

## SUPPLEMENTARY FILE 1. Required data fields for all patients

<b>Patient characteristics</b>	
Patient ID	Local hospital field
Primary method of patient identification	Multidisciplinary team meeting / tumour board list, outpatient clinic list, theatre logbook, planned operating list, ward/handover list, staff memory
Age	Completed years
Gender	Male, Female, Unknown
Body mass index (weight (kg) / height <sup>2</sup> (metres))	Underweight (BMI <18.5) Normal weight (BMI 18.5 to 24.9) Overweight (BMI 25 to 30) Obese (BMI >30)
Unintentional weight loss (≥10% over 6 months, include clothes size ref in key)	No, Yes, Unknown
Performance status	0, 1, 2, 3, 4, Unknown
ASA score	I, II, III, IV, V, Unknown
Smoking status	No-never, Stopped >6 weeks ago, Yes-current smoker, Unknown
Diabetes	No Diet controlled Medication (non-insulin) controlled Insulin Controlled Unknown
Human Immunodeficiency Virus (HIV) tested	No, Yes-NEGATIVE, Yes-POSITIVE
<b>Pathway</b>	
Presentation	Symptomatic, screening, detected incidentally, unknown
Date of first consult for cancer symptoms (may be estimated)	DD/MM/YYYY
Who did the patient first consult for cancer symptoms?	Local clinic: family doctor / general practitioner Local clinic: nurse Local clinic: specialist doctor Hospital: out-patient clinic Hospital: in-patient Other/non-medical/traditional healer Unknown
Distance from home to hospital	< 10 km, 10-20 km, 20-50 km, 50-100 km, >100 km, Unknown
<b>Disease characteristics</b>	
Location	Breast, Gastric, Colorectal
<i>Cancer specific information</i>	<i>Fixed fields for each cancer (see specific cancer variables)</i>
<i>Diagnosis (what tests were performed pre-operatively, please tick all that apply)</i>	<i>Fixed fields for each cancer (see specific cancer variables)</i>
Clinical stage	TNM classification / Essential TNM Classification
<i>Neoadjuvant therapy</i>	<i>Fixed fields for each cancer (see specific cancer variables)</i>
<b>Operative characteristics</b>	
Date of admission	DD/MM/YY, 24 hour clock
Date and time of operation	DD/MM/YY, 24 hour clock
Urgency of operation	Elective, Emergency
Surgical intent (at completion of procedure)	Palliative, Curative
Was a surgical safety checklist used?	No-but available in this hospital, No-but available in this hospital, Yes, Unknown
<i>Primary operation performed</i>	<i>Fixed fields for each cancer (see specific cancer variables)</i>
<b>Pathology</b>	
Most valid basis for cancer diagnosis	Clinical only Imaging Exploratory surgery/endoscopy without histology Tumour specific markers Cytology Histology of metastasis (secondary deposit) Histology of primary
<i>Histology</i>	<i>Fixed fields for each cancer (see specific cancer variables)</i>
Size of invasive tumour	Centimetres

TNM (pathology)	
Number of INVOLVED lymph nodes in specimen	
TOTAL number of lymph nodes in specimen	
Histological grade	1, 2, 3, 4
Lymphatic or vascular invasion	No, Yes, Unknown
Resection margins	Fixed fields for each cancer (see specific cancer variables)
<b>Outcomes and adjuvant treatment</b>	
Length of postoperative stay	Continuous number of days
How was 30-day follow-up status achieved? (dropdown box)	Still an inpatient OR re-admitted Clinic review Telephone review Community/home review Discharged before 30 days and not contacted again
30-day mortality (if alive at the point of discharge and no follow-up information available, indicate Alive)	Alive, Dead (date of death), Unknown
30-day cancer-specific complications	Fixed fields for each cancer (see specific cancer variables)
30-day minor complication (CD I)	No, Yes, Unknown
30-day minor complication (CD II)	No, Yes, Unknown
30-day unexpected re-intervention (CD III)	No, Yes-NOT under general anaesthetic, Yes-under anaesthetic, Unknown
30-day unplanned critical care admission (CD IV)	No, Yes-single organ failure, Yes-multi organ failure, Unknown
30-day unplanned hospital readmission	No, Yes, Unknown
Surgical site infection	No Yes, no treatment/wound opened only (CD I) Yes, antibiotics only (CD II) Yes, return to operating theatre (CD III) Yes, requiring critical care admission (CD IV) Yes, resulting in death (CD V) Unknown
Post-operative haemorrhage	No Yes, no intervention required (CD I) Yes, drug treatment only (CD II) Yes, intervention required (CD III) Yes, critical care admission &/- intervention required (CD IV) Yes, resulting in death (CD V) Unknown
<i>Planned adjuvant treatment</i>	<i>Fixed fields for each cancer (see specific cancer variables)</i>

Those written in italics represent variables which have cancer-specific data points