

Supplemental Tables/Figures

eTable 1. Baseline Patient Characteristics by 30-Day Episode Payment Categories

eTable 2. Association Between Hospital-Level 30-Day Episode Payments and Patient 30-Day Mortality

eTable 3. Association Between Hospital-Level *Inpatient* Payments and Patient 30-Day Mortality

eTable 4. Association Between Patient-Level Payments and Patient 30-Day Mortality

eTable 5. Association Between Hospital-Level 30-Day Episode Payments and Patient 1-year Mortality

eFigure 1. Distribution of Hospital-Level 30-Day Episode Payments for Heart Failure Care

eFigure 2. Regression of 30-day Episode Payments and 30-day Mortality Rates by Quantiles

eFigure 3. Non-Parametric Bootstrapping Simulation

eTable 1. Baseline Patient Characteristics by 30-Day Episode Payment Categories

	Low	Average	High	P value
Total	166052	699251	478489	
Age, mean (SD)	80.3 (8.9)	80.3 (8.9)	80.5 (9.1)	<0.001
Female	55.8	54.6	53.3	0.28
Race				<0.001
White	80.8	82.7	80.9	
Black	14.1	13.5	12.0	
Other	5.2	3.9	7.1	
Cardiovascular conditions and risk factors				
Prior heart failure	53.0	54.7	56.4	0.10
Coronary artery disease	55.0	57.6	61.0	0.10
Prior MI	8.9	9.1	9.5	0.17
Unstable angina	4.4	4.6	4.7	0.02
Peripheral vascular disease	11.5	12.5	13.4	0.05
Stroke	2.4	2.5	2.6	0.15
Cerebrovascular disease (other than stroke)	5.6	5.9	5.7	<0.001
Hypertension	73.8	72.8	71.6	0.80
Diabetes Mellitus	45.3	44.1	43.7	<0.001
Geriatric conditions				
Dementia	8.4	7.7	8.2	<0.001
Functional disability	4.0	4.1	4.6	<0.001
Malnutrition	8.6	9.3	10.0	0.28
Other conditions				
COPD	39.5	37.9	37.8	<0.001
Pneumonia	32.1	31.4	31.9	<0.001
Respiratory failure	17.6	19.8	20.0	<0.001
Renal failure	37.9	40.6	41.8	<0.001
Major psychiatric disorder	3.1	3.1	3.5	0.002
Depression	8.8	8.2	7.8	0.02
Trauma in past year	8.1	8.5	9.0	0.79

Abbreviations: MI, myocardial infarction; COPD, chronic obstructive pulmonary disease

eTable 2. Association Between Hospital-Level 30-Day Episode Payments and Patient 30-Day Mortality

	Estimate	Std. Error	Probability	Odds Ratio ^a	95% CI
Model A (Unadjusted, per \$1000 incr.)	-0.0253	0.0033	<0.001	0.975	0.969-0.982
Model B^b	-0.0402	0.0035	<0.001	0.961	0.954-0.967
Model C^c	-0.0281	0.0035	<0.001	0.972	0.966-0.979
Model D^d	-0.0322	0.0035	<0.001	0.968	0.962-0.975
Model E^e	-0.0310	0.0037	<0.001	0.969	0.962-0.977
Model F^f	-0.0314	0.0037	<0.001	0.969	0.962-0.976

^a Odds of mortality for every \$1000 increase in episode payments for HF care

^b Model B adjusted for patient characteristics

^c Model C adjusted for patient and hospital characteristics

^d Model D adjusted for patient characteristics, hospital characteristics, and hospital HF volume

^e Model E adjusted for patient characteristics, hospital characteristics, hospital HF volume, and PCI/CABG capability

^f Model F adjusted for patient characteristics, hospital characteristics, hospital HF volume, PCI/CABG capability, and discharge disposition (SNF and home healthcare)

eTable 3. Association Between Hospital-Level *Inpatient* Payments and Patient 30-Day

Mortality

	Estimate	Std. Error	Probability	Odds Ratio^a	95% CI
Model A (Unadjusted, per \$1000 incr.)	-0.0266	0.0016	<0.001	0.974	0.971-0.977
Model B^b	-0.0251	0.0016	<0.001	0.975	0.972-0.978
Model C^c	-0.0241	0.0020	<0.001	0.976	0.972-0.980

^a Odds of mortality for every \$1000 increase in inpatient payments

^b Model B adjusted for patient characteristics

^c Model C adjusted for all patient and hospital characteristics

eTable 4. Association Between Patient-Level Payments and Patient 30-Day Mortality

	Estimate	Std. Error	Probability	Odds Ratio^a	95% CI
Model A (Unadjusted, per \$1000 incr.)	0.0056	0.000186	<0.001	1.006	1.005-1.007
Model B^b	0.0057	0.000197	<0.001	1.006	1.005-1.006
Model C^c	0.0058	0.00020	<0.001	1.006	1.005-1.006

^a Odds of mortality for every \$1000 increase in patient-level payments for HF care

^b Model B adjusted for patient characteristics

^c Model C adjusted for patient and hospital characteristics

eTable 5. Association Between Hospital-Level 30-Day Episode Payments and Patient 1-year Mortality

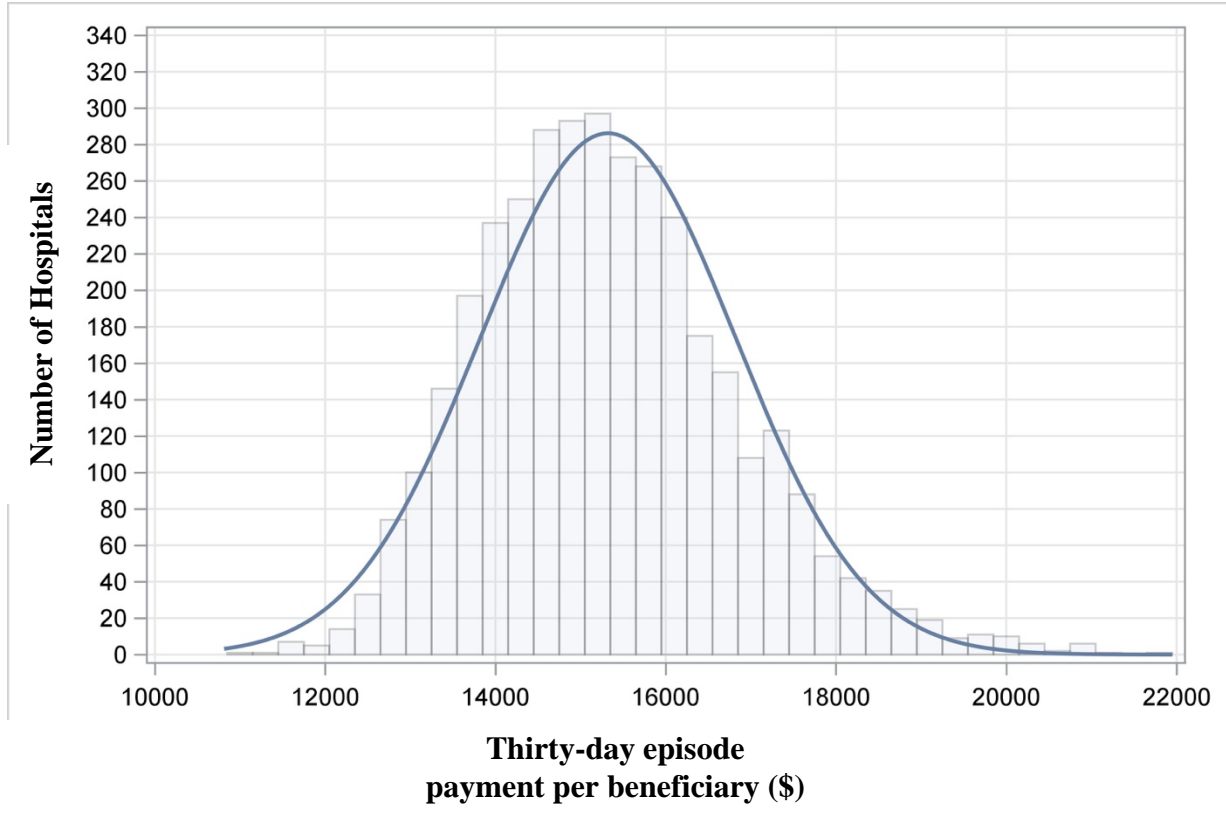
	Estimate	Std. Error	Probability	Odds Ratio^a	95% CI
Model A (Unadjusted, per \$1000 incr.)	-0.0063	0.0024	<0.001	0.993	0.989-0.998
Model B^b	-0.0226	0.0025	<0.001	0.978	0.973-0.983
Model C^c	-0.0154	0.0026	<0.001	0.984	0.979-0.989

^a Odds of 1-year mortality for every \$1000 increase in episode payments for HF care

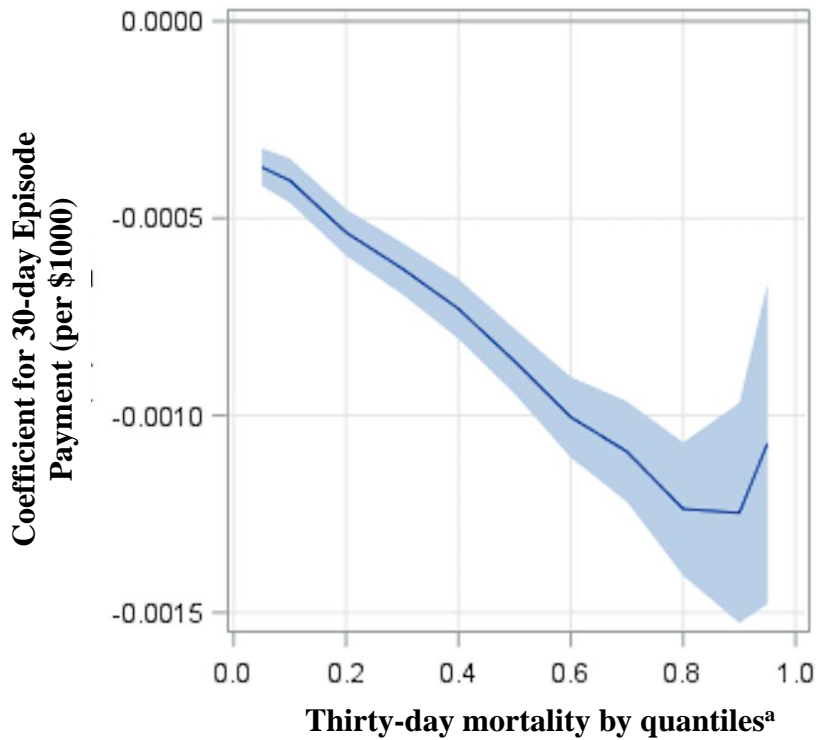
^b Model B adjusted for patient characteristics

^c Model C adjusted for patient and hospital characteristics

eFigure 1. Distribution of Hospital-Level 30-Day Episode Payments for Heart Failure Care*

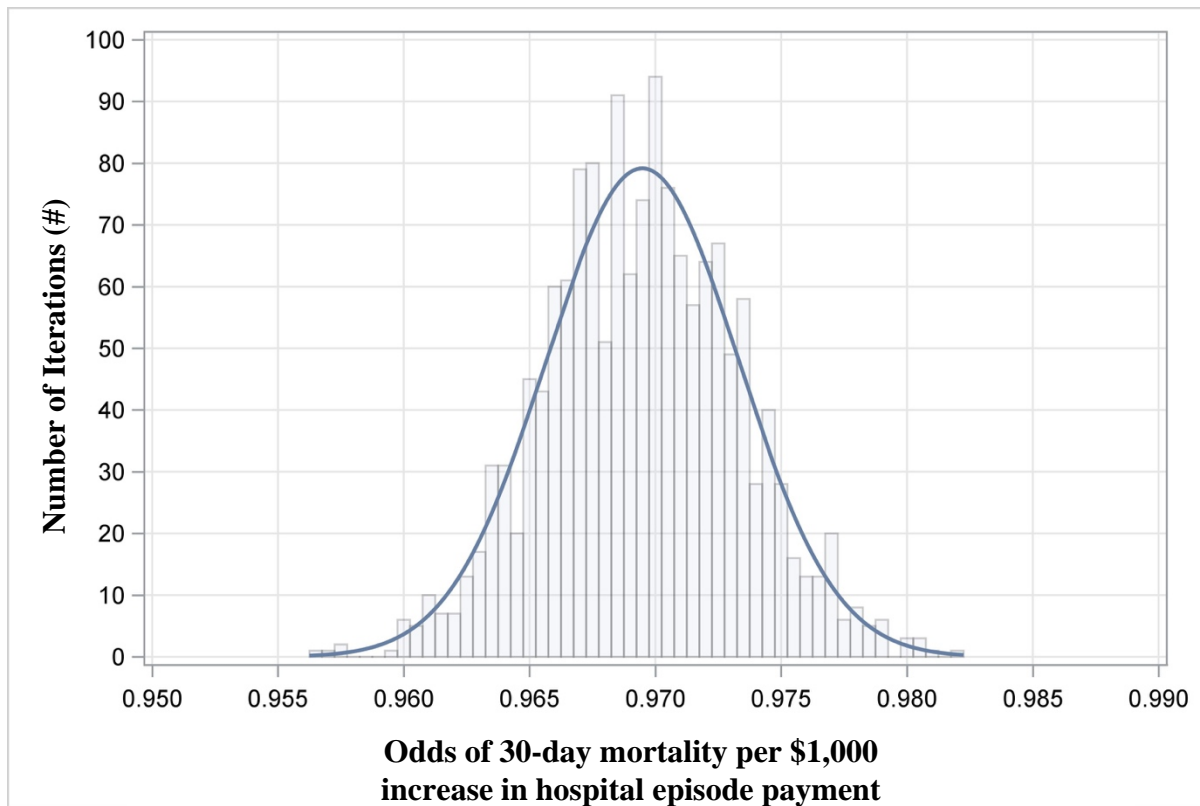


eFigure 2. Regression of 30-day Episode Payments and 30-day Mortality Rates by Quantiles



^a Log-odds estimate of 30-day death adjusted for patient characteristics with associated 95% confidence intervals

eFigure 3. Non-Parametric Bootstrapping Simulation



Iterative non-parametric bootstrapping simulation with replacements demonstrating the distribution of the odds ratios of the association between episode payments and outcomes (for Model D).