

## Appendix 1. ICD-10 codes

The clinical steering group reviewed the full database of ICD-10 codes. We selected the following ICD-10 codes for analysis after agreement was reached by majority of the clinical steering group, an a priori decision was taken to exclude all cancer related codes:

**Table A: ICD-10 codes for UC**

Code	Description
A047	Enterocolitis due to Clostridium difficile
A048	Other specified bacterial intestinal infections
A09X	Other gastroenteritis and colitis of infectious and unspecified origin
D500	Iron deficiency anaemia secondary to blood loss (chronic)
D508	Other iron deficiency anaemias
D509	Iron deficiency anaemia, unspecified
D649	Anaemia, unspecified
E611	Iron deficiency
K501	Crohn's disease of large intestine
K510	Ulcerative (chronic) pancolitis
K511	Ulcerative colitis
K512	Ulcerative (chronic) proctitis
K513	Ulcerative (chronic) rectosigmoiditis
K514	Inflammatory polyps
K515	Left sided colitis
K518	Other ulcerative colitis
K519	Ulcerative colitis, unspecified
K521	Toxic gastroenteritis and colitis
K528	Other specified noninfective gastroenteritis and colitis
K529	Noninfective gastroenteritis and colitis, unspecified
K529 D	Other noninfective gastroenteritis and colitis
K565	Intestinal adhesions [bands] with obstruction
K567	Ileus, unspecified
K593	Megacolon, not elsewhere classified
K610	Anal abscess
K624	Stenosis of anus and rectum
K625	Haemorrhage of anus and rectum
K626	Ulcer of anus and rectum
K628	Other specified diseases of anus and rectum
K631	Perforation of intestine (nontraumatic)
K633	Ulcer of intestine
K650	Acute peritonitis
K658	Other peritonitis
K659	Peritonitis, unspecified
K660	Peritoneal adhesions
K830	Cholangitis
K913	Postoperative intestinal obstruction
K914	Colostomy and enterostomy malfunction
R100	Acute abdomen

R103	Pain localized to other parts of lower abdomen
R104	Other and unspecified abdominal pain
R194	Change in bowel habit
Z090	Follow-up examination after surgery for other conditions
Z408	Other prophylactic surgery
Z432	Attention to ileostomy
Z433	Attention to colostomy
Z465	Fitting and adjustment of ileostomy and other intestinal appliances
Z904	Acquired absence of other parts of digestive tract
Z932	Ileostomy status
Z933	Colostomy status

**Table B: ICD-10 codes for CD**

<b>Code</b>	<b>Description</b>
A045	Campylobacter enteritis
A045D	Other bacterial intestinal infections
A047	Enterocolitis due to Clostridium difficile
A049	Bacterial intestinal infection, unspecified
A09X	Other gastroenteritis and colitis of infectious and unspecified origin
A415	Sepsis due to other Gram-negative organisms
D500	Iron deficiency anaemia secondary to blood loss (chronic)
D508	Other iron deficiency anaemias
D509	Iron deficiency anaemia, unspecified
D513	Other dietary vitamin B <sub>12</sub> , deficiency anaemia
D519	Vitamin B <sub>12</sub> , deficiency anaemia, unspecified
D520	Dietary folate deficiency anaemia
D649	Anaemia, unspecified
E538	Deficiency of other specified B group vitamins
E611	Iron deficiency
E612	Magnesium deficiency
E619	Deficiency of nutrient element, unspecified
E638	Other specified nutritional deficiencies
E639	Nutritional deficiency, unspecified
E639 D	Other nutritional deficiencies
E834	Disorders of magnesium metabolism
E86X	Volume depletion
K134	Granuloma and granuloma-like lesions of oral mucosa
K315	Obstruction of duodenum
K316	Fistula of stomach and duodenum
K383	Fistula of appendix
K500	Crohn's disease of small intestine
K500D	Crohn's disease [regional enteritis]
K501	Crohn's disease of large intestine
K508	Other Crohn's disease
K508 D	Crohn's disease [regional enteritis]
K509	Crohn's disease, unspecified
K509 D	Crohn's disease [regional enteritis]
K510	Ulcerative (chronic) pancolitis
K511	Ulcerative colitis

K512	Ulcerative (chronic) proctitis
K513	Ulcerative (chronic) rectosigmoiditis
K514	Inflammatory polyps
K515	Left sided colitis
K518	Other ulcerative colitis
K519	Ulcerative colitis, unspecified
K528	Other specified noninfective gastroenteritis and colitis
K529	Noninfective gastroenteritis and colitis, unspecified
K529 A	Other noninfective gastroenteritis and colitis
K529 D	Other noninfective gastroenteritis and colitis
K529+	Other noninfective gastroenteritis and colitis
K560	Paralytic ileus
K562	Volvulus
K565	Intestinal adhesions [bands] with obstruction
K566	Other and unspecified intestinal obstruction
K567	Ileus, unspecified
K590	Constipation
K593	Megacolon, not elsewhere classified
K601	Chronic anal fissure
K603	Anal fistula
K604	Rectal fistula
K605	Anorectal fistula
K610	Anal abscess
K611	Rectal abscess
K612	Anorectal abscess
K613	Ischiorectal abscess
K614	Intrasphincteric abscess
K624	Stenosis of anus and rectum
K625	Haemorrhage of anus and rectum
K626	Ulcer of anus and rectum
K628	Other specified diseases of anus and rectum
K630	Abscess of intestine
K631	Perforation of intestine (nontraumatic)
K632	Fistula of intestine
K633	Ulcer of intestine
K650	Acute peritonitis
K658	Other peritonitis
K659	Peritonitis, unspecified
K900 D	Intestinal malabsorption
K908	Other intestinal malabsorption
K908 D	Intestinal malabsorption
K909	Intestinal malabsorption, unspecified
K909 D	Intestinal malabsorption
K912	Postsurgical malabsorption, not elsewhere classified
K913	Postoperative intestinal obstruction
K914	Colostomy and enterostomy malfunction
L022	Cutaneous abscess, furuncle and carbuncle of trunk
L023	Cutaneous abscess, furuncle and carbuncle of buttock
L52X	Erythema nodosum
L52XD	Erythema nodosum
L88X	Pyoderma gangrenosum

M074	Arthropathy in Crohn's disease [regional enteritis]
M0740	Arthropathy in Crohn's disease [regional enteritis]
M0919	Juvenile arthritis in Crohn's disease [regional enteritis]
N321	Vesicointestinal fistula
N822	Fistula of vagina to small intestine
N823	Fistula of vagina to large intestine
R100	Acute abdomen
R101	Pain localized to upper abdomen
R102	Pelvic and perineal pain
R103	Pain localized to other parts of lower abdomen
R11X	Nausea and vomiting
R190	Intra-abdominal and pelvic swelling, mass and lump
R194	Change in bowel habit
R945	Abnormal results of liver function studies
T813	Disruption of operation wound, not elsewhere classified
Z432	Attention to ileostomy
Z433	Attention to colostomy
Z904	Acquired absence of other parts of digestive tract
Z980	Intestinal bypass and anastomosis status