



# Morbidity Audit and Logbook Tool

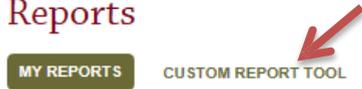
## Self-Audit Reports: Quick Guide to Beta Release

This Quick Guide gives a brief overview of how to access and use the Beta Release of the Self Audit Reports.

### Accessing the reports

To access the **Self-Audit Reports**, click on the 'Custom Report Tool' option under the **Reports** Page Heading.

#### Reports

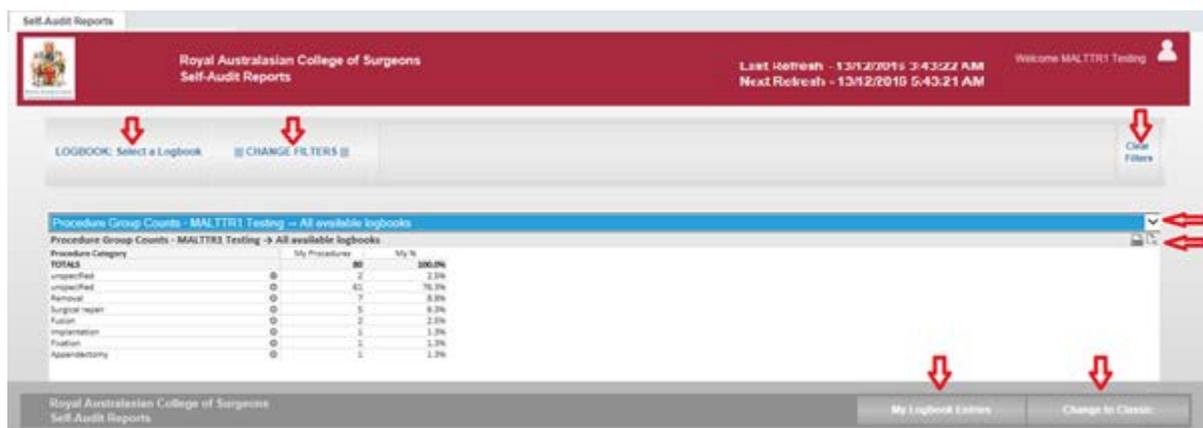


This will open a new browser window for Qlikview, the custom reporting tool available in MALT. Click the Self-Audit reports icon.

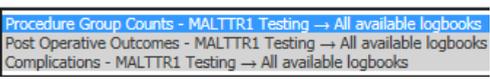


Self-Audit Reports - BETA.qvw

Select the Self-Audit reports tab.



Note the elongated drop-down box with three reports available for selection. Choose a report by clicking the dropdown arrow.





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### How QlikView reports work

QlikView is a dynamic reporting tool and figures update each time you make a selection or apply a filter. To clear your settings select from the toolbar either Clear to clear all filters, or the back arrow to undo the last change.



**Print or Send to Excel:** the information being viewed can be printed or sent to Excel. Click to print or to send to Excel (buttons are below the report selection dropdown arrow).

### Quick tips:

- All cases are included in the report calculations, regardless of their workflow status. Use the Logbook Status filter option to refine e.g. Approved or Completed cases only.
- Each time you make a selection the filters update dynamically and items that are not relevant to your selection are greyed out.
- Search for a specific value in a filter list by clicking on the symbol and typing in the value. As you type the list will filter the results.

Clear all filters		Filters					
<b>Record Type</b>	<b>Year and Month</b>	<b>Logbook Type</b>	<b>Procedure Category</b>	<b>Procedure</b>	<b>SNOMED Procedure</b>		
Test	2015 2015 2014	Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec	Audit of Department of Surgery IMG - Cardiothoracic Surgery J-Docs Logbook SET - General Surgery SET - Orthopaedic Surgery SET - Plastic Surgery (NZ) SET - SNOMED Orthopaedic Surgery (NZ) SET - SNOMED Plastic Surgery (Aus.) SET - SNOMED Urology Urology-General Surgery nSET1 & SET2	Adult Elective Upper Limb Aesthetics Cardiothoracic Operations Facial soft tissue GENERAL General Hand and upper limb HEAD & NECK Major/Complex Minor/Intermediate ORIF-LOWER LIMB unspecified UPPER URINARY TRACT	Abdominal specify - Paediatric Abdominoplasty - Plastic Abscess drainage Adrenalectomy Aorto-femoral bypass Appendicectomy Arthrodesis of finger Biopsy of skin lesion Bladder cystectomy - Urological Breast biopsy Breast closure Breast reconstruction Breast reconstruction, bilateral, with bilateral TR Browlift	Adrenalectomy (E1904001) Appendicectomy (B0146002) Arthrodesis of finger (300023000) Breast closure (119854000) Breast reconstruction, bilateral, with bilateral TR Browlift (177246004) Excision of ganglion of wrist (178095009) External olecranon fixation procedure (239294001) Ganglionectomy of tendon sheath site (7807006) Kidney implantation (119980000) Liposuction of subcutaneous tissue (302441008) Simple mastectomy (L72043006) Total splenectomy (174776001)	
<b>Complication Grade</b>	<b>Complication</b>	<b>Return To Theatre</b>	<b>Unplanned Readmission</b>	<b>Unplanned ICU</b>			
Clavien-Dindo Grade 1 Clavien-Dindo Grade 2 No complications No data recorded	Abandoned TURP Abdominal Pain Abdominal/pelvis collection Acute Brain Syndrome Acute Renal Impairment Bleeding - Haematoma Bleeding - Postoperative Haemorrhage No data recorded None	No Yes - Other Cause	No Yes - Pain	Yes - Localised sepsis (wound)			
<b>Age</b>	<b>Admission Category</b>	<b>Admission Outcome</b>	<b>Gender</b>	<b>ASA Grade</b>	<b>Comorbidities</b>		
0-9 10-19 20-29 30-39 40-49 50-59 60-69 70-79 80-89 No Age Selected	Day case Elective Emergency No Data Recorded	Died Discharged for care or respite Discharged home	Female Male Not Selected	I - Normal Healthy Patient II - Mild Systemic Disease No ASA Grade Selected	Current smoker		
<b>Rotation</b>	<b>Hospital</b>	<b>Supervision Level</b>	<b>SET Level</b>	<b>PGY Level</b>	<b>Logbook Status</b>		
N/A NA PILOT Rotation Q1 2016 Q2 2016 R1 2014 R1 2015 R2 2014 R2 2015 R2 2016 T2 2016	Flinders Medical Centre Flinders Private Hospital Monash Children's Hospital Sydney Adventist Hospital Sydney Adventist Private Hospital	Assisted Assisting Senior Registrar Assisting Surgeon Mentor Mentor available Primary Surgeon Supervised Surgeon Alone Surgeon alone Surgeon Mentor Available Surgeon Mentor in Theatre Surgeon Mentor Scrubbed Surgeon Supervised Trainee Unassisted	Year One		Approved Completed Deleted Draft For Review Re-approval Recalled Rejected Retracted		



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- All figures displayed are for the individual user per logbook type:
  - Classic View (non SNOMED logbooks) and SNOMED view (SNOMED logbooks)
  - Only operative procedures are listed
  - Historical Totals are not included
  - All procedures recorded are displayed i.e.
    - Approved, rejected, deleted, completed etc.... (use filter options to refine)
    - SNOMED SET and IMG logbooks include both Board and non-Board approved procedures
- Changes made to your logbook data within MALT are not immediately reflected in QlikView. Check the next refresh time onscreen to see how long before the reports will be updated.

### Filters

The data on-screen can be filtered by multiple data points:



**Logbook:** defaults to your logbook unless you have more than one. Top left hand side click “Select a Logbook” a pop up list is displayed, make a relevant selection. Click outside the pop up box to close it.

**Change Filters:** this opens a separate filter page which is accessed via the Change Filters option at the top left hand corner and a clear filters option top right hand corner.

**View:** in QlikView each logbook records either “SNOMED” procedures or “Classic” procedures (non SNOMED). If you have procedures in both these logbook types, you can toggle between them. Select the appropriate view by clicking the “Change to Classic/SNOMED” button at the bottom right of screen.

**My Logbook Entries:** a pop up list which provides a breakdown of the data being viewed in the reports by case. Filter further by clicking a value in the pop up. To undo the selection, click the back arrow from the toolbar. To send the information to Excel click  at the top right of the table. To close the table, click outside the pop up box.

Logbook Entry ID	Logbook Type	Logbook Entry Date	Procedure Category	Procedure	Patient Gender	Procedures	Patient Age
934095	SET - General Surgery	2016-02-22	Major/Complex	Under-run gastro-duodenal bleeding vessel	Male	1	60
461766	SET - General Surgery	2014-11-04	Major/Complex	Total gastrectomy	Not Selected	1	34



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### Reports

There are 3 reports available:

1. Procedure Group Counts
2. Post Operative Outcomes (Mortality, Return to Theatre, Unplanned ICU, Unplanned Readmission)
3. Complications

#### **Note:**

The first column of each report contains categories that expand and collapse to provide further information. To view information for one or more categories click the '+' against each category, to see all categories right click the '+' against a category and select "Expand all".



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### Procedure Group Counts report

Procedure Group Counts - MALTR1 Testing → SET - General Surgery			
Procedure Group Counts - MALTR1 Testing → SET - General Surgery			
Procedure Category	Procedure	My Procedures	My %
<b>TOTALS</b>		<b>54</b>	<b>100.0%</b>
unspecified	<b>TOTALS</b>	<b>2</b>	<b>3.7%</b>
	Colonoscopy	2	3.7%
Major/Complex	<b>TOTALS</b>	<b>33</b>	<b>61.1%</b>
	Abdominal specify - Paediatric	4	7.4%
	Herniotomy - Paediatric	4	7.4%
	Laparoscopic groin hernia repair	3	5.6%
	Salivary gland excision	3	5.6%
	Abdominoplasty - Plastic	2	3.7%
	Breast reconstruction	2	3.7%
	Multi organ procurement from deceased donor	2	3.7%
	Aorto-femoral bypass	1	1.9%
	Bladder cystectomy - Urological	1	1.9%
	Colonic bypass	1	1.9%
	Major limb amputation - Trauma	1	1.9%
	Major wound debridement / repair	1	1.9%
	Nerve repair	1	1.9%
	Oesophagectomy	1	1.9%
	Simple mastectomy	1	1.9%
	Small bowel resection	1	1.9%
	Thoractomy / thoracoscopy (not for trauma) - Cardiothoracic	1	1.9%
	Total colectomy	1	1.9%
	Total gastrectomy	1	1.9%
Under-run gastro-duodenal bleeding vessel	1	1.9%	
Minor/Intermediate		19	35.2%

The Procedure Group Counts report provides a list of procedures per procedure category. It includes the total number of procedures recorded and the percentage of procedures done in relation to the total number of procedures.

### Legend to columns

**Procedure Category** - lists the primary category allocated to a procedure:

- Classic view - the Specialty Board category (SET and IMG logbooks only)
- SNOMED view - the SNOMED category

**Note:** SET and IMG logbooks a category of “unspecified” may show multiple times on the report due to:

1. Board approved procedure but has no primary reporting category
2. Board approved procedure but not yet in our SNOMED reference set
3. Non Board approved procedure
4. Non Board approved procedure and not in our SNOMED reference set

**Procedure:** lists the procedure that was recorded.

**My procedures:** lists the total number of procedures recorded.

**My %:** calculates the percentage of each procedure done in relation to the total number of procedures done.



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## Self-Audit Reports: Quick Guide to Beta Release

### Post Operative Outcomes report

Post Operative Outcomes - MALTTR1 Testing → SET - General Surgery						
Post Operative Outcomes - MALTTR1 Testing → SET - General Surgery						
Admission Category	Procedure	My Cases / Procedures	My Deaths	My Return To Theatre	My Unplanned ICU	My Unplanned Readmissions
<b>TOTALS</b>	<b>TOTALS</b>	<b>48</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>TOTALS</b>	<b>42</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>
	Inguinal hernia (open)	9	1	0	0	0
	Abdominal specify - Paediatric	4	0	0	0	0
	Herniotomy - Paediatric	4	0	0	0	0
	Skin graft	3	0	0	0	0
	Salivary gland excision	3	0	0	0	0
	Laparoscopic groin hernia repair	2	0	0	0	0
	Colonoscopy	2	0	0	0	0
	Multi organ procurement from deceased donor	2	0	0	0	0
	Breast reconstruction	2	1	0	0	0
	Breast biopsy	2	0	0	0	0
No Data Recorded	Abdominoplasty - Plastic	1	0	0	0	0
	Excision following needle localisation	1	0	0	0	0
	Oesophagectomy	1	0	0	0	0
	Abscess drainage	1	0	0	0	0
	Thoractomy / thoracoscopy (not for trauma) - Cardiothoracic	1	0	0	0	0
	Small bowel resection	1	1	0	0	0
	Minor head & neck	1	0	0	0	0
	Simple mastectomy	1	0	0	0	0
	Nerve repair	1	0	0	0	0
	Bladder cystectomy - Urological	1	0	0	0	0
	Total gastrectomy	1	0	0	0	0
	Colonic bypass	1	0	0	0	0
	Major wound debridement / repair	1	0	0	0	0
	<b>TOTALS</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>
	Laparoscopic groin hernia repair	1	0	0	0	0
	Abdominoplasty - Plastic	1	0	0	0	0
Emergency	Aorto-femoral bypass	1	0	0	0	0
	Total colectomy	1	0	0	0	0
	Under-run gastro-duodenal bleeding vessel	1	0	0	0	0
	Major limb amputation - Trauma	1	1	0	0	0
Day case	<b>TOTALS</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
	Inguinal hernia (open)	2	0	0	0	0

The Post Operative Outcomes report provides a list of procedures and post operative outcomes by admission category. It includes the total number of cases and procedures recorded, the number of deaths, return to theatre, unplanned ICU and unplanned readmissions.

**Note:** Case and Procedure level totals are provided in this report as post-operative outcomes and admission category are only recorded at case level. The Procedure column is collapsed by default. **Bold TOTALS** rows are case totals. If you have done multiple procedures in a case the total procedures will not equal the total cases.

#### Legend to columns

**Admission Category:** lists the admission category.

**Procedure:** lists the procedures recorded by admission category.

**My Cases/Procedures:** lists both case and procedure totals. When you expand the Admission Category column to view the Procedures column then the procedure totals are listed.

**My Deaths:** lists the number of cases where death has been recorded. There are multiple places in MALT where death can be recorded in a case. This report includes cases only where a value of "Died" has been recorded against the field "Admission Outcome".

**My Return to Theatre:** lists the number of cases where a return to theatre has been recorded. Does not include cases where a value of No was selected.

**My Unplanned ICU:** lists the number of cases where an unplanned ICU has been recorded. Does not include cases where a value of No was selected.

**My Unplanned Readmissions:** lists the number of cases where an unplanned readmission has been recorded. Does not include cases where a value of No was selected.



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## Self-Audit Reports: Quick Guide to Beta Release

### Complications report

Complications - MALTTR1 Testing → SET - General Surgery						
Complications - MALTTR1 Testing → SET - General Surgery						
Complication Grade	Complications	Procedure	My Complications	My Procedures	My %	My Median LOS
<b>Total</b>	<b>Total</b>		5	54	9.3%	145
	Abandoned TURP		3	3	5.6%	
	Abdominal Pain		1	1	1.9%	
	Bleeding - Postoperative Haemorrhage		1	1	1.9%	
	<b>Total</b>		2	2	3.7%	
No complications	None		2	2	3.7%	
	<b>Total</b>		0	50	0.0%	145
No data recorded	No data recorded	<b>Total</b> unspecified	0	50	0.0%	145

The Complications report provides a list of procedures with complications by complication grade. It includes the total number of complications (including “None”), total number of procedures recorded, the percentage of complications in relation to the total number of procedures done and Median Length of Stay. The Procedure column is collapsed by default.

### Legend to columns

**Complication Grade:** lists the Complication Grade.

**Complication:** lists the complication.

**Procedure:** lists the procedure the complication has been recorded against.

**My complications:** lists the number of procedures with complications recorded, including those where user has selected a Complication of None.

**My procedures:** lists the total number of procedures that have a complication recorded against them. Note: Your procedures will not add up to your procedure totals if you have recorded multiple complications against a procedure with multiple complication grades. In the expanded view the procedure will be listed against each complication grade but as it is the same procedure the total will only show as 1.

**My %:** calculates the percentage rate for each complication grade/complication/procedure against the overall total of all procedures done.

**My Median LOS:** calculates the median LOS, where data has been recorded against both the Admission date and Discharge Date.