

Table 1: National Estimates of Discharges with GERD in 1998 and 2005

	Primary GERD Diagnosis			Any GERD Diagnosis		
	1998	2005	Percent Change	1998	2005	Percent Change
<i>Number of GERD Discharges</i>	90,678	95,016	4.8%*	995,402	3,141,965	216%*
<i>Number of GERD Discharges Per 100,000 persons</i>	33.6	32.1	-4.5%*	369	1,060	187%*
<i>By Age</i>						
<=1	11,030 (12%)	15,627 (16%)	42%*	46,782 (5%)	94,163 (3%)	101%*
2-17	1,788 (2%)	3,288 (3%)	84%*	9,525 (1%)	34,282 (1%)	260%*
18-34	5,990 (7%)	5,060 (5%)	-16%*	40,372 (4%)	150,457 (5%)	273%*
35-44	12,282 (14%)	10,541 (11%)	-14%*	84,620 (9%)	268,816 (9%)	218%*
45-54	16,354 (18%)	16,877 (18%)	3%	131,382 (13%)	469,676 (15%)	257%*
55-64	13,809 (15%)	15,676 (17%)	14%	152,326 (15%)	561,089 (18%)	268%*
>=65	29,348 (32%)	27,734 (29%)	-6%*	529,775 (53%)	1,562,833 (50%)	195%*
<i>By Sex</i>						
Female	52,900 (58%)	55,444 (59%)	5%	609,438 (61%)	1,938,836 (62%)	218%*
Male	37,772 (42%)	39,024 (41%)	3%	385,861 (39%)	1,201,690 (38%)	211%*
<i>By Hospital Region (per 100,000 persons)</i>						
Northeast	30.4	30.9	2%	375.3	1158.6	209%*
Midwest	33.1	32.0	-3%*	375.5	1214.9	224%*
South	40.9	36.7	-10%*	437.0	1131.7	159%*
West	24.8	25.5	3%*	244.0	718.0	194%*
<i>By Household Income</i>						
Below Median Income	39,462 (44%)	51,832 (55%)	31%*	428,357 (43%)	1,698,918 (54%)	297%*
Above Median Income	51,216 (56%)	43,183 (45%)	-16%*	567,045 (57%)	1,443,047 (46%)	154%*
<i>Mean Cost per Discharge</i>	\$5,616	6,545	17%*	8,486	10,457	23%*
<i>Total Hospital Costs (millions)</i>	\$509	622	22%*	8,447	32,856	289%*

Notes: Median household income in 1998 (2005) was \$37,000 (\$46,000). Costs and income are in 2005 dollars. Percentages in parentheses are the within-group distribution.

*Statistically different from zero at the 95% level.

Table 2: Primary GERD Diagnoses with Secondary Symptoms in 1998 and 2005

	1998	2005	Percent Change
<i>Primary GERD with Symptoms</i>	20,543 (23%)	29,287 (31%)	43%*
Nonspecific Chest Pain	9,338 (45.5%)	14,705 (50.2%)	57%*
Coughing	266 (1.3%)	411 (1.4%)	55%
Hoarseness/Laryngitis	76 (0.4%)	222 (0.8%)	192%
Asthma	5,056 (24.6%)	7,437 (25.4%)	47%
Heartburn	171 (0.8%)	214 (0.7%)	25%
Dyspepsia	1,071 (5.2%)	1,280 (4.4%)	20%
Dysphagia ^a	1,206 (5.9%)	2,113 (7.2%)	75%
Vomiting ^a	743 (3.6%)	997 (3.4%)	34%
Anemia ^a	3,486 (17.0%)	4,690 (16.0%)	35%
Hematemesis ^a	556 (2.7%)	488 (1.7%)	-12%
Melena ^a	308 (1.5%)	275 (0.9%)	-11%
Weight Loss ^a	255 (1.2%)	611 (2.1%)	140%
<i>Primary GERD with any Alarm Symptom</i>	6,218 (6.9%)	8,635 (9.1%)	39%*
<i>Primary GERD with ER admission</i>	51,365 (57%)	65,730 (69%)	28%*

Notes: ^aAlarm symptoms. These alarm symptoms warrant further clinical exploration to find any of the esophageal disorders listed in Table 3. Percentages in parentheses are the within-group distribution. Note that the distribution percentages for specific symptoms may add up to more than 100% since a patient may have more than one symptom.

*Statistically different from zero at the 95% level.

Table 3: Esophageal Disorders in 1998 and 2005

	1998	2005	Percent Change
Esophageal Disorders without GERD ^a	451,089 (87%)	513,394 (79%)	14%**
Esophageal Disorders with GERD ^a	65,806 (13%)	133,391 (21%)	103%**
<i>Total Esophageal Disorders</i>	516,895	646,785	25%**
<i>Specific Esophageal Disorders with GERD^a</i>			
Dysphagia	14,058 (21%)	51,123 (38%)	264%**
Esophagitis	18,181 (28%)	35,183 (26%)	94%
Esophageal Ulcer	22,098 (34%)	10,057 (8%)	-54%**
Esophageal Stricture	16,139 (25%)	21,117 (16%)	31%**
Barrett's Esophagus	--	24,942 (19%)	--
Other Disorders of Esophagus	2,810 (4%)	4,551 (3%)	62%*
Esophageal Adenocarcinoma	615 (1%)	1,816 (1%)	195%*
Cancer of the Esophagus	190 (0.3%)	286 (0.2%)	51%

Notes: ^aAny primary or secondary GERD diagnosis. Note that the distribution percentages for specific disorders may add up to more than 100% since a patient may have more than one disorder.

**Statistically different from zero at the 95% level.

*Statistically different from zero at the 90% level.

Table 4: Inpatient Anti-reflux Surgeries in 1998 and 2005

	1998	2005	Percent Change
Nissen Fundoplication with a Primary GERD Diagnosis	21,477	15,737	-27%**
<i>By Sex</i>			
Female	11,684 (54%)	9,074 (59%)	-22%*
Male	9,794 (46%)	6,331 (41%)	-35%**
<i>By Age</i>			
<=1	893 (4%)	1,865 (12%)	109%**
2-17	935 (4%)	1,946 (12%)	108%**
18-34	3,419 (16%)	1,854 (12%)	-46%**
35-44	5,327 (25%)	2,311 (15%)	-57%**
45-54	5,314 (25%)	3,272 (21%)	-38%*
55-64	3,182 (15%)	2,527 (16%)	-21%
>=65	2,368 (11%)	1,855 (12%)	-22%

Notes: Percentages in parentheses are the within-group distribution.

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*Statistically different from zero at the 90% level.