

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
Case Details: Minimum Dataset		
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 Supervisor*	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.

Updated September 2022

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

Case Details: Expanded Dataset

Western European - Flemish
 Western European - French
 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 - Belarusan
 Eastern European - Czech
 Eastern European - Estonian
 Eastern European - Hungarian

Case Details: Expanded Dataset

Eastern European - Latvian
 Eastern European - Lithuanian
 Eastern European - Polish
 Eastern European - Russian
 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

Case Details: Expanded Dataset

South-East Asian - Karen
 South-East Asian - Mon
 South-East Asian - Filipino
 South-East Asian - Indonesian
 South-East Asian - Javanese
 South-East Asian - Madurese
 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

Case Details: Expanded Dataset

- Central Asian - Kazakh
- Central Asian - Pathan
- Central Asian - Uzbek
- Central Asian - Azeri
- Central Asian - Hazara
- Central Asian - Tajik
- Central Asian - Tatar
- Central Asian - Turkmen
- 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

Case Details: Expanded Dataset

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
 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

Case Details: Expanded Dataset

		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 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 SNOMED Problem/Diagnoses Reference Set maintained by ADHA
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

Case Details: Expanded Dataset

Bleeding disorder – VWF, Haemophilia, thrombocytopenia
 CABG
 Cancer - lymphoma
 Cancer - metastatic
 Cancer - solid tumour without metastasis
 Cardiac arrhythmia
 Cholelithiasis
 Chronic pulmonary disease
 COAD
 Coagulopathy
 Congenital heart disease
 Congestive heart failure
 Connective tissue disorder
 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)

Case Details: Expanded Dataset

		<p>MI - recent (<30days)</p> <p>Obesity (BMI >32)</p> <p>Osteoarthritis</p> <p>Osteoporosis</p> <p>Other</p> <p>Other neurological disorders</p> <p>Paralysis</p> <p>Parkinson's disease</p> <p>Peptic ulcer disease excluding bleeding</p> <p>Peripheral vascular disorders</p> <p>Permanent pacemaker</p> <p>Prematurity</p> <p>Previous DVT/PE</p> <p>Previous lower abdominal surgery</p> <p>Previous pelvic surgery</p> <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>

Case Details: Expanded Dataset

		Sedation Spinal
Prophylaxis	Drop down Multi-pick	Antibiotics DVT prevention
Final diagnosis	Type ahead Multi-pick	Terms from the SNOMED Problem/Diagnoses Reference Set maintained by ADHA
Pathological Diagnosis	Type ahead Multi-pick	Terms from the SNOMED Problem/Diagnoses Reference Set maintained by ADHA
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	

Case Details: Expanded Dataset

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><u>ALL Fellows:</u></p> <p>Primary Surgeon – PS Performed with peer - PP Assisting (scrubbed) – AS Observing (not scrubbed) – ONS Supervising (scrubbed) - SS Supervising (in theatre, not scrubbed) - SNS Available – A</p> <p><u>SIMGs:</u></p> <p>Cardiothoracic Surgery Assisted – B First Assistant – C Unassisted - A</p> <p>General Surgery Partial Primary Operator - PPO Surgeon Mentor in Theatre – S2 Surgeon Mentor Available – S3 Assisting Surgeon Mentor – A1 Assisting Senior Registrar – A2</p> <p>Neurosurgery Primary Surgeon – PS Secondary Surgeon – SS Assistant Surgeon – AS</p> <p>Orthopaedic Surgery Surgeon Independent – SI Surgeon Supervised – SS Assistant - A</p> <p>Otolaryngology Head & Neck Surgery Supervisor in theatre not scrubbed – S2 Supervisor scrubbed in theatre – S1 Supervisor on call – S3 Assist/Observe senior surgeon - AO</p> <p>Paediatric Surgery Assistant – A Observer – O Primary Surgeon, Trainer Available – P</p>

Procedural Minimum Dataset: All Procedures

Primary Surgeon, Training Junior Trainee – T
Supervised Surgeon, Trainer in OT – STU
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
Supervised Surgeon, Trainer Scrubbed – STS

Procedural Minimum Dataset: All Procedures

		<p>Assistant – A Observer – O</p> <p>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</p> <p>Plastic Surgery (Aus.) Surgeon Alone – SA Mentor Available – MA Mentor Scrubbed – MS Assistant – A</p> <p>Plastic Surgery (NZ) Surgeon Alone – SA Mentor Available – MA Mentor Scrubbed – MS Assistant – A</p> <p>Urology Open Primary Surgeon – OPS Open Secondary Surgeon – OSS Open Assistant Surgeon – OAS</p> <p>Vascular Surgery Primary Surgeon– P Assistant – A</p> <p>ANZTBCRS Surgeon Mentor Scrubbed – S1 Surgeon Mentor in Theatre – S2 Surgeon Mentor Available – S3 Surgeon Supervising Registrar – S4 Assistant Surgeon – S5</p> <p>Gastric & Oesophageal Surgery Surgeon Mentor Scrubbed – S1 Surgeon Mentor in Theatre – S2 Surgeon Mentor Available – S3 Assisting Surgeon Mentor – A1 Supervising Junior Surgeon – SJ</p> <p>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</p> <p>J-Docs Independent -1 Supervised – 2 1st Assistant – 3 2nd Assistant – 4 Observed - 5</p> <p>Global Health Primary Surgeon – PS</p>
--	--	--

Procedural Minimum Dataset: All Procedures

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

Procedural Expanded Dataset: All Procedures

Magnitude	Drop down Single select	<p>Complex Intermediate Major Minor</p>
Urgency	Drop down Single select	<p>Elective Emergency Planned Day Case Unplanned readmission Urgent</p>
Complications	Drop down Single select	<p>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</p>

Procedural Minimum Dataset: All Procedures

Bile duct - retained stone
 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

Procedural Minimum Dataset: All Procedures

General - Fall with fracture
 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.)
 Lymphocele
 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

Procedural Minimum Dataset: All Procedures

Pancreatic Abscess
 Pancreatitis
 PCNL Adjacent organ injury (e.g., 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
 Septicaemia
 Seroma
 Sinus
 Small bowel obstruction
 Splenectomy
 Stent / Nephrostomy - dislodged
 Stent syndrome/stent removal

Procedural Minimum Dataset: All Procedures

		<p>Subphrenic abscess Superficial wound dehiscence Temporary recurrent laryngeal nerve palsy Tendon rupture Thromboembolism Thrombosis - DVT Thrombosis - PE Total wound dehiscence TURP syndrome Unplanned ICU admission Unplanned readmission after discharge Ureteric Injury Ureteric perforation Ureteric transection Urethral Stricture Urethral Stricture late comp Urethrolysis for retention post incontinence procedure Urinary Retention Urinary tract infection Urinoma / Collection / Abscess - drainage Urosepsis Use of reversal agents (naloxone and flumazenil) Wound breakdown or dehiscence Wound erythema Wound excessive bleeding Wound infection (discharge of pus) 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 & 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>

Procedural Minimum Dataset: All Procedures

Follow-up date	Date field	
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.