

Supplementary Online Content

Regenbogen SE, Cain-Nielsen AH, Norton EC, Chen LM, Birkmeyer JD, Skinner JS. Costs and consequences of early hospital discharge after major inpatient surgery in older adults. *JAMA Surg*. Published online March 22, 2017. doi:10.1001/jamasurg.2017.0123

eTable. Patient Characteristics by Hospital Length of Stay Group, for the Risk and Complications-Matched Patient Cohort Only

eFigure. Change in Hospitals' Average Price-Standardized and Case-Mix-Adjusted Total Episode Payments, by Hospitals' Change in Length of Stay Mode Between 2009 and 2012

This supplementary material has been provided by the authors to give readers additional information about their work.

eTable. Patient Characteristics by Hospital Length of Stay Group, for the Risk and Complications-Matched Patient Cohort Only

LOS group	Colectomy				CABG				THR			
	Shorte st	Mediu m	Longe st	p-value	Shorte st	Mediu m	Longe st	p-value	Shorte st	Mediu m	Longe st	p-value
Mode LOS (days)	≤ 3	4-6	≥ 7		≤ 4	5-6	≥ 7	e	≤ 2	3	≥4	
Patients in group (n)	11902	35281	11504		21971	41664	20040		9911	9856	9712	
Elixhauser score	4.0	4.2	4.3	0.30	3.2	3.1	3.2	0.57	1.2	1.0	1.1	0.59
Comorbidities												
CHF	6.6	6.5	6.4	0.04	1.1	1.0	1.0	0.92	4.8	3.8	3.4	0.61
Hypertension	62.9	62.4	64.7	0.03	64.1	64.0	65.0	0.66	71.3	71.8	71.1	0.93
Chronic pulmonary disease	15.6	14.0	15.7	0.01	18.1	17.0	18.2	0.05	15.9	14.4	15.3	0.67
Diabetes	20.1	19.1	20.5	0.14	31.0	29.9	30.8	0.31	21.0	19.3	17.9	0.55
Renal failure	4.4	4.3	4.1	0.83	14.6	14.6	12.8	0.001	7.1	5.5	4.2	0.25
Liver disease	1.3	0.9	0.9	0.44	0.5	0.5	0.6	0.12	0.5	0.4	0.5	0.90
Metastatic cancer	12.7	14.9	15.3	0.04	0.3	0.2	0.2	0.80	0.1	0.1	0.1	1.00
Solid tumor without metastasis	3.4	3.0	2.9	0.07	1.3	1.4	1.4	0.96	0.8	0.9	0.6	0.86
Coagulopathy	2.0	1.8	1.9	0.81	13.5	14.2	16.7	0.01	2.4	2.2	2.7	0.77
Fluid and electrolyte disorders	18.4	19.7	20.3	0.48	23.9	24.0	25.5	0.52	10.3	9.2	11.1	0.32
Anemia	22.0	22.2	23.9	0.15	14.5	14.8	17.0	0.02	20.2	17.9	21.5	0.16
Admission Type												
Emergent	21.9	22.2	22.7	0.96	26.6	25.7	26.2	0.90	0.5	0.9	0.4	0.05
Urgent	11.7	11.9	12.4		20.3	21.6	22.6		4.4	4.5	9.3	
Elective	66.2	65.7	64.6		52.7	52.4	50.9		95.1	94.5	90.3	
Trauma	0.0	0.0	0.0		0.1	0.0	0.0		0.0	0.0	0.0	
Other	0.1	0.2	0.2		0.3	0.2	0.3		0.1	0.1	0.0	
Male	40.4	39.7	38.2	0.16	67.1	67.8	66.5	0.01	37.9	39.5	35.6	0.23
Age group, %												
65-69, y	16.2	16.5	16.2	0.37	19.0	18.8	19.9	0.21	16.9	16.7	17.2	0.96
70-74, y	25.9	26.2	26.1		29.9	29.5	29.1		27.2	28.9	28.3	
75-79, y	24.4	23.6	23.9		28.0	27.7	27.0		26.2	26.2	26.4	
≥80, y	33.5	33.7	33.7		23.2	24.0	24.0		29.7	28.1	28.1	

eTable (cont'd)

LOS group	Colectomy				CABG				THR			
	Short est	Medium	Long est	p-value	Short est	Medium	Long est	p-value	Short est	Medium	Long est	p-value
Mode LOS (days)	≤ 3	4-6	≥ 7		≤ 4	5-6	≥ 7		≤ 2	3	≥ 4	
Race, %				0.76				<.001				0.07
White	90.2	90.8	90.7		92.4	92.2	87.4		90.3	93.8	92.7	
Black	6.2	6.0	6.6		4.3	3.9	6.9		7.2	4.9	4.6	
Other	3.6	3.1	2.7		3.3	3.9	5.7		2.5	1.3	2.8	
Complications	0.0	0.0	0.0	1	0.0	0.0	0.0	1				1
Pulmonary failure	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0	
Pneumonia	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0	
DVT/PE	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0	
Acute renal failure	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0	
Hemorrhage	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0	
Surgical site infection	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0	
Gastrointestinal hemorrhage	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0	
Any postoperative complication	0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0	
Diagnosis Category					0.26							
Diverticulitis	25.2	23.7	24.8	25.2		23.7	24.8					
Cancer	40.1	41.1	41.7	40.1		41.1	41.7					
Laparoscopic, %	50.5	35.2	26.9	<.001								

eFigure. Change in Hospitals' Average Price-Standardized and Case-Mix-Adjusted Total Episode Payments, by Hospitals' Change in Length of Stay Mode Between 2009 and 2012

