|  |  |  |
| --- | --- | --- |
| **DIAGNOSIS** | **ICD-9** | **ICD-10** |
| Crohn’s Disease | 555.XX | K50.XX |
| Ulcerative colitis | 556.XX | K51.XX |

**Supplemental Table**: ICD diagnosis codes for the inflammatory bowel diseases, Crohn’s disease and ulcerative colitis

***Medications of Interest (XIAN’S HCPCS and NDC\*\*)***

|  |  |
| --- | --- |
| **Treatment Class** | **Agents** |
| Aminosalicylates | Sulfasalazine, Mesalamine, Balsalazide, Olsalazine |
| Antibiotics | Metronidazole, Ciprofloxacin |
| Immune Modulators | Thiopurines (Azathioprine/6-mercaptopurine), Methotrexate |
| Anti-TNF Agents | Infliximab, Adalimumab, Certolizumab Pegol, Golimumab |
| Anti-Integrin Agents | Vedolizumab, Natalizumab |
| Anti-IL\*-12/23 | Ustekinumab |
| Steroid | Systemic Steroids (Prednisone/(methyl)prednisolone), enteral Budesonide |

**Supplemental Table:** Crohn’s disease (CD) medications analyzed among post-operative pediatric patients with CD in the IQVIA Legacy PharMetrics Administrative Claims database 2007-2018. \*IL = Interleukin

***Procedures of Interest***

|  |  |
| --- | --- |
| **CPT** | **LARGE BOWEL Description** |
| 44140 | Colectomy, partial; with anastomosis |
| 44141 | Colectomy, partial; with skin level cecostomy or colostomy |
| 44143 | Colectomy, partial; with end colostomy and closure of distal segment (Hartmann type procedure) |
| 44144 | Colectomy, partial; with resection, with colostomy or ileostomy and creation of mucofistula |
| 44145 | Colectomy, partial; with coloproctostomy (low pelvic anastomosis) |
| 44146 | Colectomy, partial; with coloproctostomy (low pelvic anastomosis), with colostomy |
| 44147 | Colectomy, partial; abdominal and transanal approach |
| 44150 | Colectomy, total, abdominal, without proctectomy; with ileostomy or ileoproctostomy |
| 44151 | Colectomy, total, abdominal, without proctectomy; with continent ileostomy |
| 44155 | Colectomy, total, abdominal, with proctectomy; with ileostomy |
| 44156 | Colectomy, total, abdominal, with proctectomy; with continent ileostomy |
| 44157 | Colectomy, total, abdominal, with proctectomy; with ileoanal anastomosis, includes loop ileostomy, and rectal mucosectomy, when performed |
| 44158 | Colectomy, total, abdominal, with proctectomy; with ileoanal anastomosis, creation of ileal reservoir (S or J), includes loop ileostomy, and rectal mucosectomy, when performed |
| 44204 | Laparoscopy, surgical; colectomy, partial, with anastomosis |
| 44206 | Laparoscopy, surgical; colectomy, partial, with end colostomy and closure of distal segment (Hartmann type procedure) |
| 44207 | Laparoscopy, surgical; colectomy, partial, with anastomosis, with coloproctostomy (low pelvic anastomosis) |
| 44208 | Laparoscopy, surgical; colectomy, partial, with anastomosis, with coloproctostomy (low pelvic anastomosis) with colostomy |
| 44210 | Laparoscopy, surgical; colectomy, total, abdominal, without proctectomy, with ileostomy or ileoproctostomy |
| 44211 | Laparoscopy, surgical; colectomy, total, abdominal, with proctectomy, with ileoanal anastomosis, creation of ileal reservoir (S or J), with loop ileostomy, includes rectal mucosectomy, when performed |
| 44212 | Laparoscopy, surgical; colectomy, total, abdominal, with proctectomy, with ileostomy |
|  | **SMALL BOWEL Description** |
| 44120 | Enterectomy, resection of small intestine; single resection and anastomosis |
| 44121 | Enterectomy; resection of small bowel, multiple |
| 44125 | Enterectomy, resection of small intestine; with enterostomy |
| 44202 | Laparoscopy, surgical; enterectomy, resection of small intestine, single resection and anastomosis |
|  | **ILEO-CECAL Description** |
| 44160 | Colectomy, partial, with removal of terminal ileum with ileocolostomy |
| 44205 | Laparoscopy, surgical; colectomy, partial, with removal of terminal ileum with ileocolostomy |
|  | **COLONOSCOPY** |
| 45378 | Colonoscopy, flexible; diagnostic, including collection of specimen(s) by brushing or washing, when performed (separate procedure) |
| 45380 | Colonoscopy, flexible; with biopsy, single or multiple |
|  | ADDITIONAL -oscopy CPTs to Come |
| 44360 | Small Bowel Enteroscopy |
| 44380, 44382, 44388, 44389, 44391 | Enteroscopy via -ostomy |
| 45330, 45331, 45371, 45378 | Flex Sigmoidoscopy |
| 44385, 44386 | Pouchoscopy |
|  |  |

**Supplemental Table:** Current Procedural Terminology (CPT) codes used for cohort inclusion and outcomes definition.

***Labs/Imaging of Interest***

|  |  |  |  |
| --- | --- | --- | --- |
| **Lab** | **CPT** | **Imaging** | **CPT** |
| CBC (with diff) | 85025 | CT abdomen  w/ contrast  w/o contrast  Abdomen and pelvis (w/o contrast)  Abdomen and pelvis (w/ contrast) | 74170  74178  74176  74177 |
| C reactive protein | 86140 | MR enterography | 74181, 74182,  74183,72195,  72196, 72197 |
| Erythrocyte sedimentation rate | 85651  85652 | Xray (abdomen) | 74018 |
| Albumin | 82040 |  |  |
| AST | 84450 |  |  |
| ALT | 84460 |  |  |
| Total protein | 84155 |  |  |

**Supplemental Table**: Current Procedural Terminology (CPT) codes used for health resource utilization