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| **PQIP DATA ACCESS REQUEST FORM****Patient-level data** |

Applicants should ensure that they have reviewed the accompanying guidance on the PQIP web site. Please submit this form to the PQIP TEAM using ‘Data Request’ as the subject line. Contact us early in the process for feasibility counts, if you require support and guidance, or if you wish to work collaboratively with the project team on your project. You should provide sufficient detail in your application form to enable the PQIP team to review and make recommendations for data access requests.

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| ***For PQIP use only*** |
| Reference number: | Meeting date: | Date of original submission to PQIP: |
|  |  |  |

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| **Section 1** | **Applicant information** |
| **Project title:** |  |
| **Name of Principal Investigator:** |  |
| **Job title:** |  |
| **Employing organisation:** |  |
| **Address of organisation:** |  |
| **Telephone:** |  |
| **E-mail:** |  |
| **Research Team / Co-applicants** Details of each research team member involved in the proposed project |
| **Name** | **Employing organisation** | **Job title** | **Contact details**E-mail address / telephone no. |
|  |  |  |  |
| **Experience/expertise**Describe the research and/or statistical skills available within the research team |  |

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| **Section 2** | **Project Details** |
| **Plain English Summary:**Brief summary of up to 200 words describing the aims of the study / research project |  |
| **Technical Summary:**200 words |  |
| **Aims, Objectives & Research Questions:** |  |
| **Methodology & planned statistical analyses:**Full description of the purpose(s) for which the data are required (500 words max) |  |
| **References:**Max 10 |  |
| **Proposed completion date of the project:** |  |
| **Planned scientific outputs:**Intended outputs / publications arising for the use of these data, including abstracts, posters & research papers |  |
| **Ethics:**If this request is for research purposes, you should enclose confirmation of ethics approval or confirmation from the HRA decision tool or your local R&D dept that this is not required. If necessary please use the box here to provide any additional information. |  |

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| **Section 3** | **Funding** |
| Please indicate whether your project has received dedicated funding. If you are planning to seek funding to carry out this project and the grant application is to be partially or totally based in the use of PQIP data, please give details about the funding application.  |
| **Name of funding body:** |  |
| **Status of funding application:** | **In preparation** | **Submitted, pending funding decision** | **Funded** |
| ⬜ | ⬜ | ⬜ |

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| **Section 4** | **Declaration of interest** |
| Please indicate whether any individuals named in this application have an interest to declare about this application. All interests that might unduly influence an individual’s judgement and objectivity in the used of the data being requested are of relevance. |
| **Declaration of interest:** | ⬜ **No** | ⬜ **Yes** (Pleased provide details below) |
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| **Section 5** | **PQIP Support** |
| **Please indicate if you require input from the PQIP team for your project:** | ⬜ **None required** |
| ⬜ **Clinical input – surgery** (Please specify which specialty) |
| ⬜ **Clinical input – anaesthesia / perioperative medicine**  |
| ⬜ **Clinical input – critical care medicine** |
| ⬜ **Methodological input – research & analysis design** |
| ⬜ **Methodological input – statistical support** |
| ⬜ **Other input** (Please provide details) |

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| **Section 6** | **Patient-level data**Patient-level data contains information about each patient individually but not including any personal information, such as name, date of birth, address or NHS/CHI number. |
| **Please indicate which surgical specialties you are requesting data for:** | ⬜ **Abdominal – Hepatobiliary** |
| ⬜ **Abdominal – Lower GI** |
| ⬜ **Abdominal – Other**  |
| ⬜ **Abdominal – Upper GI** |
| ⬜ **Burns & Plastics** |
| ⬜ **Gynaecology** |
| ⬜ **Head & Neck** |
| ⬜ **Orthopaedics** |
| ⬜ **Spinal** |
| ⬜ **Thoracics** |
| ⬜ **Urology** |
| ⬜ **Vascular** |
| **Please add any relevant further details re. specialty or procedures you would like data for:** |  |
| Please indicate the required data fields at the end of this form. To improve your chances of success please request the minimum dataset required to address the purpose of your application. |

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| **Section 7** | **Information Governance (including security)** |
| Describe the arrangements for storage of the data and the measures that will be implemented to secure access to the data for the duration of the study. Please confirm whether your organisation is Information Governance Toolkit compliant to Level 2 or equivalent. |
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| **Section 8** | **Agreement** |
| **Please acknowledge that you have read:** | ⬜ **PQIP Data Use Policy** |
| ⬜ **Authorship policy for PQIP research outputs**  |
| ⬜ **HSRC Data Handling and Transparency Policy** |
| **Signature:** (on behalf of applicants) |  |

| **CRF / webtool Item** | **Question** | **Notes** | **Available from** | **Required field Y/N** | **Justification for request** | **Restrictions**(completed by PQIP) |
| --- | --- | --- | --- | --- | --- | --- |
| 1.1 | Patient ID number |  |  | NOT AVAILABLE |
| 1.2 | Surname |  |  | NOT AVAILABLE |
| 1.3 | First name |  |  | NOT AVAILABLE |
| 1.4 | Date of birth |  |  | NOT AVAILABLE |
|  | Age on date of surgery | Automatically calculated by webtool |  |  |  |  |
| 1.5 | Gender | M/F |  |  |  |  |
| 1.6 | Post code |  |  | NOT AVAILABLE |
| 1.7 | Usual residence | Own home, Care home |  |  |  |  |
| 1.8 | Date of hospital admission |  |  | IDENTIFIABLE |  | Specify interval requested |
| 1.9 | Date of surgery |  |  | IDENTIFIABLE |  | Specify interval requested |
| 1.11-1.12 | NHS / CHI number |  |  | NOT AVAILABLE |
| 1.13 | Height |  |  |  |  |  |
| 1.14 | Weight |  |  |  |  |  |
| 2.1 | Surgical specialty | ⬜ Abdominal – Hepatobiliary⬜ Abdominal – Lower GI⬜ Abdominal – Other⬜ Abdominal – Upper GI⬜ Burns & Plastics⬜ Gynaecology⬜ Head & Neck⬜ Orthopaedics⬜ Spinal⬜ Thoracics⬜ Urology⬜ Vascular |  |  |  |  |
| 2.2a | Planned operation | As per procedure list on PQIP website |  |  |  |  |
| 2.2b | Planned mode of procedure | Open, Laparoscopic, Robotic, Thoracoscopic |  |  |  |  |
| 2.2c | Is this surgery part of a multistage procedure? | Y/N | Apr 2019 |  |  |  |
| 2.3 | Urgency of surgery | Elective, Expedited, Urgent, Immediate |  |  |  |  |
| 2.4 | Cancer surgery | Y/N | Apr 2019 |  |  |  |
| 2.5 | Enhanced recovery pathway | Y/N/Not Known |  |  |  |  |
| 2.6 | Pre-operative assessment (before hospital admission) | ⬜ None ⬜ Electronic self-assessment ⬜ Telephone assessment with nurse ⬜ Telephone assessment with doctor ⬜ Face to face: nurse-led ⬜ Face to face: surgeon-led ⬜ Face to face: anaesthetist-led ⬜ Other |  |  |  |  |
| 2.7 | Sodium |  |  |  |  |  |
| 2.8 | Potassium |  |  |  |  |  |
| 2.9 | Urea |  |  |  |  |  |
| 2.10 | Creatinine |  |  |  |  |  |
| 2.12 | Albumin |  |  |  |  |  |
| 2.13 | White cell count |  |  |  |  |  |
| 2.14 | Haemoglobin |  |  |  |  |  |
| 2.15 | Pulse rate |  |  |  |  |  |
| 2.16 | Systolic BP |  |  |  |  |  |
| 2.17 | GCS |  |  |  |  |  |
| 2.18 | SpO2 |  |  |  |  |  |
| 2.19 | ECG findings | ⬜ No abnormalities⬜ AF rate 60-90⬜ AF rate >90/any other abnormal rhythm/paced rhythm/ >5VE/min/ Q, ST or T wave abnormalities⬜ Not done |  |  |  |  |
| 2.20 | Cardiac history/findings | ⬜ No failure⬜ Diuretic, digoxin, antianginal or antihypertensive⬜ Peripheral oedema, warfarin therapy or borderline cardiomegaly ⬜ Raised jugular venous pressure or cardiomegaly |  |  |  |  |
| 2.21 | NYHA heart failure classification | 1-4 |  |  |  |  |
| 2.22 | Respiratory history/findings | ⬜ No dyspnoea ⬜ Dyspnoea on exertion or CXR: mild COPD ⬜ Dyspnoea limiting exertion to <1 flight or CXR: moderate COPD ⬜ Dyspnoea at rest/rate > 30 at rest or CXR: fibrosis or consolidation  |  |  |  |  |
| 2.23 | Respiratory infection in the last month | Y/N |  |  |  |  |
| 2.24 | Cerebrovascular disease | ⬜ No⬜ Yes – no hemiplegia⬜ Yes – with hemiplegia |  |  |  |  |
| 2.25 | Current cancer diagnosis or in remission for <5 years | ⬜ No⬜ Yes - solid tumour; local only⬜ Yes – solid tumour; metastatic disease (including lymph node)⬜ Yes - Lymphoma⬜ Yes – Leukaemia |  |  |  |  |
| 2.26 | Dementia | Y/N |  |  |  |  |
| 2.27 | Diabetes | ⬜ No⬜ Type 1⬜ Type 2 (on insulin)⬜ Type 2 (Diet controlled only)⬜ Type 2 (Non-insulin glucose lowering medication) |  |  |  |  |
| 2.28 | HbA1c |   |  |  |  |  |
| 2.29 | Liver disease | ⬜ No⬜ Yes – cirrhosis or Hep B/C WITHOUT portal hypertension⬜ Yes – cirrhosis or Hep B/C WITH portal hypertension | Apr 2019 |  |  |  |
| 2.29a | Liver disease type | ⬜ Hep B⬜ Hep C⬜ Alcohol-related⬜ Non-alcoholic steatosis | Apr 2019 |  |  |  |
| 2.29b | Child-Pugh Grade | A/B/C/Not Known | Apr 2019 |  |  |  |
| 2.30 | ASA grade | 1-5 |  |  |  |  |
| 2.31 | CPET performed | Y/N |  |  |  |  |
| 2.31a | VO2 Peak Indexed |  |  |  |  |  |
| 2.31b | Anaerobic Threshold (AT) Indexed |  |  |  |  |  |
| 2.31c | VE/VCO2 at AT |  |  |  |  |  |
| 2.31d | Max work rate |  |  |  |  |  |
| 2.31e | Max heart rate |  |  |  |  |  |
| 2.31f | Max oxygen pulse |  |  |  |  |  |
| 2.31g | FEV1/FVC |  |  |  |  |  |
| 2.32 | Smoking history | ⬜ Never smoked⬜ Ex-smoker > 6 months⬜ Ex-smoker <6 months⬜ Current smoker⬜ Unknown |  |  |  |  |
| 2.33 | Current alcohol consumption | ⬜ No alcohol⬜ 0-2 AU/day⬜ 3-4 AU/day⬜ >5 AU/day⬜ Not known |  |  |  |  |
| 2.34 | Documented assessment of perioperative risk | ⬜ Yes – Qualitative (e.g. low / medium / high)⬜ Yes – Quantitative (e.g. percentage risk of death / complications) ⬜ Both⬜ No |  |  |  |  |
| 2.35 | Planned postoperative destination | ⬜ Ward care⬜ Level 1 care⬜ Level 2 care⬜ Level 3 care |  |  |  |  |
| 2.36 | Received bowel preparation: | Y/N/NA |  |  |  |  |
| 2.37 | Preoperative carbohydrates: | Y/N/NK |  |  |  |  |
| 2.43 | Anaemia treatment | None, Intravenous Iron, Oral Iron, EPO, Blood transfusion, B12, Folic acid | Apr 2019 |  |  |  |
| 2.44 | Frailty (CFS) | 1-9 | Apr 2019 |  |  |  |
| 3.1 | Grade of most senior surgeon physically present in the operating theatre for this procedure | ⬜ Consultant (post-CCT or CESR)⬜ Foundation year doctor⬜ Nurse specialist⬜ Physician Assistant / Associate⬜ SAS doctor⬜ Trainee or Trust grade CT1-2 or equivalent⬜ Trainee or Trust grade ST3-7 or equivalent⬜ Other |  |  |  |  |
| 3.2 | Grade of most senior anaesthestist physically present in the operating theatre for this procedure | ⬜ Consultant (post-CCT or CESR)⬜ Foundation year doctor⬜ Nurse specialist⬜ Physician Assistant / Associate⬜ SAS doctor⬜ Trainee or Trust grade CT1-2 or equivalent⬜ Trainee or Trust grade ST3-7 or equivalent⬜ Other |  |  |  |  |
| 3.3 | Compliance with induction antibiotic protocol | Y/N |  |  |  |  |
| 3.4 | Select which anaesthetic techniques were utilised | ⬜ General⬜ Spinal⬜ Epidural⬜ Combined spinal and epidural⬜ Regional block (incl. paravertebral and TAP blocks)⬜ Local anaesthetic infiltration⬜ General with TIVA⬜ General with inhalational⬜ Intravenous analgesia |  |  |  |  |
| 3.4i | If GA | ⬜ Inhalational – Desflurane⬜ Inhalational – Isoflurane⬜ Inhalational – Sevoflurane⬜ Inhalational – Other⬜ Inhalational – Nitrous oxide⬜ IV Propofol infusion⬜ IV remifentanil infusion | Apr 2019 |  |  |  |
| 3.5 | Select intra-operative monitoring (in addition to standard AAGBI monitoring) | ⬜ Central venous catheter⬜ Arterial line⬜ Cardiac output monitor⬜ Depth of anaesthesia⬜ Temperature probe⬜ Peripheral nerve stimulator⬜ None⬜ Urinary catheter |  |  |  |  |
| 3.6 | Warming devices | ⬜ Now arming device⬜ IV fluid warmer⬜ Forced-air warming device⬜ Underbody resistive heating⬜ Missing data⬜ Other |  |  |  |  |
| 3.7 | Including this procedure, number of operations the patient has had in the past 30 days | 1/2/>2 |  |  |  |  |
| 3.8 | Actual procedure was same as planned procedure | Y/N |  |  |  |  |
| 3.9a-b | Actual surgical specialty and operation |  |  |  |  |  |
| 3.9c | Actual mode of surgery | Open, Laparosopic / laparoscopically-assisted, Robotic-assisted, Thoracoscopic |  |  |  |  |
| 3.10a | Actual procedure (secondary) |  |  |  |  |  |
| 3.10b | Sub-group |  |  |  |  |  |
| 3.10c | Description |  |  |  |  |  |
| 3.11 | Surgical incision | Thoracic, Upper abdominal, Lower abdominal, Other / Laparoscopic / Thoracoscopic |  |  |  |  |
| 3.12 | Blood loss | ⬜ ≤100ml⬜ 101-500ml⬜ 501-1000ml⬜ ≥1001ml⬜ Missing data |  |  |  |  |
| 3.13 | Intra-abdominal / intra-thoracic findings | ⬜ Not applicable⬜ None⬜ Serous fluid⬜ Localised pus⬜ Free bowel content / pus / blood⬜ Missing data |  |  |  |  |
| 3.14 | Duration of surgery and anaesthesia | <2 hours / 2-3 hours / >3 hours |  |  |  |  |
| 3.15 | Received tranexamic acid intraoperatively | Y/N | Apr 2019 |  |  |  |
| 3.16 | Actual postoperative destination | Ward care / Level 1/2/3 |  |  |  |  |
| 3.17 | If different from planned care destination, why? | ⬜ Not applicable – patient transferred to planned care destination⬜ No higher level care bed available⬜ No lower level care bed available⬜ Operation lower risk than expected⬜ Operation palliative (unexpected)⬜ Other / further information |  |  |  |  |
| 4.1 | First core temperature on arrival from theatres ≥36°C | Y/N |  |  |  |  |
| 4.2 | Abdominal drain present on arrival from theatres | Y/N |  |  |  |  |
| 4.3 | Nasogastric tube present on arrival from theatres | Y/N |  |  |  |  |
| 4.4 | Highest pain score during recovery stay | None, Mild, Moderate, Severe, Unable to ascertain – Sedated, Unable to ascertain – Other |  |  |  |  |
| 5.1 | Maintenance IV fluids discontinued within 24hr of surgery ending | Y/N |  |  |  |  |
| 5.2 | Started drinking (free fluids) within 24hr of surgery ending | Y/N |  |  |  |  |
| 5.3 | Started eating (at least soft diet) within 24hr of surgery ending | Y/N |  |  |  |  |
|  | If no: did patient receive supplementary nutrition within 24hr of surgery ending? | Y/N | Apr 2019 |  |  |  |
| 5.3 i | What type of supplementary nutrition? | Enteral, Parenteral (TPN), Other | Apr 2019 |  |  |  |
| 5.4 | Mobilising from bed to chair with max assistance of one person within 24hr of surgery ending | Y/N |  |  |  |  |
| 6.1 | Patient still in hospital: | Y/N |  |  |  |  |
| 6.2 | If yes, Current location | ⬜ Ward care / Level 1/2/3/2-3 |  |  |  |  |
| 6.3 | Pulmonary | ⬜ New requirement for O2 therapy⬜ New requirement for respiratory support⬜ None of the above |  |  |  |  |
| 6.4 | Infection | ⬜ Currently on IV antibiotics⬜ Temperature >38°C in past 24hr⬜ None of the above |  |  |  |  |
| 6.5 | Gastrointestinal | ⬜ Unable to tolerate enteral diet (oral / tube feed)⬜ Nausea, vomiting or abdominal distension in past 24hr⬜ None of the above |  |  |  |  |
| 6.6 | Renal | ⬜ Oliguria (<500ml/24hr) in past 24hr⬜ In past 24hr, serum creatinine >30% of pre-op level⬜ In past 24hr, urethral catheter in-situ (not present pre-op)⬜ None of the above |  |  |  |  |
| 6.7 | Cardiovascular | ⬜ Hypotension in past 24hr requiring >200ml fluid bolus / pharmacological therapy⬜ New myocardial infarction / ischaemia in past 24hr⬜ Thrombotic event requiring anticoagulation in past 24hr⬜ Arrhythmia in past 24hr⬜ Cardiogenic pulmonary oedema in past 24hr⬜ None of the above |  |  |  |  |
| 6.8 | Neurological | ⬜ New neurological deficit in past 24hr⬜ Delirium / confusion in past 24hr⬜ Sedative-induced coma in past 24hr⬜ Non-sedative associated coma in past 24hr⬜ None of the above |  |  |  |  |
| 6.9 | Wound | ⬜ Wound dehiscence requiring surgical exploration in past 24hr⬜ Drainage of pus from operative wound, wound ooze or swab taken in past 24hr⬜ None of the above |  |  |  |  |
| 6.10 | Haematological | ⬜ Red cell transfusion in past 24hr⬜ Fresh frozen plasma / cryoprecipitate / platelets in past 24hr⬜ None of the above |  |  |  |  |
| 6.11 | Surgical pain in past 24hr significant enough to require | ⬜ Parenteral opioids⬜ Regional anaesthesia⬜ None of the above |  |  |  |  |
| 6.12 | In past 24hr patient has returned to baseline level of mobility | Y/N |  |  |  |  |
| 6.13 | Reason(s) why still requiring hospital admission | ⬜ Medical/ nursing care⬜ Mobility issue⬜ Awaiting social package to be set up⬜ Awaiting occupational therapy review⬜ Organisational failure (e.g. transport not booked)⬜ None of the above |  |  |  |  |
| 6.18 | Was creatinine value recorded after surgery (up to 7 days post-operatively)? | ⬜ Yes⬜ Patient has chronic renal failure with renal replacement therapy (RRT)⬜ Not recorded | Apr 2019 |  |  |  |
| 6.18a | Highest creatinine value recorded within 7 days after surgery |  | Apr 2019 |  |  |  |
| 6.18b | Required new renal replacement therapy (RRT) in last 7 days | Y/N | Apr 2019 |  |  |  |
| 7.1 | Discharge destination | Own home, Care home, Died, Withdrawn from study, Rehabilitation facility, Other hospital |  |  |  |  |
| 7.1a-c | Date of discharge / death / withdrawal |  |  | IDENTIFIABLE |  | Specify interval requested |
| 7.1a i | On discharge from hospital patient has patient been prescribed an opioid (including tramadol)? | ⬜ On opioids preoperatively and has been discharged with an opioid prescription⬜ On opioids preoperatively and has been discharged without an opioid prescription⬜ No opioid prescription (previously opioid naïve)⬜ New opioid prescription (previously opioid naïve) | Apr 2019 |  |  |  |
| 7.2 | Grade level of complications experienced by the patient | None/1/2/3A/3B/4A/4B/5 |  |  |  |  |
| 7.2a | Was patient treated for a suspected postoperative infection? | ⬜ None⬜ Surgical site infection⬜ Chest⬜ Urine / renal tract⬜ Neurological⬜ Empirical – patient unwell with suspected infection, but source unclear | Apr 2019 |  |  |  |
| 7.2b | Other complications | None, Cardiovascular, Respiratory, VTE, GI, Stroke, Delirium | Apr 2019 |  |  |  |
| Patient Questionnaires |
| Occupation | April 2019 |  |  |  |
| Pre-operative Pain – Ask 2 Questions | April 2019 |  |  |  |
| Pre-operative Smoking Cessation | April 2019 |  |  |  |
| Pre-operative Activity & Exercise | April 2019 |  |  |  |
| Quality of Recovery (QOR15) – pre-operative, day 3 post-op |  |  |  |  |
| EQ5D – pre-operative, 6 months, 12 months |  |  |  |  |
| WHODAS 2.0 – pre-operative, 6 months, 12 months |  |  |  |  |
| Bauer Patient Satisfaction – day 1 post-op |  |  |  |  |