

## Morbidity Audit Logbook Tool (MALT) list of fields and values

This dataset matches that recommended for audit in the RACS 'Surgical Audit and Peer Review Guide'

\* These fields can be made Mandatory or Optional by a MALT System Administrator, for each logbook type.

\*\* These fields are Mandatory for all cases

Field Name	Type	Values
<b>Case Details: Minimum Dataset</b>		
First name*	Text	Free text
Last name*	Text	Free text
URN/NHI*	Text	Free text patient identifier from hospital medical record
Date of birth*	Date field	
Age*	Number (automatic)	Field is auto-calculated if the Date of Birth field is populated. Alternately, an age can be entered as free text.
Hospital name**	Drop down Single select	User pre-selects the hospitals they wish to be available for this data point, from a full list of all Australian and New Zealand hospitals available in their Account screen. Optionally, a default hospital can be setup also. (Some overseas hospitals are available and additional ones can be added by a MALT System Administrator on request.)
Unit/Clinic	Drop down Single select	User pre-selects the hospital surgical unit or private clinic from a list populated by the MALT System Administrator. Additional values can be set up on request.
Rotation Period**	Drop down Single select	Field used by Surgical Trainees, International Medical Graduates and Fellows subspecialising to define the reporting periods for their training/assessment program.  Values are defined by the MALT System Administrator and differ specialty to specialty, country to country and state to state.
SET Level	Drop down Single select	Used by Surgical Trainees only. If applicable, a default SET level can be set up by the User in their Account settings.
PGY Level	Drop down Single select	Used by JDocs only. If applicable, a default PGY level can be set up by the User in their Account settings.
Procedure date**	Date field	
Supervisor	Read only field	Displays supervisor name as set up by the user in their Account settings. The full list of supervisor names is sourced from the College membership database.
Alternate approver*	Type ahead Single select	Select from the list that has been set up by the user in their Account settings. The full list of supervisor names is sourced from the College membership database.

### Case Details: Expanded Dataset

Updated September 2020

Case Details: Expanded Dataset		
Start Time (theatre record)	Time field	
End time	Time field	
Duration	Number (automatic)	(hours and minutes) Field is calculated on Start/End time fields
Gender	Drop down Single select	Male Female
Ethnicity	Drop down with type-ahead search. Multi-pick.	Australian Australian - Australian Aboriginal Australian - Australian South Sea Islander New Zealander New Zealander - Maori Melanesian and Papuan Melanesian and Papuan - New Caledonia Melanesian and Papuan - Ni-Vanuatu Melanesian and Papuan - Papua New Guinean Melanesian and Papuan - Solomon Islander Micronesian Micronesian - I-Kiribati Micronesian - Nauruan Polynesian Polynesian - Cook Islander Polynesian - Niuean Polynesian - Samoan Polynesian - Tongan Polynesian - Hawaiian Polynesian - Tahitian Polynesian - Tokelauan Polynesian - Tuvaluan Polynesian - French Polynesian British British - English British - Scottish British - Welsh British - Channel Islander British - Manx British - Falkland Islander Irish Western European Western European - Austrian Western European - Dutch Western European - Flemish Western European - French

Case Details: Expanded Dataset

Western European - German  
 Western European - Swiss  
 Western European - Belgian  
 Western European - Frisian  
 Western European - Luxembourg  
 Northern European  
 Northern European - Danish  
 Northern European - Finnish  
 Northern European - Icelandic  
 Northern European - Norwegian  
 Northern European - Swedish  
 Northern European - Greenlandic  
 Southern European  
 Southern European - Basque  
 Southern European - Catalan  
 Southern European - Italian  
 Southern European - Maltese  
 Southern European - Portuguese  
 Southern European - Spanish  
 Southern European - Gibraltarian  
 South Eastern Europe  
 South Eastern Europe - Albanian  
 South Eastern Europe - Bosnian  
 South Eastern Europe - Bulgarian  
 South Eastern Europe - Croatian  
 South Eastern Europe - Greek  
 South Eastern Europe - Macedonian  
 South Eastern Europe - Moldovan  
 South Eastern Europe - Montenegrin  
 South Eastern Europe - Romanian  
 South Eastern Europe - Roma/Gypsy  
 South Eastern Europe - Serbian  
 South Eastern Europe - Slovene  
 South Eastern Europe - Cypriot  
 South Eastern Europe - Vlach  
 Eastern European  
 Eastern European - Belarusian  
 Eastern European - Czech  
 Eastern European - Estonian  
 Eastern European - Hungarian  
 Eastern European - Latvian  
 Eastern European - Lithuanian  
 Eastern European - Polish  
 Eastern European - Russian

Case Details: Expanded Dataset

Eastern European - Slovak  
 Eastern European - Ukrainian  
 Eastern European - Sorb/Wend  
 Arab  
 Arab - Algerian  
 Arab - Egyptian  
 Arab - Iraqi  
 Arab - Jordanian  
 Arab - Kuwaiti  
 Arab - Lebanese  
 Arab - Libyan  
 Arab - Moroccan  
 Arab - Palestinian  
 Arab - Saudi Arabian  
 Arab - Syrian  
 Arab - Tunisian  
 Arab - Yemeni  
 Arab - Baggara  
 Arab - Bedouin  
 Arab - Omani  
 Jewish  
 Other North African and Middle Eastern  
 Other North African and Middle Eastern - Assyrian/Chaldean  
 Other North African and Middle Eastern - Berber  
 Other North African and Middle Eastern - Coptic  
 Other North African and Middle Eastern - Iranian  
 Other North African and Middle Eastern - Kurdish  
 Other North African and Middle Eastern - Sudanese  
 Other North African and Middle Eastern - Turkish  
 Other North African and Middle Eastern - Nubian  
 South-East Asian  
 South-East Asian - Anglo-Burmese  
 South-East Asian - Burmese  
 South-East Asian - Hmong  
 South-East Asian - Khmer  
 South-East Asian - Lao  
 South-East Asian - Thai  
 South-East Asian - Vietnamese  
 South-East Asian - Karen  
 South-East Asian - Mon  
 South-East Asian - Filipino  
 South-East Asian - Indonesian  
 South-East Asian - Javanese  
 South-East Asian - Madurese

Case Details: Expanded Dataset

South-East Asian - Malay  
 South-East Asian - Sudanese  
 South-East Asian - Timorese  
 South-East Asian - Acehnese  
 South-East Asian - Balinese  
 South-East Asian - Bruneian  
 South-East Asian - Kadazan  
 South-East Asian - Singaporean  
 South-East Asian - Temoq  
 South-East Asian - Irian Jayan  
 South-East Asian - Sumatran  
 Chinese Asian  
 Chinese Asian - Chinese  
 Other North-East Asian  
 Other North-East Asian - Japanese  
 Other North-East Asian - Korean  
 Other North-East Asian - Mongolian  
 Other North-East Asian - Tibetan  
 Southern Asian  
 Southern Asian - Anglo-Indian  
 Southern Asian - Bengali  
 Southern Asian - Burgher  
 Southern Asian - Gujarati  
 Southern Asian - Indian  
 Southern Asian - Malayali  
 Southern Asian - Nepalese  
 Southern Asian - Pakistani  
 Southern Asian - Punjabi  
 Southern Asian - Sikh  
 Southern Asian - Sinhalese  
 Southern Asian - Tamil  
 Southern Asian - Maldivian  
 Central Asian  
 Central Asian - Afghan  
 Central Asian - Armenian  
 Central Asian - Georgian  
 Central Asian - Kazakh  
 Central Asian - Pathan  
 Central Asian - Uzbek  
 Central Asian - Azeri  
 Central Asian - Hazara  
 Central Asian - Tajik  
 Central Asian - Tatar  
 Central Asian - Turkmen

Case Details: Expanded Dataset

Central Asian - Uighur  
 Central Asian - Chechen  
 North American  
 North American - African American  
 North American - American  
 North American - Canadian  
 North American - French Canadian  
 North American - Hispanic  
 North American - Native North American Indian  
 North American - Bermudan  
 South American  
 South American - Argentinian  
 South American - Bolivian  
 South American - Brazilian  
 South American - Chilean  
 South American - Colombian  
 South American - Ecuadorian  
 South American - Guyanese  
 South American - Peruvian  
 South American - Uruguayan  
 South American - Venezuelan  
 South American - Paraguayan  
 Central American  
 Central American - Mexican  
 Central American - Nicaraguan  
 Central American - Salvadoran  
 Central American - Costa Rican  
 Central American - Guatemalan  
 Central American - Mayan  
 Central American - Honduran  
 Central American - Panamanian  
 Caribbean Islander  
 Caribbean Islander - Cuban  
 Caribbean Islander - Jamaican  
 Caribbean Islander - Trinidadian (Tobagonian)  
 Caribbean Islander - Barbadian  
 Caribbean Islander - Puerto Rican  
 Caribbean Islander - Bahamian  
 Caribbean Islander - Grenadian  
 Caribbean Islander - Haitian  
 Central and West African  
 Central and West African - Akan  
 Central and West African - Ghanaian  
 Central and West African - Nigerian

### Case Details: Expanded Dataset

		Central and West African - Yoruba Central and West African - Ivorian Central and West African - Liberian Central and West African - Sierra Leonean Central and West African - Kongo Southern and East African Southern and East African - Afrikaner Southern and East African - Angolan Southern and East African - Eritrean Southern and East African - Ethiopian Southern and East African - Kenyan Southern and East African - Malawian Southern and East African - Mauritian Southern and East African - Mozambican Southern and East African - Oromo Southern and East African - Seychellois Southern and East African - Somali Southern and East African - South African Southern and East African - Tanzanian Southern and East African - Ugandan Southern and East African - Zambian Southern and East African – Zimbabwean Southern and East African - Amhara Southern and East African - Batswana Southern and East African - Dinka Southern and East African - Hutu Southern and East African - Masai Southern and East African - Nuer Southern and East African - Tigrayan Southern and East African - Tigre Southern and East African - Zulu Southern and East African - Namibian Other Unknown
Admission Date	Date field	
Admission Category	Drop down Single select	Elective Emergency Day case Unplanned readmission < 28 Days Non-Admitted
Unplanned Readmission	Drop down Single select	No Yes – Pain Yes – Bleeding

Case Details: Expanded Dataset		
		Yes – Electrolyte imbalance Yes – Infection Yes – Pulmonary embolism Yes – Intra-abdominal collection Yes – Organ failure Yes – Other causes
Funding Type	Drop down Single select	Private – ACC funded (NZ) Private – funded (NZ) Private – health insurance funded Private – self funded Public Traffic (Aus) Veteran (Aus) Workcover (Aus)
Diagnosis Date	Date field	
Pre-management Diagnosis	Type ahead Multi-pick	Terms from the <a href="#">SNOMED</a> Problem/Diagnoses Reference Set maintained by <a href="#">ADHA</a>
Recognised co-morbidities (based on extracts from the Elixhauser and Charlson systems)	Drop down Multi pick	Acquired brain injury AF Alcohol abuse Alzheimer's disease Anaemia - blood loss Anaemia – deficiency Angina pectoris Anxiety Associated syndrome Asthma Benign prostatic hypertrophy Birthweight < 1000 grams Bleeding disorder – VWF, Haemophilia, thrombocytopaenia CABG Cancer - lymphoma Cancer - metastatic Cancer - solid tumour without metastasis Cardiac arrhythmia Chollithiasis Chronic pulmonary disease COAD Coagulopathy Congenital heart disease Congestive heart failure Connective tissue disorder



Case Details: Expanded Dataset

Current smoker  
 CVA/TIA  
 Dementia  
 Depression  
 Diabetes (complicated)  
 Diabetes (uncomplicated)  
 Diabetes – IDDM  
 Diabetes - NIDDM  
 Drug abuse  
 Epilepsy  
 Ex-smoker  
 Extreme prematurity <28/40  
 Fluid and electrolyte disorders  
 Gallstone pancreatitis  
 Gout  
 GORD  
 Gynaecological malignancy  
 Haemodialysis  
 Hepatic Disease  
 HIV/AIDS  
 Hypercholesterolemia  
 Hyperlipidaemia  
 Hypertension (complicated or uncomplicated)  
 Hyperthyroidism  
 Hypothyroidism  
 Inflammatory arthropathy  
 Intellectual impairment  
 Ischaemic heart disease  
 MI - previous (>30days)  
 MI - recent (<30days)  
 Obesity (BMI >32)  
 Osteoarthritis  
 Osteoporosis  
 Other  
 Other neurological disorders  
 Paralysis  
 Parkinson's disease  
 Peptic ulcer disease excluding bleeding  
 Peripheral vascular disorders  
 Permanent pacemaker  
 Prematurity  
 Previous DVT/PE  
 Previous lower abdominal surgery  
 Previous pelvic surgery

### Case Details: Expanded Dataset

		<p>Psoriasis</p> <p>Psychosis</p> <p>Pulmonary circulatory disorders</p> <p>Renal failure</p> <p>Rheumatoid arthritis/collagen vascular diseases</p> <p>Schizophrenia</p> <p>Steroid therapy</p> <p>Valvular heart disease</p> <p>Warfarin therapy</p> <p>Weight loss</p>
ASA Grade	Drop down Single-select	<p>I - Normal Healthy Patient</p> <p>II - Mild Systemic Disease</p> <p>III - Severe Systemic Disease</p> <p>IV - Severe Systemic disease that is a constant threat to life</p> <p>V - Moribund patient who is not expected to survive without operation</p> <p>VI - A declared brain-dead patient whose organs are being removed for donor purposes</p>
Wound Infection Risk	Drop down Single-select	<p>Clean</p> <p>Clean/contaminated</p> <p>Contaminated</p> <p>Dirty</p> <p>Other</p> <p>N/A</p>
Type of Anaesthetic	Drop down Multi-pick	<p>Epidural</p> <p>General</p> <p>Local</p> <p>Regional block</p> <p>Sedation</p> <p>Spinal</p>
Prophylaxis	Drop down Multi-pick	<p>Antibiotics</p> <p>DVT prevention</p>
Final diagnosis	Type ahead Multi-pick	Terms from the <a href="#">SNOMED</a> Problem/Diagnoses Reference Set maintained by <a href="#">ADHA</a>
Pathological Diagnosis	Type ahead Multi-pick	Terms from the <a href="#">SNOMED</a> Problem/Diagnoses Reference Set maintained by <a href="#">ADHA</a>

Case Details: Expanded Dataset		
Unplanned ICU Admission	Drop down Single select	No Yes – Localised sepsis (wound) Yes – Generalised sepsis Yes – Pneumonia Yes – Renal failure Yes – Arrhythmia Yes – Myocardial infarction Yes – Other cause Yes – Pulmonary embolism
Return to Theatre	Drop down	No Yes – Bleeding Yes – Collection Yes – CSF Leak Yes – Wound sepsis Yes – Other organ/structure injury Yes – Wound dehiscence Yes – Other cause
Discharge Date	Date field	
Outcome	Drop down Single select	Died Discharged home Discharged for care or respite Transferred for more complex care Absconded/took own discharge Referred to other services
Mortality Classification	Drop down Single select  [Only available if Admission Outcome = Died]	Death due to complications of comorbidities Death due to complications of surgery Possibly preventable death Unavoidable death with one or more substandard factors in care Unavoidable expected death
Recurrence date	Date field	
Discussed at MDM	Drop down Single select	Yes No
Comments	Text	Free Text, multiple values allowed

**Procedural Minimum Dataset: All Procedures**

<p>Procedure Name [multiple procedures can be entered against a single case]</p>	<p>Type ahead Single select</p>	<p><u>SNOMED Logbooks:</u> Type ahead will search the synonyms and name from the MALT SNOMED Surgical Reference Set.  Users can also have additional procedures added on request by contacting the MALT Help Desk.</p>
<p>Non-operative management [multiple instances of non-operative management can be entered against a single case]</p>	<p>Type ahead Single select</p>	<p><u>SNOMED Logbooks:</u> Type ahead will search the terms and synonyms in the SNOMED Problem/Diagnosis Reference Set.</p>
<p>Level of supervision</p>	<p>Drop down</p>	<p>List of supervision levels for the logbook type:</p> <p><b><u>ALL Fellows:</u></b> Primary Surgeon – PS Assisting (scrubbed) – AS Observing (not scrubbed) – ONS Available – A</p> <p><b><u>SIMGs:</u></b></p> <p><b>Cardiothoracic Surgery</b> Assisted – B First Assistant – C Unassisted - A</p> <p><b>General Surgery</b> Partial Primary Operator - PPO Surgeon Mentor in Theatre – S2 Surgeon Mentor Available – S3 Assisting Surgeon Mentor – A1 Assisting Senior Registrar – A2</p> <p><b>Neurosurgery</b> Primary Surgeon – PS Secondary Surgeon – SS Assistant Surgeon – AS</p> <p><b>Orthopaedic Surgery</b> Surgeon Independent – SI Surgeon Supervised – SS Assistant - A</p> <p><b>Otolaryngology Head &amp; Neck Surgery</b> Supervisor in theatre not scrubbed – S2 Supervisor scrubbed in theatre – S1 Supervisor on call – S3 Assist/Observe senior surgeon - AO</p> <p><b>Paediatric Surgery</b> Assistant – A Observer – O Primary Surgeon, Trainer Available – P Primary Surgeon, Training Junior Trainee – T Supervised Surgeon, Trainer in OT – STU</p>

Procedural Minimum Dataset: All Procedures

Supervised Surgeon, Trainer Scrubbed - STS

**Plastic Surgery**

Surgeon alone – SA  
Mentor available – MA  
Mentor scrubbed – MS  
Assistant - A

**Urology**

Open Primary Surgeon – OPS  
Open Secondary Surgeon – OSS  
Open Assistant Surgeon – OAS

**Vascular Surgery**

Primary - P  
Assistant – A  
Assisting Trainees - AT

**SETs:**

**Cardiothoracic Surgery**

Trainee Unassisted – A  
Trainee Assisted – B  
Trainee First Assistant - C

**General Surgery**

Surgeon Mentor Scrubbed – S1  
Surgeon Mentor in Theatre – S2  
Surgeon Mentor Available – S3  
Partial Primary Operator - PPO  
Assisting Surgeon Mentor – A1  
Assisting Senior Registrar – A2

**Neurosurgery**

Primary Surgeon – PS  
Secondary Surgeon – SS  
Assistant Surgeon – AS

**Orthopaedic Surgery (Aus)**

Surgeon Independent – SI  
Surgeon Supervised – SS  
Assistant - A

**Orthopaedic Surgery ( NZ)**

Assistant – A  
Supervised – S  
Unsupervised – U  
Observed – O

**Otolaryngology Head & Neck Surgery**

Supervisor in theatre not scrubbed – S2  
Supervisor scrubbed in theatre – S1  
Supervisor on call – S3  
Assist/Observe senior surgeon - AO

**Paediatric Surgery**

Primary Surgeon, Training Junior Trainee – T  
Supervised Surgeon, Trainer in OT – STU  
Primary Surgeon, Trainer Available – P

**Procedural Minimum Dataset: All Procedures**

Supervised Surgeon, Trainer Scrubbed – STS  
Assistant – A  
Observer – O

**Paediatric-General Surgery SET2&3**

Assistant – A  
Observer – O  
Primary Surgeon, Trainer Available – P  
Primary Surgeon, training junior trainee – T  
Supervised Surgeon, Trainer in OT – STU  
Supervised Surgeon, Trainer Scrubbed - STS

**Plastic Surgery (Aus.)**

Surgeon Alone – SA  
Mentor Available – MA  
Mentor Scrubbed – MS  
Assistant – A

**Plastic Surgery (NZ)**

Surgeon Alone – SA  
Mentor Available – MA  
Mentor Scrubbed – MS  
Assistant – A

**Urology**

Open Primary Surgeon – OPS  
Open Secondary Surgeon – OSS  
Open Assistant Surgeon – OAS

**Vascular Surgery**

Primary Surgeon– P  
Assistant – A

**ANZTBCRS**

Surgeon Mentor Scrubbed – S1  
Surgeon Mentor in Theatre – S2  
Surgeon Mentor Available – S3  
Surgeon Supervising Registrar – S4  
Assistant Surgeon – S5

**Gastric & Oesophageal Surgery**

Surgeon Mentor Scrubbed – S1  
Surgeon Mentor in Theatre – S2  
Surgeon Mentor Available – S3  
Assisting Surgeon Mentor – A1  
Supervising Junior Surgeon – SJ

**Hepatic, Pancreatic & Biliary Surgery**

Surgeon Mentor Scrubbed – S1  
Surgeon Mentor in Theatre – S2  
Surgeon Mentor Available – S3  
Assisting Surgeon Mentor – A1  
Supervising Junior Surgeon – SJ

**J-Docs**

Independent -1  
Supervised – 2  
1st Assistant – 3  
2nd Assistant – 4  
Observed - 5

### Procedural Minimum Dataset: All Procedures

		<p><b>Global Health</b> Primary Surgeon – PS Assisting (scrubbed) – AS Observing (not scrubbed) – ONS Available - A</p> <p><b>Affiliate Logbook</b> Primary Surgeon – PS Assisting (scrubbed) – AS Observing (not scrubbed) – ONS Available – A Surgeon Supervising – SS</p> <p><b>BreastSurgANZ</b> Primary Surgeon – PS Assisting Surgeon – AS</p> <p><b>Maintenance of Professional Standards (MoPs)</b> Primary Surgeon – PS Assisting (scrubbed) – AS Observing (not scrubbed) – ONS Available – A</p>
Outcome (non-operative procedures only)	Drop down Single select	Died Discharged home Transferred to another service Transferred to another hospital

### Procedural Expanded Dataset: All Procedures

Magnitude	Drop down Single select	Complex Intermediate Major Minor
Urgency	Drop down Single select	Elective Emergency Planned Day Case Unplanned readmission Urgent
Complications	Drop down Single select	Abandoned TURP Abdominal Pain Abdominal/pelvis collection Acute Brain Syndrome Acute Renal Impairment Aesthetic major Aesthetic minor Anaemia Anaesthetic complication Anastomotic leak Anastomotic Leak (bowel) Anastomotic Leak (ureteroileal) Anastomotic revision Arrhythmia Atrial Fibrillation Avulsed ureter Bile duct - retained stone

Procedural Minimum Dataset: All Procedures

Bile duct injury  
 Bile leak requiring intervention  
 Bile leak settling spontaneously  
 Bladder Wall Perforation extraperitoneal vs transperitoneal  
 Bleeding - Haematoma  
 Bleeding - Postoperative Haemorrhage  
 Bleeding - Requiring intervention or hospitalisation  
 Bleeding requiring haemostatic therapy  
 Blocked / Dislodged SPC (requiring operation)  
 Blood Transfusion  
 Bowel Obstruction Requiring Surgery  
 Cardio-respiratory instability  
 Cardiovascular - Cardiac Arrest  
 Cardiovascular - CVA / TIA  
 Cardiovascular - Myocardial Infarction  
 Cardiovascular - Myocardial Ischaemia  
 Cardiovascular - Stroke  
 Chest Infection  
 Clinical anastomotic leak  
 Compartment syndrome  
 Confusion Episode  
 Conversion to Laparotomy  
 CSF  
 CVA  
 Damage to other viscus  
 Dehydration - IV rehydration  
 Diabetes Mellitus (exacerbation)  
 Diarrhoea - antibiotic related  
 Diarrhoea - infective  
 Dislocation  
 Dural Tear  
 Electrolyte imbalance  
 Enterocolitis  
 Enterocutaneous fistula  
 Epilepsy  
 Exacerbation arthritis / gout  
 Exacerbation of Dementia  
 Failed Embolisation  
 Failed PUJ repair Open  
 Failed stone removal  
 Failed Trial of Void  
 False Urethral Passage  
 Fat necrosis  
 Fistula  
 Fixation failure  
 Flap failure complete  
 Flap failure partial  
 Fractured stent  
 General - Adverse Drug Reaction  
 General - Confusion  
 General - Death  
 General - Fall  
 General - Fall with fracture



Procedural Minimum Dataset: All Procedures

General - Fever requiring hospitalisation for IV antibiotics  
 General - Unplanned return to theatre  
 Genitourinary - UTI requiring further antibiotics but not IV  
 Graft failure complete  
 Graft failure partial  
 Haematuria - postoperative clot retention  
 Haemorrhage - return to theatre  
 Haemorrhage - transfusion required  
 Hepatobiliary (Bile leak, cholecystitis etc.)  
 Hernia  
 Hydronephrosis - nephrostomy / stent  
 Hypospadias fistula  
 Ileus / Bowel Obstruction (conservative)  
 Implant failure / extrusion  
 Infection - Abscess (not wound infection)  
 Infection - Cannula site  
 Infection - Clinically significant local  
 Infection - MRSA  
 Infection - VRE  
 Intra-abdominal abscess  
 Intraoperative fracture  
 Intussusception perforation  
 Intussusception recurrence  
 Laparoscopic Conversion to Open - Adhesions  
 Laparoscopic Conversion to Open - Failure to progress  
 Laparoscopic Conversion to Open - Organ Injury  
 Laparoscopic Conversion to Open - Vascular Injury  
 Laparoscopic Intraoperative complication (other)  
 Lymphatic system (chyle leak etc.)  
 Lymphocoele  
 Major organ dysfunction - Acute renal failure  
 Major organ dysfunction - ARDS  
 Major organ dysfunction - Cholestatic jaundice  
 Major organ dysfunction - Hepatic failure  
 Major organ dysfunction - Multi-organ  
 Major organ dysfunction - Shock or hypotension requiring inotropic support  
 Malunion  
 Metabolic / Electrolyte imbalance  
 Nausea / Vomiting  
 Neobladder prolonged leak  
 Nephrostomy - blocked  
 Nephrostomy - dislodged  
 Nerve injury  
 Neurological deficit  
 Neuropraxia / pressure area  
 Nipple Necrosis  
 Non union  
 None  
 Obturator Nerve Injury  
 Other  
 Pain Syndrome  
 Pancreatic Abscess

Procedural Minimum Dataset: All Procedures

Pancreatitis  
 PCNL Adjacent organ injury (eg colon)  
 PCNL Damage to Kidney requiring prolonged drainage  
 PCNL Embolisation  
 PCNL Haemorrhage requiring transfusion  
 PCNL Prolonged haematuria  
 Perforation  
 Peripheral vascular disease  
 Pleural effusion  
 Pneumothorax (chest drain)  
 Postoperative atelectasis  
 Postoperative Corr Calcium less than 2.0mmol/L  
 Postoperative fever >48hrs  
 Postoperative Haematoma  
 Postoperative Haematoma - Conservative  
 Postoperative Haematoma - Conservative Drainage (open or percutaneous)  
 Post-operative haemorrhage  
 Postoperative ileus  
 Post-operative intra-abdominal infection  
 Postoperative pain requiring referral to pain clinic  
 Postoperative Pain requiring stent insertion  
 Postoperative Urinoma - Conservative  
 Postoperative Urinoma Drainage (open/percutaneous)  
 Post-operative wound infection  
 Pressure sores  
 Procedure abandoned  
 Prolonged length of stay  
 Pseudo obstruction  
 Pseudocyst  
 Pulmonary Embolus  
 Pyloromyotomy perforation  
 Radiological anastomotic leak  
 Rectal Injury - oversewn  
 Rectal Injury - stoma and reoperation  
 Renal Failure Requiring Dialysis  
 Reoperation unplanned  
 Respiratory - Pneumonia  
 Respiratory Failure  
 Retained Stent  
 Retention of urine  
 Sepsis - Bacteraemia/septicaemia  
 Sepsis - Endocarditis  
 Sepsis - Line related  
 Sepsis - Septic shock  
 Septacemia  
 Seroma  
 Sinus  
 Small bowel obstruction  
 Splenectomy  
 Stent / Nephrostomy - dislodged  
 Stent syndrome/stent removal  
 Subphrenic abscess

Procedural Minimum Dataset: All Procedures

		<p>Superficial wound dehiscence</p> <p>Temporary recurrent laryngeal nerve palsy</p> <p>Tendon rupture</p> <p>Thromboembolism</p> <p>Thrombosis - DVT</p> <p>Thrombosis - PE</p> <p>Total wound dehiscence</p> <p>TURP syndrome</p> <p>Unplanned ICU admission</p> <p>Unplanned readmission after discharge</p> <p>Ureteric Injury</p> <p>Ureteric perforation</p> <p>Ureteric transection</p> <p>Urethral Stricture</p> <p>Urethral Stricture late comp</p> <p>Urethrolysis for retention post incontinence procedure</p> <p>Urinary Retention</p> <p>Urinary tract infection</p> <p>Urinoma / Collection / Abscess - drainage</p> <p>Urosepsis</p> <p>Use of reversal agents (naloxone and flumazenil)</p> <p>Wound breakdown or dehiscence</p> <p>Wound erythema</p> <p>Wound excessive bleeding</p> <p>Wound infection (discharge of pus)</p> <p>Wound infection requiring further surgery</p>
<p>Complications grade [Clavien Dindo grading]</p>	<p>Drop down Single select</p>	<p>CD1: Deviation from normal postoperative course without need for surgical, radiological, endoscopic or pharmacological interventions, EXCEPTING anti-emetics, anti-pyretics, analgesics, diuretics, electrolytes, physiotherapy &amp; wounds opened at bedside</p> <p>CD2: Requiring pharmacological treatment (other than that allowed for CD1), including blood transfusion or TPN</p> <p>CD3a: Complication which necessitates intervention, surgical, endoscopic or radiological, NOT REQUIRING GENERAL ANAESTHESIA</p> <p>CD3b: Complication which necessitates intervention, surgical, endoscopic or radiological, REQUIRING GENERAL ANAESTHESIA</p> <p>CD4a: Life threatening complications requiring ICU management: SINGLE ORGAN DYSFUNCTION, INCLUDING DIALYSIS</p> <p>CD4b: Life threatening complications requiring ICU management: MULTIORGAN DYSFUNCTION</p> <p>CD5: Death</p> <p>No Complications</p> <p>No specified grade</p>
<p>Follow-up date</p>	<p>Date field</p>	

**Procedural Minimum Dataset: All Procedures**

Follow-up findings and plan	Free text	
Primary Surgeon	Drop down Single select	Yes No

Note: many procedures in MALT have additional fields associated with them, and more can be added on request. For example, colonoscopy and gastroscopy have additional fields associated with measuring the success of the procedure, and some cancer related procedures record TNM staging data.