

**NED** National Endoscopy  
Database

**NED data set**  
NEDi2/2.1

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Part of the JAG programme at the RCP

**JAG** Joint Advisory Group  
on GI Endoscopy



**Royal College  
of Physicians**



# Contents

Introduction.....	4
Data Points.....	5
Data terms .....	6
Procedure name .....	6
Session type.....	6
Urgency.....	6
Provider organisation .....	6
Provider sector .....	6
Referrer.....	6
Extent.....	6
Therapeutic type.....	7
Indications .....	8
Diagnosis.....	9
Adverse events .....	10
Site .....	10
Discomfort .....	10
Chromendosocpy.....	11
High cancer risk surveillance .....	11
Abnormality on imaging modality .....	11
Limitations .....	11
Bowel prep used .....	11
OGD Mucosal Visualisation.....	11
OGD Mucosal Cleaning .....	12
FIT (Where FIT value not provided).....	12

## Introduction

The National Endoscopy Database (NED) is populated by data extracted automatically from the endoscopy reporting system (ERS) at endoscopy services within the UK.

This document lists data points captured, for each procedure, by the National Endoscopy Database iteration 2/2.1 . All fields are mandatory for the appropriate procedure type unless stated. Not all fields are appropriate for all procedure types.

NED suppliers may opt to collect or send information depending on local agreement where optional.

Text in blue indicates a term only captured by iteration 2.1

## Data Points

- Session information
- Procedure ID
- Procedure name
- Procedure start time
- Procedure end time
- Endoscopist professional body code
- Endoscopist role
- Provider sector
- Referrer
- Provider organisation **(Optional)**
- Checklist completion
- Admission type
- Urgency type
- Artificial intelligence
- Procedure points
- Patient gender
- Patient Age
- Procedure discomfort
- Post procedure discomfort **(Optional)**
- Planned extent
- Extent
- J manoeuvre / Rectal retroversion
- Entonox use
- General anaesthetic use
- Insufflation
- Drugs administered
- Drugs dose *(Pethidine/Midazolam/Fentanyl/ Buscopan/Remimazolam)*
- Propofol use
- Therapy performed
- Indications
- Limitations **(Optional)**
- Biopsy
- Diagnosis
- Adverse events
- Scope used
- Chromendoscopy
- Polyps detected
- Magnetic endoscope imager use
- Scope withdrawal time
- Caecum time
- Digital rectal examination performed
- Insertion technique
- Bowel prep score *(Right/Left/Transverse/Total)*
- Bowel prep used
- Pharyngeal Anaesthetic used
- Antibiotic given
- Successful cannulation **(Optional)**
- Size of Largest stone
- Complete stone clearance
- Extra Hepatic Stricture **(Optional)**
- Previous surgery *(Bilrouth2/Rou-en-Y)*
- Level of Complexity
- Prophylactic Rectal NSAIDS
- Native Papilla
- Pharyngeal anaesthesia
- Scope withdrawal time
- Distal attachment
- OGD route
- Mucosal visualisation
- Mucosal cleaning
- Photo documentation
- Polyps detected
- Digital rectal examination performed
- Magnetic endoscope imager use
- Distal attachment
- Insertion technique
- Bowel prep score *(Right/Left/Transverse/Total)*
- Bowel prep used
- Prophylactic Antibiotics use
- FNA/FNB tissue
- Polyps detected
- Enteroscopy technique
- Depth of insertion
- Tattoo placed **(Optional)**
- Distal attachment
- Digital rectal examination **(Optional)**
- FIT value

## Data terms

### Procedure name

- OGD
- Colonoscopy
- Flexible Sigmoidoscopy
- ERCP
- EUS
- Enteroscopy

### Session type

- Dedicated training list
- Adhoc training list
- Service list

### Urgency

- Emergency
- Routine
- Surveillance
- Urgent (non suspected cancer pathway)
- Urgent (suspected cancer pathway)

### Provider organisation

- Own trust
- Other

### Provider sector

- NHS
- Private

### Referrer

- GP
- Own trust
- Other trust
- BCSP
- Other

### Extent

- Oesophagus
- Stomach
- Duodenum 1<sup>st</sup> Part
- Duodenum 2<sup>nd</sup> Part
- Duodenum 3<sup>rd</sup> Part
- Duodenum 4<sup>th</sup> Part
- Jejunum
- Ileum
- Terminal ileum
- Neo-terminal ileum
- Ileo-colon anastomosis
- Caecum
- Ascending
- Hepatic flexure
- Transverse
- Splenic flexure
- Descending
- Sigmoid
- Rectum
- Anus
- Pouch
- Stoma
- CBD and PD
- Common bile duct
- Pancreatic duct
- Papilla
- Intubation failed
- Abandoned
- Anastomosis

## Therapeutic type

- Balloon dilation
- Balloon trawl
- Band ligation
- Banding of haemorrhoid
- **Bipolar electroagulation**
- Botox injection
- Bougie dilation
- Brush cytology
- Cannulation
- Cholangioscopy – lesion assessment
- Cholangioscopy – visually directed stone therapy
- Clip placement
- Colonic decompression
- Combined (rendezvous) procedure
- Diagnostic cholangiogram
- Diagnostic pancreatogram
- **Diverticulotomy**
- EMR
- ESD
- **Endoclot Spray**
- Endoloop placement
- Endoscopic cyst puncture
- Endoscopic full thickness resection
- EUS-FNA cystic lesion
- EUS-FNA solid lesion
- EUS-FNB solid lesion
- Flatus tube insertion
- Foreign body removal
- Haemostasis
- Heater probe
- **Hemo Spray**
- Hot biopsy
- Injection therapy
- **Insertion of gastric balloon**
- Insertion of nasogastric feeding tube
- Insertion of nasojejunal feeding tube
- Manometry
- Marking / tattooing
- Nasopancreatic / biliary drain
- None
- Other
- Pancolonial dye spray
- PEG change
- PEG placement
- PEG removal
- Polyp – cold biopsy polypectomy
- Polyp – cold biopsy sampling
- Polyp – EMR
- Polyp – ESD
- Polyp – FTR
- Polyp – hot biopsy
- Polyp – not removed
- Polypectomy
- Polyp snare – cold
- Polyp snare – hot
- **Purastat**
- Radio frequency ablation
- Sphincteroplasty
- Sphincterotomy
- Stent change
- Stent change – biliary
- Stent change – pancreatic
- Stent placement
- Stent placement – biliary
- Stent placement – CBD
- Stent placement – pancreatic
- Stent removal
- Stent removal – biliary
- Stent removal – pancreatic
- Stone extraction <10mm
- Stone extraction ≥10mm
- Variceal sclerotherapy
- YAG laser

## Indications

- Abdominal mass
- Abdominal pain
- Abnormal liver enzymes
- Abnormal sigmoidoscopy
- Abnormality on imaging modality
- Achalasia surveillance
- Acute pancreatitis
- Ampullary mass
- Anaemia – other
- [Angioectasia](#)
- Barrett's oesophagus surveillance
- Bile duct injury
- Bile leak
- Biliary lesion on imaging
- Biliary stricture or mass
- Bloating
- [Blood-based multicancer screening](#)
- Bowelscope
- Bowelscope conversion
- [Capsule placement](#)
- Change in bowel habit – fluctuating/variable
- Check endoscopic resection site
- Cholangitis
- Chronic pancreatitis
- Corrosive ingestion
- Decompression
- Diarrhoea
- Dyspepsia
- Dysphagia
- Elevated calprotectin
- FIT positive
- FOB positive
- Food bolus obstruction
- [Foreign body](#)
- Gallbladder mass
- Gallbladder polyp
- Harder or less frequent stool –acute (<6w)
- Harder or less frequent stool – chronic (>6w)
- Haematemesis
- Heartburn / reflux
- Hepatobiliary mass
- High colorectal cancer risk surveillance
- IBD assessment
- IBD surveillance
- [Injection of botulinum](#)
- Intra-abdominal mass
- Iron deficiency anaemia
- Jaundice
- Looser or more frequent stool – acute (<6w)
- Looser or more frequent stool – chronic (>6w)
- Lymphadenopathy
- Mediastinal mass
- Melaena
- [Naso gastric tube insertion](#)
- Nasojejunal tube insertion
- Nausea
- Odynophagia
- [Oesophagitis surveillance](#)
- Other
- Other diagnostic
- Other therapeutic
- Palpable rectal mass
- Pancreatic mass
- Pancreatic pseudocyst or WON
- Pancreatobiliarypain
- Papillary dysfunction
- PEJ placement
- PEG change
- PEG placement
- PEG removal
- Pernicious anaemia
- [Planned dilatation](#)
- Planned polypectomy
- Polypectomy site check
- [Polyp Assessment](#)
- Positive TTG / EMA
- Post polypectomy surveillance
- Post-polypectomy bleed
- PR bleeding – altered blood
- PR bleeding – anorectal
- PR mucus
- Pre-lap choledocholithiasis
- Primary sclerosing cholangitis
- Proximally migrated stent
- Purulent cholangitis
- [Radio frequency ablation](#)
- Reassessment of known malignancy
- Stent change
- Stent dysfunction
- Stent placement
- Stent removal
- [Stricture dilatation](#)
- Sub-epithelial lesion
- Suspected CBD stones
- Suspected chronic pancreatitis
- Suspected gallbladder stones
- Tumour assessment
- Ulcer healing
- Varices surveillance / screening
- Vomiting
- Weight loss

## Diagnosis

- Achalasia
- [Ampullary adenoma](#)
- Anal fissure
- Anastomotic stricture
- Angioectasia
- Barrett's oesophagus
- Biliary fistula/leak
- Biliary occlusion
- Biliary stone(s)
- Biliary stent occlusion
- Biliary stricture
- Carolis disease
  - Cholangiocarcinoma
- Cholangiopathy
- Choledochal cyst
- Colitis – ischemic
- Colitis – pseudomembranous
- Colitis – unspecified
- Colorectal cancer
- Corrosive ingestion burns
- Crohn's colitis
- Crohn's – terminal ileum
- Cystic duct stones
- Dieulafoy lesion
- Diverticulosis
- Duodenal diverticulum
- Duodenal polyp
- Duodenal tumour – benign
- Duodenal tumour – malignant
- Duodenal ulcer
- Duodenitis – erosive
- Duodenitis – non-erosive
- Extrahepatic bile duct stone
- Extrinsic compression
- Fistula
- Focal lesion in Barrett's segment
- Focal lesion in stomach
- Food bolus
- Foreign body
- Gallbladder stones
- Gallbladder tumor
- Gastric atrophy
- Gastric diverticulum
- Gastric fistula
- Gastric foreign body
- Gastric intestinal metaplasia
- Gastric polyp
- Gastric postoperative appearance
- Gastric tumour – benign
- Gastric tumour – malignant
- Gastric tumour – submucosal
- Gastric ulcer
- Gastric varices
- Gastritis – erosive
- Gastritis – non-erosive
- Gastropathy – portal hypertensive
- GAVE
- Haemorrhoids
- Hemobilia
- Hiatus hernia
- Intrahepatic bile duct stone
- IPMN
- IPMT
- Lipoma
- Mallory-Weiss tear
- Melanosis
- Mirizzi syndrome
- Normal
- Oesophageal candidiasis
- Oesophageal diverticulum
- Oesophageal fistula
- Oesophageal foreign body
- Oesophageal inlet patch
- Oesophageal polyp
- Oesophageal stricture – benign
- Oesophageal stricture – malignant
- Oesophageal tumour – benign
- Oesophageal tumour – malignant
- Oesophageal ulcer
- Oesophageal varices
- Oesophagitis – eosinophilic
- Oesophagitis – reflux
- Other
- Pancreas annulare
- Pancreas divisum
- Pancreatic cyst
- Pancreatic duct fistula/leak
- Pancreatic duct injury
- Pancreatic duct stricture
- Pancreatic pseudocyst/WON
- Pancreatic stent occlusion
- Pancreatic stone
- Pancreatic tumor
- Pancreatitis – acute
- Pancreatitis – chronic
- Papillary stenosis
- Papillary tumor
- Parasites
- [PEG in situ](#)
- Pharyngeal pouch
- Pneumatosis coli
- Polyp
- Polyposis syndrome
- Postoperative appearance
- [Previous ESD scar](#)
- Primary sclerosing cholangitis
- Proctitis
- Proximally migrated biliary stent
- Proximally migrated pancreatic stent
- [Pouchitis](#)
- [Radiation proctopathy](#)
- Rectal ulcer
- Scar
- Schatzki ring
- [Stent in situ](#)
- [Stent occlusion](#)
- Stricture – inflammatory
- Stricture – malignant
- Stricture – postoperative
- Submucosal lesion
- Suppurative cholangitis
- Ulcerative colitis
- [Varices](#)
- [Volvulus](#)

### Adverse events

- |   |   |  |
|---|---|--|
| <ul style="list-style-type: none"> <li>• Bleeding</li> <li>• Blood transfusion</li> <li>• Cardiovascular dysrhythmia, cardiac arrest, MI, cerebrovascular event</li> <li>• Consent signed in room</li> <li>• Death</li> <li>• Drug reaction</li> <li>• Flumazenil</li> <li>• Haemoglobin fall <math>\geq 2g</math></li> <li>• Hypotension BP <math>&lt;90/50</math></li> <li>• Infection PUO, transmission of pathogen</li> </ul> | <ul style="list-style-type: none"> <li>• ITU admission <math>&gt;1</math> night</li> <li>• Naloxone</li> <li>• None</li> <li>• O2 desaturation sats <math>&lt; 85\%</math></li> <li>• Other</li> <li>• Pancreatitis</li> <li>• Perforation</li> <li>• Permanent disability</li> <li>• Pulmonary laryngospasm, bronchospasm, pneumonia, pneumonitis</li> <li>• Thromboembolic DVT, PE</li> </ul> | <ul style="list-style-type: none"> <li>• Unplanned admission <math>&gt;10</math> nights</li> <li>• Unplanned admission <math>\leq 3</math> nights</li> <li>• Unplanned admission 4-10 nights</li> <li>• Unplanned intervention endoscopic or radiological</li> <li>• Unplanned post procedure medical consultation</li> <li>• Unplanned surgery</li> <li>• Unsupervised trainee</li> <li>• Ventilation</li> <li>• Withdrawal of consent</li> </ul> |
|---|---|--|

### Site

- |  |  |   |
|--|--|---|
| <ul style="list-style-type: none"> <li>• Duodenum 1<sup>st</sup> part</li> <li>• Duodenum 2<sup>nd</sup> part</li> <li>• Duodenum 3<sup>rd</sup> part</li> <li>• Duodenum 4<sup>th</sup> part</li> <li>• Fundus</li> <li>• Gastro-oesophageal junction</li> <li>• Ileum</li> <li>• Incisura</li> <li>• Jejunum</li> <li>• Lower oesophagus</li> <li>• Mid oesophagus</li> <li>• Oesophagus</li> <li>• Prepyloric region – general</li> <li>• Prepylorus – anterior wall</li> <li>• Prepylorus – greater curvature</li> <li>• Prepylorus – lesser curvature</li> <li>• Prepylorus – posterior wall</li> <li>• Pylorus</li> <li>• Stomach</li> <li>• Upper oesophagus</li> </ul> | <ul style="list-style-type: none"> <li>• Ampulla</li> <li>• Common bile duct</li> <li>• Common hepatic duct</li> <li>• Cystic duct</li> <li>• Gallbladder</li> <li>• Intrahepatic duct</li> <li>• Pancreas</li> <li>• Pancreatic Duct</li> <li>• Antrum – anterior wall</li> <li>• Antrum – general</li> <li>• Antrum – greater curvature</li> <li>• Antrum – lesser curvature</li> <li>• Antrum – posterior wall</li> <li>• Body – anterior wall</li> <li>• Body – general</li> <li>• Body – greater curvature</li> <li>• Body – lesser curvature</li> <li>• Body – posterior wall</li> <li>• Cardia within 2cm of GOJ</li> <li>• Duodenum</li> </ul> | <ul style="list-style-type: none"> <li>• None</li> <li>• Anastomosis</li> <li>• Anus</li> <li>• Ascending</li> <li>• Caecum</li> <li>• Colon</li> <li>• Colonic biopsy series</li> <li>• Descending</li> <li>• Hepatic flexure</li> <li>• Ileocaecal valve</li> <li>• Neo-terminal ileum</li> <li>• Pouch</li> <li>• Rectum</li> <li>• Sigmoid</li> <li>• Splenic flexure</li> <li>• Stoma</li> <li>• Terminal ileum</li> <li>• Transverse</li> </ul> |
|--|--|---|

### Discomfort

- |  |   |  |
|--|---|--|
| <ul style="list-style-type: none"> <li>• Not specified</li> <li>• No discomfort</li> </ul> | <ul style="list-style-type: none"> <li>• Minimal</li> <li>• Mild</li> </ul> | <ul style="list-style-type: none"> <li>• Moderate</li> <li>• Severe</li> </ul> |
|--|---|--|

### Chromendosocpy

- Acetic Acid
- Image enhancement technology NBI blue light technology
- Indigocarmine
- Lugol's iodine
- Methylene blue
- Other
- None

### High cancer risk surveillance

- >10 colorectal adenomas
- Acromegaly
- Atrophic gastritis
- Colorectal cancer follow up
- Early Onset Colorectal Cancer
- Familial pancreatic cancer
- Family History of Colorectal cancer
- Family history of gastric cancer
- Family history of serrated polyposis syndrome
- FAP
- Gastric intestinal metaplasia
- Hereditary diffuse gastric cancer
- Juvenile polyposis syndrome
- Lynch-like syndrome
- MUTYH associated polyposis
- Neuroendocrine tumour
- Other
- Peutz-Jeghers syndrome
- Previous colonic polypectomy
- Serrated polyposis syndrome
- Lynch syndrome

### Abnormality on imaging modality

- Abnormality on contrast examination
- Abnormality on CT
- Abnormality on USS
- Abnormality on small bowel capsule
- Abnormality on MRI
- Abnormality on PET
- Abnormality on colon capsule
- Abnormality on cytosponge
- Abnormality on oesophageal capsule

### Limitations

- Benign stricture
- Clinical intention achieved
- Endoscope or technical issues
- Excess blood
- Inadequate bowel prep
- Malignant stricture
- Not limited
- Other
- Patient discomfort
- Severe colitis
- Unresolved loop

### Bowel prep used

- Citrafleet
- Citramag
- Citraprep
- Kleanprep
- Moviprep
- Other
- Phosphate enema
- Picolax
- Plenvue
- No preparation

### OGD Mucosal Visualisation

- Excellent views of all areas
- Examination was curtailed
- Satisfactory views obtained
- Poor views of some areas

### OGD Mucosal Cleaning

- None
- N-acetylcysteine
- Water
- Other
- Simethicone

### FIT (Where FIT value not provided)

- FIT not done
- FIT done, result awaited/unknown
- FIT (qualitative) positive
- FIT (qualitative) negative
- FIT carried out through Bowel Cancer Screening Programme

Further information regarding this report may be obtained from the JAG office at the Royal College of Physicians.

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