Section 03

General form

This section is only required if an interventional procedure, e.g. surgery, was performed or intended. It should not be completed if one o following Special Inclusion criteria apply:

- Critically ill child
- Emergency department
- Regional block outside of theatre

Please review the Filter question 1.5 and contact your LC or visit the NAP7 website for more details.

Investigation results available before cardiac arrest

Provide results where they are available. For each investigation, please either:

- Select 'Not done' if investigation not performed before cardiac arrest
- If investigation was done before cardiac arrest:
    - Provide results if available
    - If results unavailable at the time of data entry (i.e. now) please select 'Result missing/not available'
    - If results are available now but were not known to the anaesthetist at the time of cardiac arrest, please provide result and indicate by ticking the box: 'Result not known at time of cardiac arrest'

Please also indicate timing of investigation relative to cardiac arrest (0 days if investigation on day of arrest; otherwise time interval bef arrest).

3.1

Haemoglobin (g/L) (Pick One)
[_] Not done
[_] Result missing/unavailable
[_] >130
[_] 110-129
[_] 90-109
[_] 70-89
[_] 60-69
[_] <60

Was the result known at time of cardiac arrest (Pick One)
[_] Yes
[_] No

Interval between investigation and cardiac arrest (Pick One)
[_] 0 days
[_] 1-7 days
[_] >7 days - < 1 month
[_] 1-3 months
[_] 3-6 months
[_] 6-12 months
[_] > 12 months

3.2

White cell count (Pick One)
[_] Not done
[_] Result missing/unavailable
[_] Normal
[_] Abnormal - high
[_] Abnormal - low

Was the result known at time of cardiac arrest (Pick One)
[_] Yes
[_] No

Interval between investigation and cardiac arrest (Pick One)
[_] 0 days
[_] 1-7 days
[_] >7 days - < 1 month
[_] 1-3 months
[_] 3-6 months

[_] 6-12 months
[_] > 12 months

3.3

Platelets (x10^9/L) (Pick One)
[_] Not done
[_] Result missing/unavailable
[_] >100
[_] 50-100
[_] <50

Was the result known at time of cardiac arrest (Pick One)
[_] Yes
[_] No

Interval between investigation and cardiac arrest (Pick One)
[_] 0 days
[_] 1-7 days
[_] >7 days - < 1 month
[_] 1-3 months
[_] 3-6 months
[_] 6-12 months
[_] > 12 months

3.4

eGFR (ml/min) (Pick One)
[_] Not done
[_] Result missing/unavailable
[_] ≥90
[_] 60-89
[_] 45-59
[_] 30-44
[_] 15-29
[_] <15

Was the result known at time of cardiac arrest (Pick One)
[_] Yes
[_] No

Interval between investigation and cardiac arrest (Pick One)
[_] 0 days
[_] 1-7 days
[_] >7 days - < 1 month
[_] 1-3 months
[_] 3-6 months
[_] 6-12 months
[_] > 12 months

3.5

Creatinine (micromol/L) (Pick One)
[_] Not done
[_] Result missing/unavailable
[_] 0-30
[_] 31-40
[_] 41-50
[_] 51-60
[_] 61-70
[_] 71-80
[_] 81-90
[_] 91-120
[_] 121-150
[_] 151-200
[_] 201-250
[_] 251-300
[_] >300

Was the result known at time of cardiac arrest (Pick One)
[_] Yes
[_] No

Interval between investigation and cardiac arrest (Pick One)
[_] 0 days

[_] 1-7 days
[_] >7 days - < 1 month
[_] 1-3 months
[_] 3-6 months
[_] 6-12 months
[_] > 12 months

3.6

Sodium (mmol/L) (Pick One)
[_] Not done
[_] Result missing/unavailable
[_] <110
[_] 111-120
[_] 121-134
[_] 135-145
[_] 146-160
[_] >160

Was the result known at time of cardiac arrest (Pick One)
[_] Yes
[_] No

Interval between investigation and cardiac arrest (Pick One)
[_] 0 days
[_] 1-7 days
[_] >7 days - < 1 month
[_] 1-3 months
[_] 3-6 months
[_] 6-12 months
[_] > 12 months

3.7

Potassium (mmol/L) (Pick One)
[_] Not done
[_] Result missing/unavailable
[_] 2
[_] 2.0-2.4
[_] 2.5-2.9
[_] 3.0 -3.4
[_] 3.5 - 5.0
[_] 5.1-5.9
[_] 6.0 -6.9
[_] 7.0-8.0
[_] >8.0

Was the result known at time of cardiac arrest (Pick One)
[_] Yes
[_] No

Interval between investigation and cardiac arrest (Pick One)
[_] 0 days
[_] 1-7 days
[_] >7 days - < 1 month
[_] 1-3 months
[_] 3-6 months
[_] 6-12 months
[_] > 12 months

3.8

Was coagulation abnormal? (Pick One)
[_] Not done
[_] Result missing/unavailable
[_] Normal values
[_] Abnormal values

Was the result known at time of cardiac arrest (Pick One)
[_] Yes
[_] No

Interval between investigation and cardiac arrest (Pick One)
[_] 0 days
[_] 1-7 days

[_] >7 days - < 1 month
[_] 1-3 months
[_] 3-6 months
[_] 6-12 months
[_] > 12 months

INR

_____

PT

_____

APTT ratio

_____

APTT

_____

Fibrinogen (g/L)

_____

3.9
Arterial or venous blood gas (if several, most recent before cardiac arrest)
Not done
(True / False)

Normal values
(True / False)

Result missing/unavailable
(True / False)

Severe acidaemia (pH <=7.20)
(True / False)

Severe alkalaemia (pH >= 7.55)
(True / False)

PaO2 < 8 kPa
(True / False)

PaCO2 >= 6 kPa
(True / False)

BE <-4 mEq/L
(True / False)

Lactate >2 mmol/L
(True / False)

Was the result known at time of cardiac arrest (Pick One)
[_] Yes
[_] No

Interval between investigation and cardiac arrest (Pick One)
[_] 0 days
[_] 1-7 days
[_] >7 days - < 1 month

[_] 1-3 months
[_] 3-6 months
[_] 6-12 months
[_] > 12 months

3.10

Pre-operative ECG (most recent before start of anaesthesia care) (Pick One)
[_] Not done
[_] Result missing/unavailable
[_] Normal ECG
[_] Abnormal ECG

Was the result known at time of cardiac arrest (Pick One)
[_] Yes
[_] No

Interval between investigation and cardiac arrest (Pick One)
[_] 0 days
[_] 1-7 days
[_] >7 days - < 1 month
[_] 1-3 months
[_] 3-6 months
[_] 6-12 months
[_] > 12 months

Ventricular rate (Pick One)
[_] >100
[_] 50-100
[_] <50

Rhythm (Pick One)
[_] Sinus
[_] Atrial fibrillation/flutter
[_] 1st degree heart block
[_] 2nd degree heart block, type 1 (Wenckebach)
[_] 2nd degree heart block, type 2 (Mobitz)
[_] Trifascicular block
[_] Complete (3rd degree) heart block
[_] Supraventricular tachycardia (SVT)
[_] Ventricular tachycardia (VT)
[_] Paced
[_] Other

Acute ischaemia
(True / False)

Prior infarct (e.g. pathological Q waves)
(True / False)

Left ventricular hypertrophy
(True / False)

Right bundle branch block
(True / False)

Left bundle branch block
(True / False)

Prolonged QTc
(True / False)

Pre-excitation (Wolff Parkinson White)
(True / False)

Brugada pattern
(True / False)

Any other relevant abnormality
(True / False)

Please specify

_____

_____

_____

_____

3.11
Pre-operative Chest x-ray / CT imaging
No chest x-ray or scan prior to surgery
(True / False)

Normal appearance
(True / False)

Results missing/unavailable
(True / False)

Consolidation
(True / False)

Cardiomegaly
(True / False)

COPD
(True / False)

Fibrosis
(True / False)

Pneumothorax
(True / False)

Pleural effusion
(True / False)

Haemothorax
(True / False)

Pulmonary oedema
(True / False)

Pulmonary embolism
(True / False)

Pericardial effusion
(True / False)

Other significant abnormality
(True / False)

Other significant abnormality details

_____

_____

_____

_____

Was the result known at time of cardiac arrest (Pick One)
[_] Yes
[_] No

Interval between investigation and cardiac arrest (Pick One)
[_] 0 days
[_] 1-7 days
[_] >7 days - < 1 month
[_] 1-3 months
[_] 3-6 months
[_] 6-12 months
[_] > 12 months

Drained before anaesthetic intervention? (Pick One)
[_] Yes
[_] No
[_] Unknown

Chest drain in situ at start of anaesthetic intervention? (Pick One)
[_] Yes
[_] No
[_] Unknown

3.12

Pre-operative echocardiography performed? (Pick One)
[_] Yes: results available
[_] Yes: results missing/not available
[_] No

Interval between investigation and cardiac arrest (Pick One)
[_] 0 days
[_] 1-7 days
[_] >7 days - < 1 month
[_] 1-3 months
[_] 3-6 months
[_] 6-12 months
[_] > 12 months

Pre-operative echocardiography performed type (Pick One)
[_] Transthoracic
[_] Transoesophageal
[_] Both

Left ventricular systolic dysfunction (Pick One)
[_] None
[_] Mild
[_] Moderate
[_] Severe

Right ventricular systolic dysfunction (Pick One)
[_] None
[_] Mild
[_] Moderate
[_] Severe

Stenosis (Pick One)
[_] None
[_] Mild
[_] Moderate
[_] Severe

Regurgitation (Pick One)
[_] None
[_] Mild
[_] Moderate
[_] Severe

Stenosis (Pick One)
[_] None
[_] Mild

[_] Moderate
[_] Severe

Regurgitation (Pick One)
[_] None
[_] Mild
[_] Moderate
[_] Severe

Stenosis (Pick One)
[_] None
[_] Mild
[_] Moderate
[_] Severe

Regurgitation (Pick One)
[_] None
[_] Mild
[_] Moderate
[_] Severe

Stenosis (Pick One)
[_] None
[_] Mild
[_] Moderate
[_] Severe

Regurgitation (Pick One)
[_] None
[_] Mild
[_] Moderate
[_] Severe

Other significant findings

_____

_____

_____

_____

3.13
Pre-operative coronary angiogram
Not done
(True / False)

Result missing/unavailable
(True / False)

No significant findings
(True / False)

Left coronary artery
(True / False)

Interval between investigation and cardiac arrest (Pick One)
[_] 0 days
[_] 1-7 days
[_] >7 days - < 1 month
[_] 1-3 months
[_] 3-6 months
[_] 6-12 months
[_] > 12 months

Right coronary artery
(True / False)

Interval between investigation and cardiac arrest (Pick One)
[_] 0 days
[_] 1-7 days
[_] >7 days - < 1 month
[_] 1-3 months
[_] 3-6 months
[_] 6-12 months
[_] > 12 months

Left main stem
(True / False)

Interval between investigation and cardiac arrest (Pick One)
[_] 0 days
[_] 1-7 days
[_] >7 days - < 1 month
[_] 1-3 months
[_] 3-6 months
[_] 6-12 months
[_] > 12 months

Left anterior descending
(True / False)

Interval between investigation and cardiac arrest (Pick One)
[_] 0 days
[_] 1-7 days
[_] >7 days - < 1 month
[_] 1-3 months
[_] 3-6 months
[_] 6-12 months
[_] > 12 months

Circumflex
(True / False)

Interval between investigation and cardiac arrest (Pick One)
[_] 0 days
[_] 1-7 days
[_] >7 days - < 1 month
[_] 1-3 months
[_] 3-6 months
[_] 6-12 months
[_] > 12 months

Other significant abnormality
(True / False)

Other significant abnormality details

3.14

Spirometry (Pick One)
[_] Not done
[_] Result missing/unavailable
[_] No significant findings
[_] Obstructive pattern
[_] Restrictive pattern

Interval between investigation and cardiac arrest (Pick One)
[_] 0 days
[_] 1-7 days
[_] >7 days - < 1 month
[_] 1-3 months
[_] 3-6 months
[_] 6-12 months
[_] > 12 months

Degree of FEV1 impairment (Pick One)
[_] Mild (>80% predicted)

[_] Moderate (50-79% predicted)
[_] Severe or very severe (<50% predicted)

3.15

Cardiopulmonary exercise testing (CPET) (Pick One)
[_] Not done
[_] Result missing/unavailable
[_] Test performed but not completed
[_] Anaerobic threshold >11 mL kg^{-1} min^{-1}
[_] Anaerobic threshold <11 mL kg^{-1} min^{-1}

Interval between investigation and cardiac arrest (Pick One)
[_] 0 days
[_] 1-7 days
[_] >7 days - < 1 month
[_] 1-3 months
[_] 3-6 months
[_] 6-12 months
[_] > 12 months

3.16
Pre-operative assessment before admission
Not applicable - emergency
(True / False)

Electronic self-assessment
(True / False)

Interval between investigation and cardiac arrest (Pick One)
[_] 0 days
[_] 1-7 days
[_] >7 days - < 1 month
[_] 1-3 months
[_] 3-6 months
[_] 6-12 months
[_] > 12 months

Telephone assessment with nurse
(True / False)

Interval between investigation and cardiac arrest (Pick One)
[_] 0 days
[_] 1-7 days
[_] >7 days - < 1 month
[_] 1-3 months
[_] 3-6 months
[_] 6-12 months
[_] > 12 months

Telephone assessment with doctor
(True / False)

Interval between investigation and cardiac arrest (Pick One)
[_] 0 days
[_] 1-7 days
[_] >7 days - < 1 month
[_] 1-3 months
[_] 3-6 months
[_] 6-12 months
[_] > 12 months

Telephone assessment with anaesthesia associate
(True / False)

Interval between investigation and cardiac arrest (Pick One)
[_] 0 days
[_] 1-7 days
[_] >7 days - < 1 month
[_] 1-3 months
[_] 3-6 months
[_] 6-12 months
[_] > 12 months

Face to face: nurse-led
(True / False)

Interval between investigation and cardiac arrest (Pick One)
[_] 0 days
[_] 1-7 days
[_] >7 days - < 1 month
[_] 1-3 months
[_] 3-6 months
[_] 6-12 months
[_] > 12 months

Face to face: surgeon-led
(True / False)

Interval between investigation and cardiac arrest (Pick One)
[_] 0 days
[_] 1-7 days
[_] >7 days - < 1 month
[_] 1-3 months
[_] 3-6 months
[_] 6-12 months
[_] > 12 months

Face to face: anaesthetist-led
(True / False)

Interval between investigation and cardiac arrest (Pick One)
[_] 0 days
[_] 1-7 days
[_] >7 days - < 1 month
[_] 1-3 months
[_] 3-6 months
[_] 6-12 months
[_] > 12 months

Face to face: anaesthesia associate-led
(True / False)

Interval between investigation and cardiac arrest (Pick One)
[_] 0 days
[_] 1-7 days
[_] >7 days - < 1 month
[_] 1-3 months
[_] 3-6 months
[_] 6-12 months
[_] > 12 months

None
(True / False)

Other
(True / False)

Interval between investigation and cardiac arrest (Pick One)
[_] 0 days
[_] 1-7 days
[_] >7 days - < 1 month
[_] 1-3 months
[_] 3-6 months
[_] 6-12 months
[_] > 12 months

Other details

_____

_____

_____

Unknown
(True / False)

Risk scoring

3.17

Did the patient have a pre-interventional individualised morbidity/mortality risk assessment (by any method)? (Pick One)
[_] Yes - qualitative (e.g. low/medium/high)
[_] Yes - quantitative (e.g. % risk of death)
[_] Both
[_] No

Surgical Risk Scale
(True / False)

Surgical Outcome Risk Tool (SORT)
(True / False)

EuroSCORE
(True / False)

ACS-NSQIP
(True / False)

NELA
(True / False)

POSSUM
(True / False)

P-POSSUM
(True / False)

Surgery specific POSSUM (e.g. Vasc-POSSUM)
(True / False)

Nottingham Hip Fracture Score
(True / False)

Other
(True / False)

Other details

_____

_____

_____

_____

Estimated mortality risk based on result (Pick One)
[_] <1%
[_] Low (<5%)
[_] High (5-10%)
[_] Very high (>10%)
[_] Unknown

3.18

Patient's modified Rankin Scale (mRS) score or Paediatric Cerebral Performance Category (PCPC) at baseline before admission to hospital? (Pick One)
[_] Modified Rankin Scale (mRS)
[_] Paediatric Cerebral Performance Category (PCPC)

Patient's modified Rankin Scale (mRS) score at baseline before admission to hospital? (Pick One)
[_] 0 - No symptoms
[_] 1 - No significant disability
[_] 2 - Slight disability
[_] 3 - Moderate disability
[_] 4 - Moderately severe disability
[_] 5 - Severe disability
[_] Unknown

Paediatric Cerebral Performance Category (PCPC) at baseline before admission to hospital? (Pick One)
[_] 1 - Normal
[_] 2 - Mild disability
[_] 3 - Moderate disability
[_] 4 - Severe disability
[_] 5 - Coma or vegetative state
[_] Unknown

3.19

Using the Clinical Frailty Score (see help box), what was the patient's pre-admission frailty status assessed as being? (Pick One)
[_] 1-3 - not frail
[_] 4 - vulnerable
[_] 5 - mildly frail
[_] 6 - moderately frail
[_] 7 - severely frail
[_] 8 - very severely frail
[_] 9 - terminally ill
[_] Unknown

Acute physiology before induction of anaesthesia

3.20
Last available observations before preoxygenation, induction of anaesthesia or sedation (or before start of procedure if no anaesthesia
HR (bpm) rounded to the nearest 10

_____

Not done
(True / False)

Missing/unavailable
(True / False)

Was HR supported (Pick One)
[_] Yes
[_] No

BP systolic rounded to the nearest 10

_____

Not done
(True / False)

Missing/unavailable
(True / False)

Was systolic BP supported (Pick One)
[_] Yes
[_] No

BP diastolic rounded to the nearest 10

_____

Not done
(True / False)

Missing/unavailable
(True / False)

SpO_2 (%) Value (Pick One)
[_] 96-100
[_] 90-95
[_] 85-89
[_] 80-84
[_] 75-79
[_] 70-74
[_] 65-69
[_] 60-64
[_] 55-59
[_] 50-54
[_] <50
[_] Not done
[_] Missing

SpO_2 (%) supported (Pick One)
[_] Yes
[_] No

FiO_2 (Pick One)
[_] Air (0.21)
[_] Other
[_] Not done
[_] Missing

Other

_____

GCS (Pick One)
[_] 15
[_] 13-14
[_] 9-12
[_] 4-8
[_] 3
[_] Not done
[_] Missing

AVPU (Pick One)
[_] Alert
[_] Voice
[_] Pain
[_] Unresponsive
[_] Not done
[_] Missing

3.21

Data source (Pick One)
[_] Anaesthetic chart or other observation chart - manual/handwritten
[_] Anaesthetic chart or other observation chart - electronic record
[_] Other

3.22
Acute conditions at start of anaesthesia care
None
(True / False)

Life-threatening airway compromise
(True / False)

Severe bronchospasm
(True / False)

Respiratory failure
(True / False)

Severe hypovolaemia
(True / False)

Major haemorrhage
(True / False)

Left heart failure
(True / False)

Right heart failure
(True / False)

Cardiogenic shock
(True / False)

Septic shock
(True / False)

Anaphylaxis
(True / False)

Acute confusional state or fall in GCS

(True / False)

Acute kidney injury
(True / False)

Acute liver failure
(True / False)

Major burns
(True / False)

Severe coagulopathy
(True / False)

Procedure details

3.23

Day of week (Pick One)
[_] Weekday
[_] Weekend
[_] Public Holiday

3.24

Time of day at start of anaesthesia care (Pick One)
[_] Daytime (0800-1759)
[_] Evening (1800-2359)
[_] Night (0000-0759)

3.25
Hospital services
Major trauma centre
(True / False)

Neurosurgical centre
(True / False)

Cardiac surgery centre
(True / False)

Vascular centre
(True / False)

Heart attack centre
(True / False)

Children's hospital
(True / False)

Teaching hospital
(True / False)

District general hospital
(True / False)

Community hospital
(True / False)

Treatment centre
(True / False)

Independent sector hospital
(True / False)

Stand-alone hospital e.g. ECT, Eyes, Dental
(True / False)

None of the above
(True / False)

3.26

Admission type (Pick One)
[_] Elective - Planned Day Case
[_] Elective - Planned Inpatient Stay
[_] Emergency
[_] Other

3.27

Specialty of intended procedure (Pick One)
[_] Abdominal: hepatobiliary
[_] Abdominal: lower GI
[_] Abdominal: upper GI
[_] Abdominal: other
[_] Cardiac surgery
[_] Cardiology: diagnostic
[_] Cardiology: interventional
[_] Cardiology: electrophysiology
[_] Dental
[_] Maxillo-facial
[_] ENT
[_] Gastroenterology
[_] General Surgery
[_] Gynaecology
[_] Neurosurgery
[_] Obstetrics: Caesarean section
[_] Obstetrics: labour analgesia
[_] Obstetrics: other
[_] Ophthalmology
[_] Orthopaedics - cold
[_] Orthopaedics - trauma
[_] Pain
[_] Plastics
[_] Burns

[_] Psychiatry
[_] Radiology: diagnostic
[_] Radiology: interventional
[_] Spinal
[_] Thoracic Surgery
[_] Transplant
[_] Urology
[_] Vascular
[_] Other Minor Op
[_] Other Major Op

Please specify primary procedure Neurosurgery (Pick One)
[_] General and trauma
[_] Neuro-oncology
[_] Functional
[_] Vascular
[_] Skull base
[_] CSF disorders
Spinal
[_] Lumbar spine
[_] Cervical spine
[_] Complex spine
[_] Other
Interventional neuroradiology
[_] Coiling
[_] Stroke thrombectomy
[_] Other
Other
[_] Stereotactic neurosurgery and radiotherapy
[_] Peripheral surgery
[_] Diagnostic (invasive)
[_] Not classified

Please specify primary procedure Vascular (Pick One)
[_] Aortic (endovascular)
[_] Aortic (open)
[_] Carotid endarterectomy
[_] Lower limb revascularisation (open or endovascular)
[_] Amputation
[_] Vascular access
[_] Traumatic vascular injury
[_] Other

3.28

Grade of surgery (Pick One)
[_] Minor
[_] Intermediate
[_] Major or complex

3.29

NCEPOD priority Or Caesarean Section category (Pick One)
[_] NCEPOD priority
[_] Caesarean Section category

NCEPOD priority (Pick One)
[_] Immediate
[_] Urgent
[_] Expedited
[_] Elective
[_] N/A

Caesarean Section category (Pick One)
[_] 1
[_] 2
[_] 3
[_] 4

Anaesthetic details

These details relate to the primary procedure planned/undertaken, not the specific time of cardiac arrest.
3.30

Location of intended procedure (Pick One)
[_] Theatre: main theatre suite

[_] Theatre: day surgery unit
[_] Theatre: obstetrics
[_] Theatre: other
[_] Labour ward
[_] Neuroradiology
[_] Cardiac catheter lab
[_] Pacing room
[_] Interventional radiology
[_] MRI
[_] CT
[_] Endoscopy
[_] ECT
[_] Ward
[_] Recovery
[_] Emergency Department
[_] Other

3.31

Remote location? (Pick One)
[_] Yes
[_] No

3.32

Separate anaesthetic room used? (Pick One)
[_] Yes
[_] No

3.33
Patient position (for intended procedure)
Supine
(True / False)

Beach chair/sitting
(True / False)

Lateral
(True / False)

Lithotomy
(True / False)

Park bench
(True / False)

Prone
(True / False)

Reverse Trendelenburg (head up)
(True / False)

Semi-prone
(True / False)

Trendelenburg (head down)
(True / False)

Dentist chair
(True / False)

3.34
Mode of intended procedure
Open
(True / False)

Endoscopic
(True / False)

Laparoscopic
(True / False)

Robot-assisted
(True / False)

Thoracoscopic
(True / False)

N/A
(True / False)

3.35
Premedication on ward?
Analgesia
(True / False)

Anxiolysis
(True / False)

None
(True / False)

Other
(True / False)

Please specify

_____

_____

_____

_____

3.36

Intended conscious level (Pick One)
[_] General anaesthesia
[_] Deep sedation
[_] Moderate sedation
[_] Minimal sedation (anxiolysis)
[_] Awake

3.37
Anaesthetic technique(s)
General
(True / False)

Sedation
(True / False)

Spinal
(True / False)

Epidural
(True / False)

CSE
(True / False)

Regional block (inc. paravertebral and TAP)
(True / False)

Local anaesthetic infiltration
(True / False)

Intravenous analgesia only
(True / False)

Monitoring only
(True / False)

Inhalational - desflurane
(True / False)

Inhalational - isoflurane
(True / False)

Inhalational - sevoflurane
(True / False)

Inhalational - other
(True / False)

Inhalational - nitrous oxide
(True / False)

IV propofol - manual infusion
(True / False)

IV propofol - target-controlled infusion (TCI)
(True / False)

IV remifentanil - manual infusion
(True / False)

IV remifentanil - target-controlled infusion (TCI)
(True / False)

3.38
Monitoring for procedure before cardiac arrest
Pulse oximetry
(True / False)

Non-invasive blood pressure
(True / False)

ECG
(True / False)

End tidal CO_2 / Capnography
(True / False)

End tidal anaesthetic agents
(True / False)

FiO_2
(True / False)

Airway pressure
(True / False)

Intra-arterial blood pressure
(True / False)

Central venous pressure
(True / False)

Cardiac output
(True / False)

Transthoracic echocardiography
(True / False)

Transoesophageal echocardiography
(True / False)

Continuous temperature measurement
(True / False)

Intermittent temperature measurement (e.g. tympanic)
(True / False)

Non-quantitative neuromuscular monitoring (e.g. visual, tactile, TOF count)
(True / False)

Quantitative neuromuscular monitoring (e.g. accelerometer, TOF ratio)
(True / False)

Raw or processed EEG (e.g. BIS)
(True / False)

Near-infrared Spectroscopy (NIRS)
(True / False)

Arterial or venous blood gas
(True / False)

Point of care coagulation (e.g. TEG, ROTEM, ACT)
(True / False)

3.39

Airway technique in place immediately before/at time of cardiac arrest (Pick One)
[_] Oxygen mask or nasal cannulae
[_] Face mask (+/- Guedel)
[_] Supraglottic airway (1st generation)
[_] Supraglottic airway (2nd generation)
[_] Tracheal tube (oral or nasal)
[_] Tracheostomy
[_] High flow nasal oxygen (HFNO)
[_] None used
[_] None - all techniques failed
[_] Other
[_] Unknown

3.40

Ventilation mode immediately before/at time of cardiac arrest (Pick One)
[_] Spontaneous ventilation (without pressure support)
[_] Positive pressure ventilation
[_] Jet ventilation (high pressure source ventilation) - manual
[_] Jet ventilation - automated
[_] High frequency jet ventilation
[_] Apnoeic oxygenation
[_] Other
[_] Unknown

3.41
Grade(s) and number(s) of anaesthetists present at induction/start of anaesthesia care
Consultant
(True / False)

Number of Consultants present

_____

SAS doctor
(True / False)

Number of SAS doctors present

_____

Post CCT or CESR doctor
(True / False)

Number of Post CCT or CESR doctors present

_____

ST5+ or equivalent
(True / False)

Number of ST5+ or equivalent present

_____

ST3-4 or equivalent
(True / False)

Number of ST3-4 or equivalent present

_____

CT2 or equivalent
(True / False)

Number of CT2 or equivalent present

_____

CT1 or equivalent - after Initial Assessment of Competence (IAC)
(True / False)

Number of CT1 or equivalent - after Initial Assessment of Competence (IAC) present

_____

CT1 or equivalent - before completion of Initial Assessment of Competence (IAC)
(True / False)

Number of CT1 or equivalent - before completion of Initial Assessment of Competence (IAC) present

_____

Anaesthesia Associate
(True / False)

Number of Anaesthesia Associates present

_____

Nurse specialist
(True / False)

Number of Nurse specialists present

_____

Other
(True / False)

Number of Others present

_____

Level of Consultant supervision (Pick One)
[_] Direct (immediately available)
[_] Indirect - local (<10 min)
[_] Indirect - distant (>10 min)
[_] Not applicable

3.42

Changes in anaesthetic personnel during case (Pick One)
[_] Yes
[_] No

Individual left for other commitments
(True / False)

Individual arrived to assist
(True / False)

Individual left to assist elsewhere
(True / False)

Shift change
(True / False)

Break/rest
(True / False)

Morning/afternoon change of personnel
(True / False)

Other
(True / False)

Please specify

_____

None
(True / False)

Informal
(True / False)

Structured (verbal or checklist)
(True / False)

3.43

Duration of procedure including anaesthetic time (planned duration if abandoned) (Pick One)
[_] <30 minutes

[_] 30 - 60 minutes
[_] 1 - 2 hours
[_] 2 - 4 hours
[_] 4 - 8 hours
[_] >8 hours