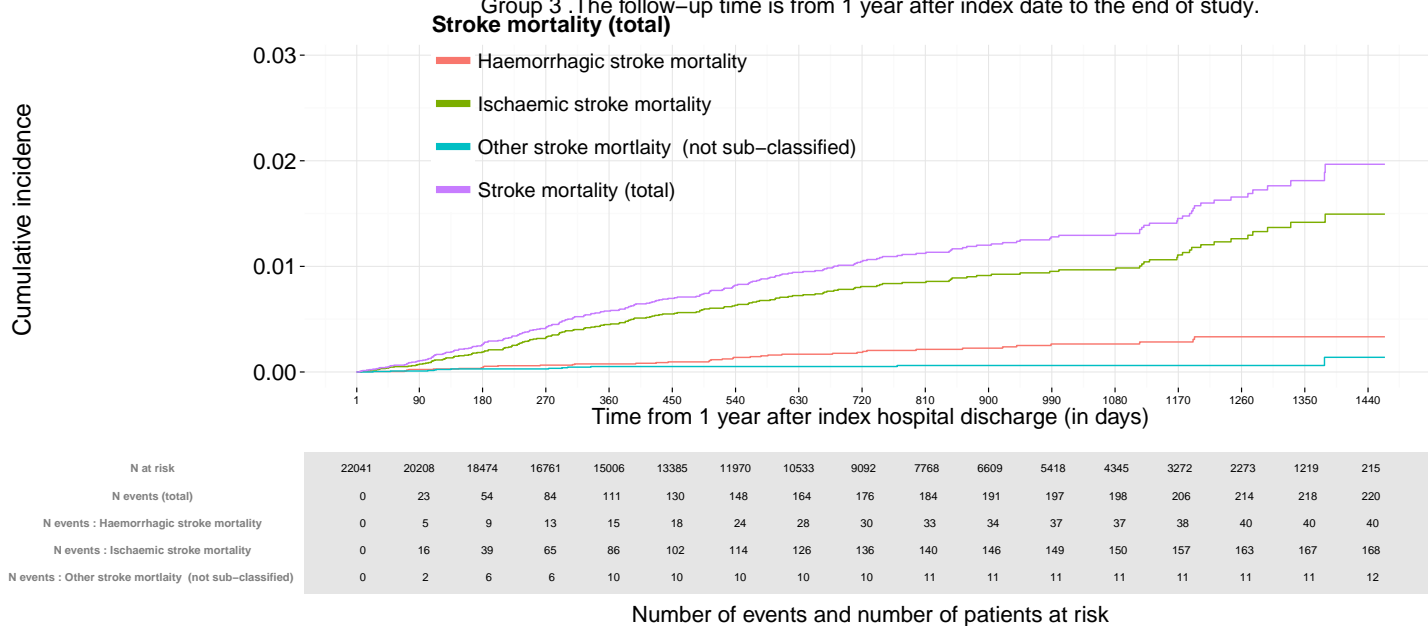
MI mortality (total)

Cumulative incidence of MI mortality (total) , subclasses STEMI mortality, NSTEMI (and unspecified MI) mortality in Group 3 .The follow-up time is from 1 year after index date to the end of study.



Stroke mortality (total)

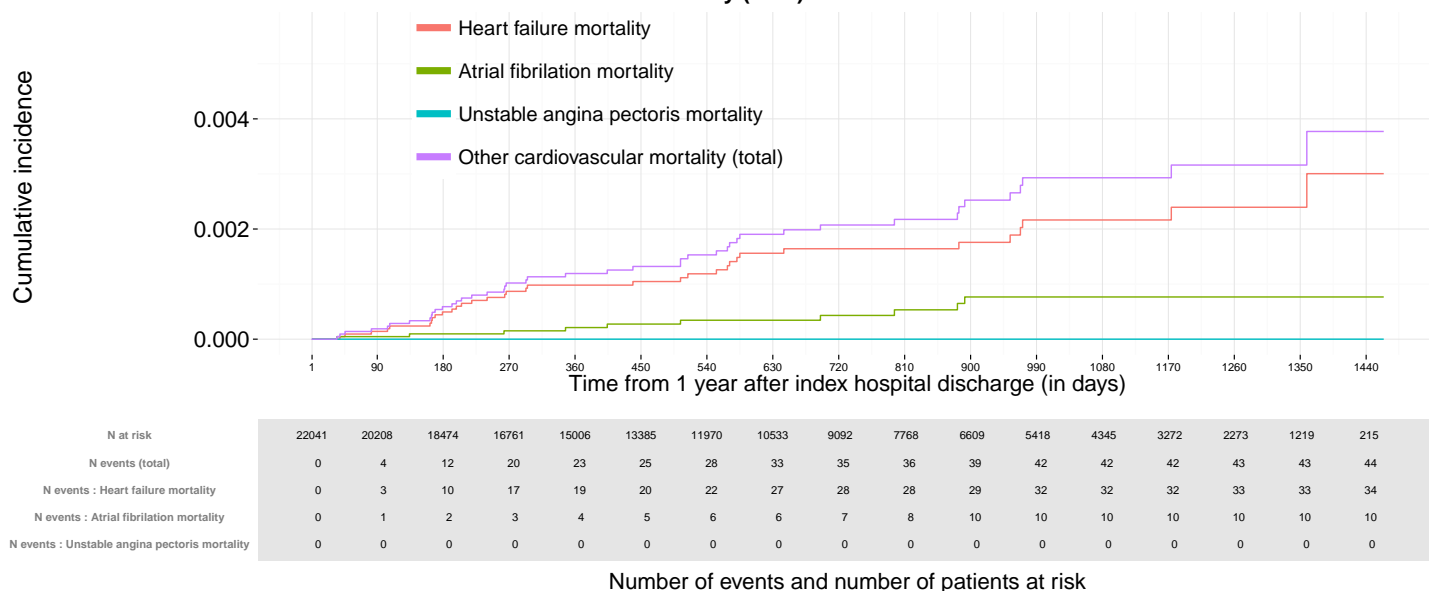
Cumulative incidence of Stroke mortality (total) , subclasses Haemorrhagic stroke mortality, Ischaemic stroke mortality, Other stroke mortality (not sub-classified) in Group 3 .The follow-up time is from 1 year after index date to the end of study.



Other cardiovascular mortality (total)

Cumulative incidence of Other cardiovascular mortality (total) , subclasses Heart failure mortality, Atrial fibrillation mortality, Unstable angina pectoris mortality in Group 3
The follow-up time is from 1 year after index date to the end of study.

Other cardiovascular mortality (total)

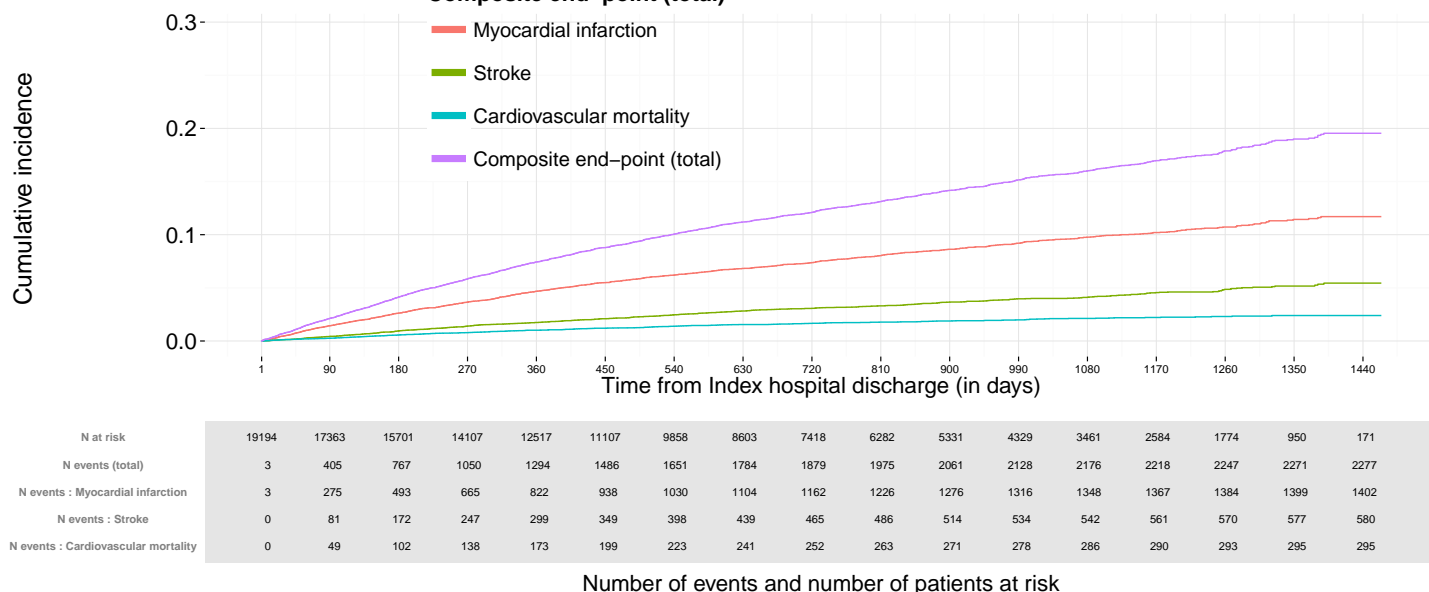


1.1.4 Cumulative incidence of exploratory outcomes for group 4

Composite end-point (total)

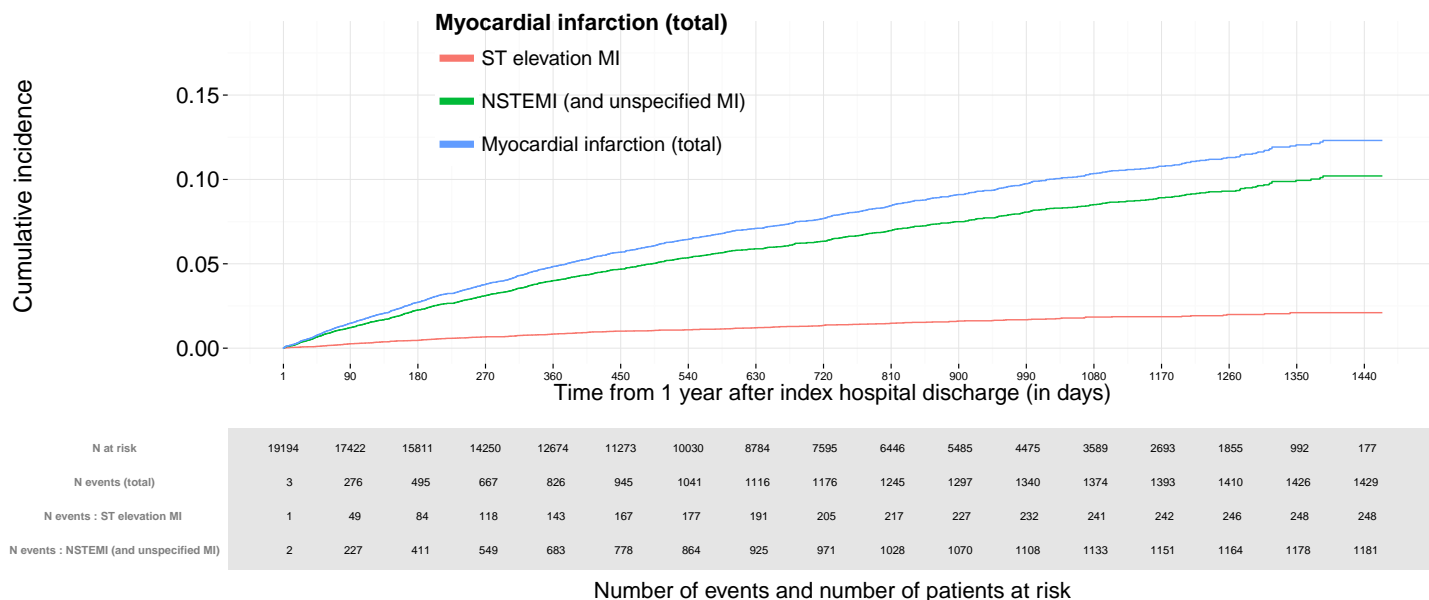
Cumulative incidence of Composite end-point (total) , subclasses Myocardial infarction, Stroke, Cardiovascular mortality in Group 4 .The follow-up time is from 1 year after index date to the end of study.

Composite end-point (total)



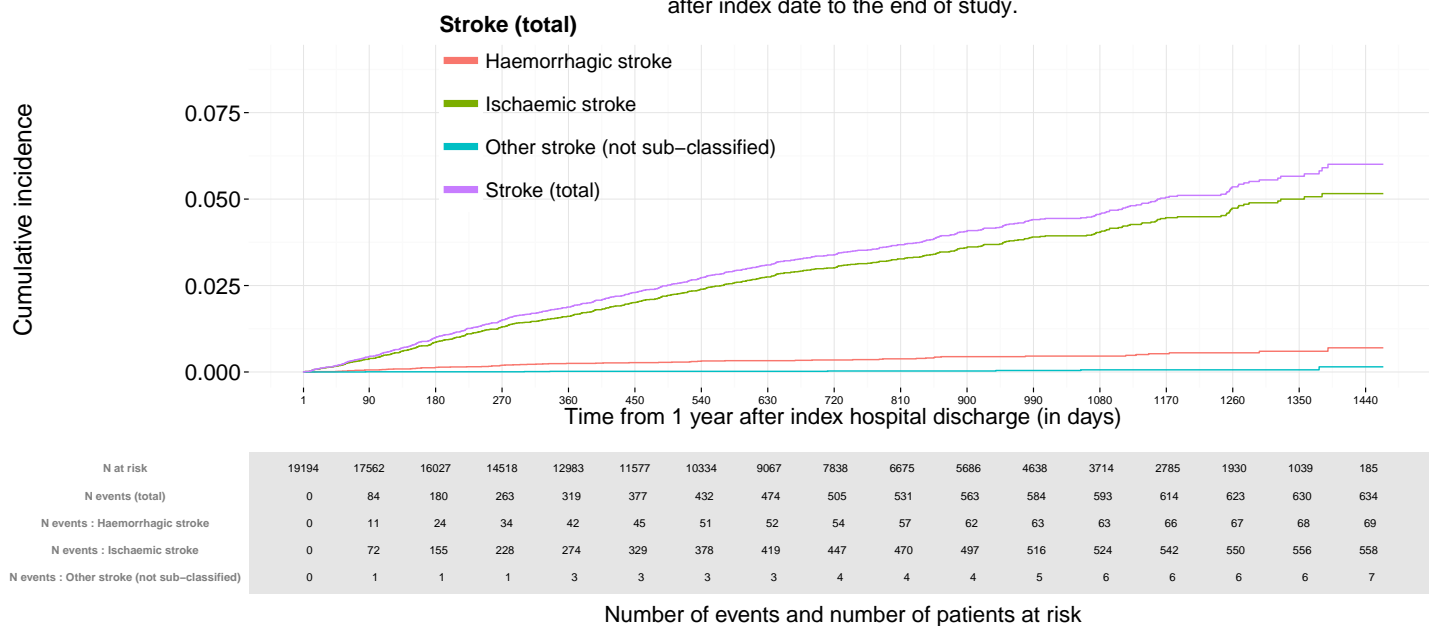
Myocardial infarction (total)

Cumulative incidence of Myocardial infarction (total) , subclasses ST elevation MI , NSTEMI (and unspecified MI) in Group 4 .The follow-up time is from 1 year after index date to the end of study.



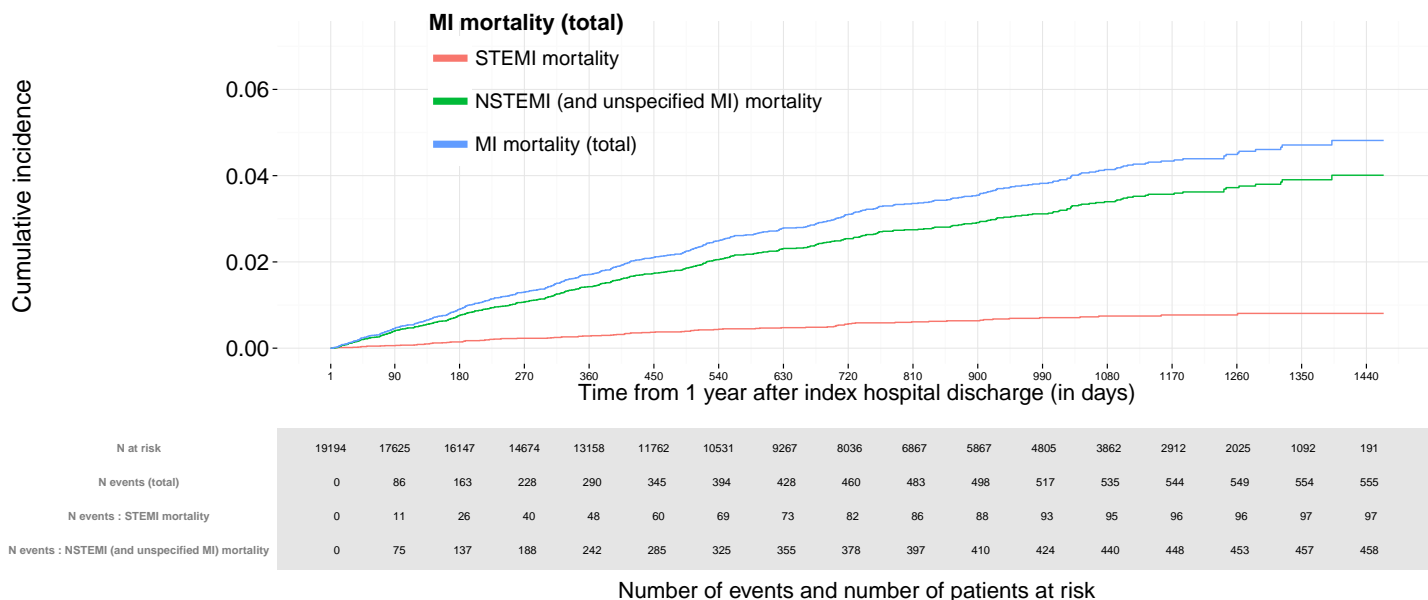
Stroke (total)

Cumulative incidence of Stroke (total) , subclasses Haemorrhagic stroke, Ischaemic stroke, Other stroke (not sub-classified) in Group 4 .The follow-up time is from 1 year after index date to the end of study.



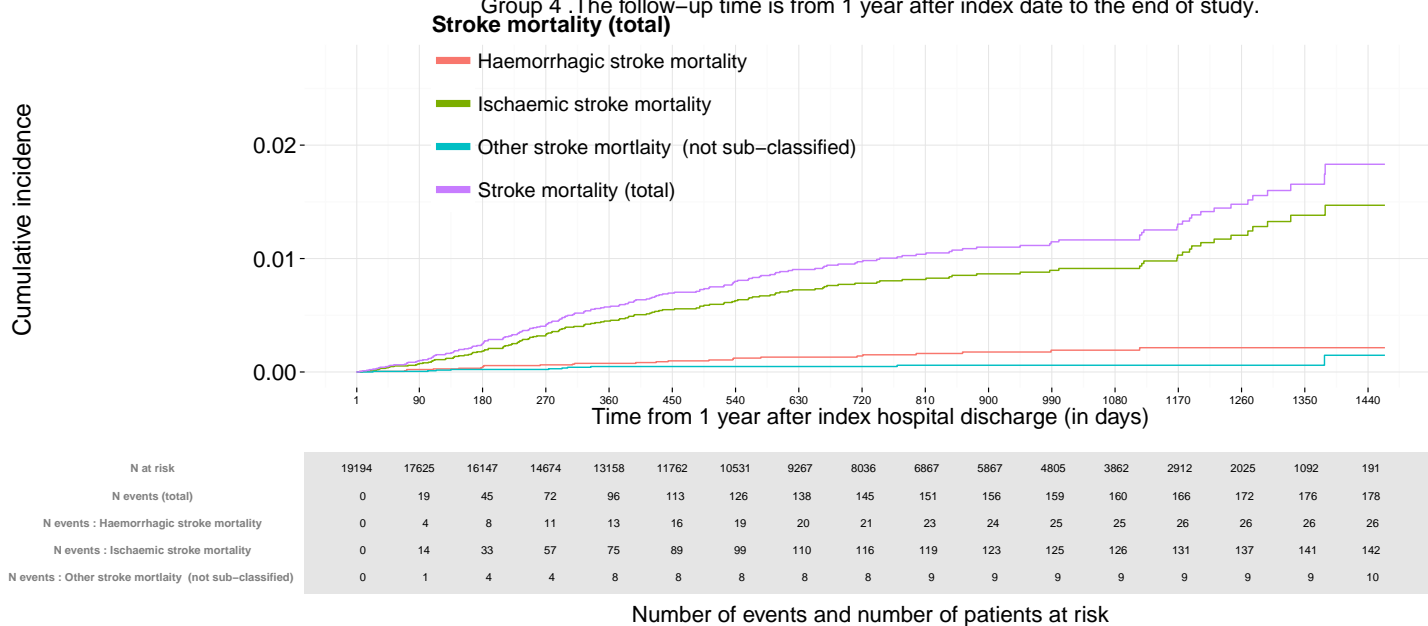
MI mortality (total)

Cumulative incidence of MI mortality (total) , subclasses STEMI mortality, NSTEMI (and unspecified MI) mortality in Group 4 .The follow-up time is from 1 year after index date to the end of study.



Stroke mortality (total)

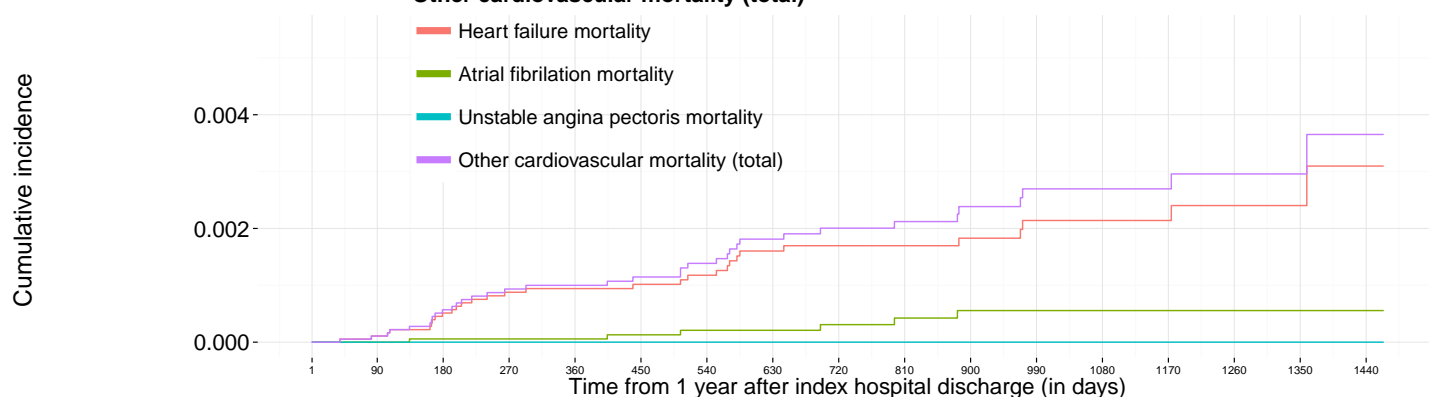
Cumulative incidence of Stroke mortality (total) , subclasses Haemorrhagic stroke mortality, Ischaemic stroke mortality, Other stroke mortality (not sub-classified) in Group 4 .The follow-up time is from 1 year after index date to the end of study.



Other cardiovascular mortality (total)

Cumulative incidence of Other cardiovascular mortality (total) , subclasses Heart failure mortality, Atrial fibrillation mortality, Unstable angina pectoris mortality in Group 4
The follow-up time is from 1 year after index date to the end of study.

Other cardiovascular mortality (total)



N at risk	19194	17625	16147	14674	13158	11762	10531	9267	8036	6867	5867	4805	3862	2912	2025	1092	191
N events (total)	0	2	10	16	17	19	22	27	29	30	32	34	34	34	35	35	36
N events : Heart failure mortality	0	2	9	15	16	17	19	24	25	25	26	28	28	28	29	29	30
N events : Atrial fibrillation mortality	0	0	1	1	1	2	3	3	4	5	6	6	6	6	6	6	6
N events : Unstable angina pectoris mortality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

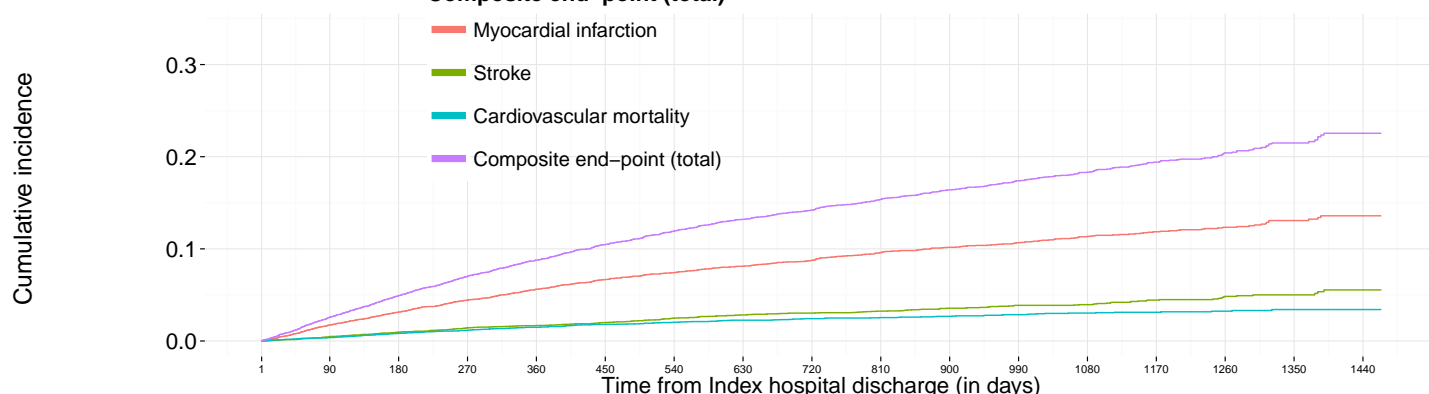
Number of events and number of patients at risk

1.1.5 Cumulative incidence of exploratory outcomes for group 5

Composite end-point (total)

Cumulative incidence of Composite end-point (total) , subclasses Myocardial infarction, Stroke, Cardiovascular mortality in Group 5 .The follow-up time is from 1 year after index date to the end of study.

Composite end-point (total)

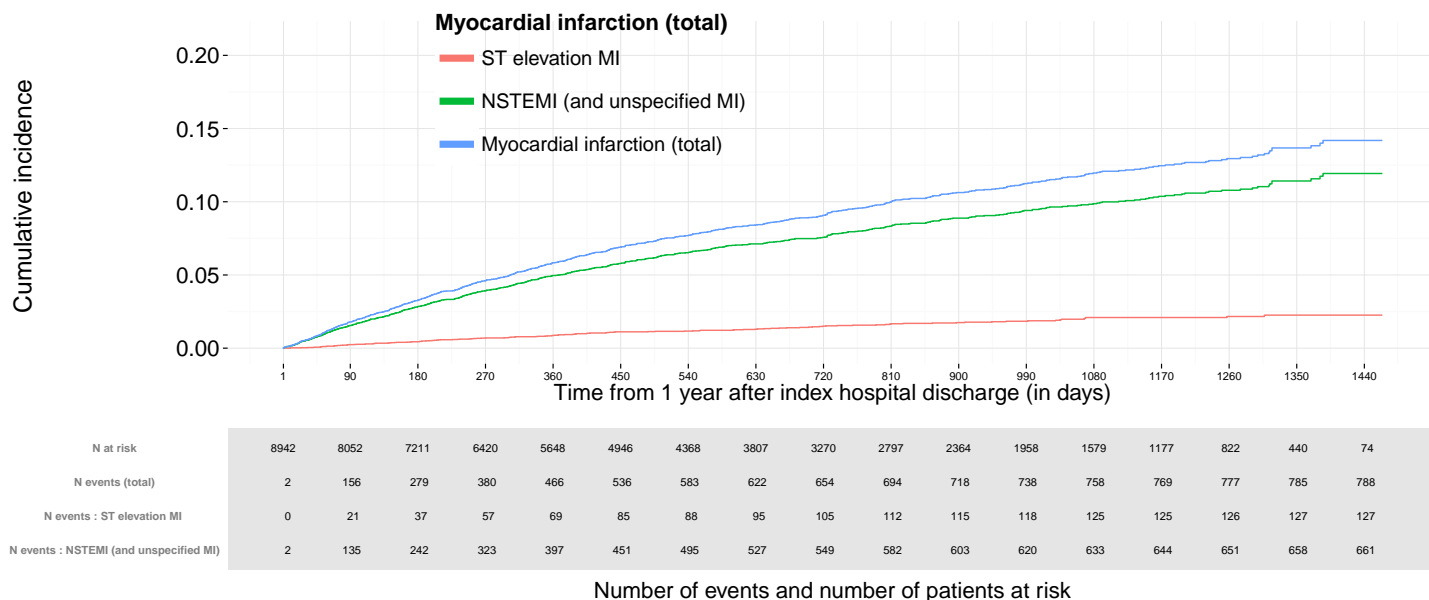


N at risk	8942	8021	7162	6357	5586	4884	4299	3733	3196	2725	2295	1890	1516	1126	784	424	71
N events (total)	2	230	430	592	719	830	920	989	1039	1092	1132	1166	1192	1216	1232	1244	1250
N events : Myocardial infarction	2	156	279	380	465	534	579	618	650	689	712	730	749	760	768	776	779
N events : Stroke	0	42	81	117	135	157	188	206	216	225	237	247	249	260	266	268	271
N events : Cardiovascular mortality	0	32	70	95	119	139	153	165	173	178	183	189	194	196	198	200	200

Number of events and number of patients at risk

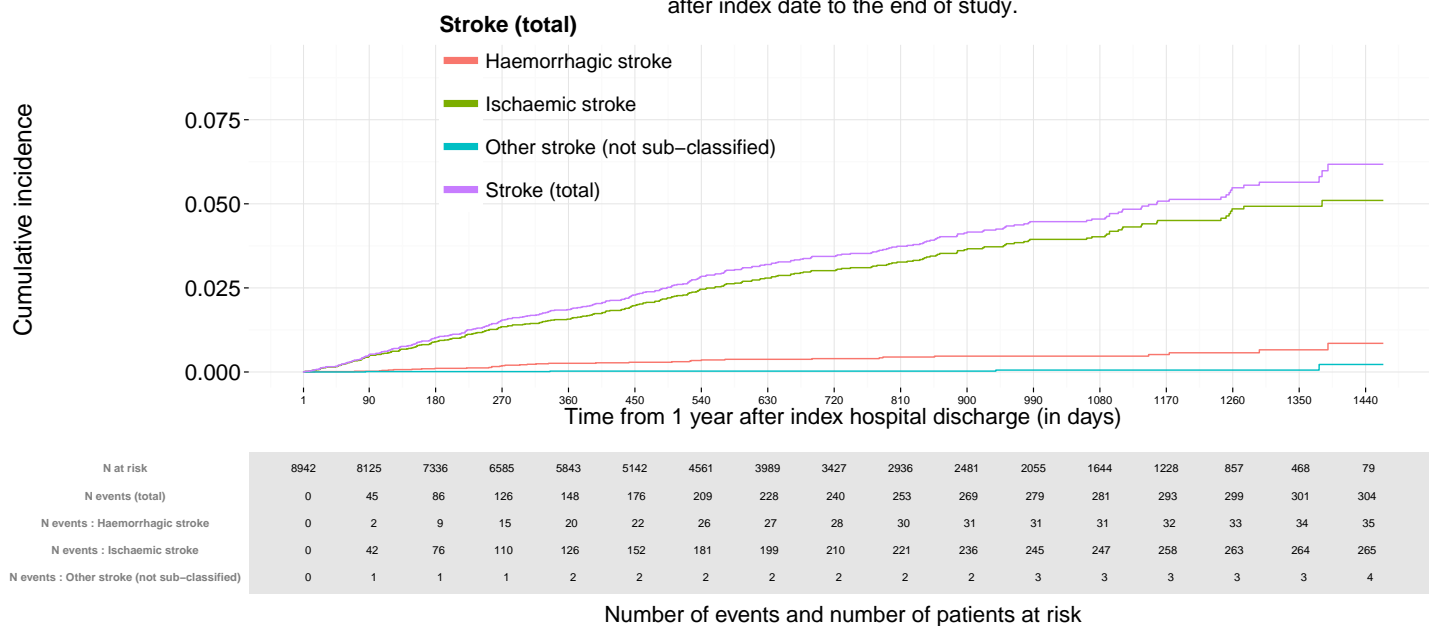
Myocardial infarction (total)

Cumulative incidence of Myocardial infarction (total) , subclasses ST elevation MI , NSTEMI (and unspecified MI) in Group 5 .The follow-up time is from 1 year after index date to the end of study.



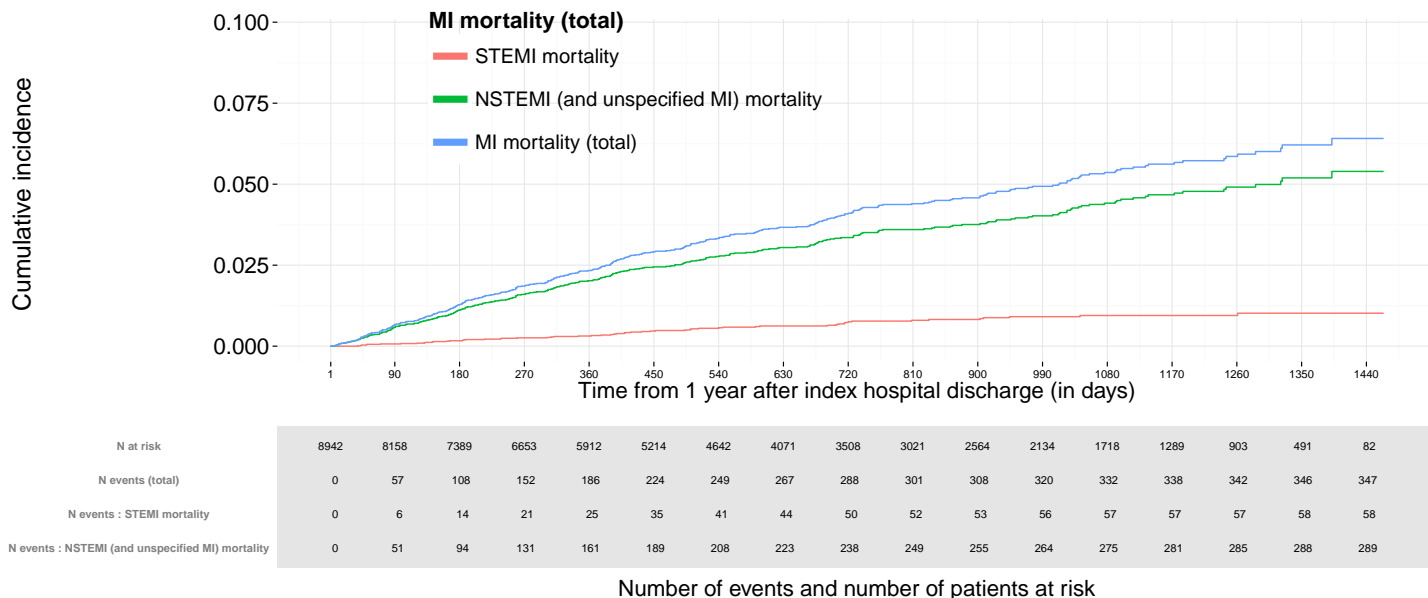
Stroke (total)

Cumulative incidence of Stroke (total) , subclasses Haemorrhagic stroke, Ischaemic stroke, Other stroke (not sub-classified) in Group 5 .The follow-up time is from 1 year after index date to the end of study.



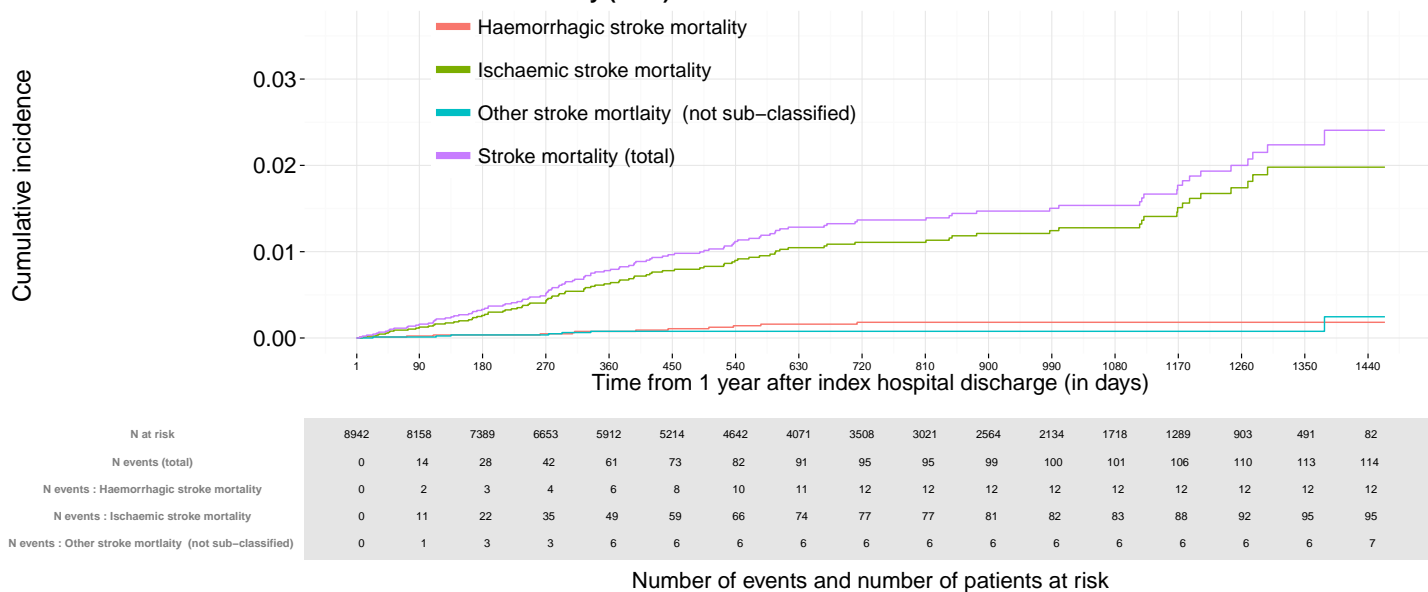
MI mortality (total)

Cumulative incidence of MI mortality (total) , subclasses STEMI mortality, NSTEMI (and unspecified MI) mortality in Group 5 .The follow-up time is from 1 year after index date to the end of study.



Stroke mortality (total)

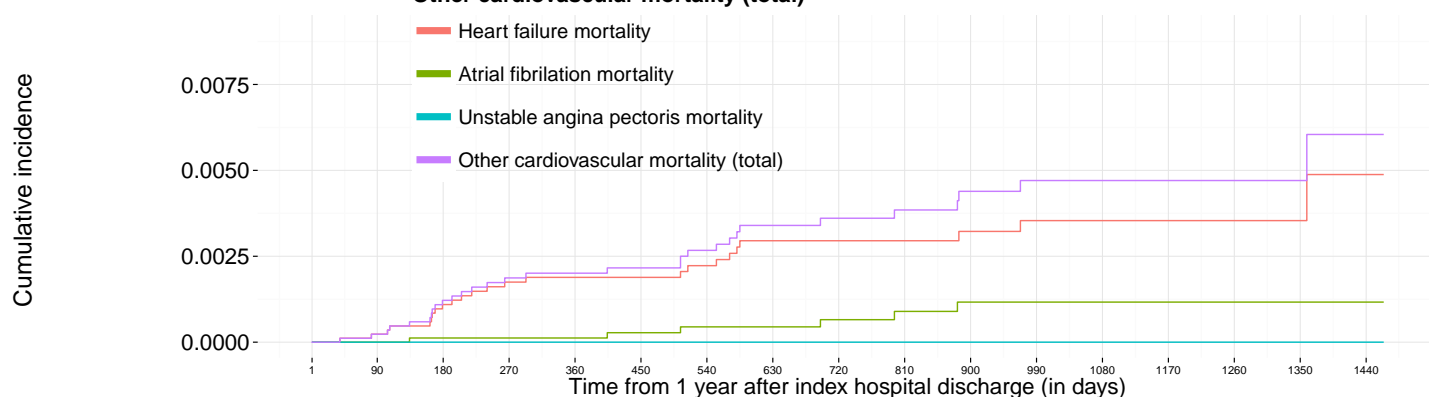
Cumulative incidence of Stroke mortality (total) , subclasses Haemorrhagic stroke mortality, Ischaemic stroke mortality, Other stroke mortality (not sub-classified) in Group 5 .The follow-up time is from 1 year after index date to the end of study.



Other cardiovascular mortality (total)

Cumulative incidence of Other cardiovascular mortality (total) , subclasses Heart failure mortality, Atrial fibrillation mortality, Unstable angina pectoris mortality in Group 5
The follow-up time is from 1 year after index date to the end of study.

Other cardiovascular mortality (total)



N at risk	8942	8158	7389	6653	5912	5214	4642	4071	3508	3021	2564	2134	1718	1289	903	491	82
N events (total)	0	2	10	15	16	17	20	24	25	26	28	29	29	29	29	29	30
N events : Heart failure mortality	0	2	9	14	15	15	17	21	21	21	22	23	23	23	23	23	24
N events : Atrial fibrillation mortality	0	0	1	1	1	2	3	3	4	5	6	6	6	6	6	6	6
N events : Unstable angina pectoris mortality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

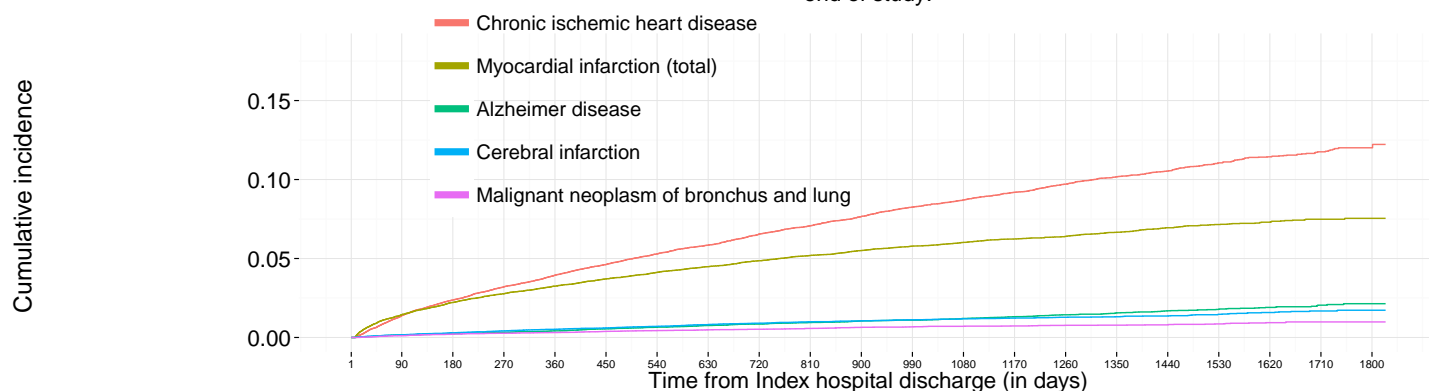
Number of events and number of patients at risk

1.1.6 Cumulative incidence of most common causes of death for group 1

10 most common causes using 3 characters

Cumulative incidence of Most common causes of death , subclasses Chronic ischemic heart disease, Myocardial infarction (total), Alzheimer disease, Cerebral infarction, Malignant neoplasm of bronchus and lung in Group 1 .The follow-up time is from index date to the end of study.

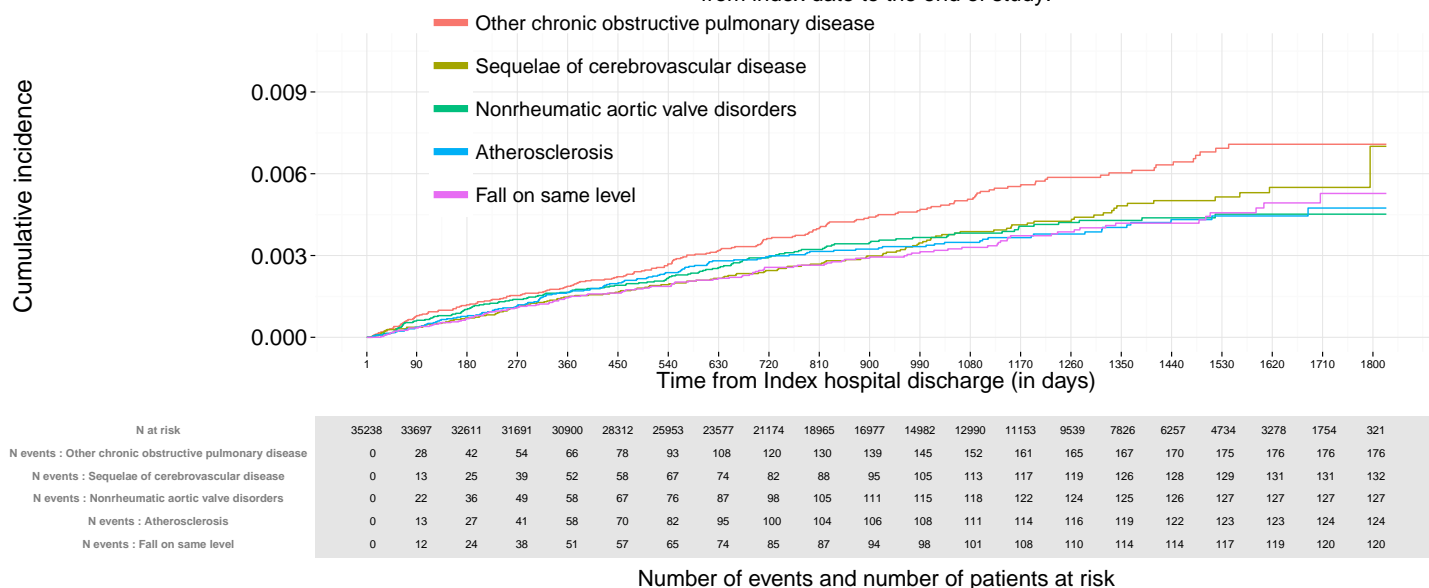
Most common causes of death



N at risk	35238	33697	32611	31691	30900	28312	25953	23577	21174	18965	16977	14982	12990	11153	9539	7826	6257	4734	3278	1754	321
N events : Chronic ischemic heart disease	0	491	836	1131	1390	1623	1837	2005	2200	2334	2471	2597	2682	2763	2838	2897	2934	2977	3001	3013	3019
N events : Myocardial infarction (total)	0	510	781	976	1146	1302	1435	1543	1647	1732	1805	1865	1909	1945	1969	2002	2031	2048	2057	2065	2066
N events : Alzheimer disease	0	56	83	116	148	191	226	257	282	307	330	341	361	379	397	412	425	433	440	445	447
N events : Cerebral infarction	0	59	105	147	183	212	244	279	302	325	339	353	365	372	380	384	389	398	405	409	410
N events : Malignant neoplasm of bronchus and lung	0	39	74	94	110	135	151	166	176	189	205	211	218	222	228	229	231	236	241	243	243

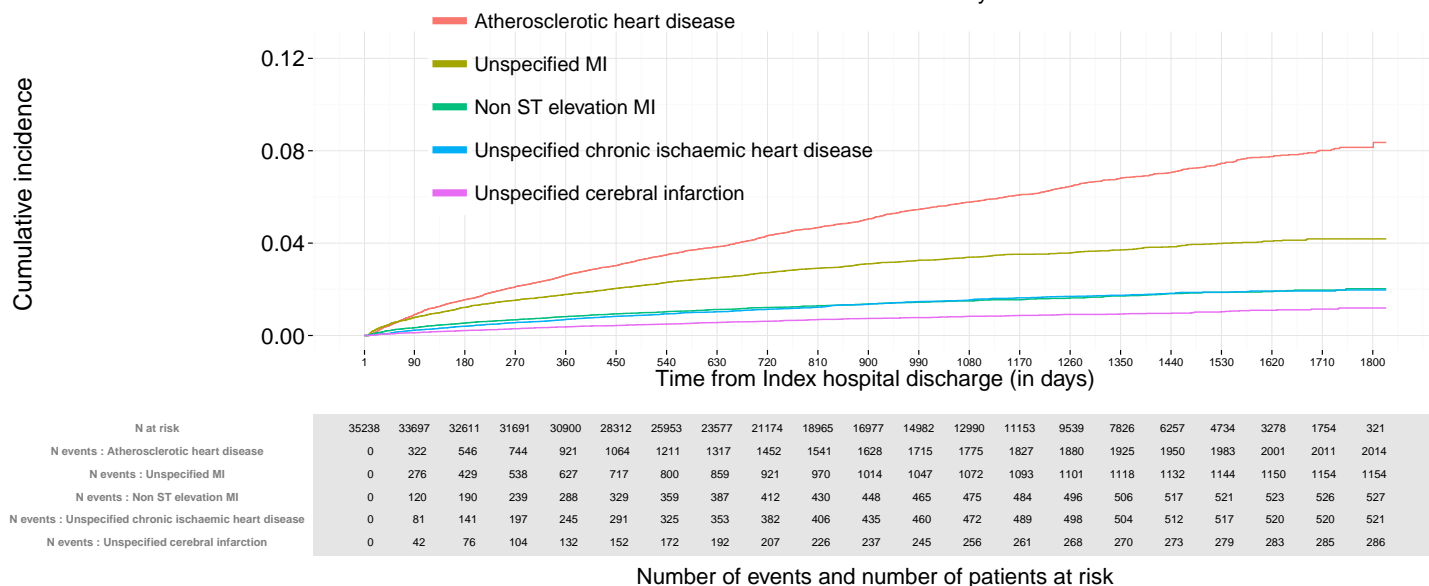
Number of events and number of patients at risk

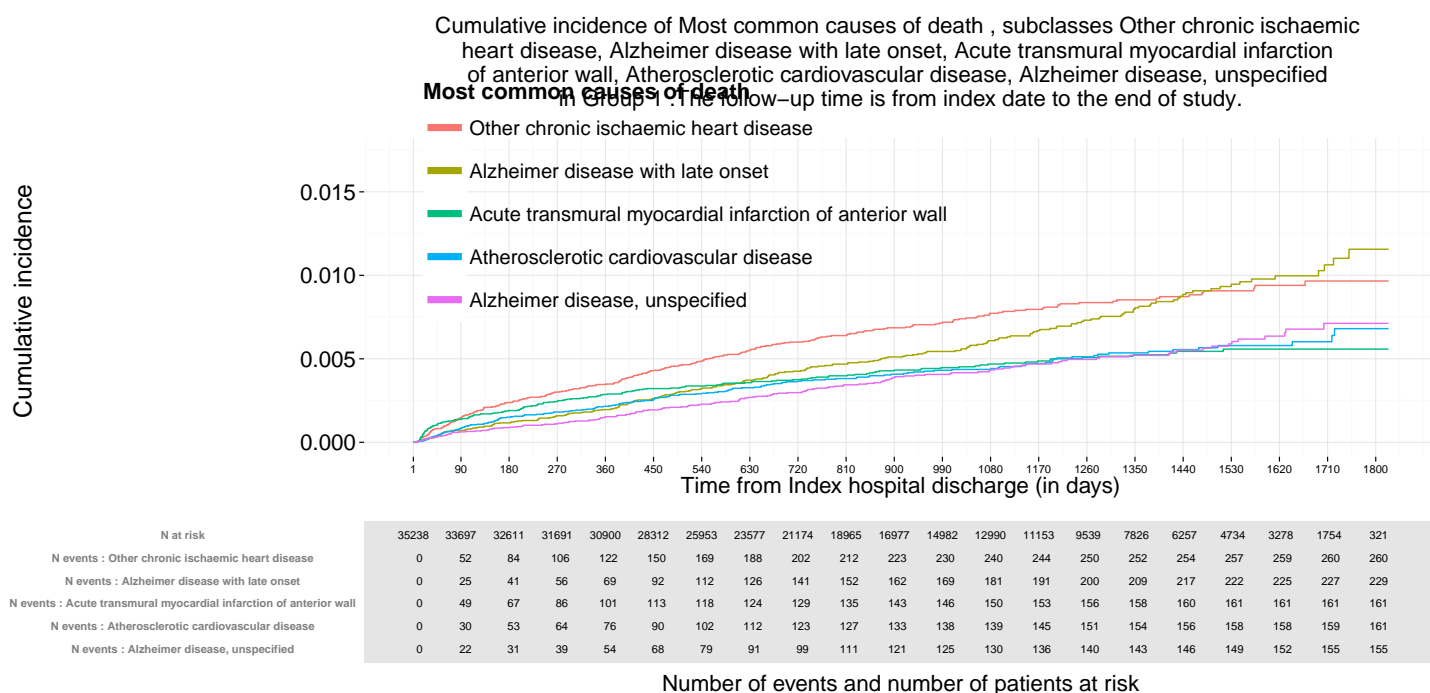
Cumulative incidence of Most common causes of death , subclasses Other chronic obstructive pulmonary disease, Sequelae of cerebrovascular disease, Nonrheumatic aortic valve disorders, Atherosclerosis, Fall on same level in Group 1 .The follow-up time is from index date to the end of study.



10 most common causes using 4 characters

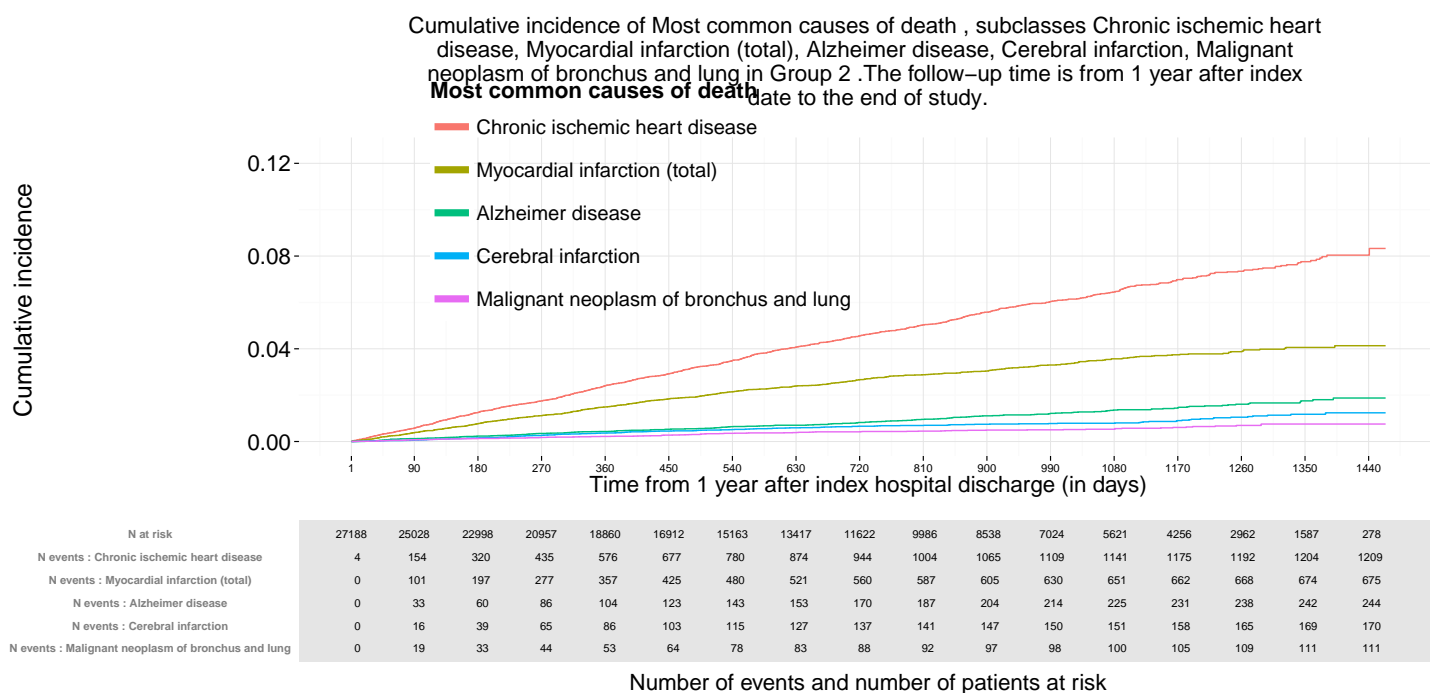
Cumulative incidence of Most common causes of death , subclasses Atherosclerotic heart disease, Unspecified MI, Non ST elevation MI, Unspecified chronic ischaemic heart disease, Unspecified cerebral infarction in Group 1 .The follow-up time is from index date to the end of study.



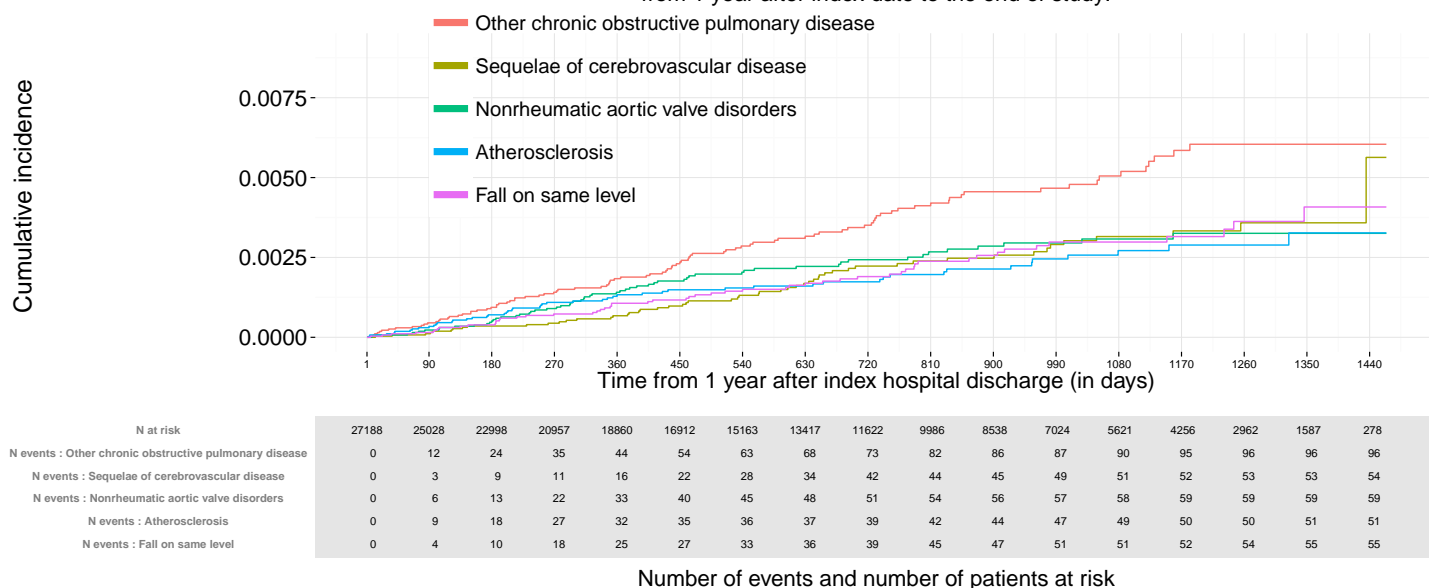


1.1.7 Cumulative incidence of most common causes of death for group 2

10 most common causes using 3 characters

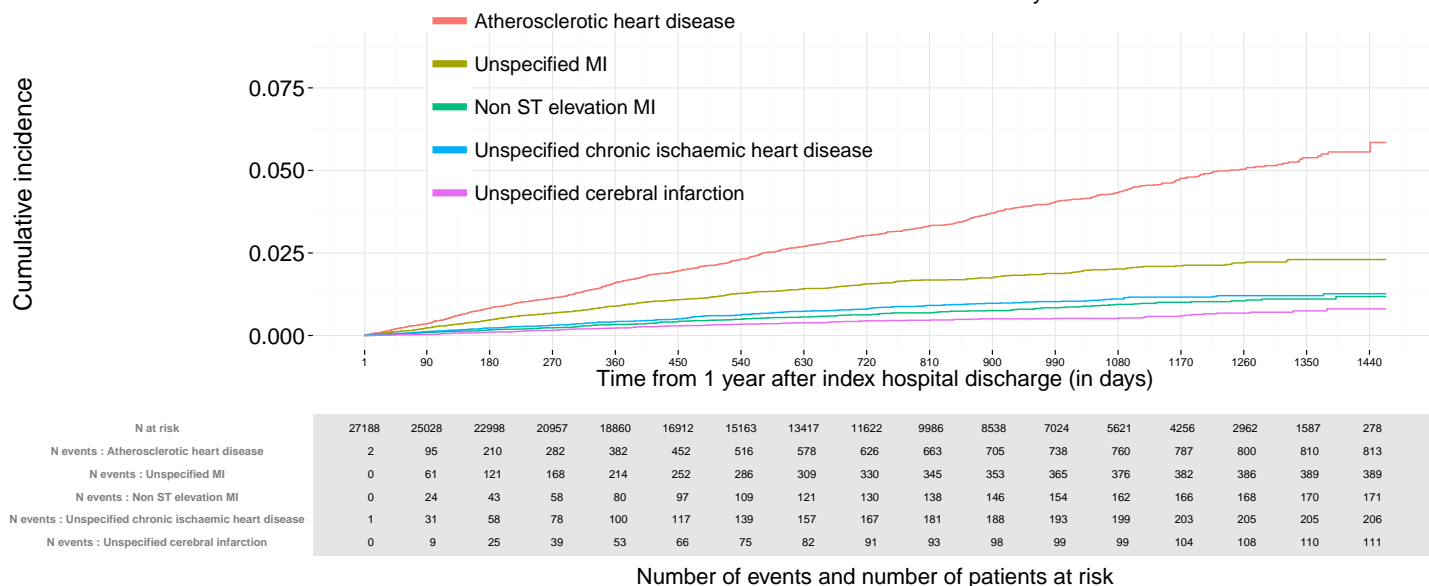


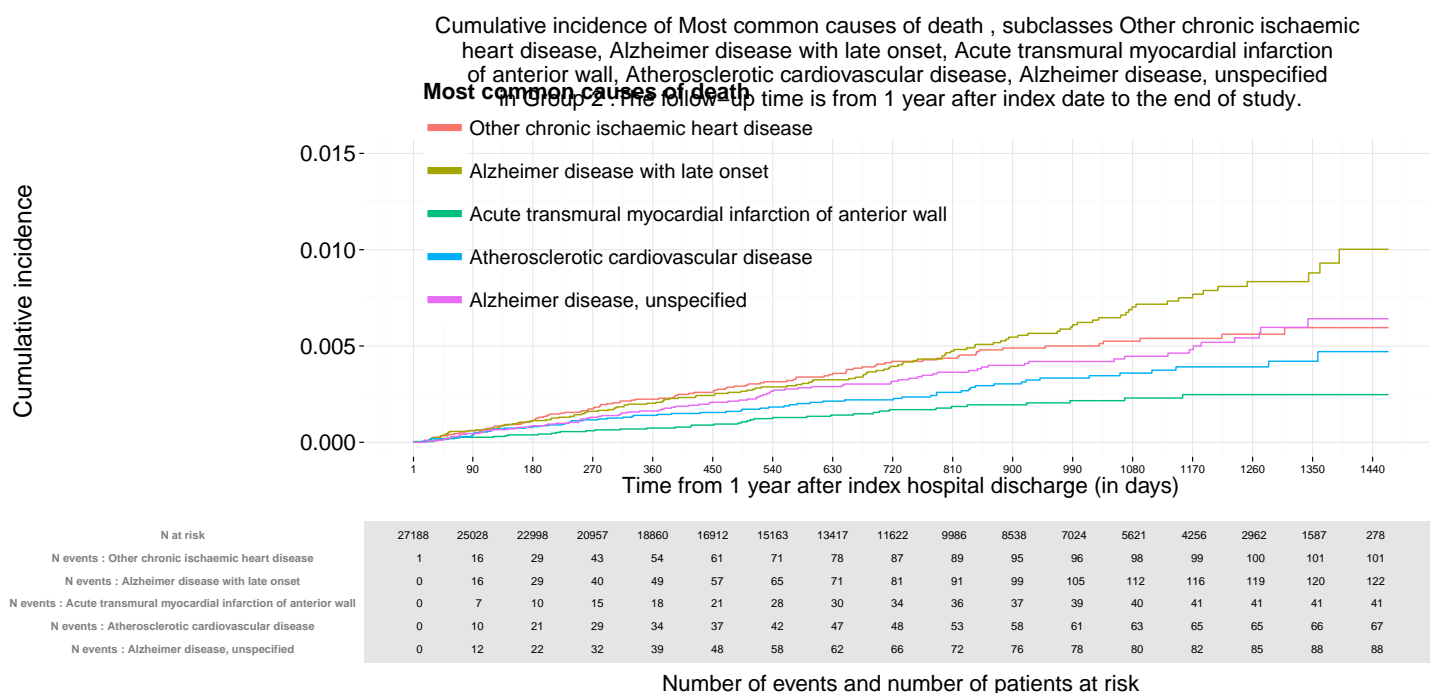
Cumulative incidence of Most common causes of death , subclasses Other chronic obstructive pulmonary disease, Sequelae of cerebrovascular disease, Nonrheumatic aortic valve disorders, Atherosclerosis, Fall on same level in Group 2 .The follow-up time is from 1 year after index date to the end of study.



10 most common causes using 4 characters

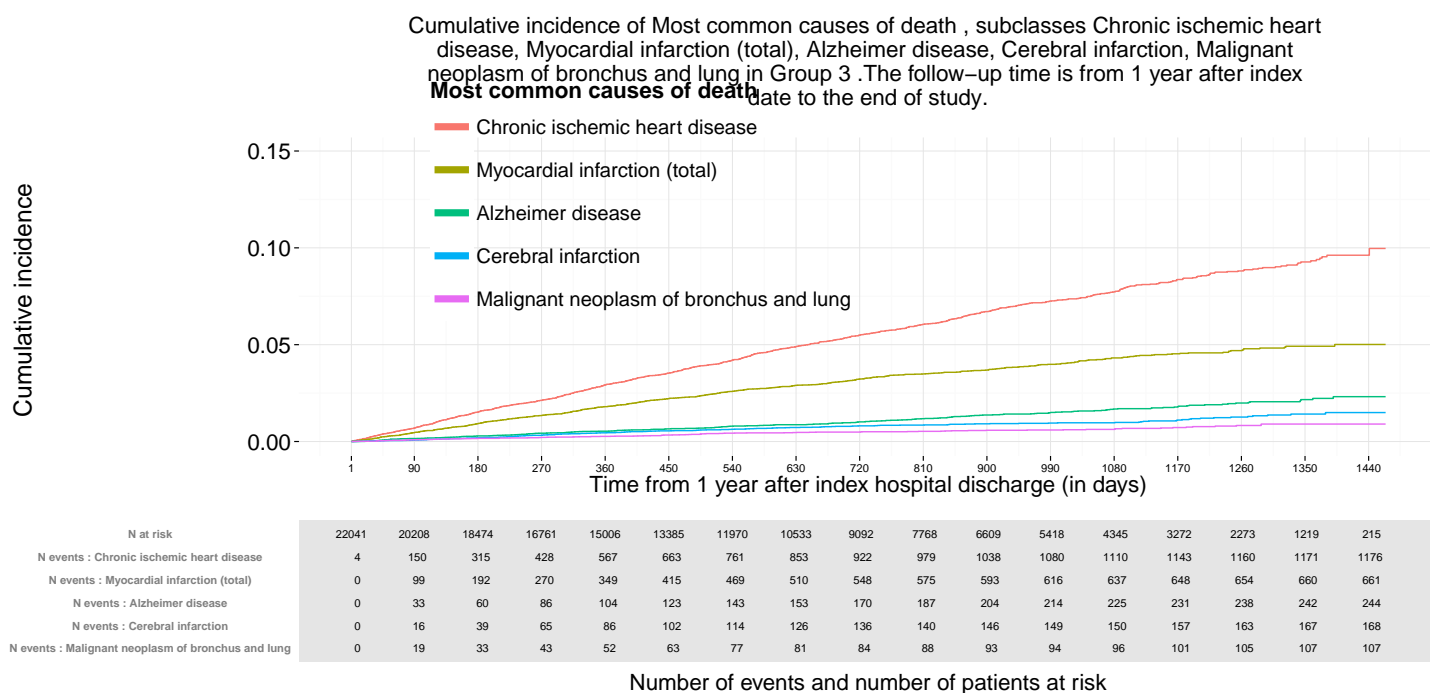
Cumulative incidence of Most common causes of death , subclasses Atherosclerotic heart disease, Unspecified MI, Non ST elevation MI, Unspecified chronic ischaemic heart disease, Unspecified cerebral infarction in Group 2 .The follow-up time is from 1 year after index date to the end of study.



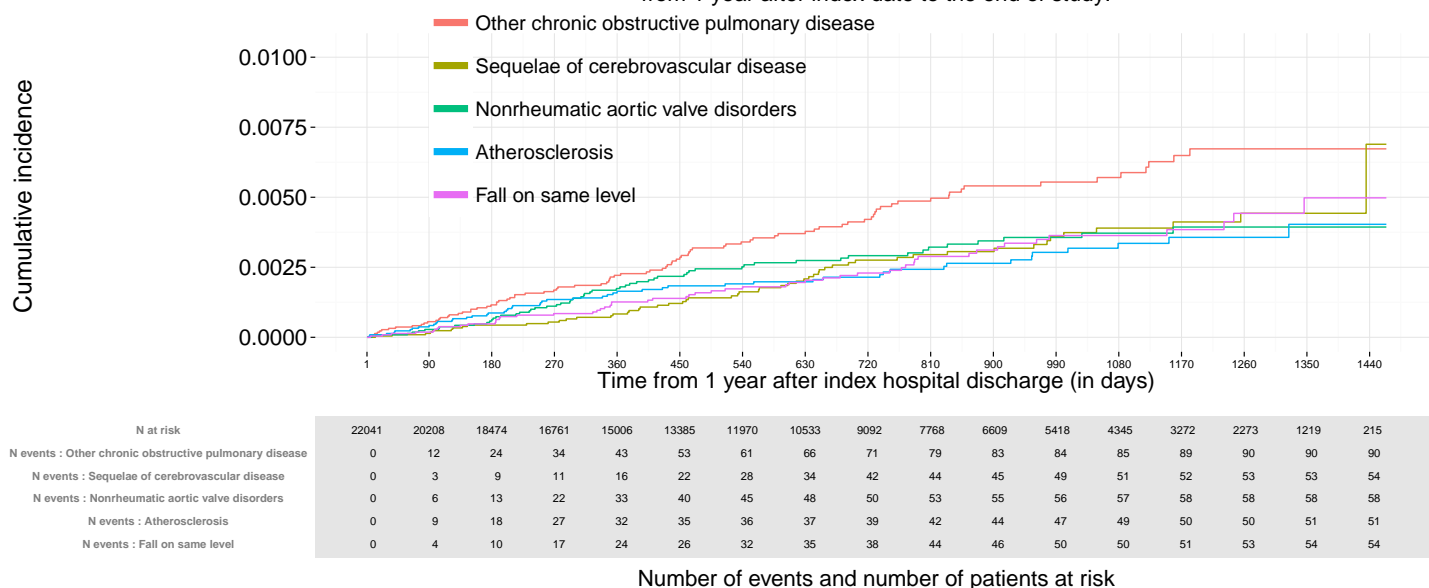


1.1.8 Cumulative incidence of most common causes of death for group 3

10 most common causes using 3 characters

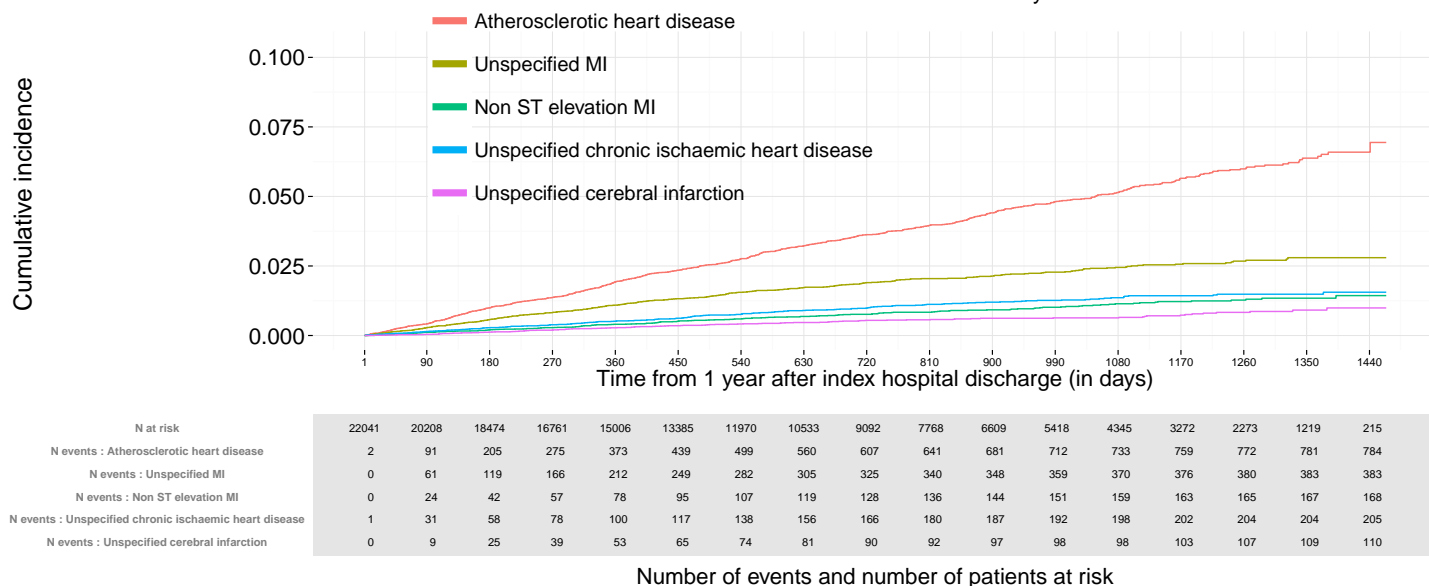


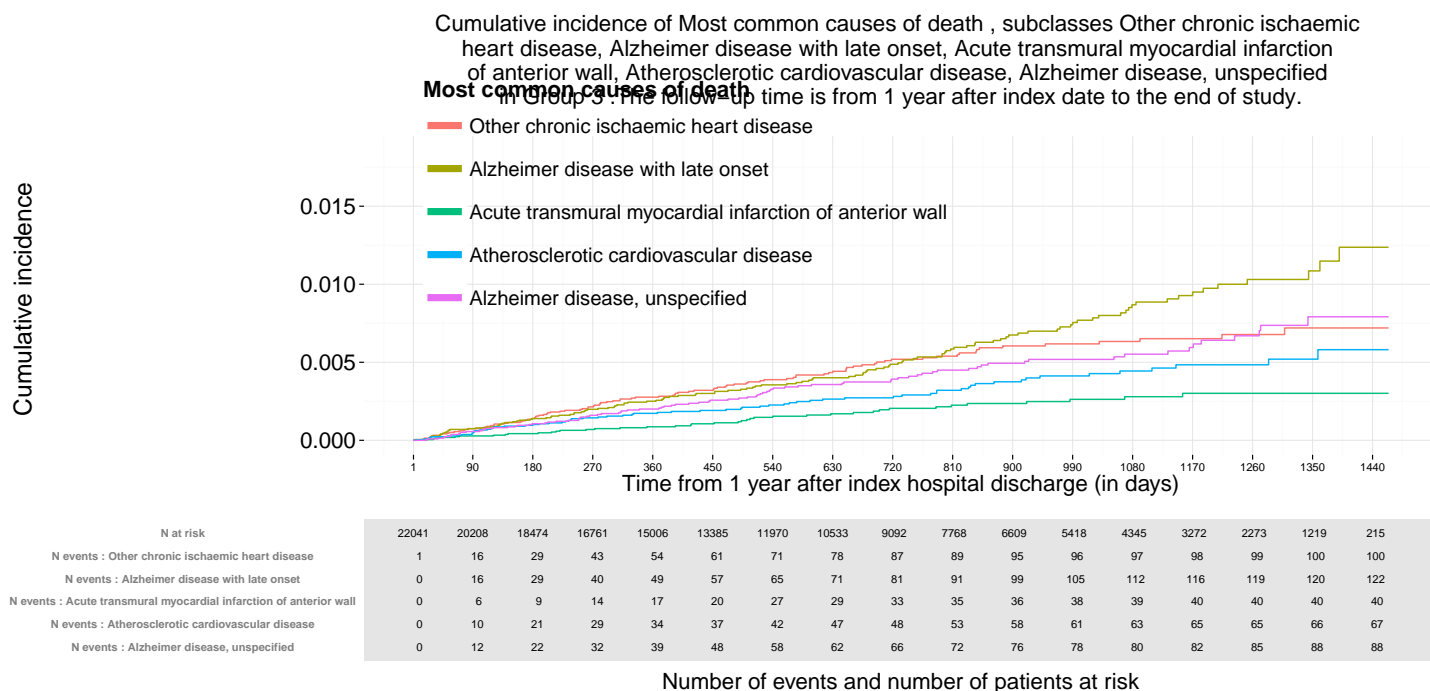
Cumulative incidence of Most common causes of death , subclasses Other chronic obstructive pulmonary disease, Sequelae of cerebrovascular disease, Nonrheumatic aortic valve disorders, Atherosclerosis, Fall on same level in Group 3 .The follow-up time is from 1 year after index date to the end of study.



10 most common causes using 4 characters

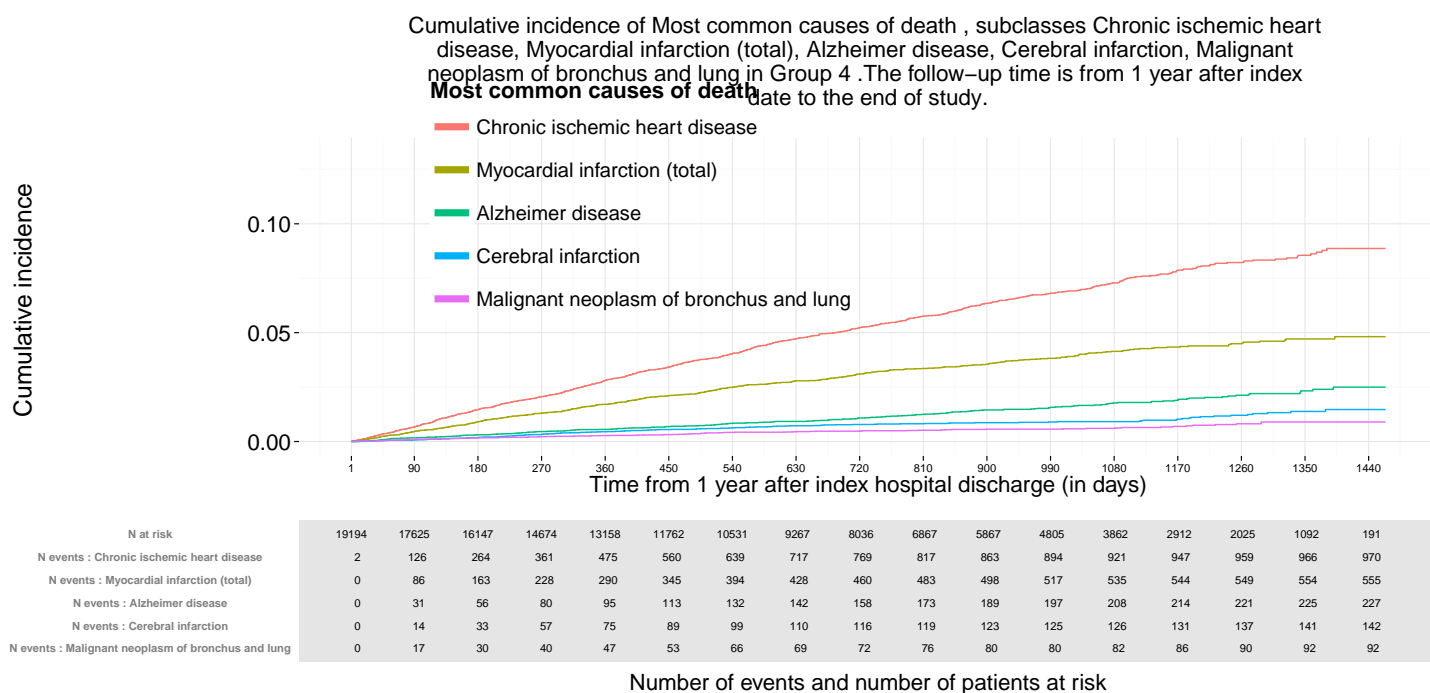
Cumulative incidence of Most common causes of death , subclasses Atherosclerotic heart disease, Unspecified MI, Non ST elevation MI, Unspecified chronic ischaemic heart disease, Unspecified cerebral infarction in Group 3 .The follow-up time is from 1 year after index date to the end of study.



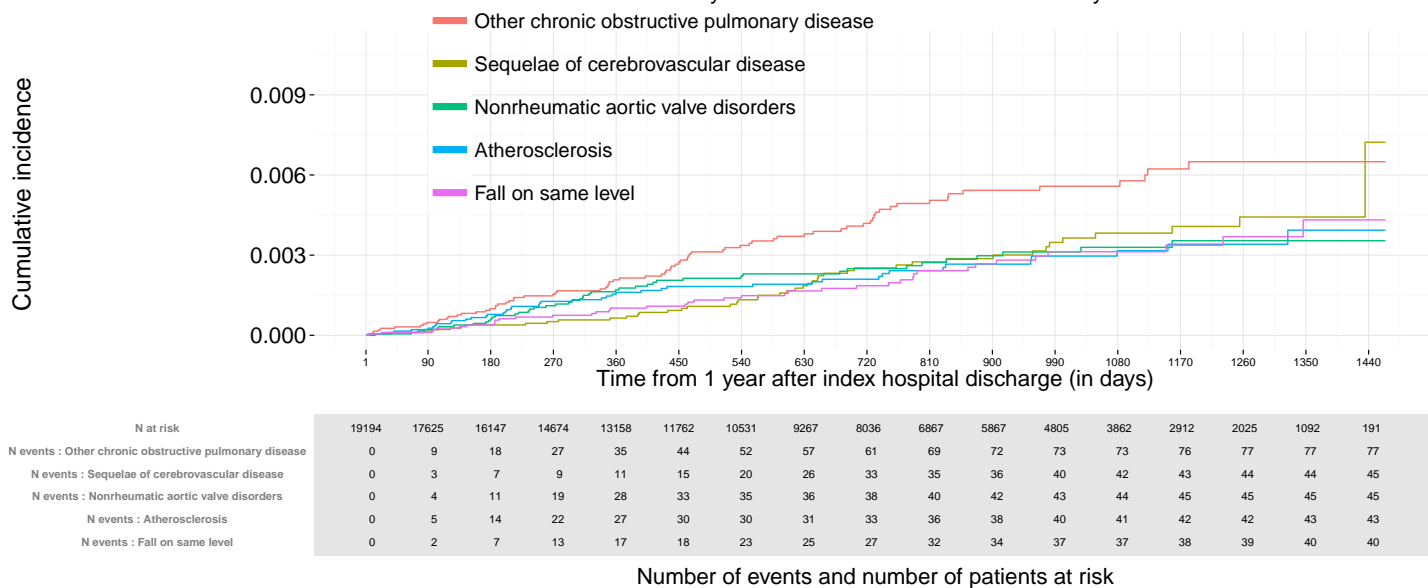


1.1.9 Cumulative incidence of most common causes of death for group 4

10 most common causes using 3 characters

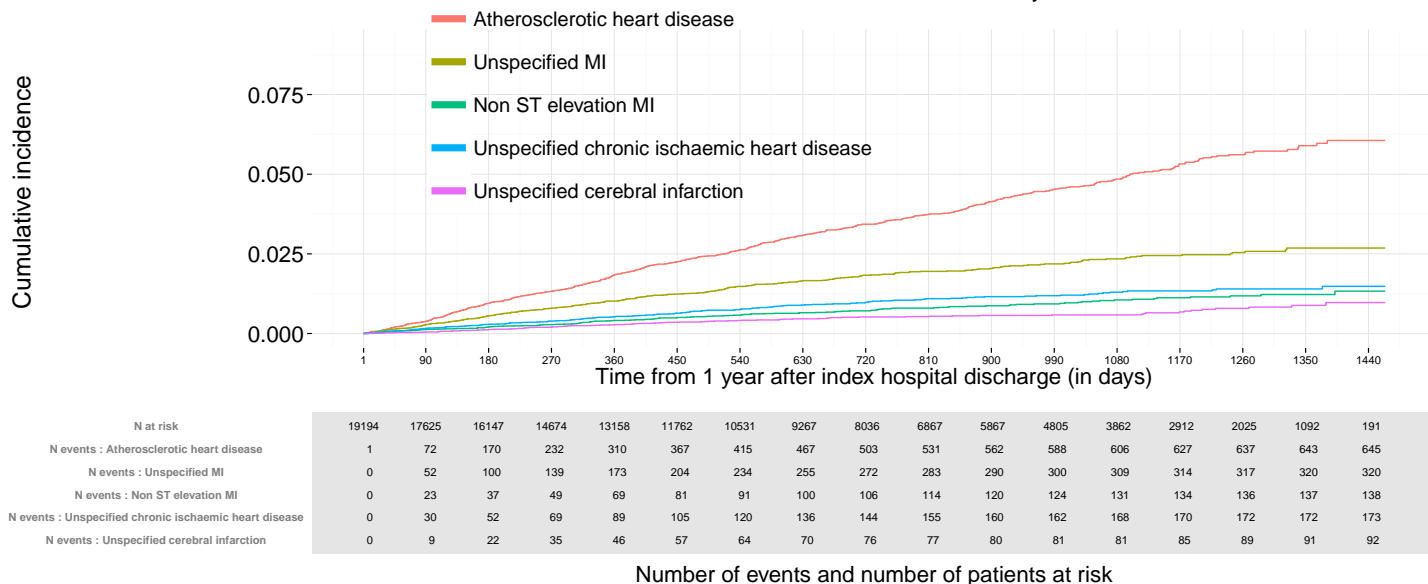


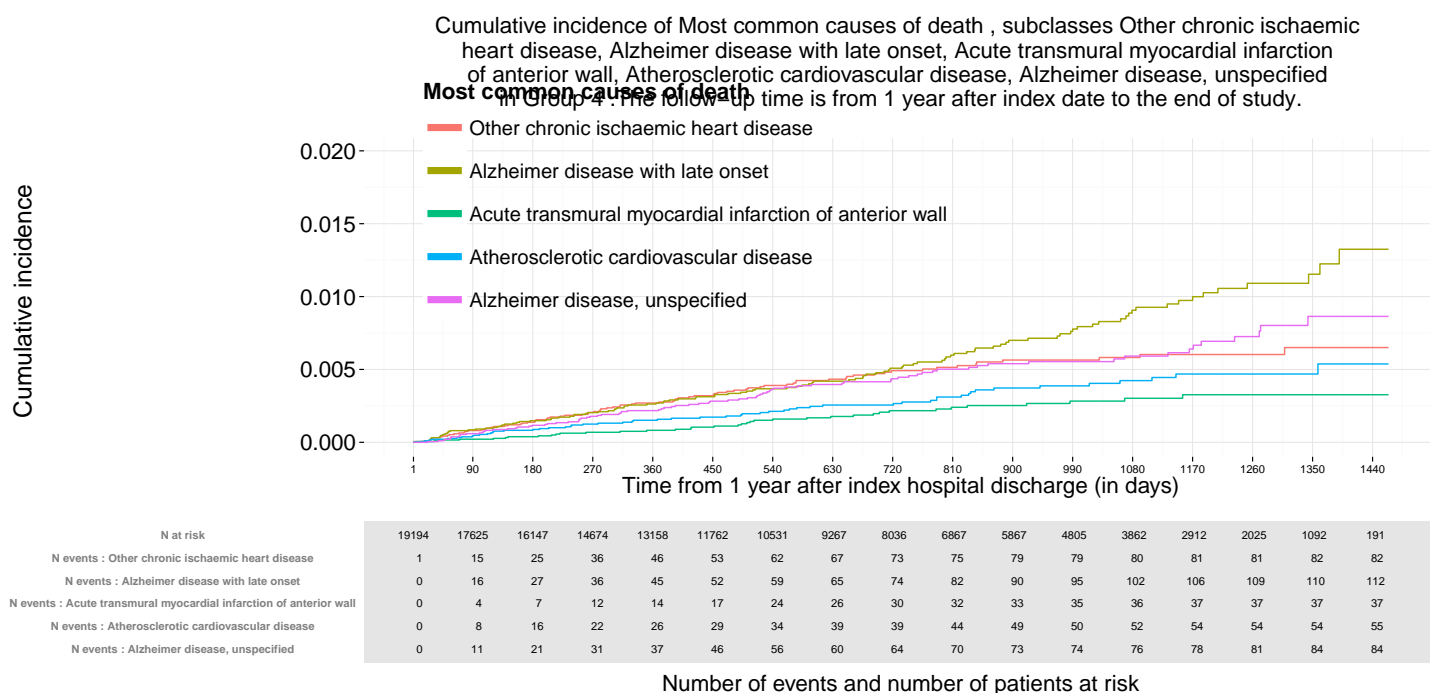
Cumulative incidence of Most common causes of death , subclasses Other chronic obstructive pulmonary disease, Sequelae of cerebrovascular disease, Nonrheumatic aortic valve disorders, Atherosclerosis, Fall on same level in Group 4 .The follow-up time is from 1 year after index date to the end of study.



10 most common causes using 4 characters

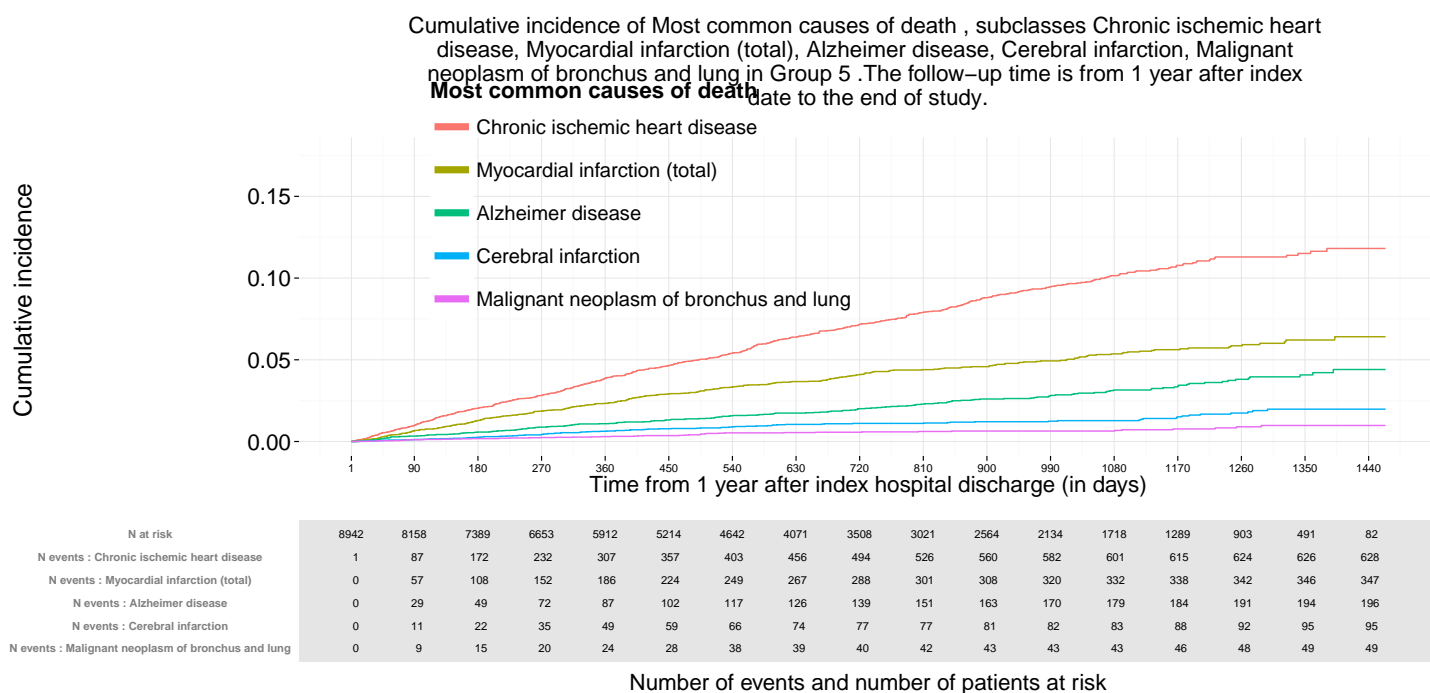
Cumulative incidence of Most common causes of death , subclasses Atherosclerotic heart disease, Unspecified MI, Non ST elevation MI, Unspecified chronic ischaemic heart disease, Unspecified cerebral infarction in Group 4 .The follow-up time is from 1 year after index date to the end of study.



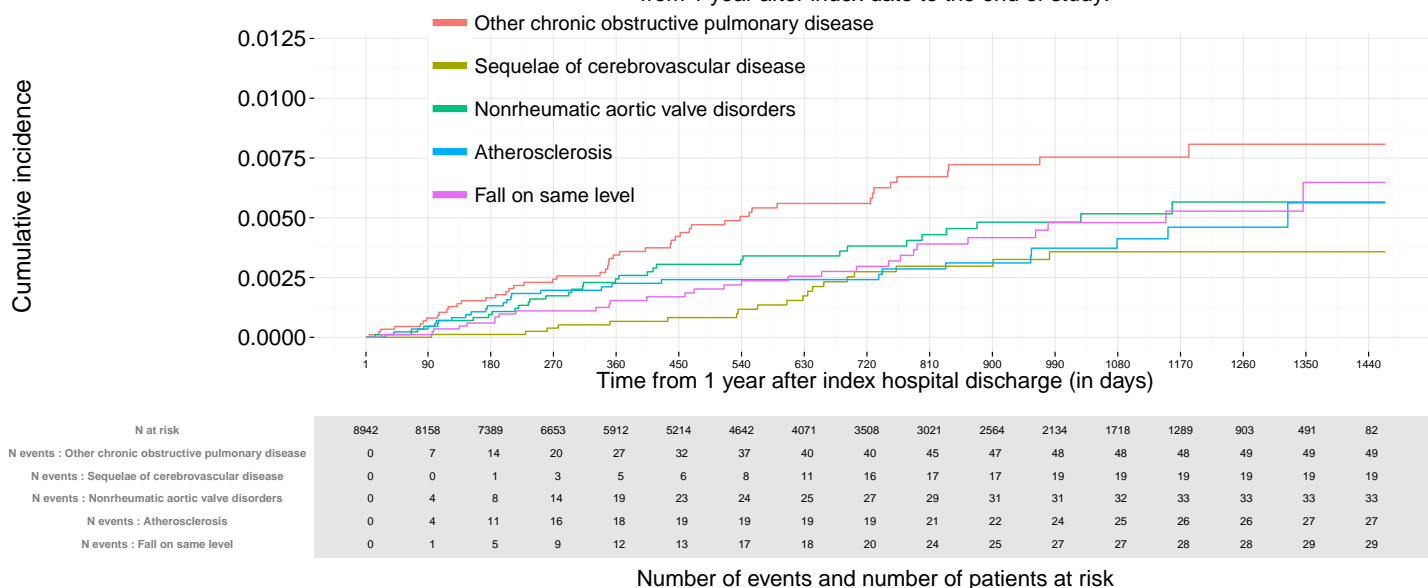


1.1.10 Cumulative incidence of most common causes of death for group 5

10 most common causes using 3 characters

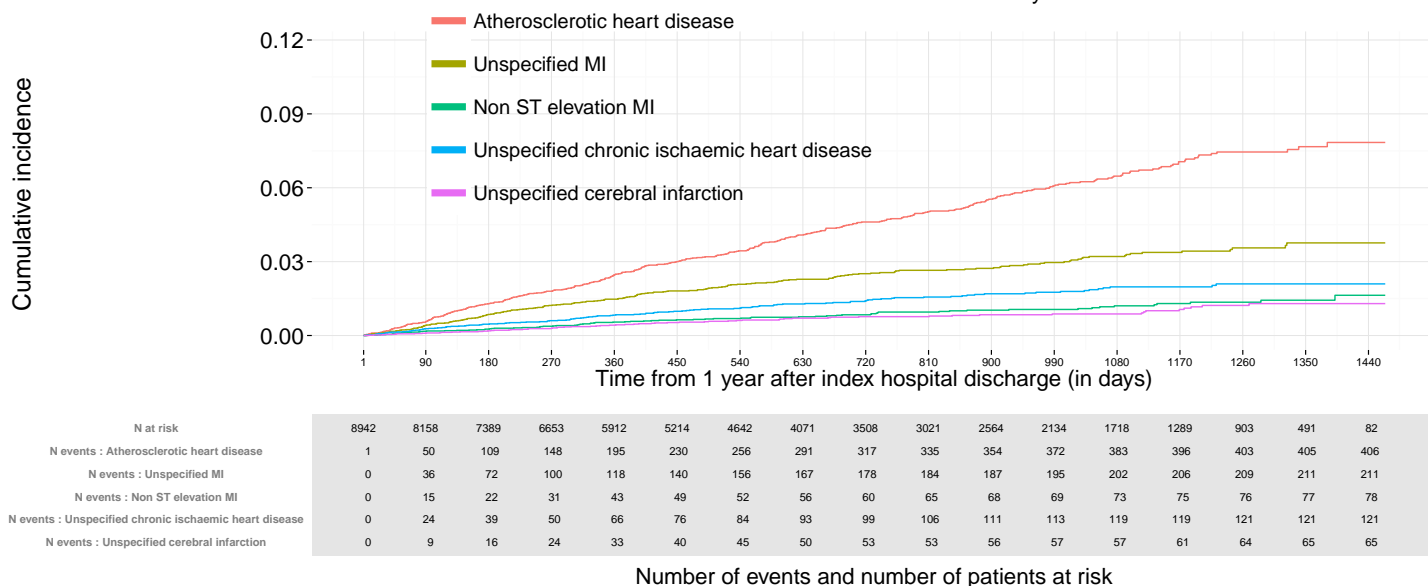


Cumulative incidence of Most common causes of death , subclasses Other chronic obstructive pulmonary disease, Sequelae of cerebrovascular disease, Nonrheumatic aortic valve disorders, Atherosclerosis, Fall on same level in Group 5 .The follow-up time is from 1 year after index date to the end of study.



10 most common causes using 4 characters

Cumulative incidence of Most common causes of death , subclasses Atherosclerotic heart disease, Unspecified MI, Non ST elevation MI, Unspecified chronic ischaemic heart disease, Unspecified cerebral infarction in Group 5 .The follow-up time is from 1 year after index date to the end of study.



Cumulative incidence of Most common causes of death , subclasses Other chronic ischaemic heart disease, Alzheimer disease with late onset, Acute transmural myocardial infarction of anterior wall, Atherosclerotic cardiovascular disease, Alzheimer disease, unspecified

Most common causes of death

Other chronic ischaemic heart disease

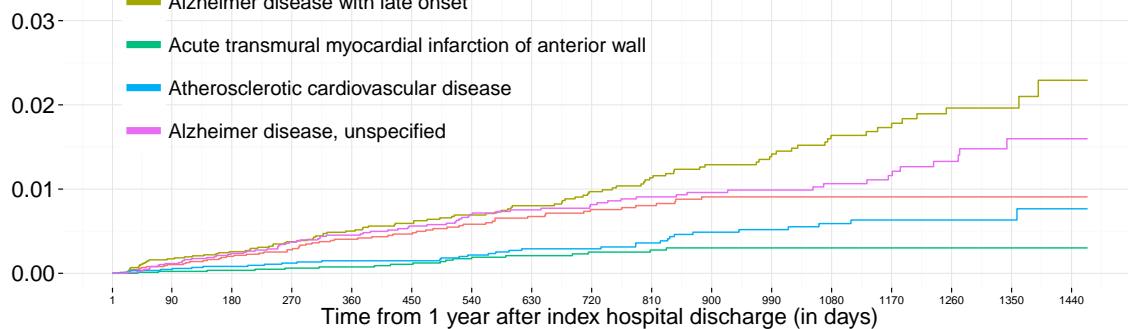
Alzheimer disease with late onset

Acute transmural myocardial infarction of anterior wall

Atherosclerotic cardiovascular disease

Alzheimer disease, unspecified

Cumulative incidence



N at risk
N events : Other chronic ischaemic heart disease
N events : Alzheimer disease with late onset
N events : Acute transmural myocardial infarction of anterior wall
N events : Atherosclerotic cardiovascular disease
N events : Alzheimer disease, unspecified

	8942	8158	7389	6653	5912	5214	4642	4071	3508	3021	2564	2134	1718	1289	903	491	82
N events : Other chronic ischaemic heart disease	0	9	17	23	32	36	43	48	52	54	58	58	58	58	58	58	58
N events : Alzheimer disease with late onset	0	15	22	31	40	46	52	58	66	73	79	83	89	92	95	95	97
N events : Acute transmural myocardial infarction of anterior wall	0	2	3	5	6	8	13	14	16	17	18	18	18	18	18	18	18
N events : Atherosclerotic cardiovascular disease	0	4	7	10	12	12	16	20	20	23	28	29	31	32	32	32	33
N events : Alzheimer disease, unspecified	0	10	20	30	36	43	51	54	57	61	63	64	66	68	71	74	74

Number of events and number of patients at risk

Chapter 2

Sensitivity analysis

2.1 Sensitivity analysis 1 : Explored risk factors - time dependant

2.1.1 Explored risk factors for group 1

Myocardial infarction

Table 2.1: The effect of pre-defined and explored risk factors on the risk of Myocardial infarction estimated using the Cox proportional hazards model in Group 1 . Table shows the hazard ratios (HRs) for several factors with the corresponding 95% CI and p-value. Only those explored risk factors that indicated 20% effect on the hazard of the outcome with $p \leq 0.15$ are presented. Drug use and comorbidities variables are time dependant.

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Age at index (years) : 18-49	reference	reference	reference	reference	reference	reference
Age at index (years) : 50-64	0.067	0.079	1.069	0.916	1.249	0.399
Age at index (years) : 65-69	0.35	0.084	1.42	1.203	1.675	<0.001
Age at index (years) : 70-74	0.42	0.082	1.522	1.296	1.788	<0.001
Age at index (years) : 75-79	0.727	0.079	2.069	1.772	2.417	<0.001
Age at index (years) : 80-84	1.013	0.078	2.755	2.365	3.209	<0.001
Age at index (years) : 85 and over	1.312	0.077	3.713	3.193	4.319	<0.001
Sex : Male	reference	reference	reference	reference	reference	reference
Sex : Female	-0.055	0.027	0.947	0.898	0.998	0.041
Diabetes with ongoing medication : No	reference	reference	reference	reference	reference	reference
Diabetes with ongoing medication : Yes	0.367	0.028	1.443	1.366	1.525	<0.001
≥ 1 MI in addition to index MI : No	reference	reference	reference	reference	reference	reference
≥ 1 MI in addition to index MI : Yes	0.595	0.038	1.813	1.682	1.955	<0.001
Multivessel CAD : No	reference	reference	reference	reference	reference	reference
Multivessel CAD : Yes	0.14	0.028	1.15	1.089	1.214	<0.001
Chronic renal dysfunction : No	reference	reference	reference	reference	reference	reference
Chronic renal dysfunction : Yes	0.656	0.057	1.928	1.725	2.155	<0.001
Ischaemic stroke : No	reference	reference	reference	reference	reference	reference
Ischaemic stroke : Yes	0.162	0.043	1.175	1.079	1.28	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Type of index MI : Non-ST elevation MI (and unspecified MI)	reference	reference	reference	reference	reference	reference

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Type of index MI : ST elevation MI	-0.234	0.03	0.792	0.747	0.839	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
PCI or CABG related to index event : No	reference	reference	reference	reference	reference	reference
PCI or CABG related to index event : Yes	-0.511	0.031	0.6	0.564	0.637	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Invasive procedure related to index event : No invasive procedure	reference	reference	reference	reference	reference	reference
Invasive procedure related to index event : Coronary angiography only	-0.259	0.041	0.772	0.712	0.837	<0.001
Invasive procedure related to index event : PCI	-0.512	0.034	0.599	0.561	0.641	<0.001
Invasive procedure related to index event : CABG	-1.146	0.083	0.318	0.27	0.374	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Heart failure : No	reference	reference	reference	reference	reference	reference
Heart failure : Yes	0.414	0.028	1.514	1.432	1.599	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Unstable angina pectoris : No	reference	reference	reference	reference	reference	reference
Unstable angina pectoris : Yes	0.19	0.038	1.209	1.121	1.303	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Transient ischemic attack : No	reference	reference	reference	reference	reference	reference
Transient ischemic attack : Yes	0.198	0.058	1.219	1.089	1.366	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Major bleedings : No	reference	reference	reference	reference	reference	reference
Major bleedings : Yes	0.24	0.043	1.271	1.168	1.383	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Diabetes mellitus : No	reference	reference	reference	reference	reference	reference
Diabetes mellitus : Yes	0.339	0.049	1.403	1.275	1.545	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Severe liver disease : No	reference	reference	reference	reference	reference	reference
Severe liver disease : Yes	0.283	0.19	1.327	0.915	1.924	0.136

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Severe renal failure requiring dialysis : No	reference	reference	reference	reference	reference	reference
Severe renal failure requiring dialysis : Yes	0.544	0.159	1.723	1.261	2.355	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
COPD : No	reference	reference	reference	reference	reference	reference
COPD : Yes	0.225	0.058	1.253	1.118	1.403	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Cancer : No	reference	reference	reference	reference	reference	reference
Cancer : Yes	0.21	0.042	1.234	1.136	1.34	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Nitrate : No	reference	reference	reference	reference	reference	reference
Nitrate : Yes	0.601	0.028	1.823	1.726	1.926	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
LMWH : No	reference	reference	reference	reference	reference	reference
LMWH : Yes	0.409	0.104	1.505	1.228	1.844	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Proton pump inhibitor : No	reference	reference	reference	reference	reference	reference
Proton pump inhibitor : Yes	0.228	0.027	1.256	1.192	1.324	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
NSAID : No	reference	reference	reference	reference	reference	reference
NSAID : Yes	0.221	0.056	1.247	1.117	1.393	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Gastrointestinal bleeding : No	reference	reference	reference	reference	reference	reference
Gastrointestinal bleeding : Yes	0.266	0.061	1.305	1.158	1.47	<0.001

Stroke (total)

Table 2.19: The effect of pre-defined and explored risk factors on the risk of Stroke (total) estimated using the Cox proportional hazards model in Group 1 . Table shows the hazard ratios (HRs) for several factors with the corresponding 95% CI and p-value. Only those explored risk factors that indicated 20% effect on the hazard of the outcome with $p \leq 0.15$ are presented. Drug use and comorbidities variables are time dependant.

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Age at index (years) : 18-49	reference	reference	reference	reference	reference	reference
Age at index (years) : 50-64	0.679	0.2	1.971	1.333	2.914	<0.001
Age at index (years) : 65-69	1.183	0.203	3.265	2.192	4.865	<0.001
Age at index (years) : 70-74	1.305	0.2	3.688	2.493	5.456	<0.001
Age at index (years) : 75-79	1.515	0.197	4.55	3.09	6.699	<0.001
Age at index (years) : 80-84	1.739	0.196	5.694	3.875	8.367	<0.001
Age at index (years) : 85 and over	1.864	0.196	6.447	4.387	9.473	<0.001
Sex : Male	reference	reference	reference	reference	reference	reference
Sex : Female	-0.055	0.048	0.947	0.862	1.04	0.253
Diabetes with ongoing medication : No	reference	reference	reference	reference	reference	reference
Diabetes with ongoing medication : Yes	0.147	0.052	1.158	1.047	1.282	0.005
≥ 1 MI in addition to index MI : No	reference	reference	reference	reference	reference	reference
≥ 1 MI in addition to index MI : Yes	0.219	0.075	1.244	1.073	1.443	0.005
Multivessel CAD : No	reference	reference	reference	reference	reference	reference
Multivessel CAD : Yes	0.118	0.048	1.125	1.023	1.237	0.016
Chronic renal dysfunction : No	reference	reference	reference	reference	reference	reference
Chronic renal dysfunction : Yes	0.459	0.108	1.582	1.281	1.954	<0.001
Ischaemic stroke : No	reference	reference	reference	reference	reference	reference
Ischaemic stroke : Yes	1.687	0.052	5.404	4.879	5.985	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
PCI or CABG related to index event : No	reference	reference	reference	reference	reference	reference
PCI or CABG related to index event : Yes	-0.473	0.055	0.623	0.559	0.695	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Invasive procedure related to index event : No invasive procedure	reference	reference	reference	reference	reference	reference
Invasive procedure related to index event : Coronary angiography only	-0.276	0.073	0.759	0.658	0.876	<0.001
Invasive procedure related to index event : PCI	-0.582	0.063	0.559	0.494	0.632	<0.001
Invasive procedure related to index event : CABG	-0.431	0.108	0.65	0.525	0.803	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Index year : 2009	reference	reference	reference	reference	reference	reference

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Index year : 2010	-0.151	0.059	0.86	0.766	0.965	0.011
Index year : 2011	-0.231	0.065	0.794	0.699	0.902	<0.001
Index year : 2012	-0.104	0.071	0.902	0.785	1.036	0.146

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Heart failure : No	reference	reference	reference	reference	reference	reference
Heart failure : Yes	0.233	0.05	1.263	1.145	1.393	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Stroke (Total) : No	reference	reference	reference	reference	reference	reference
Stroke (Total) : Yes	1.389	0.188	4.01	2.775	5.794	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Haemorrhagic stroke : No	reference	reference	reference	reference	reference	reference
Haemorrhagic stroke : Yes	0.952	0.169	2.591	1.86	3.608	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Transient ischemic attack : No	reference	reference	reference	reference	reference	reference
Transient ischemic attack : Yes	0.382	0.083	1.465	1.244	1.726	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Major bleedings : No	reference	reference	reference	reference	reference	reference
Major bleedings : Yes	0.217	0.072	1.242	1.078	1.431	0.004

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Arrhythmia : No	reference	reference	reference	reference	reference	reference
Arrhythmia : Yes	0.41	0.048	1.506	1.371	1.655	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Atrial fibrillation : No	reference	reference	reference	reference	reference	reference
Atrial fibrillation : Yes	0.452	0.05	1.572	1.424	1.735	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Bleeding disorder : No	reference	reference	reference	reference	reference	reference

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Bleeding disorder : Yes	0.551	0.303	1.735	0.957	3.144	0.081

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Other acute ischaemic heart diseases : No	reference	reference	reference	reference	reference	reference
Other acute ischaemic heart diseases : Yes	0.605	0.225	1.832	1.178	2.846	0.009

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Diabetes mellitus : No	reference	reference	reference	reference	reference	reference
Diabetes mellitus : Yes	0.316	0.081	1.372	1.17	1.609	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Severe liver disease : No	reference	reference	reference	reference	reference	reference
Severe liver disease : Yes	0.888	0.252	2.431	1.485	3.98	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Severe renal failure requiring dialysis : No	reference	reference	reference	reference	reference	reference
Severe renal failure requiring dialysis : Yes	0.591	0.31	1.806	0.983	3.318	0.071

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Cancer : No	reference	reference	reference	reference	reference	reference
Cancer : Yes	0.2	0.073	1.222	1.059	1.41	0.006

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
LMWH : No	reference	reference	reference	reference	reference	reference
LMWH : Yes	0.569	0.188	1.767	1.222	2.554	0.002

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
NOAC : No	reference	reference	reference	reference	reference	reference
NOAC : Yes	-12.567	316.711	0	0	1.35553060464946e+264	

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Proton pump inhibitor : No	reference	reference	reference	reference	reference	reference
Proton pump inhibitor : Yes	0.229	0.048	1.258	1.145	1.381	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Statin : No	reference	reference	reference	reference	reference	reference
Statin : Yes	-0.24	0.048	0.787	0.716	0.865	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
SSRI : No	reference	reference	reference	reference	reference	reference
SSRI : Yes	0.267	0.084	1.306	1.108	1.54	0.002

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Use of OAP : No	reference	reference	reference	reference	reference	reference
Use of OAP : Yes	-0.336	0.059	0.715	0.637	0.802	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Bleeding disorder : No	reference	reference	reference	reference	reference	reference
Bleeding disorder : Yes	0.551	0.303	1.735	0.957	3.144	0.081

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Intracranial bleeding : No	reference	reference	reference	reference	reference	reference
Intracranial bleeding : Yes	0.663	0.122	1.94	1.526	2.466	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Intracranial vascular abnormality : No	reference	reference	reference	reference	reference	reference
Intracranial vascular abnormality : Yes	0.571	0.174	1.769	1.257	2.491	0.003

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Gastrointestinal bleeding : No	reference	reference	reference	reference	reference	reference
Gastrointestinal bleeding : Yes	0.403	0.097	1.496	1.237	1.81	<0.001

Cardiovascular mortality

Table 2.46: The effect of pre-defined and explored risk factors on the risk of Cardiovascular mortality estimated using the Cox proportional hazards model in Group 1 . Table shows the hazard ratios (HRs) for several factors with the corresponding 95% CI and p-value. Only those explored risk factors that indicated 20% effect on the hazard of the outcome with $p \leq 0.15$ are presented. Drug use and comorbidities variables are time dependant.

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Age at index (years) : 18-49	reference	reference	reference	reference	reference	reference
Age at index (years) : 50-64	0.729	0.263	2.073	1.238	3.47	0.006
Age at index (years) : 65-69	1.278	0.267	3.59	2.129	6.053	<0.001
Age at index (years) : 70-74	1.66	0.26	5.261	3.163	8.752	<0.001
Age at index (years) : 75-79	2.149	0.256	8.58	5.199	14.158	<0.001
Age at index (years) : 80-84	2.638	0.254	13.99	8.507	23.01	<0.001
Age at index (years) : 85 and over	3.238	0.253	25.495	15.53	41.853	<0.001
Sex : Male	reference	reference	reference	reference	reference	reference
Sex : Female	-0.028	0.041	0.972	0.897	1.053	0.496
Diabetes with ongoing medication : No	reference	reference	reference	reference	reference	reference
Diabetes with ongoing medication : Yes	0.339	0.043	1.403	1.289	1.528	<0.001
≥ 1 MI in addition to index MI : No	reference	reference	reference	reference	reference	reference
≥ 1 MI in addition to index MI : Yes	0.473	0.055	1.605	1.442	1.787	<0.001
Multivessel CAD : No	reference	reference	reference	reference	reference	reference
Multivessel CAD : Yes	0.532	0.04	1.703	1.575	1.842	<0.001
Chronic renal dysfunction : No	reference	reference	reference	reference	reference	reference
Chronic renal dysfunction : Yes	0.893	0.072	2.444	2.124	2.812	<0.001
Ischaemic stroke : No	reference	reference	reference	reference	reference	reference
Ischaemic stroke : Yes	1.116	0.046	3.054	2.793	3.339	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Type of index MI : Non-ST elevation MI (and unspecified MI)	reference	reference	reference	reference	reference	reference
Type of index MI : ST elevation MI	-0.419	0.051	0.658	0.596	0.727	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
PCI or CABG related to index event : No	reference	reference	reference	reference	reference	reference
PCI or CABG related to index event : Yes	-0.981	0.06	0.375	0.333	0.422	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Invasive procedure related to index event : No invasive procedure	reference	reference	reference	reference	reference	reference
Invasive procedure related to index event : Coronary angiography only	-0.634	0.073	0.531	0.46	0.613	<0.001
Invasive procedure related to index event : PCI	-1.074	0.065	0.342	0.301	0.388	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Invasive procedure related to index event : CABG	-1.453	0.157	0.234	0.172	0.318	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Heart failure : No	reference	reference	reference	reference	reference	reference
Heart failure : Yes	1.072	0.042	2.921	2.689	3.172	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Hyperlipidemia : No	reference	reference	reference	reference	reference	reference
Hyperlipidemia : Yes	-0.5	0.048	0.606	0.552	0.666	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Unstable angina pectoris : No	reference	reference	reference	reference	reference	reference
Unstable angina pectoris : Yes	0.262	0.055	1.3	1.167	1.448	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Stroke (Total) : No	reference	reference	reference	reference	reference	reference
Stroke (Total) : Yes	1.478	0.122	4.384	3.453	5.567	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Haemorrhagic stroke : No	reference	reference	reference	reference	reference	reference
Haemorrhagic stroke : Yes	1.266	0.105	3.547	2.89	4.355	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Other stroke (not sub-classified) : No	reference	reference	reference	reference	reference	reference
Other stroke (not sub-classified) : Yes	1.201	0.269	3.323	1.962	5.63	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Major bleedings : No	reference	reference	reference	reference	reference	reference
Major bleedings : Yes	0.329	0.057	1.389	1.243	1.553	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Arrhythmia : No	reference	reference	reference	reference	reference	reference
Arrhythmia : Yes	0.442	0.04	1.555	1.437	1.683	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Atrial fibrillation : No	reference	reference	reference	reference	reference	reference
Atrial fibrillation : Yes	0.445	0.042	1.56	1.438	1.692	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Other acute ischaemic heart diseases : No	reference	reference	reference	reference	reference	reference
Other acute ischaemic heart diseases : Yes	0.68	0.17	1.973	1.413	2.755	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Diabetes mellitus : No	reference	reference	reference	reference	reference	reference
Diabetes mellitus : Yes	0.578	0.062	1.782	1.578	2.013	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Severe liver disease : No	reference	reference	reference	reference	reference	reference
Severe liver disease : Yes	0.416	0.278	1.517	0.879	2.617	0.139

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Severe renal failure requiring dialysis : No	reference	reference	reference	reference	reference	reference
Severe renal failure requiring dialysis : Yes	0.651	0.231	1.917	1.219	3.014	0.007

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
COPD : No	reference	reference	reference	reference	reference	reference
COPD : Yes	0.584	0.078	1.793	1.54	2.087	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Dementia/Alzheimer's disease : No	reference	reference	reference	reference	reference	reference
Dementia/Alzheimer's disease : Yes	0.449	0.055	1.567	1.406	1.746	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
ARB : No	reference	reference	reference	reference	reference	reference
ARB : Yes	-0.365	0.055	0.694	0.623	0.773	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Nitrate : No	reference	reference	reference	reference	reference	reference
Nitrate : Yes	0.359	0.042	1.433	1.319	1.556	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Beta-blocker : No	reference	reference	reference	reference	reference	reference
Beta-blocker : Yes	-0.245	0.042	0.783	0.721	0.849	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
LMWH : No	reference	reference	reference	reference	reference	reference
LMWH : Yes	0.611	0.162	1.842	1.341	2.53	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Statin : No	reference	reference	reference	reference	reference	reference
Statin : Yes	-0.438	0.041	0.645	0.595	0.699	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Use of OAP : No	reference	reference	reference	reference	reference	reference
Use of OAP : Yes	-0.246	0.05	0.782	0.709	0.863	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Intracranial bleeding : No	reference	reference	reference	reference	reference	reference
Intracranial bleeding : Yes	0.848	0.09	2.334	1.958	2.782	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Intracranial vascular abnormality : No	reference	reference	reference	reference	reference	reference
Intracranial vascular abnormality : Yes	0.352	0.167	1.422	1.026	1.97	0.048

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Gastrointestinal bleeding : No	reference	reference	reference	reference	reference	reference
Gastrointestinal bleeding : Yes	0.481	0.075	1.618	1.398	1.874	<0.001

Composite end-point

Table 2.74: The effect of pre-defined and explored risk factors on the risk of Composite end-point estimated using the Cox proportional hazards model in Group 1 . Table shows the hazard ratios (HRs) for several factors with the corresponding 95% CI and p-value. Only those explored risk factors that indicated 20% effect on the hazard of the outcome with $p \leq 0.15$ are presented. Drug use and comorbidities variables are time dependant.

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Age at index (years) : 18-49	reference	reference	reference	reference	reference	reference
Age at index (years) : 50-64	0.178	0.073	1.195	1.035	1.379	0.016
Age at index (years) : 65-69	0.517	0.077	1.677	1.442	1.951	<0.001
Age at index (years) : 70-74	0.614	0.075	1.848	1.595	2.141	<0.001
Age at index (years) : 75-79	0.922	0.073	2.514	2.179	2.899	<0.001
Age at index (years) : 80-84	1.209	0.072	3.352	2.912	3.858	<0.001
Age at index (years) : 85 and over	1.527	0.071	4.605	4.005	5.294	<0.001
Sex : Male	reference	reference	reference	reference	reference	reference
Sex : Female	-0.064	0.023	0.938	0.896	0.981	0.005
Diabetes with ongoing medication : No	reference	reference	reference	reference	reference	reference
Diabetes with ongoing medication : Yes	0.312	0.024	1.367	1.303	1.433	<0.001
≥ 1 MI in addition to index MI : No	reference	reference	reference	reference	reference	reference
≥ 1 MI in addition to index MI : Yes	0.529	0.034	1.697	1.589	1.813	<0.001
Multivessel CAD : No	reference	reference	reference	reference	reference	reference
Multivessel CAD : Yes	0.153	0.024	1.166	1.113	1.221	<0.001
Chronic renal dysfunction : No	reference	reference	reference	reference	reference	reference
Chronic renal dysfunction : Yes	0.602	0.05	1.826	1.655	2.015	<0.001
Ischaemic stroke : No	reference	reference	reference	reference	reference	reference
Ischaemic stroke : Yes	0.577	0.035	1.781	1.664	1.906	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
PCI or CABG related to index event : No	reference	reference	reference	reference	reference	reference
PCI or CABG related to index event : Yes	-0.544	0.027	0.58	0.551	0.612	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Invasive procedure related to index event : No invasive procedure	reference	reference	reference	reference	reference	reference
Invasive procedure related to index event : Coronary angiography only	-0.286	0.036	0.751	0.7	0.805	<0.001
Invasive procedure related to index event : PCI	-0.578	0.03	0.561	0.529	0.595	<0.001
Invasive procedure related to index event : CABG	-0.96	0.065	0.383	0.337	0.435	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Heart failure : No	reference	reference	reference	reference	reference	reference
Heart failure : Yes	0.444	0.024	1.558	1.487	1.633	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Stroke (Total) : No	reference	reference	reference	reference	reference	reference
Stroke (Total) : Yes	0.374	0.131	1.453	1.125	1.878	0.006

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Haemorrhagic stroke : No	reference	reference	reference	reference	reference	reference
Haemorrhagic stroke : Yes	0.265	0.12	1.303	1.029	1.649	0.033

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Transient ischemic attack : No	reference	reference	reference	reference	reference	reference
Transient ischemic attack : Yes	0.238	0.048	1.268	1.155	1.393	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Major bleedings : No	reference	reference	reference	reference	reference	reference
Major bleedings : Yes	0.255	0.036	1.291	1.202	1.386	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Arrhythmia : No	reference	reference	reference	reference	reference	reference
Arrhythmia : Yes	0.212	0.024	1.236	1.179	1.296	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Atrial fibrillation : No	reference	reference	reference	reference	reference	reference
Atrial fibrillation : Yes	0.235	0.026	1.265	1.202	1.331	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Bleeding disorder : No	reference	reference	reference	reference	reference	reference
Bleeding disorder : Yes	0.278	0.172	1.321	0.943	1.85	0.11

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Other acute ischaemic heart diseases : No	reference	reference	reference	reference	reference	reference
Other acute ischaemic heart diseases : Yes	0.331	0.125	1.393	1.091	1.778	0.008

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Diabetes mellitus : No	reference	reference	reference	reference	reference	reference
Diabetes mellitus : Yes	0.381	0.041	1.464	1.352	1.586	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Severe liver disease : No	reference	reference	reference	reference	reference	reference
Severe liver disease : Yes	0.343	0.159	1.409	1.033	1.923	0.03

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Severe renal failure requiring dialysis : No	reference	reference	reference	reference	reference	reference
Severe renal failure requiring dialysis : Yes	0.605	0.142	1.831	1.387	2.417	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
COPD : No	reference	reference	reference	reference	reference	reference
COPD : Yes	0.307	0.048	1.359	1.237	1.493	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Nitrate : No	reference	reference	reference	reference	reference	reference
Nitrate : Yes	0.432	0.024	1.54	1.471	1.613	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
LMWH : No	reference	reference	reference	reference	reference	reference
LMWH : Yes	0.52	0.088	1.682	1.417	1.998	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Proton pump inhibitor : No	reference	reference	reference	reference	reference	reference
Proton pump inhibitor : Yes	0.219	0.023	1.245	1.19	1.302	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Statin : No	reference	reference	reference	reference	reference	reference
Statin : Yes	-0.226	0.024	0.798	0.762	0.836	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Bleeding disorder : No	reference	reference	reference	reference	reference	reference
Bleeding disorder : Yes	0.278	0.172	1.321	0.943	1.85	0.11

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Intracranial bleeding : No	reference	reference	reference	reference	reference	reference
Intracranial bleeding : Yes	0.205	0.079	1.227	1.052	1.433	0.012

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Central nervous tumour : No	reference	reference	reference	reference	reference	reference
Central nervous tumour : Yes	0.545	0.354	1.725	0.862	3.452	0.106

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Intracranial vascular abnormality : No	reference	reference	reference	reference	reference	reference
Intracranial vascular abnormality : Yes	0.27	0.117	1.309	1.041	1.648	0.025

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Gastrointestinal bleeding : No	reference	reference	reference	reference	reference	reference
Gastrointestinal bleeding : Yes	0.328	0.051	1.388	1.257	1.533	<0.001

Overall mortality

Table 2.99: The effect of pre-defined and explored risk factors on the risk of Overall mortality estimated using the Cox proportional hazards model in Group 1 . Table shows the hazard ratios (HRs) for several factors with the corresponding 95% CI and p-value. Only those explored risk factors that indicated 20% effect on the hazard of the outcome with $p \leq 0.15$ are presented. Drug use and comorbidities variables are time dependant.

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Age at index (years) : 18-49	reference	reference	reference	reference	reference	reference
Age at index (years) : 50-64	0.9	0.13	2.459	1.907	3.171	<0.001
Age at index (years) : 65-69	1.437	0.132	4.21	3.251	5.451	<0.001
Age at index (years) : 70-74	1.714	0.129	5.552	4.31	7.151	<0.001
Age at index (years) : 75-79	2.204	0.127	9.059	7.061	11.621	<0.001
Age at index (years) : 80-84	2.635	0.126	13.946	10.889	17.862	<0.001
Age at index (years) : 85 and over	3.205	0.126	24.647	19.263	31.536	<0.001
Sex : Male	reference	reference	reference	reference	reference	reference
Sex : Female	-0.133	0.022	0.876	0.839	0.914	<0.001
Diabetes with ongoing medication : No	reference	reference	reference	reference	reference	reference
Diabetes with ongoing medication : Yes	0.06	0.025	1.062	1.012	1.115	0.02
≥ 1 MI in addition to index MI : No	reference	reference	reference	reference	reference	reference
≥ 1 MI in addition to index MI : Yes	0.375	0.031	1.455	1.369	1.547	<0.001
Multivessel CAD : No	reference	reference	reference	reference	reference	reference
Multivessel CAD : Yes	0.409	0.021	1.506	1.444	1.57	<0.001
Chronic renal dysfunction : No	reference	reference	reference	reference	reference	reference
Chronic renal dysfunction : Yes	1.106	0.036	3.021	2.816	3.24	<0.001
Ischaemic stroke : No	reference	reference	reference	reference	reference	reference
Ischaemic stroke : Yes	0.641	0.028	1.898	1.797	2.005	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Type of index MI : Non-ST elevation MI (and unspecified MI)	reference	reference	reference	reference	reference	reference
Type of index MI : ST elevation MI	-0.37	0.026	0.691	0.656	0.727	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
PCI or CABG related to index event : No	reference	reference	reference	reference	reference	reference
PCI or CABG related to index event : Yes	-1.014	0.031	0.363	0.342	0.385	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Invasive procedure related to index event : No invasive procedure	reference	reference	reference	reference	reference	reference
Invasive procedure related to index event : Coronary angiography only	-0.867	0.04	0.42	0.388	0.455	<0.001
Invasive procedure related to index event : PCI	-1.195	0.034	0.303	0.283	0.323	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Invasive procedure related to index event : CABG	-1.331	0.072	0.264	0.229	0.305	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Heart failure : No	reference	reference	reference	reference	reference	reference
Heart failure : Yes	1.083	0.022	2.954	2.827	3.087	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Hypertension : No	reference	reference	reference	reference	reference	reference
Hypertension : Yes	-0.313	0.072	0.731	0.635	0.842	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Hyperlipidemia : No	reference	reference	reference	reference	reference	reference
Hyperlipidemia : Yes	-0.719	0.025	0.487	0.464	0.512	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Stroke (Total) : No	reference	reference	reference	reference	reference	reference
Stroke (Total) : Yes	0.941	0.078	2.561	2.199	2.984	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Haemorrhagic stroke : No	reference	reference	reference	reference	reference	reference
Haemorrhagic stroke : Yes	0.854	0.07	2.35	2.05	2.693	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Other stroke (not sub-classified) : No	reference	reference	reference	reference	reference	reference
Other stroke (not sub-classified) : Yes	1.138	0.168	3.12	2.247	4.332	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Major bleedings : No	reference	reference	reference	reference	reference	reference
Major bleedings : Yes	0.542	0.028	1.719	1.626	1.817	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Arrhythmia : No	reference	reference	reference	reference	reference	reference
Arrhythmia : Yes	0.461	0.022	1.586	1.52	1.654	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Atrial fibrillation : No	reference	reference	reference	reference	reference	reference
Atrial fibrillation : Yes	0.466	0.022	1.594	1.525	1.665	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Bleeding disorder : No	reference	reference	reference	reference	reference	reference
Bleeding disorder : Yes	0.761	0.119	2.139	1.693	2.703	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Other acute ischaemic heart diseases : No	reference	reference	reference	reference	reference	reference
Other acute ischaemic heart diseases : Yes	0.487	0.101	1.628	1.335	1.984	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Diabetes mellitus : No	reference	reference	reference	reference	reference	reference
Diabetes mellitus : Yes	0.681	0.031	1.975	1.857	2.101	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Severe liver disease : No	reference	reference	reference	reference	reference	reference
Severe liver disease : Yes	1.261	0.097	3.528	2.914	4.271	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Severe renal failure requiring dialysis : No	reference	reference	reference	reference	reference	reference
Severe renal failure requiring dialysis : Yes	0.73	0.109	2.075	1.677	2.569	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
COPD : No	reference	reference	reference	reference	reference	reference
COPD : Yes	0.932	0.035	2.539	2.37	2.722	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Dementia/Alzheimer's disease : No	reference	reference	reference	reference	reference	reference
Dementia/Alzheimer's disease : Yes	0.739	0.028	2.093	1.983	2.21	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Cancer : No	reference	reference	reference	reference	reference	reference
Cancer : Yes	0.902	0.025	2.463	2.343	2.589	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Antithrombotic medication : No	reference	reference	reference	reference	reference	reference
Antithrombotic medication : Yes	-0.377	0.023	0.686	0.656	0.717	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
ARB : No	reference	reference	reference	reference	reference	reference
ARB : Yes	-0.501	0.031	0.606	0.57	0.643	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
ACE inhibitor : No	reference	reference	reference	reference	reference	reference
ACE inhibitor : Yes	-0.322	0.023	0.725	0.693	0.758	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Beta-blocker : No	reference	reference	reference	reference	reference	reference
Beta-blocker : Yes	-0.518	0.021	0.596	0.571	0.621	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Calcium channel blocker : No	reference	reference	reference	reference	reference	reference
Calcium channel blocker : Yes	-0.412	0.028	0.662	0.627	0.7	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
LMWH : No	reference	reference	reference	reference	reference	reference
LMWH : Yes	1.247	0.068	3.481	3.048	3.976	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Proton pump inhibitor : No	reference	reference	reference	reference	reference	reference
Proton pump inhibitor : Yes	0.294	0.022	1.342	1.287	1.4	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Statin : No	reference	reference	reference	reference	reference	reference
Statin : Yes	-0.793	0.022	0.452	0.433	0.472	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Use of OAP : No	reference	reference	reference	reference	reference	reference
Use of OAP : Yes	-0.579	0.03	0.56	0.528	0.594	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Bleeding disorder : No	reference	reference	reference	reference	reference	reference
Bleeding disorder : Yes	0.761	0.119	2.139	1.693	2.703	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Intracranial bleeding : No	reference	reference	reference	reference	reference	reference
Intracranial bleeding : Yes	0.754	0.051	2.126	1.923	2.35	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Central nervous tumour : No	reference	reference	reference	reference	reference	reference
Central nervous tumour : Yes	1.935	0.172	6.925	4.941	9.706	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Intracranial vascular abnormality : No	reference	reference	reference	reference	reference	reference
Intracranial vascular abnormality : Yes	0.26	0.101	1.296	1.065	1.579	0.018

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Gastrointestinal bleeding : No	reference	reference	reference	reference	reference	reference
Gastrointestinal bleeding : Yes	0.629	0.038	1.876	1.741	2.02	<0.001

2.1.2 Explored risk factors for group 2

Myocardial infarction

Table 2.134: The effect of pre-defined and explored risk factors on the risk of Myocardial infarction estimated using the Cox proportional hazards model in Group 2 . Table shows the hazard ratios (HRs) for several factors with the corresponding 95% CI and p-value. Only those explored risk factors that indicated 20% effect on the hazard of the outcome with $p \leq 0.15$ are presented. Drug use and comorbidities variables are time dependant.

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Sex : Male	reference	reference	reference	reference	reference	reference
Sex : Female	-0.029	0.051	0.971	0.88	1.073	0.567
Diabetes with ongoing medication : No	reference	reference	reference	reference	reference	reference
Diabetes with ongoing medication : Yes	0.424	0.052	1.529	1.381	1.693	<0.001
Multivessel CAD : No	reference	reference	reference	reference	reference	reference
Multivessel CAD : Yes	0.267	0.049	1.306	1.186	1.439	<0.001
Chronic renal dysfunction : No	reference	reference	reference	reference	reference	reference
Chronic renal dysfunction : Yes	0.639	0.11	1.895	1.529	2.349	<0.001
Ischaemic stroke : No	reference	reference	reference	reference	reference	reference
Ischaemic stroke : Yes	0.325	0.084	1.384	1.175	1.631	<0.001
≥ 1 MI in addition to index MI : No	reference	reference	reference	reference	reference	reference
≥ 1 MI in addition to index MI : Yes	0.657	0.077	1.929	1.659	2.244	<0.001
Age at 1 year baseline check (years) : 18-49	reference	reference	reference	reference	reference	reference
Age at 1 year baseline check (years) : 50-64	0.08	0.152	1.083	0.805	1.458	0.598
Age at 1 year baseline check (years) : 65-69	0.156	0.165	1.169	0.845	1.616	0.345
Age at 1 year baseline check (years) : 70-74	0.375	0.159	1.455	1.066	1.985	0.018
Age at 1 year baseline check (years) : 75-79	0.729	0.153	2.073	1.537	2.796	<0.001
Age at 1 year baseline check (years) : 80-84	1.1	0.15	3.004	2.24	4.03	<0.001
Age at 1 year baseline check (years) : 85 and over	1.585	0.148	4.881	3.654	6.519	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Type of index MI : Non-ST elevation MI (and unspecified MI)	reference	reference	reference	reference	reference	reference
Type of index MI : ST elevation MI	-0.396	0.056	0.673	0.603	0.751	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
PCI or CABG related to index event : No	reference	reference	reference	reference	reference	reference
PCI or CABG related to index event : Yes	-0.571	0.057	0.565	0.506	0.631	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Invasive procedure related to index event : No invasive procedure	reference	reference	reference	reference	reference	reference
Invasive procedure related to index event : Coronary angiography only	-0.284	0.074	0.753	0.651	0.869	<0.001
Invasive procedure related to index event : PCI	-0.541	0.062	0.582	0.516	0.657	<0.001
Invasive procedure related to index event : CABG	-1.703	0.185	0.182	0.127	0.262	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Heart failure : No	reference	reference	reference	reference	reference	reference
Heart failure : Yes	0.488	0.052	1.629	1.47	1.804	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Hypertension : No	reference	reference	reference	reference	reference	reference
Hypertension : Yes	0.622	0.26	1.862	1.119	3.099	0.017

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Unstable angina pectoris : No	reference	reference	reference	reference	reference	reference
Unstable angina pectoris : Yes	0.197	0.07	1.217	1.062	1.395	0.005

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Transient ischemic attack : No	reference	reference	reference	reference	reference	reference
Transient ischemic attack : Yes	0.264	0.102	1.302	1.065	1.591	0.012

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Major bleedings : No	reference	reference	reference	reference	reference	reference
Major bleedings : Yes	0.247	0.078	1.28	1.099	1.491	0.002

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Bleeding disorder : No	reference	reference	reference	reference	reference	reference
Bleeding disorder : Yes	0.618	0.318	1.855	0.995	3.46	0.043

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Diabetes mellitus : No	reference	reference	reference	reference	reference	reference
Diabetes mellitus : Yes	0.424	0.089	1.528	1.284	1.819	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Severe renal failure requiring dialysis : No	reference	reference	reference	reference	reference	reference
Severe renal failure requiring dialysis : Yes	1.146	0.311	3.146	1.709	5.791	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
COPD : No	reference	reference	reference	reference	reference	reference
COPD : Yes	0.45	0.101	1.568	1.287	1.91	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Cancer : No	reference	reference	reference	reference	reference	reference
Cancer : Yes	0.264	0.077	1.302	1.119	1.513	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Nitrate : No	reference	reference	reference	reference	reference	reference
Nitrate : Yes	0.834	0.052	2.302	2.078	2.55	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Proton pump inhibitor : No	reference	reference	reference	reference	reference	reference
Proton pump inhibitor : Yes	0.242	0.051	1.274	1.153	1.409	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
NSAID : No	reference	reference	reference	reference	reference	reference
NSAID : Yes	0.312	0.109	1.366	1.103	1.691	0.005

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Use of OAP : No	reference	reference	reference	reference	reference	reference
Use of OAP : Yes	0.286	0.067	1.331	1.167	1.517	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Bleeding disorder : No	reference	reference	reference	reference	reference	reference
Bleeding disorder : Yes	0.618	0.318	1.855	0.995	3.46	0.043

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Gastrointestinal bleeding : No	reference	reference	reference	reference	reference	reference
Gastrointestinal bleeding : Yes	0.323	0.107	1.381	1.12	1.703	0.004

Stroke (total)

Table 2.154: The effect of pre-defined and explored risk factors on the risk of Stroke (total) estimated using the Cox proportional hazards model in Group 2 . Table shows the hazard ratios (HRs) for several factors with the corresponding 95% CI and p-value. Only those explored risk factors that indicated 20% effect on the hazard of the outcome with $p \leq 0.15$ are presented. Drug use and comorbidities variables are time dependant.

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Sex : Male	reference	reference	reference	reference	reference	reference
Sex : Female	-0.058	0.076	0.943	0.814	1.094	0.435
Diabetes with ongoing medication : No	reference	reference	reference	reference	reference	reference
Diabetes with ongoing medication : Yes	0.182	0.082	1.199	1.022	1.408	0.027
Multivessel CAD : No	reference	reference	reference	reference	reference	reference
Multivessel CAD : Yes	0.217	0.075	1.242	1.073	1.438	0.004
Chronic renal dysfunction : No	reference	reference	reference	reference	reference	reference
Chronic renal dysfunction : Yes	0.321	0.193	1.378	0.944	2.013	0.107
Ischaemic stroke : No	reference	reference	reference	reference	reference	reference
Ischaemic stroke : Yes	1.394	0.094	4.03	3.35	4.848	<0.001
≥ 1 MI in addition to index MI : No	reference	reference	reference	reference	reference	reference
≥ 1 MI in addition to index MI : Yes	0.284	0.13	1.328	1.028	1.715	0.035
Age at 1 year baseline check (years) : 18-49	reference	reference	reference	reference	reference	reference
Age at 1 year baseline check (years) : 50-64	0.796	0.349	2.216	1.119	4.391	0.023
Age at 1 year baseline check (years) : 65-69	1.287	0.355	3.621	1.805	7.266	<0.001
Age at 1 year baseline check (years) : 70-74	1.631	0.348	5.108	2.585	10.095	<0.001
Age at 1 year baseline check (years) : 75-79	1.794	0.345	6.013	3.058	11.824	<0.001
Age at 1 year baseline check (years) : 80-84	1.978	0.344	7.227	3.679	14.197	<0.001
Age at 1 year baseline check (years) : 85 and over	2.335	0.343	10.33	5.275	20.23	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
PCI or CABG related to index event : No	reference	reference	reference	reference	reference	reference
PCI or CABG related to index event : Yes	-0.393	0.083	0.675	0.574	0.794	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Invasive procedure related to index event : No invasive procedure	reference	reference	reference	reference	reference	reference
Invasive procedure related to index event : Coronary angiography only	-0.223	0.111	0.801	0.644	0.994	0.045
Invasive procedure related to index event : PCI	-0.475	0.095	0.622	0.517	0.749	<0.001
Invasive procedure related to index event : CABG	-0.428	0.162	0.652	0.475	0.896	0.008

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Heart failure : No	reference	reference	reference	reference	reference	reference
Heart failure : Yes	0.347	0.079	1.415	1.212	1.652	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Stroke (Total) : No	reference	reference	reference	reference	reference	reference
Stroke (Total) : Yes	0.833	0.411	2.299	1.028	5.142	0.045

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Haemorrhagic stroke : No	reference	reference	reference	reference	reference	reference
Haemorrhagic stroke : Yes	0.617	0.38	1.853	0.879	3.905	0.121

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Other stroke (not sub-classified) : No	reference	reference	reference	reference	reference	reference
Other stroke (not sub-classified) : Yes	-12.75	590.337	0	0	Inf	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Transient ischemic attack : No	reference	reference	reference	reference	reference	reference
Transient ischemic attack : Yes	0.398	0.137	1.488	1.138	1.947	0.006

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Major bleedings : No	reference	reference	reference	reference	reference	reference
Major bleedings : Yes	0.306	0.113	1.358	1.088	1.695	0.008

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Arrhythmia : No	reference	reference	reference	reference	reference	reference
Arrhythmia : Yes	0.472	0.076	1.603	1.382	1.859	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Atrial fibrillation : No	reference	reference	reference	reference	reference	reference
Atrial fibrillation : Yes	0.527	0.08	1.693	1.449	1.979	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Bleeding disorder : No	reference	reference	reference	reference	reference	reference
Bleeding disorder : Yes	0.804	0.451	2.235	0.924	5.405	0.084

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Other acute ischaemic heart diseases : No	reference	reference	reference	reference	reference	reference
Other acute ischaemic heart diseases : Yes	0.677	0.356	1.968	0.98	3.951	0.059

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Diabetes mellitus : No	reference	reference	reference	reference	reference	reference
Diabetes mellitus : Yes	0.398	0.13	1.489	1.155	1.92	0.003

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Severe liver disease : No	reference	reference	reference	reference	reference	reference
Severe liver disease : Yes	1.034	0.381	2.813	1.334	5.93	0.007

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Severe renal failure requiring dialysis : No	reference	reference	reference	reference	reference	reference
Severe renal failure requiring dialysis : Yes	1.211	0.541	3.358	1.162	9.7	0.025

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
COPD : No	reference	reference	reference	reference	reference	reference
COPD : Yes	0.341	0.155	1.406	1.038	1.904	0.03

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
NOAC : No	reference	reference	reference	reference	reference	reference
NOAC : Yes	-13.652	767.338	0	0	Inf	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Proton pump inhibitor : No	reference	reference	reference	reference	reference	reference
Proton pump inhibitor : Yes	0.358	0.076	1.43	1.233	1.659	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Statin : No	reference	reference	reference	reference	reference	reference
Statin : Yes	-0.275	0.075	0.759	0.655	0.88	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Bleeding disorder : No	reference	reference	reference	reference	reference	reference
Bleeding disorder : Yes	0.804	0.451	2.235	0.924	5.405	0.084

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Intracranial bleeding : No	reference	reference	reference	reference	reference	reference
Intracranial bleeding : Yes	0.502	0.222	1.652	1.07	2.553	0.028

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Central nervous tumour : No	reference	reference	reference	reference	reference	reference
Central nervous tumour : Yes	1.685	0.71	5.394	1.342	21.684	0.038

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Gastrointestinal bleeding : No	reference	reference	reference	reference	reference	reference
Gastrointestinal bleeding : Yes	0.537	0.147	1.71	1.282	2.283	<0.001

Cardiovascular mortality

Table 2.178: The effect of pre-defined and explored risk factors on the risk of Cardiovascular mortality estimated using the Cox proportional hazards model in Group 2 . Table shows the hazard ratios (HRs) for several factors with the corresponding 95% CI and p-value. Only those explored risk factors that indicated 20% effect on the hazard of the outcome with $p \leq 0.15$ are presented. Drug use and comorbidities variables are time dependant.

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Sex : Male	reference	reference	reference	reference	reference	reference
Sex : Female	0.079	0.07	1.082	0.944	1.242	0.27
Diabetes with ongoing medication : No	reference	reference	reference	reference	reference	reference
Diabetes with ongoing medication : Yes	0.302	0.075	1.353	1.168	1.566	<0.001
Multivessel CAD : No	reference	reference	reference	reference	reference	reference
Multivessel CAD : Yes	0.62	0.067	1.859	1.628	2.121	<0.001
Chronic renal dysfunction : No	reference	reference	reference	reference	reference	reference
Chronic renal dysfunction : Yes	1.039	0.122	2.827	2.228	3.587	<0.001
Ischaemic stroke : No	reference	reference	reference	reference	reference	reference
Ischaemic stroke : Yes	1.344	0.079	3.834	3.286	4.473	<0.001
≥ 1 MI in addition to index MI : No	reference	reference	reference	reference	reference	reference
≥ 1 MI in addition to index MI : Yes	0.568	0.1	1.765	1.451	2.148	<0.001
Age at 1 year baseline check (years) : 18-49	reference	reference	reference	reference	reference	reference
Age at 1 year baseline check (years) : 50-64	0.819	0.467	2.268	0.908	5.662	0.08
Age at 1 year baseline check (years) : 65-69	1.247	0.475	3.478	1.37	8.829	0.009
Age at 1 year baseline check (years) : 70-74	1.717	0.463	5.568	2.248	13.789	<0.001
Age at 1 year baseline check (years) : 75-79	2.13	0.457	8.418	3.439	20.61	<0.001
Age at 1 year baseline check (years) : 80-84	2.668	0.454	14.412	5.921	35.078	<0.001
Age at 1 year baseline check (years) : 85 and over	3.352	0.452	28.569	11.782	69.273	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Type of index MI : Non-ST elevation MI (and unspecified MI)	reference	reference	reference	reference	reference	reference
Type of index MI : ST elevation MI	-0.364	0.082	0.695	0.591	0.816	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
PCI or CABG related to index event : No	reference	reference	reference	reference	reference	reference
PCI or CABG related to index event : Yes	-0.876	0.094	0.416	0.346	0.5	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Invasive procedure related to index event : No invasive procedure	reference	reference	reference	reference	reference	reference
Invasive procedure related to index event : Coronary angiography only	-0.656	0.119	0.519	0.411	0.656	<0.001
Invasive procedure related to index event : PCI	-1.02	0.103	0.361	0.294	0.441	<0.001
Invasive procedure related to index event : CABG	-1.137	0.213	0.321	0.211	0.487	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Index year : 2009	reference	reference	reference	reference	reference	reference
Index year : 2010	0.046	0.081	1.047	0.893	1.226	0.582
Index year : 2011	-0.146	0.098	0.864	0.712	1.047	0.14
Index year : 2012	-0.396	0.159	0.673	0.493	0.919	0.013

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Heart failure : No	reference	reference	reference	reference	reference	reference
Heart failure : Yes	1.12	0.072	3.065	2.663	3.527	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Hypertension : No	reference	reference	reference	reference	reference	reference
Hypertension : Yes	0.783	0.41	2.188	0.979	4.89	0.061

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Hyperlipidemia : No	reference	reference	reference	reference	reference	reference
Hyperlipidemia : Yes	-0.478	0.085	0.62	0.525	0.732	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Unstable angina pectoris : No	reference	reference	reference	reference	reference	reference
Unstable angina pectoris : Yes	0.354	0.093	1.425	1.186	1.711	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Stroke (Total) : No	reference	reference	reference	reference	reference	reference
Stroke (Total) : Yes	2.069	0.179	7.915	5.572	11.241	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Haemorrhagic stroke : No	reference	reference	reference	reference	reference	reference

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Haemorrhagic stroke : Yes	1.672	0.163	5.325	3.865	7.336	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Other stroke (not sub-classified) : No	reference	reference	reference	reference	reference	reference
Other stroke (not sub-classified) : Yes	1.539	0.383	4.662	2.2	9.881	0.002

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Major bleedings : No	reference	reference	reference	reference	reference	reference
Major bleedings : Yes	0.47	0.092	1.601	1.336	1.918	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Arrhythmia : No	reference	reference	reference	reference	reference	reference
Arrhythmia : Yes	0.575	0.068	1.778	1.555	2.032	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Atrial fibrillation : No	reference	reference	reference	reference	reference	reference
Atrial fibrillation : Yes	0.572	0.07	1.772	1.544	2.034	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Bleeding disorder : No	reference	reference	reference	reference	reference	reference
Bleeding disorder : Yes	0.721	0.381	2.057	0.975	4.339	0.091

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Diabetes mellitus : No	reference	reference	reference	reference	reference	reference
Diabetes mellitus : Yes	0.705	0.104	2.023	1.65	2.481	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Severe renal failure requiring dialysis : No	reference	reference	reference	reference	reference	reference
Severe renal failure requiring dialysis : Yes	1.354	0.377	3.873	1.849	8.112	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
COPD : No	reference	reference	reference	reference	reference	reference
COPD : Yes	0.699	0.126	2.011	1.57	2.577	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Dementia/Alzheimer's disease : No	reference	reference	reference	reference	reference	reference
Dementia/Alzheimer's disease : Yes	0.373	0.095	1.452	1.207	1.748	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
ARB : No	reference	reference	reference	reference	reference	reference
ARB : Yes	-0.44	0.095	0.644	0.534	0.776	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Nitrate : No	reference	reference	reference	reference	reference	reference
Nitrate : Yes	0.504	0.072	1.656	1.439	1.906	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
LMWH : No	reference	reference	reference	reference	reference	reference
LMWH : Yes	0.902	0.318	2.464	1.32	4.599	0.005

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Proton pump inhibitor : No	reference	reference	reference	reference	reference	reference
Proton pump inhibitor : Yes	0.313	0.069	1.367	1.194	1.565	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Statin : No	reference	reference	reference	reference	reference	reference
Statin : Yes	-0.383	0.069	0.682	0.596	0.781	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Bleeding disorder : No	reference	reference	reference	reference	reference	reference
Bleeding disorder : Yes	0.721	0.381	2.057	0.975	4.339	0.091

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Intracranial bleeding : No	reference	reference	reference	reference	reference	reference
Intracranial bleeding : Yes	1.089	0.142	2.972	2.251	3.923	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Intracranial vascular abnormality : No	reference	reference	reference	reference	reference	reference
Intracranial vascular abnormality : Yes	0.605	0.292	1.831	1.033	3.246	0.052

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Gastrointestinal bleeding : No	reference	reference	reference	reference	reference	reference
Gastrointestinal bleeding : Yes	0.506	0.123	1.658	1.302	2.112	<0.001

Composite end-point

Table 2.207: The effect of pre-defined and explored risk factors on the risk of Composite end-point estimated using the Cox proportional hazards model in Group 2 . Table shows the hazard ratios (HRs) for several factors with the corresponding 95% CI and p-value. Only those explored risk factors that indicated 20% effect on the hazard of the outcome with $p \leq 0.15$ are presented. Drug use and comorbidities variables are time dependant.

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Sex : Male	reference	reference	reference	reference	reference	reference
Sex : Female	-0.017	0.04	0.983	0.908	1.064	0.679
Diabetes with ongoing medication : No	reference	reference	reference	reference	reference	reference
Diabetes with ongoing medication : Yes	0.339	0.042	1.403	1.291	1.525	<0.001
Multivessel CAD : No	reference	reference	reference	reference	reference	reference
Multivessel CAD : Yes	0.267	0.04	1.306	1.208	1.412	<0.001
Chronic renal dysfunction : No	reference	reference	reference	reference	reference	reference
Chronic renal dysfunction : Yes	0.621	0.089	1.861	1.563	2.217	<0.001
Ischaemic stroke : No	reference	reference	reference	reference	reference	reference
Ischaemic stroke : Yes	0.675	0.065	1.963	1.73	2.228	<0.001
≥ 1 MI in addition to index MI : No	reference	reference	reference	reference	reference	reference
≥ 1 MI in addition to index MI : Yes	0.585	0.063	1.795	1.585	2.033	<0.001
Age at 1 year baseline check (years) : 18-49	reference	reference	reference	reference	reference	reference
Age at 1 year baseline check (years) : 50-64	0.238	0.136	1.269	0.972	1.657	0.08
Age at 1 year baseline check (years) : 65-69	0.479	0.144	1.614	1.217	2.14	<0.001
Age at 1 year baseline check (years) : 70-74	0.735	0.139	2.085	1.588	2.738	<0.001
Age at 1 year baseline check (years) : 75-79	1.03	0.136	2.802	2.148	3.655	<0.001
Age at 1 year baseline check (years) : 80-84	1.35	0.134	3.859	2.968	5.019	<0.001
Age at 1 year baseline check (years) : 85 and over	1.822	0.132	6.184	4.77	8.018	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Type of index MI : Non-ST elevation MI (and unspecified MI)	reference	reference	reference	reference	reference	reference
Type of index MI : ST elevation MI	-0.282	0.044	0.754	0.692	0.822	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
PCI or CABG related to index event : No	reference	reference	reference	reference	reference	reference
PCI or CABG related to index event : Yes	-0.538	0.045	0.584	0.534	0.638	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Invasive procedure related to index event : No invasive procedure	reference	reference	reference	reference	reference	reference
Invasive procedure related to index event : Coronary angiography only	-0.309	0.06	0.734	0.653	0.825	<0.001
Invasive procedure related to index event : PCI	-0.563	0.05	0.569	0.516	0.628	<0.001
Invasive procedure related to index event : CABG	-1.11	0.113	0.33	0.264	0.411	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Heart failure : No	reference	reference	reference	reference	reference	reference
Heart failure : Yes	0.516	0.042	1.675	1.544	1.818	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Hypertension : No	reference	reference	reference	reference	reference	reference
Hypertension : Yes	0.534	0.198	1.705	1.158	2.512	0.007

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Unstable angina pectoris : No	reference	reference	reference	reference	reference	reference
Unstable angina pectoris : Yes	0.205	0.056	1.228	1.1	1.37	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Transient ischemic attack : No	reference	reference	reference	reference	reference	reference
Transient ischemic attack : Yes	0.251	0.082	1.285	1.095	1.509	0.003

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Major bleedings : No	reference	reference	reference	reference	reference	reference
Major bleedings : Yes	0.313	0.061	1.368	1.214	1.541	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Arrhythmia : No	reference	reference	reference	reference	reference	reference
Arrhythmia : Yes	0.284	0.042	1.328	1.224	1.441	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Atrial fibrillation : No	reference	reference	reference	reference	reference	reference
Atrial fibrillation : Yes	0.313	0.045	1.368	1.253	1.493	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Bleeding disorder : No	reference	reference	reference	reference	reference	reference
Bleeding disorder : Yes	0.81	0.237	2.249	1.412	3.582	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Other acute ischaemic heart diseases : No	reference	reference	reference	reference	reference	reference
Other acute ischaemic heart diseases : Yes	0.379	0.219	1.46	0.95	2.244	0.104

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Diabetes mellitus : No	reference	reference	reference	reference	reference	reference
Diabetes mellitus : Yes	0.482	0.069	1.62	1.415	1.854	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Severe renal failure requiring dialysis : No	reference	reference	reference	reference	reference	reference
Severe renal failure requiring dialysis : Yes	1.051	0.267	2.86	1.694	4.828	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
COPD : No	reference	reference	reference	reference	reference	reference
COPD : Yes	0.485	0.079	1.624	1.391	1.897	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Cancer : No	reference	reference	reference	reference	reference	reference
Cancer : Yes	0.211	0.063	1.235	1.092	1.397	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Nitrate : No	reference	reference	reference	reference	reference	reference
Nitrate : Yes	0.547	0.041	1.728	1.595	1.872	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
LMWH : No	reference	reference	reference	reference	reference	reference
LMWH : Yes	0.516	0.225	1.675	1.079	2.601	0.022

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Proton pump inhibitor : No	reference	reference	reference	reference	reference	reference
Proton pump inhibitor : Yes	0.272	0.041	1.312	1.211	1.421	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
NSAID : No	reference	reference	reference	reference	reference	reference
NSAID : Yes	0.214	0.092	1.238	1.033	1.484	0.021

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Bleeding disorder : No	reference	reference	reference	reference	reference	reference
Bleeding disorder : Yes	0.81	0.237	2.249	1.412	3.582	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Intracranial bleeding : No	reference	reference	reference	reference	reference	reference
Intracranial bleeding : Yes	0.243	0.14	1.274	0.968	1.678	0.087

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Central nervous tumour : No	reference	reference	reference	reference	reference	reference
Central nervous tumour : Yes	1.278	0.501	3.589	1.345	9.582	0.006

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Intracranial vascular abnormality : No	reference	reference	reference	reference	reference	reference
Intracranial vascular abnormality : Yes	0.512	0.194	1.669	1.141	2.442	0.01

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Gastrointestinal bleeding : No	reference	reference	reference	reference	reference	reference
Gastrointestinal bleeding : Yes	0.395	0.083	1.485	1.261	1.749	<0.001

Overall mortality

Table 2.233: The effect of pre-defined and explored risk factors on the risk of Overall mortality estimated using the Cox proportional hazards model in Group 2 . Table shows the hazard ratios (HRs) for several factors with the corresponding 95% CI and p-value. Only those explored risk factors that indicated 20% effect on the hazard of the outcome with $p \leq 0.15$ are presented. Drug use and comorbidities variables are time dependant.

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Sex : Male	reference	reference	reference	reference	reference	reference
Sex : Female	-0.141	0.034	0.868	0.812	0.928	<0.001
Diabetes with ongoing medication : No	reference	reference	reference	reference	reference	reference
Diabetes with ongoing medication : Yes	0.035	0.039	1.036	0.959	1.118	0.391
Multivessel CAD : No	reference	reference	reference	reference	reference	reference
Multivessel CAD : Yes	0.452	0.033	1.572	1.473	1.677	<0.001
Chronic renal dysfunction : No	reference	reference	reference	reference	reference	reference
Chronic renal dysfunction : Yes	1.16	0.058	3.191	2.849	3.573	<0.001
Ischaemic stroke : No	reference	reference	reference	reference	reference	reference
Ischaemic stroke : Yes	0.629	0.048	1.876	1.707	2.061	<0.001
≥ 1 MI in addition to index MI : No	reference	reference	reference	reference	reference	reference
≥ 1 MI in addition to index MI : Yes	0.359	0.054	1.432	1.288	1.593	<0.001
Age at 1 year baseline check (years) : 18-49	reference	reference	reference	reference	reference	reference
Age at 1 year baseline check (years) : 50-64	0.883	0.209	2.417	1.606	3.638	<0.001
Age at 1 year baseline check (years) : 65-69	1.422	0.212	4.144	2.736	6.278	<0.001
Age at 1 year baseline check (years) : 70-74	1.798	0.207	6.039	4.022	9.069	<0.001
Age at 1 year baseline check (years) : 75-79	2.248	0.205	9.469	6.34	14.142	<0.001
Age at 1 year baseline check (years) : 80-84	2.693	0.203	14.769	9.911	22.006	<0.001
Age at 1 year baseline check (years) : 85 and over	3.371	0.202	29.117	19.58	43.301	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Type of index MI : Non-ST elevation MI (and unspecified MI)	reference	reference	reference	reference	reference	reference
Type of index MI : ST elevation MI	-0.382	0.039	0.682	0.632	0.737	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
PCI or CABG related to index event : No	reference	reference	reference	reference	reference	reference
PCI or CABG related to index event : Yes	-0.895	0.044	0.409	0.375	0.445	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Invasive procedure related to index event : No invasive procedure	reference	reference	reference	reference	reference	reference
Invasive procedure related to index event : Coronary angiography only	-0.864	0.06	0.422	0.375	0.474	<0.001
Invasive procedure related to index event : PCI	-1.107	0.049	0.331	0.3	0.364	<0.001
Invasive procedure related to index event : CABG	-1.138	0.095	0.32	0.266	0.386	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Index year : 2009	reference	reference	reference	reference	reference	reference
Index year : 2010	0.047	0.04	1.048	0.97	1.133	0.248
Index year : 2011	-0.07	0.048	0.933	0.849	1.025	0.154
Index year : 2012	-0.237	0.075	0.789	0.681	0.914	0.002

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Heart failure : No	reference	reference	reference	reference	reference	reference
Heart failure : Yes	1.128	0.035	3.089	2.886	3.307	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Hyperlipidemia : No	reference	reference	reference	reference	reference	reference
Hyperlipidemia : Yes	-0.754	0.04	0.471	0.436	0.509	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Stroke (Total) : No	reference	reference	reference	reference	reference	reference
Stroke (Total) : Yes	1.199	0.12	3.317	2.621	4.198	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Haemorrhagic stroke : No	reference	reference	reference	reference	reference	reference
Haemorrhagic stroke : Yes	1.099	0.11	3	2.417	3.723	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Other stroke (not sub-classified) : No	reference	reference	reference	reference	reference	reference
Other stroke (not sub-classified) : Yes	0.93	0.318	2.536	1.36	4.728	0.028

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Major bleedings : No	reference	reference	reference	reference	reference	reference

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Major bleedings : Yes	0.631	0.044	1.88	1.726	2.048	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Arrhythmia : No	reference	reference	reference	reference	reference	reference
Arrhythmia : Yes	0.523	0.033	1.687	1.58	1.802	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Atrial fibrillation : No	reference	reference	reference	reference	reference	reference
Atrial fibrillation : Yes	0.537	0.035	1.711	1.598	1.832	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Bleeding disorder : No	reference	reference	reference	reference	reference	reference
Bleeding disorder : Yes	0.951	0.168	2.589	1.862	3.6	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Other acute ischaemic heart diseases : No	reference	reference	reference	reference	reference	reference
Other acute ischaemic heart diseases : Yes	0.382	0.178	1.465	1.035	2.075	0.052

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Diabetes mellitus : No	reference	reference	reference	reference	reference	reference
Diabetes mellitus : Yes	0.821	0.048	2.273	2.069	2.498	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Severe liver disease : No	reference	reference	reference	reference	reference	reference
Severe liver disease : Yes	1.365	0.147	3.914	2.933	5.224	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Severe renal failure requiring dialysis : No	reference	reference	reference	reference	reference	reference
Severe renal failure requiring dialysis : Yes	1.052	0.193	2.862	1.962	4.175	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
COPD : No	reference	reference	reference	reference	reference	reference
COPD : Yes	1.025	0.053	2.787	2.511	3.092	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Dementia/Alzheimer's disease : No	reference	reference	reference	reference	reference	reference
Dementia/Alzheimer's disease : Yes	0.811	0.042	2.251	2.072	2.445	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Cancer : No	reference	reference	reference	reference	reference	reference
Cancer : Yes	0.975	0.039	2.652	2.455	2.865	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
ARB : No	reference	reference	reference	reference	reference	reference
ARB : Yes	-0.559	0.049	0.572	0.52	0.629	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
ACE inhibitor : No	reference	reference	reference	reference	reference	reference
ACE inhibitor : Yes	-0.365	0.036	0.694	0.646	0.745	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Beta-blocker : No	reference	reference	reference	reference	reference	reference
Beta-blocker : Yes	-0.552	0.033	0.576	0.539	0.615	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Calcium channel blocker : No	reference	reference	reference	reference	reference	reference
Calcium channel blocker : Yes	-0.442	0.045	0.643	0.589	0.702	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
LMWH : No	reference	reference	reference	reference	reference	reference
LMWH : Yes	1.546	0.113	4.695	3.765	5.853	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Proton pump inhibitor : No	reference	reference	reference	reference	reference	reference
Proton pump inhibitor : Yes	0.456	0.033	1.578	1.478	1.685	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Statin : No	reference	reference	reference	reference	reference	reference
Statin : Yes	-0.777	0.034	0.46	0.43	0.491	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
SSRI : No	reference	reference	reference	reference	reference	reference
SSRI : Yes	0.186	0.061	1.204	1.068	1.356	0.004

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Use of OAP : No	reference	reference	reference	reference	reference	reference
Use of OAP : Yes	-0.23	0.054	0.794	0.714	0.884	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Bleeding disorder : No	reference	reference	reference	reference	reference	reference
Bleeding disorder : Yes	0.951	0.168	2.589	1.862	3.6	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Intracranial bleeding : No	reference	reference	reference	reference	reference	reference
Intracranial bleeding : Yes	0.912	0.078	2.49	2.137	2.901	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Central nervous tumour : No	reference	reference	reference	reference	reference	reference
Central nervous tumour : Yes	1.765	0.261	5.839	3.5	9.742	0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Intracranial vascular abnormality : No	reference	reference	reference	reference	reference	reference
Intracranial vascular abnormality : Yes	0.59	0.156	1.804	1.33	2.448	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Gastrointestinal bleeding : No	reference	reference	reference	reference	reference	reference
Gastrointestinal bleeding : Yes	0.713	0.057	2.039	1.823	2.281	<0.001

2.1.3 Explored risk factors for group 3

Myocardial infarction

Table 2.268: The effect of pre-defined and explored risk factors on the risk of Myocardial infarction estimated using the Cox proportional hazards model in Group 3 . Table shows the hazard ratios (HRs) for several factors with the corresponding 95% CI and p-value. Only those explored risk factors that indicated 20% effect on the hazard of the outcome with $p \leq 0.15$ are presented. Drug use and comorbidities variables are time dependant.

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Sex : Male	reference	reference	reference	reference	reference	reference
Sex : Female	-0.019	0.052	0.981	0.885	1.087	0.713
Diabetes with ongoing medication : No	reference	reference	reference	reference	reference	reference
Diabetes with ongoing medication : Yes	0.43	0.054	1.538	1.385	1.708	<0.001
Multivessel CAD : No	reference	reference	reference	reference	reference	reference
Multivessel CAD : Yes	0.268	0.051	1.307	1.182	1.446	<0.001
Chronic renal dysfunction : No	reference	reference	reference	reference	reference	reference
Chronic renal dysfunction : Yes	0.628	0.11	1.874	1.51	2.326	<0.001
Ischaemic stroke : No	reference	reference	reference	reference	reference	reference
Ischaemic stroke : Yes	0.312	0.085	1.366	1.158	1.613	<0.001
≥ 1 MI in addition to index MI : No	reference	reference	reference	reference	reference	reference
≥ 1 MI in addition to index MI : Yes	0.659	0.077	1.932	1.661	2.248	<0.001
Age at 1 year baseline check (years) : 18-49	reference	reference	reference	reference	reference	reference
Age at 1 year baseline check (years) : 50-64	0.093	0.221	1.097	0.712	1.692	0.675
Age at 1 year baseline check (years) : 65-69	0.168	0.224	1.183	0.763	1.833	0.454
Age at 1 year baseline check (years) : 70-74	0.386	0.219	1.472	0.959	2.259	0.079
Age at 1 year baseline check (years) : 75-79	0.74	0.214	2.096	1.378	3.19	<0.001
Age at 1 year baseline check (years) : 80-84	1.11	0.212	3.034	2.001	4.601	<0.001
Age at 1 year baseline check (years) : 85 and over	1.594	0.211	4.926	3.256	7.452	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Type of index MI : Non-ST elevation MI (and unspecified MI)	reference	reference	reference	reference	reference	reference
Type of index MI : ST elevation MI	-0.431	0.06	0.65	0.578	0.731	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
PCI or CABG related to index event : No	reference	reference	reference	reference	reference	reference
PCI or CABG related to index event : Yes	-0.61	0.061	0.543	0.482	0.612	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Invasive procedure related to index event : No invasive procedure	reference	reference	reference	reference	reference	reference
Invasive procedure related to index event : Coronary angiography only	-0.267	0.077	0.765	0.658	0.891	<0.001
Invasive procedure related to index event : PCI	-0.56	0.066	0.571	0.502	0.649	<0.001
Invasive procedure related to index event : CABG	-1.71	0.194	0.181	0.124	0.265	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Heart failure : No	reference	reference	reference	reference	reference	reference
Heart failure : Yes	0.493	0.053	1.638	1.476	1.817	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Hypertension : No	reference	reference	reference	reference	reference	reference
Hypertension : Yes	0.65	0.29	1.916	1.085	3.386	0.025

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Unstable angina pectoris : No	reference	reference	reference	reference	reference	reference
Unstable angina pectoris : Yes	0.196	0.072	1.217	1.056	1.402	0.007

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Transient ischemic attack : No	reference	reference	reference	reference	reference	reference
Transient ischemic attack : Yes	0.255	0.104	1.291	1.053	1.582	0.016

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Major bleedings : No	reference	reference	reference	reference	reference	reference
Major bleedings : Yes	0.223	0.08	1.25	1.069	1.462	0.007

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Bleeding disorder : No	reference	reference	reference	reference	reference	reference
Bleeding disorder : Yes	0.645	0.318	1.906	1.022	3.557	0.035

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Diabetes mellitus : No	reference	reference	reference	reference	reference	reference
Diabetes mellitus : Yes	0.399	0.092	1.49	1.243	1.785	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Severe renal failure requiring dialysis : No	reference	reference	reference	reference	reference	reference
Severe renal failure requiring dialysis : Yes	1.165	0.313	3.207	1.738	5.919	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
COPD : No	reference	reference	reference	reference	reference	reference
COPD : Yes	0.436	0.104	1.546	1.262	1.895	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Cancer : No	reference	reference	reference	reference	reference	reference
Cancer : Yes	0.269	0.078	1.309	1.123	1.525	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Nitrate : No	reference	reference	reference	reference	reference	reference
Nitrate : Yes	0.845	0.054	2.329	2.094	2.591	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Proton pump inhibitor : No	reference	reference	reference	reference	reference	reference
Proton pump inhibitor : Yes	0.24	0.053	1.271	1.146	1.409	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
NSAID : No	reference	reference	reference	reference	reference	reference
NSAID : Yes	0.286	0.119	1.331	1.055	1.68	0.017

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Use of OAP : No	reference	reference	reference	reference	reference	reference
Use of OAP : Yes	0.31	0.069	1.363	1.191	1.56	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Bleeding disorder : No	reference	reference	reference	reference	reference	reference
Bleeding disorder : Yes	0.645	0.318	1.906	1.022	3.557	0.035

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Gastrointestinal bleeding : No	reference	reference	reference	reference	reference	reference
Gastrointestinal bleeding : Yes	0.315	0.109	1.37	1.106	1.697	0.006

Stroke (total)

Table 2.288: The effect of pre-defined and explored risk factors on the risk of Stroke (total) estimated using the Cox proportional hazards model in Group 3 . Table shows the hazard ratios (HRs) for several factors with the corresponding 95% CI and p-value. Only those explored risk factors that indicated 20% effect on the hazard of the outcome with $p \leq 0.15$ are presented. Drug use and comorbidities variables are time dependant.

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Sex : Male	reference	reference	reference	reference	reference	reference
Sex : Female	-0.056	0.077	0.945	0.813	1.1	0.462
Diabetes with ongoing medication : No	reference	reference	reference	reference	reference	reference
Diabetes with ongoing medication : Yes	0.189	0.083	1.208	1.027	1.422	0.024
Multivessel CAD : No	reference	reference	reference	reference	reference	reference
Multivessel CAD : Yes	0.205	0.077	1.227	1.055	1.427	0.008
Chronic renal dysfunction : No	reference	reference	reference	reference	reference	reference
Chronic renal dysfunction : Yes	0.316	0.193	1.372	0.939	2.004	0.112
Ischaemic stroke : No	reference	reference	reference	reference	reference	reference
Ischaemic stroke : Yes	1.391	0.094	4.019	3.34	4.837	<0.001
≥ 1 MI in addition to index MI : No	reference	reference	reference	reference	reference	reference
≥ 1 MI in addition to index MI : Yes	0.28	0.131	1.324	1.025	1.71	0.037
Age at 1 year baseline check (years) : 18-49	reference	reference	reference	reference	reference	reference
Age at 1 year baseline check (years) : 50-64	0.213	0.405	1.238	0.56	2.736	0.6
Age at 1 year baseline check (years) : 65-69	0.701	0.398	2.015	0.923	4.399	0.081
Age at 1 year baseline check (years) : 70-74	1.045	0.391	2.844	1.321	6.122	0.008
Age at 1 year baseline check (years) : 75-79	1.208	0.389	3.348	1.563	7.173	0.002
Age at 1 year baseline check (years) : 80-84	1.392	0.389	4.023	1.879	8.615	<0.001
Age at 1 year baseline check (years) : 85 and over	1.75	0.387	5.754	2.692	12.296	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
PCI or CABG related to index event : No	reference	reference	reference	reference	reference	reference
PCI or CABG related to index event : Yes	-0.389	0.086	0.678	0.572	0.803	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Invasive procedure related to index event : No invasive procedure	reference	reference	reference	reference	reference	reference
Invasive procedure related to index event : Coronary angiography only	-0.268	0.116	0.765	0.609	0.961	0.022
Invasive procedure related to index event : PCI	-0.484	0.098	0.616	0.508	0.747	<0.001
Invasive procedure related to index event : CABG	-0.411	0.166	0.663	0.479	0.917	0.013

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Heart failure : No	reference	reference	reference	reference	reference	reference
Heart failure : Yes	0.342	0.08	1.407	1.203	1.646	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Stroke (Total) : No	reference	reference	reference	reference	reference	reference
Stroke (Total) : Yes	0.706	0.45	2.026	0.839	4.891	0.118

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Other stroke (not sub-classified) : No	reference	reference	reference	reference	reference	reference
Other stroke (not sub-classified) : Yes	-12.423	500.101	0	0	Inf	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Transient ischemic attack : No	reference	reference	reference	reference	reference	reference
Transient ischemic attack : Yes	0.394	0.138	1.482	1.13	1.944	0.007

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Major bleedings : No	reference	reference	reference	reference	reference	reference
Major bleedings : Yes	0.281	0.116	1.325	1.056	1.661	0.018

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Arrhythmia : No	reference	reference	reference	reference	reference	reference
Arrhythmia : Yes	0.458	0.077	1.581	1.36	1.84	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Atrial fibrillation : No	reference	reference	reference	reference	reference	reference
Atrial fibrillation : Yes	0.494	0.081	1.639	1.399	1.921	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Bleeding disorder : No	reference	reference	reference	reference	reference	reference
Bleeding disorder : Yes	0.821	0.451	2.273	0.94	5.5	0.078

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Other acute ischaemic heart diseases : No	reference	reference	reference	reference	reference	reference
Other acute ischaemic heart diseases : Yes	0.705	0.356	2.025	1.008	4.067	0.05

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Diabetes mellitus : No	reference	reference	reference	reference	reference	reference
Diabetes mellitus : Yes	0.33	0.136	1.391	1.066	1.814	0.016

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Severe liver disease : No	reference	reference	reference	reference	reference	reference
Severe liver disease : Yes	0.921	0.411	2.513	1.123	5.621	0.026

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Severe renal failure requiring dialysis : No	reference	reference	reference	reference	reference	reference
Severe renal failure requiring dialysis : Yes	1.165	0.542	3.205	1.107	9.276	0.031

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
COPD : No	reference	reference	reference	reference	reference	reference
COPD : Yes	0.251	0.164	1.285	0.932	1.772	0.127

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
NOAC : No	reference	reference	reference	reference	reference	reference
NOAC : Yes	-13.166	614.802	0	0	Inf	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Proton pump inhibitor : No	reference	reference	reference	reference	reference	reference
Proton pump inhibitor : Yes	0.38	0.077	1.462	1.257	1.7	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Statin : No	reference	reference	reference	reference	reference	reference
Statin : Yes	-0.249	0.078	0.779	0.67	0.907	0.002

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Bleeding disorder : No	reference	reference	reference	reference	reference	reference
Bleeding disorder : Yes	0.821	0.451	2.273	0.94	5.5	0.078

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Intracranial bleeding : No	reference	reference	reference	reference	reference	reference
Intracranial bleeding : Yes	0.434	0.233	1.543	0.977	2.437	0.071

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Central nervous tumour : No	reference	reference	reference	reference	reference	reference
Central nervous tumour : Yes	1.695	0.71	5.449	1.355	21.908	0.038

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Gastrointestinal bleeding : No	reference	reference	reference	reference	reference	reference
Gastrointestinal bleeding : Yes	0.522	0.15	1.685	1.255	2.263	<0.001

Cardiovascular mortality

Table 2.311: The effect of pre-defined and explored risk factors on the risk of Cardiovascular mortality estimated using the Cox proportional hazards model in Group 3 . Table shows the hazard ratios (HRs) for several factors with the corresponding 95% CI and p-value. Only those explored risk factors that indicated 20% effect on the hazard of the outcome with $p \leq 0.15$ are presented. Drug use and comorbidities variables are time dependant.

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Sex : Male	reference	reference	reference	reference	reference	reference
Sex : Female	0.06	0.07	1.062	0.925	1.219	0.407
Diabetes with ongoing medication : No	reference	reference	reference	reference	reference	reference
Diabetes with ongoing medication : Yes	0.276	0.075	1.318	1.137	1.528	<0.001
Multivessel CAD : No	reference	reference	reference	reference	reference	reference
Multivessel CAD : Yes	0.583	0.068	1.791	1.567	2.048	<0.001
Chronic renal dysfunction : No	reference	reference	reference	reference	reference	reference
Chronic renal dysfunction : Yes	1.035	0.122	2.816	2.219	3.573	<0.001
Ischaemic stroke : No	reference	reference	reference	reference	reference	reference
Ischaemic stroke : Yes	1.321	0.079	3.747	3.209	4.375	<0.001
≥ 1 MI in addition to index MI : No	reference	reference	reference	reference	reference	reference
≥ 1 MI in addition to index MI : Yes	0.567	0.1	1.762	1.449	2.144	<0.001
Age at 1 year baseline check (years) : 18-49	reference	reference	reference	reference	reference	reference
Age at 1 year baseline check (years) : 50-64	0.918	0.598	2.505	0.776	8.091	0.125
Age at 1 year baseline check (years) : 65-69	1.132	0.6	3.102	0.958	10.047	0.06
Age at 1 year baseline check (years) : 70-74	1.604	0.59	4.974	1.566	15.8	0.007
Age at 1 year baseline check (years) : 75-79	2.021	0.585	7.548	2.399	23.752	<0.001
Age at 1 year baseline check (years) : 80-84	2.56	0.583	12.93	4.127	40.509	<0.001
Age at 1 year baseline check (years) : 85 and over	3.245	0.581	25.653	8.21	80.156	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Type of index MI : Non-ST elevation MI (and unspecified MI)	reference	reference	reference	reference	reference	reference
Type of index MI : ST elevation MI	-0.357	0.083	0.7	0.595	0.824	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
PCI or CABG related to index event : No	reference	reference	reference	reference	reference	reference
PCI or CABG related to index event : Yes	-0.891	0.096	0.41	0.34	0.495	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Invasive procedure related to index event : No invasive procedure	reference	reference	reference	reference	reference	reference
Invasive procedure related to index event : Coronary angiography only	-0.641	0.121	0.527	0.416	0.668	<0.001
Invasive procedure related to index event : PCI	-1.03	0.106	0.357	0.29	0.439	<0.001
Invasive procedure related to index event : CABG	-1.112	0.213	0.329	0.217	0.5	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Index year : 2009	reference	reference	reference	reference	reference	reference
Index year : 2010	0.062	0.082	1.064	0.906	1.248	0.461
Index year : 2011	-0.132	0.099	0.877	0.721	1.065	0.189
Index year : 2012	-0.359	0.159	0.699	0.512	0.954	0.024

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Heart failure : No	reference	reference	reference	reference	reference	reference
Heart failure : Yes	1.132	0.072	3.102	2.693	3.572	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Hypertension : No	reference	reference	reference	reference	reference	reference
Hypertension : Yes	0.746	0.41	2.109	0.944	4.714	0.074

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Hyperlipidemia : No	reference	reference	reference	reference	reference	reference
Hyperlipidemia : Yes	-0.469	0.085	0.626	0.529	0.74	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Unstable angina pectoris : No	reference	reference	reference	reference	reference	reference
Unstable angina pectoris : Yes	0.353	0.094	1.424	1.184	1.713	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Stroke (Total) : No	reference	reference	reference	reference	reference	reference
Stroke (Total) : Yes	2.038	0.182	7.675	5.375	10.958	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Haemorrhagic stroke : No	reference	reference	reference	reference	reference	reference

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Haemorrhagic stroke : Yes	1.656	0.165	5.237	3.787	7.242	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Other stroke (not sub-classified) : No	reference	reference	reference	reference	reference	reference
Other stroke (not sub-classified) : Yes	1.541	0.383	4.668	2.202	9.894	0.002

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Major bleedings : No	reference	reference	reference	reference	reference	reference
Major bleedings : Yes	0.479	0.092	1.614	1.347	1.935	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Arrhythmia : No	reference	reference	reference	reference	reference	reference
Arrhythmia : Yes	0.578	0.069	1.782	1.558	2.038	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Atrial fibrillation : No	reference	reference	reference	reference	reference	reference
Atrial fibrillation : Yes	0.573	0.07	1.773	1.544	2.036	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Bleeding disorder : No	reference	reference	reference	reference	reference	reference
Bleeding disorder : Yes	0.703	0.381	2.02	0.957	4.265	0.101

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Diabetes mellitus : No	reference	reference	reference	reference	reference	reference
Diabetes mellitus : Yes	0.686	0.105	1.986	1.617	2.44	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Severe renal failure requiring dialysis : No	reference	reference	reference	reference	reference	reference
Severe renal failure requiring dialysis : Yes	1.315	0.378	3.726	1.776	7.818	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
COPD : No	reference	reference	reference	reference	reference	reference
COPD : Yes	0.689	0.127	1.992	1.551	2.557	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Dementia/Alzheimer's disease : No	reference	reference	reference	reference	reference	reference
Dementia/Alzheimer's disease : Yes	0.376	0.095	1.457	1.21	1.753	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
ARB : No	reference	reference	reference	reference	reference	reference
ARB : Yes	-0.452	0.096	0.636	0.527	0.768	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Nitrate : No	reference	reference	reference	reference	reference	reference
Nitrate : Yes	0.495	0.072	1.641	1.425	1.889	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
LMWH : No	reference	reference	reference	reference	reference	reference
LMWH : Yes	0.81	0.335	2.248	1.165	4.338	0.016

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Proton pump inhibitor : No	reference	reference	reference	reference	reference	reference
Proton pump inhibitor : Yes	0.317	0.069	1.373	1.198	1.573	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Statin : No	reference	reference	reference	reference	reference	reference
Statin : Yes	-0.363	0.07	0.695	0.606	0.798	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Bleeding disorder : No	reference	reference	reference	reference	reference	reference
Bleeding disorder : Yes	0.703	0.381	2.02	0.957	4.265	0.101

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Intracranial bleeding : No	reference	reference	reference	reference	reference	reference
Intracranial bleeding : Yes	1.077	0.143	2.937	2.219	3.887	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Intracranial vascular abnormality : No	reference	reference	reference	reference	reference	reference
Intracranial vascular abnormality : Yes	0.598	0.292	1.819	1.025	3.226	0.056

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Gastrointestinal bleeding : No	reference	reference	reference	reference	reference	reference
Gastrointestinal bleeding : Yes	0.517	0.124	1.676	1.316	2.136	<0.001

Composite end-point

Table 2.340: The effect of pre-defined and explored risk factors on the risk of Composite end-point estimated using the Cox proportional hazards model in Group 3 . Table shows the hazard ratios (HRs) for several factors with the corresponding 95% CI and p-value. Only those explored risk factors that indicated 20% effect on the hazard of the outcome with $p \leq 0.15$ are presented. Drug use and comorbidities variables are time dependant.

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Sex : Male	reference	reference	reference	reference	reference	reference
Sex : Female	-0.017	0.042	0.983	0.906	1.067	0.686
Diabetes with ongoing medication : No	reference	reference	reference	reference	reference	reference
Diabetes with ongoing medication : Yes	0.335	0.043	1.398	1.284	1.522	<0.001
Multivessel CAD : No	reference	reference	reference	reference	reference	reference
Multivessel CAD : Yes	0.255	0.041	1.291	1.191	1.399	<0.001
Chronic renal dysfunction : No	reference	reference	reference	reference	reference	reference
Chronic renal dysfunction : Yes	0.612	0.09	1.844	1.547	2.198	<0.001
Ischaemic stroke : No	reference	reference	reference	reference	reference	reference
Ischaemic stroke : Yes	0.672	0.065	1.958	1.725	2.222	<0.001
≥ 1 MI in addition to index MI : No	reference	reference	reference	reference	reference	reference
≥ 1 MI in addition to index MI : Yes	0.583	0.063	1.792	1.583	2.03	<0.001
Age at 1 year baseline check (years) : 18-49	reference	reference	reference	reference	reference	reference
Age at 1 year baseline check (years) : 50-64	0.162	0.19	1.176	0.81	1.707	0.397
Age at 1 year baseline check (years) : 65-69	0.367	0.191	1.443	0.993	2.096	0.056
Age at 1 year baseline check (years) : 70-74	0.623	0.187	1.864	1.293	2.688	<0.001
Age at 1 year baseline check (years) : 75-79	0.919	0.184	2.506	1.747	3.595	<0.001
Age at 1 year baseline check (years) : 80-84	1.238	0.183	3.45	2.41	4.939	<0.001
Age at 1 year baseline check (years) : 85 and over	1.709	0.182	5.526	3.867	7.897	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Type of index MI : Non-ST elevation MI (and unspecified MI)	reference	reference	reference	reference	reference	reference
Type of index MI : ST elevation MI	-0.303	0.046	0.739	0.675	0.809	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
PCI or CABG related to index event : No	reference	reference	reference	reference	reference	reference
PCI or CABG related to index event : Yes	-0.563	0.048	0.569	0.518	0.625	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Invasive procedure related to index event : No invasive procedure	reference	reference	reference	reference	reference	reference
Invasive procedure related to index event : Coronary angiography only	-0.318	0.063	0.727	0.643	0.822	<0.001
Invasive procedure related to index event : PCI	-0.584	0.053	0.558	0.503	0.618	<0.001
Invasive procedure related to index event : CABG	-1.092	0.116	0.335	0.267	0.421	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Heart failure : No	reference	reference	reference	reference	reference	reference
Heart failure : Yes	0.523	0.042	1.687	1.553	1.832	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Hypertension : No	reference	reference	reference	reference	reference	reference
Hypertension : Yes	0.545	0.215	1.724	1.132	2.626	0.012

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Unstable angina pectoris : No	reference	reference	reference	reference	reference	reference
Unstable angina pectoris : Yes	0.208	0.058	1.231	1.099	1.378	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Transient ischemic attack : No	reference	reference	reference	reference	reference	reference
Transient ischemic attack : Yes	0.251	0.083	1.285	1.093	1.51	0.004

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Major bleedings : No	reference	reference	reference	reference	reference	reference
Major bleedings : Yes	0.297	0.062	1.345	1.191	1.519	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Arrhythmia : No	reference	reference	reference	reference	reference	reference
Arrhythmia : Yes	0.279	0.043	1.322	1.217	1.437	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Atrial fibrillation : No	reference	reference	reference	reference	reference	reference
Atrial fibrillation : Yes	0.303	0.045	1.353	1.239	1.479	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Bleeding disorder : No	reference	reference	reference	reference	reference	reference
Bleeding disorder : Yes	0.83	0.238	2.293	1.44	3.653	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Other acute ischaemic heart diseases : No	reference	reference	reference	reference	reference	reference
Other acute ischaemic heart diseases : Yes	0.361	0.225	1.435	0.924	2.228	0.13

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Diabetes mellitus : No	reference	reference	reference	reference	reference	reference
Diabetes mellitus : Yes	0.453	0.071	1.574	1.369	1.809	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Severe renal failure requiring dialysis : No	reference	reference	reference	reference	reference	reference
Severe renal failure requiring dialysis : Yes	1.043	0.268	2.837	1.678	4.797	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
COPD : No	reference	reference	reference	reference	reference	reference
COPD : Yes	0.468	0.081	1.597	1.362	1.873	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Cancer : No	reference	reference	reference	reference	reference	reference
Cancer : Yes	0.208	0.064	1.232	1.087	1.396	0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Nitrate : No	reference	reference	reference	reference	reference	reference
Nitrate : Yes	0.536	0.042	1.709	1.574	1.855	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
LMWH : No	reference	reference	reference	reference	reference	reference
LMWH : Yes	0.51	0.23	1.666	1.061	2.617	0.027

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Proton pump inhibitor : No	reference	reference	reference	reference	reference	reference
Proton pump inhibitor : Yes	0.272	0.042	1.313	1.209	1.425	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
NSAID : No	reference	reference	reference	reference	reference	reference
NSAID : Yes	0.195	0.099	1.215	1.001	1.476	0.051

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Use of OAP : No	reference	reference	reference	reference	reference	reference
Use of OAP : Yes	0.197	0.058	1.218	1.088	1.363	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Bleeding disorder : No	reference	reference	reference	reference	reference	reference
Bleeding disorder : Yes	0.83	0.238	2.293	1.44	3.653	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Intracranial bleeding : No	reference	reference	reference	reference	reference	reference
Intracranial bleeding : Yes	0.223	0.145	1.25	0.941	1.659	0.127

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Central nervous tumour : No	reference	reference	reference	reference	reference	reference
Central nervous tumour : Yes	1.297	0.501	3.657	1.37	9.763	0.005

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Intracranial vascular abnormality : No	reference	reference	reference	reference	reference	reference
Intracranial vascular abnormality : Yes	0.507	0.198	1.661	1.127	2.448	0.012

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Gastrointestinal bleeding : No	reference	reference	reference	reference	reference	reference
Gastrointestinal bleeding : Yes	0.387	0.085	1.473	1.246	1.74	<0.001

Overall mortality

Table 2.367: The effect of pre-defined and explored risk factors on the risk of Overall mortality estimated using the Cox proportional hazards model in Group 3 . Table shows the hazard ratios (HRs) for several factors with the corresponding 95% CI and p-value. Only those explored risk factors that indicated 20% effect on the hazard of the outcome with $p \leq 0.15$ are presented. Drug use and comorbidities variables are time dependant.

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Sex : Male	reference	reference	reference	reference	reference	reference
Sex : Female	-0.146	0.034	0.864	0.808	0.924	<0.001
Diabetes with ongoing medication : No	reference	reference	reference	reference	reference	reference
Diabetes with ongoing medication : Yes	0.023	0.039	1.023	0.947	1.105	0.582
Multivessel CAD : No	reference	reference	reference	reference	reference	reference
Multivessel CAD : Yes	0.433	0.034	1.542	1.443	1.647	<0.001
Chronic renal dysfunction : No	reference	reference	reference	reference	reference	reference
Chronic renal dysfunction : Yes	1.154	0.058	3.172	2.832	3.554	<0.001
Ischaemic stroke : No	reference	reference	reference	reference	reference	reference
Ischaemic stroke : Yes	0.617	0.048	1.854	1.686	2.038	<0.001
≥ 1 MI in addition to index MI : No	reference	reference	reference	reference	reference	reference
≥ 1 MI in addition to index MI : Yes	0.361	0.054	1.435	1.29	1.596	<0.001
Age at 1 year baseline check (years) : 18-49	reference	reference	reference	reference	reference	reference
Age at 1 year baseline check (years) : 50-64	1.231	0.343	3.426	1.75	6.705	<0.001
Age at 1 year baseline check (years) : 65-69	1.684	0.341	5.389	2.763	10.508	<0.001
Age at 1 year baseline check (years) : 70-74	2.061	0.338	7.856	4.05	15.237	<0.001
Age at 1 year baseline check (years) : 75-79	2.512	0.336	12.333	6.38	23.839	<0.001
Age at 1 year baseline check (years) : 80-84	2.957	0.336	19.234	9.964	37.129	<0.001
Age at 1 year baseline check (years) : 85 and over	3.635	0.335	37.911	19.66	73.104	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Type of index MI : Non-ST elevation MI (and unspecified MI)	reference	reference	reference	reference	reference	reference
Type of index MI : ST elevation MI	-0.38	0.04	0.684	0.632	0.74	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
PCI or CABG related to index event : No	reference	reference	reference	reference	reference	reference
PCI or CABG related to index event : Yes	-0.886	0.045	0.412	0.377	0.45	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Invasive procedure related to index event : No invasive procedure	reference	reference	reference	reference	reference	reference
Invasive procedure related to index event : Coronary angiography only	-0.852	0.062	0.427	0.378	0.482	<0.001
Invasive procedure related to index event : PCI	-1.081	0.05	0.339	0.308	0.374	<0.001
Invasive procedure related to index event : CABG	-1.113	0.097	0.329	0.271	0.398	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Heart failure : No	reference	reference	reference	reference	reference	reference
Heart failure : Yes	1.128	0.035	3.089	2.884	3.309	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Hyperlipidemia : No	reference	reference	reference	reference	reference	reference
Hyperlipidemia : Yes	-0.725	0.04	0.484	0.448	0.524	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Stroke (Total) : No	reference	reference	reference	reference	reference	reference
Stroke (Total) : Yes	1.186	0.122	3.273	2.577	4.157	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Haemorrhagic stroke : No	reference	reference	reference	reference	reference	reference
Haemorrhagic stroke : Yes	1.09	0.111	2.974	2.391	3.701	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Other stroke (not sub-classified) : No	reference	reference	reference	reference	reference	reference
Other stroke (not sub-classified) : Yes	0.933	0.318	2.543	1.364	4.742	0.027

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Major bleedings : No	reference	reference	reference	reference	reference	reference
Major bleedings : Yes	0.604	0.044	1.83	1.678	1.995	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Arrhythmia : No	reference	reference	reference	reference	reference	reference
Arrhythmia : Yes	0.519	0.034	1.681	1.573	1.796	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Atrial fibrillation : No	reference	reference	reference	reference	reference	reference
Atrial fibrillation : Yes	0.533	0.035	1.705	1.592	1.826	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Bleeding disorder : No	reference	reference	reference	reference	reference	reference
Bleeding disorder : Yes	0.925	0.171	2.522	1.806	3.524	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Other acute ischaemic heart diseases : No	reference	reference	reference	reference	reference	reference
Other acute ischaemic heart diseases : Yes	0.33	0.183	1.39	0.97	1.992	0.101

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Diabetes mellitus : No	reference	reference	reference	reference	reference	reference
Diabetes mellitus : Yes	0.807	0.049	2.241	2.037	2.466	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Severe liver disease : No	reference	reference	reference	reference	reference	reference
Severe liver disease : Yes	1.333	0.152	3.793	2.815	5.111	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Severe renal failure requiring dialysis : No	reference	reference	reference	reference	reference	reference
Severe renal failure requiring dialysis : Yes	1.058	0.193	2.88	1.972	4.204	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
COPD : No	reference	reference	reference	reference	reference	reference
COPD : Yes	1.009	0.054	2.743	2.468	3.049	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Dementia/Alzheimer's disease : No	reference	reference	reference	reference	reference	reference
Dementia/Alzheimer's disease : Yes	0.808	0.042	2.243	2.065	2.437	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Cancer : No	reference	reference	reference	reference	reference	reference
Cancer : Yes	0.92	0.04	2.508	2.318	2.714	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
ARB : No	reference	reference	reference	reference	reference	reference
ARB : Yes	-0.567	0.05	0.567	0.515	0.625	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
ACE inhibitor : No	reference	reference	reference	reference	reference	reference
ACE inhibitor : Yes	-0.346	0.037	0.708	0.658	0.761	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Beta-blocker : No	reference	reference	reference	reference	reference	reference
Beta-blocker : Yes	-0.539	0.034	0.583	0.546	0.624	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Calcium channel blocker : No	reference	reference	reference	reference	reference	reference
Calcium channel blocker : Yes	-0.452	0.046	0.636	0.582	0.696	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
LMWH : No	reference	reference	reference	reference	reference	reference
LMWH : Yes	1.507	0.116	4.512	3.594	5.665	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Proton pump inhibitor : No	reference	reference	reference	reference	reference	reference
Proton pump inhibitor : Yes	0.433	0.034	1.542	1.443	1.648	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Statin : No	reference	reference	reference	reference	reference	reference
Statin : Yes	-0.743	0.034	0.476	0.445	0.509	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
SSRI : No	reference	reference	reference	reference	reference	reference
SSRI : Yes	0.193	0.061	1.213	1.076	1.369	0.003

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Use of OAP : No	reference	reference	reference	reference	reference	reference
Use of OAP : Yes	-0.224	0.055	0.799	0.717	0.89	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Bleeding disorder : No	reference	reference	reference	reference	reference	reference
Bleeding disorder : Yes	0.925	0.171	2.522	1.806	3.524	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Intracranial bleeding : No	reference	reference	reference	reference	reference	reference
Intracranial bleeding : Yes	0.906	0.079	2.473	2.119	2.887	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Central nervous tumour : No	reference	reference	reference	reference	reference	reference
Central nervous tumour : Yes	1.628	0.28	5.095	2.943	8.823	0.003

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Intracranial vascular abnormality : No	reference	reference	reference	reference	reference	reference
Intracranial vascular abnormality : Yes	0.606	0.156	1.834	1.351	2.488	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Gastrointestinal bleeding : No	reference	reference	reference	reference	reference	reference
Gastrointestinal bleeding : Yes	0.68	0.058	1.974	1.76	2.213	<0.001

2.1.4 Explored risk factors for group 4

Myocardial infarction

Table 2.401: The effect of pre-defined and explored risk factors on the risk of Myocardial infarction estimated using the Cox proportional hazards model in Group 4 . Table shows the hazard ratios (HRs) for several factors with the corresponding 95% CI and p-value. Only those explored risk factors that indicated 20% effect on the hazard of the outcome with $p \leq 0.15$ are presented. Drug use and comorbidities variables are time dependant.

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Sex : Male	reference	reference	reference	reference	reference	reference
Sex : Female	0	0.056	1	0.895	1.116	0.993
Diabetes with ongoing medication : No	reference	reference	reference	reference	reference	reference
Diabetes with ongoing medication : Yes	0.43	0.058	1.538	1.372	1.723	<0.001
Multivessel CAD : No	reference	reference	reference	reference	reference	reference
Multivessel CAD : Yes	0.249	0.055	1.283	1.151	1.43	<0.001
Chronic renal dysfunction : No	reference	reference	reference	reference	reference	reference
Chronic renal dysfunction : Yes	0.634	0.118	1.886	1.497	2.377	<0.001
Ischaemic stroke : No	reference	reference	reference	reference	reference	reference
Ischaemic stroke : Yes	0.267	0.096	1.307	1.082	1.578	0.006
≥ 1 MI in addition to index MI : No	reference	reference	reference	reference	reference	reference
≥ 1 MI in addition to index MI : Yes	0.71	0.082	2.034	1.73	2.39	<0.001
Age at 1 year baseline check (years) : 18-49	reference	reference	reference	reference	reference	reference
Age at 1 year baseline check (years) : 50-64	0.134	0.231	1.143	0.727	1.797	0.563
Age at 1 year baseline check (years) : 65-69	0.228	0.234	1.256	0.795	1.986	0.33
Age at 1 year baseline check (years) : 70-74	0.401	0.23	1.494	0.952	2.343	0.082
Age at 1 year baseline check (years) : 75-79	0.775	0.225	2.17	1.396	3.37	<0.001
Age at 1 year baseline check (years) : 80-84	1.175	0.223	3.237	2.092	5.007	<0.001
Age at 1 year baseline check (years) : 85 and over	1.655	0.221	5.233	3.392	8.072	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Type of index MI : Non-ST elevation MI (and unspecified MI)	reference	reference	reference	reference	reference	reference
Type of index MI : ST elevation MI	-0.438	0.064	0.645	0.569	0.732	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
PCI or CABG related to index event : No	reference	reference	reference	reference	reference	reference
PCI or CABG related to index event : Yes	-0.638	0.065	0.528	0.465	0.6	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Invasive procedure related to index event : No invasive procedure	reference	reference	reference	reference	reference	reference
Invasive procedure related to index event : Coronary angiography only	-0.265	0.083	0.767	0.651	0.903	0.002
Invasive procedure related to index event : PCI	-0.597	0.07	0.55	0.48	0.632	<0.001
Invasive procedure related to index event : CABG	-1.782	0.219	0.168	0.11	0.258	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Heart failure : No	reference	reference	reference	reference	reference	reference
Heart failure : Yes	0.533	0.058	1.705	1.521	1.91	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Hypertension : No	reference	reference	reference	reference	reference	reference
Hypertension : Yes	0.639	0.291	1.894	1.072	3.347	0.028

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Transient ischemic attack : No	reference	reference	reference	reference	reference	reference
Transient ischemic attack : Yes	0.307	0.112	1.359	1.09	1.694	0.007

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Major bleedings : No	reference	reference	reference	reference	reference	reference
Major bleedings : Yes	0.252	0.087	1.286	1.084	1.525	0.006

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Bleeding disorder : No	reference	reference	reference	reference	reference	reference
Bleeding disorder : Yes	0.781	0.319	2.184	1.17	4.077	0.011

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Diabetes mellitus : No	reference	reference	reference	reference	reference	reference
Diabetes mellitus : Yes	0.442	0.098	1.555	1.284	1.883	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Severe renal failure requiring dialysis : No	reference	reference	reference	reference	reference	reference
Severe renal failure requiring dialysis : Yes	1.153	0.328	3.168	1.666	6.023	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
COPD : No	reference	reference	reference	reference	reference	reference
COPD : Yes	0.351	0.114	1.421	1.136	1.778	0.003

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Cancer : No	reference	reference	reference	reference	reference	reference
Cancer : Yes	0.295	0.083	1.343	1.141	1.581	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Antithrombotic medication : No	reference	reference	reference	reference	reference	reference
Antithrombotic medication : Yes	0.233	0.061	1.263	1.12	1.424	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Nitrate : No	reference	reference	reference	reference	reference	reference
Nitrate : Yes	0.881	0.058	2.412	2.152	2.703	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
LMWH : No	reference	reference	reference	reference	reference	reference
LMWH : Yes	0.757	0.335	2.132	1.106	4.109	0.021

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
NOAC : No	reference	reference	reference	reference	reference	reference
NOAC : Yes	0.942	0.501	2.565	0.96	6.849	0.068

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Proton pump inhibitor : No	reference	reference	reference	reference	reference	reference
Proton pump inhibitor : Yes	0.245	0.057	1.278	1.142	1.429	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
NSAID : No	reference	reference	reference	reference	reference	reference
NSAID : Yes	0.285	0.121	1.33	1.05	1.685	0.019

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Use of OAP : No	reference	reference	reference	reference	reference	reference
Use of OAP : Yes	0.293	0.071	1.341	1.165	1.542	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Bleeding disorder : No	reference	reference	reference	reference	reference	reference
Bleeding disorder : Yes	0.781	0.319	2.184	1.17	4.077	0.011

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Gastrointestinal bleeding : No	reference	reference	reference	reference	reference	reference
Gastrointestinal bleeding : Yes	0.325	0.118	1.384	1.099	1.743	0.009

Stroke (total)

Table 2.423: The effect of pre-defined and explored risk factors on the risk of Stroke (total) estimated using the Cox proportional hazards model in Group 4 . Table shows the hazard ratios (HRs) for several factors with the corresponding 95% CI and p-value. Only those explored risk factors that indicated 20% effect on the hazard of the outcome with $p \leq 0.15$ are presented. Drug use and comorbidities variables are time dependant.

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Sex : Male	reference	reference	reference	reference	reference	reference
Sex : Female	-0.012	0.084	0.988	0.838	1.165	0.886
Diabetes with ongoing medication : No	reference	reference	reference	reference	reference	reference
Diabetes with ongoing medication : Yes	0.21	0.091	1.234	1.033	1.473	0.022
Multivessel CAD : No	reference	reference	reference	reference	reference	reference
Multivessel CAD : Yes	0.226	0.083	1.253	1.064	1.476	0.008
Chronic renal dysfunction : No	reference	reference	reference	reference	reference	reference
Chronic renal dysfunction : Yes	0.343	0.205	1.409	0.942	2.105	0.11
Ischaemic stroke : No	reference	reference	reference	reference	reference	reference
Ischaemic stroke : Yes	1.412	0.106	4.105	3.334	5.054	<0.001
≥ 1 MI in addition to index MI : No	reference	reference	reference	reference	reference	reference
≥ 1 MI in addition to index MI : Yes	0.383	0.137	1.467	1.12	1.92	0.007
Age at 1 year baseline check (years) : 18-49	reference	reference	reference	reference	reference	reference
Age at 1 year baseline check (years) : 50-64	0.351	0.435	1.421	0.606	3.331	0.421
Age at 1 year baseline check (years) : 65-69	0.833	0.429	2.3	0.992	5.333	0.054
Age at 1 year baseline check (years) : 70-74	1.094	0.423	2.987	1.303	6.848	0.01
Age at 1 year baseline check (years) : 75-79	1.307	0.42	3.694	1.62	8.42	0.002
Age at 1 year baseline check (years) : 80-84	1.463	0.42	4.317	1.894	9.842	<0.001
Age at 1 year baseline check (years) : 85 and over	1.88	0.419	6.554	2.885	14.888	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
PCI or CABG related to index event : No	reference	reference	reference	reference	reference	reference
PCI or CABG related to index event : Yes	-0.378	0.094	0.685	0.57	0.823	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Invasive procedure related to index event : No invasive procedure	reference	reference	reference	reference	reference	reference
Invasive procedure related to index event : Coronary angiography only	-0.402	0.131	0.669	0.517	0.866	0.002
Invasive procedure related to index event : PCI	-0.514	0.106	0.598	0.486	0.736	<0.001
Invasive procedure related to index event : CABG	-0.428	0.183	0.652	0.456	0.933	0.02

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Heart failure : No	reference	reference	reference	reference	reference	reference
Heart failure : Yes	0.368	0.089	1.445	1.215	1.72	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Stroke (Total) : No	reference	reference	reference	reference	reference	reference
Stroke (Total) : Yes	0.795	0.45	2.214	0.916	5.348	0.079

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Other stroke (not sub-classified) : No	reference	reference	reference	reference	reference	reference
Other stroke (not sub-classified) : Yes	-13.195	847.918	0	0	Inf	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Transient ischemic attack : No	reference	reference	reference	reference	reference	reference
Transient ischemic attack : Yes	0.452	0.151	1.572	1.17	2.112	0.004

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Major bleedings : No	reference	reference	reference	reference	reference	reference
Major bleedings : Yes	0.294	0.128	1.342	1.045	1.724	0.026

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Arrhythmia : No	reference	reference	reference	reference	reference	reference
Arrhythmia : Yes	0.561	0.088	1.753	1.475	2.083	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Atrial fibrillation : No	reference	reference	reference	reference	reference	reference
Atrial fibrillation : Yes	0.631	0.096	1.88	1.558	2.269	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Bleeding disorder : No	reference	reference	reference	reference	reference	reference
Bleeding disorder : Yes	0.954	0.452	2.595	1.071	6.291	0.044

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Other acute ischaemic heart diseases : No	reference	reference	reference	reference	reference	reference
Other acute ischaemic heart diseases : Yes	0.963	0.356	2.619	1.303	5.266	0.008

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Diabetes mellitus : No	reference	reference	reference	reference	reference	reference
Diabetes mellitus : Yes	0.364	0.146	1.439	1.082	1.915	0.013

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Severe liver disease : No	reference	reference	reference	reference	reference	reference
Severe liver disease : Yes	0.943	0.45	2.567	1.062	6.204	0.036

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Severe renal failure requiring dialysis : No	reference	reference	reference	reference	reference	reference
Severe renal failure requiring dialysis : Yes	1.256	0.548	3.51	1.199	10.281	0.023

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
NOAC : No	reference	reference	reference	reference	reference	reference
NOAC : Yes	-12.622	653.487	0	0	Inf	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Proton pump inhibitor : No	reference	reference	reference	reference	reference	reference
Proton pump inhibitor : Yes	0.433	0.084	1.542	1.309	1.817	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Bleeding disorder : No	reference	reference	reference	reference	reference	reference
Bleeding disorder : Yes	0.954	0.452	2.595	1.071	6.291	0.044

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Intracranial bleeding : No	reference	reference	reference	reference	reference	reference
Intracranial bleeding : Yes	0.474	0.247	1.607	0.991	2.605	0.06

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Central nervous tumour : No	reference	reference	reference	reference	reference	reference
Central nervous tumour : Yes	1.767	0.711	5.856	1.452	23.616	0.037

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Gastrointestinal bleeding : No	reference	reference	reference	reference	reference	reference
Gastrointestinal bleeding : Yes	0.571	0.161	1.77	1.29	2.428	<0.001

Cardiovascular mortality

Table 2.444: The effect of pre-defined and explored risk factors on the risk of Cardiovascular mortality estimated using the Cox proportional hazards model in Group 4 . Table shows the hazard ratios (HRs) for several factors with the corresponding 95% CI and p-value. Only those explored risk factors that indicated 20% effect on the hazard of the outcome with $p \leq 0.15$ are presented. Drug use and comorbidities variables are time dependant.

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Sex : Male	reference	reference	reference	reference	reference	reference
Sex : Female	0.099	0.078	1.104	0.948	1.285	0.216
Diabetes with ongoing medication : No	reference	reference	reference	reference	reference	reference
Diabetes with ongoing medication : Yes	0.338	0.082	1.401	1.192	1.647	<0.001
Multivessel CAD : No	reference	reference	reference	reference	reference	reference
Multivessel CAD : Yes	0.584	0.075	1.793	1.548	2.077	<0.001
Chronic renal dysfunction : No	reference	reference	reference	reference	reference	reference
Chronic renal dysfunction : Yes	0.975	0.136	2.652	2.033	3.46	<0.001
Ischaemic stroke : No	reference	reference	reference	reference	reference	reference
Ischaemic stroke : Yes	1.375	0.088	3.953	3.329	4.696	<0.001
≥ 1 MI in addition to index MI : No	reference	reference	reference	reference	reference	reference
≥ 1 MI in addition to index MI : Yes	0.594	0.11	1.81	1.46	2.245	<0.001
Age at 1 year baseline check (years) : 18-49	reference	reference	reference	reference	reference	reference
Age at 1 year baseline check (years) : 50-64	0.856	0.6	2.354	0.726	7.635	0.155
Age at 1 year baseline check (years) : 65-69	1.084	0.602	2.955	0.908	9.619	0.073
Age at 1 year baseline check (years) : 70-74	1.502	0.592	4.489	1.406	14.333	0.011
Age at 1 year baseline check (years) : 75-79	1.937	0.587	6.935	2.196	21.9	<0.001
Age at 1 year baseline check (years) : 80-84	2.499	0.584	12.168	3.875	38.212	<0.001
Age at 1 year baseline check (years) : 85 and over	3.156	0.582	23.467	7.496	73.467	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Type of index MI : Non-ST elevation MI (and unspecified MI)	reference	reference	reference	reference	reference	reference
Type of index MI : ST elevation MI	-0.429	0.092	0.651	0.544	0.78	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
PCI or CABG related to index event : No	reference	reference	reference	reference	reference	reference
PCI or CABG related to index event : Yes	-0.853	0.103	0.426	0.348	0.521	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Invasive procedure related to index event : No invasive procedure	reference	reference	reference	reference	reference	reference
Invasive procedure related to index event : Coronary angiography only	-0.67	0.135	0.511	0.392	0.667	<0.001
Invasive procedure related to index event : PCI	-1.01	0.113	0.364	0.292	0.455	<0.001
Invasive procedure related to index event : CABG	-1.023	0.229	0.359	0.23	0.563	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Index year : 2009	reference	reference	reference	reference	reference	reference
Index year : 2010	0.094	0.09	1.098	0.921	1.309	0.309
Index year : 2011	-0.111	0.11	0.895	0.722	1.11	0.316
Index year : 2012	-0.306	0.173	0.737	0.524	1.035	0.077

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Heart failure : No	reference	reference	reference	reference	reference	reference
Heart failure : Yes	1.258	0.079	3.519	3.011	4.112	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Hypertension : No	reference	reference	reference	reference	reference	reference
Hypertension : Yes	0.694	0.411	2.001	0.895	4.476	0.098

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Hyperlipidemia : No	reference	reference	reference	reference	reference	reference
Hyperlipidemia : Yes	-0.493	0.093	0.611	0.509	0.733	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Unstable angina pectoris : No	reference	reference	reference	reference	reference	reference
Unstable angina pectoris : Yes	0.294	0.105	1.342	1.092	1.649	0.006

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Stroke (Total) : No	reference	reference	reference	reference	reference	reference
Stroke (Total) : Yes	1.835	0.214	6.263	4.121	9.52	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Haemorrhagic stroke : No	reference	reference	reference	reference	reference	reference

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Haemorrhagic stroke : Yes	1.381	0.198	3.977	2.698	5.863	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Other stroke (not sub-classified) : No	reference	reference	reference	reference	reference	reference
Other stroke (not sub-classified) : Yes	1.565	0.416	4.784	2.116	10.818	0.006

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Major bleedings : No	reference	reference	reference	reference	reference	reference
Major bleedings : Yes	0.523	0.102	1.687	1.381	2.06	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Arrhythmia : No	reference	reference	reference	reference	reference	reference
Arrhythmia : Yes	0.643	0.077	1.902	1.634	2.214	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Atrial fibrillation : No	reference	reference	reference	reference	reference	reference
Atrial fibrillation : Yes	0.663	0.082	1.941	1.651	2.281	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Diabetes mellitus : No	reference	reference	reference	reference	reference	reference
Diabetes mellitus : Yes	0.7	0.115	2.015	1.607	2.526	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Severe renal failure requiring dialysis : No	reference	reference	reference	reference	reference	reference
Severe renal failure requiring dialysis : Yes	1.322	0.407	3.75	1.69	8.32	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
COPD : No	reference	reference	reference	reference	reference	reference
COPD : Yes	0.758	0.136	2.135	1.635	2.787	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Dementia/Alzheimer's disease : No	reference	reference	reference	reference	reference	reference
Dementia/Alzheimer's disease : Yes	0.411	0.102	1.508	1.236	1.841	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Cancer : No	reference	reference	reference	reference	reference	reference
Cancer : Yes	0.193	0.114	1.213	0.971	1.516	0.108

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
ARB : No	reference	reference	reference	reference	reference	reference
ARB : Yes	-0.543	0.109	0.581	0.469	0.72	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Nitrate : No	reference	reference	reference	reference	reference	reference
Nitrate : Yes	0.479	0.078	1.615	1.385	1.884	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Beta-blocker : No	reference	reference	reference	reference	reference	reference
Beta-blocker : Yes	-0.232	0.079	0.793	0.679	0.926	0.004

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Proton pump inhibitor : No	reference	reference	reference	reference	reference	reference
Proton pump inhibitor : Yes	0.363	0.076	1.438	1.239	1.67	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Statin : No	reference	reference	reference	reference	reference	reference
Statin : Yes	-0.319	0.077	0.727	0.625	0.845	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Fibrate : No	reference	reference	reference	reference	reference	reference
Fibrate : Yes	-12.904	539.194	0	0	Inf	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Intracranial bleeding : No	reference	reference	reference	reference	reference	reference
Intracranial bleeding : Yes	0.934	0.166	2.546	1.84	3.522	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Gastrointestinal bleeding : No	reference	reference	reference	reference	reference	reference
Gastrointestinal bleeding : Yes	0.571	0.134	1.77	1.361	2.302	<0.001

Composite end-point

Table 2.472: The effect of pre-defined and explored risk factors on the risk of Composite end-point estimated using the Cox proportional hazards model in Group 4 . Table shows the hazard ratios (HRs) for several factors with the corresponding 95% CI and p-value. Only those explored risk factors that indicated 20% effect on the hazard of the outcome with $p \leq 0.15$ are presented. Drug use and comorbidities variables are time dependant.

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Sex : Male	reference	reference	reference	reference	reference	reference
Sex : Female	0.005	0.045	1.005	0.92	1.097	0.919
Diabetes with ongoing medication : No	reference	reference	reference	reference	reference	reference
Diabetes with ongoing medication : Yes	0.355	0.047	1.426	1.3	1.564	<0.001
Multivessel CAD : No	reference	reference	reference	reference	reference	reference
Multivessel CAD : Yes	0.24	0.045	1.271	1.165	1.387	<0.001
Chronic renal dysfunction : No	reference	reference	reference	reference	reference	reference
Chronic renal dysfunction : Yes	0.618	0.096	1.856	1.538	2.24	<0.001
Ischaemic stroke : No	reference	reference	reference	reference	reference	reference
Ischaemic stroke : Yes	0.656	0.074	1.927	1.668	2.225	<0.001
≥ 1 MI in addition to index MI : No	reference	reference	reference	reference	reference	reference
≥ 1 MI in addition to index MI : Yes	0.634	0.068	1.885	1.65	2.154	<0.001
Age at 1 year baseline check (years) : 18-49	reference	reference	reference	reference	reference	reference
Age at 1 year baseline check (years) : 50-64	0.218	0.2	1.244	0.841	1.84	0.277
Age at 1 year baseline check (years) : 65-69	0.43	0.2	1.538	1.038	2.277	0.033
Age at 1 year baseline check (years) : 70-74	0.636	0.197	1.888	1.283	2.778	0.001
Age at 1 year baseline check (years) : 75-79	0.959	0.194	2.609	1.783	3.816	<0.001
Age at 1 year baseline check (years) : 80-84	1.304	0.193	3.682	2.524	5.374	<0.001
Age at 1 year baseline check (years) : 85 and over	1.783	0.192	5.948	4.085	8.66	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Type of index MI : Non-ST elevation MI (and unspecified MI)	reference	reference	reference	reference	reference	reference
Type of index MI : ST elevation MI	-0.328	0.05	0.721	0.653	0.795	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
PCI or CABG related to index event : No	reference	reference	reference	reference	reference	reference
PCI or CABG related to index event : Yes	-0.571	0.051	0.565	0.511	0.625	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Invasive procedure related to index event : No invasive procedure	reference	reference	reference	reference	reference	reference
Invasive procedure related to index event : Coronary angiography only	-0.354	0.069	0.702	0.614	0.803	<0.001
Invasive procedure related to index event : PCI	-0.609	0.056	0.544	0.487	0.608	<0.001
Invasive procedure related to index event : CABG	-1.116	0.128	0.328	0.255	0.421	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Heart failure : No	reference	reference	reference	reference	reference	reference
Heart failure : Yes	0.577	0.046	1.781	1.627	1.95	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Hypertension : No	reference	reference	reference	reference	reference	reference
Hypertension : Yes	0.57	0.22	1.768	1.149	2.719	0.01

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Unstable angina pectoris : No	reference	reference	reference	reference	reference	reference
Unstable angina pectoris : Yes	0.217	0.062	1.242	1.099	1.404	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Transient ischemic attack : No	reference	reference	reference	reference	reference	reference
Transient ischemic attack : Yes	0.319	0.089	1.376	1.155	1.639	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Major bleedings : No	reference	reference	reference	reference	reference	reference
Major bleedings : Yes	0.326	0.068	1.386	1.213	1.583	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Arrhythmia : No	reference	reference	reference	reference	reference	reference
Arrhythmia : Yes	0.363	0.049	1.437	1.306	1.582	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Atrial fibrillation : No	reference	reference	reference	reference	reference	reference
Atrial fibrillation : Yes	0.405	0.054	1.499	1.348	1.667	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Bleeding disorder : No	reference	reference	reference	reference	reference	reference
Bleeding disorder : Yes	0.858	0.252	2.359	1.439	3.867	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Other acute ischaemic heart diseases : No	reference	reference	reference	reference	reference	reference
Other acute ischaemic heart diseases : Yes	0.484	0.244	1.623	1.007	2.617	0.063

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Diabetes mellitus : No	reference	reference	reference	reference	reference	reference
Diabetes mellitus : Yes	0.489	0.076	1.63	1.404	1.892	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Severe renal failure requiring dialysis : No	reference	reference	reference	reference	reference	reference
Severe renal failure requiring dialysis : Yes	1.066	0.278	2.903	1.683	5.01	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
COPD : No	reference	reference	reference	reference	reference	reference
COPD : Yes	0.443	0.088	1.557	1.311	1.849	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Cancer : No	reference	reference	reference	reference	reference	reference
Cancer : Yes	0.234	0.068	1.264	1.106	1.445	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Nitrate : No	reference	reference	reference	reference	reference	reference
Nitrate : Yes	0.569	0.045	1.766	1.616	1.929	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
LMWH : No	reference	reference	reference	reference	reference	reference
LMWH : Yes	0.711	0.278	2.035	1.179	3.513	0.009

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
NOAC : No	reference	reference	reference	reference	reference	reference
NOAC : Yes	0.77	0.448	2.16	0.898	5.2	0.095

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Proton pump inhibitor : No	reference	reference	reference	reference	reference	reference
Proton pump inhibitor : Yes	0.294	0.045	1.341	1.227	1.466	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
NSAID : No	reference	reference	reference	reference	reference	reference
NSAID : Yes	0.199	0.101	1.22	1.001	1.487	0.05

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Use of OAP : No	reference	reference	reference	reference	reference	reference
Use of OAP : Yes	0.184	0.06	1.202	1.07	1.352	0.003

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Bleeding disorder : No	reference	reference	reference	reference	reference	reference
Bleeding disorder : Yes	0.858	0.252	2.359	1.439	3.867	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Intracranial bleeding : No	reference	reference	reference	reference	reference	reference
Intracranial bleeding : Yes	0.239	0.153	1.27	0.941	1.712	0.121

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Central nervous tumour : No	reference	reference	reference	reference	reference	reference
Central nervous tumour : Yes	1.401	0.501	4.058	1.519	10.845	0.003

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Intracranial vascular abnormality : No	reference	reference	reference	reference	reference	reference
Intracranial vascular abnormality : Yes	0.478	0.22	1.613	1.048	2.483	0.036

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Gastrointestinal bleeding : No	reference	reference	reference	reference	reference	reference
Gastrointestinal bleeding : Yes	0.433	0.091	1.542	1.291	1.842	<0.001

Overall mortality

Table 2.500: The effect of pre-defined and explored risk factors on the risk of Overall mortality estimated using the Cox proportional hazards model in Group 4 . Table shows the hazard ratios (HRs) for several factors with the corresponding 95% CI and p-value. Only those explored risk factors that indicated 20% effect on the hazard of the outcome with $p \leq 0.15$ are presented. Drug use and comorbidities variables are time dependant.

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Sex : Male	reference	reference	reference	reference	reference	reference
Sex : Female	-0.133	0.037	0.875	0.813	0.942	<0.001
Diabetes with ongoing medication : No	reference	reference	reference	reference	reference	reference
Diabetes with ongoing medication : Yes	-0.005	0.044	0.995	0.913	1.084	0.911
Multivessel CAD : No	reference	reference	reference	reference	reference	reference
Multivessel CAD : Yes	0.425	0.037	1.529	1.423	1.644	<0.001
Chronic renal dysfunction : No	reference	reference	reference	reference	reference	reference
Chronic renal dysfunction : Yes	1.176	0.062	3.241	2.868	3.662	<0.001
Ischaemic stroke : No	reference	reference	reference	reference	reference	reference
Ischaemic stroke : Yes	0.659	0.054	1.933	1.74	2.147	<0.001
≥ 1 MI in addition to index MI : No	reference	reference	reference	reference	reference	reference
≥ 1 MI in addition to index MI : Yes	0.416	0.058	1.515	1.351	1.699	<0.001
Age at 1 year baseline check (years) : 18-49	reference	reference	reference	reference	reference	reference
Age at 1 year baseline check (years) : 50-64	1.173	0.344	3.231	1.648	6.335	<0.001
Age at 1 year baseline check (years) : 65-69	1.568	0.342	4.796	2.452	9.379	<0.001
Age at 1 year baseline check (years) : 70-74	1.931	0.339	6.896	3.548	13.406	<0.001
Age at 1 year baseline check (years) : 75-79	2.458	0.337	11.681	6.036	22.603	<0.001
Age at 1 year baseline check (years) : 80-84	2.889	0.336	17.973	9.302	34.729	<0.001
Age at 1 year baseline check (years) : 85 and over	3.582	0.335	35.959	18.636	69.387	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Type of index MI : Non-ST elevation MI (and unspecified MI)	reference	reference	reference	reference	reference	reference
Type of index MI : ST elevation MI	-0.413	0.044	0.662	0.607	0.721	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
PCI or CABG related to index event : No	reference	reference	reference	reference	reference	reference
PCI or CABG related to index event : Yes	-0.929	0.049	0.395	0.359	0.435	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Invasive procedure related to index event : No invasive procedure	reference	reference	reference	reference	reference	reference
Invasive procedure related to index event : Coronary angiography only	-0.893	0.068	0.409	0.358	0.468	<0.001
Invasive procedure related to index event : PCI	-1.145	0.054	0.318	0.286	0.354	<0.001
Invasive procedure related to index event : CABG	-1.111	0.107	0.329	0.267	0.406	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Heart failure : No	reference	reference	reference	reference	reference	reference
Heart failure : Yes	1.163	0.038	3.199	2.968	3.447	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Hyperlipidemia : No	reference	reference	reference	reference	reference	reference
Hyperlipidemia : Yes	-0.735	0.043	0.479	0.44	0.522	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Stroke (Total) : No	reference	reference	reference	reference	reference	reference
Stroke (Total) : Yes	1.093	0.134	2.983	2.293	3.881	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Haemorrhagic stroke : No	reference	reference	reference	reference	reference	reference
Haemorrhagic stroke : Yes	0.975	0.123	2.65	2.082	3.373	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Other stroke (not sub-classified) : No	reference	reference	reference	reference	reference	reference
Other stroke (not sub-classified) : Yes	1.099	0.336	3.001	1.552	5.799	0.023

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Major bleedings : No	reference	reference	reference	reference	reference	reference
Major bleedings : Yes	0.623	0.048	1.864	1.695	2.05	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Arrhythmia : No	reference	reference	reference	reference	reference	reference
Arrhythmia : Yes	0.606	0.038	1.833	1.701	1.975	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Atrial fibrillation : No	reference	reference	reference	reference	reference	reference
Atrial fibrillation : Yes	0.671	0.041	1.956	1.807	2.117	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Bleeding disorder : No	reference	reference	reference	reference	reference	reference
Bleeding disorder : Yes	0.9	0.181	2.461	1.725	3.511	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Other acute ischaemic heart diseases : No	reference	reference	reference	reference	reference	reference
Other acute ischaemic heart diseases : Yes	0.448	0.201	1.565	1.056	2.321	0.03

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Diabetes mellitus : No	reference	reference	reference	reference	reference	reference
Diabetes mellitus : Yes	0.782	0.053	2.186	1.97	2.426	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Severe liver disease : No	reference	reference	reference	reference	reference	reference
Severe liver disease : Yes	1.309	0.166	3.704	2.675	5.128	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Severe renal failure requiring dialysis : No	reference	reference	reference	reference	reference	reference
Severe renal failure requiring dialysis : Yes	1.092	0.201	2.979	2.01	4.416	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
COPD : No	reference	reference	reference	reference	reference	reference
COPD : Yes	1.001	0.058	2.722	2.427	3.052	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Dementia/Alzheimer's disease : No	reference	reference	reference	reference	reference	reference
Dementia/Alzheimer's disease : Yes	0.817	0.045	2.265	2.071	2.476	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Cancer : No	reference	reference	reference	reference	reference	reference
Cancer : Yes	0.938	0.043	2.555	2.346	2.782	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Anticoagulation medication : No	reference	reference	reference	reference	reference	reference
Anticoagulation medication : Yes	0.21	0.065	1.234	1.086	1.402	0.002

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
ARB : No	reference	reference	reference	reference	reference	reference
ARB : Yes	-0.625	0.056	0.535	0.48	0.597	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
ACE inhibitor : No	reference	reference	reference	reference	reference	reference
ACE inhibitor : Yes	-0.326	0.04	0.722	0.667	0.781	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Beta-blocker : No	reference	reference	reference	reference	reference	reference
Beta-blocker : Yes	-0.548	0.037	0.578	0.538	0.621	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Calcium channel blocker : No	reference	reference	reference	reference	reference	reference
Calcium channel blocker : Yes	-0.449	0.05	0.638	0.579	0.703	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
LMWH : No	reference	reference	reference	reference	reference	reference
LMWH : Yes	1.596	0.144	4.933	3.717	6.548	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Proton pump inhibitor : No	reference	reference	reference	reference	reference	reference
Proton pump inhibitor : Yes	0.448	0.037	1.565	1.456	1.683	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Statin : No	reference	reference	reference	reference	reference	reference
Statin : Yes	-0.73	0.038	0.482	0.448	0.519	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Use of OAP : No	reference	reference	reference	reference	reference	reference
Use of OAP : Yes	-0.249	0.057	0.78	0.697	0.872	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Bleeding disorder : No	reference	reference	reference	reference	reference	reference
Bleeding disorder : Yes	0.9	0.181	2.461	1.725	3.511	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Intracranial bleeding : No	reference	reference	reference	reference	reference	reference
Intracranial bleeding : Yes	0.879	0.086	2.41	2.037	2.85	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Central nervous tumour : No	reference	reference	reference	reference	reference	reference
Central nervous tumour : Yes	1.659	0.281	5.255	3.029	9.118	0.005

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Intracranial vascular abnormality : No	reference	reference	reference	reference	reference	reference
Intracranial vascular abnormality : Yes	0.441	0.181	1.555	1.09	2.217	0.027

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Gastrointestinal bleeding : No	reference	reference	reference	reference	reference	reference
Gastrointestinal bleeding : Yes	0.699	0.063	2.011	1.776	2.277	<0.001

2.1.5 Explored risk factors for group 5

Myocardial infarction

Table 2.534: The effect of pre-defined and explored risk factors on the risk of Myocardial infarction estimated using the Cox proportional hazards model in Group 5 . Table shows the hazard ratios (HRs) for several factors with the corresponding 95% CI and p-value. Only those explored risk factors that indicated 20% effect on the hazard of the outcome with $p \leq 0.15$ are presented. Drug use and comorbidities variables are time dependant.

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Sex : Male	reference	reference	reference	reference	reference	reference
Sex : Female	-0.092	0.075	0.912	0.787	1.057	0.221
Diabetes with ongoing medication : No	reference	reference	reference	reference	reference	reference
Diabetes with ongoing medication : Yes	0.524	0.08	1.689	1.443	1.978	<0.001
Multivessel CAD : No	reference	reference	reference	reference	reference	reference
Multivessel CAD : Yes	0.245	0.077	1.278	1.099	1.486	0.002
Chronic renal dysfunction : No	reference	reference	reference	reference	reference	reference
Chronic renal dysfunction : Yes	0.394	0.166	1.484	1.072	2.053	0.017
Ischaemic stroke : No	reference	reference	reference	reference	reference	reference
Ischaemic stroke : Yes	-0.11	0.337	0.896	0.463	1.734	0.741
≥ 1 MI in addition to index MI : No	reference	reference	reference	reference	reference	reference
≥ 1 MI in addition to index MI : Yes	0.659	0.115	1.934	1.544	2.422	<0.001
Age at 1 year baseline check (years) : 50-64	reference	reference	reference	reference	reference	reference
Age at 1 year baseline check (years) : 65-69	0.234	0.213	1.264	0.833	1.917	0.27
Age at 1 year baseline check (years) : 70-74	0.276	0.206	1.318	0.88	1.972	0.183
Age at 1 year baseline check (years) : 75-79	0.867	0.185	2.38	1.656	3.419	<0.001
Age at 1 year baseline check (years) : 80-84	1.134	0.177	3.11	2.198	4.399	<0.001
Age at 1 year baseline check (years) : 85 and over	1.549	0.173	4.706	3.355	6.599	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Type of index MI : Non-ST elevation MI (and unspecified MI)	reference	reference	reference	reference	reference	reference
Type of index MI : ST elevation MI	-0.333	0.09	0.717	0.601	0.854	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
PCI or CABG related to index event : No	reference	reference	reference	reference	reference	reference
PCI or CABG related to index event : Yes	-0.524	0.105	0.592	0.482	0.727	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Invasive procedure related to index event : No invasive procedure	reference	reference	reference	reference	reference	reference
Invasive procedure related to index event : Coronary angiography only	-0.338	0.118	0.713	0.565	0.899	0.005
Invasive procedure related to index event : PCI	-0.611	0.109	0.543	0.439	0.672	<0.001
Invasive procedure related to index event : CABG	reference	0	reference	reference	reference	reference

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Index year : 2009	reference	reference	reference	reference	reference	reference
Index year : 2010	0.059	0.087	1.061	0.895	1.259	0.492
Index year : 2011	-0.144	0.104	0.866	0.706	1.062	0.165
Index year : 2012	-0.39	0.158	0.677	0.497	0.923	0.013

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Heart failure : No	reference	reference	reference	reference	reference	reference
Heart failure : Yes	0.609	0.076	1.839	1.586	2.132	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Hypertension : No	reference	reference	reference	reference	reference	reference
Hypertension : Yes	1.018	0.38	2.768	1.313	5.836	0.007

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Unstable angina pectoris : No	reference	reference	reference	reference	reference	reference
Unstable angina pectoris : Yes	0.446	0.117	1.562	1.242	1.965	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Stroke (Total) : No	reference	reference	reference	reference	reference	reference
Stroke (Total) : Yes	-13.317	688.057	0	0	Inf	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Haemorrhagic stroke : No	reference	reference	reference	reference	reference	reference
Haemorrhagic stroke : Yes	-13.133	688.642	0	0	Inf	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Other stroke (not sub-classified) : No	reference	reference	reference	reference	reference	reference

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Other stroke (not sub-classified) : Yes	-11.821	665.062	0	0	Inf	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Transient ischemic attack : No	reference	reference	reference	reference	reference	reference
Transient ischemic attack : Yes	0.319	0.158	1.376	1.01	1.876	0.045

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Major bleedings : No	reference	reference	reference	reference	reference	reference
Major bleedings : Yes	0.255	0.122	1.29	1.016	1.639	0.045

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Atrial fibrillation : No	reference	reference	reference	reference	reference	reference
Atrial fibrillation : Yes	0.183	0.09	1.201	1.007	1.432	0.041

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Diabetes mellitus : No	reference	reference	reference	reference	reference	reference
Diabetes mellitus : Yes	0.407	0.129	1.502	1.166	1.934	0.002

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Severe liver disease : No	reference	reference	reference	reference	reference	reference
Severe liver disease : Yes	1.523	1.003	4.586	0.642	32.75	0.111

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Severe renal failure requiring dialysis : No	reference	reference	reference	reference	reference	reference
Severe renal failure requiring dialysis : Yes	-11.21	532.889	0	0	Inf	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
COPD : No	reference	reference	reference	reference	reference	reference
COPD : Yes	0.366	0.142	1.441	1.092	1.903	0.013

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Dementia/Alzheimer's disease : No	reference	reference	reference	reference	reference	reference
Dementia/Alzheimer's disease : Yes	-0.333	0.122	0.717	0.564	0.91	0.007

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Cancer : No	reference	reference	reference	reference	reference	reference
Cancer : Yes	0.289	0.106	1.336	1.085	1.644	0.007

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Nitrate : No	reference	reference	reference	reference	reference	reference
Nitrate : Yes	0.715	0.078	2.045	1.756	2.381	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
NOAC : No	reference	reference	reference	reference	reference	reference
NOAC : Yes	1.316	0.579	3.729	1.199	11.598	0.018

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Proton pump inhibitor : No	reference	reference	reference	reference	reference	reference
Proton pump inhibitor : Yes	0.223	0.076	1.25	1.077	1.451	0.003

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
NSAID : No	reference	reference	reference	reference	reference	reference
NSAID : Yes	0.324	0.159	1.382	1.012	1.889	0.044

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Central nervous tumour : No	reference	reference	reference	reference	reference	reference
Central nervous tumour : Yes	-10.762	833.411	0	0	Inf	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Gastrointestinal bleeding : No	reference	reference	reference	reference	reference	reference
Gastrointestinal bleeding : Yes	0.328	0.154	1.388	1.027	1.875	0.047

Stroke (total)

Table 2.560: The effect of pre-defined and explored risk factors on the risk of Stroke (total) estimated using the Cox proportional hazards model in Group 5 . Table shows the hazard ratios (HRs) for several factors with the corresponding 95% CI and p-value. Only those explored risk factors that indicated 20% effect on the hazard of the outcome with $p \leq 0.15$ are presented. Drug use and comorbidities variables are time dependant.

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Sex : Male	reference	reference	reference	reference	reference	reference
Sex : Female	-0.173	0.12	0.841	0.664	1.064	0.138
Diabetes with ongoing medication : No	reference	reference	reference	reference	reference	reference
Diabetes with ongoing medication : Yes	0.408	0.132	1.503	1.16	1.949	0.002
Multivessel CAD : No	reference	reference	reference	reference	reference	reference
Multivessel CAD : Yes	0.482	0.119	1.62	1.282	2.046	<0.001
Chronic renal dysfunction : No	reference	reference	reference	reference	reference	reference
Chronic renal dysfunction : Yes	0.373	0.267	1.453	0.861	2.453	0.17
≥ 1 MI in addition to index MI : No	reference	reference	reference	reference	reference	reference
≥ 1 MI in addition to index MI : Yes	0.453	0.194	1.573	1.075	2.301	0.019
Age at 1 year baseline check (years) : 50-64	reference	reference	reference	reference	reference	reference
Age at 1 year baseline check (years) : 65-69	0.804	0.356	2.235	1.112	4.495	0.025
Age at 1 year baseline check (years) : 70-74	0.983	0.34	2.672	1.371	5.208	0.004
Age at 1 year baseline check (years) : 75-79	1.262	0.327	3.533	1.86	6.711	<0.001
Age at 1 year baseline check (years) : 80-84	1.379	0.32	3.971	2.119	7.443	<0.001
Age at 1 year baseline check (years) : 85 and over	1.88	0.312	6.556	3.557	12.084	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
PCI or CABG related to index event : No	reference	reference	reference	reference	reference	reference
PCI or CABG related to index event : Yes	-0.492	0.163	0.611	0.445	0.841	0.003

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Invasive procedure related to index event : No invasive procedure	reference	reference	reference	reference	reference	reference
Invasive procedure related to index event : Coronary angiography only	-0.711	0.207	0.491	0.327	0.736	<0.001
Invasive procedure related to index event : PCI	-0.666	0.169	0.514	0.369	0.715	<0.001
Invasive procedure related to index event : CABG	reference	0	reference	reference	reference	reference

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Index year : 2009	reference	reference	reference	reference	reference	reference
Index year : 2010	-0.2	0.144	0.819	0.617	1.087	0.165
Index year : 2011	-0.373	0.178	0.689	0.486	0.976	0.034
Index year : 2012	0.103	0.228	1.108	0.71	1.731	0.642

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Heart failure : No	reference	reference	reference	reference	reference	reference
Heart failure : Yes	0.252	0.125	1.287	1.008	1.645	0.043

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Stroke (Total) : No	reference	reference	reference	reference	reference	reference
Stroke (Total) : Yes	-9.337	1219.013	0	0	Inf	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Other stroke (not sub-classified) : No	reference	reference	reference	reference	reference	reference
Other stroke (not sub-classified) : Yes	-9.337	1219.013	0	0	Inf	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Arrhythmia : No	reference	reference	reference	reference	reference	reference
Arrhythmia : Yes	0.497	0.124	1.643	1.29	2.094	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Atrial fibrillation : No	reference	reference	reference	reference	reference	reference
Atrial fibrillation : Yes	0.517	0.133	1.678	1.293	2.176	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Bleeding disorder : No	reference	reference	reference	reference	reference	reference
Bleeding disorder : Yes	2.447	0.713	11.557	2.858	46.74	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Other acute ischaemic heart diseases : No	reference	reference	reference	reference	reference	reference
Other acute ischaemic heart diseases : Yes	0.853	0.581	2.346	0.751	7.324	0.139

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Diabetes mellitus : No	reference	reference	reference	reference	reference	reference
Diabetes mellitus : Yes	0.413	0.203	1.512	1.015	2.251	0.042
Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Severe liver disease : No	reference	reference	reference	reference	reference	reference
Severe liver disease : Yes	-11.914	1087.136	0	0	Inf	<0.001
Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Antithrombotic medication : No	reference	reference	reference	reference	reference	reference
Antithrombotic medication : Yes	0.256	0.154	1.291	0.954	1.748	0.096
Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
NOAC : No	reference	reference	reference	reference	reference	reference
NOAC : Yes	-13.071	1077.005	0	0	Inf	<0.001
Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Proton pump inhibitor : No	reference	reference	reference	reference	reference	reference
Proton pump inhibitor : Yes	0.437	0.119	1.547	1.225	1.955	<0.001
Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Fibrate : No	reference	reference	reference	reference	reference	reference
Fibrate : Yes	1.538	0.713	4.654	1.15	18.83	0.022
Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Bleeding disorder : No	reference	reference	reference	reference	reference	reference
Bleeding disorder : Yes	2.447	0.713	11.557	2.858	46.74	<0.001
Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Central nervous tumour : No	reference	reference	reference	reference	reference	reference
Central nervous tumour : Yes	-10.83	1335.503	0	0	Inf	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Intracranial vascular abnormality : No	reference	reference	reference	reference	reference	reference
Intracranial vascular abnormality : Yes	2.172	0.583	8.772	2.8	27.483	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Gastrointestinal bleeding : No	reference	reference	reference	reference	reference	reference
Gastrointestinal bleeding : Yes	0.561	0.22	1.752	1.139	2.695	0.012

Cardiovascular mortality

Table 2.581: The effect of pre-defined and explored risk factors on the risk of Cardiovascular mortality estimated using the Cox proportional hazards model in Group 5 . Table shows the hazard ratios (HRs) for several factors with the corresponding 95% CI and p-value. Only those explored risk factors that indicated 20% effect on the hazard of the outcome with $p \leq 0.15$ are presented. Drug use and comorbidities variables are time dependant.

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Sex : Male	reference	reference	reference	reference	reference	reference
Sex : Female	0.014	0.098	1.014	0.837	1.229	0.885
Diabetes with ongoing medication : No	reference	reference	reference	reference	reference	reference
Diabetes with ongoing medication : Yes	0.511	0.105	1.667	1.356	2.048	<0.001
Multivessel CAD : No	reference	reference	reference	reference	reference	reference
Multivessel CAD : Yes	0.67	0.094	1.954	1.624	2.351	<0.001
Chronic renal dysfunction : No	reference	reference	reference	reference	reference	reference
Chronic renal dysfunction : Yes	0.691	0.18	1.996	1.401	2.842	<0.001
≥ 1 MI in addition to index MI : No	reference	reference	reference	reference	reference	reference
≥ 1 MI in addition to index MI : Yes	0.752	0.135	2.122	1.63	2.763	<0.001
Age at 1 year baseline check (years) : 50-64	reference	reference	reference	reference	reference	reference
Age at 1 year baseline check (years) : 65-69	0.514	0.35	1.672	0.842	3.32	0.14
Age at 1 year baseline check (years) : 70-74	0.683	0.329	1.979	1.038	3.774	0.037
Age at 1 year baseline check (years) : 75-79	1.192	0.304	3.295	1.816	5.98	<0.001
Age at 1 year baseline check (years) : 80-84	1.732	0.288	5.654	3.215	9.944	<0.001
Age at 1 year baseline check (years) : 85 and over	2.365	0.281	10.644	6.131	18.479	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Type of index MI : Non-ST elevation MI (and unspecified MI)	reference	reference	reference	reference	reference	reference
Type of index MI : ST elevation MI	-0.347	0.119	0.707	0.56	0.892	0.003

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
PCI or CABG related to index event : No	reference	reference	reference	reference	reference	reference
PCI or CABG related to index event : Yes	-0.84	0.161	0.432	0.315	0.592	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Invasive procedure related to index event : No invasive procedure	reference	reference	reference	reference	reference	reference
Invasive procedure related to index event : Coronary angiography only	-0.668	0.178	0.513	0.362	0.727	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Invasive procedure related to index event : PCI	-0.978	0.165	0.376	0.272	0.519	<0.001
Invasive procedure related to index event : CABG	reference	0	reference	reference	reference	reference

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Index year : 2009	reference	reference	reference	reference	reference	reference
Index year : 2010	0.069	0.112	1.072	0.861	1.334	0.539
Index year : 2011	-0.23	0.139	0.795	0.605	1.043	0.096
Index year : 2012	-0.561	0.231	0.57	0.363	0.897	0.015

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Heart failure : No	reference	reference	reference	reference	reference	reference
Heart failure : Yes	1.206	0.101	3.341	2.743	4.07	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Hyperlipidemia : No	reference	reference	reference	reference	reference	reference
Hyperlipidemia : Yes	-0.332	0.107	0.718	0.582	0.885	0.003

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Unstable angina pectoris : No	reference	reference	reference	reference	reference	reference
Unstable angina pectoris : Yes	0.527	0.14	1.693	1.288	2.226	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Stroke (Total) : No	reference	reference	reference	reference	reference	reference
Stroke (Total) : Yes	2.669	0.123	14.431	11.346	18.354	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Other stroke (not sub-classified) : No	reference	reference	reference	reference	reference	reference
Other stroke (not sub-classified) : Yes	1.719	0.719	5.582	1.365	22.831	0.005

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Major bleedings : No	reference	reference	reference	reference	reference	reference
Major bleedings : Yes	0.513	0.135	1.671	1.282	2.177	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Arrhythmia : No	reference	reference	reference	reference	reference	reference
Arrhythmia : Yes	0.724	0.095	2.062	1.712	2.485	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Atrial fibrillation : No	reference	reference	reference	reference	reference	reference
Atrial fibrillation : Yes	0.735	0.099	2.085	1.717	2.532	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Diabetes mellitus : No	reference	reference	reference	reference	reference	reference
Diabetes mellitus : Yes	0.554	0.152	1.741	1.292	2.345	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Severe liver disease : No	reference	reference	reference	reference	reference	reference
Severe liver disease : Yes	2.12	1.007	8.329	1.158	59.908	0.033

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
COPD : No	reference	reference	reference	reference	reference	reference
COPD : Yes	0.495	0.174	1.641	1.166	2.31	0.007

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Dementia/Alzheimer's disease : No	reference	reference	reference	reference	reference	reference
Dementia/Alzheimer's disease : Yes	0.341	0.12	1.406	1.111	1.779	0.006

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Antithrombotic medication : No	reference	reference	reference	reference	reference	reference
Antithrombotic medication : Yes	0.236	0.121	1.266	0.998	1.604	0.055

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
ARB : No	reference	reference	reference	reference	reference	reference
ARB : Yes	-0.313	0.131	0.731	0.565	0.946	0.018

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Nitrate : No	reference	reference	reference	reference	reference	reference
Nitrate : Yes	0.248	0.097	1.282	1.059	1.552	0.014

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Beta-blocker : No	reference	reference	reference	reference	reference	reference
Beta-blocker : Yes	-0.356	0.096	0.7	0.58	0.845	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Calcium channel blocker : No	reference	reference	reference	reference	reference	reference
Calcium channel blocker : Yes	-0.306	0.124	0.737	0.578	0.938	0.012

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
NOAC : No	reference	reference	reference	reference	reference	reference
NOAC : Yes	1.151	0.712	3.162	0.783	12.774	0.116

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Proton pump inhibitor : No	reference	reference	reference	reference	reference	reference
Proton pump inhibitor : Yes	0.352	0.096	1.421	1.179	1.714	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Fibrate : No	reference	reference	reference	reference	reference	reference
Fibrate : Yes	-12.837	754.413	0	0	Inf	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Use of OAP : No	reference	reference	reference	reference	reference	reference
Use of OAP : Yes	0.396	0.204	1.486	0.996	2.218	0.055

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Intracranial bleeding : No	reference	reference	reference	reference	reference	reference
Intracranial bleeding : Yes	2.43	0.246	11.358	7.011	18.4	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Central nervous tumour : No	reference	reference	reference	reference	reference	reference
Central nervous tumour : Yes	-9.676	708.228	0	0	Inf	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Intracranial vascular abnormality : No	reference	reference	reference	reference	reference	reference
Intracranial vascular abnormality : Yes	1.848	0.505	6.35	2.361	17.079	0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Gastrointestinal bleeding : No	reference	reference	reference	reference	reference	reference
Gastrointestinal bleeding : Yes	0.546	0.167	1.726	1.245	2.394	0.002

Composite end-point

Table 2.611: The effect of pre-defined and explored risk factors on the risk of Composite end-point estimated using the Cox proportional hazards model in Group 5 . Table shows the hazard ratios (HRs) for several factors with the corresponding 95% CI and p-value. Only those explored risk factors that indicated 20% effect on the hazard of the outcome with $p \leq 0.15$ are presented. Drug use and comorbidities variables are time dependant.

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Sex : Male	reference	reference	reference	reference	reference	reference
Sex : Female	-0.082	0.06	0.921	0.818	1.036	0.17
Diabetes with ongoing medication : No	reference	reference	reference	reference	reference	reference
Diabetes with ongoing medication : Yes	0.465	0.065	1.591	1.4	1.809	<0.001
Multivessel CAD : No	reference	reference	reference	reference	reference	reference
Multivessel CAD : Yes	0.306	0.061	1.358	1.204	1.531	<0.001
Chronic renal dysfunction : No	reference	reference	reference	reference	reference	reference
Chronic renal dysfunction : Yes	0.441	0.131	1.554	1.203	2.007	<0.001
≥ 1 MI in addition to index MI : No	reference	reference	reference	reference	reference	reference
≥ 1 MI in addition to index MI : Yes	0.662	0.092	1.939	1.62	2.321	<0.001
Age at 1 year baseline check (years) : 50-64	reference	reference	reference	reference	reference	reference
Age at 1 year baseline check (years) : 65-69	0.321	0.17	1.378	0.987	1.924	0.058
Age at 1 year baseline check (years) : 70-74	0.422	0.163	1.526	1.109	2.1	0.009
Age at 1 year baseline check (years) : 75-79	0.876	0.151	2.401	1.788	3.225	<0.001
Age at 1 year baseline check (years) : 80-84	1.158	0.144	3.183	2.402	4.219	<0.001
Age at 1 year baseline check (years) : 85 and over	1.584	0.14	4.873	3.704	6.412	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Type of index MI : Non-ST elevation MI (and unspecified MI)	reference	reference	reference	reference	reference	reference
Type of index MI : ST elevation MI	-0.239	0.07	0.787	0.686	0.903	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
PCI or CABG related to index event : No	reference	reference	reference	reference	reference	reference
PCI or CABG related to index event : Yes	-0.535	0.084	0.586	0.497	0.691	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Invasive procedure related to index event : No No invasive procedure	reference	reference	reference	reference	reference	reference
Invasive procedure related to index event : Coronary angiography only	-0.492	0.099	0.611	0.504	0.742	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Invasive procedure related to index event : PCI	-0.657	0.087	0.518	0.437	0.615	<0.001
Invasive procedure related to index event : CABG	reference	0	reference	reference	reference	reference

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Index year : 2009	reference	reference	reference	reference	reference	reference
Index year : 2010	-0.048	0.071	0.953	0.83	1.095	0.498
Index year : 2011	-0.21	0.084	0.81	0.688	0.955	0.012
Index year : 2012	-0.317	0.123	0.728	0.572	0.927	0.01

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Heart failure : No	reference	reference	reference	reference	reference	reference
Heart failure : Yes	0.618	0.061	1.855	1.647	2.09	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Hypertension : No	reference	reference	reference	reference	reference	reference
Hypertension : Yes	0.703	0.261	2.02	1.212	3.366	0.007

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Unstable angina pectoris : No	reference	reference	reference	reference	reference	reference
Unstable angina pectoris : Yes	0.475	0.093	1.607	1.34	1.928	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Stroke (Total) : No	reference	reference	reference	reference	reference	reference
Stroke (Total) : Yes	-9.459	550.223	0	0	Inf	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Other stroke (not sub-classified) : No	reference	reference	reference	reference	reference	reference
Other stroke (not sub-classified) : Yes	-9.459	550.223	0	0	Inf	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Major bleedings : No	reference	reference	reference	reference	reference	reference
Major bleedings : Yes	0.37	0.094	1.448	1.205	1.74	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Arrhythmia : No	reference	reference	reference	reference	reference	reference
Arrhythmia : Yes	0.375	0.063	1.455	1.285	1.647	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Atrial fibrillation : No	reference	reference	reference	reference	reference	reference
Atrial fibrillation : Yes	0.386	0.069	1.471	1.286	1.683	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Bleeding disorder : No	reference	reference	reference	reference	reference	reference
Bleeding disorder : Yes	1.766	0.502	5.85	2.186	15.656	0.004

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Diabetes mellitus : No	reference	reference	reference	reference	reference	reference
Diabetes mellitus : Yes	0.47	0.101	1.6	1.313	1.949	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
COPD : No	reference	reference	reference	reference	reference	reference
COPD : Yes	0.408	0.112	1.503	1.208	1.871	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Nitrate : No	reference	reference	reference	reference	reference	reference
Nitrate : Yes	0.462	0.061	1.587	1.409	1.788	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
NOAC : No	reference	reference	reference	reference	reference	reference
NOAC : Yes	1.216	0.501	3.375	1.264	9.012	0.009

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Proton pump inhibitor : No	reference	reference	reference	reference	reference	reference
Proton pump inhibitor : Yes	0.294	0.061	1.342	1.192	1.511	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Bleeding disorder : No	reference	reference	reference	reference	reference	reference
Bleeding disorder : Yes	1.766	0.502	5.85	2.186	15.656	0.004

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Central nervous tumour : No	reference	reference	reference	reference	reference	reference
Central nervous tumour : Yes	-10.77	662.764	0	0	Inf	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Intracranial vascular abnormality : No	reference	reference	reference	reference	reference	reference
Intracranial vascular abnormality : Yes	1.533	0.411	4.63	2.071	10.352	0.002

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Gastrointestinal bleeding : No	reference	reference	reference	reference	reference	reference
Gastrointestinal bleeding : Yes	0.479	0.116	1.615	1.287	2.027	<0.001

Overall mortality

Table 2.634: The effect of pre-defined and explored risk factors on the risk of Overall mortality estimated using the Cox proportional hazards model in Group 5 . Table shows the hazard ratios (HRs) for several factors with the corresponding 95% CI and p-value. Only those explored risk factors that indicated 20% effect on the hazard of the outcome with $p \leq 0.15$ are presented. Drug use and comorbidities variables are time dependant.

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Sex : Male	reference	reference	reference	reference	reference	reference
Sex : Female	-0.179	0.046	0.836	0.764	0.915	<0.001
Diabetes with ongoing medication : No	reference	reference	reference	reference	reference	reference
Diabetes with ongoing medication : Yes	0.027	0.057	1.027	0.919	1.149	0.646
Multivessel CAD : No	reference	reference	reference	reference	reference	reference
Multivessel CAD : Yes	0.477	0.046	1.611	1.473	1.763	<0.001
Chronic renal dysfunction : No	reference	reference	reference	reference	reference	reference
Chronic renal dysfunction : Yes	0.902	0.083	2.465	2.094	2.9	<0.001
≥ 1 MI in addition to index MI : No	reference	reference	reference	reference	reference	reference
≥ 1 MI in addition to index MI : Yes	0.315	0.076	1.37	1.179	1.591	<0.001
Age at 1 year baseline check (years) : 50-64	reference	reference	reference	reference	reference	reference
Age at 1 year baseline check (years) : 65-69	0.65	0.182	1.916	1.34	2.738	<0.001
Age at 1 year baseline check (years) : 70-74	0.97	0.17	2.639	1.889	3.685	<0.001
Age at 1 year baseline check (years) : 75-79	1.558	0.159	4.748	3.473	6.49	<0.001
Age at 1 year baseline check (years) : 80-84	1.902	0.155	6.697	4.942	9.077	<0.001
Age at 1 year baseline check (years) : 85 and over	2.569	0.152	13.054	9.69	17.586	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Type of index MI : Non-ST elevation MI (and unspecified MI)	reference	reference	reference	reference	reference	reference
Type of index MI : ST elevation MI	-0.342	0.056	0.711	0.636	0.794	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
PCI or CABG related to index event : No	reference	reference	reference	reference	reference	reference
PCI or CABG related to index event : Yes	-0.921	0.078	0.398	0.342	0.463	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Invasive procedure related to index event : No invasive procedure	reference	reference	reference	reference	reference	reference
Invasive procedure related to index event : Coronary angiography only	-0.86	0.089	0.423	0.356	0.504	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Invasive procedure related to index event : PCI	-1.098	0.079	0.334	0.286	0.39	<0.001
Invasive procedure related to index event : CABG	reference	0	reference	reference	reference	reference

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Heart failure : No	reference	reference	reference	reference	reference	reference
Heart failure : Yes	1.056	0.047	2.875	2.623	3.152	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Hyperlipidemia : No	reference	reference	reference	reference	reference	reference
Hyperlipidemia : Yes	-0.511	0.049	0.6	0.545	0.661	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Stroke (Total) : No	reference	reference	reference	reference	reference	reference
Stroke (Total) : Yes	1.459	0.087	4.3	3.624	5.102	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Other stroke (not sub-classified) : No	reference	reference	reference	reference	reference	reference
Other stroke (not sub-classified) : Yes	1.244	0.504	3.468	1.292	9.311	0.05

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Major bleedings : No	reference	reference	reference	reference	reference	reference
Major bleedings : Yes	0.583	0.064	1.792	1.582	2.03	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Arrhythmia : No	reference	reference	reference	reference	reference	reference
Arrhythmia : Yes	0.593	0.046	1.809	1.653	1.981	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Atrial fibrillation : No	reference	reference	reference	reference	reference	reference
Atrial fibrillation : Yes	0.64	0.048	1.897	1.725	2.085	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Bleeding disorder : No	reference	reference	reference	reference	reference	reference

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Bleeding disorder : Yes	1.889	0.38	6.611	3.141	13.915	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Other acute ischaemic heart diseases : No	reference	reference	reference	reference	reference	reference
Other acute ischaemic heart diseases : Yes	0.564	0.251	1.758	1.075	2.877	0.026

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Diabetes mellitus : No	reference	reference	reference	reference	reference	reference
Diabetes mellitus : Yes	0.653	0.067	1.921	1.684	2.19	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Severe liver disease : No	reference	reference	reference	reference	reference	reference
Severe liver disease : Yes	2.737	0.321	15.444	8.237	28.959	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
COPD : No	reference	reference	reference	reference	reference	reference
COPD : Yes	0.81	0.073	2.248	1.947	2.596	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Dementia/Alzheimer's disease : No	reference	reference	reference	reference	reference	reference
Dementia/Alzheimer's disease : Yes	0.744	0.052	2.105	1.9	2.332	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Cancer : No	reference	reference	reference	reference	reference	reference
Cancer : Yes	0.777	0.055	2.174	1.953	2.42	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
ARB : No	reference	reference	reference	reference	reference	reference
ARB : Yes	-0.583	0.071	0.558	0.486	0.641	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
ACE inhibitor : No	reference	reference	reference	reference	reference	reference
ACE inhibitor : Yes	-0.305	0.051	0.737	0.667	0.815	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Beta-blocker : No	reference	reference	reference	reference	reference	reference
Beta-blocker : Yes	-0.517	0.045	0.596	0.546	0.651	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Calcium channel blocker : No	reference	reference	reference	reference	reference	reference
Calcium channel blocker : Yes	-0.53	0.065	0.589	0.519	0.668	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
LMWH : No	reference	reference	reference	reference	reference	reference
LMWH : Yes	1.436	0.188	4.202	2.907	6.073	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Proton pump inhibitor : No	reference	reference	reference	reference	reference	reference
Proton pump inhibitor : Yes	0.325	0.046	1.385	1.265	1.515	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Statin : No	reference	reference	reference	reference	reference	reference
Statin : Yes	-0.643	0.047	0.526	0.479	0.577	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Bleeding disorder : No	reference	reference	reference	reference	reference	reference
Bleeding disorder : Yes	1.889	0.38	6.611	3.141	13.915	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Intracranial bleeding : No	reference	reference	reference	reference	reference	reference
Intracranial bleeding : Yes	1.759	0.158	5.806	4.262	7.91	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Central nervous tumour : No	reference	reference	reference	reference	reference	reference
Central nervous tumour : Yes	3.466	0.451	32.012	13.236	77.418	<0.001

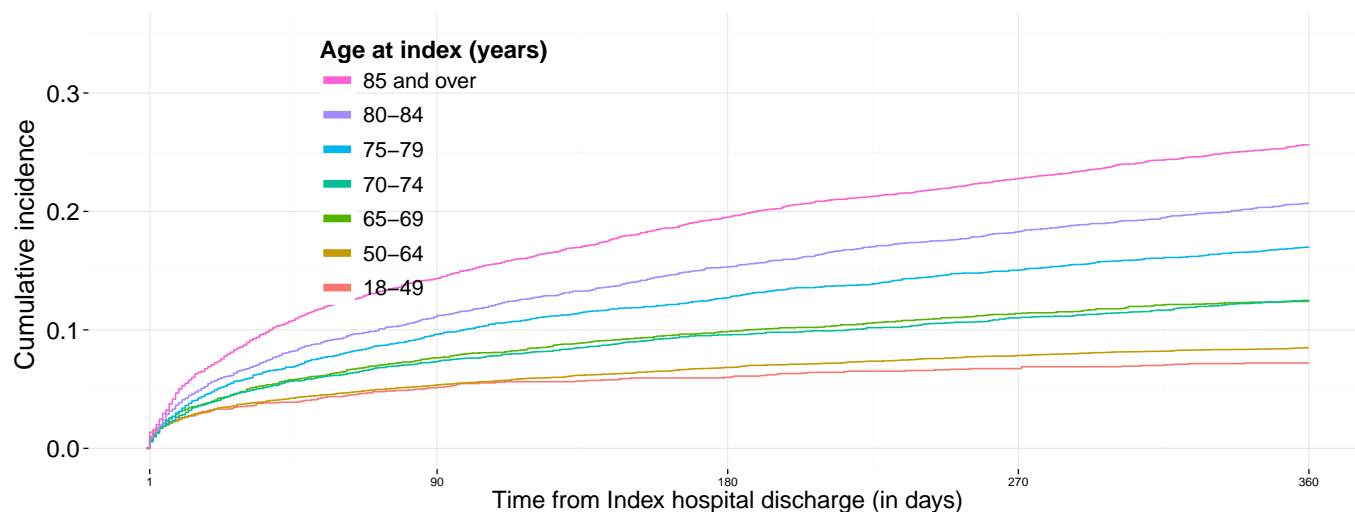
Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Intracranial vascular abnormality : No	reference	reference	reference	reference	reference	reference
Intracranial vascular abnormality : Yes	1.161	0.335	3.194	1.657	6.157	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Gastrointestinal bleeding : No	reference	reference	reference	reference	reference	reference
Gastrointestinal bleeding : Yes	0.606	0.081	1.833	1.565	2.148	<0.001

2.2 Sensitivity analysis 2 : MI-free history patients

2.2.1 Cumulative incidence of composite end-point for group 1 including only patients with a 5-year MI-free history before the index MI event.

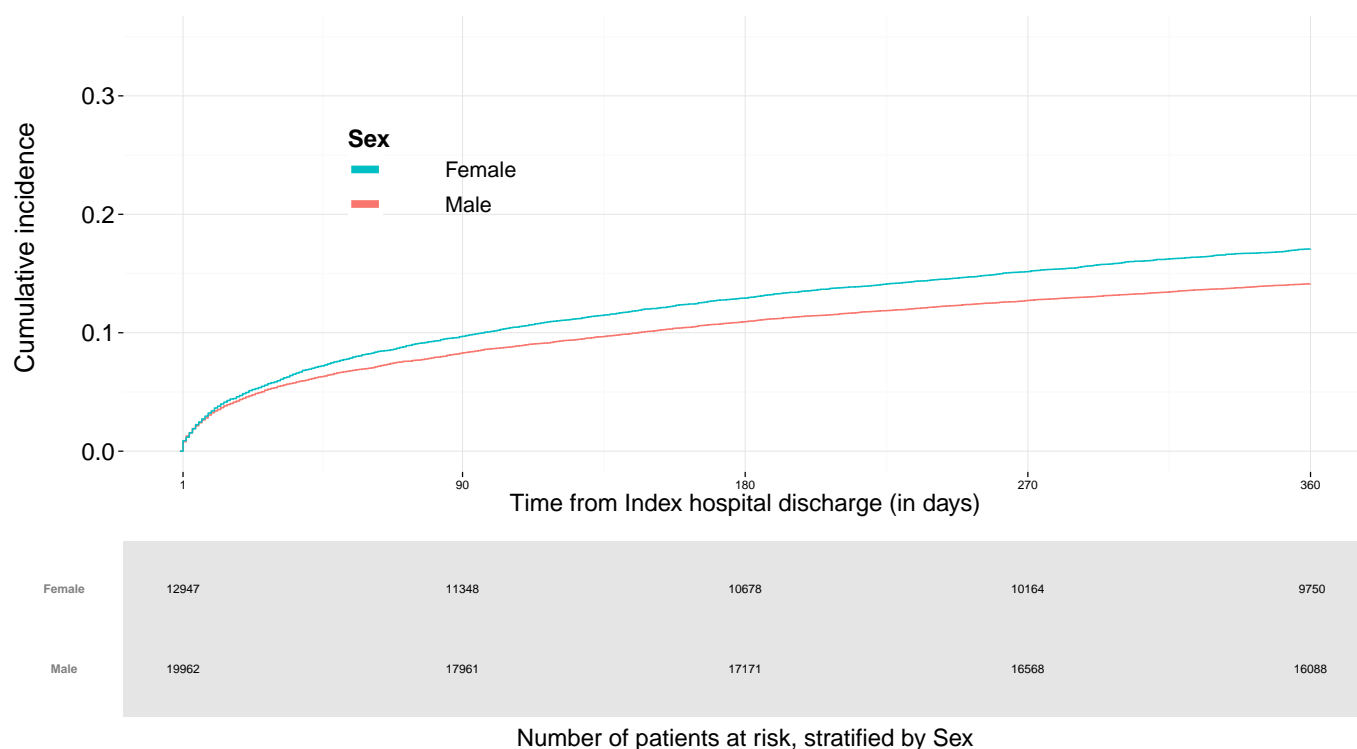
Cumulative incidence of Composite end-point , stratified by Age at index (years) in Group 1 .The follow-up time is from index date to 1 year after index date. Including only patients with a 5-year MI-free history before the index MI event.



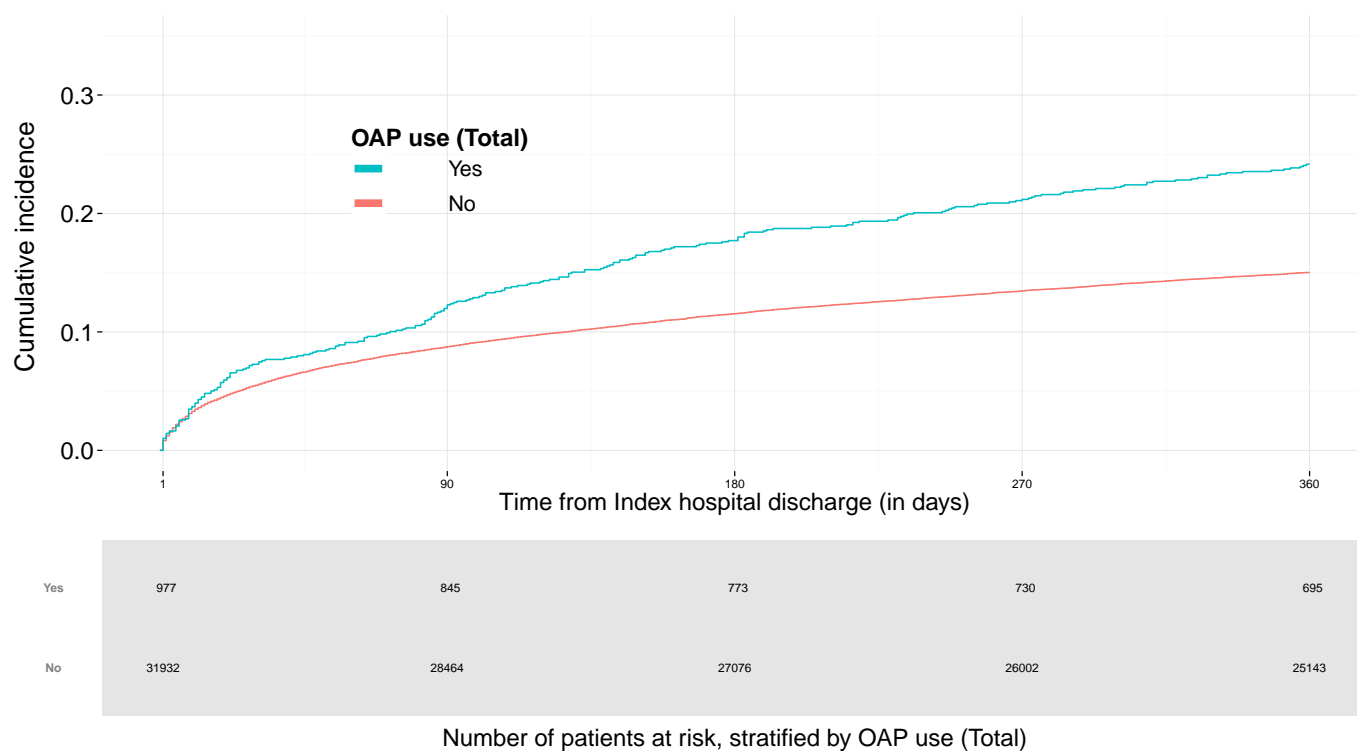
85 and over	5656	4546	4045	3684	3399
80-84	4921	4218	3907	3646	3447
75-79	4556	4027	3802	3630	3485
70-74	4123	3761	3630	3526	3432
65-69	3557	3252	3147	3071	3009
50-64	8194	7702	7534	7411	7314
18-49	1902	1803	1784	1764	1752

Number of patients at risk, stratified by Age at index (years)

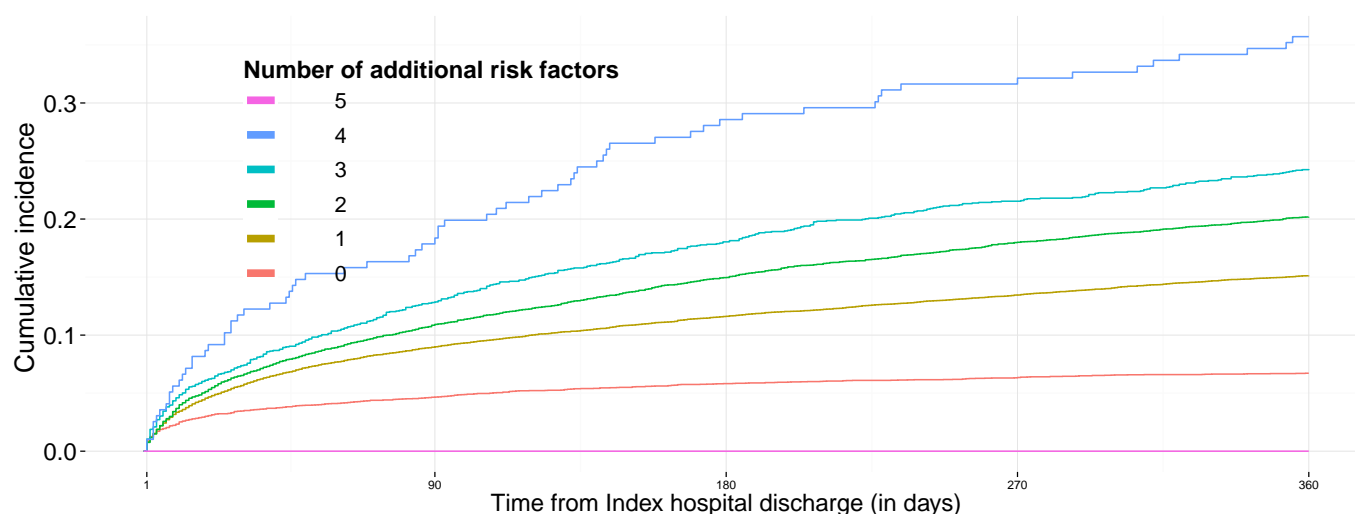
Cumulative incidence of Composite end-point , stratified by Sex
in Group 1 .The follow-up time is from index date to 1 year after index date.
Including only patients with a 5-year MI-free history before the index MI event.



Cumulative incidence of Composite end-point , stratified by OAP use (Total)
in Group 1 .The follow-up time is from index date to 1 year after index date.
Including only patients with a 5-year MI-free history before the index MI event.



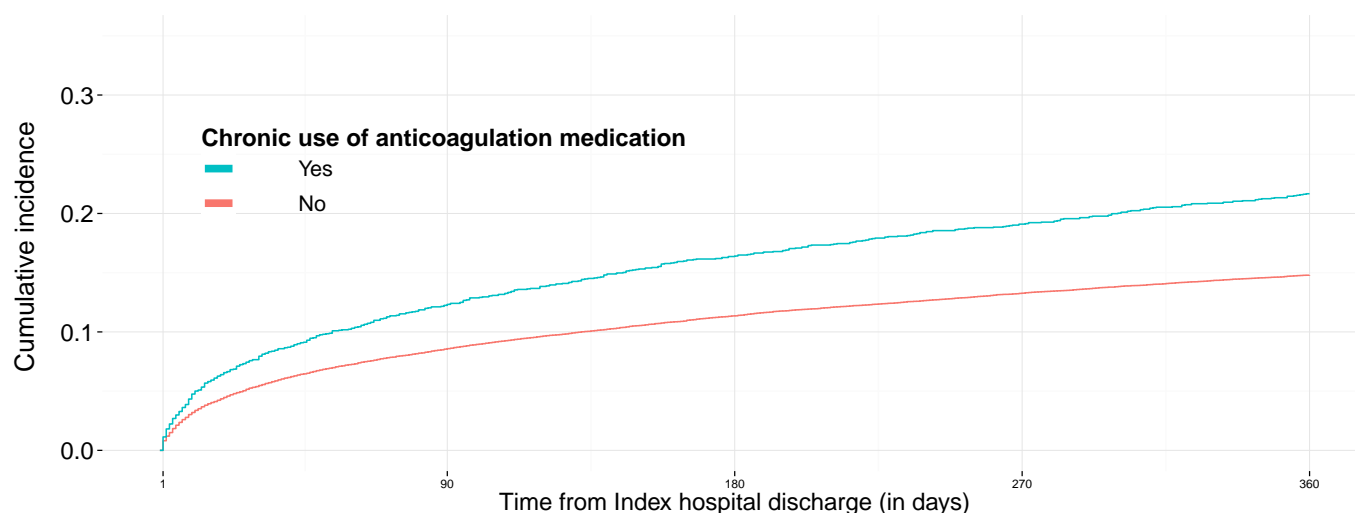
Cumulative incidence of Composite end-point , stratified by Number of additional risk factors in Group 1 .The follow-up time is from index date to 1 year after index date.
Including only patients with a 5-year MI-free history before the index MI event.



5	1	1	1	1	1
4	196	154	127	114	102
3	1913	1608	1465	1353	1267
2	8173	7052	6557	6160	5852
1	15807	14021	13331	12796	12356
0	6819	6473	6368	6308	6260

Number of patients at risk, stratified by Number of additional risk factors

Cumulative incidence of Composite end-point , stratified by Chronic use of anticoagulation medication in Group 1 .The follow-up time is from index date to 1 year after index date.
Including only patients with a 5-year MI-free history before the index MI event.



Yes	2377	1997	1842	1713	1600
No	30532	27312	26007	25019	24238

Number of patients at risk, stratified by Chronic use of anticoagulation medication

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2.2.2 Cumulative incidence of composite end-point for group 2 including only patients with a 5-year MI-free history before the index MI event.

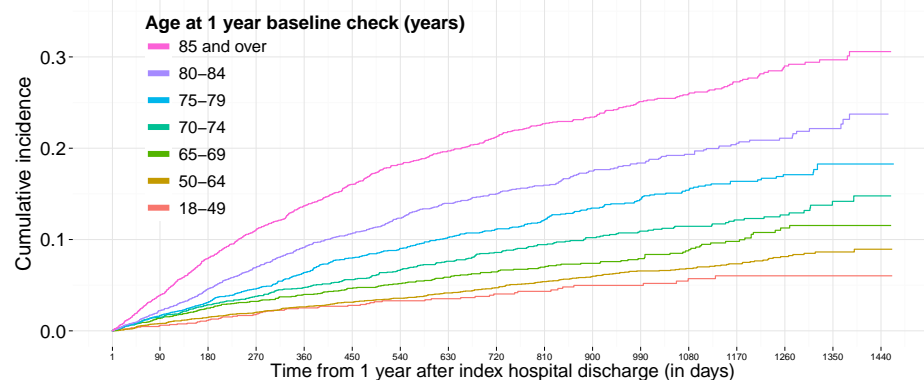
Cumulative incidence of Composite end-point, stratified by Age at 1 year baseline check (years) in Group 2.

The follow-up time in different panels is A: from the 1-year baseline check to the end of study, B: from the 1-year baseline check to 1 year onwards,

C: from the 1-year baseline check +1 year to 1 year onwards, D: from the 1-year baseline check +2 years to the end of study.

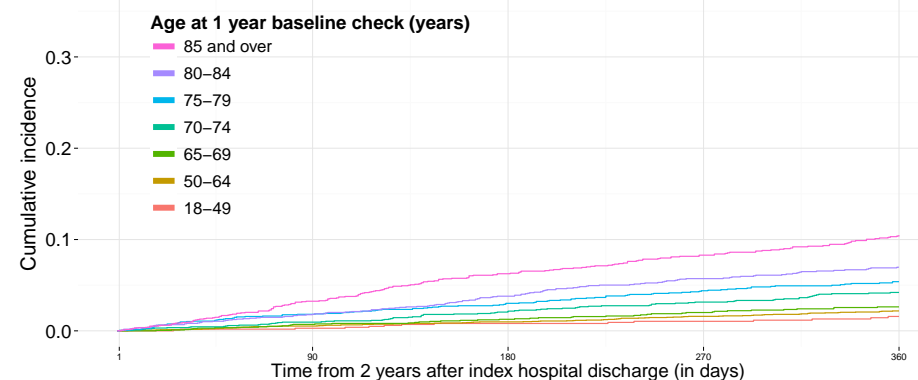
A Including only patients with a 5-year MI-free history before the index MI event.

C



Age at 1 year baseline check (years)	85 and over	80-84	75-79	70-74	65-69	50-64	18-49
85 and over	3983	3455	2937	2523	2130	1790	1530
80-84	3542	3190	2888	2557	2249	1968	1696
75-79	3477	3190	2894	2601	2298	2018	1803
70-74	3299	3018	2764	2531	2288	2061	1832
65-69	3104	2824	2566	2332	2091	1871	1676
50-64	6914	6388	5958	5465	4951	4512	4096
18-49	1508	1393	1291	1107	1000	890	802

Number of patients at risk, stratified by Age at 1 year baseline check (years)

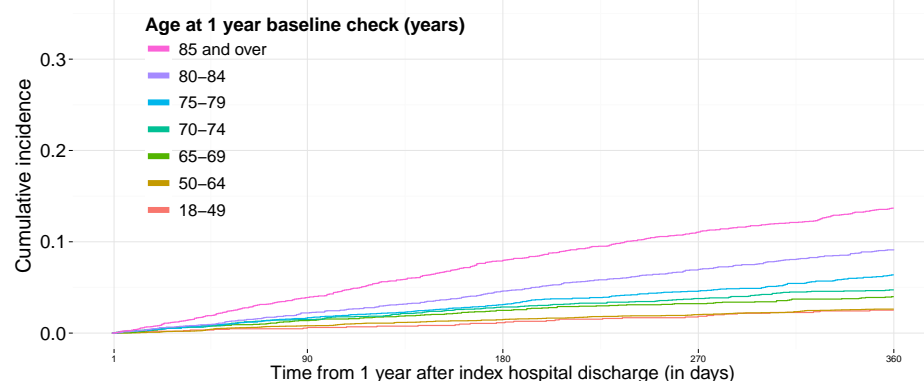


Age at 1 year baseline check (years)	85 and over	80-84	75-79	70-74	65-69	50-64	18-49
85 and over	2129	1790	1530	1279	1035		
80-84	2243	1968	1696	1445	1204		
75-79	2296	2018	1803	1569	1358		
70-74	2285	2061	1832	1617	1396		
65-69	2084	1871	1676	1480	1272		
50-64	4949	4512	4096	3674	3221		
18-49	1106	1000	890	802	696		

Number of patients at risk, stratified by Age at 1 year baseline check (years)

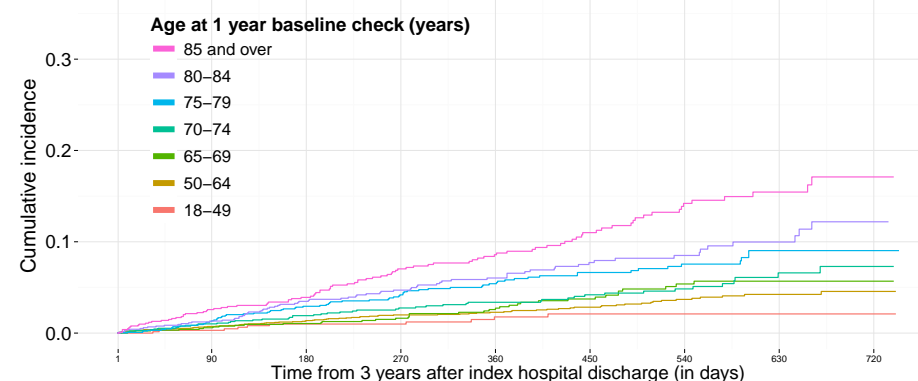
B

D



Age at 1 year baseline check (years)	85 and over	80-84	75-79	70-74	65-69	50-64	18-49
85 and over	3983	3455	2937	2523	2130		
80-84	3542	3190	2888	2557	2249		
75-79	3477	3190	2894	2601	2298		
70-74	3299	3018	2764	2531	2288		
65-69	3104	2824	2566	2332	2091		
50-64	6914	6388	5958	5465	4951		
18-49	1508	1393	1291	1107	1000		

Number of patients at risk, stratified by Age at 1 year baseline check (years)



Age at 1 year baseline check (years)	85 and over	80-84	75-79	70-74	65-69	50-64	18-49
85 and over	1034	833	673	520	408	282	187
80-84	1204	1004	828	650	510	377	242
75-79	1358	1173	991	824	648	474	328
70-74	1396	1172	999	821	679	530	359
65-69	1270	1103	933	768	621	459	312
50-64	3220	2774	2406	1984	1550	1188	819
18-49	696	606	528	433	342	255	186

Number of patients at risk, stratified by Age at 1 year baseline check (years)

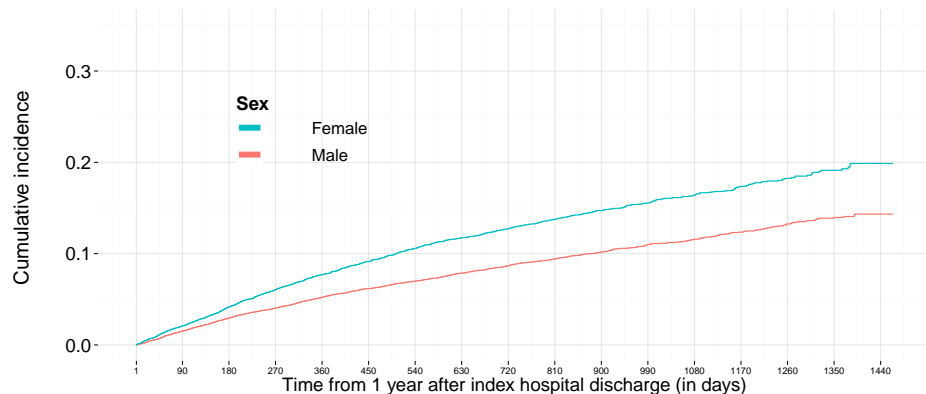
Cumulative incidence of Composite end-point , stratified by Sex in Group 2 .

The follow-up time in different panels is A: from the 1-year baseline check to the end of study, B: from the 1-year baseline check to 1 year onwards, C: from the 1-year baseline check +1 year to 1 year onwards, D: from the 1-year baseline check +2 years to the end of study.

A

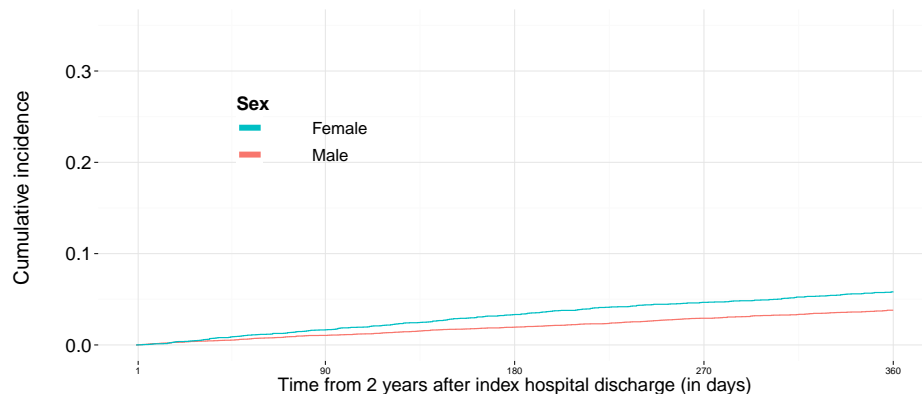
Including only patients with a 5-year MI-free history before the index MI event.

C



Female	9741	8797	7899	7070	6232	5520	4861	4232	3607	3063	2567	2071	1665	1238	835	425	74
Male	16086	14661	13399	12140	10882	9700	8662	7634	6575	5602	4791	3929	3093	2327	1598	845	144

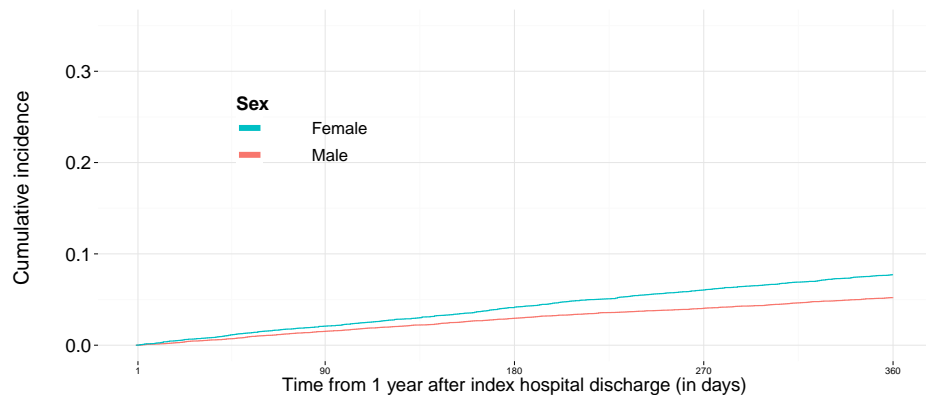
Number of patients at risk, stratified by Sex



Female	6223		5520		4861		4232		3607
Male	10869		9700		8662		7634		6575

Number of patients at risk, stratified by Sex

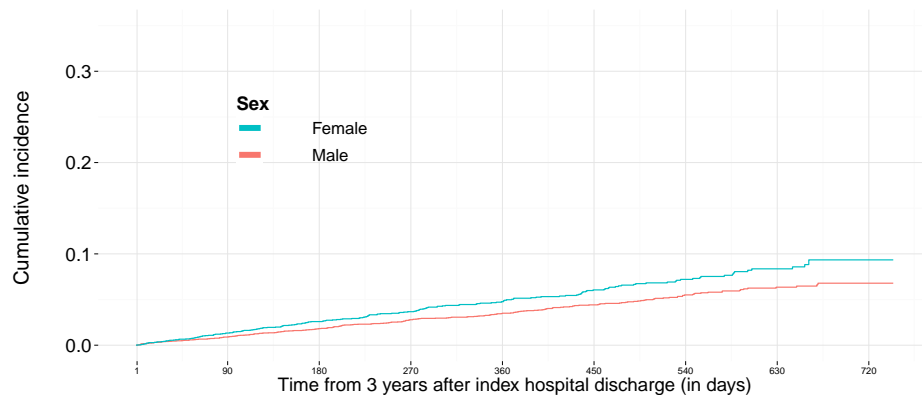
B



Female	9741		8797		7899		7070		6232
Male	16086		14661		13399		12140		10882

Number of patients at risk, stratified by Sex

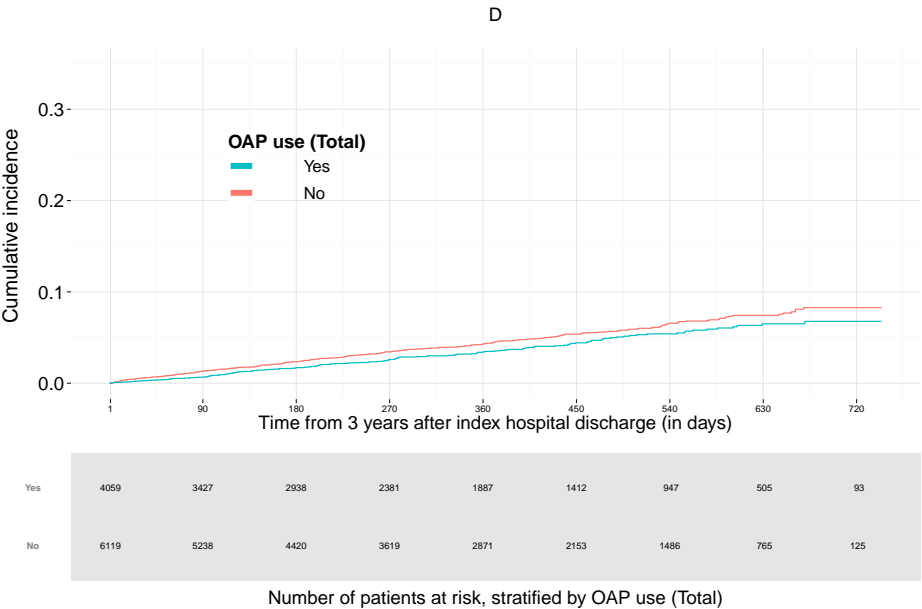
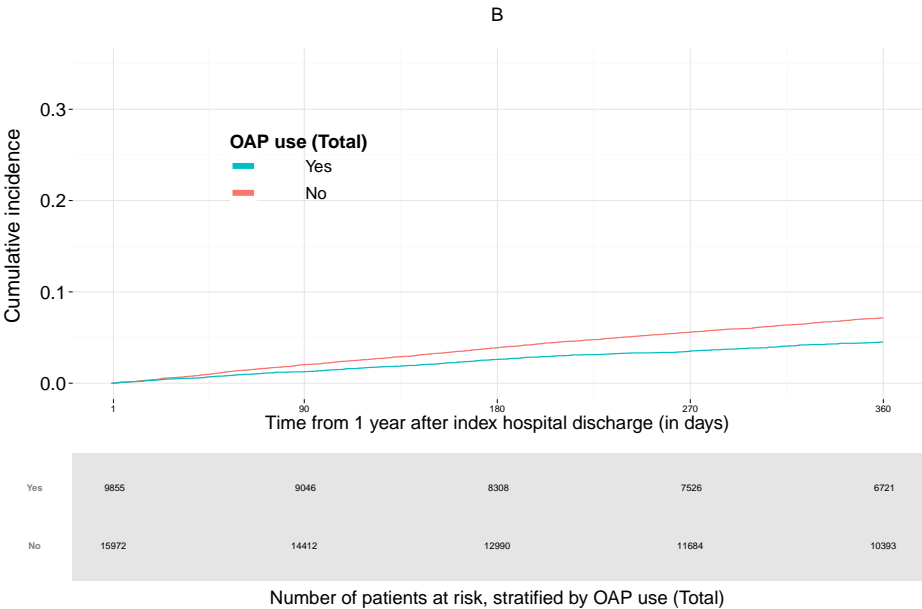
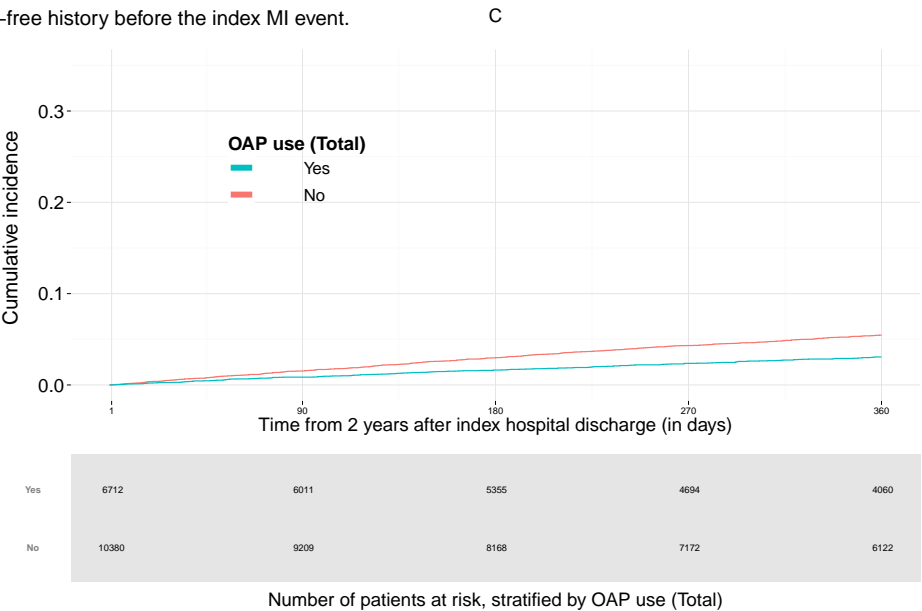
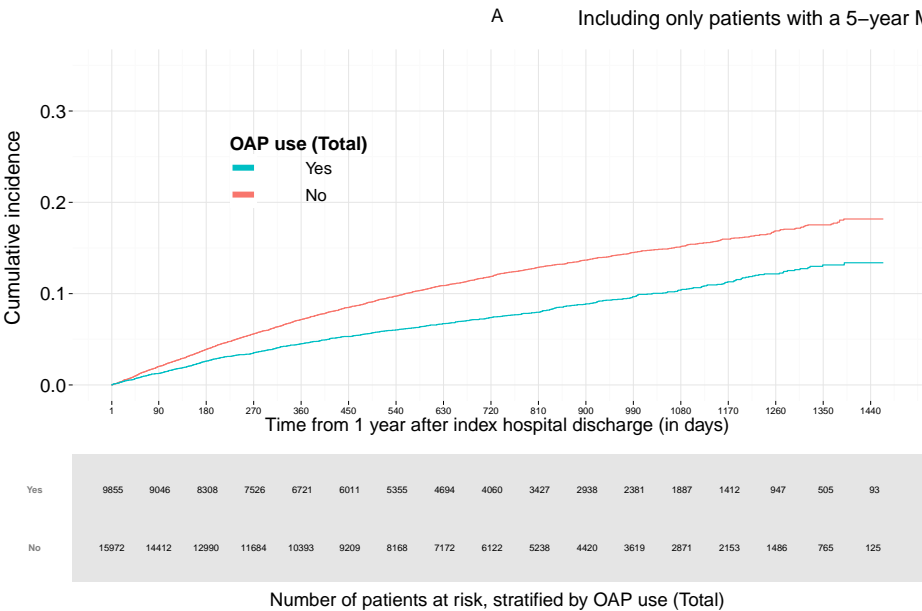
D



Female	3606	3063	2567	2071	1665	1238	835	425	74
Male	6572	5602	4791	3929	3093	2327	1598	845	144

Number of patients at risk, stratified by Sex

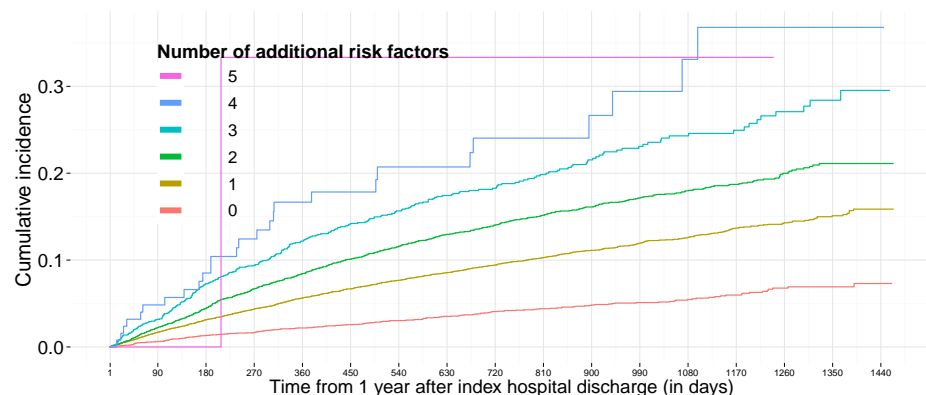
Cumulative incidence of Composite end-point , stratified by OAP use (Total) in Group 2 .
The follow-up time in different panels is A: from the 1-year baseline check to the end of study, B: from the 1-year baseline check to 1 year onwards,
C: from the 1-year baseline check +1 year to 1 year onwards, D: from the 1-year baseline check +2 years to the end of study.



Cumulative incidence of Composite end-point , stratified by Number of additional risk factors in Group 2 .
The follow-up time in different panels is A: from the 1-year baseline check to the end of study, B: from the 1-year baseline check to 1 year onwards,
C: from the 1-year baseline check +1 year to 1 year onwards, D: from the 1-year baseline check +2 years to the end of study.

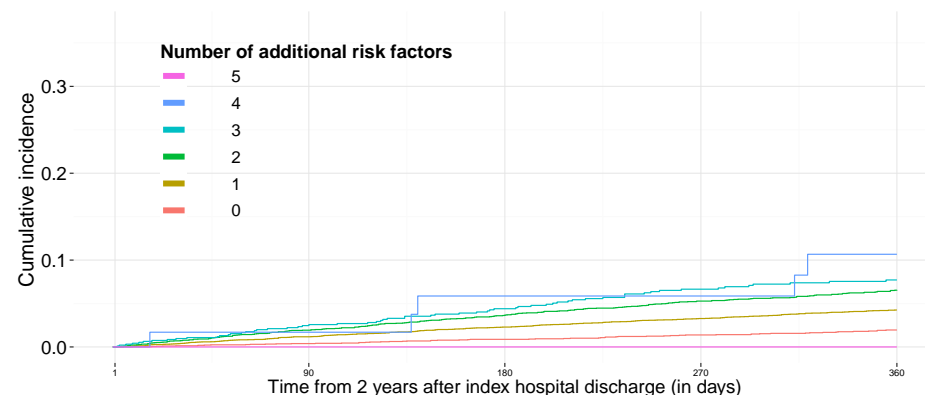
A Including only patients with a 5-year MI-free history before the index MI event.

C



5	3	3	3	1	1	1	1	1	1	1	1	1	1	0	0	0
4	127	108	90	76	61	50	42	34	26	23	17	14	11	9	6	4
3	1618	1429	1239	1100	943	815	723	612	500	404	337	255	200	147	97	49
2	6905	6188	5561	4936	4344	3795	3360	2914	2478	2085	1756	1404	1086	817	538	270
1	12060	10970	9965	8990	8014	7138	6315	5536	4763	4047	3420	2808	2263	1673	1152	608
0	5114	4760	4440	4107	3751	3421	3082	2769	2414	2105	1827	1518	1197	918	640	339

Number of patients at risk, stratified by Number of additional risk factors

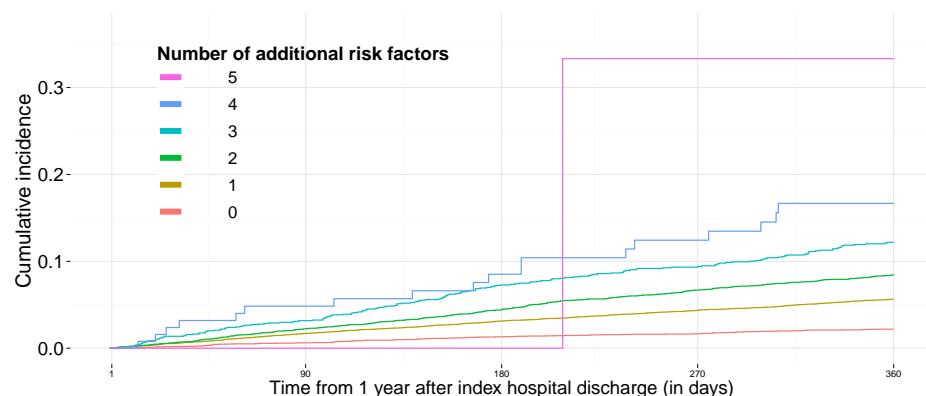


5	1	1	1	1	1
4	61	50	42	34	26
3	942	815	723	612	500
2	4337	3795	3360	2914	2478
1	8002	7138	6315	5536	4763
0	3749	3421	3082	2769	2414

Number of patients at risk, stratified by Number of additional risk factors

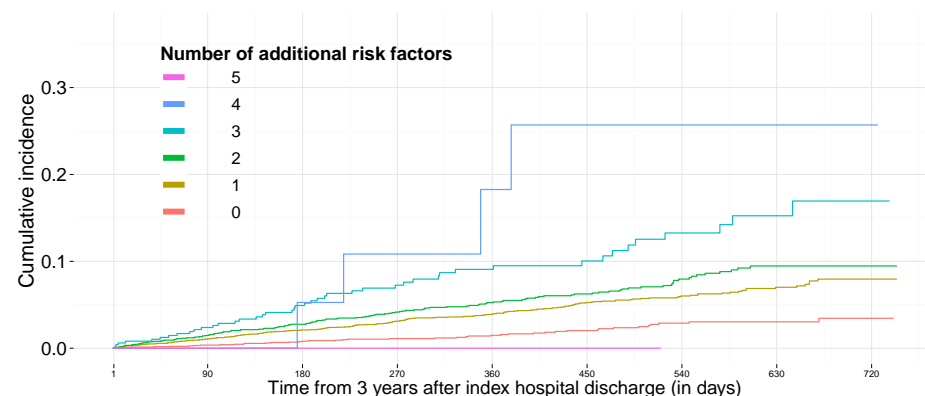
B

D



5	3	3	3	1	1
4	127	108	90	76	61
3	1618	1429	1239	1100	943
2	6905	6188	5561	4936	4344
1	12060	10970	9965	8990	8014
0	5114	4760	4440	4107	3751

Number of patients at risk, stratified by Number of additional risk factors



5	1	1	1	1	1	1	0	0	0
4	26	23	17	14	11	9	6	4	1
3	500	404	337	255	200	147	97	49	5
2	2476	2085	1756	1404	1086	817	538	270	54
1	4762	4047	3420	2808	2263	1673	1152	608	100
0	2413	2105	1827	1518	1197	918	640	339	58

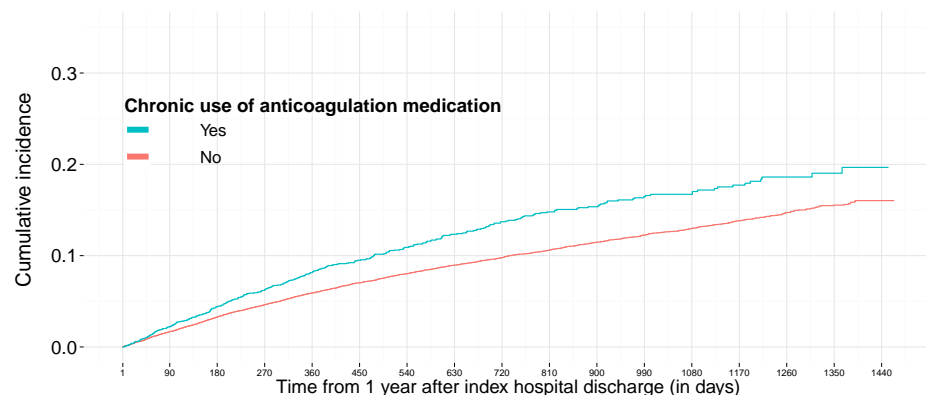
Number of patients at risk, stratified by Number of additional risk factors

Cumulative incidence of Composite end-point , stratified by Chronic use of anticoagulation medication in Group 2 .
The follow-up time in different panels is A: from the 1-year baseline check to the end of study, B: from the 1-year baseline check to 1 year onwards,
C: from the 1-year baseline check +1 year to 1 year onwards, D: from the 1-year baseline check +2 years to the end of study.

A

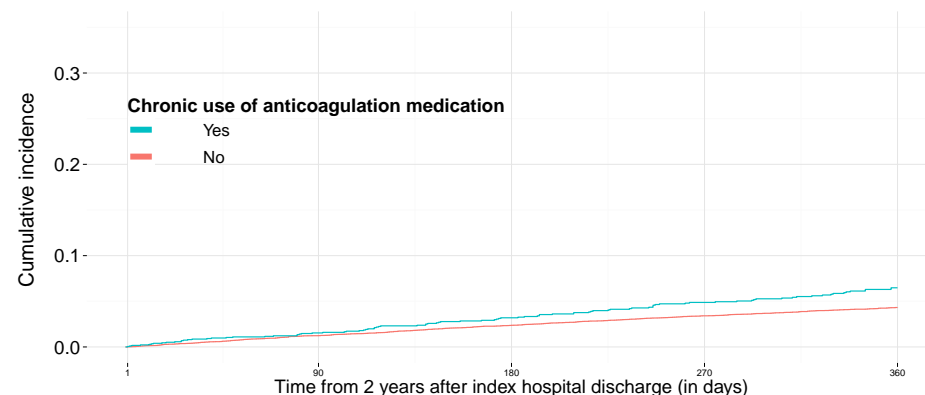
Including only patients with a 5-year MI-free history before the index MI event.

C



Yes	2857	2559	2267	2011	1768	1531	1334	1163	952	803	661	543	423	312	212	100	16
No	22970	20899	19031	17199	15346	13689	12189	10703	9230	7862	6697	5457	4335	3253	2221	1170	202

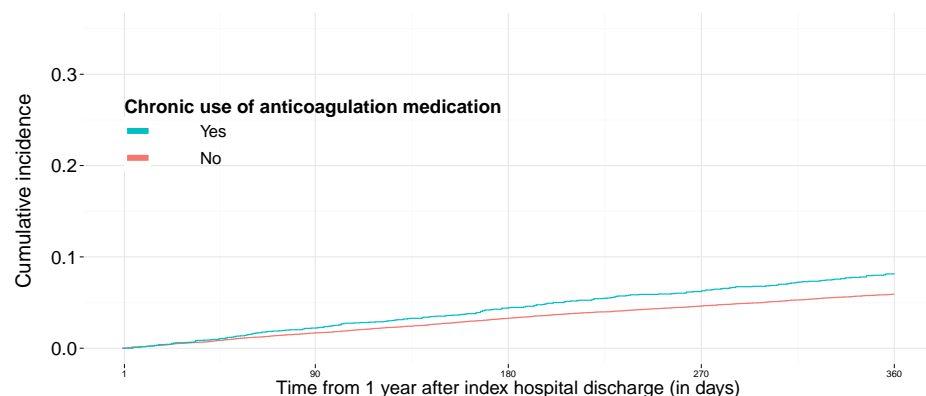
Number of patients at risk, stratified by Chronic use of anticoagulation medication



Yes	1766	1531	1334	1163	952
No	15326	13689	12189	10703	9230

Number of patients at risk, stratified by Chronic use of anticoagulation medication

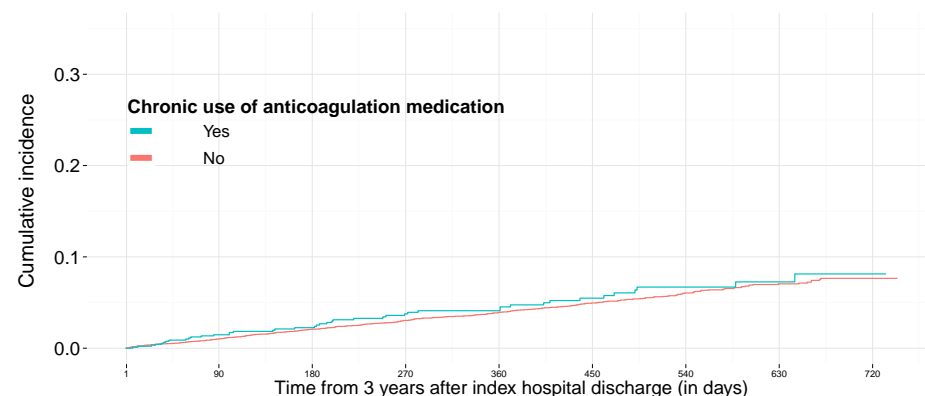
B



Yes	2857	2559	2267	2011	1768
No	22970	20899	19031	17199	15346

Number of patients at risk, stratified by Chronic use of anticoagulation medication

D



Yes	952	803	661	543	423	312	212	100	16
No	9226	7862	6697	5457	4335	3253	2221	1170	202

Number of patients at risk, stratified by Chronic use of anticoagulation medication

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2.2.3 Cumulative incidence of composite end-point for group 3 including only patients with a 5-year MI-free history before the index MI event.

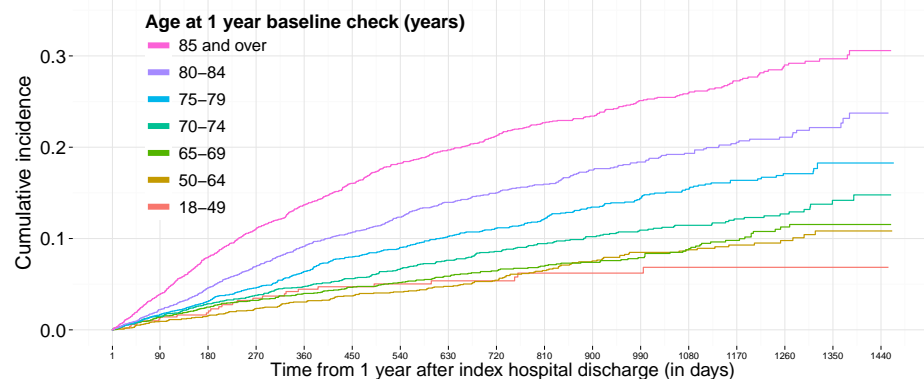
Cumulative incidence of Composite end-point, stratified by Age at 1 year baseline check (years) in Group 3.

The follow-up time in different panels is A: from the 1-year baseline check to the end of study, B: from the 1-year baseline check to 1 year onwards,

C: from the 1-year baseline check +1 year to 1 year onwards, D: from the 1-year baseline check +2 years to the end of study.

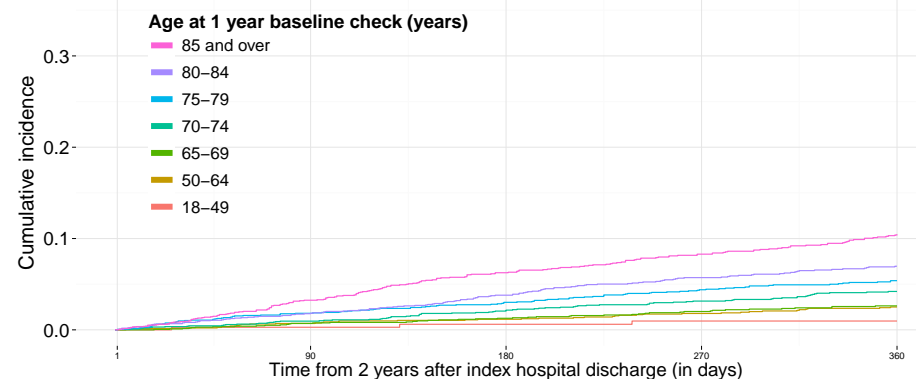
A Including only patients with a 5-year MI-free history before the index MI event.

C



85 and over	3983	3455	2937	2523	2130	1790	1530	1279	1035	833	673	520	408	282	187	96	16
80-84	3542	3190	2888	2557	2249	1968	1696	1445	1204	1004	828	650	510	377	242	118	15
75-79	3477	3190	2894	2601	2298	2018	1803	1569	1358	1173	991	824	648	474	328	173	31
70-74	3299	3018	2764	2531	2288	2061	1832	1617	1396	1172	999	821	679	530	359	178	39
65-69	3104	2824	2566	2332	2091	1871	1676	1490	1272	1103	933	768	621	459	312	159	26
50-64	2789	2553	2373	2157	1945	1762	1616	1443	1269	1075	928	750	581	436	302	165	29
18-49	519	468	436	402	362	329	288	264	234	200	179	149	114	89	63	42	4

Number of patients at risk, stratified by Age at 1 year baseline check (years)

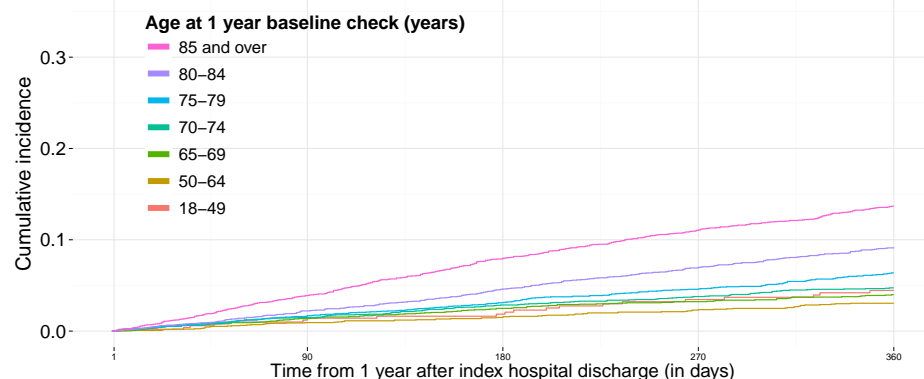


85 and over	2129	1790	1530	1279	1035
80-84	2243	1968	1696	1445	1204
75-79	2296	2018	1803	1569	1358
70-74	2285	2061	1832	1617	1396
65-69	2084	1871	1676	1480	1272
50-64	1944	1762	1616	1443	1269
18-49	362	329	288	264	234

Number of patients at risk, stratified by Age at 1 year baseline check (years)

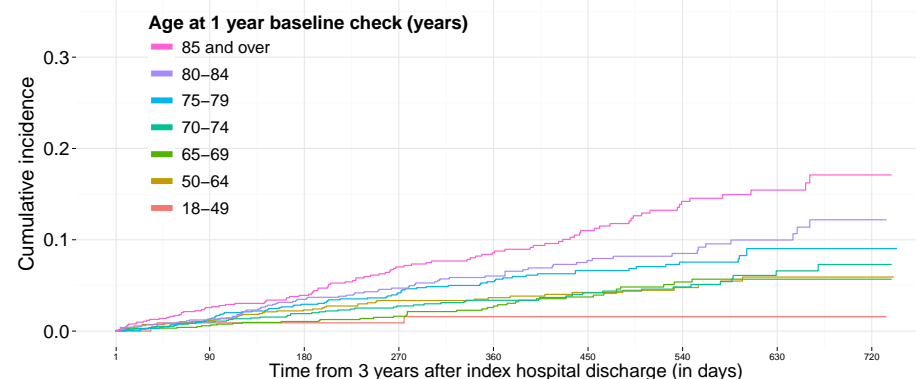
B

D



85 and over	3983	3455	2937	2523	2130
80-84	3542	3190	2888	2557	2249
75-79	3477	3190	2894	2601	2298
70-74	3299	3018	2764	2531	2288
65-69	3104	2824	2566	2332	2091
50-64	2789	2553	2373	2157	1945
18-49	519	468	436	402	362

Number of patients at risk, stratified by Age at 1 year baseline check (years)



85 and over	1034	833	673	520	408	282	187	96	16
80-84	1204	1004	828	650	510	377	242	118	15
75-79	1358	1173	991	824	648	474	328	173	31
70-74	1396	1172	999	821	679	530	359	178	39
65-69	1270	1103	933	768	621	459	312	159	26
50-64	1269	1075	928	750	581	436	302	165	29
18-49	234	200	179	149	114	89	63	42	4

Number of patients at risk, stratified by Age at 1 year baseline check (years)

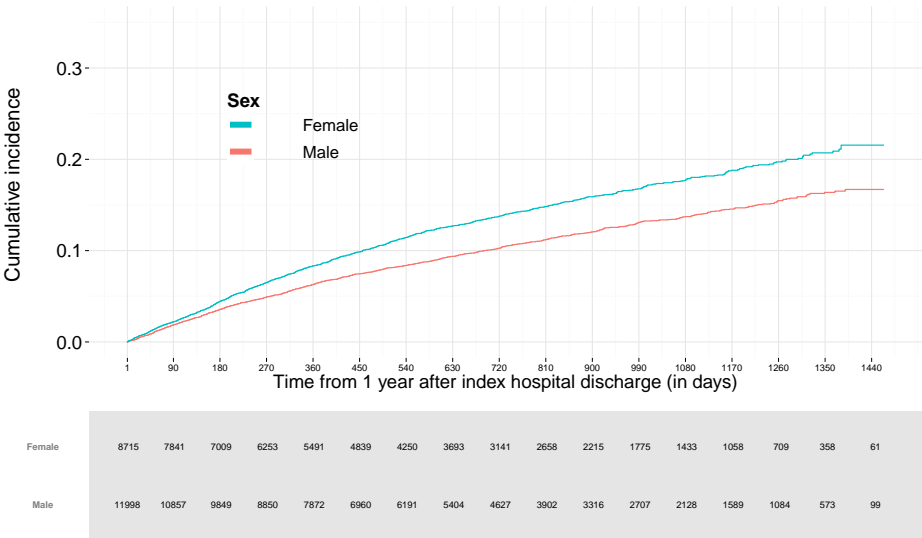
Cumulative incidence of Composite end-point , stratified by Sex in Group 3 .

The follow-up time in different panels is A: from the 1-year baseline check to the end of study, B: from the 1-year baseline check to 1 year onwards, C: from the 1-year baseline check +1 year to 1 year onwards, D: from the 1-year baseline check +2 years to the end of study.

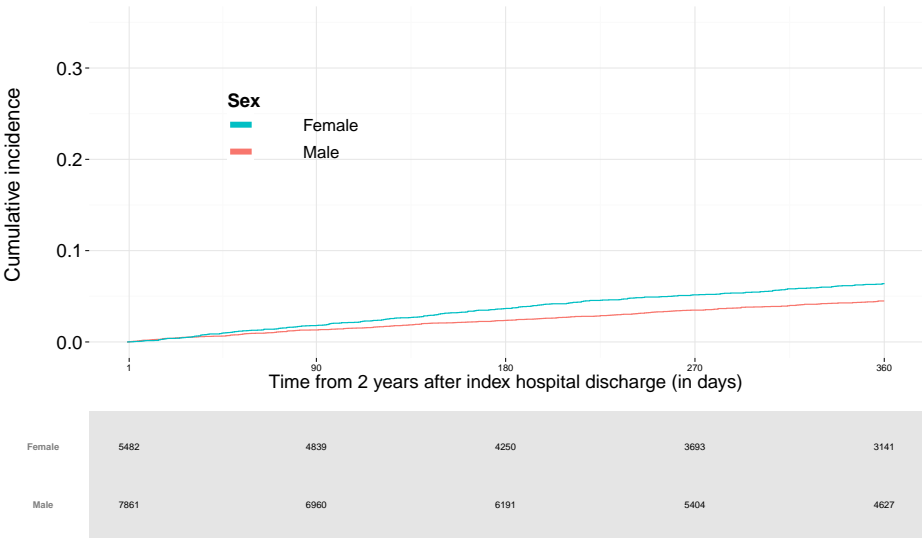
A

Including only patients with a 5-year MI-free history before the index MI event.

C

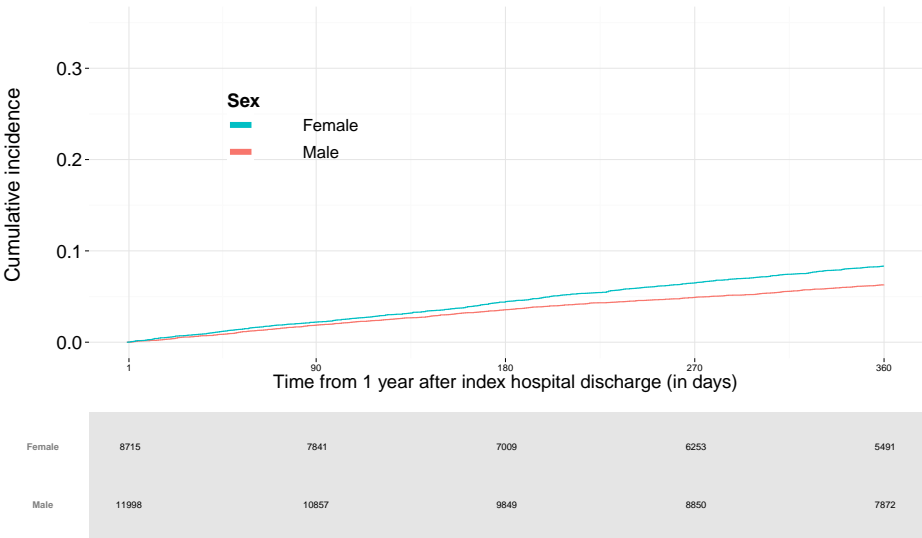


Number of patients at risk, stratified by Sex



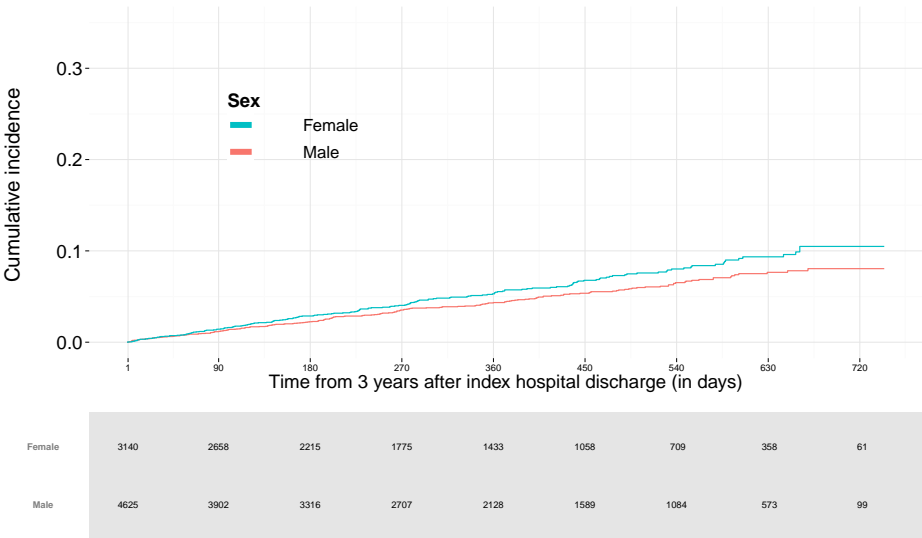
Number of patients at risk, stratified by Sex

B



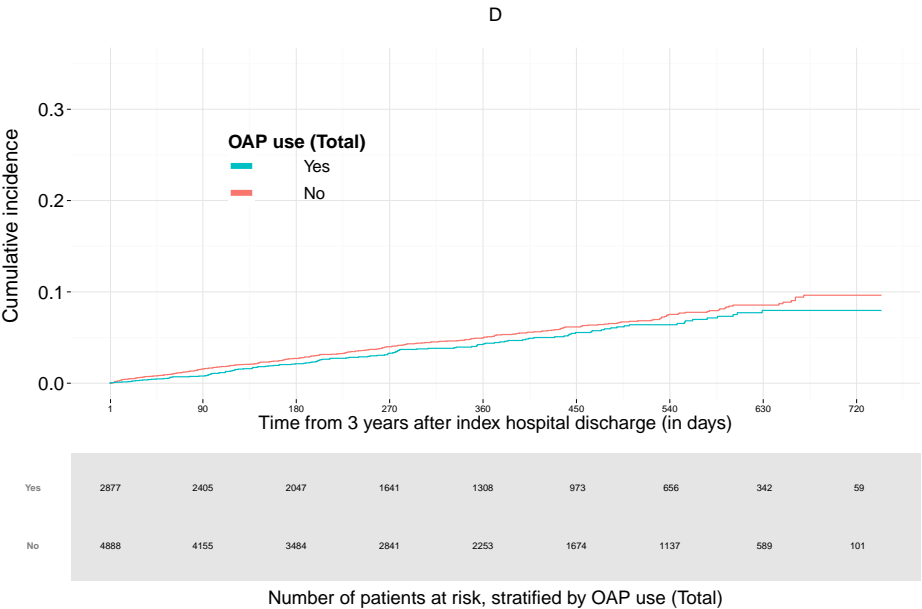
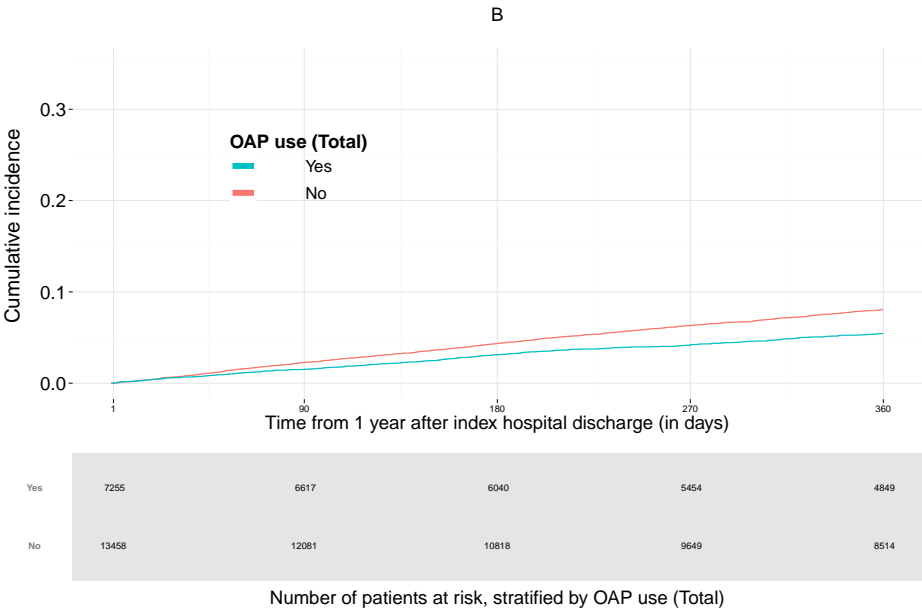
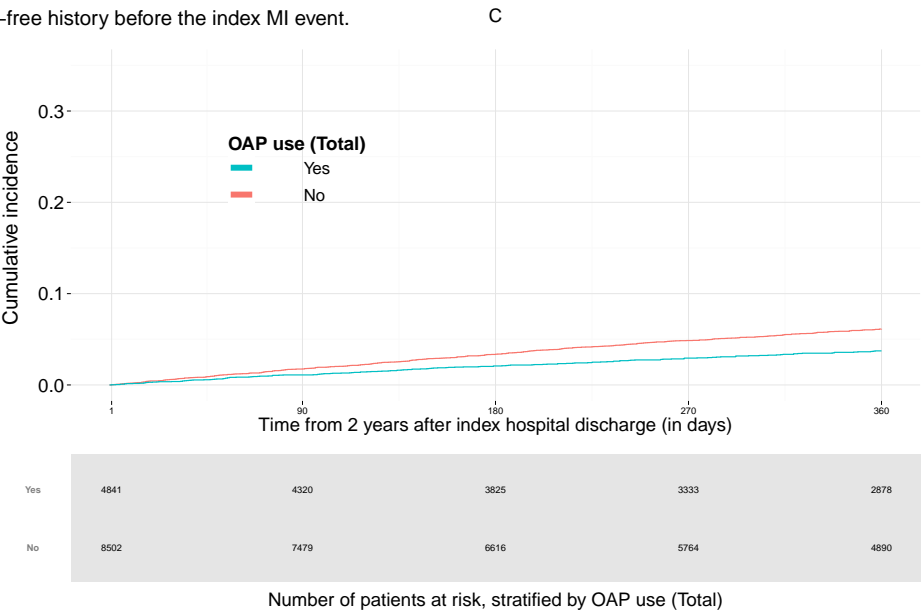
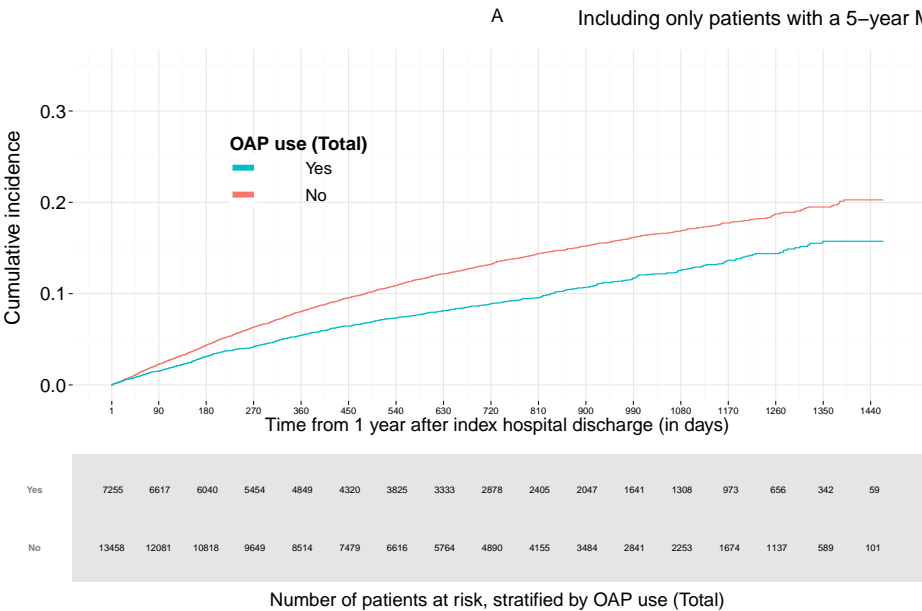
Number of patients at risk, stratified by Sex

D



Number of patients at risk, stratified by Sex

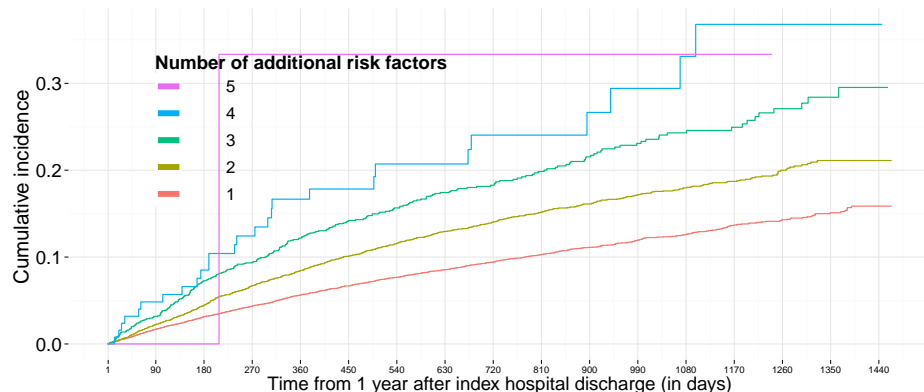
Cumulative incidence of Composite end-point , stratified by OAP use (Total) in Group 3 .
The follow-up time in different panels is A: from the 1-year baseline check to the end of study, B: from the 1-year baseline check to 1 year onwards,
C: from the 1-year baseline check +1 year to 1 year onwards, D: from the 1-year baseline check +2 years to the end of study.



Cumulative incidence of Composite end-point , stratified by Number of additional risk factors in Group 3 .
The follow-up time in different panels is A: from the 1-year baseline check to the end of study, B: from the 1-year baseline check to 1 year onwards,
C: from the 1-year baseline check +1 year to 1 year onwards, D: from the 1-year baseline check +2 years to the end of study.

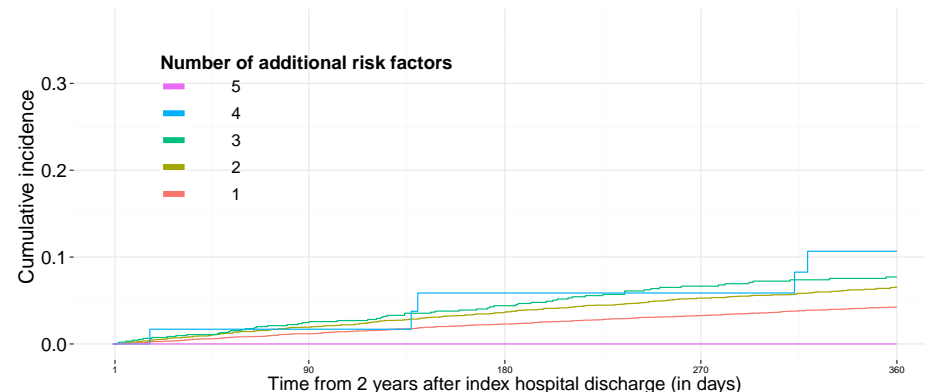
A Including only patients with a 5-year MI-free history before the index MI event.

C



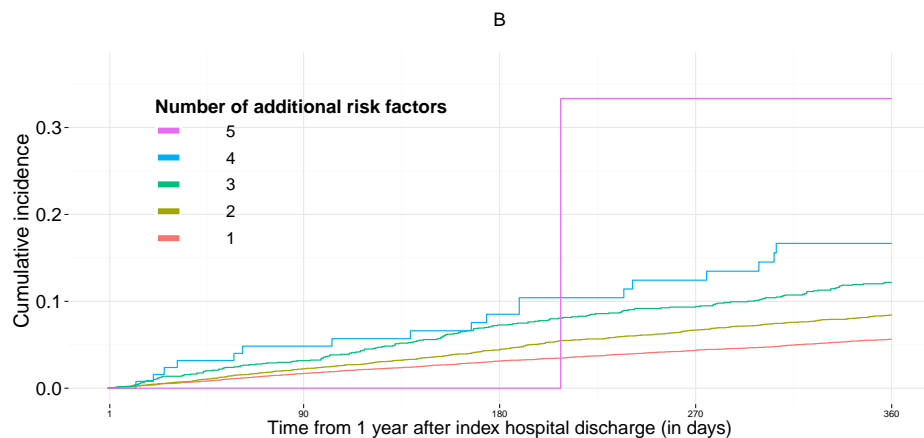
5	3	3	3	1	1	1	1	1	1	1	1	1	1	1	0	0	0
4	127	108	90	76	61	50	42	34	26	23	17	14	11	9	6	4	1
3	1618	1429	1239	1100	943	815	723	612	500	404	337	255	200	147	97	49	5
2	6905	6188	5561	4936	4344	3795	3360	2914	2478	2085	1756	1404	1086	817	538	270	54
1	12060	10970	9965	8990	8014	7138	6315	5536	4763	4047	3420	2808	2263	1673	1152	608	100

Number of patients at risk, stratified by Number of additional risk factors



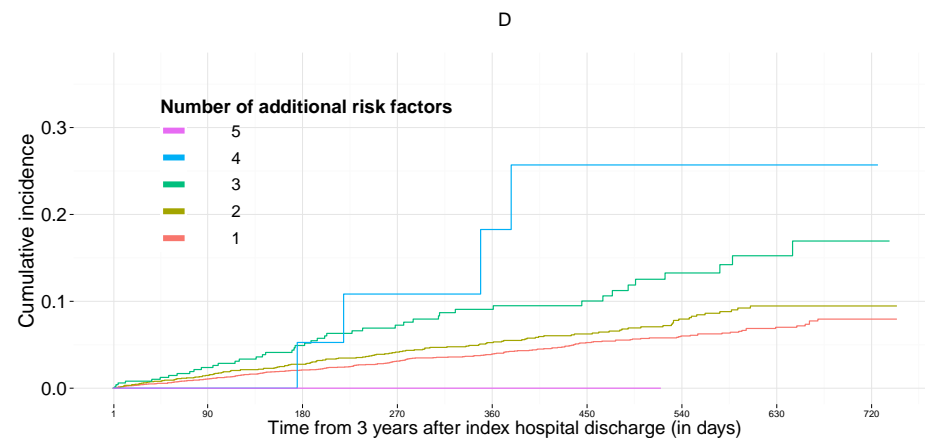
5	1	1	1	1	1	0	0	1
4	61	50	42	34	26			
3	942	815	723	612	500			
2	4337	3795	3360	2914	2478			
1	8002	7138	6315	5536	4763			

Number of patients at risk, stratified by Number of additional risk factors



5	3	3	3	1	1
4	127	108	90	76	61
3	1618	1429	1239	1100	943
2	6905	6188	5561	4936	4344
1	12060	10970	9965	8990	8014

Number of patients at risk, stratified by Number of additional risk factors



5	1	1	1	1	1	0	0	0
4	26	23	17	14	11	9	6	4
3	500	404	337	255	200	147	97	49
2	2476	2085	1756	1404	1086	817	538	270
1	4762	4047	3420	2808	2263	1673	1152	608

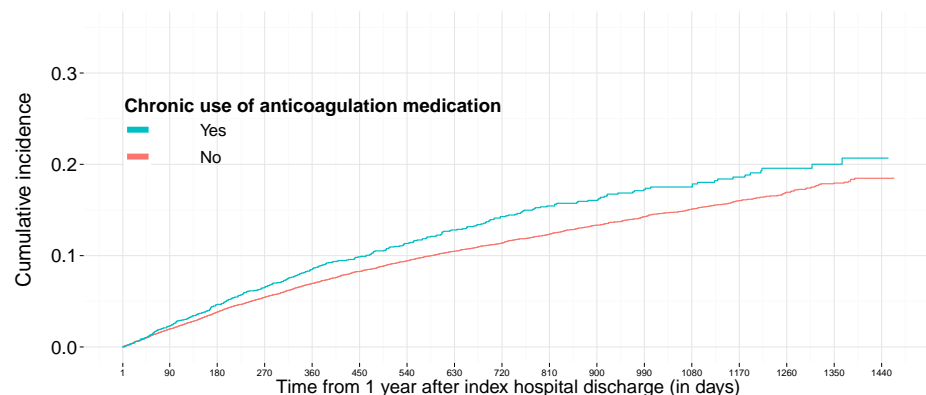
Number of patients at risk, stratified by Number of additional risk factors

Cumulative incidence of Composite end-point, stratified by Chronic use of anticoagulation medication in Group 3.
The follow-up time in different panels is A: from the 1-year baseline check to the end of study, B: from the 1-year baseline check to 1 year onwards,
C: from the 1-year baseline check +1 year to 1 year onwards, D: from the 1-year baseline check +2 years to the end of study.

A

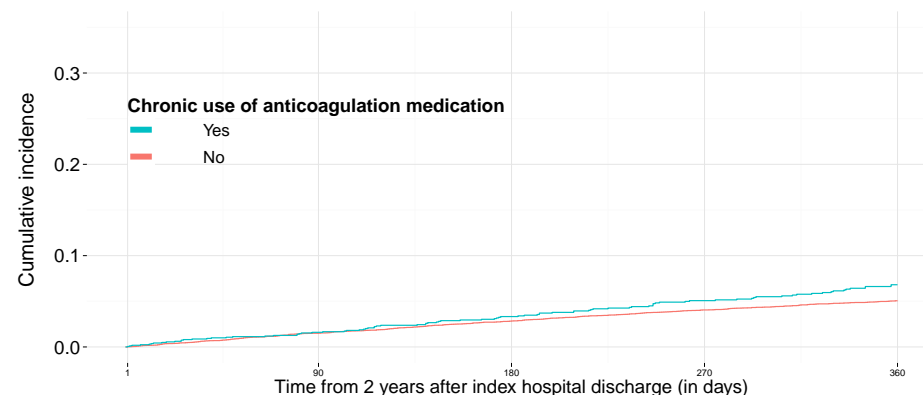
Including only patients with a 5-year MI-free history before the index MI event.

C



Yes	2670	2386	2109	1864	1631	1407	1227	1062	869	730	600	491	380	278	189	92	16
No	18043	16312	14749	13239	11732	10392	9214	8035	6899	5830	4931	3991	3181	2369	1604	839	144

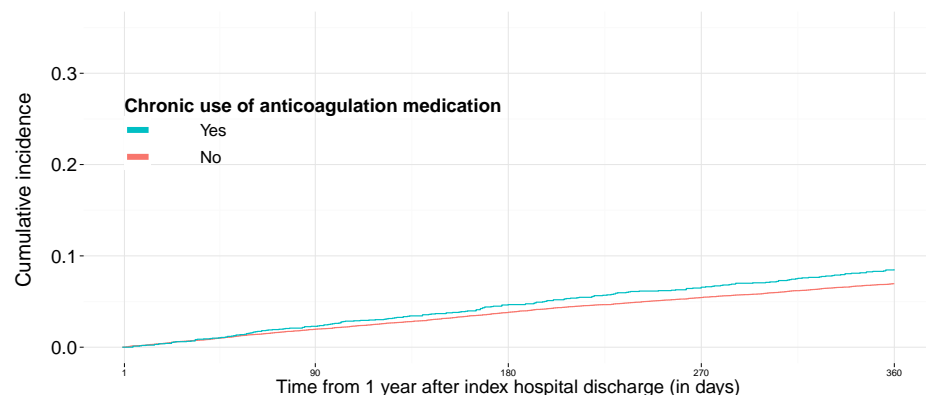
Number of patients at risk, stratified by Chronic use of anticoagulation medication



Yes	1629	1407	1227	1062	869
No	11714	10392	9214	8035	6899

Number of patients at risk, stratified by Chronic use of anticoagulation medication

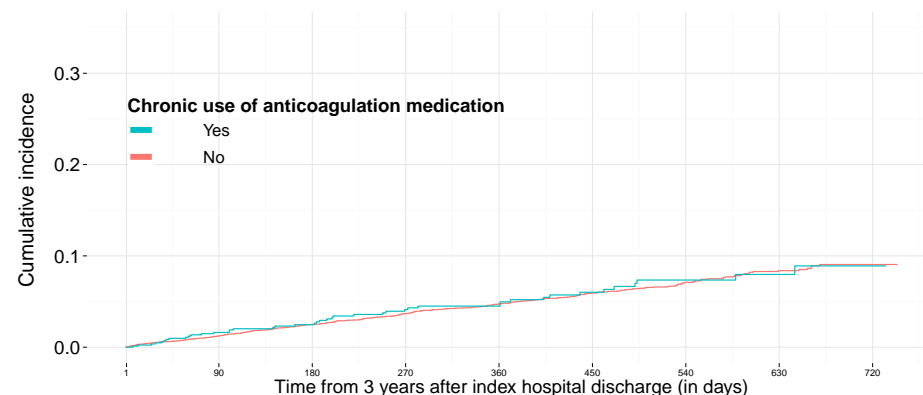
B



Yes	2670	2386	2109	1864	1631
No	18043	16312	14749	13239	11732

Number of patients at risk, stratified by Chronic use of anticoagulation medication

D



Yes	869	730	600	491	380	278	189	92	16
No	6896	5830	4931	3991	3181	2369	1604	839	144

Number of patients at risk, stratified by Chronic use of anticoagulation medication

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2.2.4 Cumulative incidence of composite end-point for group 4 including only patients with a 5-year MI-free history before the index MI event.

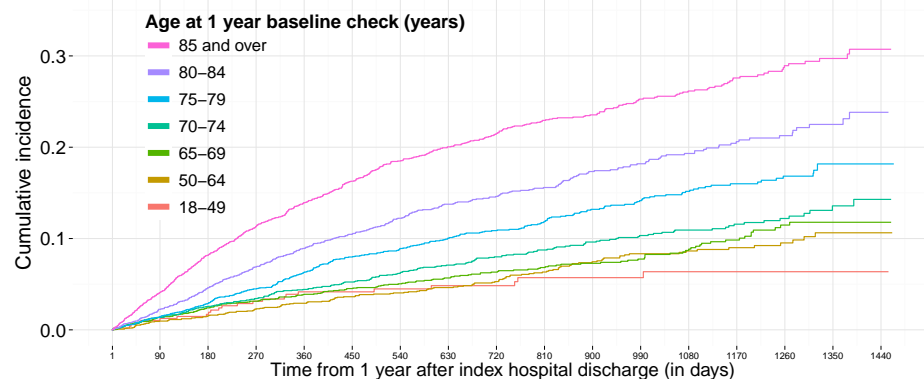
Cumulative incidence of Composite end-point, stratified by Age at 1 year baseline check (years) in Group 4.

The follow-up time in different panels is A: from the 1-year baseline check to the end of study, B: from the 1-year baseline check to 1 year onwards,

C: from the 1-year baseline check +1 year to 1 year onwards, D: from the 1-year baseline check +2 years to the end of study.

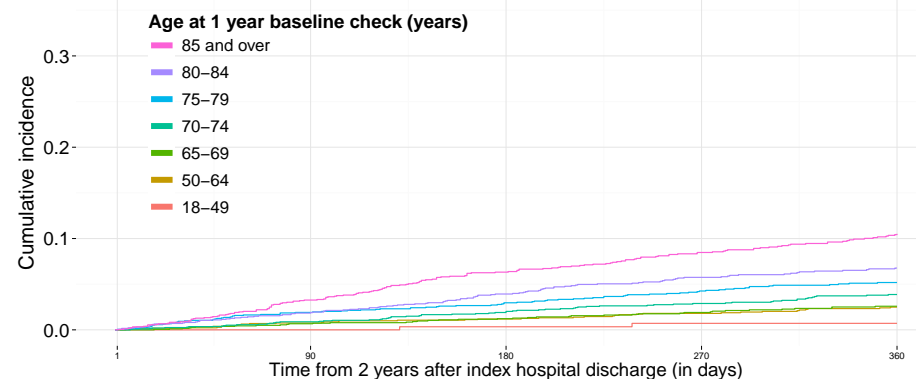
A Including only patients with a 5-year MI-free history before the index MI event.

C



85 and over	3391	2934	2498	2148	1828	1536	1318	1096	894	721	575	438	346	240	163	85	14
80-84	2928	2645	2404	2135	1881	1659	1430	1213	1020	851	704	552	432	321	205	100	13
75-79	2949	2715	2465	2217	1966	1730	1545	1350	1172	1010	864	711	568	415	287	152	26
70-74	2876	2638	2429	2229	2011	1823	1624	1435	1247	1049	891	741	608	475	320	156	35
65-69	2805	2555	2327	2114	1892	1693	1518	1342	1153	997	847	696	564	417	280	146	25
50-64	2593	2372	2205	2008	1805	1634	1501	1345	1187	1009	875	708	552	414	287	158	27
18-49	501	453	421	388	349	317	278	254	226	193	175	145	111	87	62	42	4

Number of patients at risk, stratified by Age at 1 year baseline check (years)

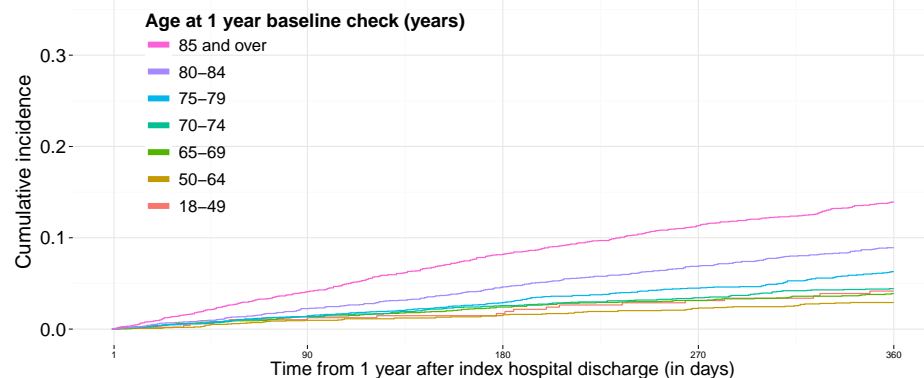


85 and over	1827	1536	1318	1096	894
80-84	1877	1659	1430	1213	1020
75-79	1964	1730	1545	1350	1172
70-74	2008	1823	1624	1435	1247
65-69	1885	1693	1518	1342	1153
50-64	1804	1634	1501	1345	1187
18-49	349	317	278	254	226

Number of patients at risk, stratified by Age at 1 year baseline check (years)

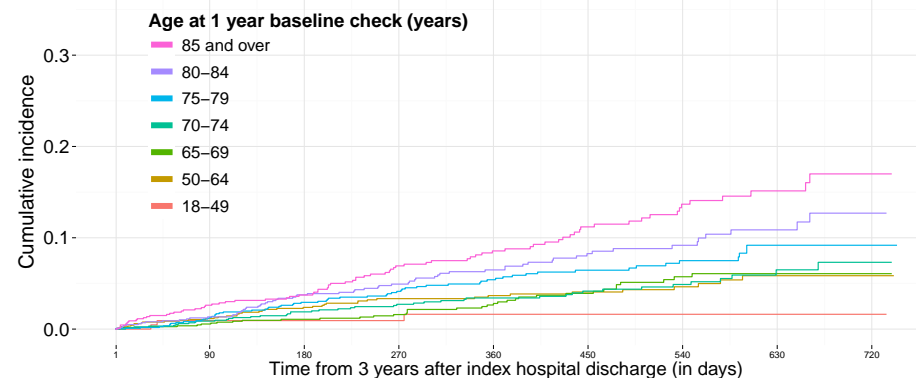
B

D



85 and over	3391	2934	2498	2148	1828
80-84	2928	2645	2404	2135	1881
75-79	2949	2715	2465	2217	1966
70-74	2876	2638	2429	2229	2011
65-69	2805	2555	2327	2114	1892
50-64	2593	2372	2205	2008	1805
18-49	501	453	421	388	349

Number of patients at risk, stratified by Age at 1 year baseline check (years)



85 and over	893	721	575	438	346	240	163	85	14
80-84	1020	851	704	552	432	321	205	100	13
75-79	1127	1010	864	711	568	415	287	152	26
70-74	1247	1049	891	741	608	475	320	156	35
65-69	1151	997	847	696	564	417	280	146	25
50-64	1187	1009	875	708	552	414	287	158	27
18-49	226	193	175	145	111	87	62	42	4

Number of patients at risk, stratified by Age at 1 year baseline check (years)

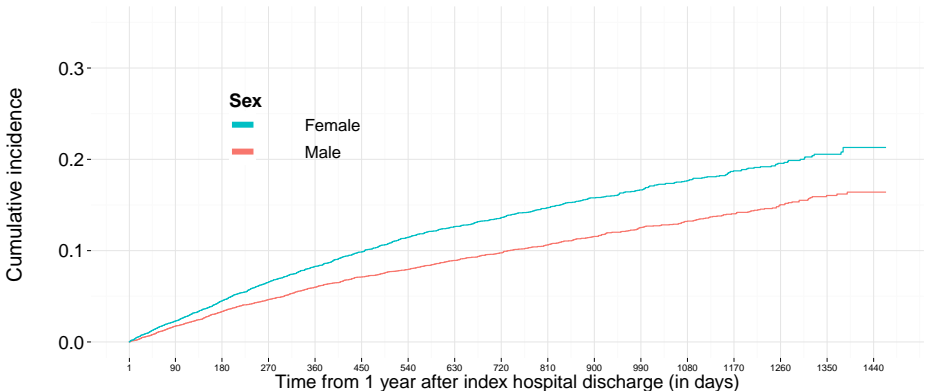
Cumulative incidence of Composite end-point , stratified by Sex in Group 4 .

The follow-up time in different panels is A: from the 1-year baseline check to the end of study, B: from the 1-year baseline check to 1 year onwards, C: from the 1-year baseline check +1 year to 1 year onwards, D: from the 1-year baseline check +2 years to the end of study.

A

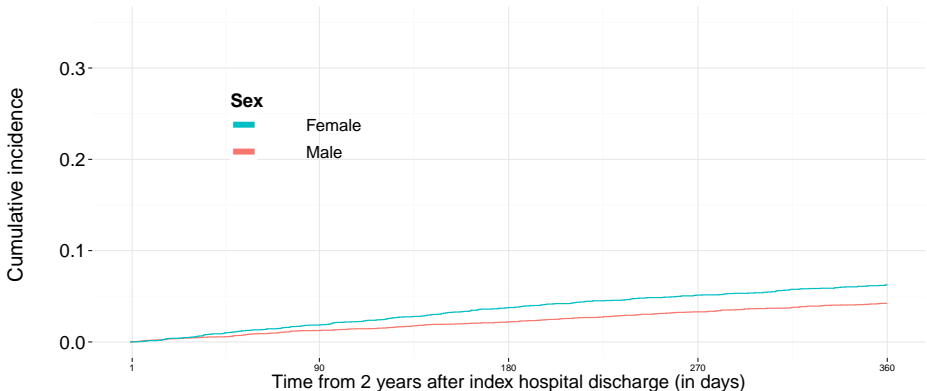
Including only patients with a 5-year MI-free history before the index MI event.

C



Female	7570	6824	6118	5465	4814	4252	3739	3249	2781	2356	1969	1574	1274	943	626	321	56
Male	10473	9488	8631	7774	6918	6140	5475	4786	4118	3474	2962	2417	1907	1426	978	518	88

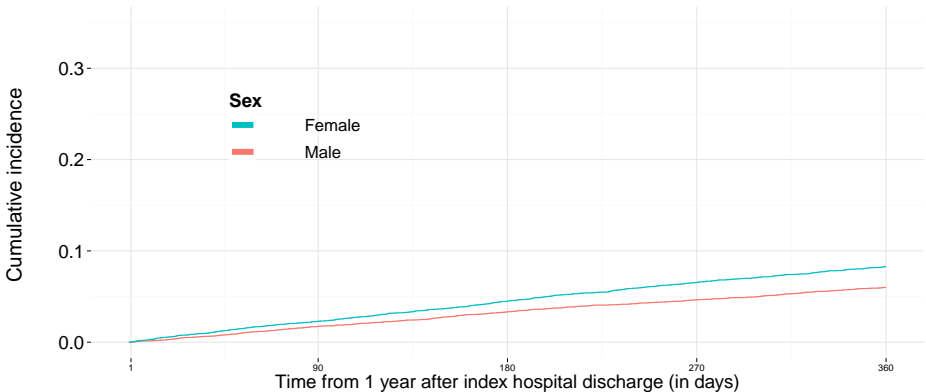
Number of patients at risk, stratified by Sex



Female	4806	4252	3739	3249	2781
Male	6908	6140	5475	4786	4118

Number of patients at risk, stratified by Sex

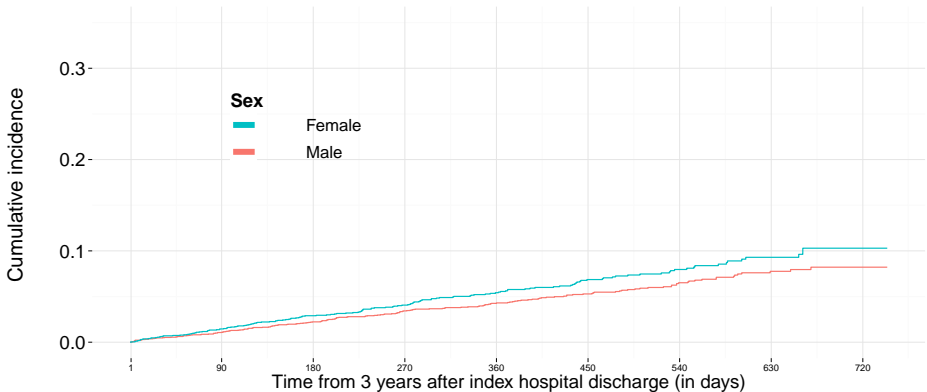
B



Female	7570	6824	6118	5465	4814
Male	10473	9488	8631	7774	6918

Number of patients at risk, stratified by Sex

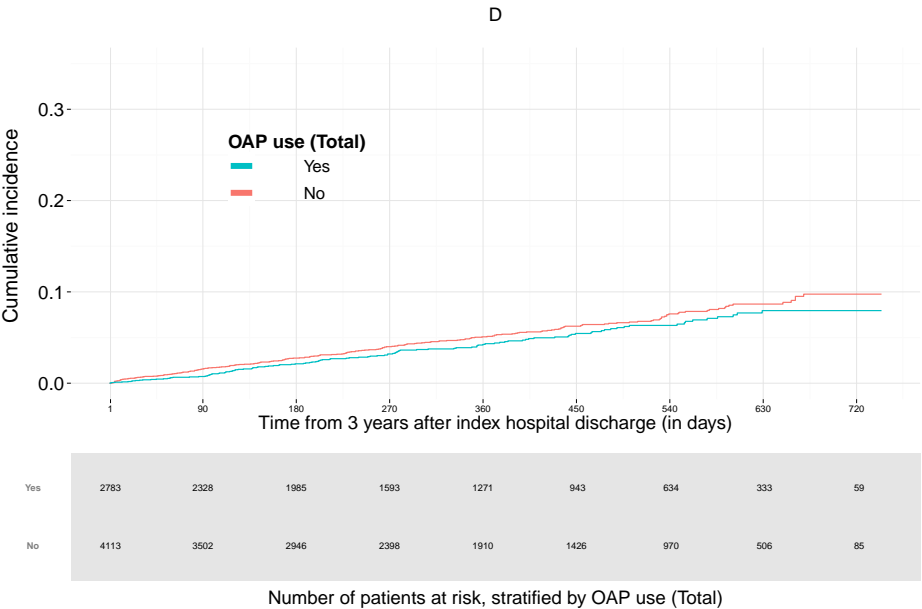
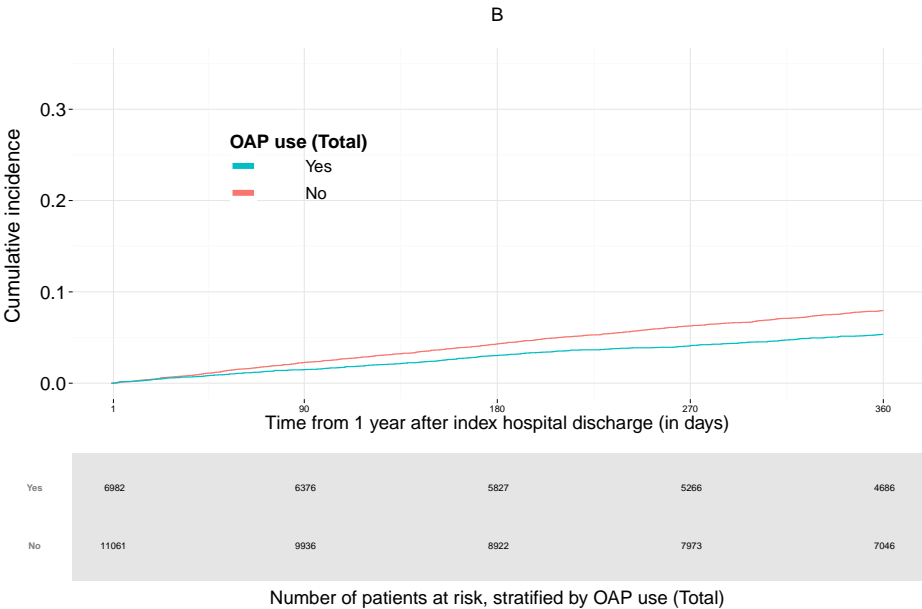
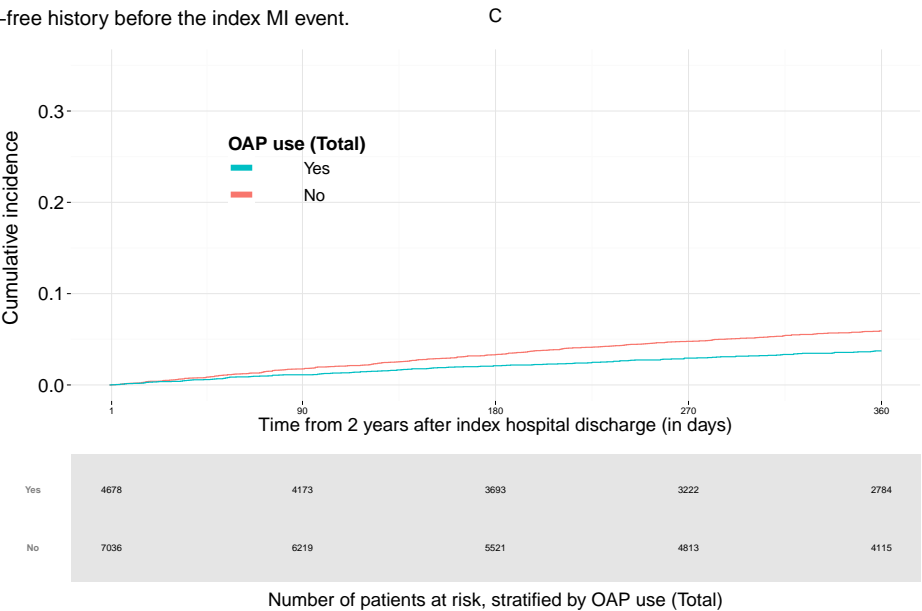
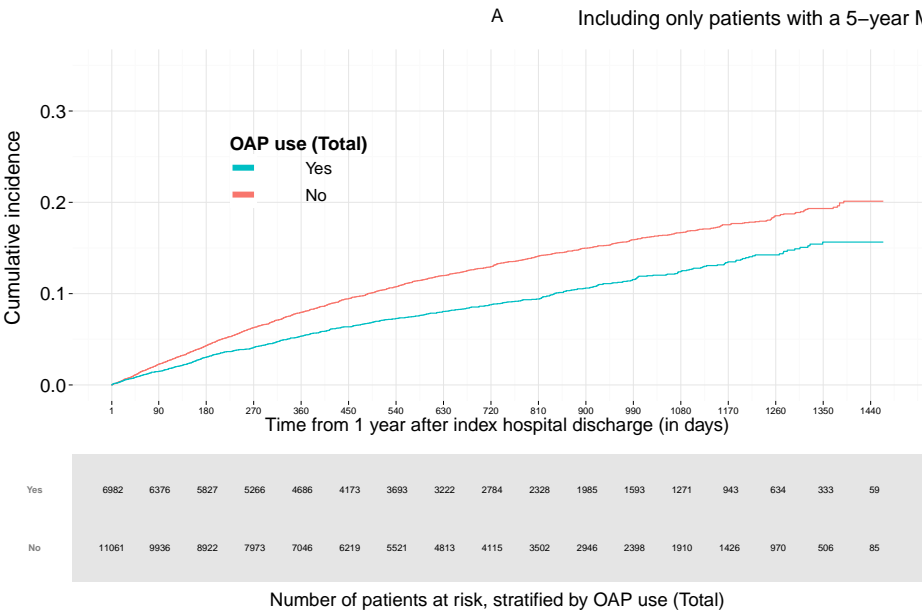
D



Female	2780	2356	1969	1574	1274	943	626	321	56
Male	4116	3474	2962	2417	1907	1426	978	518	88

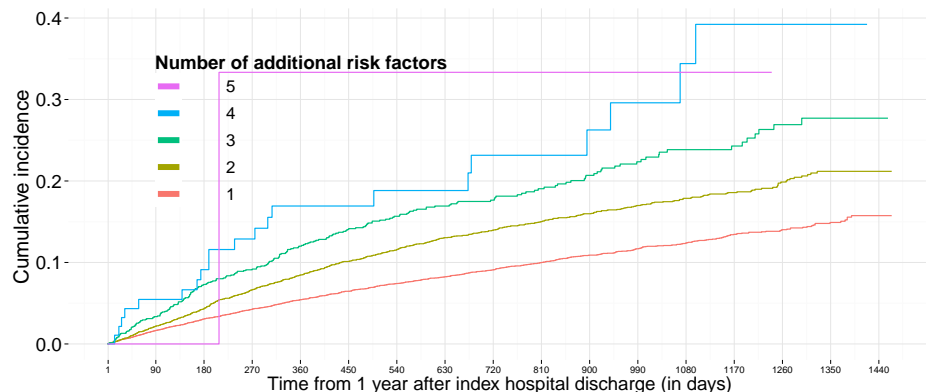
Number of patients at risk, stratified by Sex

Cumulative incidence of Composite end-point , stratified by OAP use (Total) in Group 4 .
The follow-up time in different panels is A: from the 1-year baseline check to the end of study, B: from the 1-year baseline check to 1 year onwards,
C: from the 1-year baseline check +1 year to 1 year onwards, D: from the 1-year baseline check +2 years to the end of study.



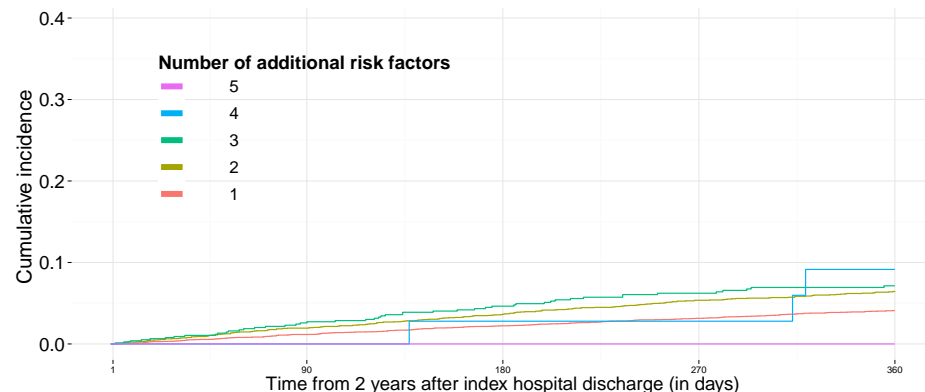
Cumulative incidence of Composite end-point , stratified by Number of additional risk factors in Group 4 .
The follow-up time in different panels is A: from the 1-year baseline check to the end of study, B: from the 1-year baseline check to 1 year onwards,
C: from the 1-year baseline check +1 year to 1 year onwards, D: from the 1-year baseline check +2 years to the end of study.

A Including only patients with a 5-year MI-free history before the index MI event. C



5	3	3	3	1	1	1	1	1	1	1	1	1	1	0	0	0
4	93	79	69	58	46	39	32	26	22	19	14	11	8	6	4	2
3	1315	1160	1008	902	776	671	599	507	414	337	286	211	166	125	82	43
2	5867	5266	4743	4213	3714	3269	2896	2514	2159	1814	1534	1227	953	712	465	232
1	10765	9804	8926	8065	7195	6412	5686	4987	4303	3659	3096	2541	2053	1525	1053	562

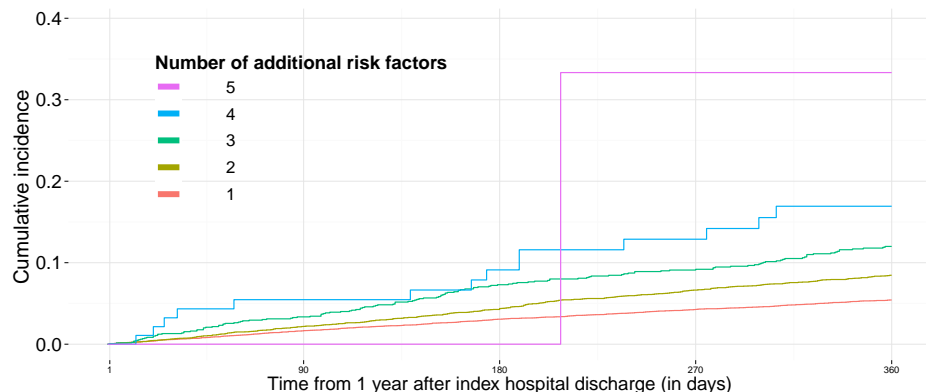
Number of patients at risk, stratified by Number of additional risk factors



5	1	1	1	1	1	0	0	0
4	46	39	32	26	22	1	1	1
3	775	671	599	507	414	337	286	211
2	3708	3269	2896	2514	2159	1814	1534	1227
1	7184	6412	5686	4987	4303	3659	3096	2541

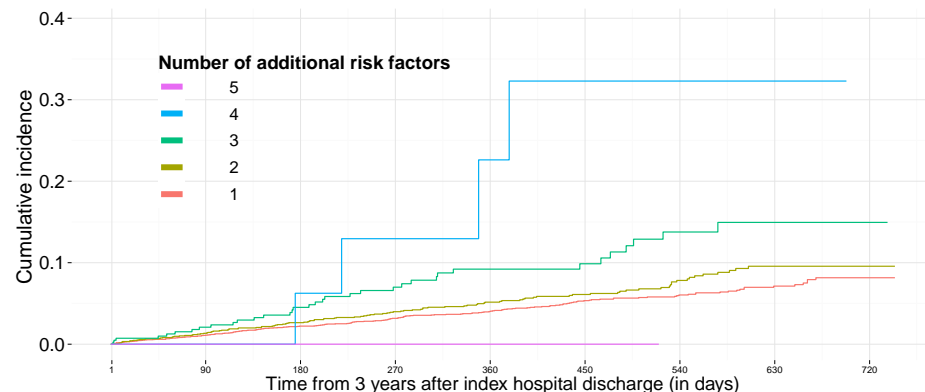
Number of patients at risk, stratified by Number of additional risk factors

B D



5	3	3	3	1	1
4	93	79	69	58	46
3	1315	1160	1008	902	776
2	5867	5266	4743	4213	3714
1	10765	9804	8926	8065	7195

Number of patients at risk, stratified by Number of additional risk factors



5	1	1	1	1	1	0	0	0
4	22	19	14	11	8	6	4	2
3	414	337	286	211	166	125	82	43
2	2157	1814	1534	1227	953	712	465	232
1	4302	3659	3096	2541	2053	1525	1053	562

Number of patients at risk, stratified by Number of additional risk factors

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2.2.5 Cumulative incidence of composite end-point for group 5 including only patients with a 5-year MI-free history before the index MI event.

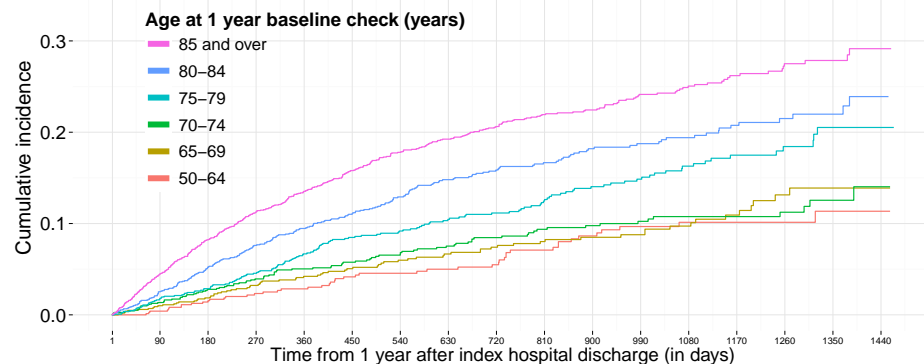
Cumulative incidence of Composite end-point, stratified by Age at 1 year baseline check (years) in Group 5.

The follow-up time in different panels is A: from the 1-year baseline check to the end of study, B: from the 1-year baseline check to 1 year onwards,

C: from the 1-year baseline check +1 year to 1 year onwards, D: from the 1-year baseline check +2 years to the end of study.

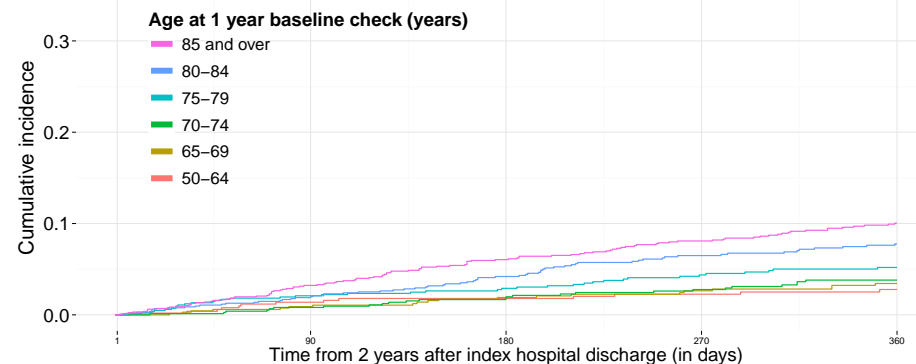
A Including only patients with a 5-year MI-free history before the index MI event.

C



Age at 1 year baseline check (years)	85 and over	80-84	75-79	70-74	65-69	50-64
85 and over	2420	2088	1772	1526	1301	1084
80-84	1663	1501	1354	1202	1049	928
75-79	1327	1202	1095	977	854	735
70-74	1144	1044	952	861	780	707
65-69	1038	952	873	791	703	621
50-64	779	720	655	586	531	481

Number of patients at risk, stratified by Age at 1 year baseline check (years)

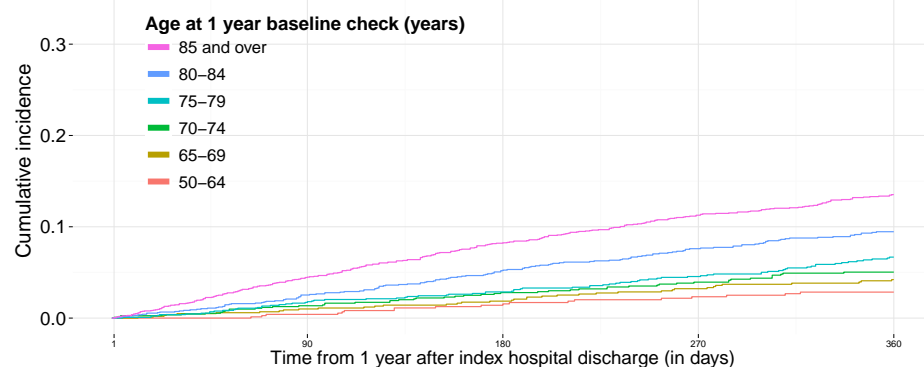


Age at 1 year baseline check (years)	85 and over	80-84	75-79	70-74	65-69	50-64
85 and over	1300	1084	927	767	626	547
80-84	1048	928	790	667	503	446
75-79	852	735	664	583	500	446
70-74	777	707	633	568	500	446
65-69	702	621	558	501	446	398
50-64	531	481	438	398	347	298

Number of patients at risk, stratified by Age at 1 year baseline check (years)

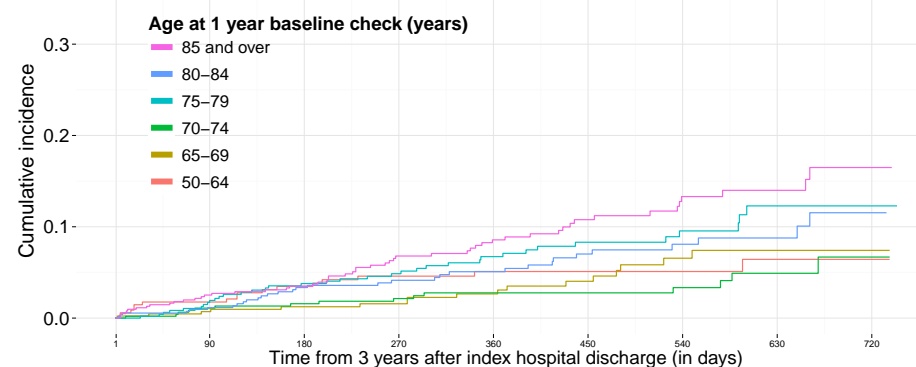
B

D



Age at 1 year baseline check (years)	85 and over	80-84	75-79	70-74	65-69	50-64
85 and over	2420	2088	1772	1526	1301	1084
80-84	1663	1501	1354	1202	1049	928
75-79	1327	1202	1095	977	854	735
70-74	1144	1044	952	861	780	707
65-69	1038	952	873	791	703	621
50-64	779	720	655	586	531	481

Number of patients at risk, stratified by Age at 1 year baseline check (years)



Age at 1 year baseline check (years)	85 and over	80-84	75-79	70-74	65-69	50-64
85 and over	626	516	411	307	242	164
80-84	547	459	378	303	244	183
75-79	503	435	369	313	249	183
70-74	500	427	368	314	259	203
65-69	446	391	329	278	224	164
50-64	347	298	266	229	177	135

Number of patients at risk, stratified by Age at 1 year baseline check (years)

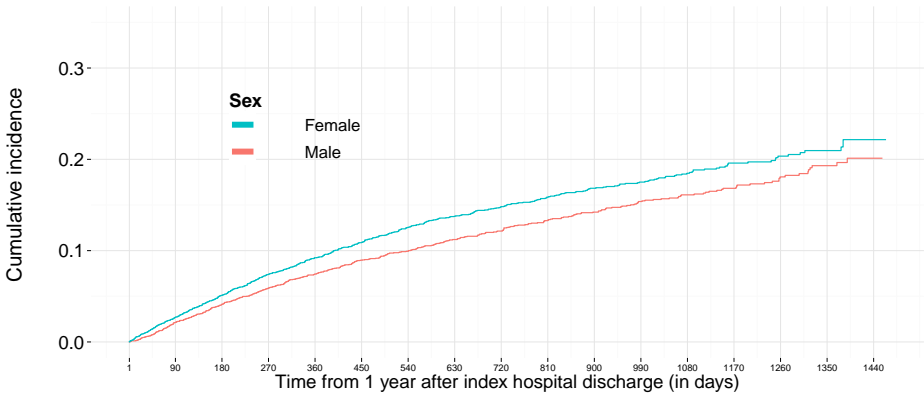
Cumulative incidence of Composite end-point , stratified by Sex in Group 5 .

The follow-up time in different panels is A: from the 1-year baseline check to the end of study, B: from the 1-year baseline check to 1 year onwards, C: from the 1-year baseline check +1 year to 1 year onwards, D: from the 1-year baseline check +2 years to the end of study.

A

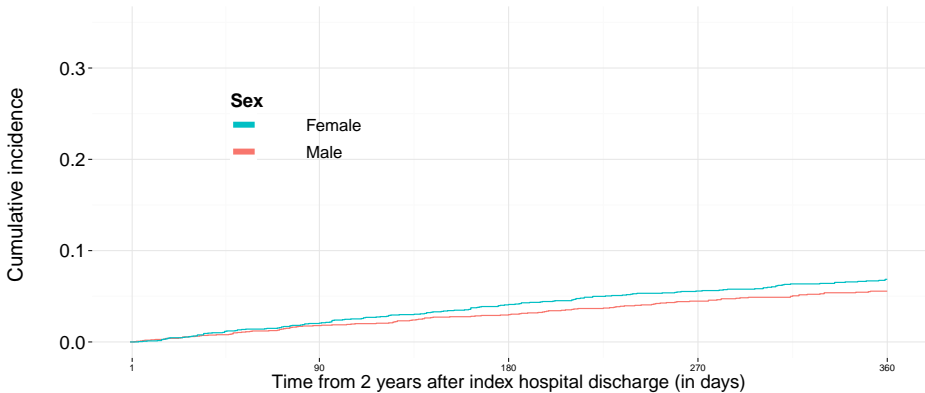
Including only patients with a 5-year MI-free history before the index MI event.

C



Female	4271	3835	3402	3018	2641	2304	2020	1760	1487	1250	1032	834	671	491	326	179	29
Male	4100	3672	3299	2925	2577	2252	1990	1724	1482	1276	1089	910	724	541	381	201	35

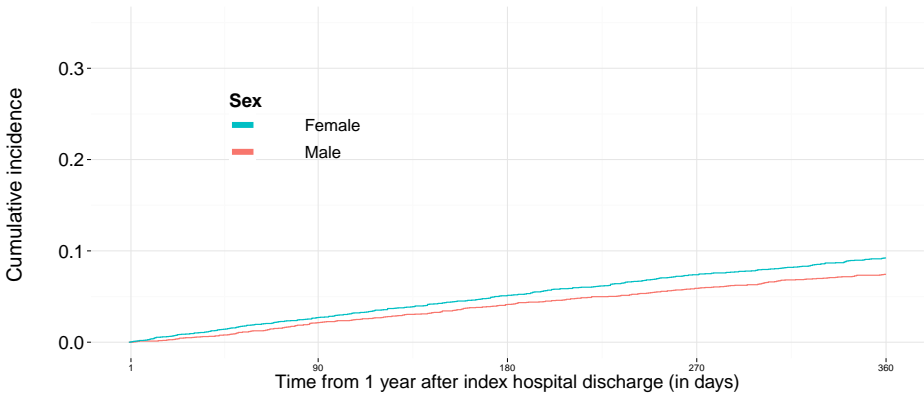
Number of patients at risk, stratified by Sex



Female	2638	2304	2020	1760	1487
Male	2572	2252	1990	1724	1482

Number of patients at risk, stratified by Sex

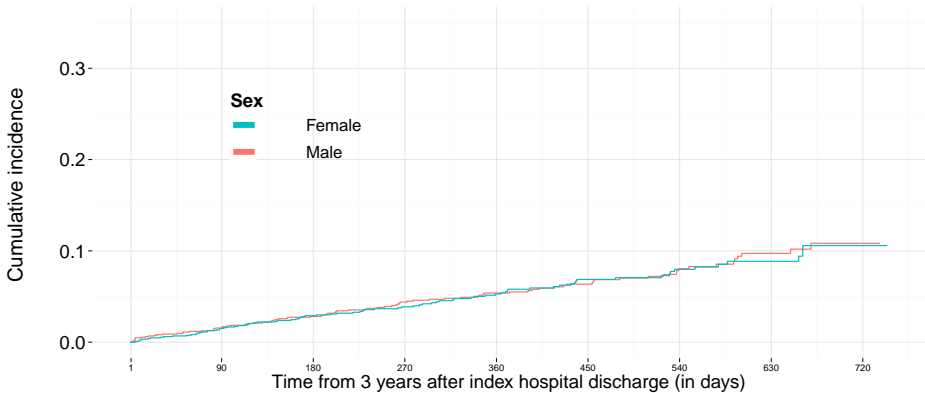
B



Female	4271	3835	3402	3018	2641
Male	4100	3672	3299	2925	2577

Number of patients at risk, stratified by Sex

D

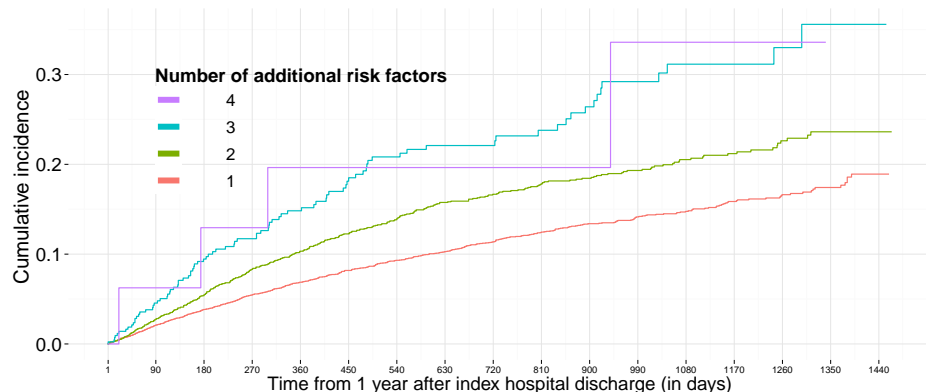


Female	1487	1250	1032	834	671	491	326	179	29
Male	1482	1276	1089	910	724	541	381	201	35

Number of patients at risk, stratified by Sex

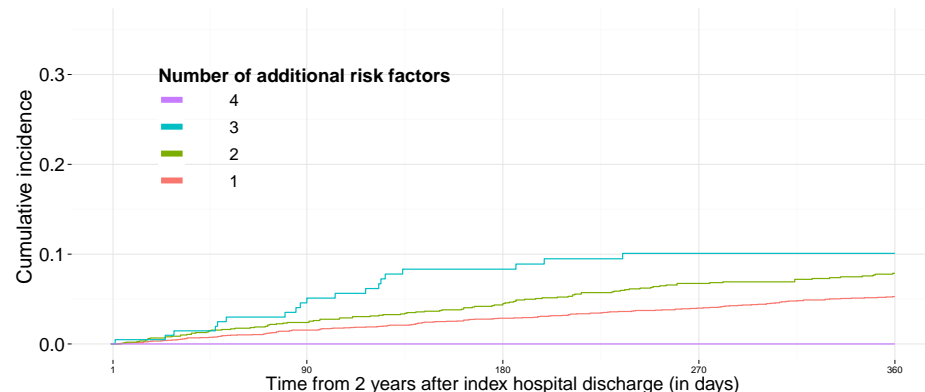
Cumulative incidence of Composite end-point , stratified by Number of additional risk factors in Group 5 .
The follow-up time in different panels is A: from the 1-year baseline check to the end of study, B: from the 1-year baseline check to 1 year onwards,
C: from the 1-year baseline check +1 year to 1 year onwards, D: from the 1-year baseline check +2 years to the end of study.

A Including only patients with a 5-year MI-free history before the index MI event. C



4	16	14	12	11	10	9	7	5	5	5	3	1	1	1	1	0	0
3	430	367	302	256	211	174	152	127	107	86	75	53	43	34	18	9	1
2	2557	2267	2012	1771	1534	1318	1155	987	838	716	606	495	387	292	197	98	16
1	5368	4859	4375	3905	3463	3055	2696	2365	2019	1719	1437	1195	964	705	491	273	47

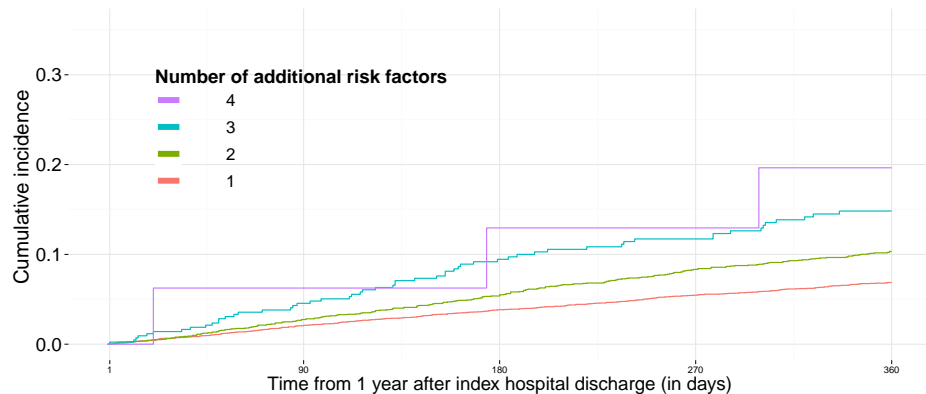
Number of patients at risk, stratified by Number of additional risk factors



4	10	9	7	5	5
3	211	174	152	127	107
2	1533	1318	1155	987	838
1	3456	3055	2696	2365	2019

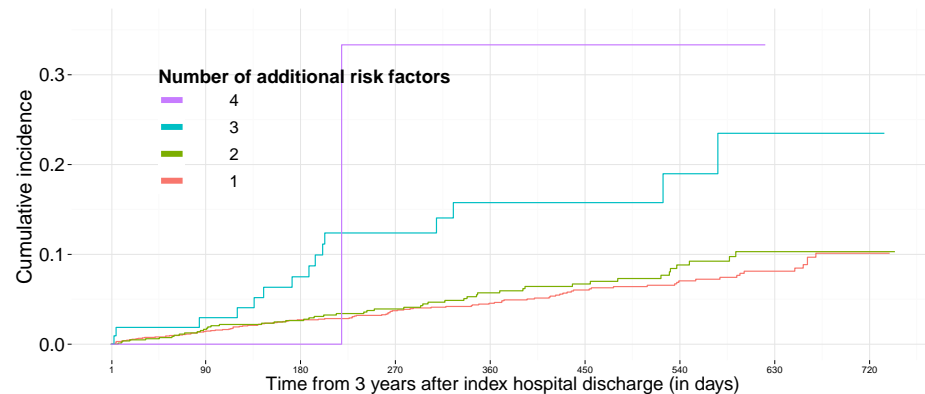
Number of patients at risk, stratified by Number of additional risk factors

B D



4	16	14	12	11	10
3	430	367	302	256	211
2	2557	2267	2012	1771	1534
1	5368	4859	4375	3905	3463

Number of patients at risk, stratified by Number of additional risk factors



4	5	5	3	1	1	1	1	0	0
3	107	86	75	53	43	34	18	9	1
2	838	716	606	495	387	292	197	98	16
1	2019	1719	1437	1195	964	705	491	273	47

Number of patients at risk, stratified by Number of additional risk factors

2.2.6 Explored risk factors for group 1 including only patients with a 5-year MI-free history before the index MI event.

Composite end-point

Table 2.664: The effect of pre-defined and explored risk factors on the risk of Composite end-point estimated using the Cox proportional hazards model in Group 1 . Table shows the hazard ratios (HRs) for several factors with the corresponding 95% CI and p-value. Only those explored risk factors that indicated 20% effect on the hazard of the outcome with $p \leq 0.15$ are presented. Variables are evaluated at index date, medication use variables refer to ongoing use and comorbidities were searched in a 5 years history period.

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Age at index (years) : 18-49	reference	reference	reference	reference	reference	reference
Age at index (years) : 50-64	0.182	0.077	1.2	1.032	1.394	0.018
Age at index (years) : 65-69	0.538	0.081	1.712	1.461	2.005	<0.001
Age at index (years) : 70-74	0.624	0.079	1.866	1.599	2.178	<0.001
Age at index (years) : 75-79	0.947	0.077	2.577	2.218	2.995	<0.001
Age at index (years) : 80-84	1.218	0.076	3.379	2.915	3.918	<0.001
Age at index (years) : 85 and over	1.563	0.075	4.771	4.121	5.524	<0.001
Sex : Male	reference	reference	reference	reference	reference	reference
Sex : Female	-0.091	0.025	0.913	0.87	0.959	<0.001
Diabetes with ongoing medication : No	reference	reference	reference	reference	reference	reference
Diabetes with ongoing medication : Yes	0.372	0.027	1.451	1.377	1.53	<0.001
Multivessel CAD : No	reference	reference	reference	reference	reference	reference
Multivessel CAD : Yes	0.078	0.028	1.081	1.024	1.141	0.005
Chronic renal dysfunction : No	reference	reference	reference	reference	reference	reference
Chronic renal dysfunction : Yes	0.601	0.062	1.823	1.615	2.058	<0.001
Ischaemic stroke : No	reference	reference	reference	reference	reference	reference
Ischaemic stroke : Yes	0.6	0.037	1.822	1.693	1.96	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Antithrombotic medication : No	reference	reference	reference	reference	reference	reference
Antithrombotic medication : Yes	0.268	0.027	1.307	1.239	1.378	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Beta-blocker : No	reference	reference	reference	reference	reference	reference
Beta-blocker : Yes	0.28	0.024	1.324	1.263	1.387	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
CABG : No	reference	reference	reference	reference	reference	reference
CABG : Yes	-0.557	0.057	0.573	0.512	0.641	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
COPD : No	reference	reference	reference	reference	reference	reference
COPD : Yes	0.306	0.055	1.358	1.218	1.513	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Diabetes mellitus : No	reference	reference	reference	reference	reference	reference
Diabetes mellitus : Yes	0.278	0.044	1.32	1.21	1.44	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Haemorrhagic stroke : No	reference	reference	reference	reference	reference	reference
Haemorrhagic stroke : Yes	0.326	0.127	1.385	1.08	1.776	0.015

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Heart failure : No	reference	reference	reference	reference	reference	reference
Heart failure : Yes	0.385	0.027	1.47	1.394	1.549	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Insulin : No	reference	reference	reference	reference	reference	reference
Insulin : Yes	0.515	0.047	1.674	1.528	1.835	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
LMWH : No	reference	reference	reference	reference	reference	reference
LMWH : Yes	0.301	0.18	1.351	0.949	1.922	0.09

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Major bleedings : No	reference	reference	reference	reference	reference	reference
Major bleedings : Yes	0.237	0.045	1.268	1.161	1.384	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Nitrate : No	reference	reference	reference	reference	reference	reference
Nitrate : Yes	0.342	0.025	1.407	1.34	1.478	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
OAP use (Total) : No	reference	reference	reference	reference	reference	reference
OAP use (Total) : Yes	0.328	0.056	1.388	1.243	1.549	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Oral antidiabetic : No	reference	reference	reference	reference	reference	reference
Oral antidiabetic : Yes	-0.405	0.048	0.667	0.607	0.733	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Proton pump inhibitor : No	reference	reference	reference	reference	reference	reference
Proton pump inhibitor : Yes	0.245	0.029	1.278	1.207	1.353	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Stroke (Total) : No	reference	reference	reference	reference	reference	reference
Stroke (Total) : Yes	0.47	0.137	1.599	1.223	2.091	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Severe liver disease : No	reference	reference	reference	reference	reference	reference
Severe liver disease : Yes	0.382	0.189	1.465	1.01	2.123	0.046

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Severe renal failure requiring dialysis : No	reference	reference	reference	reference	reference	reference
Severe renal failure requiring dialysis : Yes	0.793	0.163	2.211	1.606	3.045	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Transient ischemic attack : No	reference	reference	reference	reference	reference	reference
Transient ischemic attack : Yes	0.184	0.057	1.202	1.074	1.344	0.002

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Invasive procedure related to index event : No invasive procedure	reference	reference	reference	reference	reference	reference
Invasive procedure related to index event : Coronary angiography only	-0.291	0.037	0.748	0.695	0.805	<0.001
Invasive procedure related to index event : PCI	-0.587	0.031	0.556	0.523	0.591	<0.001
Invasive procedure related to index event : CABG	-0.949	0.066	0.387	0.34	0.441	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Gastrointestinal bleeding : No	reference	reference	reference	reference	reference	reference
Gastrointestinal bleeding : Yes	0.464	0.094	1.591	1.324	1.911	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
PCI or CABG related to index event : No	reference	reference	reference	reference	reference	reference
PCI or CABG related to index event : Yes	-0.548	0.028	0.578	0.547	0.611	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Increased bleeding risk (Total) : No	reference	reference	reference	reference	reference	reference
Increased bleeding risk (Total) : Yes	0.273	0.061	1.314	1.166	1.48	<0.001

2.2.7 Explored risk factors for group 2 including only patients with a 5-year MI-free history before the index MI event.

Composite end-point

Table 2.687: The effect of pre-defined and explored risk factors on the risk of Composite end-point estimated using the Cox proportional hazards model in Group 2 . Table shows the hazard ratios (HRs) for several factors with the corresponding 95% CI and p-value. Only those explored risk factors that indicated 20% effect on the hazard of the outcome with $p \leq 0.15$ are presented. Variables are evaluated at 1 year baseline check, medication use variables refer to ongoing use and comorbidities were searched in a 5 years history period.

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Age at 1 year baseline check (years) : 18-49	reference	reference	reference	reference	reference	reference
Age at 1 year baseline check (years) : 50-64	0.213	0.143	1.237	0.934	1.639	0.139
Age at 1 year baseline check (years) : 65-69	0.505	0.151	1.657	1.233	2.228	<0.001
Age at 1 year baseline check (years) : 70-74	0.759	0.146	2.136	1.604	2.844	<0.001
Age at 1 year baseline check (years) : 75-79	1.045	0.143	2.843	2.149	3.762	<0.001
Age at 1 year baseline check (years) : 80-84	1.391	0.141	4.018	3.047	5.297	<0.001
Age at 1 year baseline check (years) : 85 and over	1.88	0.139	6.551	4.985	8.609	<0.001
Sex : Male	reference	reference	reference	reference	reference	reference
Sex : Female	-0.031	0.043	0.969	0.891	1.055	0.467
Diabetes with ongoing medication : No	reference	reference	reference	reference	reference	reference
Diabetes with ongoing medication : Yes	0.388	0.046	1.475	1.348	1.612	<0.001
Multivessel CAD : No	reference	reference	reference	reference	reference	reference
Multivessel CAD : Yes	0.167	0.045	1.181	1.083	1.289	<0.001
Chronic renal dysfunction : No	reference	reference	reference	reference	reference	reference
Chronic renal dysfunction : Yes	0.633	0.109	1.883	1.52	2.332	<0.001
Ischaemic stroke : No	reference	reference	reference	reference	reference	reference
Ischaemic stroke : Yes	0.71	0.069	2.033	1.775	2.329	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Invasive procedure related to index event : No invasive procedure	reference	reference	reference	reference	reference	reference
Invasive procedure related to index event : Coronary angiography only	-0.334	0.063	0.716	0.632	0.81	<0.001
Invasive procedure related to index event : PCI	-0.597	0.053	0.551	0.496	0.611	<0.001
Invasive procedure related to index event : CABG	-1.089	0.114	0.337	0.269	0.421	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Type of index MI : Non-ST elevation MI (and unspecified MI)	reference	reference	reference	reference	reference	reference
Type of index MI : ST elevation MI	-0.293	0.046	0.746	0.681	0.817	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
PCI or CABG related to index event : No	reference	reference	reference	reference	reference	reference
PCI or CABG related to index event : Yes	-0.556	0.047	0.573	0.522	0.629	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Atrial fibrillation : No	reference	reference	reference	reference	reference	reference
Atrial fibrillation : Yes	0.261	0.05	1.299	1.177	1.433	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Arrhythmia : No	reference	reference	reference	reference	reference	reference
Arrhythmia : Yes	0.221	0.046	1.247	1.139	1.365	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Bleeding disorder : No	reference	reference	reference	reference	reference	reference
Bleeding disorder : Yes	0.587	0.318	1.798	0.965	3.352	0.04

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
CABG : No	reference	reference	reference	reference	reference	reference
CABG : Yes	-0.605	0.09	0.546	0.458	0.652	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
COPD : No	reference	reference	reference	reference	reference	reference
COPD : Yes	0.543	0.091	1.722	1.442	2.057	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Central nervous tumour : No	reference	reference	reference	reference	reference	reference
Central nervous tumour : Yes	1.371	0.501	3.941	1.475	10.529	0.004

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Diabetes mellitus : No	reference	reference	reference	reference	reference	reference
Diabetes mellitus : Yes	0.421	0.079	1.523	1.305	1.777	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Heart failure : No	reference	reference	reference	reference	reference	reference
Heart failure : Yes	0.459	0.045	1.583	1.449	1.729	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Hyperlipidemia : No	reference	reference	reference	reference	reference	reference
Hyperlipidemia : Yes	-0.209	0.057	0.811	0.726	0.907	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Hypertension : No	reference	reference	reference	reference	reference	reference
Hypertension : Yes	0.587	0.194	1.799	1.23	2.631	0.003

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Increased bleeding risk (Total) : No	reference	reference	reference	reference	reference	reference
Increased bleeding risk (Total) : Yes	0.219	0.121	1.245	0.982	1.578	0.073

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Insulin : No	reference	reference	reference	reference	reference	reference
Insulin : Yes	0.659	0.079	1.933	1.656	2.255	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Major bleedings : No	reference	reference	reference	reference	reference	reference
Major bleedings : Yes	0.305	0.072	1.357	1.178	1.563	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Nitrate : No	reference	reference	reference	reference	reference	reference
Nitrate : Yes	0.484	0.043	1.623	1.492	1.766	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Oral antidiabetic : No	reference	reference	reference	reference	reference	reference
Oral antidiabetic : Yes	-0.524	0.08	0.592	0.506	0.693	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Proton pump inhibitor : No	reference	reference	reference	reference	reference	reference
Proton pump inhibitor : Yes	0.25	0.045	1.283	1.176	1.401	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Severe renal failure requiring dialysis : No	reference	reference	reference	reference	reference	reference
Severe renal failure requiring dialysis : Yes	1.466	0.292	4.33	2.443	7.677	<0.001

2.2.8 Explored risk factors for group 3 including only patients with a 5-year MI-free history before the index MI event.

Composite end-point

Table 2.708: The effect of pre-defined and explored risk factors on the risk of Composite end-point estimated using the Cox proportional hazards model in Group 3 . Table shows the hazard ratios (HRs) for several factors with the corresponding 95% CI and p-value. Only those explored risk factors that indicated 20% effect on the hazard of the outcome with $p \leq 0.15$ are presented. Variables are evaluated at 1 year baseline check, medication use variables refer to ongoing use and comorbidities were searched in a 5 years history period.

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Age at 1 year baseline check (years) : 18-49	reference	reference	reference	reference	reference	reference
Age at 1 year baseline check (years) : 50-64	0.122	0.211	1.13	0.746	1.71	0.568
Age at 1 year baseline check (years) : 65-69	0.407	0.21	1.502	0.996	2.266	0.055
Age at 1 year baseline check (years) : 70-74	0.66	0.206	1.936	1.292	2.9	0.002
Age at 1 year baseline check (years) : 75-79	0.947	0.204	2.577	1.728	3.843	<0.001
Age at 1 year baseline check (years) : 80-84	1.292	0.203	3.641	2.447	5.417	<0.001
Age at 1 year baseline check (years) : 85 and over	1.781	0.202	5.936	3.996	8.817	<0.001
Sex : Male	reference	reference	reference	reference	reference	reference
Sex : Female	-0.033	0.044	0.968	0.887	1.056	0.461
Diabetes with ongoing medication : No	reference	reference	reference	reference	reference	reference
Diabetes with ongoing medication : Yes	0.385	0.047	1.469	1.34	1.61	<0.001
Multivessel CAD : No	reference	reference	reference	reference	reference	reference
Multivessel CAD : Yes	0.162	0.046	1.176	1.074	1.287	<0.001
Chronic renal dysfunction : No	reference	reference	reference	reference	reference	reference
Chronic renal dysfunction : Yes	0.631	0.109	1.88	1.518	2.329	<0.001
Ischaemic stroke : No	reference	reference	reference	reference	reference	reference
Ischaemic stroke : Yes	0.709	0.069	2.031	1.773	2.327	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Invasive procedure related to index event : No invasive procedure	reference	reference	reference	reference	reference	reference
Invasive procedure related to index event : Coronary angiography only	-0.343	0.067	0.71	0.623	0.809	<0.001
Invasive procedure related to index event : PCI	-0.623	0.056	0.536	0.481	0.598	<0.001
Invasive procedure related to index event : CABG	-1.069	0.118	0.343	0.273	0.432	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Type of index MI : Non-ST elevation MI (and unspecified MI)	reference	reference	reference	reference	reference	reference
Type of index MI : ST elevation MI	-0.317	0.049	0.728	0.661	0.802	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
PCI or CABG related to index event : No	reference	reference	reference	reference	reference	reference
PCI or CABG related to index event : Yes	-0.587	0.051	0.556	0.503	0.614	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Atrial fibrillation : No	reference	reference	reference	reference	reference	reference
Atrial fibrillation : Yes	0.252	0.051	1.286	1.165	1.421	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Arrhythmia : No	reference	reference	reference	reference	reference	reference
Arrhythmia : Yes	0.216	0.047	1.242	1.132	1.362	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Bleeding disorder : No	reference	reference	reference	reference	reference	reference
Bleeding disorder : Yes	0.609	0.318	1.839	0.987	3.43	0.033

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
CABG : No	reference	reference	reference	reference	reference	reference
CABG : Yes	-0.575	0.093	0.563	0.47	0.675	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
COPD : No	reference	reference	reference	reference	reference	reference
COPD : Yes	0.514	0.094	1.672	1.391	2.01	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Central nervous tumour : No	reference	reference	reference	reference	reference	reference
Central nervous tumour : Yes	1.393	0.501	4.027	1.507	10.759	0.004

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Diabetes mellitus : No	reference	reference	reference	reference	reference	reference
Diabetes mellitus : Yes	0.382	0.083	1.465	1.245	1.723	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Heart failure : No	reference	reference	reference	reference	reference	reference
Heart failure : Yes	0.467	0.046	1.595	1.458	1.745	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Hyperlipidemia : No	reference	reference	reference	reference	reference	reference
Hyperlipidemia : Yes	-0.217	0.058	0.805	0.719	0.902	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Hypertension : No	reference	reference	reference	reference	reference	reference
Hypertension : Yes	0.634	0.215	1.885	1.238	2.872	0.003

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Increased bleeding risk (Total) : No	reference	reference	reference	reference	reference	reference
Increased bleeding risk (Total) : Yes	0.197	0.125	1.218	0.954	1.555	0.116

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Insulin : No	reference	reference	reference	reference	reference	reference
Insulin : Yes	0.658	0.079	1.931	1.655	2.253	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Major bleedings : No	reference	reference	reference	reference	reference	reference
Major bleedings : Yes	0.293	0.074	1.34	1.159	1.548	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Nitrate : No	reference	reference	reference	reference	reference	reference
Nitrate : Yes	0.471	0.044	1.601	1.468	1.747	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Oral antidiabetic : No	reference	reference	reference	reference	reference	reference
Oral antidiabetic : Yes	-0.523	0.08	0.593	0.506	0.694	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Proton pump inhibitor : No	reference	reference	reference	reference	reference	reference
Proton pump inhibitor : Yes	0.251	0.046	1.286	1.175	1.407	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Severe renal failure requiring dialysis : No	reference	reference	reference	reference	reference	reference
Severe renal failure requiring dialysis : Yes	1.462	0.293	4.314	2.43	7.657	<0.001

2.2.9 Explored risk factors for group 4 including only patients with a 5-year MI-free history before the index MI event.

Composite end-point

Table 2.729: The effect of pre-defined and explored risk factors on the risk of Composite end-point estimated using the Cox proportional hazards model in Group 4 . Table shows the hazard ratios (HRs) for several factors with the corresponding 95% CI and p-value. Only those explored risk factors that indicated 20% effect on the hazard of the outcome with $p \leq 0.15$ are presented. Variables are evaluated at 1 year baseline check, medication use variables refer to ongoing use and comorbidities were searched in a 5 years history period.

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Age at 1 year baseline check (years) : 18-49	reference	reference	reference	reference	reference	reference
Age at 1 year baseline check (years) : 50-64	0.2	0.224	1.221	0.787	1.896	0.377
Age at 1 year baseline check (years) : 65-69	0.49	0.223	1.632	1.055	2.526	0.03
Age at 1 year baseline check (years) : 70-74	0.693	0.22	1.999	1.299	3.078	0.002
Age at 1 year baseline check (years) : 75-79	1.027	0.217	2.793	1.825	4.276	<0.001
Age at 1 year baseline check (years) : 80-84	1.373	0.216	3.947	2.585	6.028	<0.001
Age at 1 year baseline check (years) : 85 and over	1.882	0.215	6.568	4.31	10.008	<0.001
Sex : Male	reference	reference	reference	reference	reference	reference
Sex : Female	-0.008	0.048	0.993	0.903	1.091	0.876
Diabetes with ongoing medication : No	reference	reference	reference	reference	reference	reference
Diabetes with ongoing medication : Yes	0.398	0.051	1.489	1.347	1.645	<0.001
Multivessel CAD : No	reference	reference	reference	reference	reference	reference
Multivessel CAD : Yes	0.157	0.05	1.17	1.061	1.291	0.002
Chronic renal dysfunction : No	reference	reference	reference	reference	reference	reference
Chronic renal dysfunction : Yes	0.7	0.115	2.013	1.605	2.524	<0.001
Ischaemic stroke : No	reference	reference	reference	reference	reference	reference
Ischaemic stroke : Yes	0.685	0.079	1.984	1.698	2.318	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Invasive procedure related to index event : No invasive procedure	reference	reference	reference	reference	reference	reference
Invasive procedure related to index event : Coronary angiography only	-0.377	0.073	0.686	0.594	0.792	<0.001
Invasive procedure related to index event : PCI	-0.643	0.06	0.526	0.467	0.591	<0.001
Invasive procedure related to index event : CABG	-1.086	0.13	0.337	0.261	0.436	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Type of index MI : Non-ST elevation MI (and unspecified MI)	reference	reference	reference	reference	reference	reference
Type of index MI : ST elevation MI	-0.335	0.053	0.715	0.644	0.794	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
PCI or CABG related to index event : No	reference	reference	reference	reference	reference	reference
PCI or CABG related to index event : Yes	-0.59	0.054	0.554	0.498	0.616	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Atrial fibrillation : No	reference	reference	reference	reference	reference	reference
Atrial fibrillation : Yes	0.336	0.064	1.4	1.236	1.586	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Anticogulation medication : No	reference	reference	reference	reference	reference	reference
Anticogulation medication : Yes	0.399	0.237	1.491	0.937	2.373	0.103

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Arrhythmia : No	reference	reference	reference	reference	reference	reference
Arrhythmia : Yes	0.28	0.056	1.323	1.185	1.476	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Bleeding disorder : No	reference	reference	reference	reference	reference	reference
Bleeding disorder : Yes	0.668	0.335	1.95	1.011	3.761	0.023

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
CABG : No	reference	reference	reference	reference	reference	reference
CABG : Yes	-0.575	0.102	0.563	0.46	0.687	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
COPD : No	reference	reference	reference	reference	reference	reference
COPD : Yes	0.505	0.101	1.656	1.358	2.02	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Cancer : No	reference	reference	reference	reference	reference	reference
Cancer : Yes	0.208	0.08	1.231	1.051	1.441	0.01

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Central nervous tumour : No	reference	reference	reference	reference	reference	reference
Central nervous tumour : Yes	1.507	0.502	4.512	1.686	12.075	0.002

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Diabetes mellitus : No	reference	reference	reference	reference	reference	reference
Diabetes mellitus : Yes	0.44	0.087	1.553	1.309	1.844	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Heart failure : No	reference	reference	reference	reference	reference	reference
Heart failure : Yes	0.529	0.05	1.697	1.537	1.873	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Hyperlipidemia : No	reference	reference	reference	reference	reference	reference
Hyperlipidemia : Yes	-0.211	0.063	0.81	0.716	0.916	0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Hypertension : No	reference	reference	reference	reference	reference	reference
Hypertension : Yes	0.662	0.22	1.939	1.26	2.984	0.003

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Increased bleeding risk (Total) : No	reference	reference	reference	reference	reference	reference
Increased bleeding risk (Total) : Yes	0.28	0.129	1.323	1.028	1.703	0.031

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Insulin : No	reference	reference	reference	reference	reference	reference
Insulin : Yes	0.679	0.086	1.972	1.666	2.335	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
LMWH : No	reference	reference	reference	reference	reference	reference
LMWH : Yes	1.506	0.578	4.509	1.451	14.007	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Major bleedings : No	reference	reference	reference	reference	reference	reference
Major bleedings : Yes	0.328	0.08	1.388	1.187	1.625	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Nitrate : No	reference	reference	reference	reference	reference	reference
Nitrate : Yes	0.512	0.048	1.668	1.519	1.833	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Oral antidiabetic : No	reference	reference	reference	reference	reference	reference
Oral antidiabetic : Yes	-0.566	0.088	0.568	0.478	0.674	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Proton pump inhibitor : No	reference	reference	reference	reference	reference	reference
Proton pump inhibitor : Yes	0.284	0.05	1.328	1.205	1.465	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Severe renal failure requiring dialysis : No	reference	reference	reference	reference	reference	reference
Severe renal failure requiring dialysis : Yes	1.558	0.296	4.751	2.658	8.492	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Transient ischemic attack : No	reference	reference	reference	reference	reference	reference
Transient ischemic attack : Yes	0.234	0.111	1.264	1.018	1.57	0.039

2.2.10 Explored risk factors for group 5 including only patients with a 5-year MI-free history before the index MI event.

Composite end-point

Table 2.754: The effect of pre-defined and explored risk factors on the risk of Composite end-point estimated using the Cox proportional hazards model in Group 5 . Table shows the hazard ratios (HRs) for several factors with the corresponding 95% CI and p-value. Only those explored risk factors that indicated 20% effect on the hazard of the outcome with $p \leq 0.15$ are presented. Variables are evaluated at 1 year baseline check, medication use variables refer to ongoing use and comorbidities were searched in a 5 years history period.

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Age at 1 year baseline check (years) : 50-64	reference	reference	reference	reference	reference	reference
Age at 1 year baseline check (years) : 65-69	0.435	0.187	1.545	1.07	2.229	0.019
Age at 1 year baseline check (years) : 70-74	0.532	0.181	1.702	1.193	2.427	0.003
Age at 1 year baseline check (years) : 75-79	0.96	0.169	2.612	1.876	3.637	<0.001
Age at 1 year baseline check (years) : 80-84	1.272	0.162	3.568	2.595	4.904	<0.001
Age at 1 year baseline check (years) : 85 and over	1.734	0.159	5.665	4.152	7.729	<0.001
Sex : Male	reference	reference	reference	reference	reference	reference
Sex : Female	-0.098	0.065	0.906	0.799	1.029	0.127
Diabetes with ongoing medication : No	reference	reference	reference	reference	reference	reference
Diabetes with ongoing medication : Yes	0.535	0.07	1.708	1.489	1.959	<0.001
Multivessel CAD : No	reference	reference	reference	reference	reference	reference
Multivessel CAD : Yes	0.264	0.069	1.303	1.137	1.492	<0.001
Chronic renal dysfunction : No	reference	reference	reference	reference	reference	reference
Chronic renal dysfunction : Yes	0.425	0.162	1.53	1.113	2.103	0.011

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Index year : 2009	reference	reference	reference	reference	reference	reference
Index year : 2010	-0.044	0.076	0.957	0.825	1.111	0.564
Index year : 2011	-0.186	0.088	0.83	0.699	0.986	0.034
Index year : 2012	-0.306	0.128	0.737	0.574	0.946	0.016

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Type of index MI : Non-ST elevation MI (and unspecified MI)	reference	reference	reference	reference	reference	reference
Type of index MI : ST elevation MI	-0.267	0.075	0.766	0.66	0.888	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
PCI or CABG related to index event : No	reference	reference	reference	reference	reference	reference

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
PCI or CABG related to index event : Yes	-0.577	0.088	0.562	0.472	0.668	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Atrial fibrillation : No	reference	reference	reference	reference	reference	reference
Atrial fibrillation : Yes	0.313	0.079	1.368	1.171	1.597	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Unstable angina pectoris : No	reference	reference	reference	reference	reference	reference
Unstable angina pectoris : Yes	0.293	0.116	1.34	1.068	1.682	0.012

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Antithrombotic medication : No	reference	reference	reference	reference	reference	reference
Antithrombotic medication : Yes	0.284	0.131	1.329	1.028	1.717	0.031

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Arrhythmia : No	reference	reference	reference	reference	reference	reference
Arrhythmia : Yes	0.274	0.072	1.315	1.142	1.513	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
COPD : No	reference	reference	reference	reference	reference	reference
COPD : Yes	0.463	0.13	1.588	1.23	2.051	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Diabetes mellitus : No	reference	reference	reference	reference	reference	reference
Diabetes mellitus : Yes	0.408	0.116	1.504	1.198	1.888	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Heart failure : No	reference	reference	reference	reference	reference	reference
Heart failure : Yes	0.559	0.065	1.749	1.538	1.987	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Hypertension : No	reference	reference	reference	reference	reference	reference
Hypertension : Yes	0.777	0.261	2.175	1.305	3.627	0.003

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Insulin : No	reference	reference	reference	reference	reference	reference
Insulin : Yes	0.654	0.121	1.923	1.518	2.437	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
LMWH : No	reference	reference	reference	reference	reference	reference
LMWH : Yes	1.414	0.709	4.113	1.025	16.51	0.013

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Major bleedings : No	reference	reference	reference	reference	reference	reference
Major bleedings : Yes	0.368	0.113	1.445	1.158	1.803	0.002

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Nitrate : No	reference	reference	reference	reference	reference	reference
Nitrate : Yes	0.42	0.064	1.521	1.341	1.726	<0.001

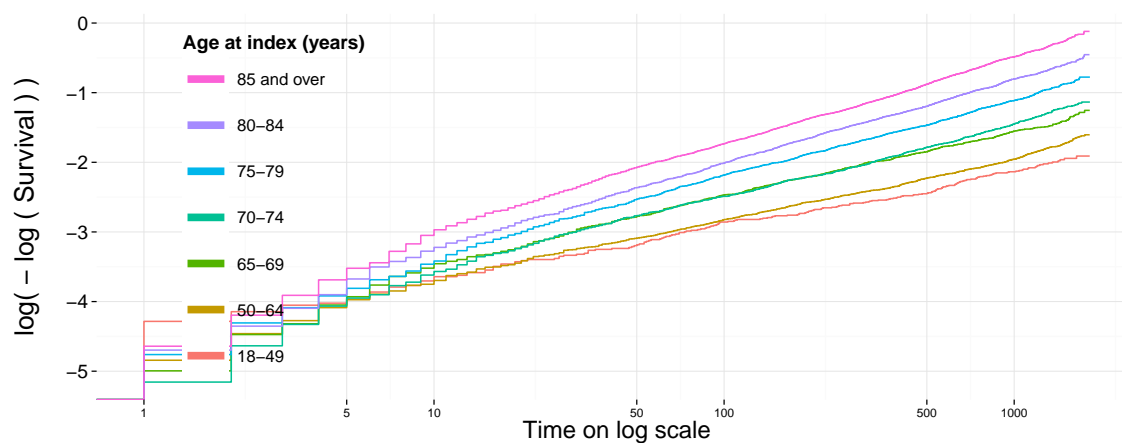
Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Oral antidiabetic : No	reference	reference	reference	reference	reference	reference
Oral antidiabetic : Yes	-0.483	0.122	0.617	0.486	0.783	<0.001

Variable	Parameter est	std	Hazard ratio	lower	upper	P-val
Proton pump inhibitor : No	reference	reference	reference	reference	reference	reference
Proton pump inhibitor : Yes	0.327	0.066	1.386	1.218	1.577	<0.001

2.3 Sensitivity analysis 3 : Proportional hazards assumption checks

2.3.1 Age at index (years)

Investigation of proportional hazards assumption for Composite end-point ,and Age at index (years) in Group 1 .The follow-up time is from index date until end of study period.

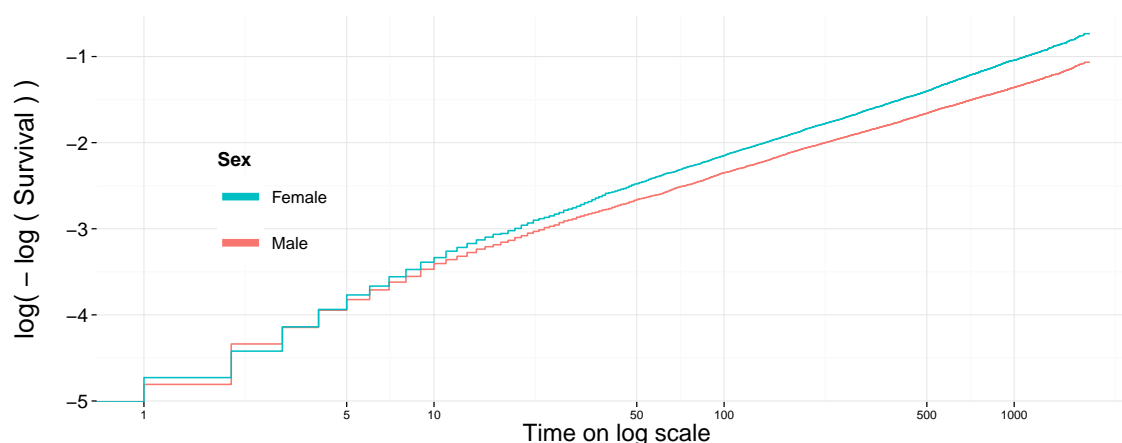


Formal test of proportional hazards assumption for Composite end-point ,and Age at index (years) in Group 1

	rho	chisq	p
Age at index (years) 50-64	0.022	4.244	0.039
Age at index (years) 65-69	0.020	3.421	0.064
Age at index (years) 70-74	0.041	14.484	< 0.001
Age at index (years) 75-79	0.047	19.376	< 0.001
Age at index (years) 80-84	0.057	28.680	< 0.001
Age at index (years) 85 and over	0.065	37.556	< 0.001

2.3.2 Sex

Investigation of proportional hazards assumption for Composite end-point ,and Sex in Group 1 .The follow-up time is from index date until end of study period.

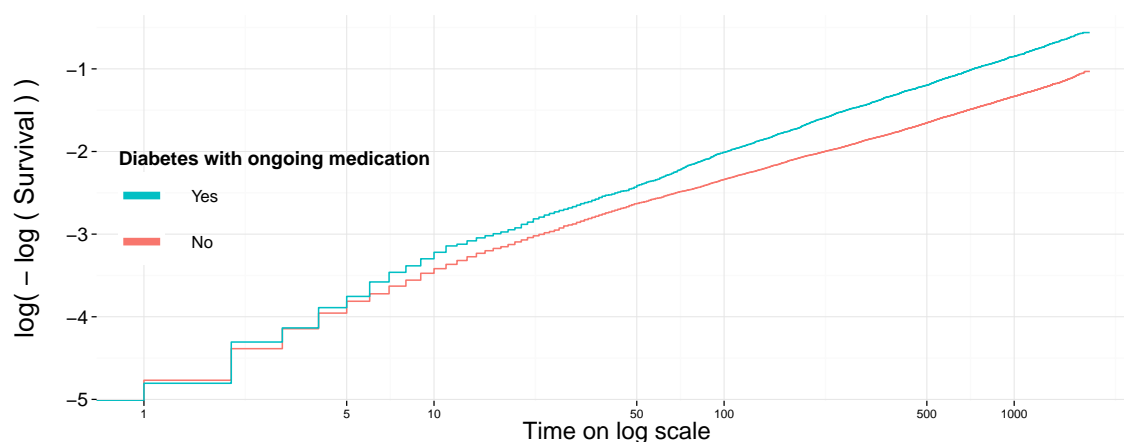


Formal test of proportional hazards assumption for Composite end-point ,and Sex in Group 1

	rho	chisq	p
Sex Female	0.049	20.765	< 0.001

2.3.3 Diabetes with ongoing medication

Investigation of proportional hazards assumption for Composite end-point ,and Diabetes with ongoing medication in Group 1 .The follow-up time is from index date until end of study period.

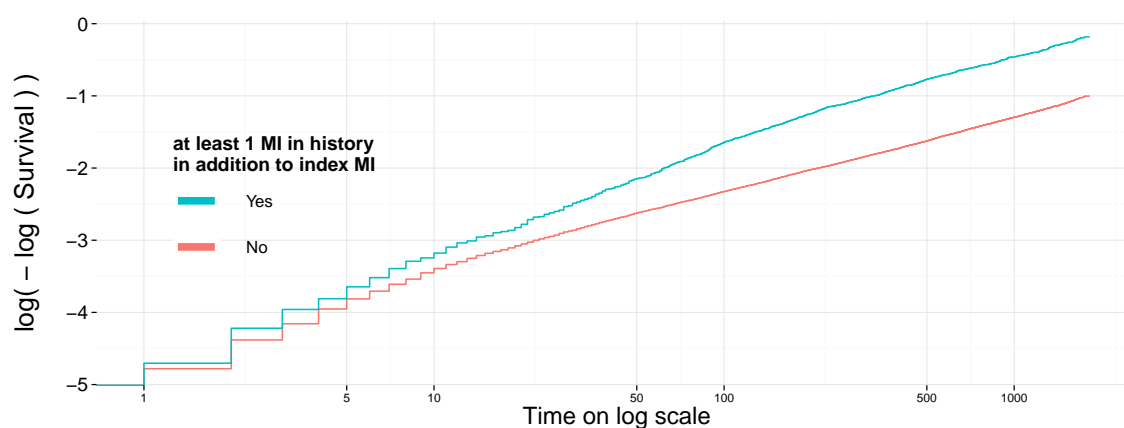


Formal test of proportional hazards assumption for Composite end-point ,and Diabetes with ongoing medication in Group 1

	rho	chisq	p
Diabetes with ongoing medication Yes	0.049	20.676	< 0.001

2.3.4 At least 1 MI in history in addition to index MI

Investigation of proportional hazards assumption for Composite end-point ,and at least 1 MI in history in addition to index MI in Group 1 .The follow-up time is from index date until end of study period.

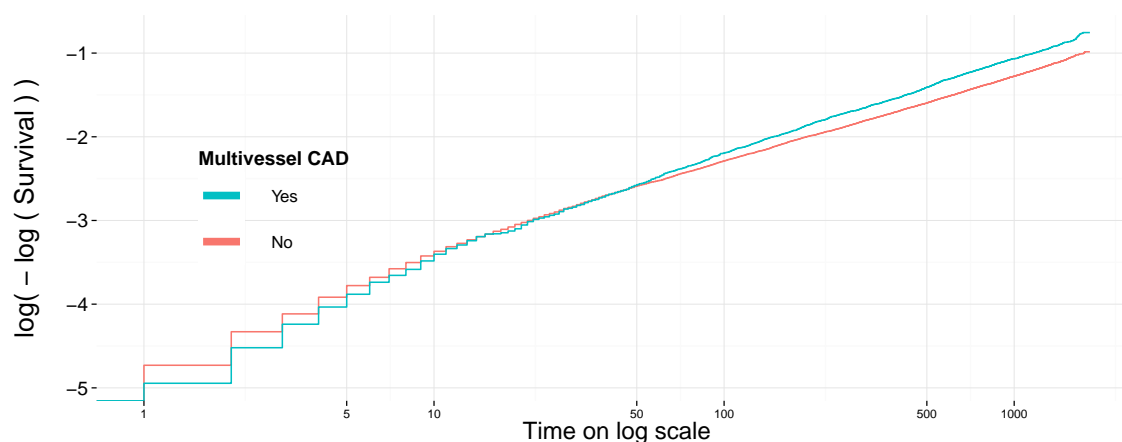


Formal test of proportional hazards assumption for Composite end-point ,and at least 1 MI in history in addition to index MI in Group 1

	rho	chisq	p
at least 1 MI in history in addition to index MI Yes	0.039	12.693	< 0.001

2.3.5 History of Multivessel CAD

Investigation of proportional hazards assumption for Composite end-point ,and Multivessel CAD in Group 1 .The follow-up time is from index date until end of study period.

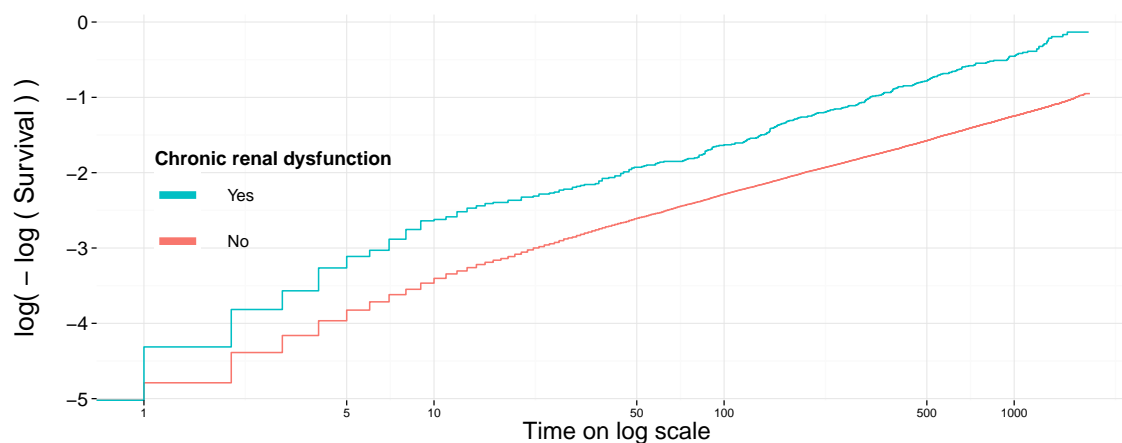


Formal test of proportional hazards assumption for Composite end-point ,and Multivessel CAD in Group 1

	rho	chisq	p
Multivessel CAD Yes	0.038	12.363	< 0.001

2.3.6 Chronic renal dysfunction

Investigation of proportional hazards assumption for Composite end-point ,and Chronic renal dysfunction in Group 1 .The follow-up time is from index date until end of study period.

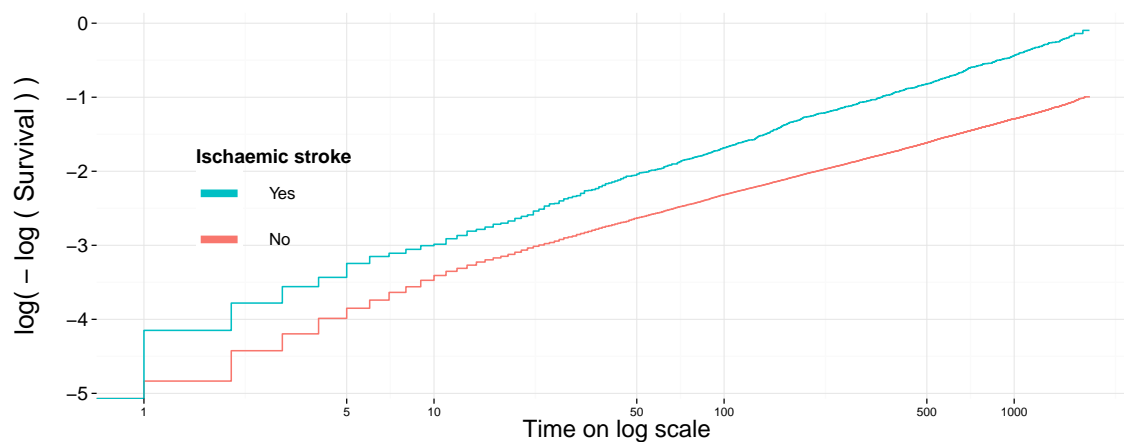


Formal test of proportional hazards assumption for Composite end-point ,and Chronic renal dysfunction in Group 1

	rho	chisq	p
Chronic renal dysfunction Yes	0.02	3.145	0.076

2.3.7 Ischaemic stroke

Investigation of proportional hazards assumption for Composite end-point ,and Ischaemic stroke in Group 1 .The follow-up time is from index date until end of study period.



Formal test of proportional hazards assumption for Composite end-point ,and Ischaemic stroke in Group 1

	rho	chisq	p
Ischaemic stroke Yes	0.048	18.697	< 0.001