

Data Supplement 2
FULL REGRESSION RESULTS

	Readmit		Costs		Deflated Costs	
	AOR		Ln Cost		Ln Cost	
<u>HOSPITAL CHARACTERISTICS</u>	(SE)		(SE)		(SE)	
ED Specific						
Percent ABEM Certified	0.6	**	0.21	**	0.08	**
	-0.04		0.02		0.01	
Percent US Trained	0.92		-0.03		0.00	
	-0.06		0.02		0.01	
EM Residency	1.05		0.16	**	0.17	**
	-0.13		0.03		0.02	
Chest Pain Acuity	0.23	**	0.43	**	0.27	**
	-0.02		0.02		0.02	
Chest Pain Volume (2)	0.68	**	0.14	**	0.06	**
	-0.05		0.02		0.02	
Chest Pain Volume (3)	0.65	**	0.16	**	0.07	**
	-0.06		0.02		0.02	
Chest Pain Volume (4)	0.7	**	0.13	**	0.09	**
	-0.07		0.03		0.02	
Chest Pain Volume (5)	10.04	**	-0.39	**	-0.28	**
	-3.49		0.10		0.11	
Average Years in Practice	0.93		0.04		0.02	
	-0.05		0.02		0.01	
Percent Men	0.98		-0.02		-0.02	
	-0.06		0.01		0.01	
Hospital-Wide						
Cardiac Catheterization Hospital	0.87		0.19	**	0.21	**
	-0.08		0.03		0.02	
Cardiac Intensive Care Unit Hospital	1.05		0.04		0.05	**
	-0.08		0.02		0.02	
Level of Technology (2)	0.7	**	0.17	**	0.11	**
	-0.08		0.03		0.03	
Level of Technology (3)	0.65	**	0.23	**	0.20	**
	-0.05		0.02		0.02	
Level of Technology (4)	0.51	**	0.24	**	0.19	**
	-0.05		0.03		0.02	
Level of Technology (5)	0.61	**	0.24	**	0.23	**
	-0.08		0.03		0.03	
Medium Bed Size	0.5	**	0.23	**	0.09	**
	-0.04		0.02		0.02	

Large Bed Size	0.46	**	0.32	**	0.16	**
	-0.04		0.02		0.02	
Med School Affiliation	0.66	**	0.14	**	0.07	**
	-0.06		0.03		0.02	
Med School and Residency Affiliation	0.74	**	0.26	**	0.20	**
	-0.07		0.02		0.02	
Micropolitan Area	1.47	**	-0.28	**	-0.15	**
	-0.13		0.02		0.02	
Small Town	2.12	**	-0.44	**	-0.19	**
	-0.21		0.03		0.02	
Rural	2.61	**	-0.53	**	-0.16	**
	-0.35		0.04		0.04	
Private Hospital	0.92		0.11	**	0.09	**
	-0.08		0.02		0.02	
Public Hospital	1.32	**	0.00		0.02	
	-0.1		0.02		0.02	
Trauma Hospital	0.9		0.04		0.05	**
	-0.06		0.02		0.01	

PATIENT CHARACTERISTICS**Demographics**

70-74 (Women)	0.87		0.00		0.00	
	-0.08		0.01		0.01	
75-79 (Women)	0.85		-0.01		-0.01	
	-0.07		0.01		0.01	
80-84 (Women)	0.68	**	-0.03	**	-0.04	**
	-0.06		0.01		0.01	
85-89 (Women)	0.62	**	-0.08	**	-0.09	**
	-0.05		0.01		0.01	
90-94 (Women)	0.56	**	-0.13	**	-0.15	**
	-0.05		0.01		0.01	
95-99 (Women)	0.41	**	-0.16	**	-0.17	**
	-0.06		0.01		0.01	
> 99 (Women)	0.33	**	-0.17	**	-0.18	**
	-0.11		0.02		0.02	
70-74 (Men)	1.05		0.00		0.01	
	-0.12		0.01		0.01	
75-79 (Men)	1.2		-0.01		-0.01	
	-0.13		0.01		0.01	
80-84 (Men)	1.32		-0.02		-0.02	
	-0.15		0.01		0.01	
85-89 (Men)	1.36	**	-0.03		-0.03	**
	-0.16		0.01		0.01	

90-94 (Men)	1.3		-0.04	**	-0.04	**
	-0.18		0.01		0.01	
95-99 (Men)	1.34		-0.03		-0.03	
	-0.34		0.02		0.02	
> 99 (Men)	1.46		-0.07		-0.07	
	-1.01		0.04		0.04	
Male	0.83		0.05	**	0.05	**
	-0.07		0.01		0.01	
African American	1.26	**	-0.04	**	-0.05	**
	-0.08		0.00		0.00	
Other Race	0.91		0.01		0.01	
	-0.18		0.01		0.01	
Asian	1.05		0.02		0.02	
	-0.2		0.01		0.01	
Hispanic	1.18		0.00		0.00	
	-0.14		0.01		0.01	
Native American	1.44		-0.04		-0.03	
	-0.31		0.02		0.02	
Socioeconomic Level	0.97		0.00		0.00	
	-0.05		0.00		0.00	
Comorbidities						
Congestive Heart Failure	0.59	**	0.14	**	0.14	**
	-0.02		0.00		0.00	
Valvular Heart Disease	0.92		0.01		0.01	
Cardiac Arrhythmias	-0.04		0.00		0.00	
Pulm. Circulatory Disorder	1.09		-0.04	**	-0.04	**
	-0.1		0.01		0.01	
Peripheral Vascular Disorders	1.12		-0.04	**	-0.04	**
	-0.05		0.00		0.00	
Hypertension	0.55	**	-0.04	**	-0.04	**
	-0.02		0.00		0.00	
Paralysis	0.82		-0.02	**	-0.02	**
	-0.08		0.01		0.01	
Other Neurologic Disorder	0.62	**	-0.02	**	-0.03	**
	-0.04		0.00		0.00	
Chronic Pulmonary Disease	0.85	**	0.00		-0.01	
	-0.03		0.00		0.00	
Diabetes, Uncomplicated	0.87	**	-0.03	**	-0.03	**
	-0.03		0.00		0.00	
Diabetes, Complicated	1.3	**	-0.04	**	-0.04	**
	-0.08		0.00		0.00	
Hypothyroidism	0.82	**	-0.01	**	-0.02	**
	-0.04		0.00		0.00	

Renal Failure	0.96		-0.01		-0.01	
	-0.05		0.00		0.00	
Liver Disease	1.06		-0.08	**	-0.08	**
	-0.2		0.01		0.01	
Peptic Ulcer Disease	0.98		-0.03	**	-0.03	**
	-0.1		0.01		0.01	
AIDS	0		-0.02		-0.02	
	0		0.08		0.08	
Lymphoma	0.82		-0.04	**	-0.04	**
	-0.17		0.01		0.01	
Metastatic Cancer	1.2		-0.04		-0.04	
	-0.29		0.02		0.02	
Solid Tumor without Metastases	0.82	**	-0.03	**	-0.03	**
	-0.04		0.00		0.00	
Arthritis/Collagen Vascular Disease	0.99		-0.02	**	-0.02	**
	-0.1		0.01		0.01	
Coagulopathy	0.96		0.15	**	0.15	**
	-0.06		0.00		0.00	
Obesity	0.97		0.00		0.00	
	-0.07		0.01		0.01	
Weight Loss	0.86		0.04	**	0.04	**
	-0.09		0.01		0.01	
Fluid, Electrolyte Disorder	0.83	**	0.03	**	0.02	**
	-0.03		0.00		0.00	
Blood Loss Anemia	<i>(omitted)</i>		<i>(omitted)</i>		<i>(omitted)</i>	
Deficiency Anemia	1.07		-0.13	**	-0.13	**
	-0.07		0.00		0.00	
Alcohol Abuse	0.84		0.01		0.01	
	-0.11		0.01		0.01	
Drug Abuse	2.01	**	-0.08	**	-0.08	**
	-0.43		0.02		0.02	
Psychosis	1.02		-0.03	**	-0.04	**
	-0.1		0.01		0.01	
Depression	1.05		-0.04	**	-0.04	**
	-0.07		0.00		0.00	
<u>REGIONAL CHARACTERISTICS</u>						
Mid Atlantic	0.45	**	0.06		0.08	
	-0.07		0.04		0.03	
South Atlantic	0.66		-0.04		0.07	
	-0.1		0.04		0.03	
East North Central	0.96		-0.04		0.10	**

	-0.14		0.04		0.03	
East South Central	0.85		0.05		0.19	**
	-0.14		0.05		0.04	
West North Central	1.24		-0.20	**	0.08	
	-0.2		0.05		0.04	
West South Central	0.63	**	0.11	**	0.21	**
	-0.1		0.04		0.03	
Mountain	0.43	**	0.15	**	0.18	**
	-0.09		0.05		0.04	
Pacific	0.98		0.03		0.07	
	-0.2		0.05		0.04	
Associated Areas	0.35	**	-0.33	**	0.18	
	-0.09		0.08		0.06	
<u>TEMPORAL CHARACTERISTICS</u>						
Weekday						
Monday	0.96		0.01		0.01	
	-0.06		0.00		0.00	
Tuesday	0.93		0.01		0.01	
	-0.06		0.00		0.00	
Wednesday	1		0.01		0.01	
	-0.06		0.00		0.00	
Thursday	1		0.02	**	0.02	**
	-0.06		0.00		0.00	
Friday	0.95		0.04	**	0.03	**
	-0.06		0.00		0.00	
Saturday	1.03		0.02	**	0.02	**
	-0.06		0.00		0.00	
Season						
Spring	1		0.00		0.00	
	-0.04		0.00		0.00	
Summer	1.08		0.01		0.01	**
	-0.05		0.00		0.00	
Fall	0.97		0.04	**	0.04	**
	-0.04		0.00		0.00	
Intercept						
	0.53	**	7.71	**	8.03	**
	-0.11		0.05		0.04	

** = Statistically Significant, p<0.01