**Supplemental Table 1. ICD-9-CM codes used in this study**

| Diagnosis | ICD-9-CM Codes |
| --- | --- |
| Obesity | 278.00, 278.01, V85.3X, V85.4X |
| Colon Cancer | 153.0, 153.1, 153.2, 153.3, 153.4, 153.5, 153.6, 153.7, 153.8, 153.9 |
| Rectal Cancer | 154.0, 154.1, 154.8 |
| Gastric Cancer | 151.0, 151.1, 151.2, 151.3, 151.4, 151.5, 151.6, 151.8, 151.9, 209.23, 230.2, 235.2, 239.0 |
| Esophageal Cancer | 150.0, 150.1, 150.2, 150.3, 150.4, 150.5, 150.8, 150.9, 230.1 |
| Pancreatic Cancer | 157.0, 157.1, 157.2, 157.8, 157.9, 157.3, 157.4 |
| Procedure | ICD-9-CM Codes |
| Colon Resection | 17.31, 17.32, 17.33, 17.34, 17.35, 17.36. 17.39, 45.71, 45.72, 45.73, 45,74, 45.75, 45.76, 45.79, 45.81, 45.82, 45.83 |
| Rectal Resection | 48.61, 48.62, 48.63, 48.64, 48.65, 48.69, 48.40, 48.41, 48.43, 48.49, 48.50, 48.52, 48.59, 48.51, 48.42 |
| Gastric Resection | 43.5, 43.6, 43.7, 43.8, 43.81, 43.89, 43.9, 43.91, 43.99 |
| Esophageal Resection | 42.40, 42.41, 42.42, 43.99 |
| Pancreatic Resection | 52.5, 52.51, 52.52, 52.53, 52.59, 52.6, 52.7 |