

GERD Surgical Treatment Coding and Billing Guide 2021

Physician Coding

CPT Code	Code Description	2021 RVUs (in facility)	2021 RVUs (in office)	2021 National Avg Medicare Payment (facility)	2021 National Avg Medicare Payment (office)
LINX REFLUX MANAGEMENT SYSTEM					
43284	Laparoscopy, surgical, esophageal sphincter augmentation procedure, placement of sphincter augmentation (ie, magnetic band), including cruroplasty when performed	19.29	NA	\$673.09	NA
43285	Removal of esophageal sphincter augmentation device	19.86	NA	\$692.98	NA
HERNIA REPAIR					
43281	Laparoscopy, surgical, repair of paraesophageal hernia, includes fundoplasty, when performed; without implantation of mesh	45.51	NA	\$1,587.99	NA
43282	Laparoscopy, surgical, repair of paraesophageal hernia, includes fundoplasty, when performed; with implantation of mesh	51.15	NA	\$1,784.78	NA
43283	Laparoscopy, surgical, esophageal lengthening procedure (eg, Collis gastroplasty or wedge gastroplasty) (List separately in addition to code for primary procedure)	4.65	NA	\$162.25	NA
43279	Laparoscopy, surgical, esophagomy (Heller type), with fundoplasty, when performed	37.95	NA	\$1,324.19	NA
ESOPHAGEAL PH MONITORING					
91010	Esophageal motility (manometric study of the esophagus and/or gastroesophageal junction) study with interpretation and report	NA	6.52	NA	\$227.50
91013	Esophageal motility (manometric study of the esophagus and/or gastroesophageal junction) study with interpretation and report; with stimulation or perfusion (eg, stimulant, acid or alkali perfusion) (List separately in addition to code for primary procedure)	NA	0.78	NA	\$27.22
91020	Gastric motility (manometric) studies	NA	8.27	NA	\$288.57
91030	Esophagus, acid perfusion (Bernstein) test for esophagitis	NA	4.34	NA	\$151.44
91034	Esophagus, gastroesophageal reflux test; with nasal catheter pH electrode(s) placement, recording, analysis and interpretation	NA	5.85	NA	\$204.12
91035	Esophagus, gastroesophageal reflux test; with mucosal attached telemetry pH electrode placement, recording, analysis and interpretation	NA	14.81	NA	\$516.77
91037	Esophageal function test, gastroesophageal reflux test with nasal catheter intraluminal impedance electrode(s) placement, recording, analysis and interpretation	NA	5.12	NA	\$178.65
91038	Esophageal function test, gastroesophageal reflux test with nasal catheter intraluminal impedance electrode(s) placement, recording, analysis and interpretation; prolonged	NA	13.23	NA	\$461.64
91040	Esophageal balloon distension study, diagnostic, with provocation when performed	NA	16.11	NA	\$562.13

GERD Surgical Treatment
Coding and Billing Guide 2021

Physician Coding continued

CPT Code	Code Description	2021 RVUs (in facility)	2021 RVUs (in office)	2021 National Avg Medicare Payment (facility)	2021 National Avg Medicare Payment (office)
NISSEN FUNDOPLICATION					
43280	Laparoscopy, surgical, esophagogastric fundoplasty (eg, Nissen, Toupet procedures)	31.89	NA	\$1,112.74	NA
ADDITIONAL RELEVANT PROCEDURE CODES					
43210	Esophagogastroduodenoscopy, flexible, transoral; with esophagogastric fundoplasty, partial or complete, includes duodenoscopy when performed	12.59	NA	\$439.30	NA
43200	Esophagoscopy, flexible, transoral; diagnostic, including collection of specimen(s) by brushing or washing, when performed (separate procedure)	2.55	7.84	\$88.98	\$273.56
43202	Esophagoscopy, flexible, transoral; with biopsy, single or multiple	2.99	10.88	\$104.33	\$379.64
43233	Esophagogastroduodenoscopy, flexible, transoral; with dilation of esophagus with balloon (30 mm diameter or larger) (includes fluoroscopic guidance, when performed)	6.69	NA	\$233.43	NA
43235	Esophagogastroduodenoscopy, flexible, transoral; diagnostic, including collection of specimen(s) by brushing or washing, when performed (separate procedure)	3.57	8.93	\$124.57	\$311.60
43239	Esophagogastroduodenoscopy, flexible, transoral; with biopsy, single or multiple	4.02	11.49	\$140.27	\$400.92
43257	Esophagogastroduodenoscopy, flexible, transoral; with delivery of thermal energy to the muscle of lower esophageal sphincter and/or gastric cardia, for treatment of gastroesophageal reflux disease	6.75	NA	\$235.53	NA
43332	Repair, paraesophageal hiatal hernia (including fundoplication), via laparotomy, except neonatal; without implantation of mesh or other prosthesis	33.98	NA	\$1,185.67	NA
43333	Repair, paraesophageal hiatal hernia (including fundoplication), via laparotomy, except neonatal; with implantation of mesh or other prosthesis	37.24	NA	\$1,299.42	NA
43334	Repair, paraesophageal hiatal hernia (including fundoplication), via thoracotomy, except neonatal; without implantation of mesh or other prosthesis	36.62	NA	\$1,277.79	NA
43335	Repair, paraesophageal hiatal hernia (including fundoplication), via thoracotomy, except neonatal; with implantation of mesh or other prosthesis	39.15	NA	\$1,366.07	NA
43336	Repair, paraesophageal hiatal hernia (including fundoplication), via thoracoabdominal incision, except neonatal; without implantation of mesh or other prosthesis	42.54	NA	\$1,484.35	NA
43337	Repair, paraesophageal hiatal hernia (including fundoplication), via thoracoabdominal incision, except neonatal; with implantation of mesh or other prosthesis	45.34	NA	\$1,582.05	NA
43338	Esophageal lengthening procedure (eg, Collis gastroplasty or wedge gastroplasty) (List separately in addition to code for primary procedure)	3.38	NA	\$117.94	NA
43499	Unlisted procedure, esophagus	NA	NA	NA	NA
43270	Esophagogastroduodenoscopy, flexible, transoral; with ablation of tumor(s), polyp(s), or other lesion(s) (includes pre- and post-dilation and guide wire passage, when performed)	6.53	22.66	\$227.85	\$790.68

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Physician Coding continued

CPT Code	Code Description	2021 RVUs (in facility)	2021 RVUs (in office)	2021 National Avg Medicare Payment (facility)	2021 National Avg Medicare Payment (office)
ADDITIONAL RELEVANT PROCEDURE CODES continued					
74230	Swallowing function, with cineradiography/ videoradiography	NA	3.91	NA	\$136.43
78264	Gastric emptying imaging study (eg, solid, liquid, or both)	NA	9.77	NA	\$340.91

Source: Calendar year (CY) 2021 rates; physician fee schedule, www.cms.gov; reflects conversion factor of \$34.8931. Medicare Program; CY 2021 Payment Policies Under the Physician Fee Schedule and Other Changes to Part B Payment Policies for CY 2021. Federal Register. Vol. 85, No 248, December 28, 2020.

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Hospital Outpatient/Ambulatory Surgery Center

CPT Code	Code Description	APC	APC Description	2021 National Avg Medicare HOPPS Paymt	2021 National Avg Medicare ASC Paymt
LINX REFLUX MANAGEMENT SYSTEM					
43284	Laparoscopy, surgical, esophageal sphincter augmentation procedure, placement of sphincter augmentation (ie, magnetic band), including cruroplasty when performed	5362	Level 2 Laparoscopy and Related Services	\$8,907.66	\$5,754.44
43285	Removal of esophageal sphincter augmentation device	5361	Level 1 Laparoscopy and Related Services	\$5,060.44	\$2,317.79
HERNIA REPAIR					
43281	Laparoscopy, surgical, repair of paraesophageal hernia, includes fundoplasty, when performed; without implantation of mesh	5362	Level 2 Laparoscopy and Related Services	\$8,907.66	\$3,813.40
43282	Laparoscopy, surgical, repair of paraesophageal hernia, includes fundoplasty, when performed; with implantation of mesh	5362	Level 2 Laparoscopy and Related Services	\$8,907.66	\$3,813.40
43283	Laparoscopy, surgical, esophageal lengthening procedure (eg, Collis gastroplasty or wedge gastroplasty) (List separately in addition to code for primary procedure)	NA	NA	NA	NA
43279	Laparoscopy, surgical, esophagomy (Heller type), with fundoplasty, when performed	NA	NA	NA	NA
ESOPHAGEAL PH MONITORING					
91010	Esophageal motility (manometric study of the esophagus and/or gastroesophageal junction) study with interpretation and report	5723	Level 3 Diagnostic Tests and Related Services	\$487.78	NA
91013	Esophageal motility (manometric study of the esophagus and/or gastroesophageal junction) study with interpretation and report; with stimulation or perfusion (eg, stimulant, acid or alkali perfusion) (List separately in addition to code for primary procedure)	NA	NA	NA	NA
91020	Gastric motility (manometric) studies	5723	Level 3 Diagnostic Tests and Related Services	\$487.78	NA
91030	Esophagus, acid perfusion (Bernstein) test for esophagitis	5723	Level 3 Diagnostic Tests and Related Services	\$487.78	NA

GERD Surgical Treatment
Coding and Billing Guide 2021

Hospital Outpatient/Ambulatory Surgery Center continued

CPT Code	Code Description	APC	APC Description	2021 National Avg Medicare HOPPS Paymt	2021 National Avg Medicare ASC Paymt
ESOPHAGEAL PH MONITORING continued					
91034	Esophagus, gastroesophageal reflux test; with nasal catheter pH electrode(s) placement, recording, analysis and interpretation	5723	Level 3 Diagnostic Tests and Related Services	\$487.78	NA
91035	Esophagus, gastroesophageal reflux test; with mucosal attached telemetry pH electrode placement, recording, analysis and interpretation	5723	Level 3 Diagnostic Tests and Related Services	\$487.78	NA
91037	Esophageal function test, gastroesophageal reflux test with nasal catheter intraluminal impedance electrode(s) placement, recording, analysis and interpretation	5722	Level 2 Diagnostic Tests and Related Services	\$264.45	NA
91038	Esophageal function test, gastroesophageal reflux test with nasal catheter intraluminal impedance electrode(s) placement, recording, analysis and interpretation; prolonged	5723	Level 3 Diagnostic Tests and Related Services	\$487.78	NA
91040	Esophageal balloon distension study, diagnostic, with provocation when performed	5723	Level 3 Diagnostic Tests and Related Services	\$487.78	NA
NISSEN FUNDOPLICATION					
43280	Laparoscopy, surgical, esophagogastric fundoplasty (eg, Nissen, Toupet procedures)	5362	Level 2 Laparoscopy and Related Services	\$8,907.66	\$3,813.40
ADDITIONAL RELEVANT PROCEDURE CODES					
43200	Esophagoscopy, flexible, transoral; diagnostic, including collection of specimen(s) by brushing or washing, when performed (separate procedure)	5301	Level 1 Upper GI Procedures	\$809.60	\$411.22
43202	Esophagoscopy, flexible, transoral; with biopsy, single or multiple	5302	Level 2 Upper GI Procedures	\$1,625.02	\$693.40
43210	Esophagogastroduodenoscopy, flexible, transoral; with esophagogastric fundoplasty, partial or complete, includes duodenoscopy when performed	5362	Level 2 Laparoscopy and Related Services	\$8,907.66	\$3,813.40
43233	Esophagogastroduodenoscopy, flexible, transoral; with dilation of esophagus with balloon (30 mm diameter or larger) (includes fluoroscopic guidance, when performed)	5302	Level 2 Upper GI Procedures	\$1,625.02	\$693.40
43235	Esophagogastroduodenoscopy, flexible, transoral; diagnostic, including collection of specimen(s) by brushing or washing, when performed (separate procedure)	5301	Level 1 Upper GI Procedures	\$809.60	\$411.22
43239	Esophagogastroduodenoscopy, flexible, transoral; with biopsy, single or multiple	5301	Level 1 Upper GI Procedures	\$809.60	411.22
43257	Esophagogastroduodenoscopy, flexible, transoral; with delivery of thermal energy to the muscle of lower esophageal sphincter and/or gastric cardia, for treatment of gastroesophageal reflux disease	5303	Level 3 Upper GI Procedures	\$3,080.79	\$1,381.34
43332	Repair, paraesophageal hiatal hernia (including fundoplication), via laparotomy, except neonatal; without implantation of mesh or other prosthesis	NA	NA	NA	NA
43333	Repair, paraesophageal hiatal hernia (including fundoplication), via laparotomy, except neonatal; with implantation of mesh or other prosthesis	NA	NA	NA	NA
43334	Repair, paraesophageal hiatal hernia (including fundoplication), via thoracotomy, except neonatal; without implantation of mesh or other prosthesis	NA	NA	NA	NA
43335	Repair, paraesophageal hiatal hernia (including fundoplication), via thoracotomy, except neonatal; with implantation of mesh or other prosthesis	NA	NA	NA	NA

Hospital Outpatient/Ambulatory Surgery Center continued

CPT Code	Code Description	APC	APC Description	2021 National Avg Medicare HOPPS Paymt	2021 National Avg Medicare ASC Paymt
ADDITIONAL RELEVANT PROCEDURE CODES continued					
43336	Repair, paraesophageal hiatal hernia, (including fundoplication), via thoracoabdominal incision, except neonatal; without implantation of mesh or other prosthesis	NA	NA	NA	NA
43337	Repair, paraesophageal hiatal hernia, (including fundoplication), via thoracoabdominal incision, except neonatal; with implantation of mesh or other prosthesis	NA	NA	NA	NA
43338	Esophageal lengthening procedure (eg, Collis gastroplasty or wedge gastroplasty) (List separately in addition to code for primary procedure)	NA	NA	NA	NA
43499	Unlisted procedure, esophagus	5301	Level 1 Upper GI Procedures	\$809.60	NA
43270	Esophagogastroduodenoscopy, flexible, transoral; with ablation of tumor(s), polyp(s), or other lesion(s) (includes pre- and post-dilation and guide wire passage, when performed)	5302	Level 2 Upper GI Procedures	\$1,625.02	\$693.40
74230	Swallowing function, with cineradiography/ videoradiography	5571	Level 1 Imaging with Contrast	\$178.55	NA
78264	Gastric emptying imaging study (eg, solid, liquid, or both)	5591	Level 1 Nuclear Medicine and Related Services	\$377.12	NA

Source: Medicare Program: Hospital Outpatient Prospective Payment and Ambulatory Surgical Center Payment Systems and Quality Reporting Programs; New Categories for Hospital Outpatient Department Prior Authorization Process; Clinical Laboratory Fee Schedule: Laboratory Date of Service Policy; Overall Hospital Quality Star Rating Methodology; Physician-owned Hospitals; Notice of Closure of Two Teaching Hospitals and Opportunity To Apply for Available Slots, Radiation Oncology Model, and Reporting Requirements for Hospitals and Critical Access Hospitals (CAHs) to Report Acute Respiratory Illness During the Public Health Emergency (PHE) for Coronavirus Disease 2019 (COVID-19). Federal Register. Vol. 85, No 249. December 29, 2020.

Inpatient Hospital

MS-DRG	MS-DRG Name	2021 National Average Medicare Payment
326	Stomach, esophageal, and duodenal procedures with MCC	\$34,565
327	Stomach, esophageal, and duodenal procedures with CC	\$16,773
328	Stomach, esophageal, and duodenal procedures without CC/MCC	\$10,705

Source: Medicare Program: Hospital Inpatient Prospective Payment Systems for Acute Care Hospitals and the Long-Term Care Hospital Prospective Payment System and Final Policy Changes and Fiscal Year 2021 Rates; Quality Reporting and Medicare and Medicaid Promoting Interoperability Programs Requirements for Eligible Hospitals and Critical Access Hospitals. Final Rule. Federal Register / Vol. 85, No. 182 / September 18, 2020.

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LINX® Reflux Management System Important Safety Information

The LINX Reflux Management System is a laparoscopic, fundic-sparing anti-reflux procedure indicated for patients diagnosed with Gastroesophageal Reflux Disease (GERD) as defined by abnormal pH testing, and who are seeking an alternative to continuous acid suppression therapy (ie, proton pump inhibitors or equivalent) in the management of their GERD. **Rx Only. Contraindications:** Do not implant the LINX system in patients with suspected or known allergies to titanium, stainless steel, nickel, or ferrous materials. **Warnings:** The LINX device is considered MR Conditional in a magnetic resonance imaging (MRI) system up to either 0.7 Tesla (0.7T) or 1.5 Tesla (1.5T), depending on the LINX model implanted. Laparoscopic placement of the LINX device is major surgery. **General Precautions:** The LINX device is a long-term implant for use in patients 21 years or older. Medical management of adverse reactions may include explantation and/or replacement. Potential Risks Associated with LINX System: belching, decreased appetite, device erosion, device migration (device does not appear to be at the implant site), dysphagia (difficult swallowing), flatulence, hiccups, inability to belch or vomit, infection, nausea, odynophagia (painful swallowing), pain regurgitation, stomach bloating, weight loss, and worsening of preoperative symptoms. Your physician can help you determine if LINX is right for you. Patient results may vary. For full patient information visit www.linxforld.com or www.ethicon.com.

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Shaping
the future
of surgery