Consent

Information for participant: Determining a minimal dataset for surgical patients in AfricaDear Colleague

Thank you for responding to our invitation to participate in 'Determining a minimal dataset for surgical patients in Africa'.

HypothesisThere is currently limited co-ordination of perioperative research in Africa. The African Perioperative Research Group (APORG) previously used a Delphi technique (an anonymous consensus building technique)[1] to determine the top ten national research priorities[2] for Africa. One of the priorities is the 'Establishment of a minimal dataset surgical registry' for Africa.

Internationally there is a call to improve access to surgery and safety of surgical and perioperative care.[3] To do this in Africa, we need to standardise perioperative data collection for surgical patients.

ConsentYour participation in this study is voluntary and will not be penalised. By selecting the agree button for each of the Delphi cycles you are consenting to complete the survey. Your responses are confidential, and all data are stored on a password protected electronic format.

Should you have any enquiries please contact Prof. Bruce Biccard on +27 (0)214045442. Should you have any questions about your rights regarding research, you can contact Human Research Ethics Committee at +27 (0)21 406 6338.

The studyDetermining the minimal dataset for surgical patients will be conducted and achieved using a Delphi method approach, which is an accepted method for achieving convergence of opinions concerning knowledge solicited from experts within specific fields, and has been adopted for priority setting in medicine.[4] This study will determine a minimal dataset for surgical patients that will be recorded to assist with perioperative research in Africa.

In the first round, an open email invitation will be sent to all national and hospital leaders who have participated in the ASOS studies. In the first round, the respondents will be asked to score the importance of suggested data points on a 9 point Likert scale (where 1 is least important and 9 is most important), and submit other potential data points for inclusion in a minimal dataset for surgical patients in Africa. The responses will be collated.The guidance for scoring is the following: i) Data points that have a median score between 1-3 will be considered unimportant and will be excluded from the dataset. ii) Data points that have a median score between 4-6 will be considered potentially important and may be included in the dataset. iii) Data points that have a median score between 7-9 will be considered important and will be included in the dataset.In the second round, the data points where 75% (majority opinion) were categorised as unimportant (Likert score 1-3) will not be included in further rounds. All other data points will be presented for round two with their median score from round 1. Responders will be asked to again score the suggested data points for the minimal dataset using the same 9-point Likert scale.The data points with consensus for inclusion (i.e. a 75% majority for Likert 7-9) after two rounds will be accepted as included in the minimal data set and removed from further inclusion in the Delphi process.Therefore, in the third round, only the proposed data points where consensus for inclusion was not reached (i.e. a majority for Likert 4-6) will be presented in the third round. If consensus is not reached after the third round these data points will not be included in the minimal data set.For the second and third rounds of the Delphi process, the respondents will be encouraged not to discuss their submissions with other colleagues to minimise bias.There will be the opportunity to discuss the proposed dataset, as a fourth round via an online, interactive session should the participants request this, as part of the consensus process.The minimal data set will include the data points with a majority (75%) of Likert scores of 7-9 after rounds two and three.

Thank you for considering participation in this important study.

Yours sincerely

Bruce Biccard

ReferencesBiccard BM, African Peri-operative Research Group working. Priorities for peri-operative research in Africa. Anaesthesia 2020; 75 Suppl 1: e28-e33.Biccard BM, Alphonsus CS, Bishop DG, et al. National priorities for perioperative research in South Africa. S Afr Med J 2016; 106(5): 485-8.Meara JG, Leather AJ, Hagander L, et al. Global Surgery 2030: evidence and solutions for achieving health, welfare, and economic development. Lancet 2015; 386(9993): 569-624.Hsu C-C, Sandford BA. The Delphi Technique: Making sense of consensus. Practical Assessment, Research and Evaluation 2007; 12(10): 1-8.

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1) I have read the above consent form and I consent to be   ○ Yes   ○ No
    included in this study

2) Full name of participant

    _____

3) Email address of participant

    _____

4) Mobile phone number of participant

    _____
(Format: +00 00 000 0000)

Minimum Dataset Round 1

Patient DatasetThe dataset proposed here has been developed based on data collected during the African Surgical Outcomes Study,[1] from which the ASOS risk calculator[2] was developed, and the maternal- and neonatal outcomes substudy of ASOS was developed.[3] A number of quality process indicators have been added, based on recommendations in a systematic review of perioperative quality indicators.[4] The use of these selected indicators are supported by level 1a or 1b evidence, according to the reviewers.

Biccard BM, Madiba TE, Kluyts HL, et al. Perioperative patient outcomes in the African Surgical Outcomes Study: a 7-day prospective observational cohort study. Lancet. 2018;391(10130):1589-1598. doi:10.1016/S0140-6736(18)30001-1;Kluyts H-L, le Manach Y, Munlemvo DM, et al. The ASOS Surgical Risk Calculator: development and validation of a tool for identifying African surgical patients at risk of severe postoperative complications. Br J Anaesth. 2018;121(6):1357-1363. doi:10.1016/j.bja.2018.08.005;Bishop D, Dyer RA, Maswime S, et al. Maternal and neonatal outcomes after caesarean delivery in the African Surgical Outcomes Study: a 7-day prospective observational cohort study. Lancet Glob Heal. 2019;7(4):e513-e522. doi:10.1016/S2214-109X(19)30036-1;Chazapis M, Gilhooly D, Smith AF, et al. Perioperative structure and process quality and safety indicators: a systematic review. Br J Anaesth. 2018;120(1):51-66. doi:10.1016/j.bja.2017.10.001

Preoperative

Please score the importance of suggested data points on a 9 point Likert scale (where 1 is least important and 9 is most important)The guidance for scoring is the following: Data points that have a median score between 1-3 will be considered unimportant and will be excluded from the dataset.
Data points that have a median score between 4-6 will be considered potentially important and may be included in the dataset.
Data points that have a median score between 7-9 will be considered important and will be included in the dataset. Please consider both the DESCRIPTION & the TYPE (e.g. nominal/ordinal/numerical) of each data point during the evaluation. Please comment if you believe the description of the data point could be improved, or if the data point could be better captured with an alternative type of data.

DescriptionTypeAgeInterval Data - Numerical

- ○ 1
- ○ 2
- ○ 3
- ○ 4
- ○ 5
- ○ 6
- ○ 7
- ○ 8
- ○ 9

Please justify your score

_____

Do you have any further comments? ○ Yes ○ No

Comments

_____

Do you want to upload a reference document or enter a reference

○ Upload reference document   ○ Enter reference   ○ No

Upload reference document

Please enter reference here

_____

DescriptionTypeSexNominal Data with
options:FemaleMaleOther

○ 1
○ 2
○ 3
○ 4
○ 5
○ 6
○ 7
○ 8
○ 9

Please justify your score

_____

Do you have any further comments?   ○ Yes   ○ No

Comments

_____

Do you want to upload a reference document or enter a reference

○ Upload reference document   ○ Enter reference   ○ No

Upload reference document

Please enter reference here

_____

DescriptionTypePreoperative anaesthetic assessment
more than 24 hours before surgeryNominal Data with
options:NoYesQuality Indicator

○ 1
○ 2
○ 3
○ 4
○ 5
○ 6
○ 7
○ 8
○ 9

Please justify your score

_____

Do you have any further comments?   ○ Yes   ○ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

_____

DescriptionTypeASA Physical Status
classificationOrdinal Data with options:IIIIIIIVV

◯ 1
◯ 2
◯ 3
◯ 4
◯ 5
◯ 6
◯ 7
◯ 8
◯ 9

Please justify your score

_____

Do you have any further comments?   ◯ Yes   ◯ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

_____

DescriptionTypeBMIOrdinal Data with
options:Underweight (< 18.5)Normal/healthy weight
(18.5-24.9)Overweight (25-29.9)Moderately obese
(30-34.9)Severely obese (35-39.9)Very severely obese
(>40)

◯ 1
◯ 2
◯ 3
◯ 4
◯ 5
◯ 6
◯ 7
◯ 8
◯ 9

Please justify your score

_____

Do you have any further comments?   ◯ Yes   ◯ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

_____

| DescriptionTypeCo-morbid diseaseNominal Data with options:Current smokerAsthmaCancerChronic Kidney Disease (Moderate/Severe)COPDCongestive heart failureDiabetes MellitusHIV infectionHypertensionIschaemic heart diseasePeripheral Vascular DiseaseStroke/TIACirrhosisChronic malnutritionDementiaDepression/Anxiety | ◯ 1 ◯ 2, ◯ 3 ◯ 4 ◯ 5 ◯ 6 ◯ 7 ◯ 8 ◯ 9 |

Please justify your score

_____

Do you have any further comments?   ◯ Yes   ◯ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

_____

| DescriptionTypeExpected risk of death estimated and documented prior to intervention and due adjustments made in urgency of care and seniority of staff involvedNominal Data with options:NoYesQuality Indicator | ◯ 1 ◯ 2 ◯ 3 ◯ 4 ◯ 5 ◯ 6 ◯ 7 ◯ 8 ◯ 9 |

Please justify your score

_____

projectredcap.org   **REDCap**

Do you have any further comments?   ◯ Yes   ◯ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

_____

DescriptionTypePreoperative B-type Natriuretic Peptide for cardiovascular risk stratification doneNominal Data with options:NoYes	◯ 1 ◯ 2 ◯ 3 ◯ 4 ◯ 5 ◯ 6 ◯ 7 ◯ 8 ◯ 9

Please justify your score

_____

Do you have any further comments?   ◯ Yes   ◯ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

_____

DescriptionTypePatient stopped smoking 1 month prior to surgeryNominal Data with options:NoYesNon-smokerQuality Indicator	◯ 1 ◯ 2 ◯ 3 ◯ 4 ◯ 5 ◯ 6 ◯ 7 ◯ 8 ◯ 9

Please justify your score

_____

Do you have any further comments?   ◯ Yes   ◯ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

_____

DescriptionTypePatient stopped his or her excessive alcohol intake 1 month prior to surgeryNominal Data with options:NoYesNo excessive alcohol intakeQuality Indicator	◯ 1 ◯ 2 ◯ 3 ◯ 4 ◯ 5 ◯ 6 ◯ 7 ◯ 8 ◯ 9

Do you have any further comments?   ◯ Yes   ◯ No

Please justify your score

_____

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

_____

DescriptionTypeAdequate preoperative fasting: clear fluids up to 2h prior to surgery, solids up to 6h prior to surgeryNominal Data with options:NoYesQuality Indicator

○ 1
○ 2
○ 3
○ 4
○ 5
○ 6
○ 7
○ 8
○ 9

Please justify your score

_____

Do you have any further comments?   ○ Yes   ○ No

Comments

_____

Do you want to upload a reference document or enter a reference

○ Upload reference document   ○ Enter reference   ○ No

Upload reference document

Please enter reference here

_____

DescriptionTypeNo routine administration of preoperative anaesthetic medication or sedationNominal Data with options:NoYesQuality Indicator

○ 1
○ 2
○ 3
○ 4
○ 5
○ 6
○ 7
○ 8
○ 9

Please justify your score

_____

Do you have any further comments?   ○ Yes   ○ No

Comments

_____

Do you want to upload a reference document or enter a reference

○ Upload reference document   ○ Enter reference   ○ No

Upload reference document

Please enter reference here

_____

DescriptionTypeMechanical bowel prep not used
routinely for colonic surgeryNominal Data with
options:NoYesQuality Indicator

- ○ 1
- ○ 2
- ○ 3
- ○ 4
- ○ 5
- ○ 6
- ○ 7
- ○ 8
- ○ 9

Please justify your score

_____

Do you have any further comments?   ○ Yes   ○ No

Comments

_____

Do you want to upload a reference document or enter a reference

○ Upload reference document   ○ Enter reference   ○ No

Upload reference document

Please enter reference here

_____

DescriptionTypePreoperative prophylactic
venothromboembolism therapyNominal Data with
options:NoYesQuality Indicator

- ○ 1
- ○ 2
- ○ 3
- ○ 4
- ○ 5
- ○ 6
- ○ 7
- ○ 8
- ○ 9

Please justify your score

_____

Do you have any further comments?   ○ Yes   ○ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

_____

DescriptionTypePreoperative oral carbohydrate treatment used routinely for non-diabetic patientNominal Data with options:NoYesQuality Indicator	
	◯ 1
	◯ 2
	◯ 3
	◯ 4
	◯ 5
	◯ 6
	◯ 7
	◯ 8
	◯ 9

Please justify your score

_____

Do you have any further comments?   ◯ Yes   ◯ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

_____

DescriptionTypeDate of creatinine testInterval Data with format:DD/MM/YYYY	
	◯ 1
	◯ 2
	◯ 3
	◯ 4
	◯ 5
	◯ 6
	◯ 7
	◯ 8
	◯ 9

Please justify your score

_____

Do you have any further comments?   ◯ Yes   ◯ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

_____

DescriptionTypeMost recent s-creatinine value mmol/LInterval Data - Numerical	◯ 1 ◯ 2 ◯ 3 ◯ 4 ◯ 5 ◯ 6 ◯ 7 ◯ 8 ◯ 9

Please justify your score

_____

Do you have any further comments?   ◯ Yes   ◯ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

_____

DescriptionTypeDate of haemoglobin testInterval Data with format:DD/MM/YYYY	◯ 1 ◯ 2 ◯ 3 ◯ 4 ◯ 5 ◯ 6 ◯ 7 ◯ 8 ◯ 9

Please justify your score

_____

Do you have any further comments?	○ Yes ○ No

Comments

_____

Do you want to upload a reference document or enter a reference

○ Upload reference document   ○ Enter reference   ○ No

Upload reference document

Please enter reference here

_____

DescriptionTypeHaemoglobin g/dLInterval Data - Numerical	○ 1 ○ 2 ○ 3 ○ 4 ○ 5 ○ 6 ○ 7 ○ 8 ○ 9

Please justify your score

_____

Do you have any further comments?	○ Yes ○ No

Comments

_____

Do you want to upload a reference document or enter a reference

○ Upload reference document   ○ Enter reference   ○ No

Upload reference document

Please enter reference here

_____

DescriptionTypeLeucocytes x109/LInterval Data - Numerical	○ 1 ○ 2 ○ 3 ○ 4 ○ 5 ○ 6 ○ 7 ○ 8 ○ 9

Please justify your score

_____

Do you have any further comments?   ◯ Yes   ◯ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

_____

DescriptionTypeSurgeonText - identified with code e.g. professional registration number

◯ 1
◯ 2
◯ 3
◯ 4
◯ 5
◯ 6
◯ 7
◯ 8
◯ 9

Please justify your score

_____

Do you have any further comments?   ◯ Yes   ◯ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

_____

DescriptionTypeAnaesthetistText - identified with code
e.g. professional registration number

- ○ 1
- ○ 2
- ○ 3
- ○ 4
- ○ 5
- ○ 6
- ○ 7
- ○ 8
- ○ 9

Please justify your score

_____

Do you have any further comments?   ○ Yes   ○ No

Comments

_____

Do you want to upload a reference document or enter a reference

○ Upload reference document   ○ Enter reference   ○ No

Upload reference document

Please enter reference here

_____

DescriptionTypeHospitalText - identified with code
e.g. organisation practice number

- ○ 1
- ○ 2
- ○ 3
- ○ 4
- ○ 5
- ○ 6
- ○ 7
- ○ 8
- ○ 9

Please justify your score

_____

Do you have any further comments?   ○ Yes   ○ No

Comments

_____

Do you want to upload a reference document or enter a reference

○ Upload reference document   ○ Enter reference   ○ No

Upload reference document

Please enter reference here

_____

DescriptionTypeMost senior anaesthetist present in operating roomOrdinal Data with options:SpecialistPhysician non specialistNon-physician or nurse anaesthetistNo anaethetist

○ 1
○ 2
○ 3
○ 4
○ 5
○ 6
○ 7
○ 8
○ 9

Please justify your score

_____

Do you have any further comments?   ○ Yes   ○ No

Comments

_____

Do you want to upload a reference document or enter a reference

○ Upload reference document   ○ Enter reference   ○ No

Upload reference document

Please enter reference here

_____

DescriptionTypeThe most senior surgeon in the operating room: Indicate years of experience working as primary responsible surgeonOrdinal Data with options:< 1 year1-2 years2-5 years5-10 years> 10 years

○ 1
○ 2
○ 3
○ 4
○ 5
○ 6
○ 7
○ 8
○ 9

Please justify your score

_____

Do you have any further comments?   ○ Yes   ○ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

_____

DescriptionTypePlanned date of surgeryInterval Data
with format:DD/MM/YYYY

◯ 1
◯ 2
◯ 3
◯ 4
◯ 5
◯ 6
◯ 7
◯ 8
◯ 9

Please justify your score

_____

Do you have any further comments?   ◯ Yes   ◯ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

_____

DescriptionTypeDate of admission to hospitalInterval
Data with format:DD/MM/YYYY

◯ 1
◯ 2
◯ 3
◯ 4
◯ 5
◯ 6
◯ 7
◯ 8
◯ 9

Please justify your score

_____

Do you have any further comments?   ◯ Yes   ◯ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

_____

DescriptionTypeSurgery cancelled on dayNominal Data
with options:NoYes

◯ 1
◯ 2
◯ 3
◯ 4
◯ 5
◯ 6
◯ 7
◯ 8
◯ 9

Please justify your score

_____

Do you have any further comments?   ◯ Yes   ◯ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

_____

DescriptionTypeReason for cancellationNominal Data
with options:Patient not fit for surgeryLack of
correct equipment (choice of prosthesis etc.)Not
enough time for the proposed surgeryPatient refuses
operationOther reason

◯ 1
◯ 2
◯ 3
◯ 4
◯ 5
◯ 6
◯ 7
◯ 8
◯ 9

Please justify your score

_____

Do you have any further comments?   ◯ Yes   ◯ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

_____

PROCEDURE

Please score the importance of suggested data points on a 9 point Likert scale (where 1 is least important and 9 is most important)The guidance for scoring is the following: Data points that have a median score between 1-3 will be considered unimportant and will be excluded from the dataset.
Data points that have a median score between 4-6 will be considered potentially important and may be included in the dataset.
Data points that have a median score between 7-9 will be considered important and will be included in the dataset.
Please consider both the DESCRIPTION & the TYPE (e.g. nominal/ordinal/numerical) of each data point during the evaluation. Please comment if you believe the description of the data point could be improved, or if the data point could be better captured with an alternative type of data.

DescriptionTypeUrgency of surgeryOrdinal Data with options:ElectiveSemi-electiveUrgentEmergentPlease comment specifically on the definition - Elective: scheduled in advance, postponement of the surgery for 3 months will not alter outcome. Semi-elective: preserve the patient's life or limb/prevent longer term systemic morbidity. Urgent: can wait until patient is medically stable, should generally be done within 2 days. Emergent: must be performed without delay

○ 1
○ 2
○ 3
○ 4
○ 5
○ 6
○ 7
○ 8
○ 9

Please justify your score

_____

Do you have any further comments?　　　○ Yes　○ No

Comments

_____

Do you want to upload a reference document or enter a reference

○ Upload reference document　　○ Enter reference　　○ No

Upload reference document

Please enter reference here

_____

DescriptionTypeEmergency surgery triageOrdinal Data with options:RedOrangeYellowGreenBluePlease comment specifically on the definition - World Society of Emergency Surgery ideal Time To Surgery from diagnosis: 1 -Immediate surgery 2 - Within 1 hour 3 -Within 6 hours 4 - Within 12 hours 5 - Within 24 or 48 hours

○ 1
○ 2
○ 3
○ 4
○ 5
○ 6
○ 7
○ 8
○ 9

Please justify your score

_____

Do you have any further comments?　　　○ Yes　○ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document ◯ Enter reference ◯ No

Upload reference document

Please enter reference here

_____

DescriptionTypeSeverity of surgeryOrdinal Data with options:MinorIntermediateMajorPlease comment specifically on the definition - Minor: lasting less than 30 minutes, often involve extremities/body surface or brief diagnostic & therapeutic procedures e.g. arthroscopy without intervention removal of small cutaneous tumour, diagnostic proctology, biopsy of small lesions, etc. Intermediate: more prolonged/complex, may pose risk of significant complications/tissue injury e.g. laparoscopic cholecystectomy, arthroscopy with intervention, bilateral varicose vein removal, tonsillectomy, inguinal hernia repair, breast lump resection, haemorrhoidectomy, appendectomy, partial thyroidectomy, cataract surgery, uvuloplasty, minimally invasive repair of vaginal prolapse, vaginal hysterectomy, tendon repair of hand, fixation of mandibular fracture, etc. Major: last more than 90 minutes e.g. major gut resection, major joint replacement, mastectomy, extensive head and neck tumour resection, abdominal aortic aneurysm repair, major vascular bypass procedure, procedures involving free flap to repair tissue defect, amputation, total thyroidectomy, cystectomy, trans-urethral resection of prostate, resection of liver tumour, carotid endarterectomy, nephrectomy, total abdominal hysterectomy, spinal discectomy, etc.

◯ 1
◯ 2
◯ 3
◯ 4
◯ 5
◯ 6
◯ 7
◯ 8
◯ 9

Please justify your score

_____

Do you have any further comments?   ◯ Yes   ◯ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document ◯ Enter reference ◯ No

Upload reference document

Please enter reference here

_____

DescriptionTypePrimary indication for surgeryNominal
Data with options:InfectiveNon-communicable
diseaseTraumatic injuryCaesarian section

- ◯ 1
- ◯ 2
- ◯ 3
- ◯ 4
- ◯ 5
- ◯ 6
- ◯ 7
- ◯ 8
- ◯ 9

Please justify your score

_____

Do you have any further comments?   ◯ Yes   ◯ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

_____

DescriptionTypeSurgical procedure category (select
single most appropriate)Nominal Data with
options:OrthopaedicBreastObstetricsGynaecologyUpper
gastro-intestinalLower
gastro-intestinalHepato-biliaryUrology &
KidneyVascularHead and neckPlastics /
CutaneousCardiacThoracic (lung & other)Thoracic
(gut)NeurosurgeryOther

- ◯ 1
- ◯ 2
- ◯ 3
- ◯ 4
- ◯ 5
- ◯ 6
- ◯ 7
- ◯ 8
- ◯ 9

Please justify your score

_____

Do you have any further comments?   ◯ Yes   ◯ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

_____

Do you want to review obstetric-specific data as part   ◯ Yes   ◯ No
of the minimal dataset?

DescriptionTypeMaternal conditionsNominal Data with   ◯ 1
options:Pre-eclampsiaEclampsiaCardiac diseasePlacenta   ◯ 2,
praeviaPlacenta abruptionRuptured   ◯ 3
uterusSepsisAntepartum haemorrhageNone of the above   ◯ 4
                                                              ◯ 5
                                                              ◯ 6
                                                              ◯ 7
                                                              ◯ 8
                                                              ◯ 9

Please justify your score

_____

Do you have any further comments?   ◯ Yes   ◯ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

_____

DescriptionTypeParityInterval Data - Numerical   ◯ 1
                                                              ◯ 2,
                                                              ◯ 3
                                                              ◯ 4
                                                              ◯ 5
                                                              ◯ 6
                                                              ◯ 7
                                                              ◯ 8
                                                              ◯ 9

Please justify your score

_____

Do you have any further comments?	○ Yes ○ No

Comments

_____

Do you want to upload a reference document or enter a reference

○ Upload reference document   ○ Enter reference   ○ No

Upload reference document

Please enter reference here

_____

DescriptionTypeGravityInterval Data - Numerical	○ 1 ○ 2, ○ 3 ○ 4 ○ 5 ○ 6 ○ 7 ○ 8 ○ 9

Please justify your score

_____

Do you have any further comments?	○ Yes ○ No

Comments

_____

Do you want to upload a reference document or enter a reference

○ Upload reference document   ○ Enter reference   ○ No

Upload reference document

Please enter reference here

_____

DescriptionTypeGestational ageInterval Data - Numerical	○ 1 ○ 2, ○ 3 ○ 4 ○ 5 ○ 6 ○ 7 ○ 8 ○ 9

Please justify your score

_____

Do you have any further comments? ◯ Yes   ◯ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

_____

DescriptionTypeNumber of foetusesOrdinal Data with options:OneTwoThree or more	◯ 1
	◯ 2,
	◯ 3
	◯ 4
	◯ 5
	◯ 6
	◯ 7
	◯ 8
	◯ 9

Please justify your score

_____

Do you have any further comments? ◯ Yes   ◯ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

_____

DescriptionTypeFoetal distress presentNominal Data
with options:NoYes

- ◯ 1
- ◯ 2,
- ◯ 3
- ◯ 4
- ◯ 5
- ◯ 6
- ◯ 7
- ◯ 8
- ◯ 9

Please justify your score

_____

Do you have any further comments?   ◯ Yes   ◯ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

_____

DescriptionTypeDate of procedureInterval Data with
format:DD/MM/YYYY

- ◯ 1
- ◯ 2,
- ◯ 3
- ◯ 4
- ◯ 5
- ◯ 6
- ◯ 7
- ◯ 8
- ◯ 9

Please justify your score

_____

Do you have any further comments?   ◯ Yes   ◯ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

_____

DescriptionTypeStart time (enter OR)Interval Data with format:HH/MM (24 hr clock)	
	○ 1
	○ 2,
	○ 3
	○ 4
	○ 5
	○ 6
	○ 7
	○ 8
	○ 9

Please justify your score

_____

Do you have any further comments?   ○ Yes   ○ No

Comments

_____

Do you want to upload a reference document or enter a reference

○ Upload reference document   ○ Enter reference   ○ No

Upload reference document

Please enter reference here

_____

DescriptionTypeInduction TimeInterval Data with format:HH/MM (24 hr clock)	
	○ 1
	○ 2,
	○ 3
	○ 4
	○ 5
	○ 6
	○ 7
	○ 8
	○ 9

Please justify your score

_____

Do you have any further comments?   ○ Yes   ○ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

_____

DescriptionTypeReady for surgical field preparation
timeInterval Data with format:HH/MM (24 hr clock)

◯ 1
◯ 2,
◯ 3
◯ 4
◯ 5
◯ 6
◯ 7
◯ 8
◯ 9

Please justify your score

_____

Do you have any further comments?   ◯ Yes   ◯ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

_____

DescriptionTypeCutting timeInterval Data with
format:HH/MM (24 hr clock)

◯ 1
◯ 2,
◯ 3
◯ 4
◯ 5
◯ 6
◯ 7
◯ 8
◯ 9

Please justify your score

_____

Do you have any further comments?   ◯ Yes   ◯ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

_____

DescriptionTypeDressing onInterval Data with format:HH/MM (24 hr clock)	◯ 1 ◯ 2, ◯ 3 ◯ 4 ◯ 5 ◯ 6 ◯ 7 ◯ 8 ◯ 9

Please justify your score

_____

Do you have any further comments?   ◯ Yes   ◯ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

_____

DescriptionTypeDuration of surgeryInterval Data - numericalIn minutes	◯ 1 ◯ 2 ◯ 3 ◯ 4 ◯ 5 ◯ 6 ◯ 7 ◯ 8 ◯ 9

Please justify your score

_____

Do you have any further comments?	◯ Yes ◯ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

_____

DescriptionTypeHandover time in recovery roomInterval Data with format:HH/MM (24 hr clock)	◯ 1 ◯ 2, ◯ 3 ◯ 4 ◯ 5 ◯ 6 ◯ 7 ◯ 8 ◯ 9

Please justify your score

_____

Do you have any further comments?	◯ Yes ◯ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

_____

DescriptionTypeSurgical diagnosisText - identified with codePlease comment specifically on the preferred coding system, e.g. International Classification of Diseases (ICD)	◯ 1 ◯ 2, ◯ 3 ◯ 4 ◯ 5 ◯ 6 ◯ 7 ◯ 8 ◯ 9

projectredcap.org   **REDCap®**

Please justify your score

_____

Do you have any further comments?　　　　　　　○ Yes　　○ No

Comments

_____

Do you want to upload a reference document or enter a reference

○ Upload reference document　　○ Enter reference　　○ No

Upload reference document

Please enter reference here

_____

DescriptionTypeProcedural codeText - identified with codePlease comment specifically on the preferred coding system, e.g. Clinical Procedural Terminology (CPT) -based, International Classification of Health Interventions (ICHI), national procedural coding system	○ 1 ○ 2, ○ 3 ○ 4 ○ 5 ○ 6 ○ 7 ○ 8 ○ 9

Please justify your score

_____

Do you have any further comments?　　　　　　　○ Yes　　○ No

Comments

_____

Do you want to upload a reference document or enter a reference

○ Upload reference document　　○ Enter reference　　○ No

Upload reference document

Please enter reference here

_____

DescriptionTypeAnaesthetic planNominal Data with options:GeneralRegionalSpinalEpiduralTIVA/TCISedationMonitored Anaesthesia Care

- ○ 1
- ○ 2,
- ○ 3
- ○ 4
- ○ 5
- ○ 6
- ○ 7
- ○ 8
- ○ 9

Please justify your score

_____

Do you have any further comments?   ○ Yes   ○ No

Comments

_____

Do you want to upload a reference document or enter a reference

○ Upload reference document   ○ Enter reference   ○ No

Upload reference document

Please enter reference here

_____

DescriptionTypeRegional anaesthesia: type of blocksText

- ○ 1
- ○ 2
- ○ 3
- ○ 4
- ○ 5
- ○ 6
- ○ 7
- ○ 8
- ○ 9

Please justify your score

_____

Do you have any further comments?   ○ Yes   ○ No

Comments

_____

Do you want to upload a reference document or enter a reference

○ Upload reference document   ○ Enter reference   ○ No

Upload reference document

Please enter reference here

_____

DescriptionTypeMonitoring (excluding standard monitoring)Nominal Data with options:TemperatureNMTBIS/EntropyNIRSCardiac OutputAEP/VEP

○ 1
○ 2
○ 3
○ 4
○ 5
○ 6
○ 7
○ 8
○ 9

Please justify your score

_____

Do you have any further comments?　　　　○ Yes　　○ No

Comments

_____

Do you want to upload a reference document or enter a reference

○ Upload reference document　　○ Enter reference　　○ No

Upload reference document

Please enter reference here

_____

DescriptionTypeCrystalloid volume (total volume)Interval Data - NumericalIn millilitre

○ 1
○ 2
○ 3
○ 4
○ 5
○ 6
○ 7
○ 8
○ 9

Please justify your score

_____

Do you have any further comments?　　　　○ Yes　　○ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

_____

DescriptionTypeColloid volume (total volume)Interval
Data - NumericalIn millilitre

◯ 1
◯ 2
◯ 3
◯ 4
◯ 5
◯ 6
◯ 7
◯ 8
◯ 9

Please justify your score

_____

Do you have any further comments?   ◯ Yes   ◯ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

_____

DescriptionTypeBlood loss during surgeryInterval Data
- NumericalIn millilitre

◯ 1
◯ 2
◯ 3
◯ 4
◯ 5
◯ 6
◯ 7
◯ 8
◯ 9

Please justify your score

_____

Do you have any further comments?   ◯ Yes   ◯ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

_____

DescriptionTypeRed blood cell transfusion (total volume)Interval Data - NumericalIn millilitre	
	◯ 1
	◯ 2
	◯ 3
	◯ 4
	◯ 5
	◯ 6
	◯ 7
	◯ 8
	◯ 9

Please justify your score

_____

Do you have any further comments?   ◯ Yes   ◯ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

_____

DescriptionTypeProphylactic antibiotics are administered within 60 min before start of surgeryNominal Data with options:NoYesQuality Indicator	
	◯ 1
	◯ 2
	◯ 3
	◯ 4
	◯ 5
	◯ 6
	◯ 7
	◯ 8
	◯ 9

Please justify your score

_____

Do you have any further comments?	○ Yes ○ No

Comments

_____

Do you want to upload a reference document or enter a reference

○ Upload reference document   ○ Enter reference   ○ No

Upload reference document

Please enter reference here

_____

DescriptionTypeNormothermia (temperature >36.0°C) maintainedNominal Data with options:NoYesQuality Indicator	○ 1 ○ 2 ○ 3 ○ 4 ○ 5 ○ 6 ○ 7 ○ 8 ○ 9

Please justify your score

_____

Do you have any further comments?	○ Yes ○ No

Comments

_____

Do you want to upload a reference document or enter a reference

○ Upload reference document   ○ Enter reference   ○ No

Upload reference document

Please enter reference here

_____

DescriptionTypeHair removal done with clippers (not a razor)Nominal Data with options:NoYesQuality Indicator	○ 1 ○ 2 ○ 3 ○ 4 ○ 5 ○ 6 ○ 7 ○ 8 ○ 9

Please justify your score

_____

Do you have any further comments?   ◯ Yes   ◯ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

_____

DescriptionTypeMultimodal approach for postoperative nausea and vomiting prophylaxis in patient with ≥ 2 risk factorsNominal Data with options:NoYesQuality Indicator	
	◯ 1
	◯ 2
	◯ 3
	◯ 4
	◯ 5
	◯ 6
	◯ 7
	◯ 8
	◯ 9

Please justify your score

_____

Do you have any further comments?   ◯ Yes   ◯ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

_____

DescriptionTypeOptimised perioperative fluid management: targeting cardiac output, avoiding over-hydration, and judicious use of vasopressors.Nominal Data with options:NoYesQuality Indicator

○ 1
○ 2
○ 3
○ 4
○ 5
○ 6
○ 7
○ 8
○ 9

Please justify your score

_____

Do you have any further comments?   ○ Yes   ○ No

Comments

_____

Do you want to upload a reference document or enter a reference

○ Upload reference document   ○ Enter reference   ○ No

Upload reference document

Please enter reference here

_____

DescriptionTypeCentral venous catheter was inserted with all elements of sterile barrier technique followedNominal Data with options:NoYesQuality Indicator

○ 1
○ 2
○ 3
○ 4
○ 5
○ 6
○ 7
○ 8
○ 9

Please justify your score

_____

Do you have any further comments?   ○ Yes   ○ No

Comments

_____

Do you want to upload a reference document or enter a reference

○ Upload reference document   ○ Enter reference   ○ No

Upload reference document

Please enter reference here

_____

DescriptionTypeEpidural analgesia used intraoperativelyNominal Data with options:NoYesQuality Indicator

○ 1
○ 2
○ 3
○ 4
○ 5
○ 6
○ 7
○ 8
○ 9

Please justify your score

_____

Do you have any further comments?　　　　○ Yes　　○ No

Comments

_____

Do you want to upload a reference document or enter a reference

○ Upload reference document　　○ Enter reference　　○ No

Upload reference document

Please enter reference here

_____

DescriptionTypeSurgical field preparation with chlorhexidine-alcoholNominal Data with options:NoYesQuality Indicator

○ 1
○ 2
○ 3
○ 4
○ 5
○ 6
○ 7
○ 8
○ 9

Please justify your score

_____

Do you have any further comments?　　　　○ Yes　　○ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

_____

DescriptionTypeAdequate perioperative management of patient's current medicationsNominal Data with options:NoYesQuality Indicator

◯ 1
◯ 2
◯ 3
◯ 4
◯ 5
◯ 6
◯ 7
◯ 8
◯ 9

Please justify your score

_____

Do you have any further comments?   ◯ Yes   ◯ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

_____

DescriptionTypeNo systemic morphine used intraoperativelyNominal Data with options:NoYesQuality Indicator

◯ 1
◯ 2,
◯ 3
◯ 4
◯ 5
◯ 6
◯ 7
◯ 8
◯ 9

Please justify your score

_____

Do you have any further comments?   ◯ Yes   ◯ No

Comments

_____

Do you want to upload a reference document or enter a reference

○ Upload reference document   ○ Enter reference   ○ No

Upload reference document

Please enter reference here

_____

DescriptionTypeAdministration of tranexamic acidNominal Data with options:NoYes

○ 1
○ 2,
○ 3
○ 4
○ 5
○ 6
○ 7
○ 8
○ 9

Please justify your score

_____

Do you have any further comments?   ○ Yes   ○ No

Comments

_____

Do you want to upload a reference document or enter a reference

○ Upload reference document   ○ Enter reference   ○ No

Upload reference document

Please enter reference here

_____

DescriptionTypeInsulin administeredNominal Data with options:NoYes

○ 1
○ 2,
○ 3
○ 4
○ 5
○ 6
○ 7
○ 8
○ 9

Please justify your score

_____

Do you have any further comments?　　　　　　　○ Yes　○ No

Comments

_____

Do you want to upload a reference document or enter a reference

○ Upload reference document　　○ Enter reference　　○ No

Upload reference document

Please enter reference here

_____

DescriptionTypeAnaesthetic complicationsNominal Data with options:Failed intubationAspirationCardiac arrestSevere hypoxiaNone of the above	○ 1 ○ 2, ○ 3 ○ 4 ○ 5 ○ 6 ○ 7 ○ 8 ○ 9

Please justify your score

_____

Do you have any further comments?　　　　　　　○ Yes　○ No

Comments

_____

Do you want to upload a reference document or enter a reference

○ Upload reference document　　○ Enter reference　　○ No

Upload reference document

Please enter reference here

_____

POSTOPERATIVE

Please score the importance of suggested data points on a 9 point Likert scale (where 1 is least important and 9 is most important)The guidance for scoring is the following: Data points that have a median score between 1-3 will be considered unimportant and will be excluded from the dataset.
Data points that have a median score between 4-6 will be considered potentially important and may be included in the dataset.
Data points that have a median score between 7-9 will be considered important and will be included in the dataset.
Please consider both the DESCRIPTION & the TYPE (e.g. nominal/ordinal/numerical) of each data point during the evaluation. Please comment if you believe the description of the data point could be improved, or if the data point could be better captured with an alternative type of data.

DescriptionTypeDuration of post-anaesthesia care unit (PACU) stay in minutesInterval Data - Numerical

- ○ 1
- ○ 2
- ○ 3
- ○ 4
- ○ 5
- ○ 6
- ○ 7
- ○ 8
- ○ 9

Please justify your score

_____

Do you have any further comments?   ○ Yes   ○ No

Do you want to upload a reference document or enter a reference

○ Upload reference document   ○ Enter reference   ○ No

Upload reference document

Please enter reference here

_____

DescriptionTypeCritical care immediately after surgeryNominal Data with options:NoYes

- ○ 1
- ○ 2
- ○ 3
- ○ 4
- ○ 5
- ○ 6
- ○ 7
- ○ 8
- ○ 9

Please justify your score

_____

Do you have any further comments?   ○ Yes   ○ No

Comments

_____

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

_____

DescriptionTypeDuration of ICU stay Category 1 in calendar daysInterval Data - Numerical Please comment specifically on the definition - Intensive Care Category 1 (High Care) : Cases requiring intensive monitoring (to include cases where physiological instability is anticipated e.g. diabetic pre-coma, asthma, gastro-intestinal haemorrhage, etc.)	◯ 1 ◯ 2 ◯ 3 ◯ 4 ◯ 5 ◯ 6 ◯ 7 ◯ 8 ◯ 9

Please justify your score

_____

Do you have any further comments?   ◯ Yes   ◯ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

_____

DescriptionTypeDuration of ICU stay Category 2 in calendar daysInterval Data - Numerical Please comment specifically on the definition - Intensive Care Category 2 (ICU): Cases requiring active system support (where active specialised intervention is required in cases such as acute myocardial infarction, diabetic coma, head injury, severe asthma, acute pancreatitis, eclampsia, flail chest, etc. Ventilation may or may not be part of the active system support)	◯ 1 ◯ 2 ◯ 3 ◯ 4 ◯ 5 ◯ 6 ◯ 7 ◯ 8 ◯ 9

Please justify your score

_____

Do you have any further comments? ○ Yes ○ No

Comments

_____

Do you want to upload a reference document or enter a reference

○ Upload reference document   ○ Enter reference   ○ No

Upload reference document

Please enter reference here

_____

DescriptionTypeDuration of ICU stay Category 3 in calendar daysInterval Data - Numerical Please comment specifically on the definition - Intensive Care Category 3 (ICU): Cases with multiple organ failure or Category 2 patients which may require multidisciplinary intervention

○ 1
○ 2
○ 3
○ 4
○ 5
○ 6
○ 7
○ 8
○ 9

Please justify your score

_____

Do you have any further comments? ○ Yes ○ No

Comments

_____

Do you want to upload a reference document or enter a reference

○ Upload reference document   ○ Enter reference   ○ No

Upload reference document

Please enter reference here

_____

DescriptionTypeUnplanned ICU admission: any admission to ICU other than planned transfer from OR/PACU.Nominal Data with options:NoYes

○ 1
○ 2
○ 3
○ 4
○ 5
○ 6
○ 7
○ 8
○ 9

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Please justify your score

_____

Do you have any further comments?   ◯ Yes   ◯ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

_____

DescriptionTypeDuration of mechanical ventilation in hoursInterval Data - Numerical	◯ 1 ◯ 2 ◯ 3 ◯ 4 ◯ 5 ◯ 6 ◯ 7 ◯ 8 ◯ 9

Please justify your score

_____

Do you have any further comments?   ◯ Yes   ◯ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

_____

DescriptionTypeLength or duration of hospital stay in calendar daysInterval Data - Numerical

- ○ 1
- ○ 2
- ○ 3
- ○ 4
- ○ 5
- ○ 6
- ○ 7
- ○ 8
- ○ 9

Please justify your score

_____

Do you have any further comments?   ○ Yes   ○ No

Comments

_____

Do you want to upload a reference document or enter a reference

○ Upload reference document   ○ Enter reference   ○ No

Upload reference document

Please enter reference here

_____

DescriptionTypeDate of discharge from hospitalInterval Data with format:DD/MM/YYYY

- ○ 1
- ○ 2
- ○ 3
- ○ 4
- ○ 5
- ○ 6
- ○ 7
- ○ 8
- ○ 9

Please justify your score

_____

Do you have any further comments?   ○ Yes   ○ No

Comments

_____

Do you want to upload a reference document or enter a reference

○ Upload reference document   ○ Enter reference   ○ No

Upload reference document

Please enter reference here

_____

DescriptionTypeAlive at discharge from hospitalNominal
Data with options:NoYes

- ○ 1
- ○ 2
- ○ 3
- ○ 4
- ○ 5
- ○ 6
- ○ 7
- ○ 8
- ○ 9

Please justify your score

_____

Do you have any further comments?   ○ Yes   ○ No

Comments

_____

Do you want to upload a reference document or enter a reference

○ Upload reference document   ○ Enter reference   ○ No

Upload reference document

Please enter reference here

_____

DescriptionTypeEnhanced recovery used
perioperativelyNominal Data with options:NoYes

- ○ 1
- ○ 2
- ○ 3
- ○ 4
- ○ 5
- ○ 6
- ○ 7
- ○ 8
- ○ 9

Please justify your score

_____

Do you have any further comments?   ○ Yes   ○ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

_____

DescriptionTypeThe day the patient is READY for discharge based on clinical assessmentInterval Data with format:DD/MM/YYYY

◯ 1
◯ 2
◯ 3
◯ 4
◯ 5
◯ 6
◯ 7
◯ 8
◯ 9

Please justify your score

_____

Do you have any further comments?   ◯ Yes   ◯ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

_____

DescriptionTypeReason for early dischargeNominal Data with options:Lack of beds/lack of resources to keep the patient hospitalisedThe patient does not have the potential to reach clinical discharge criteria

◯ 1
◯ 2
◯ 3
◯ 4
◯ 5
◯ 6
◯ 7
◯ 8
◯ 9

Please justify your score

_____

Do you have any further comments?   ◯ Yes   ◯ No

REDCap

Comments

_____

Do you want to upload a reference document or enter a reference

○ Upload reference document   ○ Enter reference   ○ No

Upload reference document

Please enter reference here

_____

DescriptionTypeDischarge destinationNominal Data with options:Home or familyNursing homeRehabilitation facilityOther hospital	
	○ 1
	○ 2
	○ 3
	○ 4
	○ 5
	○ 6
	○ 7
	○ 8
	○ 9

Please justify your score

_____

Do you have any further comments?   ○ Yes   ○ No

Comments

_____

Do you want to upload a reference document or enter a reference

○ Upload reference document   ○ Enter reference   ○ No

Upload reference document

Please enter reference here

_____

DescriptionTypeNeonatal status at hospital discharge or 30th postoperative in-hospital day 0Nominal Data with options:AliveDead	
	○ 1
	○ 2
	○ 3
	○ 4
	○ 5
	○ 6
	○ 7
	○ 8
	○ 9

Please justify your score

_____

Do you have any further comments?   ○ Yes   ○ No

Comments

_____

Do you want to upload a reference document or enter a reference

○ Upload reference document   ○ Enter reference   ○ No

Upload reference document

Please enter reference here

_____

DescriptionTypeNeonatal status of second neonate at hospital discharge or 30th postoperative in-hospital dayNominal Data with options:AliveDead

○ 1
○ 2
○ 3
○ 4
○ 5
○ 6
○ 7
○ 8
○ 9

Please justify your score

_____

Do you have any further comments?   ○ Yes   ○ No

Comments

_____

Do you want to upload a reference document or enter a reference

○ Upload reference document   ○ Enter reference   ○ No

Upload reference document

Please enter reference here

_____

DescriptionTypeNeonatal status of third neonate at hospital discharge or 30th postoperative in-hospital dayNominal Data with options:AliveDead

○ 1
○ 2
○ 3
○ 4
○ 5
○ 6
○ 7
○ 8
○ 9

Please justify your score

_____

Do you have any further comments?   ◯ Yes   ◯ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

_____

DescriptionTypeNeonatal CPR following deliveryNominal Data with options:NoYes	◯ 1
	◯ 2
	◯ 3
	◯ 4
	◯ 5
	◯ 6
	◯ 7
	◯ 8
	◯ 9

Please justify your score

_____

Do you have any further comments?   ◯ Yes   ◯ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

_____

DescriptionTypeNeonatal CPR following delivery -
second neonateNominal Data with options:NoYes

○ 1
○ 2
○ 3
○ 4
○ 5
○ 6
○ 7
○ 8
○ 9

Please justify your score

_____

Do you have any further comments?   ○ Yes   ○ No

Comments

_____

Do you want to upload a reference document or enter a reference

○ Upload reference document   ○ Enter reference   ○ No

Upload reference document

Please enter reference here

_____

DescriptionTypeNeonatal CPR following delivery - third
neonateNominal Data with options:NoYes

○ 1
○ 2
○ 3
○ 4
○ 5
○ 6
○ 7
○ 8
○ 9

Please justify your score

_____

Do you have any further comments?   ○ Yes   ○ No

Comments

_____

Do you want to upload a reference document or enter a reference

○ Upload reference document   ○ Enter reference   ○ No

Upload reference document

Please enter reference here

_____

DescriptionTypeCritical care admission to treat
postoperative complicationsNominal Data with
options:NoYes

- ◯ 1
- ◯ 2
- ◯ 3
- ◯ 4
- ◯ 5
- ◯ 6
- ◯ 7
- ◯ 8
- ◯ 9

Please justify your score

_____

Do you have any further comments?   ◯ Yes   ◯ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

_____

DescriptionTypeReadmission for procedural
complicationNominal Data with options:NoYes

- ◯ 1
- ◯ 2
- ◯ 3
- ◯ 4
- ◯ 5
- ◯ 6
- ◯ 7
- ◯ 8
- ◯ 9

Please justify your score

_____

Do you have any further comments?   ◯ Yes   ◯ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

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Postoperative Morbidity Survey: **Grocott MPW, Browne JP, Van der Meulen J, et al. The Postoperative Morbidity Survey was validated and used to describe morbidity after major surgery. J Clin Epidemiol. 2007;60(9):919-928. doi:10.1016/j.jclinepi.2006.12.003 and Myles PS. More than just morbidity and mortality - quality of recovery and long-term functional recovery after surgery. Anaesthesia. 2020;75(S1):e143-e150. doi:10.1111/anae.14786**

Please recommend alternative classification systems, if deemed appropriate, and reference

DescriptionTypePulmonary: new requirement for oxygen/respiratory supportNominal Data with options:NoYes

○ 1
○ 2
○ 3
○ 4
○ 5
○ 6
○ 7
○ 8
○ 9

Please justify your score

_____

Do you have any further comments?   ○ Yes   ○ No

Comments

_____

Do you want to upload a reference document or enter a reference

○ Upload reference document   ○ Enter reference   ○ No

Upload reference document

Please enter reference here

_____

DescriptionTypeInfectious: on antibiotics and/or has had a temperature of >38°CNominal Data with options:NoYes

○ 1
○ 2
○ 3
○ 4
○ 5
○ 6
○ 7
○ 8
○ 9

Please justify your score

_____

Do you have any further comments?   ○ Yes   ○ No

Comments

_____

Do you want to upload a reference document or enter a reference

○ Upload reference document   ○ Enter reference   ○ No

Upload reference document

Please enter reference here

_____

DescriptionTypeRenal: oliguria < 500 mL/24 hr; increased serum creatinine (>30% from preoperative level); urinary catheter in situ.Nominal Data with options:NoYes	○ 1 ○ 2 ○ 3 ○ 4 ○ 5 ○ 6 ○ 7 ○ 8 ○ 9

Please justify your score

_____

Do you have any further comments?   ○ Yes   ○ No

Comments

_____

Do you want to upload a reference document or enter a reference

○ Upload reference document   ○ Enter reference   ○ No

Upload reference document

Please enter reference here

_____

DescriptionTypeGastrointestinal: Unable to tolerate an enteral diet for any reason including nausea, vomiting, and abdominal distension (use of antiemetic).Nominal Data with options:NoYes	○ 1 ○ 2 ○ 3 ○ 4 ○ 5 ○ 6 ○ 7 ○ 8 ○ 9

Please justify your score

_____

Do you have any further comments?　　　　　　　○ Yes　○ No

Comments

_____

Do you want to upload a reference document or enter a reference

○ Upload reference document　　○ Enter reference　　○ No

Upload reference document

Please enter reference here

_____

DescriptionTypeCardiovascular: Diagnosis/therapy for new myocardial infarction or ischemia/hypotension/atrial or ventricular arrhythmias/cardiogenic pulmonary oedema/thrombotic event (requiring anticoagulation).Nominal Data with options:NoYes	○ 1 ○ 2 ○ 3 ○ 4 ○ 5 ○ 6 ○ 7 ○ 8 ○ 9

Please justify your score

_____

Do you have any further comments?　　　　　　　○ Yes　○ No

Comments

_____

Do you want to upload a reference document or enter a reference

○ Upload reference document　　○ Enter reference　　○ No

Upload reference document

Please enter reference here

_____

DescriptionTypeHaematological: Requirement for packed erythrocytes/platelets/fresh-frozen plasma/cryoprecipitate.Nominal Data with options:NoYes	○ 1 ○ 2 ○ 3 ○ 4 ○ 5 ○ 6 ○ 7 ○ 8 ○ 9

Please justify your score

_____

Do you have any further comments?　　　　○ Yes　○ No

Comments

_____

Do you want to upload a reference document or enter a reference

○ Upload reference document　○ Enter reference　○ No

Upload reference document

Please enter reference here

_____

DescriptionTypeWound: dehiscence requiring surgical
exploration/drainage of pus from wound.Nominal Data
with options:NoYes

○ 1
○ 2
○ 3
○ 4
○ 5
○ 6
○ 7
○ 8
○ 9

Please justify your score

_____

Do you have any further comments?　　　　○ Yes　○ No

Comments

_____

Do you want to upload a reference document or enter a reference

○ Upload reference document　○ Enter reference　○ No

Upload reference document

Please enter reference here

_____

DescriptionTypePain: New postoperative pain requiring
parenteral opioids or regional analgesia.Nominal Data
with options:NoYes

○ 1
○ 2
○ 3
○ 4
○ 5
○ 6
○ 7
○ 8
○ 9

Please justify your score

_____

Do you have any further comments?　　　　　○ Yes　○ No

Comments

_____

Do you want to upload a reference document or enter a reference

○ Upload reference document　　○ Enter reference　　○ No

Upload reference document

Please enter reference here

_____

DescriptionTypeDocumentation of daily examination of
line site for signs of infection and continued need
for central lineNominal Data with options:NoYesQuality
Indicator

○ 1
○ 2
○ 3
○ 4
○ 5
○ 6
○ 7
○ 8
○ 9

Please justify your score

_____

Do you have any further comments?　　　　　○ Yes　○ No

Comments

_____

Do you want to upload a reference document or enter a reference

○ Upload reference document　　○ Enter reference　　○ No

Upload reference document

Please enter reference here

_____

DescriptionTypeOrder for venous thromboembolism prophylaxis given within 24 h before incision/after surgery endNominal Data with options:NoYesQuality Indicator	○ 1
	○ 2
	○ 3
	○ 4
	○ 5
	○ 6
	○ 7
	○ 8
	○ 9

Please justify your score

_____

Do you have any further comments?   ○ Yes   ○ No

Comments

_____

Do you want to upload a reference document or enter a reference

○ Upload reference document   ○ Enter reference   ○ No

Upload reference document

Please enter reference here

_____

DescriptionTypeProphylactic antibiotics were discontinued within 24h after surgery end timeNominal Data with options:NoYesQuality Indicator	○ 1
	○ 2
	○ 3
	○ 4
	○ 5
	○ 6
	○ 7
	○ 8
	○ 9

Please justify your score

_____

Do you have any further comments?   ○ Yes   ○ No

Comments

_____

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Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

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_____

DescriptionTypePatient encouraged to sit out of bed
and begin mobilising the day after surgery, within 24
h or as determined by the surgeonNominal Data with
options:NoYesQuality Indicator

◯ 1
◯ 2
◯ 3
◯ 4
◯ 5
◯ 6
◯ 7
◯ 8
◯ 9

Please justify your score

_____

Do you have any further comments?   ◯ Yes   ◯ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

_____

DescriptionTypeDischarge needs assessment, venous
thromboembolism prophylaxis, rehab, and follow up were
organized postoperativelyNominal Data with
options:NoYesQuality Indicator

◯ 1
◯ 2
◯ 3
◯ 4
◯ 5
◯ 6
◯ 7
◯ 8
◯ 9

Please justify your score

_____

Do you have any further comments?   ◯ Yes   ◯ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

_____

DescriptionTypeUrinary catheter removed on Postoperative Day 1 or Postoperative Day 2 with day of surgery being Day 0, or reason for continuing use documentedNominal Data with options:NoYesQuality Indicator	◯ 1 ◯ 2 ◯ 3 ◯ 4 ◯ 5 ◯ 6 ◯ 7 ◯ 8 ◯ 9

Please justify your score

_____

Do you have any further comments?   ◯ Yes   ◯ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

_____

DescriptionTypePostoperative treatment of diabetes mellitus (or documentation of attempt) to keep BM < 10 mmol litre - 1 on day of surgery and the first 2 postoperative daysNominal Data with options:NoYesQuality Indicator	◯ 1 ◯ 2 ◯ 3 ◯ 4 ◯ 5 ◯ 6 ◯ 7 ◯ 8 ◯ 9

Please justify your score

_____

Do you have any further comments?	○ Yes ○ No

Comments

_____

Do you want to upload a reference document or enter a reference

○ Upload reference document   ○ Enter reference   ○ No

Upload reference document

Please enter reference here

_____

DescriptionTypePostoperative nasogastric tube should not be used routinelyNominal Data with options:NoYesQuality Indicator	○ 1 ○ 2 ○ 3 ○ 4 ○ 5 ○ 6 ○ 7 ○ 8 ○ 9

Please justify your score

_____

Do you have any further comments?	○ Yes ○ No

Comments

_____

Do you want to upload a reference document or enter a reference

○ Upload reference document   ○ Enter reference   ○ No

Upload reference document

Please enter reference here

_____

DescriptionTypeEnteral route for postoperative fluid used as soon as possible, i.v. fluids discontinued as soon as is practicableNominal Data with options:NoYesQuality Indicator	○ 1 ○ 2 ○ 3 ○ 4 ○ 5 ○ 6 ○ 7 ○ 8 ○ 9

Please justify your score

_____

Do you have any further comments?   ◯ Yes   ◯ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

_____

DescriptionTypePostoperative delirium screening doneNominal Data with options:NoYesQuality Indicator	◯ 1 ◯ 2 ◯ 3 ◯ 4 ◯ 5 ◯ 6 ◯ 7 ◯ 8 ◯ 9

Please justify your score

_____

Do you have any further comments?   ◯ Yes   ◯ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

_____

DescriptionTypePostoperative normothermia maintained at: 36-38°CNominal Data with options:NoYesQuality Indicator

- ○ 1
- ○ 2
- ○ 3
- ○ 4
- ○ 5
- ○ 6
- ○ 7
- ○ 8
- ○ 9

Please justify your score

_____

Do you have any further comments?   ○ Yes   ○ No

Comments

_____

Do you want to upload a reference document or enter a reference

○ Upload reference document   ○ Enter reference   ○ No

Upload reference document

Please enter reference here

_____

DescriptionTypeStimulation of bowel movements using an even fluid balance, laxatives and chewing gumNominal Data with options:NoYesQuality Indicator

- ○ 1
- ○ 2
- ○ 3
- ○ 4
- ○ 5
- ○ 6
- ○ 7
- ○ 8
- ○ 9

Please justify your score

_____

Do you have any further comments?   ○ Yes   ○ No

Comments

_____

Do you want to upload a reference document or enter a reference

○ Upload reference document   ○ Enter reference   ○ No

Upload reference document

Please enter reference here

_____

DescriptionTypeChronic beta blocker use continued in perioperative period (24 h before incision to first 2 postoperative days)Nominal Data with options:NoYesQuality Indicator

○ 1
○ 2
○ 3
○ 4
○ 5
○ 6
○ 7
○ 8
○ 9

Please justify your score

_____

Do you have any further comments?   ○ Yes   ○ No

Comments

_____

Do you want to upload a reference document or enter a reference

○ Upload reference document   ○ Enter reference   ○ No

Upload reference document

Please enter reference here

_____

DescriptionTypePatient received appropriate venous thromboembolism prophylaxis within 24 h prior to surgery to 24 h after surgeryNominal Data with options:NoYesQuality Indicator

○ 1
○ 2
○ 3
○ 4
○ 5
○ 6
○ 7
○ 8
○ 9

Please justify your score

_____

Do you have any further comments?   ○ Yes   ○ No

Comments

_____

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Do you want to upload a reference document or enter a reference

◯ Upload reference document ◯ Enter reference ◯ No

Upload reference document

Please enter reference here

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CONSENT TO DATA CAPTURE

Please score the importance of suggested data points on a 9 point Likert scale (where 1 is least important and 9 is most important), and submit other potential data points for inclusion in a minimal dataset for surgical patients in Africa.The guidance for scoring is the following: Data points that have a median score between 1-3 will be considered unimportant and will be excluded from the dataset.
Data points that have a median score between 4-6 will be considered potentially important and may be included in the dataset.
Data points that have a median score between 7-9 will be considered important and will be included in the dataset.

QuestionIndividual patient consent to data capturing in a database

○ 1
○ 2
○ 3
○ 4
○ 5
○ 6
○ 7
○ 8
○ 9

Please justify your score

_____

Do you have any further comments?   ○ Yes   ○ No

Comments

_____

Do you want to upload a reference document or enter a reference

○ Upload reference document   ○ Enter reference   ○ No

Upload reference document

Please enter reference here

_____

QuestionHealthcare practitioner consent to data capturing in a database

○ 1
○ 2
○ 3
○ 4
○ 5
○ 6
○ 7
○ 8
○ 9

Please justify your score

_____

Do you have any further comments?   ○ Yes   ○ No

Comments

_____

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◯ Upload reference document ◯ Enter reference ◯ No

Upload reference document

Please enter reference here

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QuestionElectronic capture of consent

◯ 1
◯ 2
◯ 3
◯ 4
◯ 5
◯ 6
◯ 7
◯ 8
◯ 9

Please justify your score

_____

Do you have any further comments?   ◯ Yes   ◯ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

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PATIENT IDENTIFIERS

Please score the importance of suggested data points on a 9 point Likert scale (where 1 is least important and 9 is most important), and submit other potential data points for inclusion in a minimal dataset for surgical patients in Africa.The guidance for scoring is the following: Data points that have a median score between 1-3 will be considered unimportant and will be excluded from the dataset.
Data points that have a median score between 4-6 will be considered potentially important and may be included in the dataset.
Data points that have a median score between 7-9 will be considered important and will be included in the dataset.

QuestionPatient identifiers captured in database (required to identify and complete missing data or capture data post-discharge)

  ○ 1
  ○ 2
  ○ 3
  ○ 4
  ○ 5
  ○ 6
  ○ 7
  ○ 8
  ○ 9

Please justify your score

_____

Do you have any further comments?   ○ Yes ○ No

Comments

_____

Do you want to upload a reference document or enter a reference

○ Upload reference document   ○ Enter reference   ○ No

Upload reference document

Please enter reference here

_____

QuestionNational identification number captured as identifier

  ○ 1
  ○ 2
  ○ 3
  ○ 4
  ○ 5
  ○ 6
  ○ 7
  ○ 8
  ○ 9

Please justify your score

_____

Do you have any further comments?   ○ Yes ○ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

_____

QuestionPatient hospital number captured as identifier

◯ 1
◯ 2
◯ 3
◯ 4
◯ 5
◯ 6
◯ 7
◯ 8
◯ 9

Please justify your score

_____

Do you have any further comments?   ◯ Yes   ◯ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

_____

QuestionContact detail for the patient

◯ 1
◯ 2
◯ 3
◯ 4
◯ 5
◯ 6
◯ 7
◯ 8
◯ 9

Please justify your score

_____

Do you have any further comments?   ◯ Yes   ◯ No

Comments

_____

Do you want to upload a reference document or enter a reference

◯ Upload reference document   ◯ Enter reference   ◯ No

Upload reference document

Please enter reference here

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