

Supplemental Material

Table S1. CCS, ICD-9 and ICD-10 codes for risk factors and comorbidities.

Comorbidity	CCS codes	ICD-9 Codes or CCS codes	ICD-10 Codes
Hypertension	NA	401	I10
Diabetes	NA	250	E11
Dyslipidemia	NA	272	E78
Atherosclerotic Cardiovascular Disease	NA	410, 413, 414, 433-437, 440, 443	I20, I21, I25, I63, G45, I70, I73, I79
Arthritis	202, 203	NA	M16, M17, M19
Cancer	11-43	NA	C34, C53, C55, C56, C61, C64, C71, C76, C80, C85, C95
Asthma	128	NA	J45
Hepatitis	6	NA	B19
Chronic Kidney Disease	128	NA	N18
Chronic Obstructive Pulmonary disease	127	NA	J42, J43, J44

CCS, clinical classification software; ICD, international classification of diseases

Table S2. Costliest categories among families with 1 or more members with HF, stratified by income level and insurance status, from the MEPS 2014-2018.

Characteristic	Out of pocket healthcare costs							
	OOP expenditures	Premiums	Total Health Services Cost	Inpatient	Outpatient	Medication	Emergency	Other
Overall, % (95% CI)	NA	32 (28 – 37)	NA	4 (2 – 6)	12 (9 – 15)	36 (32 – 41)	0 (0 – 2)	15 (12 – 18)
Family Income, % (95% CI)								
Low	NA	13 (10 – 18)	NA	5 (2 – 8)	14 (10 – 19)	50 (43 – 57)	1 (0 – 3)	18 (13 – 24)
Middle/High	NA	43 (37 – 50)	NA	4 (2 – 7)	11 (8 – 16)	28 (23 – 34)	0 (0 – 2)	14 (10 – 18)
Insurance Status, % (95% CI)								
Private	NA	50 (44 – 57)	NA	4 (2 – 9)	11 (7 – 16)	22 (17 – 28)	0 (0 – 3)	13 (9 – 18)
Public	NA	13 (9 – 19)	NA	4 (2 – 6)	14 (10 – 19)	51 (44 – 58)	1 (0 – 3)	17 (13 – 23)
Uninsured	NA	21 (5 – 58)	NA	22 (5 – 58)	1 (0 – 9)	37 (13 – 71)	0 (0 – 0)	19 (4 – 56)

HF, heart failure; MEPS, Medical expenditure panel survey

Figure S1. Employment Status of persons with heart failure.

