

SUPPLEMENTAL MATERIAL

Table S1. Changes over time in the excess mortality associated with in-hospital HF (Heart Failure)

Study year	Odds ratio (95% CI)	P for interaction*
In-hospital mortality		
2001	1.25 (1.04–1.50)	
2002	1.41 (1.17–1.69)	
2003	1.80 (1.58–2.25)	
2004	1.77 (1.46–2.15)	
2005	1.79 (1.47–2.17)	
2006	2.17 (1.77–2.67)	
2007	2.04 (1.65–2.53)	
2008	2.32 (1.87–2.88)	
2009	2.33 (1.85–2.89)	
Overall (2001–2009)	1.79 (1.68–1.91)	<0.001
30-day mortality		
2001	1.30 (1.09–1.55)	
2002	1.40 (1.17–1.67)	
2003	1.89 (1.59–2.25)	
2004	1.95 (1.62–2.34)	
2005	1.70 (1.41–2.05)	
2006	2.02 (1.66–2.47)	
2007	1.95 (1.58–2.40)	
2008	2.17 (1.75–2.68)	
2009	2.20 (1.78–2.73)	
Overall (2001–2009)	1.77 (1.66–1.88)	<0.001

Analyses adjusted for sex, age, previous coronary heart disease, hypertension, diabetes mellitus, chronic obstructive pulmonary disease, valvular heart disease, renal failure and atrial fibrillation.

Table S2. Length of hospitalization for the incident acute myocardial infarction

Study year	Length of hospitalization (days), median (IQR)			
	No in-hospital heart failure		In-hospital heart failure	
	All patients (n=57 541)	Discharged alive (n=53 800)	All patients (n=11 831)	Discharged alive (n=10 178)
Overall (2001-2009)	5 (4–8)	6 (4–8)	8 (5–15)	9 (6–15)
2001	6 (5–9)	6 (5–9)	9 (6–14)	9 (7–15)
2002	6 (5–9)	6 (5–9)	9 (6–15)	9 (6–15)
2003	6 (4–9)	6 (5–9)	9 (6–15)	9 (6–15)
2004	6 (4–8)	6 (4–8)	9 (6–15)	9 (6–16)
2005	5 (4–8)	5 (4–8)	9 (5–16)	9 (6–17)
2006	5 (4–8)	5 (4–8)	9 (5–16)	9 (6–16)
2007	5 (4–7)	5 (4–7)	8 (5–15)	9 (6–15)
2008	5 (4–7)	5 (5–7)	8 (5–15)	8 (5–15)
2009	5 (3–7)	5 (4–7)	7 (5–13)	8 (5–14)
P for trend	<0.001	<0.001	0.001	0.002

IQR indicates interquartile range.

Table S3. Changes over time in the excess one-year mortality associated with post-discharge heart failure

Study year	All-cause mortality		Cardiovascular mortality	
	Hazard ratio (95% CI)	P for interaction	Subhazard ratio (95% CI)	P for interaction
2001	6.58 (5.13–8.45)		8.15 (5.36–11.34)	
2002	5.73 (4.35–7.54)		7.15 (4.95–10.33)	
2003	4.39 (3.29–5.87)		5.77 (3.91–8.53)	
2004	7.22 (5.34–9.77)		11.22 (7.32–17.20)	
2005	6.87 (5.00–9.43)		14.50 (9.20–22.85)	
2006	5.35 (3.90–7.33)		5.90 (3.64–9.57)	
2007	6.67 (4.79–9.30)		9.60 (5.85–15.73)	
2008	6.44 (4.70–8.82)		6.99 (4.04–12.06)	
Overall (2001–2008)	5.98 (5.39–6.64)	0.67	7.93 (6.84–9.19)	0.85

Analyses adjusted for sex, age, previous coronary heart disease, hypertension, diabetes mellitus, chronic obstructive pulmonary disease, valvular heart disease, renal failure and atrial fibrillation.

Table S4. Changes over time in the odds of receiving myocardial revascularization between patients with and without early-onset heart failure: a CVDNOR project

Study year	Odds ratio (95% CI)	P for interaction
2001	0.74 (0.61–0.90)	
2002	0.72 (0.60–0.85)	
2003	0.69 (0.59–0.80)	
2004	0.75 (0.65–0.87)	
2005	0.77 (0.68–0.88)	
2006	0.87 (0.76–0.98)	
2007	0.99 (0.88–1.13)	
2008	1.09 (0.96–1.23)	
2009	1.14 (1.01–1.29)	
Overall (2001–2009)	0.90 (0.86–0.94)	<0.001

Analyses adjusted for sex, age, previous coronary heart disease, hypertension, diabetes, renal failure, chronic obstructive pulmonary disease, valvular heart disease and atrial fibrillation.