



EMERGENCY AND ELECTIVE SURGERY IN THE ELDERLY

National Confidential Enquiry into Patient Outcome and Death (NCEPOD)

ORGANISATIONAL QUESTIONNAIRE

CONFIDENTIAL

PLEASE COMPLETE ONE ORGANISATIONAL QUESTIONNAIRE FOR EACH HOSPITAL IN YOUR TRUST WHERE SURGERY IS UNDERTAKEN

Name of Trust: _____

Name of Hospital: _____

Name of NCEPOD Local Reporter: _____

What is this study about?

NCEPOD is examining the remedial factors in the process of care of elderly patients (80 years and older) who died within 30 days of surgery between 1st April & 30th June 2008. Questionnaires should be completed in regards to that time period. The study aims to identify areas where the care of these patients might have been improved (remediable factors). All NHS and independent hospitals that admit both acute and elective admissions in England, Wales and Northern Ireland; public hospitals in the Isle of Man, Jersey and Guernsey, will be included in the study.

Who should complete this questionnaire?

This questionnaire should be completed by the Medical Director of the Trust or a person nominated by them who would have the knowledge to complete it accurately or be able to seek help to complete it accurately.

To ensure confidentiality of the data, completed questionnaires must be returned directly to NCEPOD.

Please use the SAE provided.

How to complete this questionnaire

Information will be collected using two methods: Box cross and free text, where your clinical opinion will be requested.

This form will be electronically scanned. Please use a black or blue pen. Please complete all questions with either block capitals or a bold cross inside the boxes provided e.g.

Does your hospital have a nutrition team??

Yes No

If you make a mistake, please "black-out" the incorrect box and re-enter the correct information, e.g.

Yes No

Unless indicated, please mark only one box per question.

Questions or help

If you have any queries about the study or this questionnaire, please contact NCEPOD at:

surgery@ncepod.org.uk

Telephone 0207 631 3444

Thank you for taking the time to complete this questionnaire. The findings of the full study will be published late 2010.

FOR NCEPOD USE ONLY

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

DEFINITIONS

Appropriate	The expected health benefits to an average patient exceed the expected health risks by a sufficiently wide margin to make the intervention worthwhile and that intervention is superior to alternatives (including no intervention)
Clinical adverse events	An unintended injury caused by medical management rather than by the disease process and which is sufficiently serious to lead to prolongation of hospitalisation or to temporary or permanent impairment or disability to the patient at the time of discharge.
Critical incident	Any incident or event which has caused or could have caused an adverse outcome for the patient
Initial assessment (excluding triage)	The patient's first assessment by a healthcare member of staff (medical or nursing) to identify healthcare needs.
Level of care	<p>Level 0: Patients whose needs can be met through normal ward care in an acute hospital.</p> <p>Level 1: Patients at risk of their condition deteriorating, or those recently relocated from higher levels of care whose needs can be met on an acute ward with additional advice and support from the critical care team.</p> <p>Level 2: (e.g. HDU) Patients requiring more detailed observation or intervention including support for a single failing organ system or post operative care, and those stepping down from higher levels of care.</p> <p>Level 3: (e.g. ICU) Patients requiring advanced respiratory support alone or basic respiratory support together with support of at least two organs. This level includes all complex patients requiring support for multi-organ failure.</p>
Medical assessment unit (MAU, SAU, etc)	An area where emergency patients are assessed and initial management undertaken by inpatient hospital teams. The patient is only in this area while initial assessment is made and then moved to another ward or discharged. The working of these units varies; some are purely for medical or surgical cases (MAU, SAU etc) while some function across various specialties (CDU, AAU, etc).
(N)CEPOD theatre	A staffed (medical, nursing and ancillary) emergency operating theatre available on a 24-hour basis; Trusts admitting urgent and emergency cases, must ensure they are provided
Other adverse events	e.g. fall off trolley
Recovery area	An area to which patients are admitted following an operation or procedure, and where they remain until consciousness is regained, respiration and circulation are stable, and post operative analgesia is established.



1. Who was responsible for ensuring the accuracy and completeness of answers given to this questionnaire?

- | | |
|---|--|
| <input type="checkbox"/> Chief Executive | <input type="checkbox"/> Clinical Director, Surgery |
| <input type="checkbox"/> Medical Director | <input type="checkbox"/> Clinical Director, Anaesthesia |
| <input type="checkbox"/> NCEPOD Local Reporter | <input type="checkbox"/> Other (please specify) <input type="text"/> |
| <input type="checkbox"/> Clinical Governance Lead | |

THE HOSPITAL

2a. How would you describe this hospital?

- | | |
|---|---|
| <input type="checkbox"/> District general (or equivalent) | <input type="checkbox"/> Limited surgical specialties (e.g. Plastic and Burns unit) |
| <input type="checkbox"/> University/Teaching | <input type="checkbox"/> Independent |
| <input type="checkbox"/> Community | <input type="checkbox"/> Other (please specify) <input type="text"/> |

2b. Which of the following specialties have operating sessions in your hospital?

- | | |
|---|--|
| <input type="checkbox"/> Cardiothoracic Surgery | <input type="checkbox"/> Neurosurgery |
| <input type="checkbox"/> Otolaryngology | <input type="checkbox"/> Plastic Surgery (excluding hand surgery) |
| <input type="checkbox"/> Hand Surgery | <input type="checkbox"/> Trauma and Orthopaedic Surgery |
| <input type="checkbox"/> General Surgery | <input type="checkbox"/> Urology |
| <input type="checkbox"/> Vascular Surgery | <input type="checkbox"/> Gynaecology |
| <input type="checkbox"/> Oral and Maxillofacial Surgery | <input type="checkbox"/> Other (please specify) <input type="text"/> |

3a. How many beds are there in this hospital?

3b. How many of these are designated as Medicine for the Elderly?

3c. If there are no Medicine for the Elderly beds on the same site as surgery are there arrangements for review of pre- and post operative elderly patients?

- Yes No Unknown

3d. If yes, how is this done?

3e. Does this hospital have a specific ward for the pre- and post operative care of elderly trauma patients?

- Yes No Unknown

4a. Does this hospital have an Emergency Department?

- Yes No

4b. Does this hospital have any dedicated assessment units?

- Surgical Medical Acute admissions



OPERATING FACILITIES FOR URGENT/EMERGENCY SURGERY

5. How many operating theatres are there (excluding obstetric theatres)?
- 6a. Does the hospital have a SCHEDULED "emergency" ^{definition} theatre for urgent surgical cases (EXCLUDING TRAUMA AND ORTHOPAEDICS)? i.e. "(N)CEPOD theatres" during working hours on weekdays (08:00 to 17:59 Monday to Friday) Yes No Unknown
- 6b. If YES, how many of these sessions have a consultant anaesthetist allocated to them?
- 6c. If YES, how many of these sessions have a consultant surgeon allocated to them?
- 6d. If YES, which specialties:

Share the dedicated ' (N)CEPOD' theatre	Have their own dedicated theatre
<input type="checkbox"/> Cardiothoracic Surgery	<input type="checkbox"/> Cardiothoracic Surgery
<input type="checkbox"/> Otolaryngology	<input type="checkbox"/> Otolaryngology
<input type="checkbox"/> Hand Surgery	<input type="checkbox"/> Hand Surgery
<input type="checkbox"/> General Surgery	<input type="checkbox"/> General Surgery
<input type="checkbox"/> Vascular Surgery	<input type="checkbox"/> Vascular Surgery
<input type="checkbox"/> Oral and Maxillofacial Surgery	<input type="checkbox"/> Oral and Maxillofacial Surgery
<input type="checkbox"/> Neurosurgery	<input type="checkbox"/> Neurosurgery
<input type="checkbox"/> Plastic Surgery (excluding hand surgery)	<input type="checkbox"/> Plastic Surgery (excluding hand surgery)
<input type="checkbox"/> Trauma and Orthopaedic Surgery	<input type="checkbox"/> Trauma and Orthopaedic Surgery
<input type="checkbox"/> Urology	<input type="checkbox"/> Urology
<input type="checkbox"/> Gynaecology	<input type="checkbox"/> Gynaecology
<input type="checkbox"/> Paediatric Surgery	<input type="checkbox"/> Paediatric Surgery
<input type="checkbox"/> Other (please specify) <input style="width: 150px;" type="text"/>	<input type="checkbox"/> Other (please specify) <input style="width: 150px;" type="text"/>

- 6e. Does this hospital have scheduled OUT OF HOURS emergency surgery sessions (EXCLUDING TRAUMA AND ORTHOPAEDICS) (18:00 to 07:59 Monday to Friday and all day weekends)? Yes No Unknown
- 6f. If YES, how many of these sessions have a consultant anaesthetist allocated to them?
- 6g. If YES, how many of these sessions have a consultant surgeon allocated to them?
- 7a. Does the hospital have specific SCHEDULED daytime "emergency" lists for urgent TRAUMA AND ORTHOPAEDIC cases? i.e. during working hours on weekdays (08:00 to 17:59 Monday to Friday). Yes No Unknown



7b If YES, how many of these sessions have a consultant anaesthetist allocated to them?

7c. If YES, how many of these sessions have a consultant surgeon allocated to them?

7d. Does the hospital have scheduled OUT OF HOURS emergency TRAUMA AND ORTHOPAEDIC surgery sessions (1800 to 0759 Monday to Friday and all day weekends)? Yes No Unknown

7e. If YES, how many of these sessions have a consultant anaesthetist allocated to them?

7f. If YES, how many of these sessions have a consultant surgeon allocated to them?

8a. Does the hospital use a clinical priority grading system (e.g. NCEPOD) for determining clinical priority in emergency surgery? Yes No Unknown

8b. If YES, which one? (please specify)

8c. For the general emergency theatres is there a co-ordinator or other system for confirming that relevant investigations and resuscitation have been completed and the patient is 'fit' for theatre? Yes No Unknown

8d. Does this hospital have a hospital-wide transfusion policy for patients with major/massive blood loss? Yes No Unknown

9a. Do the operating theatres have a post-anaesthetic recovery area or room equipped and staffed for this purpose? Yes No Unknown

9b. If YES, is the recovery area available and staffed 24 hours a day, 7 days a week? Yes No Unknown

9c. If NO, please specify its opening hours:

9d. Are there clearly defined criteria in place for safe discharge of patients from the post operative recovery unit? (e.g. Warm, pain controlled, haemodynamic and respiratory stability)

SPECIAL CARE AREAS

10a. Does the hospital have a critical care unit? Yes No Unknown



10b. If YES, please indicate how many beds the hospital has for each level of critical care?

	Level 1	Level 2	Level 3
Adult	<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>
Neuro	<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>
Cardiac	<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>
Other	<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>

10c. Is there an upper age limit for admission to critical care? Yes No Unknown

10d. Is the Level 2 care available and staffed 24 hours a day, 7 days a week? Yes No Unknown

10e. If NO, please specify its opening hours:

10f. If there is more than one level 2 unit, which specialities have a specialty-specific Level 2 unit or area within a ward that care for the elderly (answers may be multiple)

- | | |
|---|--|
| <input type="checkbox"/> Cardiothoracic Surgery | <input type="checkbox"/> Neurosurgery |
| <input type="checkbox"/> Otolaryngology | <input type="checkbox"/> Plastic Surgery (excluding hand surgery) |
| <input type="checkbox"/> Hand surgery | <input type="checkbox"/> Trauma and Orthopaedic Surgery |
| <input type="checkbox"/> General Surgery | <input type="checkbox"/> Urology |
| <input type="checkbox"/> Vascular Surgery | <input type="checkbox"/> Gynaecology |
| <input type="checkbox"/> Oral and Maxillofacial Surgery | <input type="checkbox"/> Other (please specify) <input style="width: 150px; height: 15px;" type="text"/> |

Where there is a single HDU, or for the main general HDU if there are also specialty-specific high dependency units:

10g. Which specialties are involved in patient management during the day?

- Surgical specialty only
- Intensivists/anaesthetic staff only
- Both surgeons and intensivists/anaesthetists
- Medicine for the elderly



10h. Which specialties are involved in patient management out of hours (17:00 - 07:59 & weekends)?

- Surgical speciality only Both surgeons and intensivists/anaesthetists
 Medicine for the elderly Intensivists/anaesthetic staff only

10i. If there is more than one Level 3 unit, which specialities have a specialty-specific Level 3 unit?

- Cardiothoracic Surgery Neurosurgery
 Otolaryngology Plastic Surgery (excluding hand surgery)
 Hand surgery Trauma and Orthopaedic Surgery
 General Surgery Urology
 Vascular Surgery Gynaecology
 Oral and Maxillofacial Surgery Other (please specify)

Where there is a Level 3 unit, or for the main general Level 3 unit if there are also specialty-specific Level 3 dependency units

10j. Is the Level 3 unit available and staffed 24 hours a day, 7 days a week? Yes No Unknown

10k. If NO, please specify its opening hours

11. For patients requiring renal replacement therapy on ICU which of the following apply?

- Renal medicine on site Haemodialysis available elsewhere in hospital
 Haemofiltration available in ICU Haemodialysis available in ICU
 Patients with acute renal failure must be transferred to another hospital

12. Following NICE guidance, does the hospital have a formal policy for the recognition and management of acutely ill patients?

- Yes No Unknown

13. Does your hospital have an outreach team from Level 2/Level 3 for assessing patients?

- Yes No Unknown

14. If YES, when is the outreach facility available?

- 24 hours/7 days a week
 < 24 hours/7 days a week Please specify how many hours a day?
 24 hours on selected days Please specify how many days a week?
 < 24 hours on selected days Please specify how many days a week?



PRE-OPERATIVE ASSESSMENT FACILITIES

15a. Does this hospital run pre-anaesthetic or pre-admission assessment clinics? Yes No Unknown

15b. If YES, who runs these clinics? (please specify)

16a. Does your hospital have a policy for medical pre-assessment in patients above a particular age? Yes No Unknown

16b. If YES, what age? (please specify)

17. In general, are all required investigations performed during a single visit? Yes No Unknown

18a. Does your hospital have a specific age limit above which day surgery is precluded, regardless of cormorbidities? Yes No Unknown

18b. If YES, what age is this?

19a. Does this hospital have written policies or protocols for assessing the nutrition status of patients? Yes No Unknown

19b. If YES, does this include the involvement of a dietician? Yes No Unknown

20. Does this hospital have a policy for assessing competence and comprehension of patients? Yes No Unknown

21. Does the Trust have clear guidelines for the assessment and consent procedures in those with reduced capacity? Yes No Unknown

22. Does this hospital have a mechanism in place for assessing the frailty in elderly patients? Yes No Unknown

23. Does this hospital have a specific agreed integrated multidisciplinary care plan for patients with FRACTURED NECK OF FEMUR? Yes No Unknown



24a. Which of the following imaging facilities does the hospital have, and when are they available?

	Not available	Available 24 hours	Available during working hours and weekends
Plain x-ray imaging	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ultrasound	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CT scanner	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MRI scanner	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Angiography	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coronary angiography	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Acute coronary angioplasty	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (please specify)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

24b. Is there an interventional radiology service in your hospital? Yes No Unknown

24c. If YES, do the interventional radiologists offer:

- Vascular intervention only Both vascular and non-vascular intervention
 Non-vascular intervention Unknown

24d. If YES to 18b, when is the interventional service available?

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
08:00 - 17:59	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18:00 - 07:59	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

25a. Which of the following laboratory facilities are available on-site? (answers may be multiple)

	Not available	Available 24 hours	Available < 24 hours
Routine haematology	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Routine biochemistry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Blood transfusion laboratory	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coagulation measurements	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Microbiology	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



25b. If the blood TRANSFUSION laboratory is NOT ON-SITE how far away (miles) is the laboratory providing these services?

25c. If the blood COAGULATION laboratory is NOT ON-SITE how far away (miles) is the laboratory providing these services?

26a. Does the GENERAL SURGICAL DEPARTMENT have a unit protocol for a deep vein thrombosis/pulmonary embolus? Yes No Unknown

26b. If YES, what does this comprise for a patient of normal risk?

Low Molecular Weight Heparin Graduated elasticated compression stockings

Mechanical devices (foot pump, calf stimulators etc)

27a. Does your ORTHOPAEDIC DEPARTMENT have a unit protocol for prophylaxis against deep vein thrombosis/pulmonary embolus? Yes No Unknown

27b. If YES, what does this comprise for a patient of normal risk?

Low Molecular Weight Heparin Graduated elasticated compression stockings

Mechanical devices (foot pump, calf stimulators etc)

28. Does this hospital have a cross directorate policy on the avoidance of peri-operative hypothermia? Yes No Unknown

29a. Are there funded consultant sessions for the medicine for the elderly care in surgical patients? Yes No Unknown

29b. If YES, which specialtes have these facilities?

<input type="checkbox"/> Cardiothoracic Surgery	<input type="checkbox"/> Neurosurgery
<input type="checkbox"/> Otolaryngology	<input type="checkbox"/> Plastic Surgery (excluding hand surgery)
<input type="checkbox"/> Hand Surgery	<input type="checkbox"/> Trauma and Orthopaedic Surgery
<input type="checkbox"/> General Surgery	<input type="checkbox"/> Urology
<input type="checkbox"/> Vascular Surgery	<input type="checkbox"/> Gynaecology
<input type="checkbox"/> Oral and Maxillofacial Surgery	<input type="checkbox"/> Other (please specify) <input type="text"/>



POST OPERATIVE FACILITIES

- 30a. Does this hospital have an acute pain service? Yes No Unknown
- 30b. If YES, are there designated specialised pain nurses for this service? Yes No Unknown
- 30c. If YES to 30a, are there designated consultant sessions for this service? Yes No Unknown
- 30d. If YES to 30a, is training provided to ward staff in pain assessment and management in the elderly? Yes No Unknown
- 31a. Does this hospital have a Nutrition Team? Yes No Unknown
- 31b. If YES, is this who is involved in this? (answers may be multiple)
- Consultant Surgeon Dietician
- Consultant Physician Other (please specify)
- Nurse Specialist
32. Does this hospital have ready access to specialists in palliative care? Yes No Unknown
- 33a. Is there a formal multidisciplinary care team responsible for the care of post operative patients in any of the following specialties?
- General surgery Orthopaedics (elective)
- Vascular surgery Orthopaedics (trauma)
- Not applicable
- 33b. If YES, who is part of this?
- Ward nurses Occupational therapy
- Surgeons Social work
- Medicine for the elderly Tissue viability nurse
- Physiotherapy Discharge liaison nurse (or equivalent)
34. Does this hospital have access to beds in a geriatric orthopaedic rehabilitation unit or other intermediate care facility for the elderly? Yes No Unknown
35. Does this hospital have a policy for discharge planning in elderly patients? Yes No Unknown



36a. Does this hospital have any other policies for the care of elderly patients not already mentioned? Yes No Unknown

36b. If YES, please specify

AUDIT

37a. Does this hospital participate in regional or national audits of fractured neck of femur care e.g. College of Emergency Medicine? Yes No Unknown

37b. If YES, are the results of the above reviewed in a multidisciplinary forum? Yes No Unknown

38a. Does the hospital have a clinical governance committee? Yes No Unknown

38b. If YES, does the clinical governance committee receive evidence of meetings taking place? Yes No Unknown

39. Does the Medical Director have evidence that the clinical governance systems in the Trust ensure that all consultants are involved in clinical audit? Yes No Unknown

40. Does the Medical Director have evidence that the critical incident systems in the Trust are included in clinical audit? Yes No Unknown

41. Are all critical incidents forwarded to incident reporting services (e.g. National Reporting & Learning System (NPSA))? Yes No Unknown

42. Does the hospital have an on-site autopsy active mortuary? Yes No Unknown

THANK YOU FOR TAKING THE TIME TO COMPLETE THIS QUESTIONNAIRE

