



Figure 1 Flow diagram showing patient selection.

Table S1 Anastomotic technique

Anastomotic Technique	Readmission Within 0-30 Days (n=171)	Readmission Within 31-90 Days (n=91)	Not Readmitted Within 90 Days (n=605)
Intrathoracic esophagoesophagostomy	6 (3.5%)	7 (7.7%)	25 (4.1%)
Intrathoracic esophagogastrostomy	114 (66.7%)	62 (68.1%)	412 (68.1%)
Intrathoracic esophagoenterostomy	28 (16.4%)	12 (13.2%)	85 (14.0%)
Intrathoracic esophagocolostomy	5 (2.9%)	4 (4.4%)	12 (2.0%)
Antesternal esophagoesophagostomy	1 (0.6%)	0	0
Antesternal esophagogastrostomy	12 (7.0%)	6 (6.6%)	63 (10.4%)
Antesternal esophagoenterostomy	1 (0.6%)	0	1 (0.2%)
Antesternal esophagocolostomy	4 (2.3%)	0	7 (1.2%)

Table S2 ICD-9 Diagnosis codes for post-operative infection following esophagectomy

ICD-9 Diagnosis Code	Diagnosis
112.5	Disseminated candidiasis
478.22	Parapharyngeal abscess
513.0	Abscess of lung
513.1	Abscess of mediastinum
519.01	Tracheostomy Infection
519.19	Other diseases of trachea and bronchus
519.2	Mediastinitis
536.41	Gastrostomy Infection
558.9	Other and unspecified non-infectious gastroenteritis and colitis
562.11	Diverticulitis of colon (without mention of hemorrhage)
567.22	Peritoneal abscess
569.61	Infection of colostomy or enterotomy
682.2	Cellulitis of trunk
682.6	Cellulitis of leg
686.9	Local skin infection, NOS
780.60	Fever, NOS
790.7	Bacteremia
996.59	Mechanical complication due to other implant and internal device, not otherwise classified
996.62	Infection and inflammatory reaction due to other vascular device, implant, and graft
996.66	Infection and inflammatory reaction due to internal joint prosthesis
996.69	Infection and inflammatory reaction due to other internal prosthetic device, implant, and graft
996.74	Other complications due to other vascular device, implant, and graft
996.79	Other complications due to other internal prosthetic device, implant, and graft
998.31	Disruption of internal operation (surgical) wound
998.32	Disruption of external operation (surgical) wound
998.33	Disruption of traumatic injury wound repair
998.59	Other post-operative infection
998.70	Other complications due to unspecified device, implant, and graft
999.31	Infection due to central venous catheter
999.32	Blood stream infection due to central venous catheter