# International Surgical Outcomes Study Case Record Form v2.3

**For use with Outcomes definitions guide**

**Age years Gender ⬜ M ⬜ F** **Current smoker ⬜ Y ⬜ N**

**ASA ⬜ I ⬜ II ⬜ III ⬜ IV Black ethnicity (eGFR) ⬜ Y ⬜ N**

**Chronic Disease (*tick all that apply*):**

**⬜ Coronary Artery Disease ⬜ Heart Failure**

**⬜ Diabetes Mellitus ⬜ Cirrhosis**

**⬜ Metastatic cancer ⬜ Stroke**

**⬜ COPD / Asthma ⬜ Other**

**Most recent blood results (no more than 28 days before surgery):**

**Haemoglobin . g/L Leucocytes . x109/L**

**Sodium mmol/L Creatinine . µmol/L**

4

0

1

2

M

0

D

D

m

m

H

H

**Anaesthesia induction time & date: :**

**Anaesthetic technique (*tick all that apply*)**

**⬜ General ⬜ Spinal ⬜ Epidural ⬜ Sedation / Local**

**Surgical procedure category (*single best answer*):**

**⬜ Orthopaedic ⬜ Breast**

**⬜ Obstetrics & Gynaecology ⬜ Urology & Kidney**

**⬜ Upper gastro-intestinal ⬜ Lower gastro-intestinal**

**⬜ Hepato-biliary ⬜ Vascular**

**⬜ Head and neck ⬜ Plastics / Cutaneous**

**⬜ Cardiac ⬜ Thoracic (lung & other)**

**⬜ Thoracic (gut) ⬜ Other**

**Severity of surgery ⬜ Minor ⬜ Intermediate ⬜ Major**

**Laparoscopic surgery ⬜ Y ⬜ N**

**Cancer surgery ⬜ Y ⬜ N**

**Surgical checklist used (eg WHO checklist) ⬜ Y ⬜ N**

**Critical care immediately after surgery ⬜ Y ⬜ N**

**Outcome after surgery**

**Infection**

**Superficial surgical site Mild ⬜ Moderate ⬜ Severe ⬜ None ⬜**

**Deep surgical site Mild ⬜ Moderate ⬜ Severe ⬜ None ⬜**

**Body cavity Mild ⬜ Moderate ⬜ Severe ⬜ None ⬜**

**Pneumonia Mild ⬜ Moderate ⬜ Severe ⬜ None ⬜**

**Urinary tract Mild ⬜ Moderate ⬜ Severe ⬜ None ⬜**

**Bloodstream Mild ⬜ Moderate ⬜ Severe ⬜ None ⬜**

**Cardiovascular**

**Myocardial infarction Mild ⬜ Moderate ⬜ Severe ⬜ None ⬜**

**Arrhythmia Mild ⬜ Moderate ⬜ Severe ⬜ None ⬜**

**Pulmonary oedema Mild ⬜ Moderate ⬜ Severe ⬜ None ⬜**

**Pulmonary embolism Mild ⬜ Moderate ⬜ Severe ⬜ None ⬜**

**Stroke Mild ⬜ Moderate ⬜ Severe ⬜ None ⬜**

**Cardiac arrest Severe ⬜ None ⬜**

**Other**

**Gastro-intestinal bleed Mild ⬜ Moderate ⬜ Severe ⬜ None ⬜**

**Acute kidney injury Mild ⬜ Moderate ⬜ Severe ⬜ None ⬜**

**Post-operative bleed Moderate ⬜ Severe ⬜ None ⬜**

**ARDS Mild ⬜ Moderate ⬜ Severe ⬜ None ⬜**

**Anastomotic leak Mild ⬜ Moderate ⬜ Severe ⬜ None ⬜**

**Other Mild ⬜ Moderate ⬜ Severe ⬜ None ⬜**

**Treatment for post-operative complications:**

**Drug therapy, blood transfusion or parenteral nutrition ⬜ Y ⬜ N**

**Surgical or radiological procedure ⬜ Y ⬜ N**

**Critical care admission ⬜ Y ⬜ N**

**Hours in Post-Anaesthetic Care Unit after surgery**

h

h

**Days in critical care after surgery**

d

d

**Days in hospital after surgery**

d

d

**Status at 30 days after surgery ⬜ Alive ⬜ Dead**

**Guidance for use of paper case record form (CRF)**

**Remove this page before use in data collection**

1. **This CRF is provided in a format which can be edited. If required, national co-ordinators should edit the blood results units to fit with those used in your country (eg most UK hospitals measure creatinine in µmol/L whilst in the USA mg/dL is standard). In some countries there will be differences in the use of units between hospitals so local edits may also be required. The internet based CRF will allow you to choose the units for each hospital.**
2. **Baseline data will often be readily available to anaesthetists during surgery whilst follow-up data on complications may be most easily collected by surgeons.**
3. **Investigators should write the patient name and date of birth on the CRF. When you enter the data on the internet based CRF you will receive an ISOS patient ID. Please write this on the paper CRF as well in case we need to contact you to check your data.**
4. **Please take care to enter the date clearly and correctly. Mistakes are common data describing time and date.**
5. **We only ask about black ethnicity to calculate estimated glomerular filtration rate.**