

Web Appendix

Table A1: Summary Statistics by Quartile of Spending Intensity (More Variables)

Patient Group:		Local Floridians				Visitors			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Area-level									
Intensity Proxy:	Mean log(costs) mortality	8.90	9.12 *	9.31 *	9.57 *	8.89	9.11 *	9.31 *	9.56 *
Outcome	Mortality	0.058	0.061	0.052 *	0.055	0.070	0.064	0.048 *	0.049 *
Personal	P(Mortality X)	0.061	0.058	0.055 *	0.054 *	0.061	0.058 *	0.054 *	0.054 *
Characteristics	Male	0.526	0.518	0.521	0.511	0.624	0.605	0.630	0.634
	Age	73.5	72.4	71.3 *	70.4 *	72.5	71.2	70.1	67.0 *
Race	African American	0.054	0.095 *	0.103 *	0.180 *	0.015	0.035 *	0.028	0.084 *
	Hispanic	0.019	0.034	0.123	0.255 *	0.007	0.019	0.021	0.123 *
	White	0.913	0.849 *	0.755	0.535 *	0.966	0.925 *	0.938	0.745 *
ZIP Code of	Median Household Income	36825	38531	38792	38123	47357	46572	49994	45527
Residence	Percent White	0.864	0.813 *	0.801 *	0.682 *	0.874	0.838 *	0.852	0.785 *
Characteristics	Percent African American	0.079	0.126 *	0.128 *	0.228 *	0.064	0.091 *	0.077	0.117 *
	Percent Hispanic	0.080	0.082	0.174	0.315 *	0.043	0.053	0.053	0.091 *
	Percent >65 years old	0.273	0.221 *	0.190 *	0.151 *	0.140	0.143	0.141	0.135
	Percent No HS Degree	0.198	0.188	0.226	0.260	0.161	0.173	0.158	0.186 *
	Percent HS Degree	0.332	0.302 *	0.291 *	0.261 *	0.317	0.305	0.295 *	0.290 *
	Percent Some College	0.287	0.296	0.278	0.265	0.266	0.262	0.262	0.253 *
	Percent College Degree	0.118	0.138	0.132	0.134	0.159	0.161	0.175	0.165
	Percent Post College	0.065	0.076	0.074	0.081 *	0.097	0.100	0.110	0.106
	Median Rent	534	551	554	599	515	519	553	538
	Percent Rural	0.151	0.090	0.140	0.028 *	0.304	0.302	0.244	0.235
	Missing ZIP Code Information	0.037	0.020 *	0.032	0.010 *	0.115	0.127	0.129	0.258 *
Payer	Medicare	0.652	0.616	0.577	0.439 *	0.672	0.627	0.606	0.441 *
Categories	Medicare HMO	0.126	0.124	0.111	0.186	0.053	0.043	0.045	0.045
	Medicaid	0.026	0.035	0.052 *	0.070 *	0.006	0.012 *	0.009	0.022 *
	Private Insurance	0.148	0.172 *	0.198 *	0.227 *	0.220	0.263 *	0.297 *	0.351 *
	Other insurance	0.017	0.021	0.018	0.011	0.008	0.015 *	0.009	0.018
	Uninsured	0.031	0.032	0.044 *	0.067 *	0.043	0.043	0.036	0.125 *
Comorbidities	No Comorbidities	0.313	0.319	0.330 *	0.355 *	0.386	0.380	0.413	0.439 *
	AMI	0.133	0.117	0.109 *	0.095 *	0.144	0.132	0.135	0.100 *
	Congestive Heart Failure	0.174	0.162	0.147 *	0.142 *	0.170	0.161	0.149 *	0.165
	C.O.P.D.	0.288	0.285	0.287	0.246 *	0.212	0.216	0.201	0.175 *
	Diabetes	0.237	0.240	0.252	0.263 *	0.200	0.213	0.198	0.211
	Other Comorbidities	0.087	0.092 *	0.086	0.086	0.072	0.086 *	0.072	0.070
Timing	1st Quarter	0.286	0.278	0.270 *	0.266 *	0.522	0.458	0.498	0.399 *
	2nd Quarter	0.236	0.236	0.239	0.244 *	0.196	0.212 *	0.210	0.220
	3rd Quarter	0.219	0.224	0.226	0.235 *	0.091	0.128 *	0.101	0.157 *
	4th Quarter	0.258	0.261	0.264	0.254	0.191	0.202	0.192	0.223 *
	Weekend	0.281	0.277	0.272 *	0.266 *	0.286	0.283	0.281	0.293
Area	Per-diem in January	111	119	119	127 *	109	118	124	127 *
Prices	Per-diem in July	99	107	105	115 *	96	106 *	102	116 *
Patient-level	Hospital costs	7879	9022 *	9256 *	11648 *	8729	9598	10131	14614 *
treatment	log(Hospital costs)	8.61	8.75 *	8.78 *	8.92 *	8.70	8.79	8.84 *	9.12 *
	Observations	169575	216209	144681	219297	8436	10149	9655	8945

*=significantly different from bottom quartile at the 5% level, computed using standard errors clustered at the Health Service Area level. ZIP code characteristics reported for those with ZIP code information.

Table A2: American Travel Survey:
 Characteristics of Visitors Across Cities, by Quartile of Spending Intensity

		All ages				Age >= 45			
Metropolitan Area Spending Intensity Quartile:		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Individual:	White	0.904	0.883	0.811	0.893	0.938	0.902	0.880	0.922
	Black	0.069	0.060	0.087	0.062	0.044	0.037	0.072	0.049
	Other race	0.027	0.057	0.102	0.045	0.018	0.061	0.048	0.029
	Hispanic	0.047	0.052	0.090	0.046	0.027	0.042	0.039	0.042
	Age	37.8	38.2	38.0	39.5	57.0	57.4	58.4	57.1
	Age >= 65	0.079	0.086	0.110	0.096	0.205	0.210	0.277	0.215
	Male	0.529	0.543	0.540	0.538	0.552	0.555	0.552	0.552
	Married	0.578	0.580	0.555	0.583	0.780	0.773	0.747	0.803
Origin:	Midwest	0.156	0.139	0.126	0.149	0.167	0.135	0.097	0.164
	Northeast	0.195	0.265	0.205	0.232	0.196	0.261	0.212	0.233
	South	0.621	0.557	0.638	0.551	0.601	0.571	0.659	0.525
	West	0.028	0.040	0.031	0.068	0.036	0.033	0.032	0.078
Reason	Vacation	0.511	0.538	0.555	0.509	0.487	0.437	0.446	0.481
	Business	0.193	0.208	0.162	0.184	0.194	0.277	0.215	0.224
Household:	Size = 1	0.097	0.105	0.096	0.091	0.156	0.184	0.158	0.119
	Size = 2	0.359	0.287	0.310	0.307	0.505	0.433	0.506	0.481
	Size >2	0.543	0.608	0.594	0.602	0.338	0.383	0.337	0.401
	Income <30K	0.193	0.239	0.263	0.246	0.237	0.232	0.272	0.229
	Income >30K <50K	0.306	0.267	0.315	0.307	0.331	0.296	0.343	0.333
	Income >50K <75K	0.223	0.288	0.227	0.245	0.246	0.266	0.222	0.250
	Income >75K	0.277	0.206	0.196	0.202	0.186	0.207	0.162	0.188
	# of Vehicles	2.00	1.94	2.04	2.11	2.21	1.98	1.87	2.05
	Married w/ children	0.385	0.405	0.399	0.404	0.150	0.106	0.130	0.168
Household:	Less than HS	0.237	0.223	0.261	0.204	0.097	0.078	0.139	0.065
Head Education:	HS degree	0.193	0.206	0.189	0.203	0.280	0.254	0.266	0.256
	Some college	0.264	0.255	0.256	0.262	0.273	0.300	0.293	0.331
	College degree	0.184	0.186	0.199	0.221	0.209	0.185	0.208	0.196
	Graduate degree	0.123	0.131	0.096	0.110	0.141	0.183	0.094	0.151
Work:	Retired	0.083	0.078	0.095	0.099	0.213	0.189	0.235	0.220
	Full time	0.531	0.547	0.479	0.541	0.602	0.560	0.512	0.583
	Part time	0.047	0.075	0.090	0.061	0.064	0.109	0.130	0.062
	Homemaker	0.105	0.073	0.075	0.078	0.100	0.115	0.092	0.117
	Home owner	0.745	0.721	0.709	0.770	0.867	0.854	0.832	0.892
	Person-trip Obs (raw)	2650	4637	3484	6633	1108	1964	1483	2897
	Person-trip Obs (weighted)	4858947	8684969	6521168	12683341	1880772	3555479	2589725	5662312
	Number of Metro Areas	3	4	4	2	3	4	4	2

Data represent 13 metropolitan areas available in the 1995 American Travel Survey (ATS). Each cell represents a weighted average of the traveller's characteristic, using the person-trip weights provided in the ATS. To categorize these metropolitan areas, the quartiles are based on the end-of-life spending measure calculated at the metropolitan-area level. Q1 is Sarasota, Pensacola, and Fort Myers; Q2 is Tampa, Melbourne, West Palm Beach, and Tallahassee; Q3 is Daytona, Jacksonville, Fort Luderdale, and Lakeland; Q4 is Orlando and Miami.

Table A3: Reduced-Form Estimates (Selected Covariates)

Dependent Variable: Mortality		Coeff.	S.E.
Local Area	Local area: mean log(costs) mortality	-0.028	(0.0082)
Age Indicators (60 years old excluded)	Age<=20	0.054	(0.033)
	Age>20 & Age<30	-0.013	(0.018)
	Age = 35	-0.036	(0.012)
	Age = 45	-0.004	(0.019)
	Age = 55	-0.027	(0.013)
	Age = 65	-0.013	(0.015)
	Age = 75	0.010	(0.019)
	Age = 85	0.039	(0.018)
	Age = 95	0.033	(0.044)
	Age >= 100	0.061	(0.087)
Race	African American	0.007	(0.008)
	White	0.011	(0.008)
Sex	Male	-0.003	(0.003)
Time of Year	1st quarter	-0.010	(0.003)
	2nd quarter	0.007	(0.004)
	3rd quarter	0.002	(0.005)
Day of Week (Monday excluded)	Friday	-0.005	(0.005)
	Saturday	-0.002	(0.005)
	Sunday	-0.000	(0.004)
Primary Payer (uninsured excluded)	Medicare fee for service	-0.015	(0.006)
	Medicare HMO	-0.010	(0.009)
	Medicaid	-0.013	(0.012)
	Commercial Insurance	-0.026	(0.004)
	Other insurance	-0.009	(0.011)
Comorbidities (no comorbidities excluded)	Prior AMI	0.008	(0.004)
	Congestive Heart Failure	0.073	(0.006)
	Chronic Obstructive Pulmonary Disease	0.006	(0.003)
	Diabetes	-0.001	(0.003)
	Other Comorbidities	0.026	(0.005)
Primary Diagnosis	AMI	0.040	(0.004)
	Cardiac dysrhythmias	-0.010	(0.003)
	Heart failure	0.000	(0.000)
ZIP Code of Residence Characteristics (College omitted)	Median income<30,000 (compared to >80,000)	-0.005	(0.012)
	Fraction with Less than HS Degree	-0.006	(0.037)
	Fraction with HS Degree only	0.026	(0.044)
	Fraction with some college	0.029	(0.050)
	Fraction with post-college	0.003	(0.058)
	Fraction White	-0.007	(0.035)
	Fraction African American	-0.030	(0.032)
	Fraction Hispanic	-0.020	(0.029)
	Percent over the age of 65	-0.082	(0.025)
	Percent Rural	-0.007	(0.005)
	Median Rent	5.65e-07	1.48e-05
	Missing ZIP code information (includes missing state information)	-0.010	(0.007)
	Area Prices	Per Diem June	0.0003
Per Diem January		-0.0003	(0.0001)
Year	Year = 1997	-0.005	(0.005)
	Year = 1998	-0.010	(0.006)
	Year = 1999	-0.009	(0.005)
	Year = 2000	-0.002	(0.005)
	Year = 2001	-0.007	(0.005)
	Year = 2002	-0.005	(0.005)
	Year = 2003	-0.013	(0.006)
	Observations	37185	
	Mean of Dep. Variable	0.058	

The model is from Table 2B, Column (6). It is estimated by OLS and the standard errors are clustered at the Health Service Area level. Models include indicators for each age, day of the week, 5-year age indicators interacted with the white indicator, as well.

Table A4: Heart-Related Emergency Results Across Patient Types

Dependent Variable: Mortality

A. Race & Sex	Race		Sex	
	African Amer. (1)	Hispanic (2)	Male (3)	Female (4)
Local area: mean log(costs) mortality	-0.033 (0.028)	0.002 (0.028)	-0.030 (0.009)	-0.037 (0.014)
Observations	1487	1588	23136	14049
Mean of Dep. Var.	0.048	0.050	0.054	0.064

B. Insurance Status	Private (5)	Public (6)	Uninsured (7)
	Local area: mean log(costs) mortality	-0.012 (0.008)	-0.033 (0.012)
Observations	10966	23979	2240
Mean of Dep. Var.	0.036	0.067	0.061

C. Home Region	Census Region				Exclude Missing State/ZIP (12)
	Northeast (8)	Midwest (9)	West (10)	South (11)	
local area: mean log(charges) mortality	-0.043 (0.011)	-0.021 (0.015)	-0.035 (0.033)	-0.035 (0.011)	-0.035 (0.010)
Observations	11869	9278	1403	8380	31388
Mean of Dep. Var.	0.062	0.053	0.073	0.057	0.059

D. Models with Destination Controls	2000 Census County Controls (13)	1995 Amer. Travel Survey Controls (14)
	Local area: mean log(costs) mortality	-0.031 (0.010)
Observations	37185	29184
Mean of Dep. Var.	0.058	0.058

Each cell represents a separate regression with full controls. The models are estimated by OLS and the standard errors are clustered at the Health Service Area level. Business destinations include the cities where the fraction of visitors whose reason for travel is business in the 1995 American Travel Survey is greater than the median city. Uninsured is defined as charity care, self pay, or less than 30% coverage.

Table A5: Results for Frequent Diagnoses & Across Illness Severity Levels

Dependent Variable: Mortality		Local area: mean			
	3-Digit ICD9-CM Diagnosis Codes	Mortality Rate	log(costs) mortality Coeff.	S.E.	Obs.
Top 10 Most Frequent Emergency Diagnoses	410 Acute myocardial infarction	0.089	-0.033	(0.013)**	15069
	414 Other chronic ischemic heart disease	0.007	0.0020	(0.0029)	11970
	427 Cardiac dysrhythmias	0.030	-0.033	(0.011)***	9832
	428 Heart failure	0.042	-0.029	(0.011)**	12284
	434 Occlusion of cerebral arteries (stroke)	0.063	-0.029	(0.016)*	6409
	486 Pneumonia	0.040	-0.008	(0.011)	11207
	491 Chronic bronchitis	0.028	-0.005	(0.011)	6123
	780 General symptoms	0.003	0.0033	(0.0027)	9008
	786 Symptoms involving respiratory system and other chest symptoms	0.001	-0.001	(0.0014)	13792
	820 Fracture of neck of femur (hip fracture)	0.024	-0.012	(0.012)	5297
Pooled Diagnoses	All Emergency admissions	0.039	-0.010	(0.0049)**	272772

Each row represents a separate regression with full controls, as in column (6) of Table 2. The models are estimated by OLS and the standard errors are clustered at the Health Service Area level. Each sub-sample is restricted to patients from states with at least 5 observations. *=10%; **=5%; ***=1%.

Table A6: (Selected) Visitor Characteristics: HSA Subsamples

A. Major League Baseball Spring Training Counties in First Quarter

Variable		Low-Spending HSA		High-Spending HSA	
		Mean	Std Dev	Mean	Std Dev
Local-area level:					
Treatment	Mean log(costs) mortality	8.96	0.11	9.30	0.15
Personal Characteristics	Male	0.64	0.48	0.63	0.48
	Age	72.8	10.4	71.9	11.4
Race	White	0.98	0.14	0.94	0.24
Comorbidities	No Comorbidities	0.40	0.49	0.41	0.49
Area Prices	Per-diem in January	115.00	12.20	115.89	9.21
	Observations	4293		4318	

B. Excluding Top 30% Most Costly HSAs

Variable		Low-Spending HSA		High-Spending HSA	
		Mean	Std Dev	Mean	Std Dev
Local-area level:					
Treatment	Mean log(costs) mortality	8.95	0.11	9.23	0.08
Personal Characteristics	Male	0.62	0.49	0.62	0.49
	Age	71.9	11.7	71.5	12.1
Race	White	0.96	0.21	0.93	0.25
Comorbidities	No Comorbidities	0.38	0.49	0.40	0.49
Area Prices	Per-diem in January	103.76	17.77	113.55	16.27
	Observations	12862		13498	

High- and low-spending areas are defined by the median of the local-area treatment measure: mean log costs conditional on mortality for the HSA.

Table A7: Robustness

Dependent Variable: Mortality

	Probit (marginal effect)	ZIP Code Fixed Effects	Local Area measure quartiles	Spending: Bottom 3 Quartiles	Measure:		
					median log(costs) mortality	mean log(costs) unconditional	heart-related emergencies: mean log (costs) mortality
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Patient or Local-Area cost measure	-0.029 (0.009)	-0.022 (0.010)		-0.031 (0.013)	-0.033 (0.009)	-0.027 (0.014)	-0.022 (0.0092)
Mean log(costs) mortality: 2nd quartile			-0.008 (0.007)				
Mean log(costs) mortality: 3rd quartile			-0.017 (0.007)				
Mean log(costs) mortality: Top quartile			-0.018 (0.007)				
Number of HSAs	97	97	97	83	97	97	97
Observations	36985	27356	37185	28240	37185	37185	37185
Mean of Dep. Var.	0.058	0.059	0.058	0.061	0.058	0.058	0.058

Each column represents a separate regression with full controls. Standard Errors are clustered at the Health Service Area level. All models are estimated using OLS, except column 1 that reports the estimated marginal effect on patient costs from a probit model. The number of observations is slightly smaller in the probit model due to the exclusion of cells with zero deaths. Column (5) uses the local-area measure calculated as the median of log(costs) for patients who died in the hospital, whereas column (6) uses the mean costs of all local emergency patients, whether or not they died in the hospital. Column (7) calculates the end-of-life cost measure for local patients with heart-related emergencies.

Table A8: Robustness to Local Area Definitions

<u>Local Area</u>	<u>Treatment Intensity Measure</u>	<u>(#)</u>	<u>(Std. Dev.)</u>	<u>Mortality model</u>	<u>Obs.</u>
Health Service Area & Dartmouth Atlas Measure	Inpatient hospitalization reimbursements (in thousands) per decedent: Last hospitalization	73	3.979 (1.23)	-0.006 (0.002)	34661
ATS Metropolitan Area	mean log(Costs) mortality:	14	9.24 (0.200)	-0.036 (0.009)	37185
Hospital	mean log(Costs) mortality:	189	9.20 (0.263)	-0.023 (0.008)	37185
	Teaching Hospital	189	0.073 (0.260)	-0.013 (0.006)	37185

Each row represents a separate regression with full controls. The models are estimated by OLS and the standard errors are clustered at the respective area

Table A9: Hospital Charge Categories

A. Visitors

	AMI Patients				Heart Patients			
	Coefficient on EOL Costs	S.E.	Obs.	Mean of Dep. Var.	Coefficient on EOL Costs	S.E.	Obs.	Mean of Dep. Var.
Room	303	(201)	15069	451	287	(194)	37185	510
ICU	1,046	(370)**	15069	1220	785	(275)**	37185	902
CCU	1,193	(414)**	15069	872	713	(239)**	37185	569
Pharmacy	1,714	(433)**	15069	2656	1,073	(215)**	37185	1691
Medical Devices	2,312	(1,010)*	15069	2496	1,521	(603)*	37185	1784
Laboratory	1,391	(283)**	15069	1999	1,047	(223)**	37185	1630
Radiology	264	(71)**	15069	339	194	(42)**	37185	287
Nuclear Medicine	51	(24)*	15069	106	92	(36)*	37185	152
CT Scan	98	(17)**	15069	154	88	(15)**	37185	158
Operating Room	400	(276)	15069	699	257	(143)	37185	390
Anesthesia	121	(84)	15069	141	70	(43)	37185	77
Respiratory Svcs.	1,001	(161)**	15069	504	633	(85)**	37185	345
Physical Therapy	48	(10)**	15069	40	30	(6)**	37185	37
Emergency Room	153	(46)**	15069	331	152	(44)**	37185	308
Cardiology	461	(823)	15069	3048	462	(412)	37185	1705
Recovery Room	77	(54)	15069	35	49	(28)	37185	29
Other	1,016	(193)**	15069	1308	624	(120)**	37185	945
log(Total)	0.608	(0.198)**	15069	9.287	0.553	(0.104)**	37185	8.862
log(ICU & CCU)	0.842	(0.249)**	13313	7.291	0.705	(0.194)**	27160	7.117
log(Diagnostic)	0.651	(0.145)**	15065	7.436	0.575	(0.128)**	37168	7.271
log(Surgical)	0.384	(0.327)	13441	7.641	0.415	(0.187)*	30096	7.051
log(other)	0.690	(0.199)**	15068	8.466	0.572	(0.111)**	37184	8.073

B. Local Floridians

	AMI Patients				Heart Patients			
	Coefficient on EOL Costs	S.E.	Obs.	Mean of Dep. Var.	Coefficient on EOL Costs	S.E.	Obs.	Mean of Dep. Var.
Room	220	(143)	238926	413	306	(166)	749762	508
ICU	1,246	(331)**	238926	1146	827	(249)**	749762	827
CCU	678	(265)*	238926	775	393	(158)*	749762	520
Pharmacy	1,305	(347)**	238926	2134	680	(168)**	749762	1345
Medical Devices	1,636	(679)*	238926	1885	1,051	(346)**	749762	1334
Laboratory	1,206	(250)**	238926	1872	842	(200)**	749762	1510
Radiology	136	(58)*	238926	312	103	(37)**	749762	270
Nuclear Medicine	47	(15)**	238926	97	59	(20)**	749762	124
CT Scan	106	(20)**	238926	163	97	(18)**	749762	157
Operating Room	202	(190)	238926	494	117	(82)	749762	263
Anesthesia	75	(48)	238926	97	41	(23)	749762	52
Respiratory Svcs.	771	(120)**	238926	414	476	(66)**	749762	305
Physical Therapy	42	(15)**	238926	51	27	(12)*	749762	49
Emergency Room	162	(47)**	238926	300	161	(44)**	749762	280
Cardiology	157	(967)	238926	2361	194	(381)	749762	1139
Recovery Room	30	(30)	238926	26	20	(14)	749762	24
Other	855	(183)**	238926	1167	546	(109)**	749762	834
log(Total)	0.579	(0.155)**	238926	9.184	0.540	(0.067)**	749762	8.773
log(ICU & CCU)	0.864	(0.152)**	209447	7.294	0.756	(0.117)**	534388	7.127
log(Diagnostic)	0.574	(0.116)**	238844	7.472	0.482	(0.107)**	749352	7.292
log(Surgical)	0.265	(0.361)	200591	7.420	0.283	(0.195)	524508	6.862
log(other)	0.673	(0.138)**	238925	8.346	0.586	(0.086)**	749754	7.988

All models include full controls and average at least \$20 in costs. Costs are measured by charges deflated by a cost-to-charge ratio at the hospital x year level and expressed in 2003 dollars.

Table A10: Selection Models

Dependent Variable: Mortality				
	Patient Group: Local Floridians		Visitors	
	(1)	(2)	(3)	(4)
County: mean log(costs) mortality	-0.0062 (0.0058)	-0.012 (0.0071)	-0.025 (0.0090)	-0.027 (0.012)
Control function	No	Yes	No	Yes
Number of Counties	29		29	
Observations	704780		34958	
Mean of Dep. Var.	0.058		0.058	

Each column represents a separate regression, and all models include full patient controls. Standard Errors are clustered at the county level. The control function is a fourth-ordered polynomial in the number of heart-disease related deaths that occur outside of the hospital in any given county-year, as well as the county population from the 2000 census.

Table A9: Hospital Charge Categories

A. Visitors

	AMI Patients				Heart Patients			
	Coefficient on EOL Costs	S.E.	Obs.	Mean of Dep. Var.	Coefficient on EOL Costs	S.E.	Obs.	Mean of Dep. Var.
Room	303	(201)	15069	451	287	(194)	37185	510
ICU	1,046	(370)**	15069	1220	785	(275)**	37185	902
CCU	1,193	(414)**	15069	872	713	(239)**	37185	569
Pharmacy	1,714	(433)**	15069	2656	1,073	(215)**	37185	1691
Medical Devices	2,312	(1,010)*	15069	2496	1,521	(603)*	37185	1784
Laboratory	1,391	(283)**	15069	1999	1,047	(223)**	37185	1630
Radiology	264	(71)**	15069	339	194	(42)**	37185	287
Nuclear Medicine	51	(24)*	15069	106	92	(36)*	37185	152
CT Scan	98	(17)**	15069	154	88	(15)**	37185	158
Operating Room	400	(276)	15069	699	257	(143)	37185	390
Anesthesia	121	(84)	15069	141	70	(43)	37185	77
Respiratory Svcs.	1,001	(161)**	15069	504	633	(85)**	37185	345
Physical Therapy	48	(10)**	15069	40	30	(6)**	37185	37
Emergency Room	153	(46)**	15069	331	152	(44)**	37185	308
Cardiology	461	(823)	15069	3048	462	(412)	37185	1705
Recovery Room	77	(54)	15069	35	49	(28)	37185	29
Other	1,016	(193)**	15069	1308	624	(120)**	37185	945
log(Total)	0.608	(0.198)**	15069	9.287	0.553	(0.104)**	37185	8.862
log(ICU & CCU)	0.842	(0.249)**	13313	7.291	0.705	(0.194)**	27160	7.117
log(Diagnostic)	0.651	(0.145)**	15065	7.436	0.575	(0.128)**	37168	7.271
log(Surgical)	0.384	(0.327)	13441	7.641	0.415	(0.187)*	30096	7.051
log(other)	0.690	(0.199)**	15068	8.466	0.572	(0.111)**	37184	8.073

B. Local Floridians

	AMI Patients				Heart Patients			
	Coefficient on EOL Costs	S.E.	Obs.	Mean of Dep. Var.	Coefficient on EOL Costs	S.E.	Obs.	Mean of Dep. Var.
Room	220	(143)	238926	413	306	(166)	749762	508
ICU	1,246	(331)**	238926	1146	827	(249)**	749762	827
CCU	678	(265)*	238926	775	393	(158)*	749762	520
Pharmacy	1,305	(347)**	238926	2134	680	(168)**	749762	1345
Medical Devices	1,636	(679)*	238926	1885	1,051	(346)**	749762	1334
Laboratory	1,206	(250)**	238926	1872	842	(200)**	749762	1510
Radiology	136	(58)*	238926	312	103	(37)**	749762	270
Nuclear Medicine	47	(15)**	238926	97	59	(20)**	749762	124
CT Scan	106	(20)**	238926	163	97	(18)**	749762	157
Operating Room	202	(190)	238926	494	117	(82)	749762	263
Anesthesia	75	(48)	238926	97	41	(23)	749762	52
Respiratory Svcs.	771	(120)**	238926	414	476	(66)**	749762	305
Physical Therapy	42	(15)**	238926	51	27	(12)*	749762	49
Emergency Room	162	(47)**	238926	300	161	(44)**	749762	280
Cardiology	157	(967)	238926	2361	194	(381)	749762	1139
Recovery Room	30	(30)	238926	26	20	(14)	749762	24
Other	855	(183)**	238926	1167	546	(109)**	749762	834
log(Total)	0.579	(0.155)**	238926	9.184	0.540	(0.067)**	749762	8.773
log(ICU & CCU)	0.864	(0.152)**	209447	7.294	0.756	(0.117)**	534388	7.127
log(Diagnostic)	0.574	(0.116)**	238844	7.472	0.482	(0.107)**	749352	7.292
log(Surgical)	0.265	(0.361)	200591	7.420	0.283	(0.195)	524508	6.862
log(other)	0.673	(0.138)**	238925	8.346	0.586	(0.086)**	749754	7.988

All models include full controls and average at least \$20 in costs. Costs are measured by charges deflated by a cost-to-charge ratio at the hospital x year level and expressed in 2003 dollars.

Table A10: Selection Models

Dependent Variable: Mortality				
	Patient Group: Local Floridians		Visitors	
	(1)	(2)	(3)	(4)
County: mean log(costs) mortality	-0.0062 (0.0058)	-0.012 (0.0071)	-0.025 (0.0090)	-0.027 (0.012)
Control function	No	Yes	No	Yes
Number of Counties	29		29	
Observations	704780		34958	
Mean of Dep. Var.	0.058		0.058	

Each column represents a separate regression, and all models include full patient controls. Standard Errors are clustered at the county level. The control function is a fourth-ordered polynomial in the number of heart-disease related deaths that occur outside of the hospital in any given county-year, as well as the county population from the 2000 census.