



## Data Dictionary

Field	Required Definition	Suggested Source of Data
<b>Patient characteristics</b>		
LATITUDE Record ID	Automatically generated by REDCap	REDCap
Age	In completed years at time of laparoscopy	Clinical letters / notes
Sex at birth	Birth sex (Female / Male)	Clinical letters / notes
Height	Measured in centimetres (cm); within 1 year of index procedure	Drug charts Clinical letters / notes Admissions clerking Referral letters
Weight	Measured in kilograms (Kg); within 3 months of index procedure	
Smoking status	Current, Previous (stopped smoking <6 weeks), Previous (stopped smoking 6 weeks – 1 year), Previous (stopped smoking >1 year), Never smoked	
Previous abdominal or pelvic surgery	Yes – any open abdominal or pelvic procedure / Yes – Laparoscopic or robotic surgery only / No	
Previous pregnancy	Yes – not currently pregnant, Yes – currently pregnant, No - never	
Were all previous pregnancies singleton?	Yes, No – twins, No – triplets, No – other (free text)	
Parity to ≥ 38 weeks	Number of children born (whole integer)	
Gravidity carried to ≥ 26 weeks	Number of pregnancies (whole integer)	
Number of previous caesarean sections	Number of caesarean sections (whole integer)	
Dates of caesarean sections	Repeating fields with date MM/YYYY	
Occupation classification	Managers, directors and senior officials Professional occupations Associate professional occupations Administrative and secretarial occupations Skilled trades occupations Caring, leisure and other service occupations Sales and customer service occupations Process, plant and machine operatives General labour (i.e. security, factory, construction, groundwork, other physical trades) Other	



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Long-term health conditions	Tick all which apply or select 'none' Previous myocardial infarction Ischaemic heart disease Peripheral vascular disease Congestive cardiac failure (NYHA I / II / III / IV) Cerebrovascular disease Dementia Previous TIA / stroke COPD Peptic ulcer disease HIV/AIDS Diabetes Mellitus Mild liver disease Moderate / severe liver disease (cirrhosis) Cancer without metastases Lymphoma / leukaemia Rheumatologic disease Inflammatory Bowel Disease Metastatic cancer Chronic Kidney Disease Venous thromboembolism Connective tissue disorder Fibromyalgia Chronic pain syndrome	Drug charts Clinical letters / notes Admissions clerking Referral letters
If the patient has cardiac failure, what is the NYHA classification?	I / II / III / IV (available at <a href="https://www.heartonline.org.au/media/DRL/New_York_Heart_Association_(NYHA)_classification.pdf">https://www.heartonline.org.au/media/DRL/New_York_Heart_Association_(NYHA)_classification.pdf</a> )	Clinical letters / notes Admissions clerking
Stage of chronic kidney disease	I / II / IIIA / IIIB / IV / V	Clinical letters / notes Admissions clerking Laboratory systems
History of diabetes mellitus	Yes - Type I / Yes - Type II (diet controlled, tablet controlled, insulin controlled)	Clinical letters / notes Admissions clerking Drug charts
Immunosuppression (non-cancer)	No, Yes - oral steroids, Yes - oral DMARDs (Azathioprine, methotrexate), Yes - biologics	
Active cancer and/or cancer treatment	No / Yes - curative intent / Yes - palliative intent / Yes - end of life	



Field	Required Definition	Suggested Source of Data
Abdominal / pelvic pain symptoms		
Does the patient have any of the following symptoms?	Tick all which apply or select 'none' Pelvic pain Pain worse on exercise or lifting Lower abdominal pain Lower back pain Bulge / lump in the lower abdomen Pressure / heaviness Nausea / vomiting Bowel obstruction symptoms* Cosmetic concerns around the lower abdomen Bloating Irritable bowel syndrome Difficulty conceiving (requiring fertility treatments) Deep dyspareunia Other (free text)	Clinical letters / notes Admissions clerking Referral letters GP systems Operation notes
How long has the pelvic pain been present for?	Duration in months	
Does the patient menstruate?	Yes, No - Post-menopausal, No - Perimenopausal, No - Hysterectomy, No - On contraceptive pill / injection or device, No - Hormone or endocrine for amenorrhoea	
Are the symptoms cyclical in nature?	Yes, No	
Has the patient ever had a diagnosis of endometriosis or pelvic inflammatory disease	Yes - Endometriosis, Yes - Pelvic inflammatory disease, No - Neither	
Could any of these symptoms be attributable to incisional hernia?	Yes, No	
Has the patient been referred or assessed for these symptoms?	Yes - has been seen in clinic by a pelvic pain specialist (gynaecologist or chronic pain service), Yes - awaiting appointment, Yes - but referral declined, No - never referred	
Has the patient received imaging studies or a diagnostic laparoscopy for these symptoms?	Tick all which apply or select 'none' Ultrasound scan Magnetic Resonance Scan Computed Tomography Scan Diagnostic or Therapeutic Laparoscopy	Radiology systems Clinical letters / notes



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Abdominal / pelvic pain symptoms		
Investigation findings	Normal scan - no cause for symptoms identified / Endometriosis / Pelvic Inflammatory Disease / Rectal Prolapse / Vaginal or Uterine prolapse / Adenomyosis / Ovarian cyst / Hernia / Free fluid	Clinical letters / notes Admissions clerking Referral letters GP systems Operation notes



Field	Required Definition	Suggested Source of Data
<b>Surgical history</b>		
Previous abdominal or pelvic operations	Number (integer)	GP systems Clinical letters / notes Anaesthetic charts Operation notes
Have any of these procedures been open or converted to open from laparoscopic / robotic, or required an extraction port?	No, Yes	
Previous operation details	C-section / Hysterectomy / Appendectomy / Hernia repair / Cholecystectomy / Colorectal resection / Bariatric surgery / Bariatric surgery / Liver resection / Pancreatic resection / Oophorectomy-salpingo-oophorectomy / Laparotomy (other) / Laparoscopy (other) / Other (free-text)	
Date of the last operation	DD-MM-YYYY	
Incision types for previous open procedures	Midline, Paramedian, Gridiron, Kocher, McBurney, Lanz, Chevron/Rooftop, Mercedes-Benz, Transverse, Rutherford Morison, Pfannenstiel, Joel-Cohen	
Date of the last caesarean section	MM-YYYY	
Incision types for previous caesarean sections	Pfannenstiel / Joel-Cohen / Transverse (other) / Midline / Oblique / Other / Not applicable (laparoscopy only)	
Closure details for previous caesarean sections or lower transverse incision	Closure of anterior fascia but posterior fascia layer (transversalis or peritoneum) not closed, Closure of anterior fascia and closure of posterior fascia layer (transversalis or peritoneum), Bulk closure of anterior fascia but posterior fascia layer (transversalis or peritoneum), Not documented, Other (free-text)	
<b>Intraoperative details and laparoscopy findings</b>		
Knife to skin time	HH:MM:SS DD-MM-YYYY	GP systems Clinical letters / notes Anaesthetic charts Operation notes Theatre logbooks
Time of end of operation	HH:MM:SS DD-MM-YYYY	
ASA Grade	I / II / III / IV / V	
Indication for laparoscopy / laparoscopic surgery	List of ICD-10 codes	
Intraoperative findings on laparoscopy/ laparoscopic surgery	None - normal laparoscopy, Hernia / lower third abdominal wall adhesions identified, Other non-hernia pathology	Clinical letters / notes Operation notes



Field	Required Definition	Suggested Source of Data
Intraoperative details and laparoscopy findings		
Number of defects	Number (integer)	Clinical letters / notes Operation notes Intraoperative findings Implant stickers
Hernia defect size	Height x Width (estimated cm)	
Hernia type	Lower Transverse Incisional (LATI), Incisional ventral, Umbilical, Paraumbilical, Other incisional, Port-site hernia, Inguinal	
Hernia contents	Empty Sac, Adhesions, Omentum, Mesentery, Small bowel, Large bowel, Uterus, Fallopian tube, Ovary, Bladder, Other (free-text)	
Adhesions present	No, Yes – film, Yes – dense	
Zanellato's classification of hernia	Type 1, Type 2, Type 3, Type 4, Type 5, Type 6	
Did the hernia / adhesions require mobilisation or taking down from abdominal wall	No, Yes – blunt dissection, Yes – sharp dissection	
Was any abdominal wall repair or other reduction performed?	No, Yes- Reduction only, Yes - Suture repair, Yes – Component separation	
Type of mesh	Synthetic – non-absorbable, Synthetic – absorbable, Biological, Hybrid	
Mesh placement	On-lay, Inlay / interposition, Retrorectus, preperitoneal, intraperitoneal	



Field	Required Definition	Suggested Source of Data
30-day outcomes		
Any postoperative complications within 30-days?	No, Yes	Clinical letters / notes Patient information systems Discharge summaries Operation notes
Reintervention	No, Yes - outside of theatre, Yes - return to theatre	
Mortality within 30-days	No, Yes - in-hospital, Yes - out of hospital	
Complications with Clavien-Dindo Grade	Full list of complications and Clavien-Dindo grading	
Date of death / discharge	DD-MM-YYYY	