

# Organisational audit

## Paediatric Services: Guide to completing demographic data

The demographic questions are as follows:

Qu. No.	Question	Answer
DEM 1.1	How many IBD patients does your service manage?	
DEM 1.2	Is this figure: an estimate (enter 'e') or from a database/register (enter 'd')?	
DEM 1.3	Of these IBD patients, how many have ulcerative colitis?	
DEM 1.4	Of these IBD patients, how many have Crohn's disease?	
DEM 1.5	Of these IBD patients, how many have IBD-unspecified?	
DEM 1.6	How many new IBD patients have you seen in the last 12 months?	
DEM 1.7	Is this figure: an estimate (enter 'e') or from a database/register (enter 'd')?	
DEM 1.8	How many patients aged 16 and under (at the date of admission) were discharged from the care of paediatric services between 1 January and 31 December 2013 with a primary diagnosis of ulcerative colitis?	
DEM 1.9	How many of these patients were readmitted within 30 days of discharge?	
DEM 1.10	How many patients aged 16 and under (at the date of admission) were discharged from the care of paediatric services between 1 January and 31 December 2013 with a primary diagnosis of Crohn's disease?	
DEM 1.11	How many of these patients were readmitted within 30 days of discharge?	
DEM 1.12	How many patients aged 16 and under (at the date of admission), discharged from the care of paediatric services between 1 January and 31 December 2013 had an operation where the primary indication was ulcerative colitis?	
DEM 1.13	How many patients aged 16 and under (at the date of admission), discharged from the care of paediatric services between 1 January and 31 December 2013 had an operation where the primary indication was Crohn's disease?	
DEM 1.14	Do surgeons perform ileo-anal surgery on site?	
DEM 1.15	How many ileo-anal pouch operations were performed between 1 January and 31 December 2013?	
DEM 1.16	Were the majority of these ileo-anal pouch operations carried out by a paediatric surgeon in conjunction with an adult colorectal surgeon?	
DEM 1.17	How many WTE paediatric gastroenterologists are there on site?	
DEM 1.18	How many general paediatricians with an interest in gastroenterology are there on site?	
DEM 1.19	How many WTE paediatric colorectal surgeons or surgeons with suitable paediatric experience are there on site?	
DEM 1.20	How many WTE paediatric IBD nurse specialists or IBD/GI nurse specialists with suitable paediatric experience are there on site?	
DEM 1.21	How many WTE stoma nurses are there on site?	
DEM 1.22	How many WTE paediatric dietitians or dietitians with suitable paediatric experience (including the use of exclusive enteral feeding) are allocated to gastroenterology?	
DEM 1.23	How many WTE administrators are attached to the IBD team?	
DEM 1.24	Is there a named paediatric histopathologist with an interest in gastroenterology attached to the IBD team?	

DEM 1.25	Is there a named paediatric radiologist or a radiologist with suitable paediatric experience (performing and reporting), with an interest in gastroenterology attached to the IBD team?	
DEM 1.26	How many patients with Crohn's disease were newly-started on Infliximab between 1 January and 31 December 2013 (include patients of any age)?	
DEM 1.27	How many patients with ulcerative colitis were newly-started on Infliximab between 1 January and 31 December 2013 (include patients of any age)?	
DEM 1.28	How many patients with IBD-unspecified were newly-started on Infliximab between 1 January and 31 December 2013 (include patients of any age)?	
DEM 1.29	How many patients with Crohn's disease were newly-started on Adalimumab between 1 January and 31 December 2013 (include patients of any age)?	
DEM 1.30	How many patients with ulcerative colitis were newly-started on Adalimumab between 1 January and 31 December 2013 (include patients of any age)?	
DEM 1.31	How many patients with IBD-unspecified were newly-started on Adalimumab between 1 January and 31 December 2013 (include patients of any age)?	
DEM 1.32	Are the figures in DEM1.17 and DEM1.18 an estimate (enter 'e') or from a database/register (enter 'd')?	
DEM 1.33	How many patients admitted primarily for treatment of their IBD between 1 January and 31 December 2013, died during that admission	

### Obtaining number of admissions

For question DEM 1.1 to DEM 1.7, if you do not have a local register of patients you are able to indicate that the number you have provided is an estimate.

For questions DEM 1.8 and DEM 1.11 count only the total number of admissions where length of stay was greater than 24 hours. You can include all admissions where the primary diagnosis matches the ICD-10 codes provided below in Appendix 1. Multiple admissions by the same patient should be counted.

Readmissions can be more difficult to measure, but most information departments will have a system for this. You will be looking for patients with the IBD codes listed in Appendix 1 who have been readmitted within 30 days. Only include admissions for >24 hours, to exclude day case attendance for elective endoscopy or treatment.

### Obtaining number of operations

For questions DEM 1.12 and DEM 1.14 we have included a list of the OPCS-4 codes for IBD surgery (Appendix 2) that you can use to help answer these questions.

### Patients being treated with biological therapies

Only include patients that were newly-started on either Infliximab or Adalimumab primarily for the treatment of IBD (DEM 1.26 and DEM 1.32). The patient can have been started on this treatment as an outpatient or an inpatient. You can obtain this number from the biological therapies audit data you have entered if it has been kept up to date ([www.ibdprogramme.co.uk](http://www.ibdprogramme.co.uk))

### Exclusion criteria

Clinical episodes that should **not** be counted (even if their primary discharge code matches the list in appendix 1) are: a day case (for an infusion, endoscopy or day surgery procedure) or where the patient stayed overnight but was discharged within 24 hours of admission.

## **Appendix 1 – relevant ICD-10 Codes**

### **Crohn's Disease**

#### **K50: Crohn's disease [regional enteritis]**

Includes: granulomatous enteritis

#### **K50.0 Crohn's disease of small intestine**

Crohn's disease [regional enteritis] of:

- duodenum
- ileum
- jejunum
- Ileitis:
- regional
- terminal

#### **K50.1 Crohn's disease of large intestine**

Colitis:

- granulomatous
- regional

Crohn's disease [regional enteritis] of:

- colon
- large bowel
- rectum

#### **K50.8 Other Crohn's disease**

Crohn's disease of both small and large intestine

#### **K50.9 Crohn's disease, unspecified**

Regional enteritis NOS

### **Ulcerative Colitis**

#### **K51 Ulcerative colitis**

#### **K51.0 Ulcerative (chronic) enterocolitis**

#### **K51.1 Ulcerative (chronic) ileocolitis**

#### **K51.2 Ulcerative (chronic) proctitis**

#### **K51.3 Ulcerative (chronic) rectosigmoiditis**

#### **K51.4 Pseudopolyposis of colon**

#### **K51.5 Mucosal proctocolitis**

#### **K51.8 Other ulcerative colitis**

#### **K51.9 Ulcerative colitis, unspecified**

Ulcerative enteritis NOS

## Appendix 2 – Relevant OPCS–4 codes

The OPCS-4 codes come as either 3 or 4 digit codes. The 3 digit ones are broad categories of types of operation and the 4 digit ones are more precise definitions of the broad categories.

The suggested codes for ileo-anal pouch surgery relevant to DEM1.12 are as below but please contact your colorectal surgery colleagues directly to discuss this further.

OPCS4.2 Code	OPCS4.3 Code	Description
H04.2	H04.2	Panproctocolectomy and anastomosis of ileum to anus and creation of pouch HFQ
G72.5	G72.5	Anastomosis of ileum to anus and creation of pouch hfq- ileo-anal pouch

### TABULAR LIST OF THREE DIGIT CATEGORIES

#### Jejunum (G58-G67)

- G58 Excision of jejunum
- G59 Extirpation of lesion of jejunum
- G60 Artificial opening into jejunum
- G63 Other open operations on jejunum
- G67 Other operations on jejunum

#### Ileum (G69-G82)

- G69 Excision of ileum
- G70 Open extirpation of lesion of ileum
- G71 Bypass of ileum
- G72 Other connection of ileum
- G73 Attention to connection of ileum
- G74 Creation of artificial opening into ileum
- G75 Attention to artificial opening into ileum
- G78 Other open operations on ileum
- G82 Other operations on ileum

### H. LOWER DIGESTIVE TRACT

#### Colon

- H04 Total excision of colon and rectum
- H05 Total excision of colon
- H06 Extended excision of right hemicolon
- H07 Other excision of right hemicolon
- H08 Excision of transverse colon
- H09 Excision of left hemicolon
- H10 Excision of sigmoid colon
- H11 Other excision of colon
- H12 Extirpation of lesion of colon
- H13 Bypass of colon
- H14 Exteriorisation of caecum
- H15 Other exteriorisation of colon
- H16 Incision of colon
- H19 Other open operations on colon
- H30 Other operations on colon

#### Appendix (H01-H03)

- H01 Emergency excision of appendix
- H02 Other excision of appendix
- H03 Other operations on appendix

#### Rectum (H33-H46)

- H33 Excision of rectum
- H34 Open extirpation of lesion of rectum
- H40 Operations on rectum through anal sphincter
- H41 Other operations on rectum through anus
- H46 Other operations on rectum

#### Anus and perianal region

- H47 Excision of anus
- H48 Excision of lesion of anus
- H49 Destruction of lesion of anus
- H54 Dilation of anal sphincter
- H55 Other operations on perianal region
- H56 Other operations on anus

### TABULAR LIST OF FOUR DIGIT CATEGORIES

#### G58 Excision of jejunum

- G58.1 Total jejunectomy and anastomosis of stomach to ileum
  - G58.2 Total jejunectomy and anastomosis of duodenum to ileum
  - G58.3 Total jejunectomy and anastomosis of duodenum to colon
  - G58.4 Partial jejunectomy and anastomosis of jejunum to ileum
  - G58.5 Partial jejunectomy and anastomosis of duodenum to colon
  - G58.8 Other specified
  - G58.9 Unspecified
- Includes: Jejunectomy and anastomosis of jejunum to jejunum
- Includes: Jejunectomy nec

#### G59 Extirpation of lesion of jejunum

- G59.1 Excision of lesion of jejunum
- G59.2 Open destruction of lesion of jejunum
- G59.8 Other specified
- G59.9 Unspecified

#### G60 Artificial opening into jejunum

- G60.1 Creation of jejunostomy
- G60.2 Refashioning of jejunostomy
- G60.3 Closure of jejunostomy
- G60.8 Other specified

**G63 Other open operations on jejunum**

G63.1 Open biopsy of lesion of jejunum

Includes: Open biopsy of jejunum

Biopsy of lesion of jejunum nec

Biopsy of jejunum nec

G63.2 Incision of jejunum

G63.3 Closure of perforation of jejunum

G63.4 Open intubation of jejunum

G63.8 Other specified

G63.9 Unspecified

**G67 Other operations on jejunum**

G67.1 Intubation of jejunum for decompression of intestine

G67.8 Other specified

G67.9 Unspecified

**G71 Bypass of ileum. Includes: Small intestine nec**

G71.1 Bypass of ileum by anastomosis of jejunum to ileum

G71.2 Bypass of ileum by anastomosis of ileum to ileum

G71.3 Bypass of ileum by anastomosis of ileum to caecum

G71.4 Bypass of ileum by anastomosis of ileum to transverse colon

G71.5 Bypass of ileum by anastomosis of ileum to colon nec

Includes: Bypass of ileum by anastomosis of ileum to rectum

G71.8 Other specified

G71.9 Unspecified

**G73 Attention to connection of ileum. Includes: Small intestine nec**

G73.1 Revision of anastomosis of ileum

G73.2 Closure of anastomosis of ileum

G73.8 Other specified

G73.9 Unspecified

**G75 Attention to artificial opening into ileum**

Includes: Small intestine nec

G75.1 Refashioning of ileostomy

G75.2 Repair of prolapse of ileostomy

G75.3 Closure of ileostomy

G75.4 Dilation of ileostomy

G75.5 Reduction of prolapse of ileostomy

G75.8 Other specified

G75.9 Unspecified

**G82 Other operations on ileum**

Includes: Small intestine nec

G82.2 Intubation of ileum for decompression of intestine

G82.8 Other specified

G82.9 Unspecified

G60.9 Unspecified

**G69 Excision of ileum ( Includes: Small intestine nec)**

G69.1 Ileectomy and anastomosis of stomach to ileum

G69.2 Ileectomy and anastomosis of duodenum to ileum

G69.3 Ileectomy and anastomosis of ileum to ileum

G69.4 Ileectomy and anastomosis of ileum to colon

G69.8 Other specified

G69.9 Unspecified, Includes: Ileectomy nec

**G70 Open extirpation of lesion of ileum**

Includes: Small intestine nec

G70.2 Excision of lesion of ileum nec

G70.3 Open destruction of lesion of ileum

G70.8 Other specified

G70.9 Unspecified

**G72 Other connection of ileum. Includes: Small intestine nec. Excludes: When associated with concurrent excision of ileum (G69)**

G72.1 Anastomosis of ileum to caecum

G72.2 Anastomosis of ileum to transverse colon

G72.3 Anastomosis of ileum to colon nec

G72.4 Anastomosis of ileum to rectum

G72.5 Anastomosis of ileum to anus and creation of pouch hfq- ileo-anal pouch

G72.8 Other specified

G72.9 Unspecified

**G74 Creation of artificial opening into ileum**

Includes: Small intestine nec

G74.1 Creation of continent ileostomy

G74.2 Creation of temporary ileostomy

G74.3 Creation of defunctioning ileostomy

Includes: Creation of split ileostomy

G74.8 Other specified

G74.9 Unspecified

**G78 Other open operations on ileum**

Includes: Small intestine nec

G78.1 Open biopsy of lesion of ileum

Includes: Open biopsy of ileum

Biopsy of lesion of ileum nec

Biopsy of ileum nec

G78.2 Strictureplasty of ileum

G78.4 Closure of perforation of ileum

G78.5 Exclusion of segment of ileum

G78.8 Other specified

G78.9 Unspecified

**H01 Emergency excision of appendix**

H01.1 Emergency excision of abnormal appendix and drainage hfq

H01.2 Emergency excision of abnormal appendix nec

H01.3 Emergency excision of normal appendix

H01.8 Other specified

H01.9 Unspecified

Includes: Emergency appendectomy nec

**H02 Other excision of appendix**

- H02.1 Interval appendicectomy
- H02.2 Planned delayed appendicectomy nec
- H02.3 Prophylactic appendicectomy nec
- H02.4 Incidental appendicectomy  
Includes: Appendicectomy performed during course of other abdominal operation  
Note: Use as secondary code when performed during creation of caecostomy (H14.9)
- H02.8 Other specified
- H02.9 Unspecified  
Includes: Appendicectomy nec

**H05 Total excision of colon**

- H05.1 Total colectomy and anastomosis of ileum to rectum
- H05.2 Total colectomy and ileostomy and creation of rectal fistula hfq
- H05.3 Total colectomy and ileostomy nec
- H05.8 Other specified subtotal excision of colon
- H05.9 Unspecified subtotal excision of colon

**H07 Other excision of right hemicolon**

**Includes: Limited excision of caecum and terminal ileum caecum**

- H07.1 Right hemicolectomy and end to end anastomosis of ileum to colon  
Includes: Ileocaecal resection
- H07.2 Right hemicolectomy and side to side anastomosis of ileum to transverse colon
- H07.3 Right hemicolectomy and anastomosis nec
- H07.4 Right hemicolectomy and ileostomy hfq
- H07.8 Other specified
- H07.9 Unspecified

**H09 Excision of left hemicolon**

- H09.1 Left hemicolectomy and end to end anastomosis of colon to rectum
- H09.2 Left hemicolectomy and end to end anastomosis of colon to colon
- H09.3 Left hemicolectomy and anastomosis nec
- H09.4 Left hemicolectomy and ileostomy hfq
- H09.5 Left hemicolectomy and exteriorisation of bowel nec. Note: Use secondary code for type of exteriorisation of bowel (H14 H15)
- H09.8 Other specified
- H09.9 Unspecified

**H03.1 Drainage of abscess of appendix**

- H03.2 Drainage of appendix nec
- H03.8 Other specified
- H03.9 Unspecified

**H04 Total excision of colon and rectum**

- H04.1 Panproctocolectomy and ileostomy  
Includes: Proctocolectomy nec
- H04.2 Panproctocolectomy and anastomosis of ileum to anus and creation of pouch hfq
- H04.3 Panproctocolectomy and anastomosis of ileum to anus nec
- H04.8 Other specified
- H04.9 Unspecified

**H06 Extended excision of right hemicolon**

Includes: Excision of right colon and other segment of ileum or colon and surrounding tissue. Caecum

- H06.1 Extended right hemicolectomy and end to end anastomosis
- H06.2 Extended right hemicolectomy and anastomosis of ileum to colon
- H06.3 Extended right hemicolectomy and anastomosis nec
- H06.4 Extended right hemicolectomy and ileostomy hfq
- H06.8 Other specified
- H06.9 Unspecified

**H08 Excision of transverse colon**

- H08.1 Transverse colectomy and end to end anastomosis
- H08.2 Transverse colectomy and anastomosis of ileum to colon
- H08.3 Transverse colectomy and anastomosis nec
- H08.4 Transverse colectomy and ileostomy hfq
- H08.5 Transverse colectomy and exteriorisation of bowel nec. Note: Use secondary code for type of exteriorisation of bowel (H14 H15)
- H08.8 Other specified
- H08.9 Unspecified

**H10 Excision of sigmoid colon**

- H10.1 Sigmoid colectomy and end to end anastomosis of ileum to rectum
- H10.2 Sigmoid colectomy and anastomosis of colon to rectum
- H10.3 Sigmoid colectomy and anastomosis nec
- H10.4 Sigmoid colectomy and ileostomy hfq
- H10.5 Sigmoid colectomy and exteriorisation of bowel nec. Note: Use secondary code for type of exteriorisation of bowel (H14 H15)
- H10.8 Other specified
- H10.9 Unspecified

**H11 Other excision of colon****Includes: Excision of colon where segment removed is not stated**

- H11.1 Colectomy and end to end anastomosis of colon to colon nec
- H11.2 Colectomy and side to side anastomosis of ileum to colon nec
- H11.3 Colectomy and anastomosis nec
- H11.4 Colectomy and ileostomy nec
- H11.5 Colectomy and exteriorisation of bowel nec  
Note: Use secondary code for type of exteriorisation of bowel (H14 H15)
- H11.8 Other specified
- H11.9 Unspecified, Includes: Colectomy nec, Hemicolectomy nec

**H14 Exteriorisation of caecum**

- H14.1 Tube caecostomy
- H14.2 Refashioning of caecostomy
- H14.3 Closure of caecostomy
- H14.8 Other specified
- H14.9 Unspecified. Includes: Caecostomy nec

**H16 Incision of colon. Includes: Caecum**

- H16.1 Drainage of colon  
Includes: Drainage of pericolonic tissue
- H16.2 Caecotomy
- H16.3 Colotomy
- H16.8 Other specified
- H16.9 Unspecified

**H30 Other operations on colon**

- H30.8 Other specified
- H30.9 Unspecified

**H33 Excision of rectum. Includes: Excision of whole or part of rectum with or without part of sigmoid colon**

- H33.1 Abdominoperineal excision of rectum and end colostomy
- H33.2 Proctectomy and anastomosis of colon to anus
- H33.3 Anterior resection of rectum and anastomosis of colon to rectum using staples. Includes: Rectosigmoidectomy and anastomosis of colon

**H12 Extirpation of lesion of colon. Includes: Caecum**

- H12.2 Excision of lesion of colon nec
- H12.3 Destruction of lesion of colon nec
- H12.8 Other specified
- H12.9 Unspecified

**H13 Bypass of colon. Includes: Caecum. Excludes: Bypass of colon when associated with excision of colon (H04-H11)**

- H13.1 Bypass of colon by anastomosis of ileum to colon
- H13.2 Bypass of colon by anastomosis of caecum to sigmoid colon
- H13.3 Bypass of colon by anastomosis of transverse colon to sigmoid colon
- H13.4 Bypass of colon by anastomosis of transverse colon to rectum
- H13.5 Bypass of colon by anastomosis of colon to rectum nec
- H13.8 Other specified
- H13.9 Unspecified

**H15 Other exteriorisation of colon**

- H15.1 Loop colostomy
- H15.2 End colostomy
- H15.3 Refashioning of colostomy
- H15.4 Closure of colostomy
- H15.5 Dilation of colostomy
- H15.6 Reduction of prolapse of colostomy
- H15.8 Other specified
- H15.9 Unspecified. Includes: Colostomy nec

**H19 Other open operations on colon. Includes: Caecum. Excludes: Repair of intestinovesical fistula (M37.2)**

- H19.1 Open biopsy of lesion of colon  
Includes: Open biopsy of colon, Biopsy of lesion of colon, Biopsy of colon
- H19.8 Other specified
- H19.9 Unspecified

**H34 Open extirpation of lesion of rectum**

- H34.1 Open excision of lesion of rectum
- H34.2 Open cauterisation of lesion of rectum
- H34.3 Open cryotherapy to lesion of rectum
- H34.4 Open laser destruction of lesion of rectum
- H34.5 Open destruction of lesion of rectum nec
- H34.8 Other specified
- H34.9 Unspecified

**H40 Operations on rectum through anal sphincter**

- H40.1 Transsphincteric excision of mucosa of rectum
- H40.2 Transsphincteric excision of lesion of rectum  
Includes: Transsphincteric biopsy of lesion of rectum. Transsphincteric biopsy of rectum
- H40.3 Transsphincteric destruction of lesion of rectum
- H40.4 Transsphincteric anastomosis of colon to anus
- H40.8 Other specified
- H40.9 Unspecified

- to rectum
- H33.4 Anterior resection of rectum and anastomosis nec
  - H33.5 Rectosigmoidectomy and closure of rectal stump and exteriorisation of bowel. Note: Use secondary code for type of exteriorisation of bowel (G74 H14-H15)
  - H33.6 Anterior resection of rectum and exteriorisation of bowel. Note: Use secondary code for type of exteriorisation of bowel (G74 H14-H15)
  - H33.8 Other specified
  - H33.9 Unspecified. Includes: Rectosigmoidectomy nec

**H46 Other operations on rectum**

- H46.8 Other specified
- H46.9 Unspecified

**H48 Excision of lesion of anus. Includes: Perianal region**

- H48.1 Excision of polyp of anus
- H48.2 Excision of skin tag of anus
- H48.3 Excision of perianal wart
- H48.8 Other specified
- H48.9 Unspecified

**H54 Dilatation of anal sphincter**

- H54.1 Anorectal stretch. Excludes: Forced manual dilatation for haemorrhoid (H53.2)
- H54.8 Other specified
- H54.9 Unspecified

**H56 Other operations on anus**

- H56.1 Biopsy of lesion of anus. Includes: Biopsy of anus
- H56.2 Lateral sphincterotomy of anus
- H56.3 Incision of septum of anus
- H56.4 Excision of anal fissure
- H56.8 Other specified
- H56.9 Unspecified

**H62 Other operations on bowel. Includes: Sigmoid colon, Colon, Rectum**

- H62.1 Laser recanalisation of bowel nec
- H62.2 Mobilisation of bowel nec
- H62.3 Dilatation of bowel nec
- H62.4 Intubation of bowel nec
- H62.5 Irrigation of bowel nec. Includes: Lavage of bowel nec, Washout of bowel nec
- H62.8 Other specified
- H62.9 Unspecified

**H41 Other operations on rectum through anus**

- H41.1 Rectosigmoidectomy and peranal anastomosis
- H41.2 Peranal excision of lesion of rectum. Includes: Peranal biopsy of lesion of rectum, Peranal biopsy of rectum
- H41.3 Peranal destruction of lesion of rectum
- H41.4 Peranal mucosal proctectomy and endoanal anastomosis
- H41.8 Other specified
- H41.9 Unspecified

**H47 Excision of anus**

- H47.1 Excision of sphincter of anus
- H47.8 Other specified
- H47.9 Unspecified

**H49 Destruction of lesion of anus. Includes: Perianal region**

- H49.1 Cauterisation of lesion of anus
- H49.2 Laser destruction of lesion of anus
- H49.3 Cryotherapy to lesion of anus
- H49.8 Other specified
- H49.9 Unspecified

**H55 Other operations on perianal region**

- H55.1 Laying open of low anal fistula
- H55.2 Laying open of high anal fistula
- H55.3 Laying open of anal fistula nec
- H55.4 Insertion of seton into high anal fistula and partial laying open of track hfq
- H55.5 Fistulography of anal fistula
- H55.8 Other specified
- H55.9 Unspecified

**H58 Drainage through perineal region**

- H58.1 Drainage of ischiorectal abscess
- H58.2 Drainage of perianal abscess
- H58.3 Drainage of perirectal abscess
- H58.8 Other specified
- H58.9 Unspecified