Technical Guidance for
Surgical Workload Audit and Research Database:
Hernia

V1.0
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1. The Indicators

1.1. Activity Volume

Methodology: Count of all activity.
Data Source: HES (Hospital Episode Statistics)

3.2. Average Length of Stay (Days)

Numerator: Number of bed days (excluding daycase)
Denominator: Number of spells (excluding daycase)
Methodology: Average
Data Source: HES (Hospital Episode Statistics)

3.3. 2/7/30 day Re-admission Rate (%)

Numerator: Total number of emergency re-admissions within 2/7/30 days of discharge
Denominator: Total number of discharges following an admission
Methodology: Percentage
Data Source: HES (Hospital Episode Statistics)
Note: Re-admission is attributed to the consultant responsible for the patient in the initial admission.

3.4. Re-operations within 30 days (%)

Numerator: Total number of re-operations within 30 days of discharge
Denominator: Total number of discharges following an admission
Methodology: Percentage
Data Source: HES (Hospital Episode Statistics)
Note: Re-operations are attributed to the consultant responsible for the patient in the initial admission.
3.5. Day case Rates (%)

Numerator: Number of procedures carried out as a daycase  
Denominator: Total number of procedures carried out  
Methodology: Percentage  
Data Source: HES (Hospital Episode Statistics)  
Note: Daycase is classified as a patient who is coded as having a 0 day length of stay by checking the admission and discharge dates are the same.

3.6. Short Stay Rates (%)

Numerator: Number of patients admitted and discharged within 48hrs  
Denominator: Total number of patients discharged  
Methodology: Percentage  
Data Source: HES (Hospital Episode Statistics)  
Note:

3.7. Proportion of laparoscopic procedures

Numerator: Number of hernia patients who have undergone a laparoscopic procedure.  
Denominator: Total number of procedures carried out  
Methodology: Percentage  
Data Source: HES (Hospital Episode Statistics)  
Note:

3.8. Ratio of emergency to all admissions

Numerator: Number of emergency procedures.  
Denominator: Total number of procedures carried out  
Methodology: Percentage  
Data Source: HES (Hospital Episode Statistics)  
Note:
4. Interventions and Code Sets

4.1. Primary Inguinal Hernia - Open

Primary OPCS:
T19.8: Other specified simple excision of inguinal hernial sac
T19.9: Unspecified simple excision of inguinal hernial sac
T20: Primary repair of inguinal hernia

Secondary OPCS: (will be included after any Primary OPSC)
Bilateral:
Z94.1: Bilateral operation or
Z94.2: Right sided operation and Z94.3: Left sided operation

Unilateral:
Z94.2: Right sided operation or
Z94.3: Left sided operation or
Z94.4: Unilateral operation

Primary ICD-10:
K40: Inguinal hernia

4.2. Primary Inguinal Hernia - Laparoscopic

Primary OPCS:
T19.8: Other specified simple excision of inguinal hernial sac
T19.9: Unspecified simple excision of inguinal hernial sac
T20: Primary repair of inguinal hernia

Secondary OPCS: (will be included after any Primary OPSC)
Y75.1: Laparoscopically assisted approach to abdominal cavity or
Y75.2: Laparoscopic approach to abdominal cavity NEC

Bilateral:
Z94.1: Bilateral operation or
Z94.2: Right sided operation and Z94.3: Left sided operation

Unilateral:
Z94.2: Right sided operation or
Z94.3: Left sided operation or
Z94.4: Unilateral operation

Primary ICD-10:
K40: Inguinal hernia
4.3. Recurrent Inguinal Hernia Repair - Open

Primary OPCS:
T21: Repair of recurrent inguinal hernia

Secondary OPCS: (will be included after any Primary OPSC)
Bilateral:
Z94.1: Bilateral operation or
Z94.2: Right sided operation and Z94.3: Left sided operation

Unilateral:
Z94.2: Right sided operation or
Z94.3: Left sided operation or
Z94.4: Unilateral operation

Primary ICD-10:
K40: Inguinal hernia

4.4. Recurrent Inguinal Hernia Repair - Laparoscopic

Primary OPCS:
T21: Repair of recurrent inguinal hernia

Secondary OPCS: (will be included after any Primary OPSC)
Y75.1: Laparoscopically assisted approach to abdominal cavity or
Y75.2: Laparoscopic approach to abdominal cavity NEC

Bilateral:
Z94.1: Bilateral operation or
Z94.2: Right sided operation and Z94.3: Left sided operation

Unilateral:
Z94.2: Right sided operation or
Z94.3: Left sided operation or
Z94.4: Unilateral operation

Primary ICD-10:
K40: Inguinal hernia
4.5. Primary Femoral Hernia Repair - Open

Primary OPCS:
T22: Primary repair of femoral hernia

Secondary OPCS: (will be included after any Primary OPSC)
Bilateral:
Z94.1: Bilateral operation or
Z94.2: Right sided operation and Z94.3: Left sided operation

Unilateral:
Z94.2: Right sided operation or
Z94.3: Left sided operation or
Z94.4: Unilateral operation

Primary ICD-10:
K41: Femoral hernia

4.6. Primary Femoral Hernia Repair - Laparoscopic

Primary OPCS:
T22: Primary repair of femoral hernia

Secondary OPCS: (will be included after any Primary OPSC)
Y75.1: Laparoscopically assisted approach to abdominal cavity or
Y75.2: Laparoscopic approach to abdominal cavity NEC

Bilateral:
Z94.1: Bilateral operation or
Z94.2: Right sided operation and Z94.3: Left sided operation

Unilateral:
Z94.2: Right sided operation or
Z94.3: Left sided operation or
Z94.4: Unilateral operation

Primary ICD-10:
K41: Femoral hernia
4.7. Recurrent Femoral Hernia Repair - Open

Primary OPCS:
T23: Repair of recurrent femoral hernia

Secondary OPCS: (will be included after any Primary OPSC)
Bilateral:
Z94.1: Bilateral operation or
Z94.2: Right sided operation and Z94.3: Left sided operation

Unilateral:
Z94.2: Right sided operation or
Z94.3: Left sided operation or
Z94.4: Unilateral operation

Primary ICD-10:
K41: Femoral hernia

4.8. Recurrent Femoral Hernia Repair - Laparoscopic

Primary OPCS:
T23: Repair of recurrent femoral hernia

Secondary OPCS: (will be included after any Primary OPSC)
Y75.1: Laparoscopically assisted approach to abdominal cavity or
Y75.2: Laparoscopic approach to abdominal cavity NEC

Bilateral:
Z94.1: Bilateral operation or
Z94.2: Right sided operation and Z94.3: Left sided operation

Unilateral:
Z94.2: Right sided operation or
Z94.3: Left sided operation or
Z94.4: Unilateral operation

Primary ICD-10:
K41: Femoral hernia
4.9. Paraumbilical Hernia Repair - Open

Primary OPCS:
T24.1: Repair of umbilical hernia using insert of natural material
T24.2: Repair of umbilical hernia using insert of prosthetic material
T24.3: Repair of umbilical hernia using sutures
T24.8: Other specified primary repair of umbilical hernia
T24.9: Unspecified primary repair of umbilical hernia
T97: Repair of recurrent umbilical hernia

Secondary OPCS: N/A

Primary ICD-10:
K42: Umbilical hernia

4.10. Paraumbilical Hernia Repair - Laparoscopic

Primary OPCS:
T24.1: Repair of umbilical hernia using insert of natural material
T24.2: Repair of umbilical hernia using insert of prosthetic material
T24.3: Repair of umbilical hernia using sutures
T24.8: Other specified primary repair of umbilical hernia
T24.9: Unspecified primary repair of umbilical hernia
T97: Repair of recurrent umbilical hernia

Secondary OPCS: (will be included after any Primary OPSC)
Y75.1: Laparoscopically assisted approach to abdominal cavity or
Y75.2: Laparoscopic approach to abdominal cavity NEC

Primary ICD-10:
K42: Umbilical hernia
4.11. Epigastric Hernia Repair - Open

Primary OPCS:
T27.1: Repair of ventral hernia using insert of natural material
T27.2: Repair of ventral hernia using insert of prosthetic material
T27.3: Repair of ventral hernia using sutures
T27.8: Other specified repair of other hernia of abdominal wall
T27.9: Unspecified repair of other hernia of abdominal wall
T98: Repair of recurrent ventral hernia

Secondary OPCS:
N/A

Primary ICD-10:
K43: Ventral hernia

4.10. Epigastric Hernia Repair - Laparoscopic

Primary OPCS:
T27.1: Repair of ventral hernia using insert of natural material
T27.2: Repair of ventral hernia using insert of prosthetic material
T27.3: Repair of ventral hernia using sutures
T27.8: Other specified repair of other hernia of abdominal wall
T27.9: Unspecified repair of other hernia of abdominal wall
T98: Repair of recurrent ventral hernia

Secondary OPCS: (will be included after any Primary OPSC)
Y75.1: Laparoscopically assisted approach to abdominal cavity or
Y75.2: Laparoscopic approach to abdominal cavity NEC

Primary ICD-10:
K43: Ventral hernia