

<b>Data Supplement 3</b>				
<b>REGRESSION RESULTS EXCLUDING SAME DAY MISSES</b>				
	Readmit		Costs	
	†		†	
	OR		Ln	
	(SE)		Cost	
<b><u>HOSPITAL CHARACTERISTICS</u></b>			(SE)	
<b>ED Specific</b>				
Percent ABEM Certified	0.74	**	0.24	**
	(0.05)		(0.02)	
Percent US Trained	0.94		-0.05	**
	(0.06)		(0.02)	
EM Residency	0.94		0.15	**
	(0.10)		(0.03)	
Chest Pain Acuity	0.35	**	0.57	**
	(0.02)		(0.02)	
Chest Pain Volume (2)	0.84		0.10	**
	(0.07)		(0.02)	
Chest Pain Volume (3)	0.84		0.13	**
	(0.08)		(0.02)	
Chest Pain Volume (4)	0.90		0.09	**
	(0.09)		(0.03)	
Chest Pain Volume (5)	4.05	**	-1.14	**
	(1.64)		(0.04)	
Average Years in Practice	0.97		0.03	
	(0.06)		(0.02)	
Percent Men	0.99		-0.02	
	(0.06)		(0.02)	
<b>Hospital-Wide</b>				
Cardiac Catheterization Hospital	0.90		0.19	**
	(0.08)		(0.03)	
Cardiac Intensive Care Unit Hospital	1.07		0.02	
	(0.07)		(0.02)	
Level of Technology (2)	0.69	**	0.12	**
	(0.08)		(0.03)	
Level of Technology (3)	0.73	**	0.20	**
	(0.06)		(0.02)	
Level of Technology (4)	0.61	**	0.21	**
	(0.06)		(0.03)	
Level of Technology (5)	0.67	**	0.23	**
	(0.08)		(0.04)	

Medium Bed Size	0.63	**	0.21	**
	(0.05)		(0.02)	
Large Bed Size	0.59	**	0.30	**
	(0.05)		(0.02)	
Med School Affiliation	0.77	**	0.14	**
	(0.07)		(0.03)	
Med School and Residency Affiliation	0.83		0.26	**
	(0.07)		(0.03)	
Micropolitan Area	1.17		-0.29	**
	(0.09)		(0.02)	
Small Town	1.39	**	-0.46	**
	(0.14)		(0.03)	
Rural	1.49	**	-0.54	**
	(0.22)		(0.04)	
Private Hospital	0.91		0.16	**
	(0.08)		(0.03)	
Public Hospital	1.25	**	-0.01	
	(0.09)		(0.02)	
Trauma Hospital	0.91		0.05	
	(0.06)		(0.02)	
<b><u>PATIENT CHARACTERISTICS</u></b>				
<b>Demographics</b>				
70-74 (Women)	0.92		0.00	
	(0.10)		(0.01)	
75-79 (Women)	0.99		-0.03	**
	(0.10)		(0.01)	
80-84 (Women)	0.86		-0.08	**
	(0.09)		(0.01)	
85-89 (Women)	0.84		-0.16	**
	(0.09)		(0.01)	
90-94 (Women)	0.96		-0.25	**
	(0.11)		(0.01)	
95-99 (Women)	0.73		-0.35	**
	(0.12)		(0.01)	
> 99 (Women)	0.57		-0.43	**
	(0.21)		(0.02)	
70-74 (Men)	1.01		-0.01	
	(0.14)		(0.01)	
75-79 (Men)	1.12		-0.02	
	(0.15)		(0.01)	
80-84 (Men)	1.31		-0.03	**
	(0.18)		(0.01)	

85-89 (Men)	1.39 (0.20)		-0.05 (0.01)	**
90-94 (Men)	1.23 (0.20)		-0.07 (0.01)	**
95-99 (Men)	1.49 (0.40)		-0.06 (0.02)	**
> 99 (Men)	1.87 (1.31)		-0.11 (0.05)	
Male	0.80 (0.08)		0.07 (0.01)	**
African American	1.40 (0.10)	**	-0.06 (0.01)	**
Other Race	0.98 (0.22)		-0.01 (0.02)	
Asian	0.91 (0.20)		0.04 (0.02)	**
Hispanic	1.21 (0.16)		0.00 (0.01)	
Native American	1.55 (0.40)		-0.04 (0.03)	
Socioeconomic Level	0.86 (0.05)	**	0.02 (0.00)	**
<b>Comorbidities</b>				
Congestive Heart Failure	0.42 (0.02)	**	0.18 (0.00)	**
Cardiac Arrhythmias	0.65 (0.04)	**	0.04 (0.00)	**
Valvular Heart Disease	1.29 (0.15)		-0.13 (0.01)	**
Pulm. Circulatory Disorder	1.04 (0.06)		-0.03 (0.00)	**
Peripheral Vascular Disorder	0.39 (0.02)	**	0.05 (0.00)	**
Hypertension	0.86 (0.10)		-0.05 (0.01)	**
Paralysis	0.58 (0.04)	**	-0.06 (0.00)	**
Other Neurologic Disorder	0.81 (0.04)	**	-0.03 (0.00)	**
Chronic Pulmonary Disease	0.83 (0.04)	**	-0.01 (0.00)	**
Diabetes, Uncomplicated	1.60 (0.11)	**	-0.06 (0.01)	**

Diabetes, Complicated	0.71	**	-0.01	
	(0.05)		(0.00)	
Hypothyroidism	0.78	**	-0.01	
	(0.05)		(0.00)	
Renal Failure	1.04		-0.22	**
	(0.25)		(0.02)	
Liver Disease	1.02		-0.03	**
	(0.13)		(0.01)	
Peptic Ulcer Disease	0.00		-0.11	
	(0.00)		(0.11)	
AIDS	0.66		-0.11	**
	(0.18)		(0.02)	
Lymphoma	1.04		-0.14	**
	(0.34)		(0.02)	
Metastatic Cancer	0.73	**	-0.07	**
	(0.05)		(0.00)	
Solid Tumor without Metastases	1.07		-0.02	
	(0.12)		(0.01)	
Arthritis/Collagen Vascular Disease	0.77	**	0.14	**
	(0.06)		(0.00)	
Coagulopathy	0.89		0.00	
	(0.09)		(0.01)	
Obesity	0.94		-0.09	**
	(0.12)		(0.01)	
Weight Loss	0.82	**	-0.01	**
	(0.04)		(0.00)	
Fluid, Electrolyte Disorder	1.00		1.00	
	<i>omit</i>		<i>omit</i>	
Blood Loss Anemia	1.27	**	-0.14	**
	(0.10)		(0.01)	
Deficiency Anemia	0.74		0.01	
	(0.13)		(0.01)	
Alcohol Abuse	2.68	**	-0.08	**
	(0.62)		(0.02)	
Drug Abuse	1.18		-0.07	**
	(0.14)		(0.01)	
Psychosis	1.12		-0.07	**
	(0.09)		(0.01)	
<b><u>REGIONAL CHARACTERISTICS</u></b>				
Mid Atlantic	0.59	**	0.13	**
	(0.09)		(0.05)	
South Atlantic	0.90		0.02	

	(0.12)	(0.04)		
East North Central	1.08	-0.02		
	(0.15)	(0.04)		
East South Central	1.16	0.13	**	
	(0.18)	(0.05)		
West North Central	1.09	-0.20	**	
	(0.17)	(0.05)		
West South Central	0.79	0.18	**	
	(0.12)	(0.05)		
Mountain	0.56	**	0.06	
	(0.11)	(0.05)		
Pacific	0.92	0.04		
	(0.17)	(0.06)		
Associated Areas	0.70	-0.29	**	
	(0.17)	(0.08)		
<b><u>TEMPORAL CHARACTERISTICS</u></b>				
<b>Weekday</b>				
Monday	1.03	0.00		
	(0.07)	(0.01)		
Tuesday	1.00	0.00		
	(0.07)	(0.01)		
Wednesday	1.07	0.00		
	(0.07)	(0.01)		
Thursday	1.09	0.00		
	(0.08)	(0.01)		
Friday	1.00	0.02	**	
	(0.07)	(0.01)		
Saturday	1.00	0.01		
	(0.07)	(0.01)		
<b>Season</b>				
Spring	1.06	0.01		
	(0.05)	(0.00)		
Summer	1.09	0.01	**	
	(0.06)	(0.00)		
Fall	0.94	0.05	**	
	(0.05)	(0.00)		
<b>Intercept</b>	0.19	**	7.48	0
	(0.04)	(0.05)		
† = Same day readmissions and deaths excluded				
** = Statistically Significant, p<0.01				