**APPENDIX 1 CPT codes for included minor and major surgical procedures**

Minor Surgery

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| Minor Surgery |
| Surgical Category | **Procedure** | **CPT Code** |
| Varicose vein removal | Ligation, division and/or excision of varicose vein cluster(s)  | 37785 |
| Appendectomy | Varicose vein removal Laparoscopy, appendectomy  | 44970 |
| Hemorrhoidectomy | Ligation of hemorrhoid(s)  | 46221 |
| Hemorrhoidectomy, external, complete  | 46250 |
| Hemorrhoidectomy, internal and external, simple  | 46255 |
| Hemorrhoidectomy, internal and external, simple; with fissurectomy  | 46257 |
| Hemorrhoidectomy, internal and external, simple; with fistulectomy with or without fissurectomy  | 46258 |
| Hemorrhoidectomy, internal and external, complete or extensive  | 46260 |
| Hemorrhoidectomy, internal and external, complex or extensive; with fissurectomy  | 46261  |
| Hemorrhoidectomy, internal and external, complex or extensive; with fistulectomy, with or without fissurectomy  | 46262 |
| Ligation of internal hemorrhoids; single procedure  | 46945 |
| Ligation of internal hemorrhoids; multiple procedures  | 46946 |
| Lap cholecystecomy | Laparoscopy, surgical; cholecystectomy | 47562 |
| Cholecystectomy with cholangiography  | 47563 |
| Cholecystectomy with exploration of common duct  | 47564 |
| Transurethral prostate surgery | Transurethral incision of the prostate  | 52450 |
| Transurethral resection of the prostate | 52601 |
| Transurethral resection of residual or regrowth of obstructive prostate tissue including control of postoperative bleeding, complete  | 52630 |
| Thyroidectomy | Removal of thyroid  | 60240 |
| Parathyroidectomy | Parathyroidectomy or exploration of parathyroids  | 60500 |
| Carpal tunnel surgery | Carpal tunnel release  | 64721 |

Major Surgery

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| Major Surgery |
| Surgical Category | **Procedure** | **–ICD-9 Code** |

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| Bariatric surgery | Laparoscopic vertical (sleeve) gastrectomy  | 4382 |
| Laparoscopic gastroenterostomy  | 4438 |
| Other gastroenterostomy without gastrectomy  | 4439 |
| Gastropexy  | 4464 |
| Other procedures for creation of esophagogastric sphincteric competence  | 4466 |
| Laparoscopic procedures for creation of esophagogastric sphincteric competence  | 4467 |
| Laparoscopic gastroplasty  | 4468 |
|  Laparoscopic gastric restrictive procedure  | 4495 |
| (Laparoscopic) adjustment of size of adjustable gastric restrictive device  | 4498 |
| Colectomy |  Open and other right hemicolectomy  | 4573 |
| Laparoscopic total intra-abdominal colectomy  | 4581 |
| Open total intra-abdominal colectomy  | 4582 |
| Other and unspecified total intra-abdominal colectomy  | 4583 |
| Ventral hernia repair | Incisional hernia repair  | 5351 |
| Repair of other hernia of anterior abdominal wall  | 5359 |
| Other open incisional hernia repair with graft or prosthesis  | 5361 |
| Laparoscopic incisional hernia repair with graft or prosthesis  | 5362 |
| Other laparoscopic repair of other hernia of anterior abdominal wall with graft or prosthesis  | 5363 |
| Other and open repair of other hernia of anterior abdominal wall with graft or prosthesis  | 5369 |
| Reflux surgery | Laparoscopic repair of diaphragmatic hernia, abdominal approach | 5371 |
| Other and open repair of diaphragmatic hernia, abdominal approach | 5372 |
| Repair of diaphragmatic hernia, abdominal approach, not otherwise specified  | 5375 |
| Repair of diaphragmatic hernia with thoracic approach, not otherwise specified | 5380 |
| Laparoscopic repair of diaphragmatic hernia, with thoracic approach | 5383 |
| Other and open repair of diaphragmatic hernia, with thoracic approach | 5384 |
| Hysterectomy | Laparoscopic supracervical hysterectomy [LSH] | 6831 |
| Other and unspecified subtotal abdominal hysterectomy  | 6839 |
| Laparoscopic total abdominal hysterectomy  | 6841 |
| Other and unspecified total abdominal hysterectomy  | 6849 |
| Laparoscopically assisted vaginal hysterectomy (LAVH)  | 6851 |
| Other and unspecified hysterectomy  | 689 |