

Appendix 1: Temporal trends in crude and risk-adjusted mortality and readmission rates of patients newly diagnosed with heart failure identified in the inpatient setting by one hospitalization or in the outpatient setting by one outpatient claim*

	1997	1999	2001	2003	2005	2007	% change 1997-2007	<i>p</i> value
Overall mortality rates, %	<i>n=53437</i>	<i>n=55198</i>	<i>n=54632</i>	<i>n=49237</i>	<i>n=48218</i>	<i>n=46302</i>		
30-day mortality rate								
Crude	9.7	9.7	9.3	9.4	9.1	9.0	-7.3	0.001
Risk-adjusted	10.2	9.8	8.9	9.2	9.0	9.1	-11.2	0.003
1-year mortality rate								
Crude	22.2	21.7	21.0	21.7	20.9	21.0	-5.4	0.026
Risk-adjusted	23.1	21.9	20.5	21.3	20.8	20.9	-9.3	0.005
Inpatient mortality rates, %	<i>n=17861</i>	<i>n=19019</i>	<i>n=19565</i>	<i>n=16755</i>	<i>n=15705</i>	<i>n=15044</i>		
30-day mortality rate								
Crude	16.2	16.4	15.2	15.7	16.2	16.0	-1.1	0.44
Risk-adjusted	16.9	16.4	14.8	15.6	16.0	16.0	-5.6	0.16
1-year mortality rate								
Crude	33.7	33.8	31.7	32.6	33.7	33.9	0.6	0.73
Risk-adjusted	35.2	33.9	31.2	32.4	33.1	33.1	-5.8	0.13
Outpatient mortality rates, %	<i>n=35576</i>	<i>n=36179</i>	<i>n=35067</i>	<i>n=32482</i>	<i>n=32513</i>	<i>n=31258</i>		
30-day mortality rate								
Crude	6.5	6.1	5.9	6.2	5.6	5.6	-13.0	0.006
Risk-adjusted	6.6	6.3	5.9	6.0	5.6	5.8	-13.3	0.001
1-year mortality rate								
Crude	16.4	15.3	15.0	16.0	14.8	14.7	-10.0	0.06
Risk-adjusted	16.7	15.6	15.0	15.6	14.7	15.0	-10.0	0.004
Readmission for heart failure, %	<i>n=15001</i>	<i>n=15891</i>	<i>n=16598</i>	<i>n=14144</i>	<i>n=13231</i>	<i>n=12651</i>		
30-day readmission rate								
Crude	4.1	3.6	3.2	3.6	3.4	3.6	-12.4	0.11
Risk-adjusted	4.2	3.6	3.2	3.6	3.3	3.5	-16.8	0.039
1-year readmission rate								
Crude	13.2	11.3	10.2	11.0	10.8	10.8	-18.2	0.034
Risk-adjusted	13.4	11.4	10.2	11.1	10.7	10.6	-20.9	0.017

Readmission for any reason, %	<i>n=15001</i>	<i>n=15891</i>	<i>n=16598</i>	<i>n=14144</i>	<i>n=13231</i>	<i>n=12651</i>		
30-day readmission rate								
Crude	17.1	16.2	15.7	15.5	15.6	15.8	-7.3	0.010
Risk-adjusted	17.4	16.0	15.3	15.6	15.7	15.9	-8.9	0.031
1-year readmission rate								
Crude	48.2	47.4	46.0	45.8	45.0	45.0	-6.6	<0.001
Risk-adjusted	48.7	47.0	45.2	46.1	45.2	45.1	-7.4	0.001

* Compared to Table 4, data presented in Appendix 1 show outcomes of patients identified in the outpatient setting using a one-claim method as opposed to the two-claim method used to select the cohort of patients examined in this study. Inpatient and outpatient mortality rates refer to mortality rates of incident patients with heart failure first identified in the inpatient or outpatient settings respectively. Readmission rates are determined for incident patients first diagnosed in the hospital who survived to discharge. Mortality and readmission rates are per 100 patients.