

SUPPLEMENTAL MATERIAL

Table S1. Baseline characteristic in 110,742 patients who underwent coronary artery bypass grafting in Sweden during 1992–2015 by sex and age groups.

	Total	Men	Women	
Age group 18–54	12967	10928 (84.3%)	2039 (15.7%)	
Mean age, years (SD)	49.5 (4.2)	49.6 (4.1)	49.1 (4.6)	
	n (%)	n (%)	n (%)	p-value
Myocardial infarction	5930 (45.7)	5064 (46.3)	866 (42.5)	0.0014
Diabetes	2474 (19.1)	1837 (16.8)	637 (31.2)	<.0001
Hypertension	3356 (25.9)	2695 (24.7)	661 (32.4)	<.0001
Heart failure	1001 (7.7)	788 (7.2)	213 (10.4)	<.0001
Atrial fibrillation	205 (1.6)	183 (1.7)	22 (1.2)	0.051
Stroke	256 (2.0)	215 (2.0)	41 (2.0)	0.95
Chronic respiratory disease	346 (2.7)	247 (2.3)	99 (4.9)	<.0001
Peripheral vascular disease	394 (3.0)	291 (2.7)	103 (5.1)	<.0001
Renal insufficiency	279 (2.2)	180 (1.7)	99 (4.9)	<.0001
Congenital heart disease	19 (0.1)	13 (0.1)	6 (0.3)	0.13
Malignancy	217 (1.7)	152 (1.4)	65 (3.2)	<.0001
Marital status				
Married/cohabiting	7393 (57.0)	6288 (57.5)	1105 (54.2)	
Not married	2966 (22.9)	2568 (23.5)	398 (19.5)	
Divorced	2472 (19.1)	1997 (18.3)	475 (23.3)	
Widowed	136 (1.0)	75 (0.7)	61 (3.0)	<.0001
Education				
<10 years	4283 (33.0)	3646 (33.4)	637 (31.2)	
10-12 years	6297 (48.6)	5217 (47.7)	1082 (53.0)	
>12 years	2387 (18.4)	2065 (18.9)	322 (15.8)	0.56
Income				
Q1 (lowest)	1964 (15.1)	1601 (14.7)	363 (17.8)	
Q2	1892 (14.6)	1551 (14.2)	341 (16.7)	
Q3	1742 (13.4)	1458 (13.3)	284 (13.9)	
Q4	3160 (24.4)	2671 (24.4)	489 (24.0)	
Q5	4209(32.5)	3647 (33.4)	562 (27.6)	<.0001
Age group 55–64	30486	25520 (83.7%)	4966 (16.3%)	
Mean age, years (SD)	60.0 (2.8)	60.0 (2.8)	60.2 (2.8)	<.0001
	n (%)	n (%)	n (%)	p-value

Myocardial infarction	13652 (44.8)	11496 (45.0)	2156 (43.4)	0.036
Diabetes	6307 (20.7)	4908 (19.2)	1399 (28.2)	<.0001
Hypertension	9764 (32.0)	7904 (31.0)	1860 (37.5)	<.0001
Heart failure	2826 (9.3)	2307 (9.0)	519 (10.5)	0.0021
Atrial fibrillation	1147 (3.8)	1031 (4.0)	116 (2.3)	<.0001
Stroke	1092 (3.6)	912 (3.6)	180 (3.6)	0.89
Chronic respiratory disease	1226 (4.0)	907 (3.6)	319 (6.4)	<.0001
Peripheral vascular disease	1467 (4.8)	1151 (4.5)	316 (6.4)	<.0001
Renal insufficiency	444 (1.5)	355 (1.4)	89 (1.8)	0.040
Congenital heart disease	33 (0.1)	29 (0.1)	4 (0.1)	0.71
Malignancy	1100 (3.6)	859 (3.4)	241 (4.9)	<.0001
Marital status				
Married/cohabiting	19917 (65.3)	17021 (66.7)	2896 (58.3)	
Not married	3664 (12.0)	3220 (12.6)	444 (8.9)	
Divorced	5791 (19.0)	4654 (18.2)	1137 (22.9)	
Widowed	1114 (3.7)	625 (2.4)	489 (9.8)	<.0001
Education				
<10 years	12796 (42.0)	10582 (41.5)	2214 (44.6)	
10-12 years	12290 (40.3)	10249 (40.2)	2041 (41.1)	
>12 years	5400 (17.7)	4689 (18.4)	711 (14.3)	<.0001
Income				
Q1 (lowest)	4358 (14.3)	3266 (12.8)	1092 (22.0)	
Q2	4341 (14.2)	3455 (13.5)	886 (17.8)	
Q3	4941 (16.2)	3999 (15.7)	942 (19.0)	
Q4	7603 (24.9)	6542 (25.6)	1061 (21.4)	
Q5	9243 (30.3)	8258 (32.4)	985 (19.8)	<.0001
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Age group 65–74	44413	34378 (77.4%)	10035 (22.6%)	
Mean, age, years (SD)	69.6 (2.8)	69.5 (2.8)	69.9 (2.8)	
	n (%)	n (%)	n (%)	p-value
Myocardial infarction	21106 (47.5)	16339 (47.5)	4767 (47.8)	0.98
Diabetes	9009 (20.3)	6624 (19.3)	2385 (23.8)	<.0001
Hypertension	15634 (35.2)	11626 (33.8)	4008 (39.9)	<.0001
Heart failure	5527 (12.4)	4202 (12.2)	1325 (13.2)	0.0096
Atrial fibrillation	3383 (7.6)	2795 (8.1)	588 (5.9)	<.0001
Stroke	2392 (5.4)	1898 (5.5)	494 (4.9)	0.020
Chronic respiratory disease	2214 (5.0)	1597 (4.6)	617 (6.1)	<.0001

Peripheral vascular disease	3126 (7.0)	2333 (6.8)	793 (7.9)	0.0002
Renal insufficiency	721 (1.6)	563 (1.6)	158 (1.6)	0.70
Congenital heart disease	48 (0.1)	37 (0.1)	11 (0.1)	1.00
Malignancy	3436 (7.7)	2723 (7.9)	713 (7.1)	0.0071
Marital status				
Married/cohabiting	30470 (68.6)	25069 (72.9)	5401 (53.8)	
Not married	3143 (7.1)	2681 (7.8)	462 (4.6)	
Divorced	5941 (13.4)	4304 (12.5)	1637 (16.3)	
Widowed	4859 (10.9)	2324 (6.8)	2535 (25.3)	<.0001
Education				
<10 years	23198 (52.2)	17196 (50.0)	6002 (59.8)	
10-12 years	15075 (33.9)	11955 (34.8)	3120 (31.1)	
>12 years	6140 (13.8)	5227 (15.2)	913 (9.1)	<.0001
Income				
Q1 (lowest)	9267 (20.9)	5509 (16.0)	3758 (37.4)	
Q2	9617 (21.7)	7308 (21.3)	2309 (23.0)	
Q3	10291 (23.2)	8257 (24.0)	2034 (20.3)	
Q4	8383 (18.9)	7185 (20.9)	1198 (11.9)	
Q5	6855 (15.4)	6119 (17.8)	736 (7.3)	<.0001
Age group 75+	22876	16280 (71.2%)	6596 (28.8%)	
Mean age, years (SD)	78.0 (2.7)	78.0 (2.7)	78.1 (2.6)	
	n (%)	n (%)	n (%)	p-value
Myocardial infarction	12256 (53.6)	8550 (52.5)	3706 (56.2)	<.0001
Diabetes	4273 (18.7)	2895 (17.8)	1378 (20.9)	<.0001
Hypertension	9140 (40.0)	6056 (37.2)	3084 (46.8)	<.0001
Heart failure	4016 (17.6)	2783 (17.1)	1233 (18.7)	0.0044
Atrial fibrillation	2880 (12.6)	2163 (13.3)	717 (10.9)	<.0001
Stroke	1610 (7.0)	1189 (7.3)	421 (6.4)	0.014
Chronic respiratory disease	1386 (6.1)	943 (5.8)	443 (6.8)	0.0093
Peripheral vascular disease	1888 (8.3)	1329 (8.2)	559 (8.5)	0.45
Renal insufficiency	479 (2.1)	375 (2.3)	104 (1.6)	0.0004
Congenital heart disease	22 (0.1)	18 (0.1)	4 (0.1)	0.39
Malignancy	2981 (13.0)	2307 (14.2)	674 (10.2)	<.0001
Marital status				
Married/cohabiting	14168 (61.9)	11655 (71.6)	2513 (38.1)	
Not married	1162 (5.1)	892 (5.5)	270 (4.1)	

Divorced	2041 (8.9)	1307 (8.0)	734 (11.1)	
Widowed	5505 (24.1)	2426 (14.9)	3079 (46.7%)	<.0001
Education				
<10 years	13135 (57.4)	8817 (54.2)	4318 (65.5)	
10-12 years	7071 (30.9)	5308 (32.6)	1763 (26.7)	
>12 years	2670 (11.7)	2155 (13.2)	515 (7.8)	<.0001
Income				
Q1 (lowest)	6555 (28.7)	3092 (19.0)	3463 (52.5)	
Q2	6303 (27.6)	4875 (29.9)	1428 (21.6)	
Q3	5174 (22.6)	4237 (26.0)	937 (14.2)	
Q4	3003 (13.1)	2511 (15.4)	492 (7.5)	
Q5	1841 (8.0)	1565 (9.6)	276 (4.2)	<.0001

Table S2. Interactions between age categories and social factors in 110,742 patients who underwent coronary artery bypass grafting in Sweden during 1992–2015.

		p-value for interaction between age categories and social factors			
Subgroup	No at risk	Social factors	Model 1 Age-adjusted*	Model 2 Multi adjusted †	Model 3 Multi adjusted HR‡
Male	87106	Marital status	<.0001	<.0001	<.0001
		Education	0.041	0.081	0.077
		Income	<.0001	<.0001	<.0001
Female	23636	Marital status	0.0026	0.018	0.14
		Education	0.34	0.19	0.26
		Income	0.0074	0.037	0.074

*Model 1, age-adjusted. † Model 2, adjusted for age, sex, year of surgery, comorbidities (previous myocardial infarction, diabetes, hypertension, heart failure, atrial fibrillation, stroke, chronic respiratory disease, peripheral vascular disease, renal insufficiency, malignancy, and congenital heart disease), ‡, Model 3, adjusted for model 2 and social factors other than the main effect variable.

Table S3. Age adjusted and multi-adjusted hazard ratios for all-cause mortality in 110,742 patients who underwent coronary artery bypass grafting in Sweden during 1992–2015.

	Men					Women					p-value §	p-value	p-value #
	No at risk	No of death	Age-adjusted HR* (95% CI)	Multi adjusted HR† (95% CI)	Multi adjusted HR‡ (95% CI)	No at risk	No of death	Age-adjusted HR* (95% CI)	Multi adjusted HR† (95% CI)	Multi adjusted HR‡ (95% CI)			
All ages													
Marital status													
Married/ cohabiting	60033	27238	1.00	1.00	1.00	11915	5586	1.00	1.00	1.00	0.014	0.057	0.030
Not married	9361	3609	1.40 (1.35-1.45)	1.38 (1.33-1.43)	1.17 (1.13-1.22)	1574	667	1.37 (1.26-1.49)	1.36 (1.26-1.48)	1.32 (1.20-1.44)			
Divorced	12262	4946	1.32 (1.28-1.36)	1.30 (1.26-1.34)	1.13 (1.09-1.17)	3983	1785	1.25 (1.19-1.32)	1.21 (1.15-1.28)	1.13 (1.06-1.22)			
Widowed	5450	3406	1.22 (1.17-1.26)	1.19 (1.15-1.23)	1.06 (1.02-1.10)	6164	3820	1.17 (1.12-1.23)	1.16 (1.11-1.21)	1.09 (1.03-1.16)			
Education													
>12 years	14136	4711	1.00	1.00	1.00	2461	817	1.00	1.00	1.00	0.95	0.55	0.75
10-12 years	32729	13300	1.20 (1.16-1.24)	1.16 (1.12-1.20)	1.09 (1.05-1.13)	8004	3342	1.20 (1.11-1.30)	1.18 (1.09-1.27)	1.14 (1.06-1.24)			
<10 years	40241	21187	1.34 (1.30-1.38)	1.28 (1.24-1.32)	1.15 (1.11-1.19)	13171	7699	1.36 (1.27-1.46)	1.29 (1.20-1.39)	1.25 (1.16-1.35)			
Income													
Q5	19589	4878	1.00	1.00	1.00	2559	653	1.00	1.00	1.00	<.0001	<.0001	0.0036
Q4	18909	7373	1.18 (1.14-1.22)	1.15 (1.11-1.20)	1.13 (1.09-1.17)	3240	1168	1.10 (1.00-1.21)	1.07 (0.97-1.17)	1.05 (0.95-1.15)			
Q3	17951	9216	1.35 (1.30-1.40)	1.29 (1.25-1.34)	1.24 (1.19-1.28)	4197	1999	1.24 (1.14-1.36)	1.23 (1.13-1.34)	1.18 (1.08-1.29)			
Q2	17189	10196	1.55 (1.50-1.61)	1.46 (1.41-1.51)	1.35 (1.30-1.41)	4964	2842	1.42 (1.30-1.55)	1.33 (1.22-1.45)	1.24 (1.14-1.36)			
Q1 (lowest)	13468	7535	1.79 (1.73-1.86)	1.66 (1.60-1.72)	1.44 (1.38-1.51)	8676	5196	1.56 (1.43-1.69)	1.45 (1.34-1.58)	1.25 (1.14-1.38)			
18–54 y													
Marital status													
Married/ cohabiting	6288	1318	1.00	1.00	1.00	1105	269	1.00	1.00	1.00	0.50	0.64	0.71

Not married	2568	658	1.71 (1.55-1.88)	1.57 (1.43-1.73)	1.27 (1.13-1.43)	398	111	1.50 (1.20-1.87)	1.34 (1.06-1.69)	1.23 (0.94-1.61)			
Divorced	1997	558	1.57 (1.42-1.73)	1.50 (1.35-1.65)	1.20 (1.06-1.36)	475	133	1.30 (1.06-1.60)	1.42 (1.15-1.76)	1.29 (1.00-1.68)			
Widowed	75	18	1.32 (0.83-2.11)	1.36 (0.85-2.17)	1.18 (0.74-1.89)	61	20	1.31 (0.83-2.06)	1.23 (0.78-1.94)	1.14 (0.70-1.85)			
Education													
>12 years	2065	335	1.00	1.00	1.00	322	65	1.00	1.00	1.00	0.13	0.25	0.39
10-12 years	5217	1181	1.35 (1.19-1.52)	1.29 (1.15-1.46)	1.18 (1.04-1.33)	1080	255	1.41 (1.07-1.87)	1.41 (1.06-1.87)	1.09 (0.83-1.44)			
<10 years	3646	1036	1.45 (1.28-1.64)	1.36 (1.20-1.54)	1.22 (1.07-1.38)	637	213	1.07 (0.82-1.41)	1.13 (0.86-1.49)	1.31 (0.98-1.75)			
Income													
Q5	3647	553	1.00	1.00	1.00	562	89	1.00	1.00	1.00	0.083	0.14	0.12
Q4	2671	662	1.32 (1.18-1.48)	1.26 (1.12-1.41)	1.20 (1.07-1.35)	489	129	1.32 (1.01-1.73)	1.28 (0.97-1.68)	1.23 (0.93-1.62)			
Q3	1458	359	1.54 (1.35-1.76)	1.39 (1.22-1.59)	1.27 (1.10-1.46)	284	98	1.93 (1.45-2.57)	1.69 (1.26-2.27)	1.54 (1.14-2.08)			
Q2	1551	443	1.79 (1.58-2.03)	1.59 (1.40-1.80)	1.34 (1.16-1.56)	341	95	1.60 (1.20-2.14)	1.52 (1.13-2.04)	1.27 (0.91-1.78)			
Q1 (lowest)	1601	605	2.43 (2.16-2.74)	2.09 (1.86-2.36)	1.71 (1.48-1.98)	363	122	1.99 (1.52-2.62)	1.74 (1.31-2.31)	1.40 (1.00-1.97)			

55–64 y
Marital status

Married/ cohabiting	17021	5281	1.00	1.00	1.00	2896	928	1.00	1.00	1.00	0.48	0.27	0.18
Not married	3220	1011	1.51 (1.41-1.61)	1.41 (1.32-1.51)	1.13 (1.04-1.22)	444	136	1.62 (1.35-1.94)	1.49 (1.24-1.79)	1.36 (1.10-1.67)			
Divorced	4654	1661	1.50 (1.42-1.59)	1.45 (1.37-1.53)	1.17 (1.09-1.25)	1137	416	1.42 (1.26-1.59)	1.35 (1.20-1.52)	1.18 (1.01-1.38)			
Widowed	625	270	1.47 (1.30-1.66)	1.42 (1.26-1.61)	1.18 (1.04-1.34)	489	212	1.36 (1.17-1.58)	1.24 (1.07-1.45)	1.09 (0.92-1.28)			

Education

>12 years	4689	1106	1.00	1.00	1.00	711	153	1.00	1.00	1.00	0.15	0.26	0.085
10-12 years	10249	3035	1.21 (1.13-1.30)	1.17 (1.09-1.25)	1.08 (1.01-1.16)	2041	600	1.27 (1.07-1.52)	1.23 (1.03-1.47)	1.19 (1.00-1.43)			
<10 years	10582	4082	1.37 (1.28-1.46)	1.30 (1.22-1.39)	1.14 (1.07-1.23)	2214	939	1.58 (1.33-1.88)	1.51 (1.27-1.79)	1.45 (1.21-1.73)			

Income

Q5	8258	1646	1.00	1.00	1.00	985	194	1.00	1.00	1.00	0.51	0.38	0.38
Q4	6542	2178	1.24 (1.17-1.33)	1.21 (1.14-1.29)	1.18 (1.11-1.26)	1061	309	1.14 (0.96-1.37)	1.08 (0.90-1.29)	1.03 (0.85-1.23)			
Q3	3999	1537	1.46 (1.36-1.56)	1.39 (1.29-1.49)	1.31 (1.22-1.41)	942	347	1.29 (1.08-1.54)	1.20 (1.00-1.44)	1.11 (0.92-1.33)			

Q2	3455	1441	1.80 (1.68-1.93)	1.67 (1.56-1.79)	1.49 (1.37-1.62)	886	365	1.68 (1.41-2.00)	1.53 (1.28-1.82)	1.32 (1.09-1.59)			
Q1 (lowest)	3266	1421	2.15 (2.00-2.30)	1.87 (1.74-2.00)	1.61 (1.47-1.76)	1092	477	1.86 (1.57-2.20)	1.61 (1.36-1.91)	1.29 (1.05-1.60)			
65–74 y													
Marital status													
Married/ cohabiting	25069	13079	1.00	1.00	1.00	5401	2838	1.00	1.00	1.00	0.24	0.61	0.85
Not married	2681	1361	1.32 (1.25-1.40)	1.31 (1.24-1.39)	1.13 (1.06-1.21)	462	230	1.18 (1.03-1.35)	1.20 (1.05-1.37)	1.22 (1.05-1.42)			
Divorced	4304	1992	1.26 (1.20-1.32)	1.26 (1.20-1.32)	1.12 (1.06-1.19)	1637	824	1.26 (1.16-1.36)	1.22 (1.13-1.32)	1.20 (1.08-1.34)			
Widowed	2324	1422	1.21 (1.15-1.28)	1.20 (1.13-1.26)	1.07 (1.01-1.14)	2535	1555	1.16 (1.09-1.23)	1.16 (1.09-1.23)	1.13 (1.03-1.24)			
Education													
>12 years	5227	2086	1.00	1.00	1.00	913	343	1.00	1.00	1.00	0.87	0.51	0.92
10-12 years	11955	5731	1.21 (1.15-1.27)	1.15 (1.10-1.21)	1.10 (1.04-1.15)	3120	1470	1.21 (1.07-1.36)	1.17 (1.04-1.32)	1.15 (1.02-1.30)			
<10 years	17196	10037	1.38 (1.32-1.45)	1.31 (1.25-1.37)	1.19 (1.14-1.25)	6002	3634	1.37 (1.22-1.53)	1.29 (1.16-1.45)	1.28 (1.14-1.43)			
Income													
Q5	6119	1889	1.00	1.00		736	248	1.00	1.00		0.020	0.0044	0.026
Q4	7185	3219	1.15 (1.09-1.22)	1.13 (1.06-1.19)	1.10 (1.04-1.17)	1198	475	0.98 (0.84-1.14)	0.98 (0.84-1.14)	0.97 (0.83-1.13)			
Q3	8257	4698	1.29 (1.22-1.36)	1.23 (1.17-1.30)	1.18 (1.11-1.24)	2034	1044	1.16 (1.01-1.33)	1.15 (1.00-1.32)	1.12 (0.97-1.28)			
Q2	7308	4700	1.47 (1.39-1.55)	1.37 (1.30-1.45)	1.27 (1.20-1.35)	2309	1425	1.25 (1.09-1.43)	1.16 (1.02-1.33)	1.09 (0.95-1.26)			
Q1 (lowest)	5509	3338	1.69 (1.59-1.79)	1.57 (1.49-1.66)	1.36 (1.27-1.46)	3758	2255	1.38 (1.21-1.58)	1.30 (1.14-1.49)	1.10 (0.94-1.28)			
>75 y													
Marital status													
Married/ cohabiting	11655	7560	1.00	1.00	1.00	2513	1551	1.00	1.00	1.00	0.83	0.91	0.71
Not married	892	579	1.16 (1.06-1.26)	1.17 (1.08-1.28)	1.07 (0.97-1.17)	270	190	1.20 (1.03-1.39)	1.21 (1.04-1.41)	1.11 (0.93-1.31)			
Divorced	1307	735	1.13 (1.05-1.22)	1.12 (1.04-1.21)	1.04 (0.96-1.14)	734	412	1.11 (1.00-1.24)	1.08 (0.97-1.20)	0.97 (0.85-1.11)			
Widowed	2426	1695	1.11 (1.06-1.17)	1.09 (1.03-1.15)	1.02 (0.96-1.09)	3079	2033	1.08 (1.01-1.15)	1.07 (1.00-1.14)	0.96 (0.87-1.06)			
Education													
>12 years	2155	1184	1.00	1.00	1.00	515	256	1.00	1.00	1.00	0.75	0.62	0.81

10-12 years	5308	3353	1.11 (1.04-1.19)	1.10 (1.03-1.18)	1.07 (1.00-1.15)	1763	1017	1.18 (1.03-1.35)	1.17 (1.02-1.34)	1.10 (0.95-1.27)			
<10 years	8817	6032	1.24 (1.16-1.32)	1.21 (1.14-1.29)	1.14 (1.07-1.22)	4318	2913	1.30 (1.14-1.47)	1.24 (1.09-1.40)	1.15 (1.00-1.31)			
Income													
Q5	1565	780	1.00	1.00	1.00	276	122	1.00	1.00	1.00	0.31	0.25	0.20
Q4	2511	1314	1.02 (0.94-1.12)	1.02 (0.93-1.11)	1.01 (0.92-1.10)	492	255	1.24 (1.00-1.54)	1.21 (0.97-1.50)	1.20 (0.96-1.49)			
Q3	4237	2622	1.10 (1.02-1.20)	1.09 (1.01-1.18)	1.06 (0.98-1.15)	937	510	1.29 (1.06-1.57)	1.35 (1.10-1.64)	1.31 (1.07-1.60)			
Q2	4875	3612	1.21 (1.12-1.30)	1.17 (1.08-1.26)	1.11 (1.02-1.20)	1428	957	1.50 (1.24-1.81)	1.49 (1.23-1.80)	1.44 (1.19-1.75)			
Q1 (lowest)	3092	2241	1.32 (1.21-1.43)	1.27 (1.17-1.38)	1.18 (1.07-1.30)	3463	2342	1.57 (1.31-1.88)	1.54 (1.28-1.85)	1.52 (1.25-1.85)			

*Hazard ratio (HR) adjusted for age. † Hazard ratio (HR) adjusted for age, sex, year of surgery, comorbidities listed in table 1, ‡, Hazard ratio (HR) adjusted for age, sex, year of surgery, comorbidities listed in table 1, and social factors other than the variable under study § p-value for interaction between sex in age adjusted model. || p-value for interaction between sex in multi-adjusted model, #,

Table S4. Multi-adjusted for all-cause mortality in 110,742 patients who underwent coronary artery bypass grafting in Sweden during 1992–2015.

	No at risk	No of death	Men Age-adjusted HR* (95% CI)	No at risk	No of death	Women Age-adjusted HR* (95% CI)	p-value
All ages							
Marital status							
Married/ cohabiting	60033	27238	1.00	11915	5586	1.00	0.0060
Not married	9361	3609	1.15 (1.11 - 1.20)	1574	667	1.29 (1.18 - 1.42)	
Divorced	12262	4946	1.11 (1.07 - 1.15)	3983	1785	1.14 (1.07 - 1.22)	
Widowed	5450	3406	1.06 (1.01 - 1.10)	6164	3820	1.07 (1.01 - 1.13)	
Education							
>12 years	14136	4711	1.00	2461	817	1.00	0.33
10-12 years	32729	13300	1.11 (1.07 - 1.15)	8004	3342	1.15 (1.07 - 1.25)	
<10 years	40241	21187	1.17 (1.14 - 1.21)	13171	7699	1.30 (1.20 - 1.40)	
Income							
Q5	19589	4878	1.00	2559	653	1.00	0.0024
Q4	18909	7373	1.15 (1.11 - 1.19)	3240	1168	1.07 (0.97 - 1.18)	
Q3	17951	9216	1.29 (1.24 - 1.34)	4197	1999	1.19 (1.08 - 1.30)	
Q2	17189	10196	1.44 (1.39 - 1.50)	4964	2842	1.31 (1.20 - 1.44)	
Q1 (lowest)	13468	7535	1.56 (1.49 - 1.63)	8676	5196	1.34 (1.22 - 1.48)	
18–54 y							
Marital status							
Married/ cohabiting	6288	1318	1.00	1105	269	1.00	0.56
Not married	2568	658	1.30 (1.16 - 1.46)	398	111	1.27 (0.98 - 1.64)	
Divorced	1997	558	1.17 (1.04 - 1.33)	475	133	1.08 (0.84 - 1.40)	
Widowed	75	18	1.08 (0.68 - 1.72)	61	20	1.12 (0.69 - 1.80)	
Education							
>12 years	2065	335	1.00	322	65	1.00	0.29
10-12 years	5217	1181	1.20 (1.06 - 1.36)	1080	255	1.01 (0.77 - 1.33)	
<10 years	3646	1036	1.27 (1.12 - 1.44)	637	213	1.26 (0.95 - 1.67)	
Income							
Q5	3647	553	1.00	562	89	1.00	0.084
Q4	2671	662	1.26 (1.12 - 1.41)	489	129	1.28 (0.98 - 1.69)	
Q3	1458	359	1.40 (1.22 - 1.60)	284	98	1.81 (1.35 - 2.42)	
Q2	1551	443	1.50 (1.30 - 1.74)	341	95	1.43 (1.03 - 2.00)	
Q1 (lowest)	1601	605	1.98 (1.71 - 2.29)	363	122	1.72 (1.24 - 2.39)	
55–64 y							
Marital status							

Married/ cohabiting	17021	5281	1.00	2896	928	1.00	0.21
Not married	3220	1011	1.13 (1.04 - 1.22)	444	136	1.42 (1.16 - 1.74)	
Divorced	4654	1661	1.14 (1.07 - 1.22)	1137	416	1.18 (1.02 - 1.38)	
Widowed	625	270	1.16 (1.02 - 1.32)	489	212	1.14 (0.97 - 1.35)	
Education							
>12 years	4689	1106	1.00	711	153	1.00	0.036
10-12 years	10249	3035	1.10 (1.03 - 1.18)	2041	600	1.20 (1.01 - 1.44)	
<10 years	10582	4082	1.17 (1.09 - 1.25)	2214	939	1.48 (1.24 - 1.77)	
Income							
Q5	8258	1646	1.00	985	194	1.00	0.51
Q4	6542	2178	1.21 (1.13 - 1.29)	1061	309	1.09 (0.91 - 1.31)	
Q3	3999	1537	1.37 (1.28 - 1.48)	942	347	1.18 (0.99 - 1.42)	
Q2	3455	1441	1.61 (1.48 - 1.75)	886	365	1.44 (1.19 - 1.74)	
Q1 (lowest)	3266	1421	1.87 (1.71 - 2.04)	1092	477	1.47 (1.20 - 1.81)	
<hr/>							
65–74 y							
Marital status							
Married/ cohabiting	25069	13079	1.00	5401	2838	1.00	0.57
Not married	2681	1361	1.10 (1.03 - 1.17)	462	230	1.16 (1.00 - 1.35)	
Divorced	4304	1992	1.10 (1.04 - 1.16)	1637	824	1.19 (1.07 - 1.33)	
Widowed	2324	1422	1.06 (0.99 - 1.12)	2535	1555	1.08 (0.99 - 1.18)	
Education							
>12 years	5227	2086	1.00	913	343	1.00	0.83
10-12 years	11955	5731	1.13 (1.08 - 1.19)	3120	1470	1.17 (1.04 - 1.32)	
<10 years	17196	10037	1.23 (1.17 - 1.29)	6002	3634	1.32 (1.18 - 1.48)	
Income							
Q5	6119	1889	1.00	736	248	1.00	0.11
Q4	7185	3219	1.12 (1.06 - 1.19)	1198	475	0.97 (0.83 - 1.13)	
Q3	8257	4698	1.23 (1.16 - 1.29)	2034	1044	1.11 (0.96 - 1.27)	
Q2	7308	4700	1.36 (1.28 - 1.43)	2309	1425	1.16 (1.01 - 1.33)	
Q1 (lowest)	5509	3338	1.47 (1.37 - 1.58)	3758	2255	1.18 (1.02 - 1.38)	
<hr/>							
>75 y							
Marital status							
Married/ cohabiting	11655	7560	1.00	2513	1551	1.00	0.56
Not married	892	579	1.04 (0.94 - 1.14)	270	190	1.07 (0.91 - 1.27)	
Divorced	1307	735	1.04 (0.96 - 1.14)	734	412	0.99 (0.86 - 1.13)	
Widowed	2426	1695	1.03 (0.97 - 1.10)	3079	2033	0.95 (0.86 - 1.05)	
Education							
>12 years	2155	1184	1.00	515	256	1.00	0.66
10-12 years	5308	3353	1.07 (1.00 - 1.14)	1763	1017	1.11 (0.97 - 1.28)	
<10 years	8817	6032	1.15 (1.08 - 1.23)	4318	2913	1.20 (1.05 - 1.37)	
Income							

Q5	1565	780	1.00	276	122	1.00	0.22
Q4	2511	1314	1.02 (0.93 - 1.11)	492	255	1.23 (0.99 - 1.53)	
Q3	4237	2622	1.07 (0.99 - 1.16)	937	510	1.25 (1.02 - 1.52)	
Q2	4875	3612	1.14 (1.06 - 1.24)	1428	957	1.45 (1.20 - 1.75)	
Q1 (lowest)	3092	2241	1.21 (1.10 - 1.34)	3463	2342	1.54 (1.26 - 1.88)	

*Hazard ratio (HR) adjusted for age, sex, year of surgery and social factors other than the variable under study.