NATIONAL CONFIDENTIAL ENQUIRY INTO PERIOPERATIVE DEATHS

DATA SUPPLEMENT FOR THE 2003 REPORT
WHO OPERATES WHEN II

Please read this supplement in conjunction with the full report

Published November 2003
INTRODUCTION


The question numbers in the supplement correspond to those in the questionnaire or the excel spreadsheet with which the data was collected. A copy of the questionnaire is attached.

Where a question is omitted from the supplement, the information collected for this field was either confidential (e.g. name of surgeon) or free text (e.g. procedure performed).

Requests for further information should be addressed to:

Michelle Schubert  
Clinical Researcher  
Epworth House  
25 City Road  
London  
EC1Y 1AA  
Tel: 020 7920 0999  
Fax: 020 7920 0997  
Email: mschubert@ncepod.org.uk  
Website: www.ncepod.org.uk

Contents

Data counts  
Appendix A – WOWII questionnaire  
Appendix B – Notes on completion of the questionnaire, including definitions
DATA COLLECTED FOR ‘WHO OPERATES WHEN? II’

Section One – The patient

2. Year of birth
1890 – 1990 ......................... 4
1900 – 1909 ......................... 456
1910 – 1919 ......................... 4052
1920 – 1929 ......................... 9919
1930 – 1939 ......................... 9835
1940 – 1949 ......................... 10067
1950 – 1959 ......................... 8864
1960 – 1969 ......................... 9745
1970 – 1979 ......................... 7200
1980 – 1989 ......................... 4785
1990 – 1999 ......................... 4877
2000 – 2001 ......................... 816
Missing ............................. 1723

3. Sex
Male ................................. 32395
Female .............................. 38649
Indeterminate ...................... 83
Missing ............................. 1216

5. Admission type
In-patient – elective ............ 29288
In-patient – emergency .......... 9586
Day case ............................ 31499
Missing ............................. 1970

7. ASA Status
1 ................................. 26693
2 ................................. 15053
3 ................................. 5829
4 ................................. 900
5 ................................. 151
6 ................................. 35
Missing ............................ 23682

Section Two – The theatre session

8. Theatre session type
Scheduled ......................... 61435
Emergency surgical ............ 5141
Emergency trauma ............... 3242
Unscheduled ...................... 1221
Missing ............................. 1304
9. **Classification of theatre case**
   - Emergency ........................................ 4441
   - Urgent ........................................... 4890
   - Scheduled ....................................... 17174
   - Elective ......................................... 40376
   - Missing .......................................... 5462

10. **Location of procedure**
   - Theatre suit ................................... 54599
   - Day case unit .................................. 11856
   - Other ............................................. 1300
       - A&E ........................................... 135
       - Anaesthetic Room ............................ 4
       - Angiography Unit ............................. 14
       - Burns Unit .................................... 1
       - Cataract Treatment Centre .................. 65
       - Critical Care .................................. 12
       - Clean Air Theatre ............................ 1
       - Colposcopy Clinic ............................. 2
       - Consulting Room .............................. 1
       - Dental Theatre ............................... 63
       - Dermatology Theatre ......................... 42
       - ECT ............................................. 6
       - Endocrinology ................................. 8
       - Endoscopy Suite ............................... 93
       - Endourology Suite ............................. 17
       - Endovascular Suite ........................... 27
       - ENT Department ............................... 1
       - Eye Theatre ..................................... 79
       - Gastro Unit .................................... 24
       - Gynaecology theatre .......................... 27
       - Hand Surgery Unit ............................ 15
       - Laser Centre ................................... 4
       - Minor Ops Theatre ............................. 20
       - Mobile Theatre ................................ 100
       - Orthopaedic Theatre ......................... 6
       - Ophthalmic Theatre ......................... 43
       - Oral facial Theatre ............................ 2
       - Outpatient Department ....................... 77
       - Plastics Theatre ............................... 34
       - Procedure Clinic ................................ 2
       - Radiology ...................................... 1
       - Radiotherapy ................................... 3
       - Short Stay Unit ................................. 43
       - Urology ......................................... 4
       - Vascular Suite ................................ 1
       - X-Ray Suite ................................... 5
       - Not stated ......................................
   - Missing ........................................... 4588
### Section Three – The procedure

#### 11&12 Derived start time

A derived start time for each procedure was determined from Question 11 (start time of anaesthesia) and question 12 (start time of surgery) after data collection. This allowed operations to be classified as Day, Evening or Night.

<table>
<thead>
<tr>
<th>Time</th>
<th>Operations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Day</td>
<td>08:00 – 17:59</td>
</tr>
<tr>
<td>Evening</td>
<td>18:00 – 23:59</td>
</tr>
<tr>
<td>Night</td>
<td>00:00 – 07:59</td>
</tr>
</tbody>
</table>

- Day .................................... 66429
- Evening.............................. 3889
- Night .................................. 593
- Missing .............................. 1432

#### 13. Type(s) of anaesthetic

<table>
<thead>
<tr>
<th>Anaesthetic Type</th>
<th>Operations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Local</td>
<td>13816</td>
</tr>
<tr>
<td>Epidural/Spinal</td>
<td>1879</td>
</tr>
<tr>
<td>Other regional</td>
<td>970</td>
</tr>
<tr>
<td>General</td>
<td>44957</td>
</tr>
<tr>
<td>Sedation</td>
<td>1025</td>
</tr>
<tr>
<td>Local and Epidural/Spinal</td>
<td>53</td>
</tr>
<tr>
<td>Local and Other regional</td>
<td>177</td>
</tr>
<tr>
<td>Local and General</td>
<td>2636</td>
</tr>
<tr>
<td>Local and Sedation</td>
<td>507</td>
</tr>
<tr>
<td>Epidural/Spinal and Other regional</td>
<td>40</td>
</tr>
<tr>
<td>Epidural/Spinal and General</td>
<td>1628</td>
</tr>
<tr>
<td>Epidural/Spinal and Sedation</td>
<td>516</td>
</tr>
<tr>
<td>Other regional and General</td>
<td>1136</td>
</tr>
<tr>
<td>Other regional and Sedation</td>
<td>54</td>
</tr>
<tr>
<td>General and Sedation</td>
<td>131</td>
</tr>
<tr>
<td>Local, Epidural/Spinal and Other regional</td>
<td>1</td>
</tr>
<tr>
<td>Local, Epidural/Spinal and General</td>
<td>16</td>
</tr>
<tr>
<td>Local, Epidural/Spinal and Sedation</td>
<td>6</td>
</tr>
<tr>
<td>Local, Other regional and General</td>
<td>44</td>
</tr>
<tr>
<td>Local, Other regional and Sedation</td>
<td>15</td>
</tr>
<tr>
<td>Local, General and Sedation</td>
<td>23</td>
</tr>
<tr>
<td>Epidural/Spinal, Other regional and General</td>
<td>7</td>
</tr>
<tr>
<td>Epidural/Spinal, General and Sedation</td>
<td>20</td>
</tr>
<tr>
<td>Epidural/Spinal, Other regional and Sedation</td>
<td>31</td>
</tr>
<tr>
<td>Other regional, General and Sedation</td>
<td>3</td>
</tr>
<tr>
<td>Local, Epidural/Spinal, Other regional and General</td>
<td>1</td>
</tr>
<tr>
<td>Local, Epidural/Spinal, General and Sedation</td>
<td>1</td>
</tr>
<tr>
<td>Local, Other regional, General and Sedation</td>
<td>1</td>
</tr>
<tr>
<td>Local, Epidural/Spinal, Other regional, General and Sedation</td>
<td>1</td>
</tr>
</tbody>
</table>

- Missing ................................... 2648
Section Four – The surgeon

17. **Grade of most senior surgeon**
   
   Consultant: 46115  
   Associate Specialist: 3186  
   Staff Grade/Trust Doctor: 5807  
   Clinical Assistant/ 
   Hospital Practitioner: 604  
   SpR with CCST: 221  
   Sub-specialty fellow: 686  
   SpR year 4 or greater: 2928  
   SpR year 3: 1178  
   SpR year 2: 1059  
   SpR year 1: 1185  
   Visiting SpR: 121  
   Registrar**: 951  
   SpR**: 2409  
   Premier SHO (or SHO for >2 years): 556  
   SHO year 2: 204  
   SHO year 1: 144  
   SHO**: 624  
   Pre-registration House Officer: 8  
   Other: 999  
   Missing: 3358  

   ** Fields generated after data collection due to large number of entries

18. **Was the senior surgeon present a locum?**
   
   Yes: 4084  
   No: 61592  
   Missing: 6667

19. **Years in grade of senior surgeon present**
   
   This field was very poorly completed and would have required extensive data cleaning for the information to be used. No crude counts are therefore available.

20. **If the senior surgeon present is a trainee, is he/she working?**
   
   An on call rota: 7126  
   A full shift: 1503  
   A partial shift: 522  
   Missing: 63192

21. **If the senior surgeon is a consultant and the procedure was commenced out of hours**

   **a. Was the surgeon on call?**
   
   Yes: 1359  
   No: 4847  
   Missing: 66137

   **b. Will the surgeon have time off following out-of-hours duties?**
   
   Yes: 867  
   No: 3582  
   Missing: 67894
23. **Speciality of consultant surgeon in charge**
Accident & Emergency ....................... 87
Cardiac/Thoracic/Cardiothoracic .......... 1185
General............................................. 11486
Neurosurgery..................................... 689
Obstetrics/Gynaecology ...................... 8593
Ophthalmology ................................. 7237
Oral & Maxillofacial ............................ 2509
Orthopaedic & Trauma ........................ 12909
Otorhinolaryngology ............................ 5474
Paediatric ........................................ 796
Plastic ............................................ 3117
Transplantation ................................. 96
Urology ............................................ 5727
Vascular .......................................... 1503
Other ............................................... 1641
Missing ........................................... 9294

Section Five – The anaesthetist

25. **Grade of most senior anaesthetist present during the procedure**
Consultant......................................... 39772
Associate Specialist ........................... 2729
Staff Grade/Trust Doctor .................... 5538
Clinical Assistant/
Hospital Practitioner .......................... 997
SpR with CCST .................................... 84
Sub-specialty fellow ............................. 36
SpR year 4 or greater ......................... 1589
SpR year 3 .......................................... 900
SpR year 2 .......................................... 735
SpR year 1 .......................................... 848
Visiting SpR ......................................... 60
Registrar** .......................................... 173
SpR** ................................................ 1599
Premier Senior House Officer ............. 463
SHO year 2 ......................................... 912
SHO year 1 ......................................... 792
SHO** ................................................ 1796
Pre-registration House Officer ............ 22
Other ................................................ 451
No anaesthetist present ...................... 5148
Missing ............................................ 769

**** Fields generated after data collection due to large number of entries

26. **Years in grade of most senior anaesthetist present**
This field was very poorly completed and would have required extensive data cleaning for the information to be used. No crude counts are therefore available.
27. **If the senior anaesthetist present is a trainee, is he/she working?**
   - An on call rota .......................... 5158
   - A full shift ............................... 952
   - A partial shift ........................... 1892
   - Missing ................................... 64341

28. **If the senior anaesthetist is a consultant and the procedure was commenced out of hours**
   **Will the anaesthetist have time off following out-of-hours duties?**
   - Yes ......................................... 960
   - No ........................................... 3751
   - Missing ................................... 67632

30. **If the senior anaesthetist is not a consultant, was there**
   **Immediately available supervision?**
   - Immediately available supervision....... 4146
   - Local supervision ............................. 7170
   - Distant supervision ............................ 5004
   - Missing ................................................. 56005

---

**Section 6 – Recovery and final destination**

32. **Would the arrangements for the recovery of this patient prevent the start of another case?**
   - Yes ......................................... 2916
   - No ........................................... 59681
   - Missing ................................... 9746

33. **Was the patient sent to recovery?**
   - Yes ......................................... 58258
   - No ........................................... 9661
   - Missing ................................... 4424

34. **Final destination after leaving suite**
   - HDU ............................................. 1074
   - ICU ............................................. 1342
   - CCU ............................................. 145
   - Appropriate surgical specialty ward ..... 30118
   - General surgical ward ...................... 15098
   - General Medical Ward ..................... 640
   - Home ......................................... 8858
   - Died in theatre .............................. 53
   - Other* ......................................... 8697
   - Missing ................................................. 6318

*The ‘other’ category was very poorly completed and many entries were indecipherable. Further breakdown can therefore not be provided.*