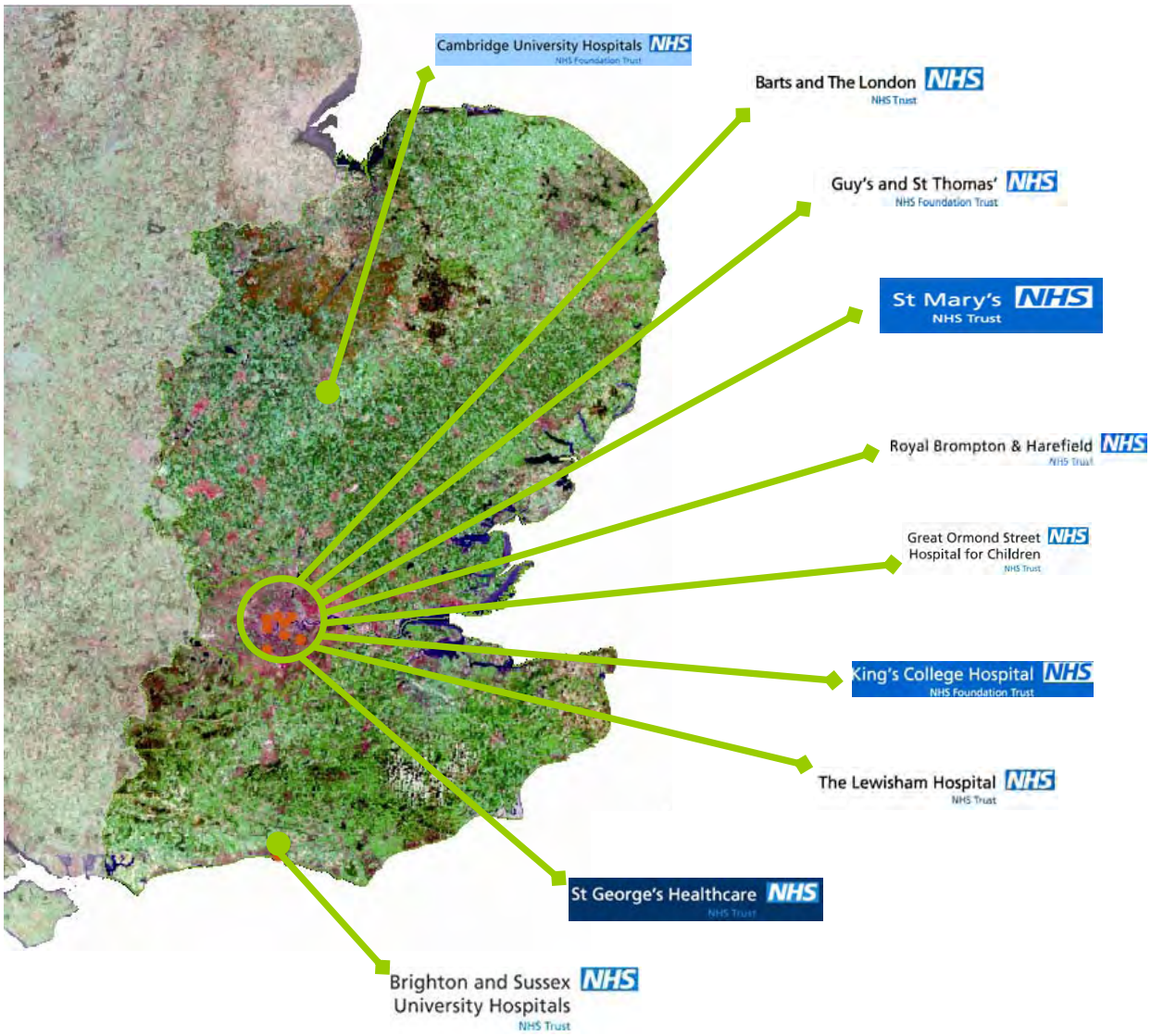
# Pan Thames Report of the Paediatric Intensive Care Audit Network

January 2005 – December 2007



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**KEY FOR PAN THAMES UNITS**

| NHS Trust | Participating Hospital | Trust ID | Unit N$^{o}$ |
|---|---|---|---|
| Cambridge University Hospitals NHS Foundation Trust | Addenbrooke's Hospital | A | 4 |
| Brighton & Sussex University Hospitals NHS Trust | Royal Alexandra Hospital for Sick Children | B | 2 |
| Great Ormond Street Hospital NHS Trust | Great Ormond Street Hospital for Children | E | 11 |
| Guy's & St. Thomas' NHS Foundation Trust | Evelina Children's Hospital | F | 12 |
| King's College Hospital NHS Trust | King's College Hospital | H | 13 |
| Royal Brompton & Harefield NHS Trust | Royal Brompton Hospital | O | 14 |
| St. George's Healthcare NHS Trust | St. George's Hospital | T | 15 |
| St. Mary's NHS Trust | St. Mary's Hospital | U | 16 |
| The Lewisham Hospital NHS Trust | University Hospital, Lewisham | J | 17 |
| Barts and Royal London NHS Trust | The Royal London Hospital, Whitechapel | Z | 32 |

## 1 CONTENTS



## 2 ACKNOWLEDGEMENTS

This report would not have been possible without the commitment and effort of members of the ten Pan Thames paediatric intensive care unit (PICU) teams in contributing data to the Paediatric Intensive Care Audit Network (PICANet) (Appendix A). This year we have the pleasure in including The Royal London Hospital, part of Barts and Royal London NHS Trust who have opened a new paediatric stabilisation unit in Whitechapel, London. We are very grateful to all audit clerks, managers, secretaries, nurses and doctors for their contribution in helping making this report feasible.

PICANet is funded by the Healthcare Quality Improvement Partnership, Health Commission Wales Specialist Services, NHS Lothian/ National Service Division, NHS Scotland and the Royal Belfast Hospital for Sick Children. The Pan Thames PICU Commissioning Consortium fund the Pan Thames PICANet co-ordinator post. This post is now accommodated by Great Ormond Street Hospital of Children and the Centre for Health Informatics, City University. We are grateful to these organisations for their continued support.

The Paediatric Intensive Care Society (PICS), the PICANet Clinical Advisory Group (CAG) [Appendix B], and the PICANet Steering Group (SG) [Appendix C] are thanked for their continued support, advice and direction in developing PICANet. Sarah Skinner, a newly appointed member of PICANet (University of Leeds) is thanked for her administrative support and Martin Perkins (University of Leicester) for PICANet software development and maintenance. We would also like to thank Thomas Fleming (Database Manager) for managing and reporting on the data regularly and promptly for both this report and for the numerous data requests made by Pan Thames data users. The principle investigators Prof Patricia McKinney, Prof Elizabeth Draper and Dr Roger Parslow are thanked for their guidance and management of the over all project.

## 3 FOREWORD

As a Principal Investigator of PICANet since its establishment in 2002, it is with great pleasure that I can report the successful outcome of a bid to the Healthcare Quality Improvement Partnership (HQIP) for continued funding for PICANet for a period of two years. PICANet is now formally recognised as a national audit under this new NHS configuration which is revitalising clinical audit. HQIP was established in April 2008 to promote quality for better health services and in particular to increase the impact that clinical audit has on healthcare quality in England and Wales. It is led by a consortium of the Academy of Royal Colleges, the Royal College of Nursing and the Long Term Conditions Alliance.

From the beginning, the Pan Thames commissioners have been integral to the successful development of PICANet and they have ensured the local feedback of information to clinical teams in their Paediatric Intensive Care Units. The Pan Thames PICANet Report provides an overview of paediatric intensive care activity, with a level of detail and information that is not available to many paediatric specialities. However, the commitment of clinicians and their staff is the cornerstone of PICANet and all within pan Thames are to be congratulated on much improved data quality. We can now look forward to a period of stable development and new initiatives in PICANet.

Best wishes from Tricia McKinney on behalf of the PICANet team.

# 4 EXECUTIVE SUMMARY

## PICANet data

1. This is the Fourth Annual Report from the Pan Thames consortium of the Paediatric Intensive Care Network (PICANet), fulfilling the aims and objectives of PICANet, the Pan Thames PICU Commissioning Consortium and the regional PICU Health Informatics Groups (PH*i*G).
2. PICANet is a clinical audit of paediatric intensive care (PIC) activity in England and Wales. The specific objectives of PICANet are to identify best practice, monitor supply and demand, monitor and review outcomes of treatment episodes, facilitate strategic health care planning, quantify resource requirements and study the epidemiology of critical illness in children.
3. PICANet aggregates a core dataset from all member PICUs on a secure server in Leeds. Rigorous data quality procedures, incorporating iterative feedback loops between PICANet and participating Paediatric Intensive Care Units (PICUs) continue to ensure the dataset is of the highest quality.
4. PICANet is developing and expanding the core dataset in response to changes in the infrastructure and funding streams of the NHS. PICANet has provided customised software for PICUs to record the Paediatric Critical Care Minimum Dataset (PCCMDS) to support the Paediatric Critical Care Healthcare Resource Groups (HRGs) and Payment by Results (PbR).
5. Identification of individual General Practices by GP Practice Code is included, as requested by the Pan Thames Commissioners.
6. Ten out of the 32 PICUs contributing data to PICANet fall within the Pan Thames region.
7. Although Pan Thames PICUs have made considerable improvements in managing their PICANet data, a small number of units continue to have difficulties in managing the process due to staff allocation and training. In these units, there remains substantial room for improvement in the data submission frequency and data recording levels particularly of some physiological measurements and NHS Number.
8. Two groups of Pan Thames patients are identified: (1) patients who attend Pan Thames PICUs and (2) patients who live in the Pan Thames region, but who attend other PICUs within the UK. This report focuses on patients who were treated in Pan Thames PICUs.
9. The Primary Care Trust and Strategic Health Authority (SHA) of the patients' residence at time of admission is determined via their residential postcode. Prevalence of admissions to paediatric intensive care by SHA is mapped using population counts from the 2001 UK Census.
10. Data are presented on 16,021 admissions to the 10 Pan Thames PICUs for the period 2005-2007. Of these, 15,786 admissions were for children under the age of 16 years. Pan Thames admitted 37% (15,786 /43,841) of all admissions aged under 16 years reported to PICANet.
11. Analysis of the 15,786 admissions to the Pan Thames PICU units over the three year period indicate that while overall numbers remain relatively stable at between 5160 and 5372 per annum. This report further details inflow (2161) and outflow (471)

of admissions between Pan Thames and Non Pan Thames regions. 13.5% (2161/16021) of Pan Thames admissions were of outer regional patients.

12. Children under 1 year comprise 50% of all admissions, with an overall excess of boys (57%) compared to girls (43%).
13. The majority of admissions (59%) are unplanned.
14. Retrieval of 78% of children is by specialist paediatric intensive care teams.
15. Invasive ventilation procedures are recorded for 67% of admissions but this varies by trust between 6% and 88% over the three years.
16. A total of 88,049 bed days were delivered between 2005 and 2007 within Pan Thames. This represents 35% (88,049/ 253,554) of all bed days recorded in PICANet during the same period.
17. Length of stay (LoS) and Grouped LoS changes, have been calculated to the minute and presented as numbers of admissions by LoS category and diagnostic group. Length of stay ranges from less than an hour (0.2% of admissions) to 7 days or longer (16% of admissions).
18. This report describes admission characteristics by length of stay groups (<14 days, 14 - <28 , 28 - <90 and 90+ days.
19. Ninety five percent of children admitted to PICU are discharged alive. This figure has remained unchanged since the last report. For 2005 - 2007 combined, no individual unit showed any excess risk-adjusted mortality.
20. The 15,786 admissions to Pan Thames PICUs during 2005 - 2007 were made for 11,529 children. Over 73% of these children were admitted on one occasion only. 0.8% percent of children have had more than 8 admissions.

# 5 ORIENTATING YOURSELF AROUND THE REPORT

This report focuses on reporting Pan Thames PICANet data for the period January 2005 - December 2007.

## 5.1 A report of the PICANet data (January 2005 - December 2007) for the Pan Thames region

An overview of the data contained in the tables and figures is provided in this section. The hyperlinks should be used to view the relevant data sections in the appendices.

In the web document, the hyperlink will take you to an Excel spreadsheet that contains links to all the tables and figures in the section. The data, diagrams and graphs are freely available for you to download.

The PICANet dataset is dynamic as units continually submit new data. This means that overall figures for 2005 and 2007 may have changed since the publication of the previous Pan Thames report. The data in this report are those supplied to PICANet up to June 2nd, 2007 for the reporting period January 2005 to December 2007.

Readers of this report are directed to the PICANet National Report 2005 - 2007[i] which gives a picture of national PIC activity and provides national benchmarks for comparison. To facilitate cross referencing, where ever possible, the Pan Thames report follows the same structure as the national PICANet Report.

[i] Paediatric Intensive Care Audit Network National Report 2005 - 2007 (published June 2008) Universities of Leeds and Leicester ISBN 978 0 85316 275 9

# 6 OVERALL AIM OF THIS REPORT

This report aims to:

- Provide descriptive information, tailored to the local needs of clinical teams, healthcare planners and commissioners.
- Allow comparison of PICU activity within the Pan Thames region.
- Allow comparison of PICU activity out with the Pan Thames region.
- Identify regional issues associated with data management and data quality.
- Provide supporting data for the Pan Thames Consortium Annual Report: Project Workstreams 2008.

## 6.1 Aims and objectives of PICANet

Please follow the links for further information on the groups.

1) **PICANet** remains committed to achieving its principle objectives:

- To identify best practice.
- To monitor supply and demand.
- To monitor and review outcomes of treatment episodes.
- To facilitate strategic healthcare planning and quantify resource requirements.
- To study the epidemiology of critical illness in children.

# 7 THE PICANET DATASET

During the course of the last 3 years, the PICANet dataset has undergone considerable change and development. Since these changes were applied to all PICANet units across the country, readers are directed to the PICANet National Report 2005 – 2007 for a full description of changes.

The dataset chapter of the PICANet National Report covers the following topics:

- Development and description of the current dataset
- The Paediatric Critical Care Minimum Dataset
- Retrievals dataset
- Data collection and validation
- Clinical coding
- Confidentiality
- Data transmission

Please use the link below to access the dataset chapter on the PICANet National Report (2005 - 2007).
http://www.picanet.org.uk/Documents/General/Annual_Report_2008/PICANet%20National%20Report%202005%20-%202007.htm#C6

The PICANet proforma is provided in Appendix E, while details of information requested by Pan Thames from PICANet, based on this dataset, are outlined in Appendix D.

## 8 DATASET DEFINITIONS FOR THIS REPORT

This report covers the three year period, January 2005 - December 2007. During this time, there were 16, 021 admissions to Pan Thames PICUs. This represents 35.7% (16,021/ 44,836) of all admissions registered on the PICANet database from 33 units across the UK for the same period.

Ten Pan Thames NHS trusts now contributed to this report. Bart's and the London Children's Hospital's new paediatric critical care unit became operational in February 2007 and as such contributed data for only part of the reported period.

The 10 Pan Thames PIC units/ Trusts are identified with agreement from all participating trusts' Chief Executives. A key is provided on page 2.

V*alidated home address postcode* of children admitted to PICU was linked to the Strategic Health Authority (SHA) or Primary Care Organisation (PCO) via the National Statistics Postcode Directory (NSPD). (http://www.statistics.gov.uk/geography/nspd.asp).

In this report data are presented in line with Primary Care Organisation (PCO) boundaries (as defined by patient's home address) and their equivalent Strategic Health Authority boundaries, (Figure DS 1).

**Figure DS1 The Pan Thames geographical areas as defined by Primary Care Organisations and Strategic Health Authorities**

East of England (Q35)
1 - Bedfordshire (5P2)
2 - Cambridgeshire (5PP)
3 - East and North Hertfordshire (5P3)
4 - Great Yarmouth and Waveney (5PR)
5 - Luton (5GC)
6 - Mid Essex (5PX)
7 - Norfolk (5PQ)
8 - North East Essex (5PW)
9 - Peterborough (5PN)
10 - South East Essex (5P1)
11 - South West Essex (5PY)
12 - Suffolk (5PT)
13 - West Essex (5PV)
14 - West Hertfordshire (5P4)

London (Q36)
15 - Barking and Dagenham (5C2)
16 - Barnet (5A9)
17 - Bexley (TAK)
18 - Brent Teaching (5K5)
19 - Bromley (5A7)
20 - Camden (5K7)
21 - City and Hackney Teaching (5C3)
22 - Croydon (5K9)
23 - Ealing (5HX)
24 - Enfield (5C1)
25 - Greenwich Teaching (5A8)
26 - Hammersmith and Fulham (5H1)
27 - Haringey Teaching (5C9)
28 - Harrow (5K6)
29 - Havering (5A4)
30 - Hillingdon (5AT)
31 - Hounslow (5HY)
32 - Islington (5K8)
33 - Kensington and Chelsea (5LA)
34 - Kingston (5A5)
35 - Lambeth (5LD)
36 - Lewisham (5LF)
37 - Newham (5C5)
38 - Redbridge (5NA)
39 - Richmond and Twickenham (5M6)
40 - Southwark (5LE)
41 - Sutton and Merton (5M7)
42 - Tower Hamlets (5C4)
43 - Waltham Forest (5NC)
44 - Wandsworth (5LG)
45 - Westminster (5LC)

South East Coast (Q37)
46 - Brighton and Hove City (5LQ)
47 - East Sussex Downs and Weald (5P7)
48 - Eastern and Coastal Kent (5QA)
49 - Hastings and Rother (5P8)
50 - Medway (5L3)
51 - Surrey (5P5)
52 - West Kent (5P9)
53 - West Sussex (5P6)


**Primary Care Organisational Boundaries** → **Strategic Health Authority Boundaries**



1) The report is primarily concerned with admissions aged 0 - 15 years, of which there were a total of 15,786 over the 3 year period. There were 235 admissions aged 16 years and above.
2) Unless stated otherwise, the proportions in tables throughout the report are row percentages, except in the total column where they are column percentages.
3) The term ‘unknown’ includes cases where the units have specifically recorded ‘not known’ and also cases where a required value has been left blank.

# 9 ADMISSIONS DATA

The number of admissions by month and the PICANet data quality index are provided in Appendices H and I.

**Tables 1 to 9** detail admission numbers by age, sex, month and year of admission, NHS trust and diagnostic group.

During the period January 2005 to December 2007, there were 43,841 admissions to all 33 participating PICANet PICUs under the age of 16 years.

15,786 admissions were to Pan Thames PICUs. This represents 36% of all admissions <16years of age recorded by PICANet. The distribution and characteristics of these patients are detailed below.

Nationally, 2.2% (995/44,836) of all admissions to PICUs were over the age of 16 years. Within Pan Thames, 1.4% (235/16,021) of patients attending its PICUs are over 16 years of age. These proportions have remained unchanged since the last report.

The primary diagnosis for admissions has been categorised into 13 diagnostic groups to enable simple comparison between NHS trusts. The classification is primarily based on Clinical Terms Version 3 diagnostics categories, with minor modifications. The groups are mutually exclusive:

- Infection excludes any respiratory or gastrointestinal infection but includes meningitis
- Neurological disorders include neurovascular complications
- Oncology includes neuro-oncology (brain tumours)
- Other includes those diagnoses not covered by the other 12 groups.

Details of the diagnostic group classifications are available from PICANet.

Clinical Terms background and structure are available from the Connecting for Health web site dedicated to clinical coding.

## 9.1 Admissions by Strategic Health Authority (SHA) / Health Board (HB)

**Table 10** provide the numbers of admissions by SHA / HB. These tables present column percentages.

For all UK PICANet admissions, 96.8% had addresses which were validated. The remaining 3.2% included foreign addresses (n=864, 2.0%) and missing addresses (n=522, 1.2%).

In Pan Thames, 772 patients were recorded as non UK residents. This represents 89% (772/864) of all non UK resident children recorded in the PICANet database.

**Figures 10** names the 53 Primary Care Organisations within Pan Thames' 3 Strategic Heath Authorities

39 children did not have resident addresses recorded in the Pan Thames region. This represents 7 % (39/522) of the UK population of paediatric admissions without an address on the PICANet database.

**Table 10** details admissions by SHA / HB and year, 2005 – 2007

**Table 10a** details admissions showing UK and non-UK status based on postal address by year, 2005 - 2007 (Pan Thames and non-Pan Thames admissions)

**Table 10 a-d** summarise the inflow and outflow of patients between Pan Thames and non-Pan Thames regions.

## 9.2 Admissions by mortality risk category

**Table 11** gives numbers of admissions by mortality risk group by NHS trust. The expected probability of mortality was estimated using the paediatric index of mortality (PIM)[1], using recalibrated coefficients supplied by UK PICOS[2]. The categorization into <1%, 1-<5%, 5%-<15%, 15-<30% and 30% plus expected probability of mortality reflects those used by the Australian and New Zealand Intensive Care Society (ANZPICS)[3]

## 9.3 Admissions by admission type

**Tables 12 – 15** present numbers by admission type (planned and non planned)

The following definitions for type of admission are used:

- An admission that is ***'planned - following surgery'*** is one that the unit is aware of before the surgery begins and one that could have been delayed for 24 hours without risk (e.g. spinal surgery).
- An admission that is ***'unplanned - following surgery'*** is one that the unit was not aware of before surgery began and one that could not have been delayed without risk (e.g. bleeding tonsillectomy).
- A ***'planned - other'*** admission is any other planned admission that is not an emergency (e.g. liver biopsy).
- An ***'unplanned - other'*** admission is one that the unit was not expecting and is therefore an emergency admission (e.g. status epilepticus).

NB: Surgery is defined as undergoing all or part of a procedure or anaesthesia for a procedure in an operating theatre or anaesthetic room. Patients admitted from the operating theatre where surgery is not the main reason for admission (e.g. a patient with a head injury who is admitted from theatre after insertion of an ICP monitor) are not included here. In such patients the main reason for admission is head injury and thus the admission type would be 'unplanned - other'.

## 9.4 Admissions by primary diagnostic group

**Tables 16 – 25** present a breakdown of admissions by diagnostic group and primary reason for admission.

The level of coding precision varies across units but according to their needs. This allows reliable aggregation of data only at the diagnostic group level for regional purposes.

## 9.5 References

1) Shann F, Pearson G, Slater A, Wilkinson K, Paediatric index of mortality (PIM): a mortality prediction model for children in intensive care. Intensive Care Med 1997; 23:201-207.

2) Brady AR, Harrison D, Black S, Jones S, Rowan K, Pearson G, Ratcliffe J, Parry GJ, on behalf of the UK PICOS Study Group. Assessment and Optimization of Mortality Prediction Tools for Admissions to Pediatric Intensive Care in the United Kingdom. Pediatrics 2006; 117: 733-742.
3) Australian and New Zealand Intensive Care Society. Report of the Australian and New Zealand Paediatric Intensive Care Registry 2005. ISBN: 1876980184 [Online] [Accessed 23/02/2007] Available from the World Wide Web at <http://www.anzics.com.au/uploads/2005ANZPICRReport.pdf>.

## 10 RETRIEVAL DATA

**Tables 26-28** present data on patient retrievals.

Data are collected on whether or not a child was retrieved or transferred into the PICU. The following definitions are used:

- ***'Own team'*** identifies that your own team collected the child from the referring hospital.
- ***'Other specialist team (PICU)'*** identifies that another PICU retrieval team transferred the child to your unit.
- ***'Other specialist team (non PICU)'*** identifies that another transport team, not a PICU team (e.g. Accident and Emergency Department (A&E), theatre teams or neonatal teams), transferred the child to your unit.
- ***'Non-specialist team'*** identifies that a non-PICU, non-specialist team transported the child to your unit (e.g. ward staff).

Within London, there are two specific transport teams, the Children's Acute Transfer Service (CATS) and the South Thames Retrieval Team. CATS is based at Great Ormond Street Hospital (GOSH), and is staffed separately from the intensive care units at GOSH. For the purposes of recording data for PICANet, any child retrieved by CATS into a PICU at GOSH is recorded as 'other specialist team (PICU)'.

The South Thames Retrieval Service (STRS) is based at Evelina Children's Hospital and is staffed by doctors and nurses from within the PICU. For PICANet data collection purposes, any child retrieved by STRS into the PICU at Evelina Children's Hospital is classed as 'own team'.

## 11 INTERVENTION DATA

**Tables 29-31** relate to specific interventional procedures carried out on PICU.

**Figures 31a and b** shows the percentage of children receiving invasive ventilation by SHA / HB and PCO in Great Britain respectively for 2006 and 2007.

Some specialist services such as extra corporeal membrane oxygenation (ECMO) or left ventricular assist device to support cardiac function (LVAD) are only available in a PICU where invasive cardiac procedures are routinely performed.

***Length of ventilation*** was calculated in whole days. Any ventilation during the period midnight to midnight was counted as one complete day of ventilation (e.g. a child intubated and ventilated at 23.45 on 7 March, and extubated at 02.30 on 8 March, would count as two days of ventilation). The proportion of children invasively ventilated can be used as a very rough proxy for level of care.

## 12 BED ACTIVITY AND LENGTH OF STAY

**Tables 32 – 40** present data on total bed days delivered and length of stay

A bed is counted as occupied if a child was present on a unit for any part of a day. The total number of bed days delivered is calculated as the sum of children receiving intensive care in a PICU each day.

Bed activity is described in terms of the total number of bed days delivered using summary statistics (median and inter-quartile range (IQR)) on the number of children occupying a bed on any day, aggregated by year and month or trust and length of stay. Median daily bed activity by month and year, and by NHS trust, is plotted using a box and whisker graph. This type of graph indicates the median by a line within the coloured box, the ends of which give the IQR. The 'whiskers' indicate values beyond the IQRs, although extreme outside values are not plotted. Children admitted prior to the report period, but discharged during it, are counted from 00:00 on 1 January 2005 until their discharge (or until 24:00 on 31 December 2007 if not discharged). Children admitted during the report period but discharged in 2008 (or who are still on the PICU) are counted from their admission date until 24:00 on 31 December 2007.

The maximum number of beds in each NHS trust is based on a survey carried out in 2005 and reconfirmed with PICU lead clinicians in 2006. These figures provide a very crude denominator to estimate overall 'occupancy', by comparing bed activity with available beds; they do not take account of periods when individual beds (or even units) are closed.

**Tables 34-35** and their associated figures present summary data by year and month and by trust and year on a 'bed census': the number of children present in a PICU bed at 10 minutes past midnight.

**Tables 36 – 37** present data described as 'bed activity' by month and by trust, where a bed is counted as occupied if a child was present on a unit for any part of a day. This inevitably results in higher figures than the bed census data, as a bed may have more than one child occupying it in any one day.

**Tables 38-39** present summary data on length of stay by trust and age group and trust and diagnostic group.

**Table 40** groups the number of admissions by length of stay by trust, calculated to the minute in categories ranging from less than 1 hour to over 1 week.

**Tables 40a – f** detail the characteristics of admissions based on length of stay grouping (<14 days, 14 day to <28 days, 28 days to <90 days, 90 days+). Characteristics assessed include; trust, total and mean invasive ventilation length and diagnostic groupings.

## 13 OUTCOME DATA

**Tables 41 – 55** detail mortality levels and follow-up outcome of regional patients.

Paediatric intensive care unit mortality data are described in this chapter in terms of crude mortality by age and sex for England, Wales and Edinburgh combined, and by trust, using unadjusted and risk-adjusted standardised mortality ratios (SMRs).

Unadjusted SMRs are calculated by dividing the expected number of deaths based on the national data by the observed number of deaths in each trust. Risk-adjusted SMRs are calculated by dividing the expected number of deaths (predicted by PIM[ii]) by the observed number of deaths in each trust. The original version of PIM was used, with revised coefficients supplied by UK PICOS[iii] that provide a recalibration of the model based on more recent data. We have also produced SMR using PIM 2[iv] for 2006 and 2007 (**figures 47a to 49c** respectively).

PICU mortality funnel plots are presented for 2005, 2006, 2007 and combined years to provide a visual means of comparing unadjusted and adjusted SMRs between trusts.

The SMRs are plotted on the y-axis against the number of admissions to the trust on the x-axis. Higher mortality rates are represented by points plotted above the line of unity, with those appearing outside the upper control limit indicating an unusually high mortality. Lower mortality rates are represented by points plotted below the line of unity and those falling below the lower control limit indicate unusually low mortality. The funnel plots are drawn in such a way, that there is an approximately 5% chance of a unit falling outside the control limits if the distribution of SMRs is random[v]

The PICANet policy for units falling outside the control limits are detailed in **Appendix J**.

**Figures 50a and b** show unadjusted and risk adjusted SMR (PIM) by Trust

**Figures 50c – 50d** show risk adjusted SMR (PIM) by SHA in Great Britain.

Risk-adjusted SMRs by SHA have been produced by allocating children to the SHA in which they were living, based on their home address at admission. These ratios have then been expressed as a percentage and mapped to illustrate the range of variability in SMRs between SHAs. It should be noted that these ratios have not been subject to any spatial smoothing and confidence intervals are relatively wide in areas of low population.

**Tables 51 – 55** Describe the follow-up of regional PICU admissions by age, sex and mortality.

### 13.1 References

[ii] Shann F, Pearson G, Slater A, Wilkinson K, Paediatric index of mortality (PIM): a mortality prediction model

for children in intensive care. Intensive Care Med 1997; 23:201-207

[iii] Brady AR, Harrison D, Black S, Jones S, Rowan K, Pearson G, Ratcliffe J, Parry GJ, on behalf of the UK PICOS Study Group. Assessment and Optimization of Mortality Prediction Tools for Admissions to Pediatric Intensive Care in the United Kingdom. Pediatrics 2006; 117: 733-742.

[iv] Shann F, Slater A, Pearson G. PIM 2: a revised version of the Paediatric Index of mortality. Intensive Care Med 2003; 29:278-285

[v] Spiegelhalter D. Funnel plots for institutional comparison. Quality and Safety in Health Care 2002;11(4):390-391.

## 14 DATA ON INDIVIDUAL CHILDREN

**Tables 56 – 59** describe readmission characteristics of regional patients, including variation by diagnostic groups.

In this chapter, the unit of analysis is the patient, as opposed to the admission. Patient linking is conducted primarily by NHS Number. Other variables used in linking patients are names, date of birth and sex, post code, gestational age and case numbers.

This chapter describes the PICU activity concerning individual patients and their patterns of care within the PICUs and gives a picture of the burden of disease on individual children, as well as its impact on service delivery.

Special attention is given to re-admissions in relation to age, diagnostic group and NHS trust. In the Pan Thames region, there were 15,786 admissions for children under the age of 15 years during 2005 – 2007. These admissions were made by 11,529 children.

## 15 PREVALENCE FOR ADMISSION

**Tables 60 – 61** present age-specific prevalence for Pan Thames PICU admission (crude and standardised).

**Figures 61a – 61b** map regional age sex standardised prevalence by SHA and PCO respectively.

Age and sex-specific prevalence for admission to PICUs have been calculated with 95% Poisson confidence intervals, using population counts from the 2001 Census[vi].

Children were allocated to an SHA / HB using their residential address at admission. Patients' home addresses were validated using the All Fields Directory (AFD) address validation software to obtain a correct postcode[vii]. Using the National Statistics Postcode Directory (http://www.statistics.gov.uk/geography/nspd.asp), the postcodes were then linked to SHA / HB.

### 15.1 References

[vi] Office for National Statistics. 2001 Census : Census Area Statistics (England and Wales) [computer file]. ESRC/JISC Census Programme, Census Dissemination Unit, MIMAS (University of Manchester)

[vii] AFD Refiner Q.2/07. AFD Software Ltd, Lough House, Approach Road, Ramsey, ISLE OF MAN, IM8 1RG, UK, 2007.

# 16 DATA QUALITY

## 16.1 Introduction

Data quality continues to be of paramount importance to PICANet as we expand our data collection to include the Paediatric Critical Care Minimum Dataset (PCCMDS). Considerable emphasis has been place by both PICANet and PICU leads in ensuring that data quality issues are addressed in repeated quality assurance cycles.

During the last 4 years, Pan Thames units have made considerable improvements to their data management processes. This chapter details the current quality of regional PICANet data and the improvements that have been achieved. Attention is also drawn to data items that continue to require attention and also to new items of data that require particular attention in the future.

Full details of the processes through which data quality is controlled and assured in PICANet are available from the data quality chapter of the PICANet National Report 2004 – 2006.

The results are presented by unit as well as by NHS Trust to acknowledge the importance of unit level data management.

## 16.2 Completeness of PICANet data

The completeness level for all data items collected by Pan Thames units is given in **Table DQ1**, showing 94.7% completeness of the data items. **Table DQ2** details the completeness of the data by month and by year for the last 3 years, while **Table DQ3** provides a breakdown by individual unit for the combined 3 years.

It is found that the non-Pan Thames PICANet dataset contained 3.8% of exception values (i.e. data collected as ‘not recorded’ or ‘not known’) while Pan Thames units have 4.8% of such data). This equates to 36597 out of a total 768325 data items not having data recorded. In total, 0.4% and 0.6% variables were left blank in the respective groups of units.

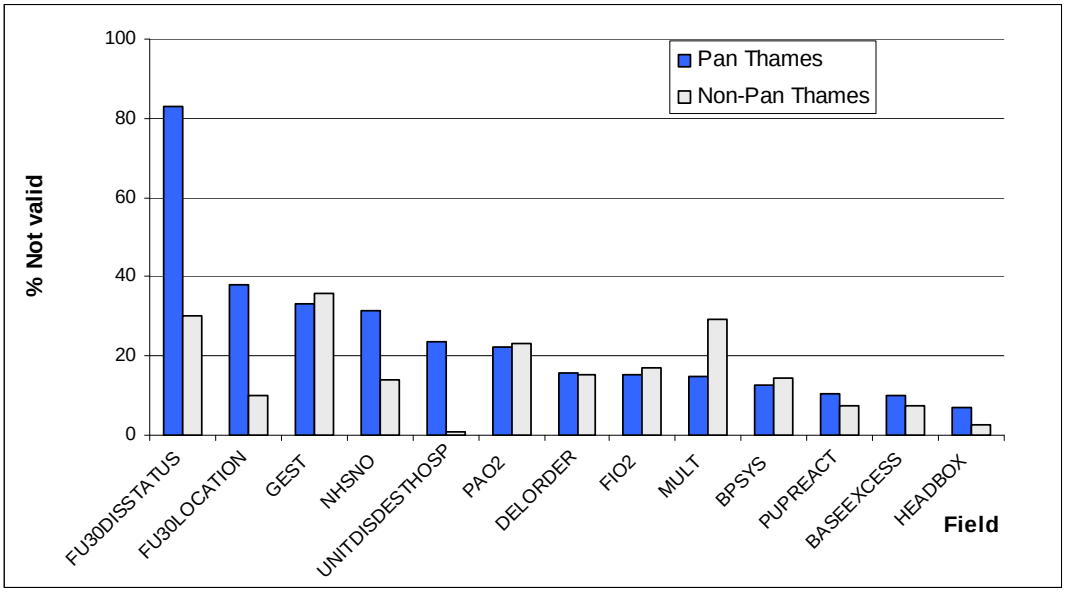
## Table DQ1 Data completeness in Pan Thames PICUs

| FIELD | Eligible | Complete | | | | | | Incomplete | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Valid | | Exceptions | | Total | | Invalid | | Blank | | Total | |
| | | n | % | n | % | n | % | n | % | n | % | n | % |
| **ADDATE** | **16021** | 16021 | (100.0) | 0 | (0.0) | **16021** | **(100.0)** | 0 | (0.0) | 0 | (0.0) | **0** | **(0.0)** |
| **ADDRESS1** | **16021** | 16008 | (99.9) | 0 | (0.0) | **16008** | **(99.9)** | 0 | (0.0) | 13 | (0.1) | **13** | **(0.1)** |
| **ADNO** | **16021** | 16021 | (100.0) | 0 | (0.0) | **16021** | **(100.0)** | 0 | (0.0) | 0 | (0.0) | **0** | **(0.0)** |
| **ADTIME** | **16021** | 16021 | (100.0) | 0 | (0.0) | **16021** | **(100.0)** | 0 | (0.0) | 0 | (0.0) | **0** | **(0.0)** |
| **ADTYPE** | **16021** | 16005 | (99.9) | 16 | (0.1) | **16021** | **(100.0)** | 0 | (0.0) | 0 | (0.0) | **0** | **(0.0)** |
| **APDIAG** | **16021** | 16021 | (100.0) | 0 | (0.0) | **16021** | **(100.0)** | 0 | (0.0) | 0 | (0.0) | **0** | **(0.0)** |
| **BASEEXCESS** | **11460** | 10312 | (90.0) | 1146 | (10.0) | **11458** | **(100.0)** | 0 | (0.0) | 2 | (0.0) | **2** | **(0.0)** |
| **BGFIRSTHR** | **14270** | 14205 | (99.5) | 64 | (0.4) | **14269** | **(100.0)** | 0 | (0.0) | 1 | (0.0) | **1** | **(0.0)** |
| **BPSYS** | **16021** | 13974 | (87.2) | 2047 | (12.8) | **16021** | **(100.0)** | 0 | (0.0) | 0 | (0.0) | **0** | **(0.0)** |
| **CAREAREAAD** | **15826** | 14844 | (93.8) | 982 | (6.2) | **15826** | **(100.0)** | 0 | (0.0) | 0 | (0.0) | **0** | **(0.0)** |
| **CASENO** | **16021** | 16021 | (100.0) | 0 | (0.0) | **16021** | **(100.0)** | 0 | (0.0) | 0 | (0.0) | **0** | **(0.0)** |
| **DELORDER** | **563** | 474 | (84.2) | 89 | (15.8) | **563** | **(100.0)** | 0 | (0.0) | 0 | (0.0) | **0** | **(0.0)** |
| **DISPALCARE** | **15253** | 14895 | (97.7) | 358 | (2.3) | **15253** | **(100.0)** | 0 | (0.0) | 0 | (0.0) | **0** | **(0.0)** |
| **DOB** | **16021** | 16021 | (100.0) | 0 | (0.0) | **16021** | **(100.0)** | 0 | (0.0) | 0 | (0.0) | **0** | **(0.0)** |
| **DOBEST** | **16021** | 16021 | (100.0) | 0 | (0.0) | **16021** | **(100.0)** | 0 | (0.0) | 0 | (0.0) | **0** | **(0.0)** |
| **DOD** | **854** | 845 | (98.9) | 0 | (0.0) | **845** | **(98.9)** | 0 | (0.0) | 9 | (1.1) | **9** | **(1.1)** |
| **ECMO** | **16021** | 15971 | (99.7) | 50 | (0.3) | **16021** | **(100.0)** | 0 | (0.0) | 0 | (0.0) | **0** | **(0.0)** |
| **ETHNIC** | **16021** | 16021 | (100.0) | 0 | (0.0) | **16021** | **(100.0)** | 0 | (0.0) | 0 | (0.0) | **0** | **(0.0)** |
| **FAMILYNAME** | **16021** | 16020 | (100.0) | 0 | (0.0) | **16020** | **(100.0)** | 0 | (0.0) | 1 | (0.0) | **1** | **(0.0)** |
| **FIO2** | **11460** | 9693 | (84.6) | 1758 | (15.3) | **11451** | **(99.9)** | 0 | (0.0) | 9 | (0.1) | **9** | **(0.1)** |
| **FIRSTNAME** | **16021** | 16019 | (100.0) | 0 | (0.0) | **16019** | **(100.0)** | 0 | (0.0) | 2 | (0.0) | **2** | **(0.0)** |
| **FU30DISSTATUS** | **14554** | 2488 | (17.1) | 12057 | (82.8) | **14545** | **(99.9)** | 0 | (0.0) | 9 | (0.1) | **9** | **(0.1)** |
| **FU30LOCATION** | **2513** | 1554 | (61.8) | 957 | (38.1) | **2511** | **(99.9)** | 0 | (0.0) | 2 | (0.1) | **2** | **(0.1)** |
| **FU30LOCHOSP** | **313** | 308 | (98.4) | 3 | (1.0) | **311** | **(99.4)** | 0 | (0.0) | 2 | (0.6) | **2** | **(0.6)** |
| **GEST** | **9535** | 6385 | (67.0) | 3150 | (33.0) | **9535** | **(100.0)** | 0 | (0.0) | 0 | (0.0) | **0** | **(0.0)** |
| **HEADBOX** | **11460** | 10676 | (93.2) | 777 | (6.8) | **11453** | **(99.9)** | 0 | (0.0) | 7 | (0.1) | **7** | **(0.1)** |
| **ICPDEVICE** | **14270** | 14226 | (99.7) | 44 | (0.3) | **14270** | **(100.0)** | 0 | (0.0) | 0 | (0.0) | **0** | **(0.0)** |
| **INTTRACHEOSTOMY** | **16021** | 15979 | (99.7) | 42 | (0.3) | **16021** | **(100.0)** | 0 | (0.0) | 0 | (0.0) | **0** | **(0.0)** |
| **INTUBATION** | **11460** | 11247 | (98.1) | 207 | (1.8) | **11454** | **(99.9)** | 0 | (0.0) | 6 | (0.1) | **6** | **(0.1)** |
| **INTUBEVER** | **16021** | 16021 | (100.0) | 0 | (0.0) | **16021** | **(100.0)** | 0 | (0.0) | 0 | (0.0) | **0** | **(0.0)** |
| **INVVENT** | **16021** | 15988 | (99.8) | 32 | (0.2) | **16020** | **(100.0)** | 0 | (0.0) | 1 | (0.0) | **1** | **(0.0)** |
| **INVVENTDAY** | **10757** | 10703 | (99.5) | 52 | (0.5) | **10755** | **(100.0)** | 0 | (0.0) | 2 | (0.0) | **2** | **(0.0)** |
| **LVAD** | **16021** | 15969 | (99.7) | 52 | (0.3) | **16021** | **(100.0)** | 0 | (0.0) | 0 | (0.0) | **0** | **(0.0)** |
| **MECHVENT** | **16021** | 15867 | (99.0) | 154 | (1.0) | **16021** | **(100.0)** | 0 | (0.0) | 0 | (0.0) | **0** | **(0.0)** |
| **MEDHISTEVID** | **16021** | 15683 | (97.9) | 338 | (2.1) | **16021** | **(100.0)** | 0 | (0.0) | 0 | (0.0) | **0** | **(0.0)** |
| **MULT** | **16021** | 13635 | (85.1) | 2385 | (14.9) | **16020** | **(100.0)** | 0 | (0.0) | 1 | (0.0) | **1** | **(0.0)** |
| **NHSNO** | **16021** | 10968 | (68.5) | 755 | (4.7) | **11723** | **(73.2)** | 0 | (0.0) | 4298 | (26.8) | **4298** | **(26.8)** |
| **NONINVVENT** | **16021** | 15939 | (99.5) | 81 | (0.5) | **16020** | **(100.0)** | 0 | (0.0) | 1 | (0.0) | **1** | **(0.0)** |
| **NONINVVENTDAY** | **2104** | 2060 | (97.9) | 43 | (2.0) | **2103** | **(100.0)** | 0 | (0.0) | 1 | (0.0) | **1** | **(0.0)** |
| **PAO2** | **11460** | 8896 | (77.6) | 2537 | (22.1) | **11433** | **(99.8)** | 0 | (0.0) | 27 | (0.2) | **27** | **(0.2)** |
| **POSTCODE** | **16021** | 15998 | (99.9) | 0 | (0.0) | **15998** | **(99.9)** | 0 | (0.0) | 23 | (0.1) | **23** | **(0.1)** |
| **PREVICUAD** | **16021** | 15834 | (98.8) | 187 | (1.2) | **16021** | **(100.0)** | 0 | (0.0) | 0 | (0.0) | **0** | **(0.0)** |
| **PRIMDIAG** | **16021** | 15974 | (99.7) | 0 | (0.0) | **15974** | **(99.7)** | 45 | (0.3) | 2 | (0.0) | **47** | **(0.3)** |
| **PRIMREASON** | **14270** | 13732 | (96.2) | 537 | (3.8) | **14269** | **(100.0)** | 0 | (0.0) | 1 | (0.0) | **1** | **(0.0)** |
| **PUPREACT** | **16021** | 14369 | (89.7) | 1652 | (10.3) | **16021** | **(100.0)** | 0 | (0.0) | 0 | (0.0) | **0** | **(0.0)** |
| **RENALSUPPORT** | **14270** | 14240 | (99.8) | 29 | (0.2) | **14269** | **(100.0)** | 0 | (0.0) | 1 | (0.0) | **1** | **(0.0)** |
| **RETRIEVAL** | **16021** | 15949 | (99.6) | 71 | (0.4) | **16020** | **(100.0)** | 0 | (0.0) | 1 | (0.0) | **1** | **(0.0)** |
| **RETRIEVALBY** | **6248** | 6036 | (96.6) | 212 | (3.4) | **6248** | **(100.0)** | 0 | (0.0) | 0 | (0.0) | **0** | **(0.0)** |
| **SEX** | **16021** | 15999 | (99.9) | 22 | (0.1) | **16021** | **(100.0)** | 0 | (0.0) | 0 | (0.0) | **0** | **(0.0)** |
| **SOURCEAD** | **16021** | 15997 | (99.9) | 24 | (0.1) | **16021** | **(100.0)** | 0 | (0.0) | 0 | (0.0) | **0** | **(0.0)** |
| **TIMEDTH** | **768** | 768 | (100.0) | 0 | (0.0) | **768** | **(100.0)** | 0 | (0.0) | 0 | (0.0) | **0** | **(0.0)** |
| **UNITDISDATE** | **16021** | 16021 | (100.0) | 0 | (0.0) | **16021** | **(100.0)** | 0 | (0.0) | 0 | (0.0) | **0** | **(0.0)** |
| **UNITDISDEST** | **15253** | 15059 | (98.7) | 193 | (1.3) | **15252** | **(100.0)** | 0 | (0.0) | 1 | (0.0) | **1** | **(0.0)** |
| **UNITDISDESTHOSP** | **14690** | 11235 | (76.5) | 3455 | (23.5) | **14690** | **(100.0)** | 0 | (0.0) | 0 | (0.0) | **0** | **(0.0)** |
| **UNITDISSTATUS** | **16021** | 16021 | (100.0) | 0 | (0.0) | **16021** | **(100.0)** | 0 | (0.0) | 0 | (0.0) | **0** | **(0.0)** |
| **UNITDISTIME** | **16021** | 16018 | (100.0) | 0 | (0.0) | **16018** | **(100.0)** | 0 | (0.0) | 3 | (0.0) | **3** | **(0.0)** |
| **VASOACTIVE** | **16021** | 15982 | (99.8) | 39 | (0.2) | **16021** | **(100.0)** | 0 | (0.0) | 0 | (0.0) | **0** | **(0.0)** |
| **Total** | **768325** | **727257** | **(94.7)** | **36597** | **(4.8)** | **763854** | **(99.4)** | **45** | **(0.0)** | **4426** | **(0.6)** | **4471** | **(0.6)** |

## 16.3 Data items needing improvements in Pan Thames

**Figure DQ1: Percentage of none valid (exception or blank) values in the PICANet dataset**




Note: A full description of variables is provided in the PICANet Data Definitions Manual. (Exception = 'not recorded' or 'not known').

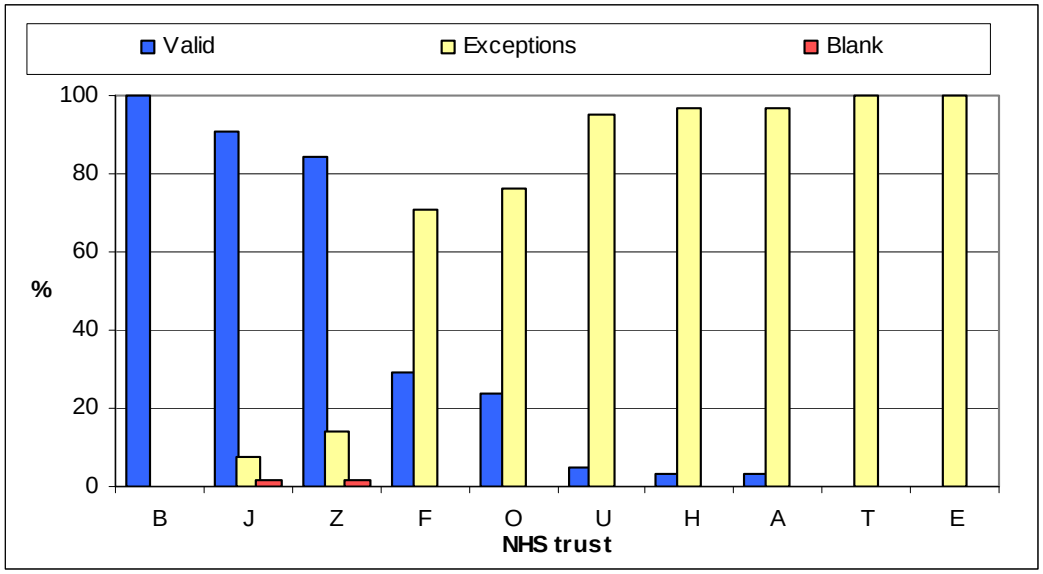
**Figure DQ1** highlights data items found to have the largest number of exception or blank values within the Pan Thames dataset. The recording levels in non-Pan Thames units are provided for comparison. A number of these data items are used in the calculation of the Paediatric Index of Mortality (PIM) 2. PICANet is investigating the impact of missing data on this risk adjustment index.

Thirty-day follow-up status is a standard, but somewhat crude, patient care outcome measure used across the NHS[viii]. The distribution of 30 day follow-up data collection across Pan Thames units is detailed in **Figure DQ2** below. In PICANet as a whole, the 30 day follow-up data is 99% complete; however, 49% of this data is recorded as 'not known'. A closer inspection of the recording levels of this variable within non-Pan Thames units and Pan Thames units shows that 30% and 83% of admissions respectively do not have this data.

[viii] http://www.performance.doh.gov.uk/nhsperformanceindicators/hlpi2000/c1150s.html

## Figure DQ2 Data completeness for 30-day follow-up information




## Table DQ2 Data completeness by year (all variables)

| Year | Month | Eligible | Completion | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Complete | | | | | | Incomplete | | | | | |
| | | | Valid | | Exceptions | | Total | | Invalid | | Blank | | Total | |
| | | | n | % | n | % | n | % | n | % | n | % | n | % |
| **2005** | **1** | **21332** | 19873 | (93.2) | 1232 | (5.8) | **21105** | **(98.9)** | 0 | (0.0) | 227 | (1.1) | **227** | **(1.1)** |
| | **2** | **17878** | 16648 | (93.1) | 1073 | (6.0) | **17721** | **(99.1)** | 0 | (0.0) | 157 | (0.9) | **157** | **(0.9)** |
| | **3** | **20513** | 19070 | (93.0) | 1275 | (6.2) | **20345** | **(99.2)** | 0 | (0.0) | 168 | (0.8) | **168** | **(0.8)** |
| | **4** | **18791** | 17507 | (93.2) | 1122 | (6.0) | **18629** | **(99.1)** | 0 | (0.0) | 162 | (0.9) | **162** | **(0.9)** |
| | **5** | **19396** | 18101 | (93.3) | 1167 | (6.0) | **19268** | **(99.3)** | 0 | (0.0) | 128 | (0.7) | **128** | **(0.7)** |
| | **6** | **21030** | 19691 | (93.6) | 1184 | (5.6) | **20875** | **(99.3)** | 1 | (0.0) | 154 | (0.7) | **155** | **(0.7)** |
| | **7** | **23474** | 21957 | (93.5) | 1332 | (5.7) | **23289** | **(99.2)** | 0 | (0.0) | 185 | (0.8) | **185** | **(0.8)** |
| | **8** | **19860** | 18604 | (93.7) | 1099 | (5.5) | **19703** | **(99.2)** | 0 | (0.0) | 157 | (0.8) | **157** | **(0.8)** |
| | **9** | **19171** | 17970 | (93.7) | 1062 | (5.5) | **19032** | **(99.3)** | 0 | (0.0) | 139 | (0.7) | **139** | **(0.7)** |
| | **10** | **20141** | 18968 | (94.2) | 1040 | (5.2) | **20008** | **(99.3)** | 0 | (0.0) | 133 | (0.7) | **133** | **(0.7)** |
| | **11** | **22634** | 21401 | (94.6) | 1085 | (4.8) | **22486** | **(99.3)** | 0 | (0.0) | 148 | (0.7) | **148** | **(0.7)** |
| | **12** | **23058** | 21802 | (94.6) | 1125 | (4.9) | **22927** | **(99.4)** | 1 | (0.0) | 130 | (0.6) | **131** | **(0.6)** |
| **2005 Total** | | **247278** | **231592** | **(93.7)** | **13796** | **(5.6)** | **245388** | **(99.2)** | **2** | **(0.0)** | **1888** | **(0.8)** | **1890** | **(0.8)** |
| **2006** | **1** | **21953** | 20940 | (95.4) | 915 | (4.2) | **21855** | **(99.6)** | 0 | (0.0) | 98 | (0.4) | **98** | **(0.4)** |
| | **2** | **21431** | 20406 | (95.2) | 938 | (4.4) | **21344** | **(99.6)** | 1 | (0.0) | 86 | (0.4) | **87** | **(0.4)** |
| | **3** | **21888** | 20880 | (95.4) | 914 | (4.2) | **21794** | **(99.6)** | 4 | (0.0) | 90 | (0.4) | **94** | **(0.4)** |
| | **4** | **19929** | 18978 | (95.2) | 835 | (4.2) | **19813** | **(99.4)** | 2 | (0.0) | 114 | (0.6) | **116** | **(0.6)** |
| | **5** | **22062** | 21004 | (95.2) | 946 | (4.3) | **21950** | **(99.5)** | 2 | (0.0) | 110 | (0.5) | **112** | **(0.5)** |
| | **6** | **20530** | 19520 | (95.1) | 900 | (4.4) | **20420** | **(99.5)** | 0 | (0.0) | 110 | (0.5) | **110** | **(0.5)** |
| | **7** | **21330** | 20304 | (95.2) | 916 | (4.3) | **21220** | **(99.5)** | 0 | (0.0) | 110 | (0.5) | **110** | **(0.5)** |
| | **8** | **20948** | 19948 | (95.2) | 890 | (4.2) | **20838** | **(99.5)** | 0 | (0.0) | 110 | (0.5) | **110** | **(0.5)** |
| | **9** | **20907** | 19908 | (95.2) | 880 | (4.2) | **20788** | **(99.4)** | 2 | (0.0) | 117 | (0.6) | **119** | **(0.6)** |
| | **10** | **21208** | 20118 | (94.9) | 979 | (4.6) | **21097** | **(99.5)** | 3 | (0.0) | 108 | (0.5) | **111** | **(0.5)** |
| | **11** | **22099** | 21006 | (95.1) | 963 | (4.4) | **21969** | **(99.4)** | 0 | (0.0) | 130 | (0.6) | **130** | **(0.6)** |
| | **12** | **21872** | 20689 | (94.6) | 1052 | (4.8) | **21741** | **(99.4)** | 0 | (0.0) | 131 | (0.6) | **131** | **(0.6)** |
| **2006 Total** | | **256157** | **243701** | **(95.1)** | **11128** | **(4.3)** | **254829** | **(99.5)** | **14** | **(0.0)** | **1314** | **(0.5)** | **1328** | **(0.5)** |
| **2007** | **1** | **22189** | 21142 | (95.3) | 960 | (4.3) | **22102** | **(99.6)** | 0 | (0.0) | 87 | (0.4) | **87** | **(0.4)** |
| | **2** | **19480** | 18494 | (94.9) | 901 | (4.6) | **19395** | **(99.6)** | 3 | (0.0) | 82 | (0.4) | **85** | **(0.4)** |
| | **3** | **22836** | 21701 | (95.0) | 1047 | (4.6) | **22748** | **(99.6)** | 3 | (0.0) | 85 | (0.4) | **88** | **(0.4)** |
| | **4** | **21989** | 20938 | (95.2) | 960 | (4.4) | **21898** | **(99.6)** | 3 | (0.0) | 88 | (0.4) | **91** | **(0.4)** |
| | **5** | **23480** | 22326 | (95.1) | 1045 | (4.5) | **23371** | **(99.5)** | 4 | (0.0) | 105 | (0.4) | **109** | **(0.5)** |
| | **6** | **22015** | 20989 | (95.3) | 924 | (4.2) | **21913** | **(99.5)** | 1 | (0.0) | 101 | (0.5) | **102** | **(0.5)** |
| | **7** | **22709** | 21655 | (95.4) | 944 | (4.2) | **22599** | **(99.5)** | 2 | (0.0) | 108 | (0.5) | **110** | **(0.5)** |
| | **8** | **19440** | 18480 | (95.1) | 869 | (4.5) | **19349** | **(99.5)** | 4 | (0.0) | 87 | (0.4) | **91** | **(0.5)** |
| | **9** | **20910** | 19811 | (94.7) | 973 | (4.7) | **20784** | **(99.4)** | 1 | (0.0) | 125 | (0.6) | **126** | **(0.6)** |
| | **10** | **23567** | 22469 | (95.3) | 987 | (4.2) | **23456** | **(99.5)** | 1 | (0.0) | 110 | (0.5) | **111** | **(0.5)** |
| | **11** | **24290** | 23098 | (95.1) | 1062 | (4.4) | **24160** | **(99.5)** | 5 | (0.0) | 125 | (0.5) | **130** | **(0.5)** |
| | **12** | **21985** | 20861 | (94.9) | 1001 | (4.6) | **21862** | **(99.4)** | 2 | (0.0) | 121 | (0.6) | **123** | **(0.6)** |
| **2007 Total** | | **264890** | **251964** | **(95.1)** | **11673** | **(4.4)** | **263637** | **(99.5)** | **29** | **(0.0)** | **1224** | **(0.5)** | **1253** | **(0.5)** |
| **Total** | | **768325** | **727257** | **(94.7)** | **36597** | **(4.8)** | **763854** | **(99.4)** | **45** | **(0.0)** | **4426** | **(0.6)** | **4471** | **(0.6)** |

### Table DQ3 Data completeness by PICU for 3 year period

| PICU | Eligible | Complete | | | | | | Incomplete | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Valid | | Exceptions | | Total | | Invalid | | Blank | | Total | |
| | | n | % | n | % | n | % | n | % | n | % | n | % |
| **F** | **165671** | 156901 | (94.7) | 7660 | (4.6) | **164561** | **(99.3)** | 45 | (0.0) | 1065 | (0.6) | **1110** | **(0.7)** |
| **A** | **64777** | 59049 | (91.2) | 5590 | (8.6) | **64639** | **(99.8)** | 0 | (0.0) | 138 | (0.2) | **138** | **(0.2)** |
| **H** | **46287** | 42719 | (92.3) | 2971 | (6.4) | **45690** | **(98.7)** | 0 | (0.0) | 597 | (1.3) | **597** | **(1.3)** |
| **Z** | **16984** | 16057 | (94.5) | 904 | (5.3) | **16961** | **(99.9)** | 0 | (0.0) | 23 | (0.1) | **23** | **(0.1)** |
| **O** | **94258** | 88901 | (94.3) | 4757 | (5.0) | **93658** | **(99.4)** | 0 | (0.0) | 600 | (0.6) | **600** | **(0.6)** |
| **J** | **13709** | 12929 | (94.3) | 589 | (4.3) | **13518** | **(98.6)** | 0 | (0.0) | 191 | (1.4) | **191** | **(1.4)** |
| **B** | **29357** | 28307 | (96.4) | 980 | (3.3) | **29287** | **(99.8)** | 0 | (0.0) | 70 | (0.2) | **70** | **(0.2)** |
| **E** | **221383** | 213428 | (96.4) | 7008 | (3.2) | **220436** | **(99.6)** | 0 | (0.0) | 947 | (0.4) | **947** | **(0.4)** |
| **T** | **59201** | 55461 | (93.7) | 3362 | (5.7) | **58823** | **(99.4)** | 0 | (0.0) | 378 | (0.6) | **378** | **(0.6)** |
| **U** | **56698** | 53505 | (94.4) | 2776 | (4.9) | **56281** | **(99.3)** | 0 | (0.0) | 417 | (0.7) | **417** | **(0.7)** |
| **Total** | **768325** | **727257** | **(94.7)** | **36597** | **(4.8)** | **763854** | **(99.4)** | **45** | **(0.0)** | **4426** | **(0.6)** | **4471** | **(0.6)** |

The **NHS Number** is a unique patient identifier that provides a common link between patient records across the NHS. The number can be used by trust Patient Administration Systems (PAS) or Patient Information Systems to easily and reliably link to the PICANet dataset.

The distribution of NHS Number recording within the PICANet database for Pan Thames units is detailed in **Table DQ4** and in **Figure DQ3** below. Although 20.4% of patients within PICANet as a whole do not have NHS Numbers, 10 units around the country have almost 100% NHS Number recording. This shows the complete recording of this data is possible.

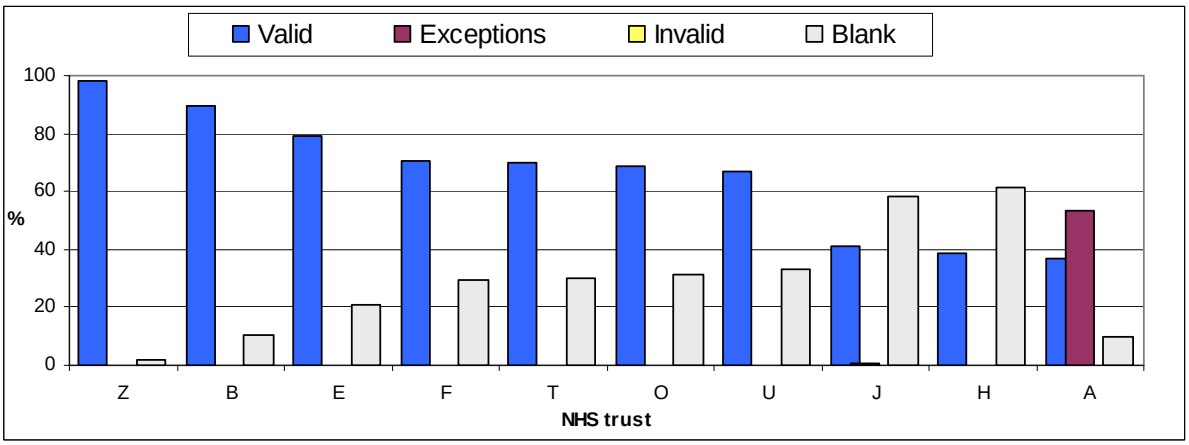
31.5% of Pan Thames PICU admissions do not have an NHS Number; the respective figure for non-Pan Thames units is only 14.0%. Although there has been a 10% increase in NHS Number recording in the region since the last Pan Thames report, several units in this region continue to have low NHS Number recording in the PICANet database as a whole.

### Table DQ4 Data completeness for NHS Number by NHS trust

| NHS trust | Eligible | Valid | | Exceptions | | Invalid | | Blank | |
|---|---|---|---|---|---|---|---|---|---|
| | | n | % | n | % | n | % | n | % |
| **E** | 4580 | 3633 | (79.3) | 0 | (0.0) | 0 | (0.0) | 947 | (20.7) |
| **O** | 1914 | 1318 | (68.9) | 0 | (0.0) | 0 | (0.0) | 596 | (31.1) |
| **U** | 1149 | 768 | (66.8) | 0 | (0.0) | 0 | (0.0) | 381 | (33.2) |
| **F** | 3440 | 2418 | (70.3) | 0 | (0.0) | 0 | (0.0) | 1022 | (29.7) |
| **B** | 644 | 576 | (89.4) | 0 | (0.0) | 0 | (0.0) | 68 | (10.6) |
| **H** | 966 | 373 | (38.6) | 0 | (0.0) | 0 | (0.0) | 593 | (61.4) |
| **J** | 291 | 119 | (40.9) | 2 | (0.7) | 0 | (0.0) | 170 | (58.4) |
| **Z** | 364 | 358 | (98.4) | 0 | (0.0) | 0 | (0.0) | 6 | (1.6) |
| **T** | 1270 | 892 | (70.2) | 0 | (0.0) | 0 | (0.0) | 378 | (29.8) |
| **A** | 1403 | 513 | (36.6) | 753 | (53.7) | 0 | (0.0) | 137 | (9.8) |
| **Total** | **16021** | **10968** | **(68.5)** | **755** | **(4.7)** | **0** | **(0.0)** | **4298** | **(26.8)** |

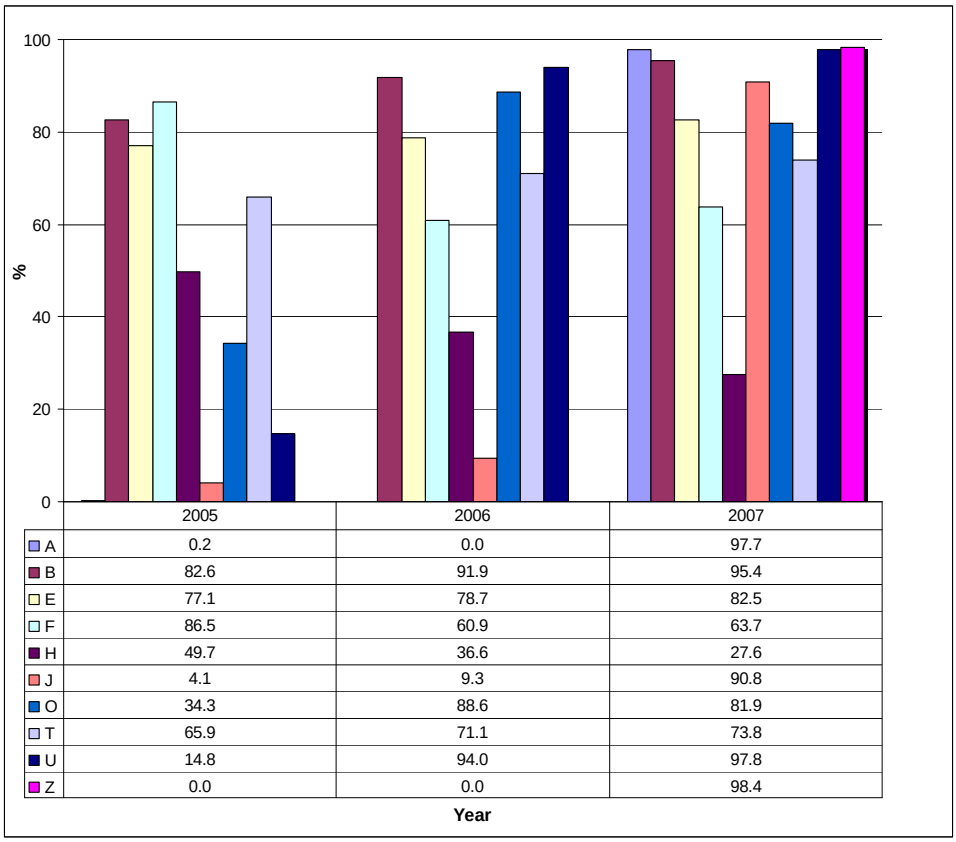
 

**Figure DQ3 Data completeness for NHS Number**




Although overall proportion of Pan Thames admissions have low level NHS Number collection, closer inspection of recording patterns shows that recent year's data collection is much higher (figure DQ 4). In 2005 only 2/9 units (22%) had NHS Number recording levels of 80% and over. In 2006 this increased to 3/9 units (33%). During 2007, 7 /10 units (70%) have achieved the target set last year of 80%+ NHS Number recording. One unit however is performing particularly poorly in achieving the set targets.

**Figure DQ4 Percentage collection of valid NHS Number collection by year by PICU**




| | 2005 | 2006 | 2007 |
|---|---|---|---|
| A | 0.2 | 0.0 | 97.7 |
| B | 82.6 | 91.9 | 95.4 |
| E | 77.1 | 78.7 | 82.5 |
| F | 86.5 | 60.9 | 63.7 |
| H | 49.7 | 36.6 | 27.6 |
| J | 4.1 | 9.3 | 90.8 |
| O | 34.3 | 88.6 | 81.9 |
| T | 65.9 | 71.1 | 73.8 |
| U | 14.8 | 94.0 | 97.8 |
| Z | 0.0 | 0.0 | 98.4 |

In the absence of the NHS Number, it is difficult to definitively link patients with external datasets such as death registrations. PICANet is acquiring a set of hospital admissions data on PICANet patients from the Hospital Episode Statistics data. The linkage between PICANet and HES data is dependent on the presence of an NHS number. Without this

number, assessment of long-term follow-up and outcomes will also be difficult and the potential uses of the PICANet data for a variety of linkage studies will be reduced. In addition, in the absence of the NHS Number, patient follow-up in Pan Thames will be poorer than outside the region and so likely to impair the regions ability to provide effective care.

Over the coming year, paediatric intensive care units will be implementing the collection of the Paediatric Critical Care Minimum Dataset (PCCMDS). In Pan Thames, many units will rely heavily on their local Patient Administration Systems / Patient Information Systems to collect this data (please refer to Chapter 18). In order for data linkage between the PICANet dataset and the PCCMDS to be effective, NHS Number recording will be crucial.

With the introduction of the PCCMDS a range of new variables are being collected for commissioning purposed. One variable of significance introduced into the data set is General Practice Code (GP Code). It is a 6 character code assigned to General Practices. This data is available via your local Patient Administration System (PAS) or Patient Information Management System (PIM). GP Practice Code will be of particular importance for accurate commissioning in the future and as a result future Pan Thames reports will report on its recording levels.

Good quality data is crucial for PICANet's continued success. Standards for measuring data quality will have to change as the uses to which the data are put change. The guiding definition for data quality within PICANet remains 'fitness for purpose'.

In closing, huge improvements in data quality have been achieved during recent years. Where there remains a need for improvements in data quality (i.e. 30 day follow-up) Pan Thames should aim to be at least on par with national standards of data collection in PICANet.

## 17 USES AND DISSEMINATION OF PICANET DATA AND PAN THAMES WORKSTREAM RESULTS

Details of information requested from PICANet by Pan Thames collaborators are listed in Appendix D
The procedure for accessing PICANet data is described in the PICANet National Report 2004-2006

Details of presentations and publications are detailed in Appendix K

## 18 TABLES AND FIGURES

**Table 1 Admissions by age and sex, 2005 - 2007**

| Age (Years) | Sex | | | | | | | | Total | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Male | | Female | | Ambiguous | | Unknown | | | |
| | n | % | n | % | n | % | n | % | n | % |
| **0** | 4,519 | (59) | 3,161 | (41) | 3 | (0) | 13 | (0) | **7,696** | **(48.8)** |
| **1** | 995 | (54) | 838 | (46) | 2 | (0) | 3 | (0) | **1,838** | **(11.6)** |
| **2** | 547 | (55) | 448 | (45) | 0 | (0) | 2 | (0) | **997** | **(6.3)** |
| **3** | 446 | (57) | 333 | (43) | 0 | (0) | 1 | (0) | **780** | **(4.9)** |
| **4** | 317 | (58) | 230 | (42) | 0 | (0) | 0 | (0) | **547** | **(3.5)** |
| **5** | 247 | (55) | 201 | (45) | 0 | (0) | 1 | (0) | **449** | **(2.8)** |
| **6** | 190 | (53) | 168 | (47) | 0 | (0) | 1 | (0) | **359** | **(2.3)** |
| **7** | 193 | (54) | 164 | (46) | 0 | (0) | 0 | (0) | **357** | **(2.3)** |
| **8** | 149 | (55) | 119 | (44) | 1 | (0) | 0 | (0) | **269** | **(1.7)** |
| **9** | 192 | (59) | 134 | (41) | 0 | (0) | 0 | (0) | **326** | **(2.1)** |
| **10** | 169 | (51) | 164 | (49) | 0 | (0) | 0 | (0) | **333** | **(2.1)** |
| **11** | 144 | (51) | 136 | (49) | 0 | (0) | 0 | (0) | **280** | **(1.8)** |
| **12** | 180 | (52) | 169 | (48) | 0 | (0) | 0 | (0) | **349** | **(2.2)** |
| **13** | 200 | (54) | 172 | (46) | 0 | (0) | 1 | (0) | **373** | **(2.4)** |
| **14** | 234 | (54) | 201 | (46) | 0 | (0) | 0 | (0) | **435** | **(2.8)** |
| **15** | 195 | (49) | 203 | (51) | 0 | (0) | 0 | (0) | **398** | **(2.5)** |
| **Total** | **8,917** | **(56.5)** | **6,841** | **(43.3)** | **6** | **(0.0)** | **22** | **(0.1)** | **15,786** | |

**Figure 1 Admissions by age and sex, 2005 - 2007**

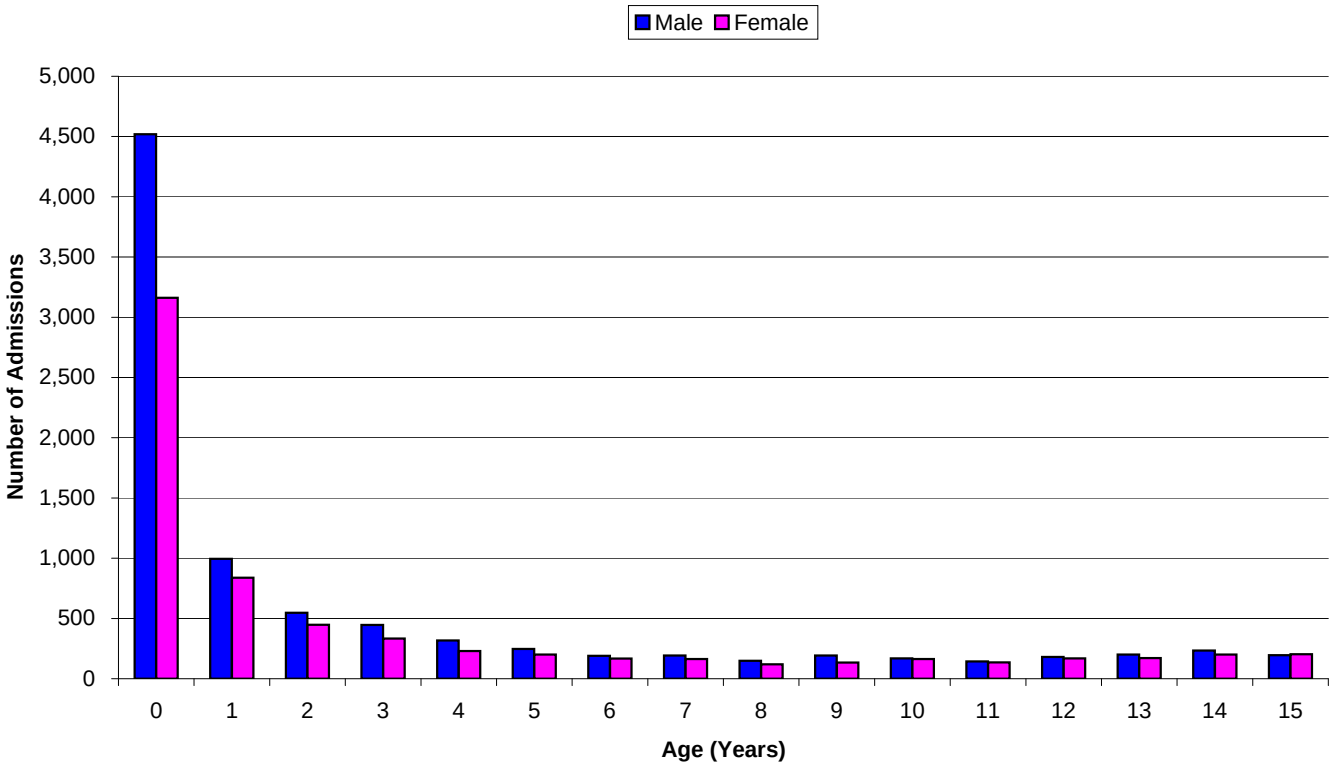


**Table 2 Admissions by age (<1) and sex, 2005 - 2007**

| Age (Months) | Sex | | | | | | | | Total | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Male | | Female | | Ambiguous | | Unknown | | | |
| | n | % | n | % | n | % | n | % | n | % |
| **0** | 1,586 | (59) | 1,087 | (41) | 2 | (0) | 4 | (0) | **2,679** | **(34.8)** |
| **1** | 666 | (63) | 388 | (37) | 0 | (0) | 0 | (0) | **1,054** | **(13.7)** |
| **2** | 387 | (55) | 320 | (45) | 0 | (0) | 1 | (0) | **708** | **(9.2)** |
| **3** | 317 | (55) | 253 | (44) | 0 | (0) | 2 | (0) | **572** | **(7.4)** |
| **4** | 299 | (61) | 192 | (39) | 0 | (0) | 1 | (0) | **492** | **(6.4)** |
| **5** | 278 | (61) | 175 | (39) | 1 | (0) | 0 | (0) | **454** | **(5.9)** |
| **6** | 196 | (55) | 161 | (45) | 0 | (0) | 0 | (0) | **357** | **(4.6)** |
| **7** | 178 | (56) | 142 | (44) | 0 | (0) | 0 | (0) | **320** | **(4.2)** |
| **8** | 158 | (58) | 114 | (42) | 0 | (0) | 1 | (0) | **273** | **(3.5)** |
| **9** | 173 | (58) | 122 | (41) | 0 | (0) | 1 | (0) | **296** | **(3.8)** |
| **10** | 144 | (55) | 117 | (45) | 0 | (0) | 1 | (0) | **262** | **(3.4)** |
| **11** | 137 | (60) | 90 | (39) | 0 | (0) | 2 | (1) | **229** | **(3.0)** |
| **Total** | **4,519** | **(58.7)** | **3,161** | **(41.1)** | **3** | **(0.0)** | **13** | **(0.2)** | **7,696** | |

**Figure 2 Admissions by age (<1) and sex, 2005 - 2007**

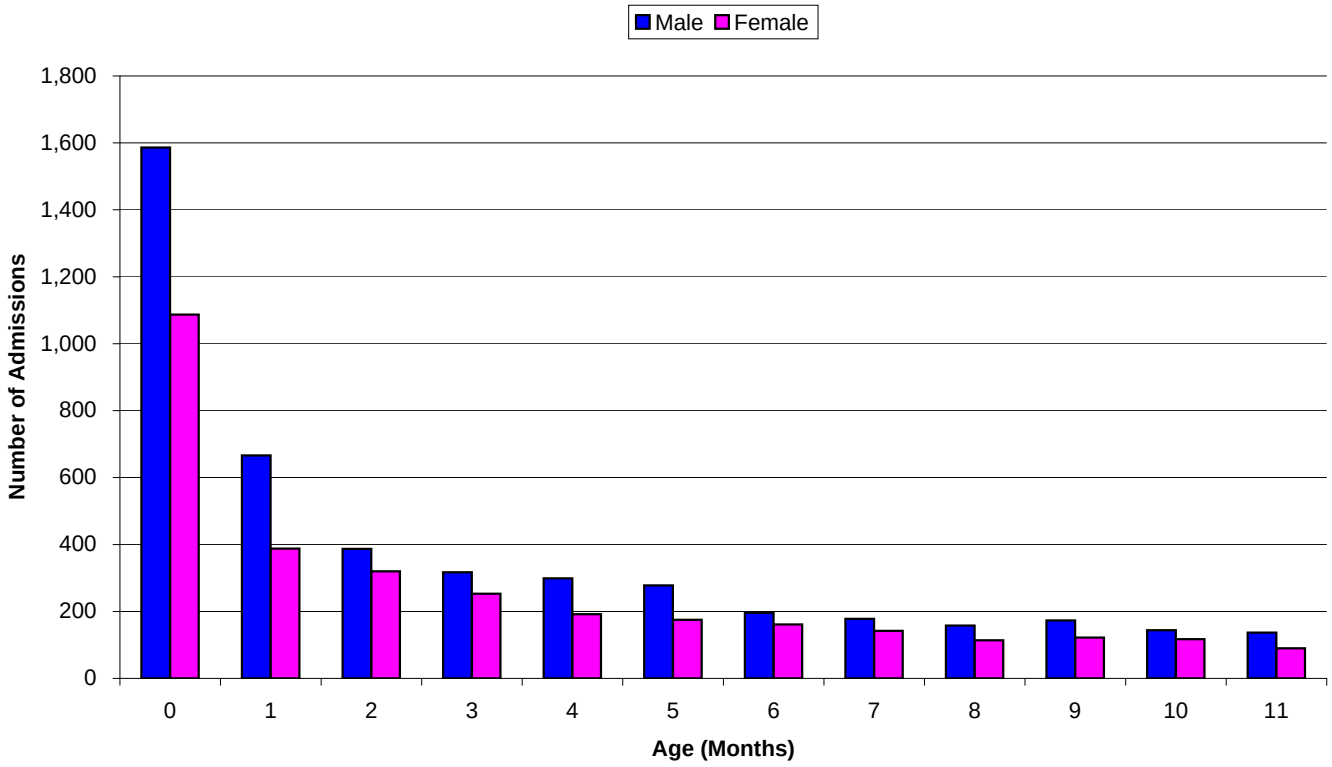


**Table 3 Admissions by age by NHS trust, 2005 - 2007**

| Year | NHS Trust | Age Group (Years) <1 n | <1 % | 1-4 n | 1-4 % | 5-10 n | 5-10 % | 11-15 n | 11-15 % | Total n | Total % |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **2005** | **A** | 138 | (33) | 99 | (24) | 111 | (26) | 72 | (17) | **420** | **(8.1)** |
| | **B** | 107 | (46) | 64 | (28) | 27 | (12) | 34 | (15) | **232** | **(4.5)** |
| | **E** | 833 | (55) | 333 | (22) | 194 | (13) | 155 | (10) | **1,515** | **(29.3)** |
| | **F** | 655 | (58) | 273 | (24) | 107 | (10) | 88 | (8) | **1,123** | **(21.7)** |
| | **H** | 114 | (33) | 113 | (33) | 56 | (16) | 64 | (18) | **347** | **(6.7)** |
| | **J** | 48 | (50) | 24 | (25) | 13 | (14) | 11 | (11) | **96** | **(1.9)** |
| | **O** | 363 | (59) | 139 | (23) | 71 | (12) | 40 | (7) | **613** | **(11.9)** |
| | **T** | 105 | (25) | 157 | (38) | 89 | (22) | 62 | (15) | **413** | **(8.0)** |
| | **U** | 160 | (39) | 146 | (36) | 71 | (17) | 31 | (8) | **408** | **(7.9)** |
| **2005 Total** | | **2,523** | **(48.8)** | **1,348** | **(26.1)** | **739** | **(14.3)** | **557** | **(10.8)** | **5,167** | |
| **2006** | **A** | 166 | (37) | 103 | (23) | 94 | (21) | 86 | (19) | **449** | **(8.6)** |
| | **B** | 81 | (36) | 57 | (25) | 31 | (14) | 57 | (25) | **226** | **(4.3)** |
| | **E** | 911 | (57) | 360 | (23) | 174 | (11) | 154 | (10) | **1,599** | **(30.7)** |
| | **F** | 585 | (54) | 286 | (26) | 96 | (9) | 120 | (11) | **1,087** | **(20.8)** |
| | **H** | 100 | (32) | 117 | (37) | 52 | (17) | 46 | (15) | **315** | **(6.0)** |
| | **J** | 41 | (55) | 21 | (28) | 6 | (8) | 6 | (8) | **74** | **(1.4)** |
| | **O** | 388 | (59) | 150 | (23) | 73 | (11) | 45 | (7) | **656** | **(12.6)** |
| | **T** | 140 | (32) | 149 | (34) | 96 | (22) | 57 | (13) | **442** | **(8.5)** |
| | **U** | 137 | (37) | 141 | (38) | 57 | (16) | 32 | (9) | **367** | **(7.0)** |
| **2006 Total** | | **2,549** | **(48.9)** | **1,384** | **(26.5)** | **679** | **(13.0)** | **603** | **(11.6)** | **5,215** | |
| **2007** | **A** | 190 | (37) | 116 | (23) | 89 | (17) | 117 | (23) | **512** | **(9.5)** |
| | **B** | 67 | (39) | 55 | (32) | 26 | (15) | 23 | (13) | **171** | **(3.2)** |
| | **E** | 772 | (56) | 314 | (23) | 147 | (11) | 150 | (11) | **1,383** | **(25.6)** |
| | **F** | 660 | (56) | 282 | (24) | 122 | (10) | 116 | (10) | **1,180** | **(21.8)** |
| | **H** | 113 | (39) | 94 | (32) | 45 | (15) | 40 | (14) | **292** | **(5.4)** |
| | **J** | 68 | (57) | 30 | (25) | 12 | (10) | 9 | (8) | **119** | **(2.2)** |
| | **O** | 390 | (61) | 148 | (23) | 55 | (9) | 45 | (7) | **638** | **(11.8)** |
| | **T** | 111 | (29) | 137 | (36) | 67 | (17) | 70 | (18) | **385** | **(7.1)** |
| | **U** | 153 | (42) | 121 | (33) | 51 | (14) | 42 | (11) | **367** | **(6.8)** |
| | **Z** | 100 | (28) | 133 | (37) | 61 | (17) | 63 | (18) | **357** | **(6.6)** |
| **2007 Total** | | **2,624** | **(48.6)** | **1,430** | **(26.5)** | **675** | **(12.5)** | **675** | **(12.5)** | **5,404** | |
| **Grand Total** | | **7,696** | **(48.8)** | **4,162** | **(26.4)** | **2,093** | **(13.3)** | **1,835** | **(11.6)** | **15,786** | |

**Table 4 Admissions by age (<1) by NHS trust, 2005 - 2007**

| Year | NHS Trust | Age Group (Months) <1 n | <1 % | 1-2 n | 1-2 % | 3-5 n | 3-5 % | 6-11 n | 6-11 % | Total n | Total % |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **2005** | **A** | 30 | (22) | 41 | (30) | 33 | (24) | 34 | (25) | **138** | **(5.5)** |
| | **B** | 22 | (21) | 32 | (30) | 30 | (28) | 23 | (21) | **107** | **(4.2)** |
| | **E** | 334 | (40) | 175 | (21) | 158 | (19) | 166 | (20) | **833** | **(33.0)** |
| | **F** | 269 | (41) | 152 | (23) | 107 | (16) | 127 | (19) | **655** | **(26.0)** |
| | **H** | 22 | (19) | 22 | (19) | 29 | (25) | 41 | (36) | **114** | **(4.5)** |
| | **J** | 9 | (19) | 13 | (27) | 13 | (27) | 13 | (27) | **48** | **(1.9)** |
| | **O** | 152 | (42) | 72 | (20) | 74 | (20) | 65 | (18) | **363** | **(14.4)** |
| | **T** | 23 | (22) | 25 | (24) | 20 | (19) | 37 | (35) | **105** | **(4.2)** |
| | **U** | 35 | (22) | 36 | (23) | 37 | (23) | 52 | (33) | **160** | **(6.3)** |
| **2005 Total** | | **896** | **(35.5)** | **568** | **(22.5)** | **501** | **(19.9)** | **558** | **(22.1)** | **2,523** | |
| **2006** | **A** | 43 | (26) | 43 | (26) | 26 | (16) | 54 | (33) | **166** | **(6.5)** |
| | **B** | 17 | (21) | 28 | (35) | 19 | (23) | 17 | (21) | **81** | **(3.2)** |
| | **E** | 388 | (43) | 193 | (21) | 154 | (17) | 176 | (19) | **911** | **(35.7)** |
| | **F** | 247 | (42) | 121 | (21) | 91 | (16) | 126 | (22) | **585** | **(23.0)** |
| | **H** | 20 | (20) | 20 | (20) | 22 | (22) | 38 | (38) | **100** | **(3.9)** |
| | **J** | 8 | (20) | 13 | (32) | 10 | (24) | 10 | (24) | **41** | **(1.6)** |
| | **O** | 157 | (40) | 78 | (20) | 74 | (19) | 79 | (20) | **388** | **(15.2)** |
| | **T** | 16 | (11) | 40 | (29) | 38 | (27) | 46 | (33) | **140** | **(5.5)** |
| | **U** | 28 | (20) | 35 | (26) | 25 | (18) | 49 | (36) | **137** | **(5.4)** |
| **2006 Total** | | **924** | **(36.2)** | **571** | **(22.4)** | **459** | **(18.0)** | **595** | **(23.3)** | **2,549** | |
| **2007** | **A** | 47 | (25) | 59 | (31) | 34 | (18) | 50 | (26) | **190** | **(7.2)** |
| | **B** | 14 | (21) | 22 | (33) | 12 | (18) | 19 | (28) | **67** | **(2.6)** |
| | **E** | 297 | (38) | 164 | (21) | 166 | (22) | 145 | (19) | **772** | **(29.4)** |
| | **F** | 261 | (40) | 136 | (21) | 130 | (20) | 133 | (20) | **660** | **(25.2)** |
| | **H** | 19 | (17) | 28 | (25) | 18 | (16) | 48 | (42) | **113** | **(4.3)** |
| | **J** | 21 | (31) | 20 | (29) | 15 | (22) | 12 | (18) | **68** | **(2.6)** |
| | **O** | 140 | (36) | 97 | (25) | 87 | (22) | 66 | (17) | **390** | **(14.9)** |
| | **T** | 21 | (19) | 25 | (23) | 28 | (25) | 37 | (33) | **111** | **(4.2)** |
| | **U** | 21 | (14) | 47 | (31) | 37 | (24) | 48 | (31) | **153** | **(5.8)** |
| | **Z** | 18 | (18) | 25 | (25) | 31 | (31) | 26 | (26) | **100** | **(3.8)** |
| **2007 Total** | | **859** | **(32.7)** | **623** | **(23.7)** | **558** | **(21.3)** | **584** | **(22.3)** | **2,624** | |
| **Grand Total** | | **2,679** | **(34.8)** | **1,762** | **(22.9)** | **1,518** | **(19.7)** | **1,737** | **(22.6)** | **7,696** | |

**Table 5 Admissions by age (16+) by NHS trust, 2005 - 2007**

| Year | NHS Trust | Age Group (Years) 16 n | 16 % | 17-20 n | 17-20 % | 21-25 n | 21-25 % | 26+ n | 26+ % | Total n | Total % |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **2005** | **A** | 4 | (80) | 1 | (20) | 0 | (0) | 0 | (0) | **5** | **(7.7)** |
| | **B** | 1 | (33) | 2 | (67) | 0 | (0) | 0 | (0) | **3** | **(4.6)** |
| | **E** | 23 | (74) | 7 | (23) | 0 | (0) | 1 | (3) | **31** | **(47.7)** |
| | **F** | 5 | (56) | 3 | (33) | 0 | (0) | 1 | (11) | **9** | **(13.8)** |
| | **H** | 2 | (67) | 1 | (33) | 0 | (0) | 0 | (0) | **3** | **(4.6)** |
| | **J** | 1 | (100) | 0 | (0) | 0 | (0) | 0 | (0) | **1** | **(1.5)** |
| | **O** | 2 | (67) | 1 | (33) | 0 | (0) | 0 | (0) | **3** | **(4.6)** |
| | **T** | 4 | (67) | 2 | (33) | 0 | (0) | 0 | (0) | **6** | **(9.2)** |
| | **U** | 2 | (50) | 2 | (50) | 0 | (0) | 0 | (0) | **4** | **(6.2)** |
| **2005 Total** | | **44** | **(67.7)** | **19** | **(29.2)** | **0** | **(0.0)** | **2** | **(3.1)** | **65** | |
| **2006** | **A** | 5 | (100) | 0 | (0) | 0 | (0) | 0 | (0) | **5** | **(6.7)** |
| | **B** | 4 | (50) | 4 | (50) | 0 | (0) | 0 | (0) | **8** | **(10.7)** |
| | **E** | 18 | (60) | 12 | (40) | 0 | (0) | 0 | (0) | **30** | **(40.0)** |
| | **F** | 10 | (71) | 4 | (29) | 0 | (0) | 0 | (0) | **14** | **(18.7)** |
| | **H** | 5 | (71) | 2 | (29) | 0 | (0) | 0 | (0) | **7** | **(9.3)** |
| | **J** | 0 | (0) | 1 | (100) | 0 | (0) | 0 | (0) | **1** | **(1.3)** |
| | **T** | 6 | (75) | 2 | (25) | 0 | (0) | 0 | (0) | **8** | **(10.7)** |
| | **U** | 1 | (50) | 1 | (50) | 0 | (0) | 0 | (0) | **2** | **(2.7)** |
| **2006 Total** | | **49** | **(65.3)** | **26** | **(34.7)** | **0** | **(0.0)** | **0** | **(0.0)** | **75** | |
| **2007** | **A** | 8 | (67) | 4 | (33) | 0 | (0) | 0 | (0) | **12** | **(12.6)** |
| | **B** | 1 | (25) | 3 | (75) | 0 | (0) | 0 | (0) | **4** | **(4.2)** |
| | **E** | 11 | (50) | 11 | (50) | 0 | (0) | 0 | (0) | **22** | **(23.2)** |
| | **F** | 16 | (59) | 11 | (41) | 0 | (0) | 0 | (0) | **27** | **(28.4)** |
| | **H** | 1 | (50) | 1 | (50) | 0 | (0) | 0 | (0) | **2** | **(2.1)** |
| | **O** | 4 | (100) | 0 | (0) | 0 | (0) | 0 | (0) | **4** | **(4.2)** |
| | **T** | 12 | (75) | 4 | (25) | 0 | (0) | 0 | (0) | **16** | **(16.8)** |
| | **U** | 1 | (100) | 0 | (0) | 0 | (0) | 0 | (0) | **1** | **(1.1)** |
| | **Z** | 3 | (43) | 4 | (57) | 0 | (0) | 0 | (0) | **7** | **(7.4)** |
| **2007 Total** | | **57** | **(60.0)** | **38** | **(40.0)** | **0** | **(0.0)** | **0** | **(0.0)** | **95** | |
| **Grand Total** | | **150** | **(63.8)** | **83** | **(35.3)** | **0** | **(0.0)** | **2** | **(0.9)** | **235** | |

**Table 6 Admissions by month and age, 2005 - 2007**

| Year | Month | Age Group (Years) <1 n | % | 1-4 n | % | 5-10 n | % | 11-15 n | % | Total n | % |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **2005** | **1** | 248 | (53) | 113 | (24) | 65 | (14) | 45 | (10) | **471** | **(9.1)** |
| | **2** | 184 | (46) | 132 | (33) | 44 | (11) | 36 | (9) | **396** | **(7.7)** |
| | **3** | 210 | (46) | 126 | (28) | 71 | (16) | 46 | (10) | **453** | **(8.8)** |
| | **4** | 207 | (50) | 104 | (25) | 59 | (14) | 42 | (10) | **412** | **(8.0)** |
| | **5** | 192 | (48) | 102 | (26) | 70 | (18) | 34 | (9) | **398** | **(7.7)** |
| | **6** | 206 | (48) | 98 | (23) | 63 | (15) | 59 | (14) | **426** | **(8.2)** |
| | **7** | 222 | (47) | 120 | (26) | 76 | (16) | 52 | (11) | **470** | **(9.1)** |
| | **8** | 189 | (47) | 101 | (25) | 68 | (17) | 44 | (11) | **402** | **(7.8)** |
| | **9** | 173 | (44) | 115 | (29) | 55 | (14) | 52 | (13) | **395** | **(7.6)** |
| | **10** | 185 | (45) | 121 | (29) | 61 | (15) | 44 | (11) | **411** | **(8.0)** |
| | **11** | 234 | (51) | 110 | (24) | 69 | (15) | 50 | (11) | **463** | **(9.0)** |
| | **12** | 273 | (58) | 106 | (23) | 38 | (8) | 53 | (11) | **470** | **(9.1)** |
| **2005 Total** | | **2,523** | **(48.8)** | **1,348** | **(26.1)** | **739** | **(14.3)** | **557** | **(10.8)** | **5,167** | |
| **2006** | **1** | 232 | (52) | 111 | (25) | 56 | (13) | 44 | (10) | **443** | **(8.5)** |
| | **2** | 212 | (49) | 107 | (25) | 66 | (15) | 51 | (12) | **436** | **(8.4)** |
| | **3** | 216 | (49) | 122 | (27) | 57 | (13) | 49 | (11) | **444** | **(8.5)** |
| | **4** | 196 | (48) | 116 | (28) | 51 | (13) | 45 | (11) | **408** | **(7.8)** |
| | **5** | 214 | (48) | 136 | (30) | 50 | (11) | 48 | (11) | **448** | **(8.6)** |
| | **6** | 205 | (49) | 101 | (24) | 57 | (14) | 55 | (13) | **418** | **(8.0)** |
| | **7** | 181 | (42) | 121 | (28) | 76 | (17) | 58 | (13) | **436** | **(8.4)** |
| | **8** | 203 | (47) | 112 | (26) | 62 | (14) | 52 | (12) | **429** | **(8.2)** |
| | **9** | 206 | (48) | 110 | (26) | 55 | (13) | 54 | (13) | **425** | **(8.1)** |
| | **10** | 208 | (49) | 123 | (29) | 46 | (11) | 50 | (12) | **427** | **(8.2)** |
| | **11** | 215 | (48) | 116 | (26) | 58 | (13) | 62 | (14) | **451** | **(8.6)** |
| | **12** | 261 | (58) | 109 | (24) | 45 | (10) | 35 | (8) | **450** | **(8.6)** |
| **2006 Total** | | **2,549** | **(48.9)** | **1,384** | **(26.5)** | **679** | **(13.0)** | **603** | **(11.6)** | **5,215** | |
| **2007** | **1** | 240 | (53) | 109 | (24) | 55 | (12) | 45 | (10) | **449** | **(8.3)** |
| | **2** | 194 | (49) | 106 | (27) | 46 | (12) | 49 | (12) | **395** | **(7.3)** |
| | **3** | 211 | (45) | 141 | (30) | 65 | (14) | 53 | (11) | **470** | **(8.7)** |
| | **4** | 213 | (47) | 116 | (26) | 63 | (14) | 62 | (14) | **454** | **(8.4)** |
| | **5** | 235 | (49) | 130 | (27) | 53 | (11) | 60 | (13) | **478** | **(8.8)** |
| | **6** | 208 | (46) | 122 | (27) | 73 | (16) | 50 | (11) | **453** | **(8.4)** |
| | **7** | 212 | (46) | 110 | (24) | 68 | (15) | 67 | (15) | **457** | **(8.5)** |
| | **8** | 172 | (44) | 114 | (29) | 48 | (12) | 58 | (15) | **392** | **(7.3)** |
| | **9** | 219 | (51) | 99 | (23) | 53 | (12) | 56 | (13) | **427** | **(7.9)** |
| | **10** | 202 | (41) | 140 | (29) | 64 | (13) | 82 | (17) | **488** | **(9.0)** |
| | **11** | 261 | (53) | 134 | (27) | 47 | (9) | 55 | (11) | **497** | **(9.2)** |
| | **12** | 257 | (58) | 109 | (25) | 40 | (9) | 38 | (9) | **444** | **(8.2)** |
| **2007 Total** | | **2,624** | **(48.6)** | **1,430** | **(26.5)** | **675** | **(12.5)** | **675** | **(12.5)** | **5,404** | |
| **Grand Total** | | **7,696** | **(48.8)** | **4,162** | **(26.4)** | **2,093** | **(13.3)** | **1,835** | **(11.6)** | **15,786** | |

**Figure 6 Admissions by month and age, 2005 - 2007**

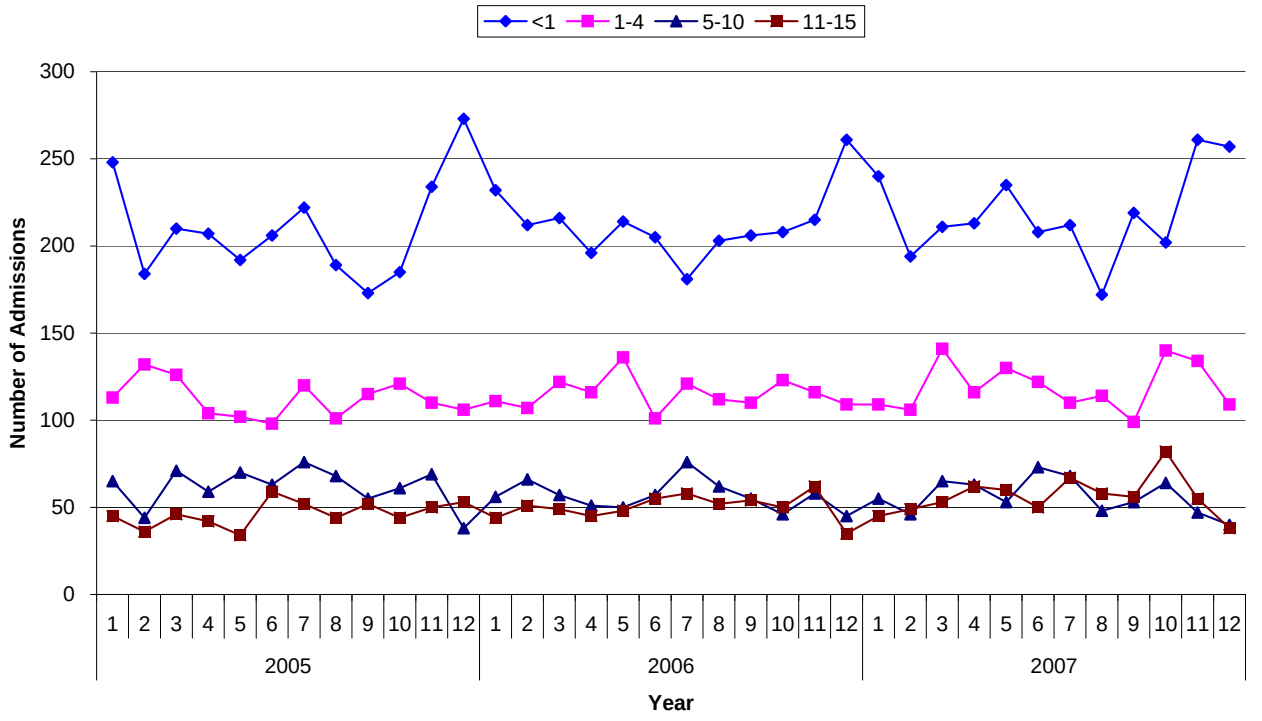


**Table 7 Admissions by month and primary diagnostic group, 2005 - 2007**

| Year | Month | Diagnostic Group: Blood / lymphatic | | Body wall and cavities | | Cardiovascular | | Endocrine / metabolic | | Gastrointestinal | | Infection | | Multisystem | | Musculoskeletal | | Neurological | | Oncology | | Other | | Respiratory | | Trauma | | Unknown | | Total | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % |
| 2005 | 1 | 4 | (1) | 4 | (1) | 142 | (30) | 13 | (3) | 34 | (7) | 25 | (5) | 0 | (0) | 14 | (3) | 57 | (12) | 15 | (3) | 26 | (6) | 128 | (27) | 7 | (1) | 2 | (0) | 471 | (9.1) |
| | 2 | 9 | (2) | 8 | (2) | 102 | (26) | 14 | (4) | 23 | (6) | 18 | (5) | 0 | (0) | 5 | (1) | 62 | (16) | 11 | (3) | 29 | (7) | 105 | (27) | 8 | (2) | 2 | (1) | 396 | (7.7) |
| | 3 | 5 | (1) | 10 | (2) | 138 | (30) | 10 | (2) | 24 | (5) | 24 | (5) | 1 | (0) | 8 | (2) | 61 | (13) | 16 | (4) | 22 | (5) | 115 | (25) | 16 | (4) | 3 | (1) | 453 | (8.8) |
| | 4 | 5 | (1) | 14 | (3) | 131 | (32) | 6 | (1) | 31 | (8) | 16 | (4) | 1 | (0) | 5 | (1) | 48 | (12) | 14 | (3) | 26 | (6) | 101 | (25) | 12 | (3) | 2 | (0) | 412 | (8.0) |
| | 5 | 9 | (2) | 7 | (2) | 124 | (31) | 7 | (2) | 34 | (9) | 14 | (4) | 3 | (1) | 9 | (2) | 59 | (15) | 20 | (5) | 14 | (4) | 82 | (21) | 15 | (4) | 1 | (0) | 398 | (7.7) |
| | 6 | 9 | (2) | 12 | (3) | 141 | (33) | 4 | (1) | 30 | (7) | 11 | (3) | 1 | (0) | 6 | (1) | 54 | (13) | 12 | (3) | 35 | (8) | 86 | (20) | 21 | (5) | 4 | (1) | 426 | (8.2) |
| | 7 | 4 | (1) | 13 | (3) | 168 | (36) | 9 | (2) | 34 | (7) | 24 | (5) | 1 | (0) | 7 | (1) | 54 | (11) | 15 | (3) | 26 | (6) | 93 | (20) | 19 | (4) | 3 | (1) | 470 | (9.1) |
| | 8 | 0 | (0) | 9 | (2) | 153 | (38) | 4 | (1) | 36 | (9) | 16 | (4) | 1 | (0) | 8 | (2) | 51 | (13) | 10 | (2) | 24 | (6) | 68 | (17) | 20 | (5) | 2 | (0) | 402 | (7.8) |
| | 9 | 0 | (0) | 6 | (2) | 142 | (36) | 11 | (3) | 39 | (10) | 11 | (3) | 1 | (0) | 6 | (2) | 46 | (12) | 23 | (6) | 10 | (3) | 84 | (21) | 14 | (4) | 2 | (1) | 395 | (7.6) |
| | 10 | 3 | (1) | 8 | (2) | 131 | (32) | 10 | (2) | 19 | (5) | 23 | (6) | 0 | (0) | 6 | (1) | 61 | (15) | 13 | (3) | 20 | (5) | 109 | (27) | 7 | (2) | 1 | (0) | 411 | (8.0) |
| | 11 | 6 | (1) | 7 | (2) | 143 | (31) | 8 | (2) | 30 | (6) | 16 | (3) | 0 | (0) | 9 | (2) | 54 | (12) | 22 | (5) | 15 | (3) | 142 | (31) | 11 | (2) | 0 | (0) | 463 | (9.0) |
| | 12 | 5 | (1) | 2 | (0) | 116 | (25) | 8 | (2) | 20 | (4) | 20 | (4) | 0 | (0) | 7 | (1) | 41 | (9) | 20 | (4) | 15 | (3) | 199 | (42) | 12 | (3) | 5 | (1) | 470 | (9.1) |
| **2005 Total** | | **59** | **(1.1)** | **100** | **(1.9)** | **1,631** | **(31.6)** | **104** | **(2.0)** | **354** | **(6.9)** | **218** | **(4.2)** | **9** | **(0.2)** | **90** | **(1.7)** | **648** | **(12.5)** | **191** | **(3.7)** | **262** | **(5.1)** | **1,312** | **(25.4)** | **162** | **(3.1)** | **27** | **(0.5)** | **5,167** | |
| 2006 | 1 | 4 | (1) | 7 | (2) | 137 | (31) | 13 | (3) | 24 | (5) | 25 | (6) | 1 | (0) | 10 | (2) | 54 | (12) | 22 | (5) | 18 | (4) | 122 | (28) | 6 | (1) | 0 | (0) | 443 | (8.5) |
| | 2 | 8 | (2) | 7 | (2) | 129 | (30) | 15 | (3) | 27 | (6) | 26 | (6) | 3 | (1) | 8 | (2) | 49 | (11) | 18 | (4) | 18 | (4) | 117 | (27) | 9 | (2) | 2 | (0) | 436 | (8.4) |
| | 3 | 3 | (1) | 9 | (2) | 144 | (32) | 11 | (2) | 30 | (7) | 27 | (6) | 0 | (0) | 10 | (2) | 61 | (14) | 13 | (3) | 16 | (4) | 104 | (23) | 8 | (2) | 8 | (2) | 444 | (8.5) |
| | 4 | 6 | (1) | 6 | (1) | 141 | (35) | 12 | (3) | 32 | (8) | 20 | (5) | 4 | (1) | 4 | (1) | 38 | (9) | 14 | (3) | 24 | (6) | 99 | (24) | 6 | (1) | 2 | (0) | 408 | (7.8) |
| | 5 | 2 | (0) | 10 | (2) | 158 | (35) | 6 | (1) | 27 | (6) | 15 | (3) | 1 | (0) | 9 | (2) | 54 | (12) | 18 | (4) | 19 | (4) | 115 | (26) | 12 | (3) | 2 | (0) | 448 | (8.6) |
| | 6 | 4 | (1) | 9 | (2) | 150 | (36) | 7 | (2) | 36 | (9) | 15 | (4) | 4 | (1) | 11 | (3) | 43 | (10) | 13 | (3) | 23 | (6) | 89 | (21) | 13 | (3) | 1 | (0) | 418 | (8.0) |
| | 7 | 2 | (0) | 4 | (1) | 139 | (32) | 11 | (3) | 40 | (9) | 17 | (4) | 0 | (0) | 8 | (2) | 38 | (9) | 31 | (7) | 33 | (8) | 92 | (21) | 20 | (5) | 1 | (0) | 436 | (8.4) |
| | 8 | 3 | (1) | 4 | (1) | 174 | (41) | 16 | (4) | 30 | (7) | 22 | (5) | 1 | (0) | 9 | (2) | 43 | (10) | 16 | (4) | 19 | (4) | 65 | (15) | 25 | (6) | 2 | (0) | 429 | (8.2) |
| | 9 | 2 | (0) | 11 | (3) | 149 | (35) | 9 | (2) | 31 | (7) | 15 | (4) | 1 | (0) | 15 | (4) | 37 | (9) | 22 | (5) | 33 | (8) | 79 | (19) | 17 | (4) | 4 | (1) | 425 | (8.1) |
| | 10 | 0 | (0) | 9 | (2) | 153 | (36) | 10 | (2) | 28 | (7) | 23 | (5) | 1 | (0) | 15 | (4) | 38 | (9) | 22 | (5) | 21 | (5) | 92 | (22) | 11 | (3) | 4 | (1) | 427 | (8.2) |
| | 11 | 9 | (2) | 5 | (1) | 138 | (31) | 9 | (2) | 34 | (8) | 16 | (4) | 4 | (1) | 5 | (1) | 47 | (10) | 14 | (3) | 22 | (5) | 137 | (30) | 9 | (2) | 2 | (0) | 451 | (8.6) |
| | 12 | 4 | (1) | 8 | (2) | 106 | (24) | 14 | (3) | 31 | (7) | 18 | (4) | 4 | (1) | 6 | (1) | 44 | (10) | 18 | (4) | 15 | (3) | 172 | (38) | 7 | (2) | 3 | (1) | 450 | (8.6) |
| **2006 Total** | | **47** | **(0.9)** | **89** | **(1.7)** | **1,718** | **(32.9)** | **133** | **(2.6)** | **370** | **(7.1)** | **239** | **(4.6)** | **24** | **(0.5)** | **110** | **(2.1)** | **546** | **(10.5)** | **221** | **(4.2)** | **261** | **(5.0)** | **1,283** | **(24.6)** | **143** | **(2.7)** | **31** | **(0.6)** | **5,215** | |
| 2007 | 1 | 4 | (1) | 7 | (2) | 145 | (32) | 5 | (1) | 22 | (5) | 21 | (5) | 2 | (0) | 13 | (3) | 36 | (8) | 15 | (3) | 22 | (5) | 143 | (32) | 10 | (2) | 4 | (1) | 449 | (8.3) |
| | 2 | 6 | (2) | 1 | (0) | 119 | (30) | 10 | (3) | 28 | (7) | 17 | (4) | 1 | (0) | 8 | (2) | 38 | (10) | 7 | (2) | 13 | (3) | 129 | (33) | 13 | (3) | 5 | (1) | 395 | (7.3) |
| | 3 | 5 | (1) | 5 | (1) | 131 | (28) | 15 | (3) | 29 | (6) | 23 | (5) | 2 | (0) | 6 | (1) | 55 | (12) | 16 | (3) | 40 | (9) | 129 | (27) | 9 | (2) | 5 | (1) | 470 | (8.7) |
| | 4 | 9 | (2) | 4 | (1) | 145 | (32) | 16 | (4) | 35 | (8) | 18 | (4) | 1 | (0) | 7 | (2) | 48 | (11) | 17 | (4) | 26 | (6) | 104 | (23) | 18 | (4) | 6 | (1) | 454 | (8.4) |
| | 5 | 11 | (2) | 11 | (2) | 145 | (30) | 11 | (2) | 22 | (5) | 23 | (5) | 1 | (0) | 10 | (2) | 45 | (9) | 14 | (3) | 37 | (8) | 123 | (26) | 16 | (3) | 9 | (2) | 478 | (8.8) |
| | 6 | 8 | (2) | 10 | (2) | 126 | (28) | 15 | (3) | 32 | (7) | 20 | (4) | 3 | (1) | 11 | (2) | 44 | (10) | 22 | (5) | 26 | (6) | 122 | (27) | 11 | (2) | 3 | (1) | 453 | (8.4) |
| | 7 | 6 | (1) | 5 | (1) | 161 | (35) | 18 | (4) | 22 | (5) | 19 | (4) | 2 | (0) | 10 | (2) | 49 | (11) | 16 | (4) | 27 | (6) | 100 | (22) | 19 | (4) | 3 | (1) | 457 | (8.5) |
| | 8 | 3 | (1) | 5 | (1) | 154 | (39) | 8 | (2) | 24 | (6) | 16 | (4) | 0 | (0) | 7 | (2) | 39 | (10) | 15 | (4) | 21 | (5) | 77 | (20) | 17 | (4) | 6 | (2) | 392 | (7.3) |
| | 9 | 8 | (2) | 12 | (3) | 144 | (34) | 10 | (2) | 24 | (6) | 15 | (4) | 1 | (0) | 7 | (2) | 36 | (8) | 16 | (4) | 26 | (6) | 110 | (26) | 12 | (3) | 6 | (1) | 427 | (7.9) |
| | 10 | 7 | (1) | 6 | (1) | 161 | (33) | 12 | (2) | 19 | (4) | 25 | (5) | 0 | (0) | 18 | (4) | 50 | (10) | 13 | (3) | 22 | (5) | 130 | (27) | 21 | (4) | 4 | (1) | 488 | (9.0) |
| | 11 | 7 | (1) | 7 | (1) | 149 | (30) | 12 | (2) | 23 | (5) | 17 | (3) | 1 | (0) | 10 | (2) | 33 | (7) | 18 | (4) | 15 | (3) | 191 | (38) | 6 | (1) | 8 | (2) | 497 | (9.2) |
| | 12 | 4 | (1) | 4 | (1) | 106 | (24) | 10 | (2) | 20 | (5) | 17 | (4) | 0 | (0) | 6 | (1) | 42 | (9) | 13 | (3) | 20 | (5) | 190 | (43) | 8 | (2) | 4 | (1) | 444 | (8.2) |
| **2007 Total** | | **78** | **(1.4)** | **77** | **(1.4)** | **1,686** | **(31.2)** | **142** | **(2.6)** | **300** | **(5.6)** | **231** | **(4.3)** | **14** | **(0.3)** | **113** | **(2.1)** | **515** | **(9.5)** | **182** | **(3.4)** | **295** | **(5.5)** | **1,548** | **(28.6)** | **160** | **(3.0)** | **63** | **(1.2)** | **5,404** | |
| **Grand Total** | | **184** | **(1.2)** | **266** | **(1.7)** | **5,035** | **(31.9)** | **379** | **(2.4)** | **1,024** | **(6.5)** | **688** | **(4.4)** | **47** | **(0.3)** | **313** | **(2.0)** | **1,709** | **(10.8)** | **594** | **(3.8)** | **818** | **(5.2)** | **4,143** | **(26.2)** | **465** | **(2.9)** | **121** | **(0.8)** | **15,786** | |

**Figure 7 Admissions by month and primary diagnostic group, 2005 - 2007**

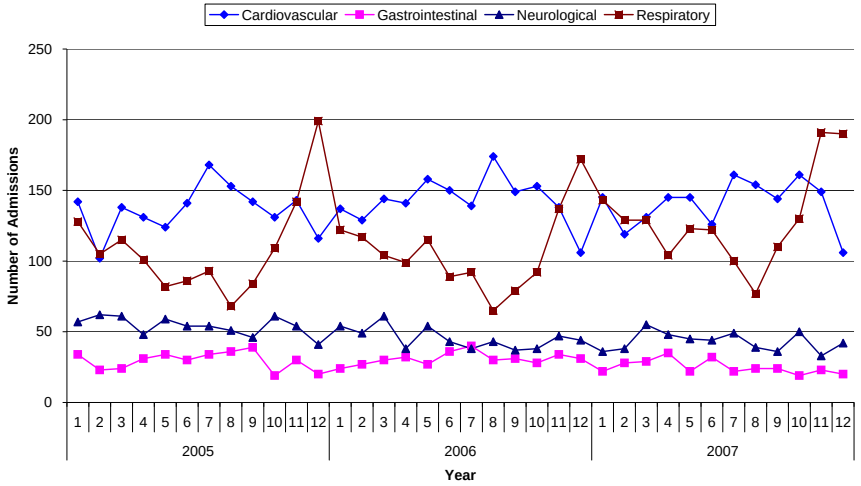


**Table 8 Respiratory admissions by month and age, 2005 - 2007**

| Year | Month | Age Group (Years) <1 n | <1 % | 1-4 n | 1-4 % | 5-10 n | 5-10 % | 11-15 n | 11-15 % | Total n | Total % |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **2005** | **1** | 80 | (63) | 24 | (19) | 15 | (12) | 9 | (7) | **128** | **(9.8)** |
| | **2** | 51 | (49) | 43 | (41) | 4 | (4) | 7 | (7) | **105** | **(8.0)** |
| | **3** | 51 | (44) | 38 | (33) | 19 | (17) | 7 | (6) | **115** | **(8.8)** |
| | **4** | 58 | (57) | 25 | (25) | 9 | (9) | 9 | (9) | **101** | **(7.7)** |
| | **5** | 39 | (48) | 30 | (37) | 9 | (11) | 4 | (5) | **82** | **(6.3)** |
| | **6** | 41 | (48) | 21 | (24) | 12 | (14) | 12 | (14) | **86** | **(6.6)** |
| | **7** | 40 | (43) | 34 | (37) | 11 | (12) | 8 | (9) | **93** | **(7.1)** |
| | **8** | 33 | (49) | 20 | (29) | 9 | (13) | 6 | (9) | **68** | **(5.2)** |
| | **9** | 34 | (40) | 28 | (33) | 14 | (17) | 8 | (10) | **84** | **(6.4)** |
| | **10** | 51 | (47) | 34 | (31) | 18 | (17) | 6 | (6) | **109** | **(8.3)** |
| | **11** | 79 | (56) | 44 | (31) | 13 | (9) | 6 | (4) | **142** | **(10.8)** |
| | **12** | 139 | (70) | 37 | (19) | 10 | (5) | 13 | (7) | **199** | **(15.2)** |
| **2005 Total** | | **696** | **(53.0)** | **378** | **(28.8)** | **143** | **(10.9)** | **95** | **(7.2)** | **1,312** | |
| **2006** | **1** | 76 | (62) | 31 | (25) | 8 | (7) | 7 | (6) | **122** | **(9.5)** |
| | **2** | 53 | (45) | 39 | (33) | 18 | (15) | 7 | (6) | **117** | **(9.1)** |
| | **3** | 49 | (47) | 37 | (36) | 11 | (11) | 7 | (7) | **104** | **(8.1)** |
| | **4** | 52 | (53) | 33 | (33) | 12 | (12) | 2 | (2) | **99** | **(7.7)** |
| | **5** | 54 | (47) | 42 | (37) | 9 | (8) | 10 | (9) | **115** | **(9.0)** |
| | **6** | 50 | (56) | 27 | (30) | 6 | (7) | 6 | (7) | **89** | **(6.9)** |
| | **7** | 36 | (39) | 33 | (36) | 14 | (15) | 9 | (10) | **92** | **(7.2)** |
| | **8** | 32 | (49) | 23 | (35) | 6 | (9) | 4 | (6) | **65** | **(5.1)** |
| | **9** | 37 | (47) | 24 | (30) | 10 | (13) | 8 | (10) | **79** | **(6.2)** |
| | **10** | 37 | (40) | 41 | (45) | 9 | (10) | 5 | (5) | **92** | **(7.2)** |
| | **11** | 70 | (51) | 37 | (27) | 19 | (14) | 11 | (8) | **137** | **(10.7)** |
| | **12** | 108 | (63) | 43 | (25) | 13 | (8) | 8 | (5) | **172** | **(13.4)** |
| **2006 Total** | | **654** | **(51.0)** | **410** | **(32.0)** | **135** | **(10.5)** | **84** | **(6.5)** | **1,283** | |
| **2007** | **1** | 91 | (64) | 33 | (23) | 12 | (8) | 7 | (5) | **143** | **(9.2)** |
| | **2** | 64 | (50) | 41 | (32) | 16 | (12) | 8 | (6) | **129** | **(8.3)** |
| | **3** | 51 | (40) | 49 | (38) | 16 | (12) | 13 | (10) | **129** | **(8.3)** |
| | **4** | 44 | (42) | 38 | (37) | 9 | (9) | 13 | (13) | **104** | **(6.7)** |
| | **5** | 55 | (45) | 41 | (33) | 11 | (9) | 16 | (13) | **123** | **(7.9)** |
| | **6** | 49 | (40) | 45 | (37) | 20 | (16) | 8 | (7) | **122** | **(7.9)** |
| | **7** | 45 | (45) | 26 | (26) | 19 | (19) | 10 | (10) | **100** | **(6.5)** |
| | **8** | 28 | (36) | 33 | (43) | 10 | (13) | 6 | (8) | **77** | **(5.0)** |
| | **9** | 55 | (50) | 28 | (25) | 11 | (10) | 16 | (15) | **110** | **(7.1)** |
| | **10** | 52 | (40) | 41 | (32) | 24 | (18) | 13 | (10) | **130** | **(8.4)** |
| | **11** | 113 | (59) | 56 | (29) | 12 | (6) | 10 | (5) | **191** | **(12.3)** |
| | **12** | 138 | (73) | 40 | (21) | 10 | (5) | 2 | (1) | **190** | **(12.3)** |
| **2007 Total** | | **785** | **(50.7)** | **471** | **(30.4)** | **170** | **(11.0)** | **122** | **(7.9)** | **1,548** | |
| **Grand Total** | | **2,135** | **(51.5)** | **1,259** | **(30.4)** | **448** | **(10.8)** | **301** | **(7.3)** | **4,143** | |

**Figure 8 Respiratory admissions by month and age, 2005 - 2007**

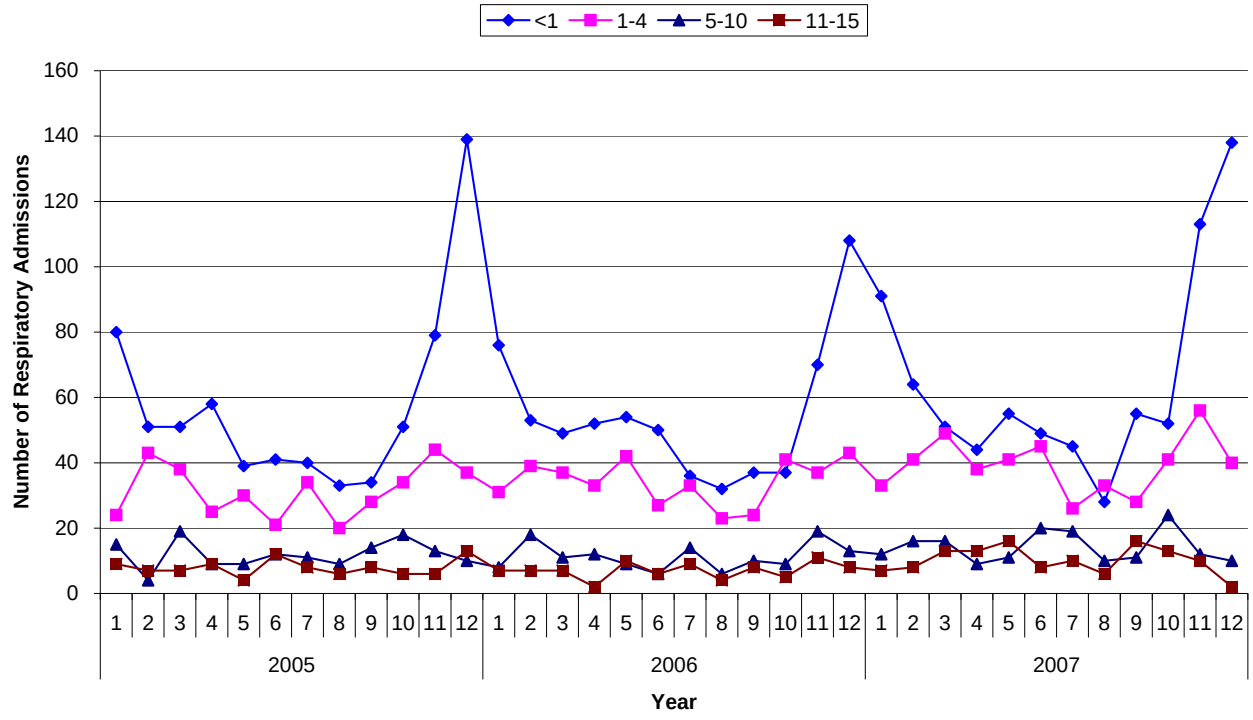


**Table 9 Admissions by month by NHS trust, 2005 - 2007**

| Year | NHS Trust | Month | | | | | | | | | | | | | | | | | | | | | | | | Total | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | January | | February | | March | | April | | May | | June | | July | | August | | September | | October | | November | | December | | | |
| | | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % |
| 2005 | A | 33 | (8) | 39 | (9) | 45 | (11) | 31 | (7) | 40 | (10) | 34 | (8) | 37 | (9) | 31 | (7) | 30 | (7) | 31 | (7) | 37 | (9) | 32 | (8) | **420** | **(8.1)** |
| | B | 32 | (14) | 20 | (9) | 13 | (6) | 22 | (9) | 23 | (10) | 11 | (5) | 16 | (7) | 8 | (3) | 20 | (9) | 23 | (10) | 24 | (10) | 20 | (9) | **232** | **(4.5)** |
| | E | 148 | (10) | 97 | (6) | 130 | (9) | 129 | (9) | 128 | (8) | 126 | (8) | 142 | (9) | 130 | (9) | 115 | (8) | 116 | (8) | 117 | (8) | 137 | (9) | **1,515** | **(29.3)** |
| | F | 95 | (8) | 92 | (8) | 103 | (9) | 88 | (8) | 72 | (6) | 96 | (9) | 103 | (9) | 87 | (8) | 85 | (8) | 75 | (7) | 110 | (10) | 117 | (10) | **1,123** | **(21.7)** |
| | H | 22 | (6) | 31 | (9) | 26 | (7) | 29 | (8) | 26 | (7) | 37 | (11) | 36 | (10) | 23 | (7) | 27 | (8) | 30 | (9) | 30 | (9) | 30 | (9) | **347** | **(6.7)** |
| | J | 18 | (19) | 5 | (5) | 9 | (9) | 4 | (4) | 13 | (14) | 9 | (9) | 11 | (11) | 7 | (7) | 5 | (5) | 4 | (4) | 6 | (6) | 5 | (5) | **96** | **(1.9)** |
| | O | 56 | (9) | 42 | (7) | 38 | (6) | 45 | (7) | 37 | (6) | 56 | (9) | 65 | (11) | 61 | (10) | 50 | (8) | 60 | (10) | 56 | (9) | 47 | (8) | **613** | **(11.9)** |
| | T | 33 | (8) | 36 | (9) | 55 | (13) | 30 | (7) | 29 | (7) | 30 | (7) | 30 | (7) | 34 | (8) | 34 | (8) | 33 | (8) | 33 | (8) | 36 | (9) | **413** | **(8.0)** |
| | U | 34 | (8) | 34 | (8) | 34 | (8) | 34 | (8) | 30 | (7) | 27 | (7) | 30 | (7) | 21 | (5) | 29 | (7) | 39 | (10) | 50 | (12) | 46 | (11) | **408** | **(7.9)** |
| **2005 Total** | | **471** | **(9.1)** | **396** | **(7.7)** | **453** | **(8.8)** | **412** | **(8.0)** | **398** | **(7.7)** | **426** | **(8.2)** | **470** | **(9.1)** | **402** | **(7.8)** | **395** | **(7.6)** | **411** | **(8.0)** | **463** | **(9.0)** | **470** | **(9.1)** | **5,167** | |
| 2006 | A | 30 | (7) | 47 | (10) | 35 | (8) | 27 | (6) | 38 | (8) | 39 | (9) | 37 | (8) | 35 | (8) | 35 | (8) | 46 | (10) | 32 | (7) | 48 | (11) | **449** | **(8.6)** |
| | B | 15 | (7) | 26 | (12) | 23 | (10) | 13 | (6) | 19 | (8) | 17 | (8) | 15 | (7) | 22 | (10) | 21 | (9) | 12 | (5) | 26 | (12) | 17 | (8) | **226** | **(4.3)** |
| | E | 134 | (8) | 110 | (7) | 146 | (9) | 133 | (8) | 136 | (9) | 139 | (9) | 150 | (9) | 139 | (9) | 141 | (9) | 125 | (8) | 130 | (8) | 116 | (7) | **1,599** | **(30.7)** |
| | F | 100 | (9) | 104 | (10) | 89 | (8) | 91 | (8) | 87 | (8) | 84 | (8) | 81 | (7) | 78 | (7) | 86 | (8) | 85 | (8) | 88 | (8) | 114 | (10) | **1,087** | **(20.8)** |
| | H | 29 | (9) | 17 | (5) | 17 | (5) | 25 | (8) | 28 | (9) | 28 | (9) | 30 | (10) | 30 | (10) | 25 | (8) | 23 | (7) | 32 | (10) | 31 | (10) | **315** | **(6.0)** |
| | J | 5 | (7) | 6 | (8) | 7 | (9) | 7 | (9) | 6 | (8) | 5 | (7) | 2 | (3) | 3 | (4) | 5 | (7) | 5 | (7) | 13 | (18) | 10 | (14) | **74** | **(1.4)** |
| | O | 54 | (8) | 45 | (7) | 47 | (7) | 50 | (8) | 64 | (10) | 55 | (8) | 52 | (8) | 72 | (11) | 53 | (8) | 65 | (10) | 60 | (9) | 39 | (6) | **656** | **(12.6)** |
| | T | 38 | (9) | 46 | (10) | 41 | (9) | 36 | (8) | 30 | (7) | 28 | (6) | 46 | (10) | 35 | (8) | 36 | (8) | 29 | (7) | 35 | (8) | 42 | (10) | **442** | **(8.5)** |
| | U | 38 | (10) | 35 | (10) | 39 | (11) | 26 | (7) | 40 | (11) | 23 | (6) | 23 | (6) | 15 | (4) | 23 | (6) | 37 | (10) | 35 | (10) | 33 | (9) | **367** | **(7.0)** |
| **2006 Total** | | **443** | **(8.5)** | **436** | **(8.4)** | **444** | **(8.5)** | **408** | **(7.8)** | **448** | **(8.6)** | **418** | **(8.0)** | **436** | **(8.4)** | **429** | **(8.2)** | **425** | **(8.1)** | **427** | **(8.2)** | **451** | **(8.6)** | **450** | **(8.6)** | **5,215** | |
| 2007 | A | 47 | (9) | 41 | (8) | 47 | (9) | 49 | (10) | 44 | (9) | 35 | (7) | 37 | (7) | 50 | (10) | 35 | (7) | 45 | (9) | 41 | (8) | 41 | (8) | **512** | **(9.5)** |
| | B | 25 | (15) | 17 | (10) | 19 | (11) | 18 | (11) | 23 | (13) | 19 | (11) | 8 | (5) | 7 | (4) | 3 | (2) | 10 | (6) | 11 | (6) | 11 | (6) | **171** | **(3.2)** |
| | E | 107 | (8) | 93 | (7) | 118 | (9) | 113 | (8) | 118 | (9) | 128 | (9) | 133 | (10) | 84 | (6) | 122 | (9) | 125 | (9) | 131 | (9) | 111 | (8) | **1,383** | **(25.6)** |
| | F | 105 | (9) | 92 | (8) | 98 | (8) | 87 | (7) | 101 | (9) | 93 | (8) | 100 | (8) | 98 | (8) | 84 | (7) | 115 | (10) | 121 | (10) | 86 | (7) | **1,180** | **(21.8)** |
| | H | 19 | (7) | 21 | (7) | 36 | (12) | 24 | (8) | 27 | (9) | 25 | (9) | 27 | (9) | 14 | (5) | 40 | (14) | 17 | (6) | 13 | (4) | 29 | (10) | **292** | **(5.4)** |
| | J | 11 | (9) | 8 | (7) | 8 | (7) | 8 | (7) | 2 | (2) | 10 | (8) | 13 | (11) | 11 | (9) | 7 | (6) | 19 | (16) | 12 | (10) | 10 | (8) | **119** | **(2.2)** |
| | O | 68 | (11) | 54 | (8) | 42 | (7) | 61 | (10) | 62 | (10) | 43 | (7) | 51 | (8) | 47 | (7) | 53 | (8) | 53 | (8) | 59 | (9) | 45 | (7) | **638** | **(11.8)** |
| | T | 35 | (9) | 27 | (7) | 38 | (10) | 31 | (8) | 30 | (8) | 45 | (12) | 38 | (10) | 23 | (6) | 20 | (5) | 31 | (8) | 31 | (8) | 36 | (9) | **385** | **(7.1)** |
| | U | 32 | (9) | 31 | (8) | 33 | (9) | 26 | (7) | 33 | (9) | 22 | (6) | 26 | (7) | 27 | (7) | 27 | (7) | 30 | (8) | 39 | (11) | 41 | (11) | **367** | **(6.8)** |
| | Z | 0 | (0) | 11 | (3) | 31 | (9) | 37 | (10) | 38 | (11) | 33 | (9) | 24 | (7) | 31 | (9) | 36 | (10) | 43 | (12) | 39 | (11) | 34 | (10) | **357** | **(6.6)** |
| **2007 Total** | | **449** | **(8.3)** | **395** | **(7.3)** | **470** | **(8.7)** | **454** | **(8.4)** | **478** | **(8.8)** | **453** | **(8.4)** | **457** | **(8.5)** | **392** | **(7.3)** | **427** | **(7.9)** | **488** | **(9.0)** | **497** | **(9.2)** | **444** | **(8.2)** | **5,404** | |
| **Grand Total** | | **1,363** | **(8.6)** | **1,227** | **(7.8)** | **1,367** | **(8.7)** | **1,274** | **(8.1)** | **1,324** | **(8.4)** | **1,297** | **(8.2)** | **1,363** | **(8.6)** | **1,223** | **(7.7)** | **1,247** | **(7.9)** | **1,326** | **(8.4)** | **1,411** | **(8.9)** | **1,364** | **(8.6)** | **15,786** | |

**Table 10 Admissions by SHA / HB and year, 2005 - 2007**

| Country | SHA | Year 2005 n | 2005 % | 2006 n | 2006 % | 2007 n | 2007 % | Total n | Total % |
|---|---|---|---|---|---|---|---|---|---|
| **Channel Islands** | **Guernsey (and Sark)** | 1 | (0.0) | 0 | (0.0) | 0 | (0.0) | **1** | **(0.0)** |
| | **Jersey** | 15 | (0.3) | 2 | (0.0) | 4 | (0.1) | **21** | **(0.1)** |
| **Channel Islands Total** | | **16** | **(0.3)** | **2** | **(0.0)** | **4** | **(0.1)** | **22** | **(0.1)** |
| **England** | **East Midlands** | 61 | (1.2) | 57 | (1.1) | 68 | (1.3) | **186** | **(1.2)** |
| | **East of England** | 1,090 | (21.1) | 1,130 | (21.7) | 1,219 | (22.6) | **3,439** | **(21.8)** |
| | **London** | 2,253 | (43.6) | 2,267 | (43.5) | 2,506 | (46.4) | **7,026** | **(44.5)** |
| | **North East** | 6 | (0.1) | 1 | (0.0) | 6 | (0.1) | **13** | **(0.1)** |
| | **North West** | 23 | (0.4) | 23 | (0.4) | 42 | (0.8) | **88** | **(0.6)** |
| | **South Central** | 220 | (4.3) | 210 | (4.0) | 151 | (2.8) | **581** | **(3.7)** |
| | **South East Coast** | 1,075 | (20.8) | 1,067 | (20.5) | 1,018 | (18.8) | **3,160** | **(20.0)** |
| | **South West** | 45 | (0.9) | 51 | (1.0) | 40 | (0.7) | **136** | **(0.9)** |
| | **West Midlands** | 21 | (0.4) | 29 | (0.6) | 30 | (0.6) | **80** | **(0.5)** |
| | **Yorkshire and the Humber** | 37 | (0.7) | 29 | (0.6) | 22 | (0.4) | **88** | **(0.6)** |
| **England Total** | | **4,831** | **(93.5)** | **4,864** | **(93.3)** | **5,102** | **(94.4)** | **14,797** | **(93.7)** |
| **Isle of Man** | **Isle of Man** | 0 | (0.0) | 1 | (0.0) | 0 | (0.0) | **1** | **(0.0)** |
| **Isle of Man Total** | | **0** | **(0.0)** | **1** | **(0.0)** | **0** | **(0.0)** | **1** | **(0.0)** |
| **Northern Ireland** | **Eastern Health Board** | 3 | (0.1) | 0 | (0.0) | 1 | (0.0) | **4** | **(0.0)** |
| | **Northern Health Board** | 0 | (0.0) | 2 | (0.0) | 1 | (0.0) | **3** | **(0.0)** |
| | **Southern Health Board** | 1 | (0.0) | 7 | (0.1) | 2 | (0.0) | **10** | **(0.1)** |
| | **Western Health Board** | 1 | (0.0) | 4 | (0.1) | 5 | (0.1) | **10** | **(0.1)** |
| **Northern Ireland Total** | | **5** | **(0.1)** | **13** | **(0.2)** | **9** | **(0.2)** | **27** | **(0.2)** |
| **Scotland** | **Argyll and Clyde** | 3 | (0.1) | 1 | (0.0) | 2 | (0.0) | **6** | **(0.0)** |
| | **Ayrshire & Arran** | 1 | (0.0) | 0 | (0.0) | 0 | (0.0) | **1** | **(0.0)** |
| | **Dumfries and Galloway** | 0 | (0.0) | 0 | (0.0) | 2 | (0.0) | **2** | **(0.0)** |
| | **Fife** | 0 | (0.0) | 4 | (0.1) | 0 | (0.0) | **4** | **(0.0)** |
| | **Forth Valley** | 1 | (0.0) | 0 | (0.0) | 0 | (0.0) | **1** | **(0.0)** |
| | **Grampian** | 5 | (0.1) | 5 | (0.1) | 4 | (0.1) | **14** | **(0.1)** |
| | **Greater Glasgow** | 6 | (0.1) | 0 | (0.0) | 6 | (0.1) | **12** | **(0.1)** |
| | **Highland** | 2 | (0.0) | 1 | (0.0) | 2 | (0.0) | **5** | **(0.0)** |
| | **Lanarkshire** | 2 | (0.0) | 5 | (0.1) | 4 | (0.1) | **11** | **(0.1)** |
| | **Lothian** | 4 | (0.1) | 1 | (0.0) | 0 | (0.0) | **5** | **(0.0)** |
| | **Tayside** | 7 | (0.1) | 2 | (0.0) | 1 | (0.0) | **10** | **(0.1)** |
| | **Western Isles** | 2 | (0.0) | 0 | (0.0) | 0 | (0.0) | **2** | **(0.0)** |
| **Scotland Total** | | **33** | **(0.6)** | **19** | **(0.4)** | **21** | **(0.4)** | **73** | **(0.5)** |
| **Wales** | **Welsh Health Authorities** | 23 | (0.4) | 17 | (0.3) | 15 | (0.3) | **55** | **(0.3)** |
| **Wales Total** | | **23** | **(0.4)** | **17** | **(0.3)** | **15** | **(0.3)** | **55** | **(0.3)** |
| **Non-UK / Missing** | **Non-UK** | 235 | (4.5) | 293 | (5.6) | 244 | (4.5) | **772** | **(4.9)** |
| | **Missing** | 24 | (0.5) | 6 | (0.1) | 9 | (0.2) | **39** | **(0.2)** |
| **Non-UK / Missing Total** | | **259** | **(5.0)** | **299** | **(5.7)** | **253** | **(4.7)** | **811** | **(5.1)** |
| **Grand Total** | | **5,167** | | **5,215** | | **5,404** | | **15,786** | |

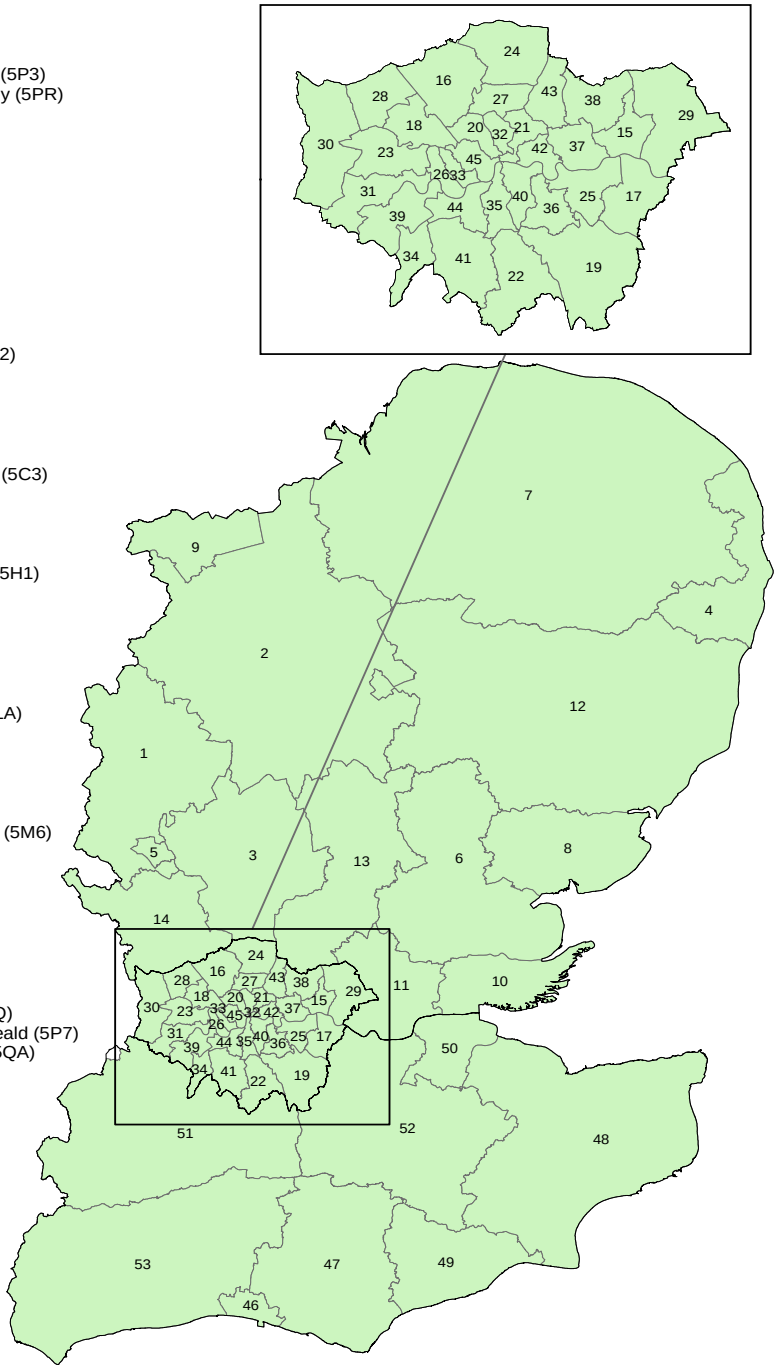
 

**Figure 10 Map showing PCO boundaries within SHA boundaries**

East of England (Q35)
1 - Bedfordshire (5P2)
2 - Cambridgeshire (5PP)
3 - East and North Hertfordshire (5P3)
4 - Great Yarmouth and Waveney (5PR)
5 - Luton (5GC)
6 - Mid Essex (5PX)
7 - Norfolk (5PQ)
8 - North East Essex (5PW)
9 - Peterborough (5PN)
10 - South East Essex (5P1)
11 - South West Essex (5PY)
12 - Suffolk (5PT)
13 - West Essex (5PV)
14 - West Hertfordshire (5P4)

London (Q36)
15 - Barking and Dagenham (5C2)
16 - Barnet (5A9)
17 - Bexley (TAK)
18 - Brent Teaching (5K5)
19 - Bromley (5A7)
20 - Camden (5K7)
21 - City and Hackney Teaching (5C3)
22 - Croydon (5K9)
23 - Ealing (5HX)
24 - Enfield (5C1)
25 - Greenwich Teaching (5A8)
26 - Hammersmith and Fulham (5H1)
27 - Haringey Teaching (5C9)
28 - Harrow (5K6)
29 - Havering (5A4)
30 - Hillingdon (5AT)
31 - Hounslow (5HY)
32 - Islington (5K8)
33 - Kensington and Chelsea (5LA)
34 - Kingston (5A5)
35 - Lambeth (5LD)
36 - Lewisham (5LF)
37 - Newham (5C5)
38 - Redbridge (5NA)
39 - Richmond and Twickenham (5M6)
40 - Southwark (5LE)
41 - Sutton and Merton (5M7)
42 - Tower Hamlets (5C4)
43 - Waltham Forest (5NC)
44 - Wandsworth (5LG)
45 - Westminster (5LC)

South East Coast (Q37)
46 - Brighton and Hove City (5LQ)
47 - East Sussex Downs and Weald (5P7)
48 - Eastern and Coastal Kent (5QA)
49 - Hastings and Rother (5P8)
50 - Medway (5L3)
51 - Surrey (5P5)
52 - West Kent (5P9)
53 - West Sussex (5P6)





Note: Part of Berkshire East PCT falls within South East Coast SHA but it is not listed here as it reports to South Central SHA.

**Table 10a Admissions showing UK and non-UK status based postal address by year, 2005 - 2007 (Pan Thames and non-Pan Thames admissions**

| Area of Residence | Admissions to Pan Thames units | | | | | | | | Admissions to non-Pan Thames units | | | | | | | | Total | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2005 | | 2006 | | 2007 | | Total | | 2005 | | 2006 | | 2007 | | Total | | 2005 | | 2006 | | 2007 | | Total | |
| | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % |
| **Pan Thames** | 4,418 | (85.5) | 4,464 | (85.6) | 4,743 | (87.8) | 13,625 | (86.3) | 142 | (1.6) | 137 | (1.5) | 192 | (1.9) | 471 | (1.7) | **4,560** | **(32.4)** | **4,601** | **(32.1)** | **4,935** | **(31.9)** | **14,096** | **(32.2)** |
| **Rest of UK** | 490 | (9.5) | 452 | (8.7) | 408 | (7.5) | 1,350 | (8.6) | 8,704 | (97.9) | 8,934 | (98.0) | 9,165 | (91.2) | 26,803 | (95.5) | **9,194** | **(65.4)** | **9,386** | **(65.5)** | **9,573** | **(62.0)** | **28,153** | **(64.2)** |
| **Non-UK** | 230 | (4.5) | 285 | (5.5) | 228 | (4.2) | 743 | (4.7) | 47 | (0.5) | 32 | (0.4) | 42 | (0.4) | 121 | (0.4) | **277** | **(2.0)** | **317** | **(2.2)** | **270** | **(1.7)** | **864** | **(2.0)** |
| **Missing** | 29 | (0.6) | 14 | (0.3) | 25 | (0.5) | 68 | (0.4) | 2 | (0.0) | 9 | (0.1) | 649 | (6.5) | 660 | (2.4) | **31** | **(0.2)** | **23** | **(0.2)** | **674** | **(4.4)** | **728** | **(1.7)** |
| **Grand Total** | **5,167** | | **5,215** | | **5,404** | | **15,786** | | **8,895** | | **9,112** | | **10,048** | | **28,055** | | **14,062** | | **14,327** | | **15,452** | | **43,841** | |

**Table 10b Influx and outflux to/from the Pan Thames region by month, 2005 - 2007**

| Year | Month | Admissions | | Retrievals | | Bed days | |
|---|---|---|---|---|---|---|---|
| | | Influx | Outflux | Influx | Outflux | Influx | Outflux |
| 2005 | 1 | 59 | 8 | 22 | 3 | 472 | 57 |
| | 2 | 54 | 18 | 16 | 9 | 439 | 52 |
| | 3 | 58 | 11 | 23 | 6 | 426 | 49 |
| | 4 | 56 | 15 | 17 | 5 | 495 | 73 |
| | 5 | 57 | 9 | 21 | 4 | 494 | 71 |
| | 6 | 66 | 9 | 25 | 4 | 475 | 89 |
| | 7 | 85 | 12 | 27 | 8 | 623 | 87 |
| | 8 | 66 | 9 | 20 | 6 | 524 | 56 |
| | 9 | 55 | 17 | 15 | 8 | 404 | 71 |
| | 10 | 52 | 13 | 21 | 10 | 375 | 66 |
| | 11 | 67 | 9 | 17 | 4 | 354 | 78 |
| | 12 | 74 | 12 | 31 | 10 | 441 | 81 |
| **2005 Total** | | **749** | **142** | **255** | **77** | **5,522** | **830** |
| 2006 | 1 | 69 | 7 | 19 | 7 | 438 | 30 |
| | 2 | 56 | 13 | 20 | 6 | 356 | 49 |
| | 3 | 63 | 13 | 19 | 4 | 444 | 125 |
| | 4 | 55 | 13 | 20 | 5 | 446 | 40 |
| | 5 | 78 | 14 | 30 | 7 | 428 | 38 |
| | 6 | 72 | 9 | 13 | 3 | 437 | 44 |
| | 7 | 62 | 6 | 15 | 4 | 398 | 25 |
| | 8 | 63 | 10 | 18 | 4 | 448 | 54 |
| | 9 | 68 | 12 | 17 | 4 | 397 | 47 |
| | 10 | 49 | 12 | 16 | 8 | 383 | 34 |
| | 11 | 63 | 11 | 19 | 4 | 428 | 41 |
| | 12 | 53 | 17 | 21 | 10 | 430 | 81 |
| **2006 Total** | | **751** | **137** | **227** | **66** | **5,033** | **608** |
| 2007 | 1 | 43 | 12 | 12 | 6 | 399 | 95 |
| | 2 | 64 | 12 | 17 | 6 | 465 | 84 |
| | 3 | 53 | 18 | 18 | 12 | 418 | 124 |
| | 4 | 59 | 20 | 24 | 13 | 503 | 79 |
| | 5 | 58 | 23 | 18 | 10 | 424 | 93 |
| | 6 | 58 | 12 | 26 | 5 | 346 | 62 |
| | 7 | 59 | 22 | 11 | 14 | 407 | 127 |
| | 8 | 46 | 7 | 9 | 3 | 308 | 53 |
| | 9 | 57 | 6 | 11 | 3 | 318 | 23 |
| | 10 | 61 | 12 | 15 | 5 | 454 | 46 |
| | 11 | 54 | 18 | 18 | 14 | 378 | 82 |
| | 12 | 49 | 30 | 23 | 24 | 339 | 167 |
| **2007 Total** | | **661** | **192** | **202** | **115** | **4,759** | **1,035** |
| **Grand Total** | | **2,161** | **471** | **684** | **258** | **15,314** | **2,473** |

**Table 10c Influx to the Pan Thames region by NHS trust, 2005 - 2007**

| Year | Month | Admissions | Retrievals | Bed days |
|---|---|---|---|---|
| | | | | |
| 2005 | A | 22 | 10 | 92 |
| | B | 2 | 0 | 3 |
| | E | 365 | 121 | 3,190 |
| | F | 111 | 47 | 565 |
| | H | 55 | 17 | 315 |
| | J | 5 | 0 | 15 |
| | O | 100 | 4 | 729 |
| | T | 38 | 10 | 188 |
| | U | 51 | 46 | 425 |
| **2005 Total** | | **749** | **255** | **5,522** |
| | | | | |
| 2006 | A | 23 | 5 | 183 |
| | B | 1 | 0 | 2 |
| | E | 335 | 108 | 2,487 |
| | F | 130 | 44 | 619 |
| | H | 62 | 21 | 571 |
| | J | 1 | 0 | 2 |
| | O | 132 | 13 | 817 |
| | T | 36 | 12 | 133 |
| | U | 31 | 24 | 219 |
| **2006 Total** | | **751** | **227** | **5,033** |
| | | | | |
| 2007 | A | 23 | 12 | 132 |
| | B | 1 | 0 | 9 |
| | E | 312 | 87 | 2,447 |
| | F | 123 | 45 | 765 |
| | H | 49 | 10 | 412 |
| | J | 0 | 0 | 0 |
| | O | 92 | 13 | 527 |
| | T | 23 | 7 | 196 |
| | U | 33 | 27 | 257 |
| | Z | 5 | 1 | 14 |
| **2007 Total** | | **661** | **202** | **4,759** |
| | | | | |
| **Grand Total** | | **2,161** | **684** | **15,314** |

**Table 10d Outflux from the Pan Thames region by NHS trust, 2005 - 2007**

| Year | Month | Admissions | Retrievals | Bed days |
|---|---|---|---|---|
| | | | | |
| 2005 | C | 3 | 1 | 15 |
| | I | 1 | 1 | 5 |
| | K | 1 | 1 | 4 |
| | L | 1 | 0 | 2 |
| | M | 4 | 4 | 54 |
| | N | 8 | 6 | 34 |
| | P | 1 | 0 | 2 |
| | Q | 2 | 0 | 4 |
| | R | 53 | 32 | 292 |
| | V | 13 | 0 | 60 |
| | W | 2 | 1 | 12 |
| | X | 53 | 31 | 346 |
| **2005 Total** | | **142** | **77** | **830** |
| | | | | |
| 2006 | C | 1 | 0 | 2 |
| | D | 4 | 3 | 10 |
| | I | 2 | 1 | 5 |
| | K | 2 | 0 | 4 |
| | L | 1 | 1 | 15 |
| | M | 4 | 3 | 13 |
| | N | 7 | 4 | 28 |
| | P | 4 | 3 | 22 |
| | Q | 1 | 0 | 2 |
| | R | 58 | 28 | 237 |
| | S | 2 | 1 | 3 |
| | V | 10 | 2 | 64 |
| | W | 1 | 1 | 2 |
| | X | 38 | 17 | 197 |
| | Y | 2 | 2 | 4 |
| **2006 Total** | | **137** | **66** | **608** |
| | | | | |
| 2007 | C | 1 | 1 | 4 |
| | D | 1 | 1 | 2 |
| | I | 0 | 0 | 12 |
| | J | 0 | 0 | 0 |
| | K | 4 | 4 | 63 |
| | L | 1 | 1 | 14 |
| | M | 5 | 4 | 30 |
| | N | 17 | 6 | 66 |
| | P | 4 | 1 | 20 |
| | R | 81 | 48 | 324 |
| | V | 20 | 5 | 109 |
| | W | 6 | 4 | 67 |
| | X | 49 | 38 | 283 |
| | Y | 3 | 2 | 41 |
| **2007 Total** | | **192** | **115** | **1,035** |
| | | | | |
| **Grand Total** | | **471** | **258** | **2,473** |

**Table 11 Admissions by mortality risk group by NHS trust, 2005 - 2007**

| Year | NHS Trust | PIM Group <1% n | <1% % | 1 - <5% n | 1 - <5% % | 5 - <15% n | 5 - <15% % | 15 - <30% n | 15 - <30% % | 30%+ n | 30%+ % | Total n | Total % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **2005** | **A** | 112 | (27) | 217 | (52) | 79 | (19) | 8 | (2) | 4 | (1) | **420** | **(8.1)** |
| | **B** | 73 | (31) | 124 | (53) | 27 | (12) | 6 | (3) | 2 | (1) | **232** | **(4.5)** |
| | **E** | 155 | (10) | 760 | (50) | 445 | (29) | 112 | (7) | 43 | (3) | **1,515** | **(29.3)** |
| | **F** | 45 | (4) | 581 | (52) | 393 | (35) | 79 | (7) | 25 | (2) | **1,123** | **(21.7)** |
| | **H** | 84 | (24) | 172 | (50) | 72 | (21) | 10 | (3) | 9 | (3) | **347** | **(6.7)** |
| | **J** | 28 | (29) | 57 | (59) | 11 | (11) | 0 | (0) | 0 | (0) | **96** | **(1.9)** |
| | **O** | 75 | (12) | 451 | (74) | 70 | (11) | 15 | (2) | 2 | (0) | **613** | **(11.9)** |
| | **T** | 143 | (35) | 182 | (44) | 70 | (17) | 14 | (3) | 4 | (1) | **413** | **(8.0)** |
| | **U** | 12 | (3) | 144 | (35) | 208 | (51) | 34 | (8) | 10 | (2) | **408** | **(7.9)** |
| **2005 Total** | | **727** | **(14.1)** | **2,688** | **(52.0)** | **1,375** | **(26.6)** | **278** | **(5.4)** | **99** | **(1.9)** | **5,167** | |
| **2006** | **A** | 101 | (22) | 234 | (52) | 99 | (22) | 13 | (3) | 2 | (0) | **449** | **(8.6)** |
| | **B** | 63 | (28) | 132 | (58) | 28 | (12) | 2 | (1) | 1 | (0) | **226** | **(4.3)** |
| | **E** | 122 | (8) | 822 | (51) | 513 | (32) | 93 | (6) | 49 | (3) | **1,599** | **(30.7)** |
| | **F** | 59 | (5) | 598 | (55) | 341 | (31) | 68 | (6) | 21 | (2) | **1,087** | **(20.8)** |
| | **H** | 63 | (20) | 177 | (56) | 58 | (18) | 6 | (2) | 11 | (3) | **315** | **(6.0)** |
| | **J** | 21 | (28) | 37 | (50) | 14 | (19) | 1 | (1) | 1 | (1) | **74** | **(1.4)** |
| | **O** | 56 | (9) | 510 | (78) | 74 | (11) | 13 | (2) | 3 | (0) | **656** | **(12.6)** |
| | **T** | 127 | (29) | 204 | (46) | 93 | (21) | 13 | (3) | 5 | (1) | **442** | **(8.5)** |
| | **U** | 12 | (3) | 115 | (31) | 180 | (49) | 46 | (13) | 14 | (4) | **367** | **(7.0)** |
| **2006 Total** | | **624** | **(12.0)** | **2,829** | **(54.2)** | **1,400** | **(26.8)** | **255** | **(4.9)** | **107** | **(2.1)** | **5,215** | |
| **2007** | **A** | 119 | (23) | 259 | (51) | 109 | (21) | 14 | (3) | 11 | (2) | **512** | **(9.5)** |
| | **B** | 40 | (23) | 107 | (63) | 22 | (13) | 1 | (1) | 1 | (1) | **171** | **(3.2)** |
| | **E** | 150 | (11) | 758 | (55) | 352 | (25) | 93 | (7) | 30 | (2) | **1,383** | **(25.6)** |
| | **F** | 54 | (5) | 621 | (53) | 406 | (34) | 65 | (6) | 34 | (3) | **1,180** | **(21.8)** |
| | **H** | 81 | (28) | 132 | (45) | 63 | (22) | 11 | (4) | 5 | (2) | **292** | **(5.4)** |
| | **J** | 38 | (32) | 65 | (55) | 13 | (11) | 3 | (3) | 0 | (0) | **119** | **(2.2)** |
| | **O** | 74 | (12) | 469 | (74) | 78 | (12) | 9 | (1) | 8 | (1) | **638** | **(11.8)** |
| | **T** | 107 | (28) | 177 | (46) | 73 | (19) | 18 | (5) | 10 | (3) | **385** | **(7.1)** |
| | **U** | 12 | (3) | 99 | (27) | 208 | (57) | 32 | (9) | 16 | (4) | **367** | **(6.8)** |
| | **Z** | 69 | (19) | 255 | (71) | 27 | (8) | 3 | (1) | 3 | (1) | **357** | **(6.6)** |
| **2007 Total** | | **744** | **(13.8)** | **2,942** | **(54.4)** | **1,351** | **(25.0)** | **249** | **(4.6)** | **118** | **(2.2)** | **5,404** | |
| **Grand Total** | | **2,095** | **(13.3)** | **8,459** | **(53.6)** | **4,126** | **(26.1)** | **782** | **(5.0)** | **324** | **(2.1)** | **15,786** | |

**Table 12 Admissions by admission type and age, 2005 - 2007**

| Admission Type | Age Group (Years) <1 n | <1 % | 1-4 n | 1-4 % | 5-10 n | 5-10 % | 11-15 n | 11-15 % | Total n | Total % |
|---|---|---|---|---|---|---|---|---|---|---|
| **Planned - following surgery** | 2,326 | (44) | 1,544 | (29) | 748 | (14) | 640 | (12) | **5,258** | **(33.3)** |
| **Unplanned - following surgery** | 433 | (54) | 159 | (20) | 121 | (15) | 90 | (11) | **803** | **(5.1)** |
| **Planned - other** | 689 | (60) | 218 | (19) | 122 | (11) | 118 | (10) | **1,147** | **(7.3)** |
| **Unplanned - other** | 4,241 | (50) | 2,237 | (26) | 1,099 | (13) | 985 | (12) | **8,562** | **(54.2)** |
| **Unknown** | 7 | (44) | 4 | (25) | 3 | (19) | 2 | (13) | **16** | **(0.1)** |
| **Total** | **7,696** | **(48.8)** | **4,162** | **(26.4)** | **2,093** | **(13.3)** | **1,835** | **(11.6)** | **15,786** | |

**Figure 12 Admissions by admission type, 2005 - 2007**

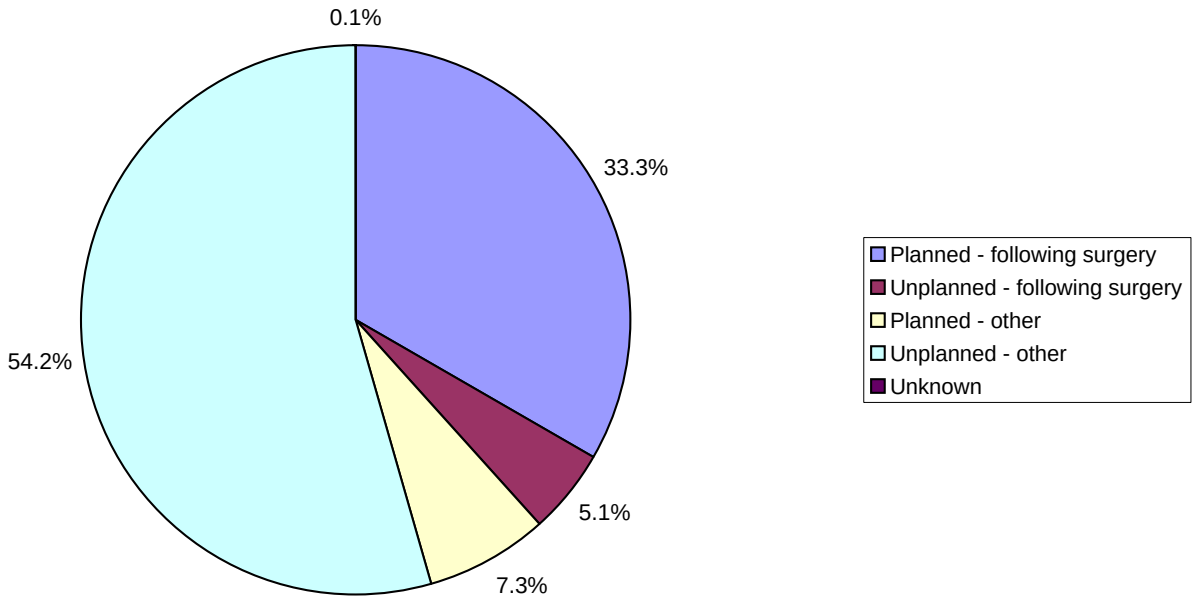


**Table 13 Admissions by admission type by NHS trust, 2005 - 2007**

| Year | NHS Trust | Admission Type | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Planned - following surgery | | Unplanned - following surgery | | Planned - other | | Unplanned - other | | Unknown | | Total | |
| | | n | % | n | % | n | % | n | % | n | % | n | % |
| **2005** | **A** | 129 | (31) | 35 | (8) | 11 | (3) | 245 | (58) | 0 | (0) | **420** | **(8.1)** |
| | **B** | 74 | (32) | 19 | (8) | 13 | (6) | 126 | (54) | 0 | (0) | **232** | **(4.5)** |
| | **E** | 473 | (31) | 54 | (4) | 138 | (9) | 850 | (56) | 0 | (0) | **1,515** | **(29.3)** |
| | **F** | 366 | (33) | 79 | (7) | 23 | (2) | 655 | (58) | 0 | (0) | **1,123** | **(21.7)** |
| | **H** | 102 | (29) | 24 | (7) | 68 | (20) | 153 | (44) | 0 | (0) | **347** | **(6.7)** |
| | **J** | 32 | (33) | 7 | (7) | 9 | (9) | 48 | (50) | 0 | (0) | **96** | **(1.9)** |
| | **O** | 380 | (62) | 5 | (1) | 84 | (14) | 135 | (22) | 9 | (1) | **613** | **(11.9)** |
| | **T** | 165 | (40) | 21 | (5) | 14 | (3) | 213 | (52) | 0 | (0) | **413** | **(8.0)** |
| | **U** | 14 | (3) | 7 | (2) | 5 | (1) | 380 | (93) | 2 | (0) | **408** | **(7.9)** |
| **2005 Total** | | **1,735** | **(33.6)** | **251** | **(4.9)** | **365** | **(7.1)** | **2,805** | **(54.3)** | **11** | **(0.2)** | 5,167 | |
| **2006** | **A** | 132 | (29) | 44 | (10) | 13 | (3) | 260 | (58) | 0 | (0) | **449** | **(8.6)** |
| | **B** | 64 | (28) | 40 | (18) | 11 | (5) | 111 | (49) | 0 | (0) | **226** | **(4.3)** |
| | **E** | 481 | (30) | 95 | (6) | 95 | (6) | 928 | (58) | 0 | (0) | **1,599** | **(30.7)** |
| | **F** | 392 | (36) | 59 | (5) | 25 | (2) | 611 | (56) | 0 | (0) | **1,087** | **(20.8)** |
| | **H** | 100 | (32) | 16 | (5) | 73 | (23) | 126 | (40) | 0 | (0) | **315** | **(6.0)** |
| | **J** | 20 | (27) | 16 | (22) | 2 | (3) | 36 | (49) | 0 | (0) | **74** | **(1.4)** |
| | **O** | 423 | (64) | 3 | (0) | 115 | (18) | 115 | (18) | 0 | (0) | **656** | **(12.6)** |
| | **T** | 152 | (34) | 17 | (4) | 10 | (2) | 263 | (60) | 0 | (0) | **442** | **(8.5)** |
| | **U** | 22 | (6) | 8 | (2) | 4 | (1) | 333 | (91) | 0 | (0) | **367** | **(7.0)** |
| **2006 Total** | | **1,786** | **(34.2)** | **298** | **(5.7)** | **348** | **(6.7)** | **2,783** | **(53.4)** | **0** | **(0.0)** | 5,215 | |
| **2007** | **A** | 110 | (21) | 37 | (7) | 28 | (5) | 337 | (66) | 0 | (0) | **512** | **(9.5)** |
| | **B** | 41 | (24) | 21 | (12) | 9 | (5) | 100 | (58) | 0 | (0) | **171** | **(3.2)** |
| | **E** | 523 | (38) | 39 | (3) | 94 | (7) | 727 | (53) | 0 | (0) | **1,383** | **(25.6)** |
| | **F** | 386 | (33) | 68 | (6) | 39 | (3) | 687 | (58) | 0 | (0) | **1,180** | **(21.8)** |
| | **H** | 87 | (30) | 11 | (4) | 61 | (21) | 133 | (46) | 0 | (0) | **292** | **(5.4)** |
| | **J** | 38 | (32) | 14 | (12) | 1 | (1) | 66 | (55) | 0 | (0) | **119** | **(2.2)** |
| | **O** | 366 | (57) | 2 | (0) | 155 | (24) | 115 | (18) | 0 | (0) | **638** | **(11.8)** |
| | **T** | 121 | (31) | 30 | (8) | 13 | (3) | 221 | (57) | 0 | (0) | **385** | **(7.1)** |
| | **U** | 19 | (5) | 11 | (3) | 6 | (2) | 331 | (90) | 0 | (0) | **367** | **(6.8)** |
| | **Z** | 46 | (13) | 21 | (6) | 28 | (8) | 257 | (72) | 5 | (1) | **357** | **(6.6)** |
| **2007 Total** | | **1,737** | **(32.1)** | **254** | **(4.7)** | **434** | **(8.0)** | **2,974** | **(55.0)** | **5** | **(0.1)** | 5,404 | |
| **Grand Total** | | **5,258** | **(33.3)** | **803** | **(5.1)** | **1,147** | **(7.3)** | **8,562** | **(54.2)** | **16** | **(0.1)** | 15,786 | |

**Table 14 Admissions by source of admission (admission type 'unplanned - other') by NHS trust, 2005 - 2007**

| Year | NHS Trust | Admission Source: Same hospital n | Same hospital % | Other hospital n | Other hospital % | Clinic n | Clinic % | Home n | Home % | Unknown n | Unknown % | Total n | Total % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **2005** | **A** | 119 | (49) | 126 | (51) | 0 | (0) | 0 | (0) | 0 | (0) | **245** | **(8.7)** |
| | **B** | 114 | (90) | 8 | (6) | 0 | (0) | 4 | (3) | 0 | (0) | **126** | **(4.5)** |
| | **E** | 208 | (24) | 634 | (75) | 0 | (0) | 8 | (1) | 0 | (0) | **850** | **(30.3)** |
| | **F** | 105 | (16) | 550 | (84) | 0 | (0) | 0 | (0) | 0 | (0) | **655** | **(23.4)** |
| | **H** | 78 | (51) | 75 | (49) | 0 | (0) | 0 | (0) | 0 | (0) | **153** | **(5.5)** |
| | **J** | 48 | (100) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | **48** | **(1.7)** |
| | **O** | 64 | (47) | 65 | (48) | 1 | (1) | 3 | (2) | 2 | (1) | **135** | **(4.8)** |
| | **T** | 98 | (46) | 113 | (53) | 0 | (0) | 2 | (1) | 0 | (0) | **213** | **(7.6)** |
| | **U** | 74 | (19) | 303 | (80) | 0 | (0) | 0 | (0) | 3 | (1) | **380** | **(13.5)** |
| **2005 Total** | | **908** | **(32.4)** | **1,874** | **(66.8)** | **1** | **(0.0)** | **17** | **###** | **5** | **(0.2)** | **2,805** | |
| **2006** | **A** | 131 | (50) | 129 | (50) | 0 | (0) | 0 | (0) | 0 | (0) | **260** | **(9.3)** |
| | **B** | 100 | (90) | 8 | (7) | 0 | (0) | 3 | (3) | 0 | (0) | **111** | **(4.0)** |
| | **E** | 241 | (26) | 676 | (73) | 0 | (0) | 11 | (1) | 0 | (0) | **928** | **(33.3)** |
| | **F** | 149 | (24) | 462 | (76) | 0 | (0) | 0 | (0) | 0 | (0) | **611** | **(22.0)** |
| | **H** | 78 | (62) | 48 | (38) | 0 | (0) | 0 | (0) | 0 | (0) | **126** | **(4.5)** |
| | **J** | 34 | (94) | 2 | (6) | 0 | (0) | 0 | (0) | 0 | (0) | **36** | **(1.3)** |
| | **O** | 50 | (43) | 63 | (55) | 1 | (1) | 1 | (1) | 0 | (0) | **115** | **(4.1)** |
| | **T** | 130 | (49) | 131 | (50) | 0 | (0) | 2 | (1) | 0 | (0) | **263** | **(9.5)** |
| | **U** | 63 | (19) | 270 | (81) | 0 | (0) | 0 | (0) | 0 | (0) | **333** | **(12.0)** |
| **2006 Total** | | **976** | **(35.1)** | **1,789** | **(64.3)** | **1** | **(0.0)** | **17** | **###** | **0** | **(0.0)** | **2,783** | |
| **2007** | **A** | 160 | (47) | 176 | (52) | 0 | (0) | 1 | (0) | 0 | (0) | **337** | **(11.3)** |
| | **B** | 87 | (87) | 10 | (10) | 0 | (0) | 3 | (3) | 0 | (0) | **100** | **(3.4)** |
| | **E** | 207 | (28) | 510 | (70) | 0 | (0) | 10 | (1) | 0 | (0) | **727** | **(24.4)** |
| | **F** | 137 | (20) | 550 | (80) | 0 | (0) | 0 | (0) | 0 | (0) | **687** | **(23.1)** |
| | **H** | 76 | (57) | 57 | (43) | 0 | (0) | 0 | (0) | 0 | (0) | **133** | **(4.5)** |
| | **J** | 66 | (100) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | **66** | **(2.2)** |
| | **O** | 35 | (30) | 78 | (68) | 0 | (0) | 2 | (2) | 0 | (0) | **115** | **(3.9)** |
| | **T** | 93 | (42) | 125 | (57) | 1 | (0) | 2 | (1) | 0 | (0) | **221** | **(7.4)** |
| | **U** | 57 | (17) | 274 | (83) | 0 | (0) | 0 | (0) | 0 | (0) | **331** | **(11.1)** |
| | **Z** | 220 | (86) | 29 | (11) | 0 | (0) | 8 | (3) | 0 | (0) | **257** | **(8.6)** |
| **2007 Total** | | **1,138** | **(38.3)** | **1,809** | **(60.8)** | **1** | **(0.0)** | **26** | **###** | **0** | **(0.0)** | **2,974** | |
| **Grand Total** | | **3,022** | **(35.3)** | **5,472** | **(63.9)** | **3** | **(0.0)** | **60** | **###** | **5** | **(0.1)** | **8,562** | |

**Table 15 Admissions by care area admitted from (admission type 'unplanned - other'; admitted from hospital) by NHS trust, 2005 - 2007**

| Year | NHS Trust | Care Area: Accident & emergency | | HDU (step-up/step-down unit) | | ICU / PICU / NICU | | Other intermediate care area (not ICU / PICU / NICU) | | Recovery only | | Theatre and recovery | | Ward | | X-ray, endoscopy, CT scanner or similar | | Unknown | | Total | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % |
| **2005** | **A** | 77 | (31) | 1 | (0) | 15 | (6) | 2 | (1) | 0 | (0) | 3 | (1) | 62 | (25) | 1 | (0) | 84 | (34) | **245** | **(8.8)** |
| | **B** | 79 | (65) | 0 | (0) | 1 | (1) | 0 | (0) | 0 | (0) | 4 | (3) | 37 | (30) | 1 | (1) | 0 | (0) | **122** | **(4.4)** |
| | **E** | 214 | (25) | 18 | (2) | 283 | (34) | 45 | (5) | 1 | (0) | 4 | (0) | 262 | (31) | 15 | (2) | 0 | (0) | **842** | **(30.3)** |
| | **F** | 10 | (2) | 16 | (2) | 108 | (16) | 0 | (0) | 0 | (0) | 27 | (4) | 253 | (39) | 6 | (1) | 235 | (36) | **655** | **(23.5)** |
| | **H** | 57 | (37) | 3 | (2) | 6 | (4) | 13 | (8) | 0 | (0) | 1 | (1) | 68 | (44) | 5 | (3) | 0 | (0) | **153** | **(5.5)** |
| | **J** | 30 | (63) | 2 | (4) | 0 | (0) | 1 | (2) | 0 | (0) | 2 | (4) | 11 | (23) | 2 | (4) | 0 | (0) | **48** | **(1.7)** |
| | **O** | 15 | (12) | 4 | (3) | 33 | (26) | 3 | (2) | 3 | (2) | 5 | (4) | 46 | (36) | 8 | (6) | 12 | (9) | **129** | **(4.6)** |
| | **T** | 69 | (33) | 0 | (0) | 5 | (2) | 7 | (3) | 0 | (0) | 15 | (7) | 91 | (43) | 0 | (0) | 24 | (11) | **211** | **(7.6)** |
| | **U** | 169 | (45) | 12 | (3) | 18 | (5) | 1 | (0) | 1 | (0) | 17 | (5) | 106 | (28) | 0 | (0) | 53 | (14) | **377** | **(13.6)** |
| **2005 Total** | | **720** | **(25.9)** | **56** | **(2.0)** | **469** | **(16.9)** | **72** | **(2.6)** | **5** | **(0.2)** | **78** | **(2.8)** | **936** | **(33.6)** | **38** | **(1.4)** | **408** | **(14.7)** | **2,782** | |
| **2006** | **A** | 60 | (23) | 0 | (0) | 19 | (7) | 2 | (1) | 0 | (0) | 2 | (1) | 173 | (67) | 0 | (0) | 4 | (2) | **260** | **(9.4)** |
| | **B** | 58 | (54) | 0 | (0) | 1 | (1) | 0 | (0) | 0 | (0) | 0 | (0) | 47 | (44) | 2 | (2) | 0 | (0) | **108** | **(3.9)** |
| | **E** | 213 | (23) | 16 | (2) | 336 | (37) | 63 | (7) | 0 | (0) | 19 | (2) | 261 | (28) | 9 | (1) | 0 | (0) | **917** | **(33.2)** |
| | **F** | 24 | (4) | 15 | (2) | 76 | (12) | 1 | (0) | 0 | (0) | 19 | (3) | 286 | (47) | 4 | (1) | 186 | (30) | **611** | **(22.1)** |
| | **H** | 49 | (39) | 1 | (1) | 1 | (1) | 8 | (6) | 1 | (1) | 1 | (1) | 62 | (49) | 3 | (2) | 0 | (0) | **126** | **(4.6)** |
| | **J** | 19 | (53) | 1 | (3) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 16 | (44) | 0 | (0) | 0 | (0) | **36** | **(1.3)** |
| | **O** | 6 | (5) | 5 | (4) | 10 | (9) | 39 | (35) | 1 | (1) | 6 | (5) | 42 | (37) | 4 | (4) | 0 | (0) | **113** | **(4.1)** |
| | **T** | 72 | (28) | 2 | (1) | 3 | (1) | 2 | (1) | 1 | (0) | 8 | (3) | 110 | (42) | 0 | (0) | 63 | (24) | **261** | **(9.4)** |
| | **U** | 198 | (59) | 13 | (4) | 15 | (5) | 0 | (0) | 0 | (0) | 13 | (4) | 94 | (28) | 0 | (0) | 0 | (0) | **333** | **(12.0)** |
| **2006 Total** | | **699** | **(25.3)** | **53** | **(1.9)** | **461** | **(16.7)** | **115** | **(4.2)** | **3** | **(0.1)** | **68** | **(2.5)** | **1,091** | **(39.5)** | **22** | **(0.8)** | **253** | **(9.2)** | **2,765** | |
| **2007** | **A** | 80 | (24) | 0 | (0) | 13 | (4) | 2 | (1) | 0 | (0) | 1 | (0) | 239 | (71) | 1 | (0) | 0 | (0) | **336** | **(11.4)** |
| | **B** | 42 | (43) | 2 | (2) | 2 | (2) | 1 | (1) | 0 | (0) | 2 | (2) | 48 | (49) | 0 | (0) | 0 | (0) | **97** | **(3.3)** |
| | **E** | 143 | (20) | 29 | (4) | 277 | (39) | 36 | (5) | 0 | (0) | 5 | (1) | 215 | (30) | 12 | (2) | 0 | (0) | **717** | **(24.3)** |
| | **F** | 26 | (4) | 23 | (3) | 73 | (11) | 0 | (0) | 0 | (0) | 27 | (4) | 303 | (44) | 7 | (1) | 228 | (33) | **687** | **(23.3)** |
| | **H** | 46 | (35) | 3 | (2) | 5 | (4) | 5 | (4) | 0 | (0) | 5 | (4) | 67 | (50) | 2 | (2) | 0 | (0) | **133** | **(4.5)** |
| | **J** | 42 | (64) | 1 | (2) | 0 | (0) | 2 | (3) | 0 | (0) | 4 | (6) | 17 | (26) | 0 | (0) | 0 | (0) | **66** | **(2.2)** |
| | **O** | 12 | (11) | 1 | (1) | 21 | (19) | 34 | (30) | 1 | (1) | 3 | (3) | 41 | (36) | 0 | (0) | 0 | (0) | **113** | **(3.8)** |
| | **T** | 77 | (35) | 2 | (1) | 4 | (2) | 1 | (0) | 2 | (1) | 8 | (4) | 83 | (38) | 0 | (0) | 41 | (19) | **218** | **(7.4)** |
| | **U** | 152 | (46) | 15 | (5) | 17 | (5) | 0 | (0) | 0 | (0) | 15 | (5) | 131 | (40) | 0 | (0) | 1 | (0) | **331** | **(11.2)** |
| | **Z** | 129 | (52) | 1 | (0) | 5 | (2) | 3 | (1) | 0 | (0) | 8 | (3) | 101 | (41) | 1 | (0) | 1 | (0) | **249** | **(8.4)** |
| **2007 Total** | | **749** | **(25.4)** | **77** | **(2.6)** | **417** | **(14.1)** | **84** | **(2.9)** | **3** | **(0.1)** | **78** | **(2.6)** | **1,245** | **(42.2)** | **23** | **(0.8)** | **271** | **(9.2)** | **2,947** | |
| **Grand Total** | | **2,168** | **(25.5)** | **186** | **(2.2)** | **1,347** | **(15.9)** | **271** | **(3.2)** | **11** | **(0.1)** | **224** | **(2.6)** | **3,272** | **(38.5)** | **83** | **(1.0)** | **932** | **(11.0)** | **8,494** | |

**Table 16 Admissions by primary diagnostic group and age, 2005 - 2007**

| Diagnostic Group | Age Group (Years) <1 n | <1 % | 1-4 n | 1-4 % | 5-10 n | 5-10 % | 11-15 n | 11-15 % | Total n | Total % |
|---|---|---|---|---|---|---|---|---|---|---|
| **Blood / lymphatic** | 54 | (29) | 41 | (22) | 52 | (28) | 37 | (20) | **184** | **(1.2)** |
| **Body wall and cavities** | 232 | (87) | 25 | (9) | 9 | (3) | 0 | (0) | **266** | **(1.7)** |
| **Cardiovascular** | 3,252 | (65) | 1,023 | (20) | 442 | (9) | 318 | (6) | **5,035** | **(31.9)** |
| **Endocrine / metabolic** | 151 | (40) | 87 | (23) | 63 | (17) | 78 | (21) | **379** | **(2.4)** |
| **Gastrointestinal** | 574 | (56) | 228 | (22) | 116 | (11) | 106 | (10) | **1,024** | **(6.5)** |
| **Infection** | 264 | (38) | 219 | (32) | 112 | (16) | 93 | (14) | **688** | **(4.4)** |
| **Multisystem** | 27 | (57) | 13 | (28) | 6 | (13) | 1 | (2) | **47** | **(0.3)** |
| **Musculoskeletal** | 30 | (10) | 37 | (12) | 54 | (17) | 192 | (61) | **313** | **(2.0)** |
| **Neurological** | 496 | (29) | 621 | (36) | 341 | (20) | 251 | (15) | **1,709** | **(10.8)** |
| **Oncology** | 81 | (14) | 211 | (36) | 169 | (28) | 133 | (22) | **594** | **(3.8)** |
| **Respiratory** | 2,135 | (52) | 1,259 | (30) | 448 | (11) | 301 | (7) | **4,143** | **(26.2)** |
| **Trauma** | 38 | (8) | 120 | (26) | 136 | (29) | 171 | (37) | **465** | **(2.9)** |
| **Other** | 281 | (34) | 255 | (31) | 139 | (17) | 143 | (17) | **818** | **(5.2)** |
| **Unknown** | 81 | (67) | 23 | (19) | 6 | (5) | 11 | (9) | **121** | **(0.8)** |
| **Total** | **7,696** | **(48.8)** | **4,162** | **(26.4)** | **2,093** | **(13.3)** | **1,835** | **(11.6)** | **15,786** | |

**Figure 16 Admissions by primary diagnostic group, 2005 - 2007**

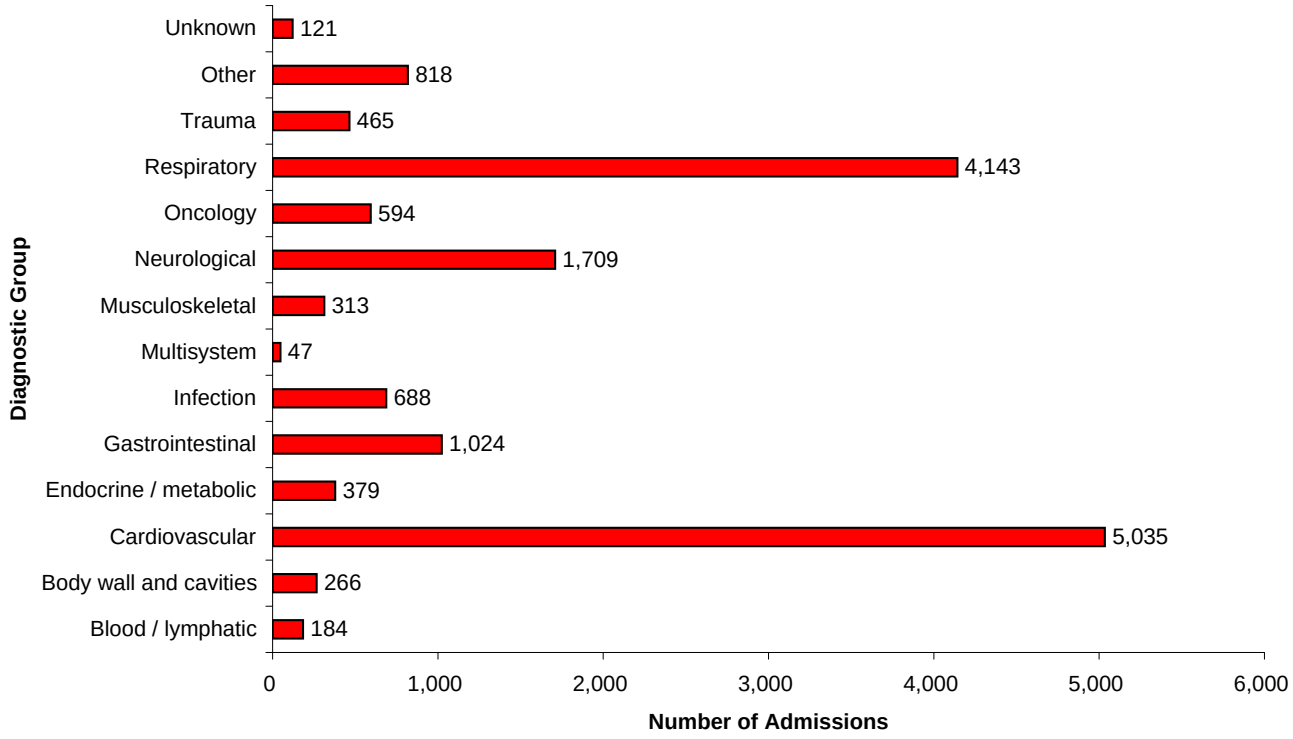


**Table 17 Admissions by primary diagnostic group and age (16+), 2005 - 2007**

| Diagnostic Group | Age Group (Years) 16 | | 17-20 | | 21-25 | | 26+ | | Total | |
|---|---|---|---|---|---|---|---|---|---|---|
| | n | % | n | % | n | % | n | % | n | % |
| **Blood / lymphatic** | 2 | (33) | 4 | (67) | 0 | (0) | 0 | (0) | **6** | **(2.6)** |
| **Cardiovascular** | 39 | (64) | 21 | (34) | 0 | (0) | 1 | (2) | **61** | **(26.0)** |
| **Endocrine / metabolic** | 8 | (80) | 2 | (20) | 0 | (0) | 0 | (0) | **10** | **(4.3)** |
| **Gastrointestinal** | 6 | (55) | 5 | (45) | 0 | (0) | 0 | (0) | **11** | **(4.7)** |
| **Infection** | 5 | (63) | 3 | (38) | 0 | (0) | 0 | (0) | **8** | **(3.4)** |
| **Musculoskeletal** | 29 | (59) | 20 | (41) | 0 | (0) | 0 | (0) | **49** | **(20.9)** |
| **Neurological** | 11 | (92) | 1 | (8) | 0 | (0) | 0 | (0) | **12** | **(5.1)** |
| **Oncology** | 9 | (64) | 5 | (36) | 0 | (0) | 0 | (0) | **14** | **(6.0)** |
| **Respiratory** | 27 | (66) | 14 | (34) | 0 | (0) | 0 | (0) | **41** | **(17.4)** |
| **Trauma** | 3 | (75) | 1 | (25) | 0 | (0) | 0 | (0) | **4** | **(1.7)** |
| **Other** | 10 | (59) | 6 | (35) | 0 | (0) | 1 | (6) | **17** | **(7.2)** |
| **Unknown** | 1 | (50) | 1 | (50) | 0 | (0) | 0 | (0) | **2** | **(0.9)** |
| **Total** | **150** | **(63.8)** | **83** | **(35.3)** | **0** | **(0.0)** | **2** | **(0.9)** | **235** | |

**Figure 17 Admissions by primary diagnostic group, 2005 - 2007**

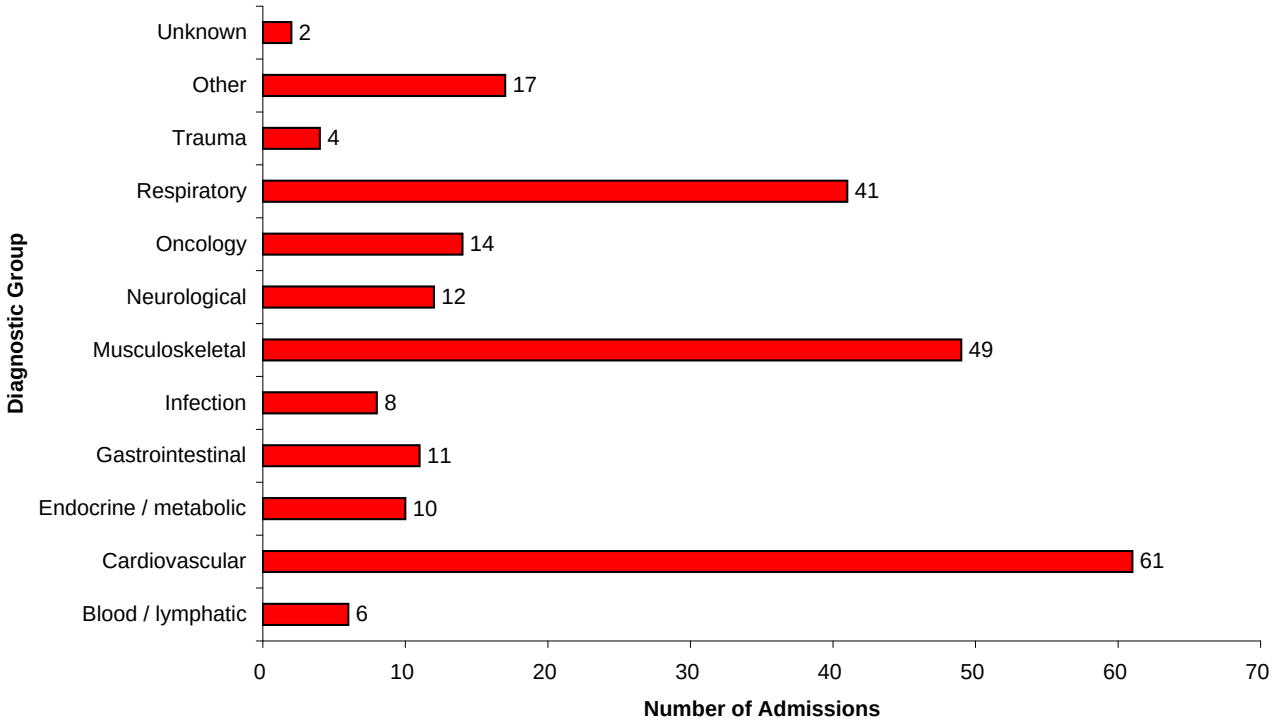


**Table 18 Admissions by primary diagnostic group by NHS trust, 2005 - 2007**

| Year | NHS Trust | Diagnostic Group: Blood / lymphatic | | Body wall and cavities | | Cardiovascular | | Endocrine / metabolic | | Gastrointestinal | | Infection | | Multisystem | | Musculoskeletal | | Neurological | | Oncology | | Respiratory | | Trauma | | Other | | Unknown | | Total | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % |
| 2005 | A | 8 | (2) | 8 | (2) | 9 | (2) | 12 | (3) | 39 | (9) | 15 | (4) | 2 | (0) | 17 | (4) | 88 | (21) | 60 | (14) | 95 | (23) | 28 | (7) | 38 | (9) | 1 | (0) | **420** | **(8.1)** |
| | B | 0 | (0) | 16 | (7) | 5 | (2) | 6 | (3) | 48 | (21) | 20 | (9) | 0 | (0) | 3 | (1) | 33 | (14) | 3 | (1) | 82 | (35) | 6 | (3) | 10 | (4) | 0 | (0) | **232** | **(4.5)** |
| | E | 12 | (1) | 42 | (3) | 549 | (36) | 33 | (2) | 96 | (6) | 55 | (4) | 3 | (0) | 30 | (2) | 159 | (10) | 42 | (3) | 370 | (24) | 64 | (4) | 60 | (4) | 0 | (0) | **1,515** | **(29.3)** |
| | F | 4 | (0) | 12 | (1) | 529 | (47) | 19 | (2) | 12 | (1) | 46 | (4) | 1 | (0) | 27 | (2) | 127 | (11) | 1 | (0) | 276 | (25) | 18 | (2) | 43 | (4) | 8 | (1) | **1,123** | **(21.7)** |
| | H | 9 | (3) | 5 | (1) | 2 | (1) | 13 | (4) | 75 | (22) | 15 | (4) | 0 | (0) | 1 | (0) | 68 | (20) | 12 | (3) | 53 | (15) | 23 | (7) | 70 | (20) | 1 | (0) | **347** | **(6.7)** |
| | J | 2 | (2) | 7 | (7) | 2 | (2) | 1 | (1) | 22 | (23) | 2 | (2) | 0 | (0) | 0 | (0) | 18 | (19) | 1 | (1) | 28 | (29) | 1 | (1) | 9 | (9) | 3 | (3) | **96** | **(1.9)** |
| | O | 0 | (0) | 3 | (0) | 513 | (84) | 1 | (0) | 7 | (1) | 6 | (1) | 0 | (0) | 3 | (0) | 4 | (1) | 3 | (0) | 61 | (10) | 0 | (0) | 6 | (1) | 6 | (1) | **613** | **(11.9)** |
| | T | 11 | (3) | 7 | (2) | 9 | (2) | 7 | (2) | 42 | (10) | 14 | (3) | 3 | (1) | 9 | (2) | 66 | (16) | 69 | (17) | 149 | (36) | 19 | (5) | 8 | (2) | 0 | (0) | **413** | **(8.0)** |
| | U | 13 | (3) | 0 | (0) | 13 | (3) | 12 | (3) | 13 | (3) | 45 | (11) | 0 | (0) | 0 | (0) | 85 | (21) | 0 | (0) | 198 | (49) | 3 | (1) | 18 | (4) | 8 | (2) | **408** | **(7.9)** |
| **2005 Total** | | **59** | **(1.1)** | **100** | **(1.9)** | **1,631** | **(31.6)** | **104** | **(2.0)** | **354** | **(6.9)** | **218** | **(4.2)** | **9** | **(0.2)** | **90** | **(1.7)** | **648** | **(12.5)** | **191** | **(3.7)** | **1,312** | **(25.4)** | **162** | **(3.1)** | **262** | **(5.1)** | **27** | **(0.5)** | **5,167** | |
| 2006 | A | 7 | (2) | 6 | (1) | 16 | (4) | 13 | (3) | 40 | (9) | 22 | (5) | 16 | (4) | 23 | (5) | 80 | (18) | 82 | (18) | 95 | (21) | 23 | (5) | 26 | (6) | 0 | (0) | **449** | **(8.6)** |
| | B | 2 | (1) | 5 | (2) | 7 | (3) | 11 | (5) | 39 | (17) | 14 | (6) | 2 | (1) | 2 | (1) | 30 | (13) | 2 | (1) | 73 | (32) | 8 | (4) | 31 | (14) | 0 | (0) | **226** | **(4.3)** |
| | E | 13 | (1) | 52 | (3) | 629 | (39) | 53 | (3) | 112 | (7) | 56 | (4) | 5 | (0) | 30 | (2) | 122 | (8) | 39 | (2) | 366 | (23) | 51 | (3) | 71 | (4) | 0 | (0) | **1,599** | **(30.7)** |
| | F | 3 | (0) | 4 | (0) | 488 | (45) | 22 | (2) | 18 | (2) | 55 | (5) | 1 | (0) | 39 | (4) | 97 | (9) | 2 | (0) | 291 | (27) | 14 | (1) | 35 | (3) | 18 | (2) | **1,087** | **(20.8)** |
| | H | 9 | (3) | 8 | (3) | 6 | (2) | 10 | (3) | 56 | (18) | 17 | (5) | 0 | (0) | 2 | (1) | 47 | (15) | 13 | (4) | 54 | (17) | 27 | (9) | 66 | (21) | 0 | (0) | **315** | **(6.0)** |
| | J | 2 | (3) | 7 | (9) | 2 | (3) | 1 | (1) | 23 | (31) | 3 | (4) | 0 | (0) | 0 | (0) | 5 | (7) | 3 | (4) | 22 | (30) | 2 | (3) | 4 | (5) | 0 | (0) | **74** | **(1.4)** |
| | O | 0 | (0) | 3 | (0) | 537 | (82) | 1 | (0) | 18 | (3) | 9 | (1) | 0 | (0) | 8 | (1) | 0 | (0) | 9 | (1) | 63 | (10) | 0 | (0) | 2 | (0) | 6 | (1) | **656** | **(12.6)** |
| | T | 2 | (0) | 3 | (1) | 9 | (2) | 10 | (2) | 52 | (12) | 28 | (6) | 0 | (0) | 6 | (1) | 64 | (14) | 70 | (16) | 163 | (37) | 16 | (4) | 19 | (4) | 0 | (0) | **442** | **(8.5)** |
| | U | 9 | (2) | 1 | (0) | 24 | (7) | 12 | (3) | 12 | (3) | 35 | (10) | 0 | (0) | 0 | (0) | 101 | (28) | 1 | (0) | 156 | (43) | 2 | (1) | 7 | (2) | 7 | (2) | **367** | **(7.0)** |
| **2006 Total** | | **47** | **(0.9)** | **89** | **(1.7)** | **1,718** | **(32.9)** | **133** | **(2.6)** | **370** | **(7.1)** | **239** | **(4.6)** | **24** | **(0.5)** | **110** | **(2.1)** | **546** | **(10.5)** | **221** | **(4.2)** | **1,283** | **(24.6)** | **143** | **(2.7)** | **261** | **(5.0)** | **31** | **(0.6)** | **5,215** | |
| 2007 | A | 13 | (3) | 10 | (2) | 20 | (4) | 16 | (3) | 30 | (6) | 31 | (6) | 6 | (1) | 28 | (5) | 106 | (21) | 71 | (14) | 118 | (23) | 29 | (6) | 34 | (7) | 0 | (0) | **512** | **(9.5)** |
| | B | 2 | (1) | 7 | (4) | 5 | (3) | 10 | (6) | 25 | (15) | 9 | (5) | 1 | (1) | 2 | (1) | 18 | (11) | 2 | (1) | 69 | (40) | 7 | (4) | 12 | (7) | 2 | (1) | **171** | **(3.2)** |
| | E | 5 | (0) | 42 | (3) | 629 | (45) | 37 | (3) | 82 | (6) | 40 | (3) | 6 | (0) | 27 | (2) | 85 | (6) | 39 | (3) | 312 | (23) | 45 | (3) | 34 | (2) | 0 | (0) | **1,383** | **(25.6)** |
| | F | 5 | (0) | 3 | (0) | 485 | (41) | 24 | (2) | 18 | (2) | 54 | (5) | 1 | (0) | 39 | (3) | 100 | (8) | 3 | (0) | 357 | (30) | 15 | (1) | 45 | (4) | 31 | (3) | **1,180** | **(21.8)** |
| | H | 5 | (2) | 3 | (1) | 8 | (3) | 6 | (2) | 42 | (14) | 9 | (3) | 0 | (0) | 3 | (1) | 35 | (12) | 9 | (3) | 46 | (16) | 16 | (5) | 106 | (36) | 4 | (1) | **292** | **(5.4)** |
| | J | 4 | (3) | 6 | (5) | 3 | (3) | 6 | (5) | 31 | (26) | 4 | (3) | 0 | (0) | 0 | (0) | 10 | (8) | 1 | (1) | 41 | (34) | 1 | (1) | 12 | (10) | 0 | (0) | **119** | **(2.2)** |
| | O | 1 | (0) | 0 | (0) | 503 | (79) | 3 | (0) | 5 | (1) | 2 | (0) | 0 | (0) | 6 | (1) | 1 | (0) | 5 | (1) | 103 | (16) | 0 | (0) | 2 | (0) | 7 | (1) | **638** | **(11.8)** |
| | T | 6 | (2) | 2 | (1) | 7 | (2) | 6 | (2) | 43 | (11) | 25 | (6) | 0 | (0) | 6 | (2) | 54 | (14) | 51 | (13) | 146 | (38) | 14 | (4) | 23 | (6) | 2 | (1) | **385** | **(7.1)** |
| | U | 15 | (4) | 1 | (0) | 15 | (4) | 18 | (5) | 12 | (3) | 30 | (8) | 0 | (0) | 1 | (0) | 80 | (22) | 0 | (0) | 165 | (45) | 2 | (1) | 11 | (3) | 17 | (5) | **367** | **(6.8)** |
| | Z | 22 | (6) | 3 | (1) | 11 | (3) | 16 | (4) | 12 | (3) | 27 | (8) | 0 | (0) | 1 | (0) | 26 | (7) | 1 | (0) | 191 | (54) | 31 | (9) | 16 | (4) | 0 | (0) | **357** | **(6.6)** |
| **2007 Total** | | **78** | **(1.4)** | **77** | **(1.4)** | **1,686** | **(31.2)** | **142** | **(2.6)** | **300** | **(5.6)** | **231** | **(4.3)** | **14** | **(0.3)** | **113** | **(2.1)** | **515** | **(9.5)** | **182** | **(3.4)** | **1,548** | **(28.6)** | **160** | **(3.0)** | **295** | **(5.5)** | **63** | **(1.2)** | **5,404** | |
| **Grand Total** | | **184** | **(1.2)** | **266** | **(1.7)** | **5,035** | **(31.9)** | **379** | **(2.4)** | **1,024** | **(6.5)** | **688** | **(4.4)** | **47** | **(0.3)** | **313** | **(2.0)** | **1,709** | **(10.8)** | **594** | **(3.8)** | **4,143** | **(26.2)** | **465** | **(2.9)** | **818** | **(5.2)** | **121** | **(0.8)** | **15,786** | |

**Table 19 Admissions by primary diagnostic group (planned - following surgery) by NHS trust, 2005 - 2007**

| Year | NHS Trust | Diagnostic Group: Blood / lymphatic | | Body wall and cavities | | Cardiovascular | | Endocrine / metabolic | | Gastrointestinal | | Infection | | Multisystem | | Musculoskeletal | | Neurological | | Oncology | | Respiratory | | Trauma | | Other | | Unknown | | Total | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % |
| 2005 | A | 2 | (2) | 4 | (3) | 1 | (1) | 0 | (0) | 14 | (11) | 2 | (2) | 0 | (0) | 13 | (10) | 17 | (13) | 38 | (29) | 19 | (15) | 1 | (1) | 18 | (14) | 0 | (0) | **129** | **(7.4)** |
| | B | 0 | (0) | 9 | (12) | 1 | (1) | 1 | (1) | 32 | (43) | 2 | (3) | 0 | (0) | 2 | (3) | 1 | (1) | 1 | (1) | 19 | (26) | 0 | (0) | 6 | (8) | 0 | (0) | **74** | **(4.3)** |
| | E | 2 | (0) | 6 | (1) | 330 | (70) | 0 | (0) | 24 | (5) | 4 | (1) | 2 | (0) | 22 | (5) | 18 | (4) | 14 | (3) | 37 | (8) | 0 | (0) | 14 | (3) | 0 | (0) | **473** | **(27.3)** |
| | F | 0 | (0) | 3 | (1) | 295 | (81) | 0 | (0) | 7 | (2) | 1 | (0) | 0 | (0) | 26 | (7) | 0 | (0) | 0 | (0) | 18 | (5) | 0 | (0) | 14 | (4) | 2 | (1) | **366** | **(21.1)** |
| | H | 0 | (0) | 2 | (2) | 1 | (1) | 1 | (1) | 45 | (44) | 3 | (3) | 0 | (0) | 0 | (0) | 8 | (8) | 7 | (7) | 4 | (4) | 0 | (0) | 31 | (30) | 0 | (0) | **102** | **(5.9)** |
| | J | 1 | (3) | 1 | (3) | 0 | (0) | 0 | (0) | 15 | (47) | 1 | (3) | 0 | (0) | 0 | (0) | 2 | (6) | 0 | (0) | 4 | (13) | 0 | (0) | 5 | (16) | 3 | (9) | **32** | **(1.8)** |
| | O | 0 | (0) | 2 | (1) | 349 | (92) | 1 | (0) | 6 | (2) | 2 | (1) | 0 | (0) | 2 | (1) | 1 | (0) | 2 | (1) | 11 | (3) | 0 | (0) | 1 | (0) | 3 | (1) | **380** | **(21.9)** |
| | T | 7 | (4) | 7 | (4) | 1 | (1) | 0 | (0) | 25 | (15) | 4 | (2) | 3 | (2) | 8 | (5) | 18 | (11) | 46 | (28) | 38 | (23) | 5 | (3) | 3 | (2) | 0 | (0) | **165** | **(9.5)** |
| | U | 3 | (21) | 0 | (0) | 1 | (7) | 0 | (0) | 4 | (29) | 1 | (7) | 0 | (0) | 0 | (0) | 1 | (7) | 0 | (0) | 4 | (29) | 0 | (0) | 0 | (0) | 0 | (0) | **14** | **(0.8)** |
| **2005 Total** | | **15** | **(0.9)** | **34** | **(2.0)** | **979** | **(56.4)** | **3** | **(0.2)** | **172** | **(9.9)** | **20** | **(1.2)** | **5** | **(0.3)** | **73** | **(4.2)** | **66** | **(3.8)** | **108** | **(6.2)** | **154** | **(8.9)** | **6** | **(0.3)** | **92** | **(5.3)** | **8** | **(0.5)** | **1,735** | |
| 2006 | A | 1 | (1) | 2 | (2) | 1 | (1) | 2 | (2) | 13 | (10) | 2 | (2) | 4 | (3) | 16 | (12) | 17 | (13) | 51 | (39) | 11 | (8) | 4 | (3) | 8 | (6) | 0 | (0) | **132** | **(7.4)** |
| | B | 0 | (0) | 2 | (3) | 1 | (2) | 1 | (2) | 21 | (33) | 5 | (8) | 0 | (0) | 0 | (0) | 1 | (2) | 0 | (0) | 14 | (22) | 4 | (6) | 15 | (23) | 0 | (0) | **64** | **(3.6)** |
| | E | 0 | (0) | 8 | (2) | 366 | (76) | 2 | (0) | 23 | (5) | 0 | (0) | 0 | (0) | 21 | (4) | 6 | (1) | 12 | (2) | 34 | (7) | 1 | (0) | 8 | (2) | 0 | (0) | **481** | **(26.9)** |
| | F | 0 | (0) | 0 | (0) | 308 | (79) | 0 | (0) | 5 | (1) | 0 | (0) | 0 | (0) | 37 | (9) | 0 | (0) | 1 | (0) | 22 | (6) | 1 | (0) | 4 | (1) | 14 | (4) | **392** | **(21.9)** |
| | H | 2 | (2) | 5 | (5) | 3 | (3) | 1 | (1) | 23 | (23) | 2 | (2) | 0 | (0) | 1 | (1) | 6 | (6) | 9 | (9) | 5 | (5) | 0 | (0) | 43 | (43) | 0 | (0) | **100** | **(5.6)** |
| | J | 0 | (0) | 4 | (20) | 0 | (0) | 0 | (0) | 12 | (60) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 2 | (10) | 0 | (0) | 0 | (0) | 2 | (10) | 0 | (0) | **20** | **(1.1)** |
| | O | 0 | (0) | 3 | (1) | 379 | (90) | 1 | (0) | 16 | (4) | 1 | (0) | 0 | (0) | 3 | (1) | 0 | (0) | 8 | (2) | 11 | (3) | 0 | (0) | 1 | (0) | 0 | (0) | **423** | **(23.7)** |
| | T | 1 | (1) | 2 | (1) | 0 | (0) | 0 | (0) | 33 | (22) | 1 | (1) | 0 | (0) | 3 | (2) | 19 | (13) | 48 | (32) | 27 | (18) | 5 | (3) | 13 | (9) | 0 | (0) | **152** | **(8.5)** |
| | U | 1 | (5) | 1 | (5) | 1 | (5) | 0 | (0) | 4 | (18) | 2 | (9) | 0 | (0) | 0 | (0) | 0 | (0) | 1 | (5) | 12 | (55) | 0 | (0) | 0 | (0) | 0 | (0) | **22** | **(1.2)** |
| **2006 Total** | | **5** | **(0.3)** | **27** | **(1.5)** | **1,059** | **(59.3)** | **7** | **(0.4)** | **150** | **(8.4)** | **13** | **(0.7)** | **4** | **(0.2)** | **81** | **(4.5)** | **49** | **(2.7)** | **132** | **(7.4)** | **136** | **(7.6)** | **15** | **(0.8)** | **94** | **(5.3)** | **14** | **(0.8)** | **1,786** | |
| 2007 | A | 0 | (0) | 2 | (2) | 1 | (1) | 0 | (0) | 8 | (7) | 3 | (3) | 3 | (3) | 23 | (21) | 14 | (13) | 38 | (35) | 10 | (9) | 1 | (1) | 7 | (6) | 0 | (0) | **110** | **(6.3)** |
| | B | 0 | (0) | 3 | (7) | 0 | (0) | 1 | (2) | 14 | (34) | 3 | (7) | 1 | (2) | 1 | (2) | 1 | (2) | 0 | (0) | 10 | (24) | 0 | (0) | 5 | (12) | 2 | (5) | **41** | **(2.4)** |
| | E | 2 | (0) | 10 | (2) | 397 | (76) | 1 | (0) | 19 | (4) | 2 | (0) | 1 | (0) | 21 | (4) | 8 | (2) | 10 | (2) | 37 | (7) | 2 | (0) | 13 | (2) | 0 | (0) | **523** | **(30.1)** |
| | F | 0 | (0) | 0 | (0) | 281 | (73) | 1 | (0) | 5 | (1) | 0 | (0) | 0 | (0) | 38 | (10) | 0 | (0) | 1 | (0) | 25 | (6) | 1 | (0) | 12 | (3) | 22 | (6) | **386** | **(22.2)** |
| | H | 0 | (0) | 1 | (1) | 0 | (0) | 0 | (0) | 19 | (22) | 1 | (1) | 0 | (0) | 2 | (2) | 2 | (2) | 8 | (9) | 6 | (7) | 1 | (1) | 47 | (54) | 0 | (0) | **87** | **(5.0)** |
| | J | 2 | (5) | 5 | (13) | 0 | (0) | 1 | (3) | 22 | (58) | 0 | (0) | 0 | (0) | 0 | (0) | 2 | (5) | 1 | (3) | 2 | (5) | 0 | (0) | 3 | (8) | 0 | (0) | **38** | **(2.2)** |
| | O | 0 | (0) | 0 | (0) | 328 | (90) | 1 | (0) | 3 | (1) | 1 | (0) | 0 | (0) | 2 | (1) | 0 | (0) | 5 | (1) | 24 | (7) | 0 | (0) | 0 | (0) | 2 | (1) | **366** | **(21.1)** |
| | T | 2 | (2) | 2 | (2) | 1 | (1) | 0 | (0) | 24 | (20) | 3 | (2) | 0 | (0) | 5 | (4) | 15 | (12) | 37 | (31) | 16 | (13) | 6 | (5) | 10 | (8) | 0 | (0) | **121** | **(7.0)** |
| | U | 2 | (11) | 1 | (5) | 0 | (0) | 0 | (0) | 4 | (21) | 1 | (5) | 0 | (0) | 0 | (0) | 1 | (5) | 0 | (0) | 7 | (37) | 0 | (0) | 1 | (5) | 2 | (11) | **19** | **(1.1)** |
| | Z | 2 | (4) | 2 | (4) | 0 | (0) | 1 | (2) | 5 | (11) | 3 | (7) | 0 | (0) | 0 | (0) | 1 | (2) | 1 | (2) | 23 | (50) | 3 | (7) | 5 | (11) | 0 | (0) | **46** | **(2.6)** |
| **2007 Total** | | **10** | **(0.6)** | **26** | **(1.5)** | **1,008** | **(58.0)** | **6** | **(0.3)** | **123** | **(7.1)** | **17** | **(1.0)** | **5** | **(0.3)** | **92** | **(5.3)** | **44** | **(2.5)** | **101** | **(5.8)** | **160** | **(9.2)** | **14** | **(0.8)** | **103** | **(5.9)** | **28** | **(1.6)** | **1,737** | |
| **Grand Total** | | **30** | **(0.6)** | **87** | **(1.7)** | **3,046** | **(57.9)** | **16** | **(0.3)** | **445** | **(8.5)** | **50** | **(1.0)** | **14** | **(0.3)** | **246** | **(4.7)** | **159** | **(3.0)** | **341** | **(6.5)** | **450** | **(8.6)** | **35** | **(0.7)** | **289** | **(5.5)** | **50** | **(1.0)** | **5,258** | |

**Table 20 Admissions by primary diagnostic group (unplanned - following surgery) by NHS trust, 2005 - 2007**

| Year | NHS Trust | Diagnostic Group: Blood / lymphatic | | Body wall and cavities | | Cardiovascular | | Endocrine / metabolic | | Gastrointestinal | | Infection | | Multisystem | | Musculoskeletal | | Neurological | | Oncology | | Respiratory | | Trauma | | Other | | Unknown | | Total | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % |
| 2005 | A | 0 | (0) | 1 | (3) | 2 | (6) | 0 | (0) | 8 | (23) | 1 | (3) | 0 | (0) | 0 | (0) | 11 | (31) | 3 | (9) | 5 | (14) | 1 | (3) | 3 | (9) | 0 | (0) | **35** | **(13.9)** |
| | B | 0 | (0) | 3 | (16) | 1 | (5) | 0 | (0) | 4 | (21) | 3 | (16) | 0 | (0) | 0 | (0) | 1 | (5) | 0 | (0) | 7 | (37) | 0 | (0) | 0 | (0) | 0 | (0) | **19** | **(7.6)** |
| | E | 1 | (2) | 1 | (2) | 8 | (15) | 2 | (4) | 13 | (24) | 2 | (4) | 0 | (0) | 0 | (0) | 4 | (7) | 6 | (11) | 12 | (22) | 0 | (0) | 5 | (9) | 0 | (0) | **54** | **(21.5)** |
| | F | 0 | (0) | 3 | (4) | 65 | (82) | 0 | (0) | 1 | (1) | 1 | (1) | 0 | (0) | 0 | (0) | 0 | (0) | 1 | (1) | 7 | (9) | 0 | (0) | 1 | (1) | 0 | (0) | **79** | **(31.5)** |
| | H | 0 | (0) | 1 | (4) | 0 | (0) | 0 | (0) | 4 | (17) | 2 | (8) | 0 | (0) | 0 | (0) | 4 | (17) | 2 | (8) | 6 | (25) | 0 | (0) | 5 | (21) | 0 | (0) | **24** | **(9.6)** |
| | J | 0 | (0) | 2 | (29) | 0 | (0) | 0 | (0) | 4 | (57) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 1 | (14) | 0 | (0) | **7** | **(2.8)** |
| | O | 0 | (0) | 0 | (0) | 3 | (60) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 1 | (20) | 1 | (20) | 0 | (0) | 0 | (0) | 0 | (0) | **5** | **(2.0)** |
| | T | 0 | (0) | 0 | (0) | 2 | (10) | 0 | (0) | 8 | (38) | 0 | (0) | 0 | (0) | 1 | (5) | 1 | (5) | 2 | (10) | 5 | (24) | 0 | (0) | 2 | (10) | 0 | (0) | **21** | **(8.4)** |
| | U | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 5 | (71) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 2 | (29) | 0 | (0) | 0 | (0) | 0 | (0) | **7** | **(2.8)** |
| **2005 Total** | | **1** | **(0.4)** | **11** | **(4.4)** | **81** | **(32.3)** | **2** | **(0.8)** | **47** | **(18.7)** | **9** | **(3.6)** | **0** | **(0.0)** | **1** | **(0.4)** | **21** | **(8.4)** | **15** | **(6.0)** | **45** | **(17.9)** | **1** | **(0.4)** | **17** | **(6.8)** | **0** | **(0.0)** | **251** | |
| 2006 | A | 1 | (2) | 0 | (0) | 1 | (2) | 0 | (0) | 13 | (30) | 3 | (7) | 3 | (7) | 2 | (5) | 5 | (11) | 6 | (14) | 6 | (14) | 2 | (5) | 2 | (5) | 0 | (0) | **44** | **(14.8)** |
| | B | 0 | (0) | 1 | (3) | 0 | (0) | 1 | (3) | 10 | (25) | 3 | (8) | 0 | (0) | 2 | (5) | 0 | (0) | 1 | (3) | 15 | (38) | 2 | (5) | 5 | (13) | 0 | (0) | **40** | **(13.4)** |
| | E | 1 | (1) | 3 | (3) | 18 | (19) | 3 | (3) | 19 | (20) | 3 | (3) | 0 | (0) | 3 | (3) | 7 | (7) | 7 | (7) | 21 | (22) | 1 | (1) | 9 | (9) | 0 | (0) | **95** | **(31.9)** |
| | F | 1 | (2) | 0 | (0) | 48 | (81) | 1 | (2) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 8 | (14) | 0 | (0) | 0 | (0) | 1 | (2) | **59** | **(19.8)** |
| | H | 1 | (6) | 1 | (6) | 0 | (0) | 0 | (0) | 4 | (25) | 2 | (13) | 0 | (0) | 1 | (6) | 2 | (13) | 1 | (6) | 1 | (6) | 0 | (0) | 3 | (19) | 0 | (0) | **16** | **(5.4)** |
| | J | 1 | (6) | 3 | (19) | 0 | (0) | 1 | (6) | 6 | (38) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 4 | (25) | 1 | (6) | 0 | (0) | 0 | (0) | **16** | **(5.4)** |
| | O | 0 | (0) | 0 | (0) | 2 | (67) | 0 | (0) | 1 | (33) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | **3** | **(1.0)** |
| | T | 0 | (0) | 1 | (6) | 2 | (12) | 0 | (0) | 6 | (35) | 1 | (6) | 0 | (0) | 0 | (0) | 1 | (6) | 2 | (12) | 3 | (18) | 0 | (0) | 1 | (6) | 0 | (0) | **17** | **(5.7)** |
| | U | 0 | (0) | 0 | (0) | 1 | (13) | 0 | (0) | 2 | (25) | 2 | (25) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 3 | (38) | 0 | (0) | 0 | (0) | 0 | (0) | **8** | **(2.7)** |
| **2006 Total** | | **5** | **(1.7)** | **9** | **(3.0)** | **72** | **(24.2)** | **6** | **(2.0)** | **61** | **(20.5)** | **14** | **(4.7)** | **3** | **(1.0)** | **8** | **(2.7)** | **15** | **(5.0)** | **17** | **(5.7)** | **61** | **(20.5)** | **6** | **(2.0)** | **20** | **(6.7)** | **1** | **(0.3)** | **298** | |
| 2007 | A | 2 | (5) | 5 | (14) | 0 | (0) | 0 | (0) | 9 | (24) | 0 | (0) | 0 | (0) | 1 | (3) | 1 | (3) | 9 | (24) | 5 | (14) | 1 | (3) | 4 | (11) | 0 | (0) | **37** | **(14.6)** |
| | B | 0 | (0) | 0 | (0) | 0 | (0) | 1 | (5) | 7 | (33) | 1 | (5) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 9 | (43) | 2 | (10) | 1 | (5) | 0 | (0) | **21** | **(8.3)** |
| | E | 1 | (3) | 2 | (5) | 8 | (21) | 2 | (5) | 5 | (13) | 4 | (10) | 1 | (3) | 1 | (3) | 1 | (3) | 4 | (10) | 8 | (21) | 0 | (0) | 2 | (5) | 0 | (0) | **39** | **(15.4)** |
| | F | 1 | (1) | 0 | (0) | 52 | (76) | 0 | (0) | 0 | (0) | 0 | (0) | 1 | (1) | 0 | (0) | 2 | (3) | 0 | (0) | 9 | (13) | 0 | (0) | 1 | (1) | 2 | (3) | **68** | **(26.8)** |
| | H | 0 | (0) | 1 | (9) | 0 | (0) | 0 | (0) | 4 | (36) | 0 | (0) | 0 | (0) | 0 | (0) | 1 | (9) | 0 | (0) | 2 | (18) | 0 | (0) | 3 | (27) | 0 | (0) | **11** | **(4.3)** |
| | J | 0 | (0) | 0 | (0) | 1 | (7) | 0 | (0) | 6 | (43) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 3 | (21) | 0 | (0) | 4 | (29) | 0 | (0) | **14** | **(5.5)** |
| | O | 0 | (0) | 0 | (0) | 2 | (100) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | **2** | **(0.8)** |
| | T | 0 | (0) | 0 | (0) | 0 | (0) | 1 | (3) | 13 | (43) | 3 | (10) | 0 | (0) | 0 | (0) | 2 | (7) | 0 | (0) | 7 | (23) | 1 | (3) | 3 | (10) | 0 | (0) | **30** | **(11.8)** |
| | U | 0 | (0) | 0 | (0) | 2 | (18) | 0 | (0) | 3 | (27) | 1 | (9) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 4 | (36) | 0 | (0) | 0 | (0) | 1 | (9) | **11** | **(4.3)** |
| | Z | 1 | (5) | 0 | (0) | 0 | (0) | 1 | (5) | 2 | (10) | 0 | (0) | 0 | (0) | 0 | (0) | 1 | (5) | 0 | (0) | 10 | (48) | 3 | (14) | 3 | (14) | 0 | (0) | **21** | **(8.3)** |
| **2007 Total** | | **5** | **(2.0)** | **8** | **(3.1)** | **65** | **(25.6)** | **5** | **(2.0)** | **49** | **(19.3)** | **9** | **(3.5)** | **2** | **(0.8)** | **2** | **(0.8)** | **8** | **(3.1)** | **13** | **(5.1)** | **57** | **(22.4)** | **7** | **(2.8)** | **21** | **(8.3)** | **3** | **(1.2)** | **254** | |
| **Grand Total** | | **11** | **(1.4)** | **28** | **(3.5)** | **218** | **(27.1)** | **13** | **(1.6)** | **157** | **(19.6)** | **32** | **(4.0)** | **5** | **(0.6)** | **11** | **(1.4)** | **44** | **(5.5)** | **45** | **(5.6)** | **163** | **(20.3)** | **14** | **(1.7)** | **58** | **(7.2)** | **4** | **(0.5)** | **803** | |

**Table 21 Admissions by primary diagnostic group (planned - other) by NHS trust, 2005 - 2007**

| Year | NHS Trust | Diagnostic Group: Blood / lymphatic n | % | Body wall and cavities n | % | Cardiovascular n | % | Endocrine / metabolic n | % | Gastrointestinal n | % | Infection n | % | Multisystem n | % | Musculoskeletal n | % | Neurological n | % | Oncology n | % | Respiratory n | % | Trauma n | % | Other n | % | Unknown n | % | Total n | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2005 | A | 0 | (0) | 0 | (0) | 1 | (9) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 1 | (9) | 3 | (27) | 5 | (45) | 0 | (0) | 0 | (0) | 1 | (9) | 0 | (0) | **11** | **(3.0)** |
| | B | 0 | (0) | 1 | (8) | 0 | (0) | 0 | (0) | 5 | (38) | 1 | (8) | 0 | (0) | 1 | (8) | 0 | (0) | 0 | (0) | 4 | (31) | 0 | (0) | 1 | (8) | 0 | (0) | **13** | **(3.6)** |
| | E | 2 | (1) | 8 | (6) | 60 | (43) | 0 | (0) | 2 | (1) | 1 | (1) | 0 | (0) | 3 | (2) | 7 | (5) | 4 | (3) | 43 | (31) | 3 | (2) | 5 | (4) | 0 | (0) | **138** | **(37.8)** |
| | F | 1 | (4) | 1 | (4) | 8 | (35) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 8 | (35) | 0 | (0) | 4 | (17) | 1 | (4) | **23** | **(6.3)** |
| | H | 8 | (12) | 2 | (3) | 1 | (1) | 4 | (6) | 8 | (12) | 2 | (3) | 0 | (0) | 0 | (0) | 12 | (18) | 1 | (1) | 8 | (12) | 9 | (13) | 13 | (19) | 0 | (0) | **68** | **(18.6)** |
| | J | 0 | (0) | 4 | (44) | 0 | (0) | 0 | (0) | 2 | (22) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 1 | (11) | 0 | (0) | 2 | (22) | 0 | (0) | **9** | **(2.5)** |
| | O | 0 | (0) | 0 | (0) | 63 | (75) | 0 | (0) | 0 | (0) | 1 | (1) | 0 | (0) | 0 | (0) | 1 | (1) | 0 | (0) | 17 | (20) | 0 | (0) | 2 | (2) | 0 | (0) | **84** | **(23.0)** |
| | T | 1 | (7) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 1 | (7) | 0 | (0) | 0 | (0) | 0 | (0) | 1 | (7) | 9 | (64) | 1 | (7) | 1 | (7) | 0 | (0) | **14** | **(3.8)** |
| | U | 0 | (0) | 0 | (0) | 1 | (20) | 0 | (0) | 0 | (0) | 1 | (20) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 2 | (40) | 0 | (0) | 1 | (20) | 0 | (0) | **5** | **(1.4)** |
| **2005 Total** | | **12** | **(3.3)** | **16** | **(4.4)** | **134** | **(36.7)** | **4** | **(1.1)** | **17** | **(4.7)** | **7** | **(1.9)** | **0** | **(0.0)** | **5** | **(1.4)** | **23** | **(6.3)** | **11** | **(3.0)** | **92** | **(25.2)** | **13** | **(3.6)** | **30** | **(8.2)** | **1** | **(0.3)** | **365** | |
| 2006 | A | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 2 | (15) | 1 | (8) | 4 | (31) | 2 | (15) | 3 | (23) | 1 | (8) | 0 | (0) | 0 | (0) | **13** | **(3.7)** |
| | B | 0 | (0) | 1 | (9) | 1 | (9) | 0 | (0) | 2 | (18) | 1 | (9) | 0 | (0) | 0 | (0) | 1 | (9) | 1 | (9) | 3 | (27) | 0 | (0) | 1 | (9) | 0 | (0) | **11** | **(3.2)** |
| | E | 0 | (0) | 4 | (4) | 35 | (37) | 1 | (1) | 6 | (6) | 3 | (3) | 3 | (3) | 2 | (2) | 6 | (6) | 3 | (3) | 23 | (24) | 1 | (1) | 8 | (8) | 0 | (0) | **95** | **(27.3)** |
| | F | 0 | (0) | 1 | (4) | 5 | (20) | 0 | (0) | 4 | (16) | 0 | (0) | 0 | (0) | 2 | (8) | 0 | (0) | 1 | (4) | 7 | (28) | 0 | (0) | 5 | (20) | 0 | (0) | **25** | **(7.2)** |
| | H | 5 | (7) | 2 | (3) | 1 | (1) | 2 | (3) | 19 | (26) | 1 | (1) | 0 | (0) | 0 | (0) | 16 | (22) | 1 | (1) | 9 | (12) | 7 | (10) | 10 | (14) | 0 | (0) | **73** | **(21.0)** |
| | J | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 1 | (50) | 1 | (50) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | **2** | **(0.6)** |
| | O | 0 | (0) | 0 | (0) | 90 | (78) | 0 | (0) | 0 | (0) | 1 | (1) | 0 | (0) | 2 | (2) | 0 | (0) | 1 | (1) | 20 | (17) | 0 | (0) | 1 | (1) | 0 | (0) | **115** | **(33.0)** |
| | T | 0 | (0) | 0 | (0) | 1 | (10) | 0 | (0) | 1 | (10) | 0 | (0) | 0 | (0) | 1 | (10) | 0 | (0) | 1 | (10) | 4 | (40) | 2 | (20) | 0 | (0) | 0 | (0) | **10** | **(2.9)** |
| | U | 1 | (25) | 0 | (0) | 0 | (0) | 0 | (0) | 1 | (25) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 2 | (50) | 0 | (0) | 0 | (0) | 0 | (0) | **4** | **(1.1)** |
| **2006 Total** | | **6** | **(1.7)** | **8** | **(2.3)** | **133** | **(38.2)** | **3** | **(0.9)** | **34** | **(9.8)** | **7** | **(2.0)** | **5** | **(1.4)** | **8** | **(2.3)** | **27** | **(7.8)** | **10** | **(2.9)** | **71** | **(20.4)** | **11** | **(3.2)** | **25** | **(7.2)** | **0** | **(0.0)** | **348** | |
| 2007 | A | 0 | (0) | 0 | (0) | 2 | (7) | 0 | (0) | 1 | (4) | 3 | (11) | 0 | (0) | 1 | (4) | 9 | (32) | 4 | (14) | 5 | (18) | 1 | (4) | 2 | (7) | 0 | (0) | **28** | **(6.5)** |
| | B | 0 | (0) | 2 | (22) | 0 | (0) | 0 | (0) | 0 | (0) | 1 | (11) | 0 | (0) | 1 | (11) | 1 | (11) | 0 | (0) | 3 | (33) | 0 | (0) | 1 | (11) | 0 | (0) | **9** | **(2.1)** |
| | E | 0 | (0) | 3 | (3) | 42 | (45) | 3 | (3) | 3 | (3) | 1 | (1) | 0 | (0) | 0 | (0) | 8 | (9) | 1 | (1) | 29 | (31) | 0 | (0) | 4 | (4) | 0 | (0) | **94** | **(21.7)** |
| | F | 0 | (0) | 1 | (3) | 18 | (46) | 0 | (0) | 1 | (3) | 1 | (3) | 0 | (0) | 0 | (0) | 1 | (3) | 0 | (0) | 14 | (36) | 0 | (0) | 1 | (3) | 2 | (5) | **39** | **(9.0)** |
| | H | 2 | (3) | 1 | (2) | 1 | (2) | 2 | (3) | 4 | (7) | 3 | (5) | 0 | (0) | 0 | (0) | 11 | (18) | 0 | (0) | 2 | (3) | 3 | (5) | 32 | (52) | 0 | (0) | **61** | **(14.1)** |
| | J | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 1 | (100) | 0 | (0) | **1** | **(0.2)** |
| | O | 0 | (0) | 0 | (0) | 104 | (67) | 2 | (1) | 2 | (1) | 1 | (1) | 0 | (0) | 2 | (1) | 0 | (0) | 0 | (0) | 40 | (26) | 0 | (0) | 2 | (1) | 2 | (1) | **155** | **(35.7)** |
| | T | 1 | (8) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 1 | (8) | 2 | (15) | 1 | (8) | 6 | (46) | 1 | (8) | 1 | (8) | 0 | (0) | **13** | **(3.0)** |
| | U | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 6 | (100) | 0 | (0) | 0 | (0) | 0 | (0) | **6** | **(1.4)** |
| | Z | 2 | (7) | 0 | (0) | 0 | (0) | 1 | (4) | 1 | (4) | 4 | (14) | 0 | (0) | 1 | (4) | 3 | (11) | 0 | (0) | 13 | (46) | 3 | (11) | 0 | (0) | 0 | (0) | **28** | **(6.5)** |
| **2007 Total** | | **5** | **(1.2)** | **7** | **(1.6)** | **167** | **(38.5)** | **8** | **(1.8)** | **12** | **(2.8)** | **14** | **(3.2)** | **0** | **(0.0)** | **6** | **(1.4)** | **35** | **(8.1)** | **6** | **(1.4)** | **118** | **(27.2)** | **8** | **(1.8)** | **44** | **(10.1)** | **4** | **(0.9)** | **434** | |
| **Grand Total** | | **23** | **(2.0)** | **31** | **(2.7)** | **434** | **(37.8)** | **15** | **(1.3)** | **63** | **(5.5)** | **28** | **(2.4)** | **5** | **(0.4)** | **19** | **(1.7)** | **85** | **(7.4)** | **27** | **(2.4)** | **281** | **(24.5)** | **32** | **(2.8)** | **99** | **(8.6)** | **5** | **(0.4)** | **1,147** | |

**Table 22 Admissions by primary diagnostic group (unplanned - other) by NHS trust, 2005 - 2007**

| Year | NHS Trust | Diagnostic Group: Blood / lymphatic | | Body wall and cavities | | Cardiovascular | | Endocrine / metabolic | | Gastrointestinal | | Infection | | Multisystem | | Musculoskeletal | | Neurological | | Oncology | | Respiratory | | Trauma | | Other | | Unknown | | Total | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % |
| 2005 | A | 6 | (2) | 3 | (1) | 5 | (2) | 12 | (5) | 17 | (7) | 12 | (5) | 2 | (1) | 3 | (1) | 57 | (23) | 14 | (6) | 71 | (29) | 26 | (11) | 16 | (7) | 1 | (0) | **245** | **(8.7)** |
| | B | 0 | (0) | 3 | (2) | 3 | (2) | 5 | (4) | 7 | (6) | 14 | (11) | 0 | (0) | 0 | (0) | 31 | (25) | 2 | (2) | 52 | (41) | 6 | (5) | 3 | (2) | 0 | (0) | **126** | **(4.5)** |
| | E | 7 | (1) | 27 | (3) | 151 | (18) | 31 | (4) | 57 | (7) | 48 | (6) | 1 | (0) | 5 | (1) | 130 | (15) | 18 | (2) | 278 | (33) | 61 | (7) | 36 | (4) | 0 | (0) | **850** | **(30.3)** |
| | F | 3 | (0) | 5 | (1) | 161 | (25) | 19 | (3) | 4 | (1) | 44 | (7) | 1 | (0) | 1 | (0) | 127 | (19) | 0 | (0) | 243 | (37) | 18 | (3) | 24 | (4) | 5 | (1) | **655** | **(23.4)** |
| | H | 1 | (1) | 0 | (0) | 0 | (0) | 8 | (5) | 18 | (12) | 8 | (5) | 0 | (0) | 1 | (1) | 44 | (29) | 2 | (1) | 35 | (23) | 14 | (9) | 21 | (14) | 1 | (1) | **153** | **(5.5)** |
| | J | 1 | (2) | 0 | (0) | 2 | (4) | 1 | (2) | 1 | (2) | 1 | (2) | 0 | (0) | 0 | (0) | 16 | (33) | 1 | (2) | 23 | (48) | 1 | (2) | 1 | (2) | 0 | (0) | **48** | **(1.7)** |
| | O | 0 | (0) | 1 | (1) | 90 | (67) | 0 | (0) | 1 | (1) | 3 | (2) | 0 | (0) | 1 | (1) | 2 | (1) | 0 | (0) | 31 | (23) | 0 | (0) | 3 | (2) | 3 | (2) | **135** | **(4.8)** |
| | T | 3 | (1) | 0 | (0) | 6 | (3) | 7 | (3) | 9 | (4) | 9 | (4) | 0 | (0) | 0 | (0) | 47 | (22) | 20 | (9) | 97 | (46) | 13 | (6) | 2 | (1) | 0 | (0) | **213** | **(7.6)** |
| | U | 10 | (3) | 0 | (0) | 11 | (3) | 12 | (3) | 4 | (1) | 43 | (11) | 0 | (0) | 0 | (0) | 84 | (22) | 0 | (0) | 189 | (50) | 3 | (1) | 16 | (4) | 8 | (2) | **380** | **(13.5)** |
| **2005 Total** | | **31** | **(1.1)** | **39** | **(1.4)** | **429** | **(15.3)** | **95** | **(3.4)** | **118** | **(4.2)** | **182** | **(6.5)** | **4** | **(0.1)** | **11** | **(0.4)** | **538** | **(19.2)** | **57** | **(2.0)** | **1,019** | **(36.3)** | **142** | **(5.1)** | **122** | **(4.3)** | **18** | **(0.6)** | 2,805 | |
| 2006 | A | 5 | (2) | 4 | (2) | 14 | (5) | 11 | (4) | 14 | (5) | 17 | (7) | 7 | (3) | 4 | (2) | 54 | (21) | 23 | (9) | 75 | (29) | 16 | (6) | 16 | (6) | 0 | (0) | **260** | **(9.3)** |
| | B | 2 | (2) | 1 | (1) | 5 | (5) | 9 | (8) | 6 | (5) | 5 | (5) | 2 | (2) | 0 | (0) | 28 | (25) | 0 | (0) | 41 | (37) | 2 | (2) | 10 | (9) | 0 | (0) | **111** | **(4.0)** |
| | E | 12 | (1) | 37 | (4) | 210 | (23) | 47 | (5) | 64 | (7) | 50 | (5) | 2 | (0) | 4 | (0) | 103 | (11) | 17 | (2) | 288 | (31) | 48 | (5) | 46 | (5) | 0 | (0) | **928** | **(33.3)** |
| | F | 2 | (0) | 3 | (0) | 127 | (21) | 21 | (3) | 9 | (1) | 55 | (9) | 1 | (0) | 0 | (0) | 97 | (16) | 0 | (0) | 254 | (42) | 13 | (2) | 26 | (4) | 3 | (0) | **611** | **(22.0)** |
| | H | 1 | (1) | 0 | (0) | 2 | (2) | 7 | (6) | 10 | (8) | 12 | (10) | 0 | (0) | 0 | (0) | 23 | (18) | 2 | (2) | 39 | (31) | 20 | (16) | 10 | (8) | 0 | (0) | **126** | **(4.5)** |
| | J | 1 | (3) | 0 | (0) | 2 | (6) | 0 | (0) | 4 | (11) | 2 | (6) | 0 | (0) | 0 | (0) | 5 | (14) | 1 | (3) | 18 | (50) | 1 | (3) | 2 | (6) | 0 | (0) | **36** | **(1.3)** |
| | O | 0 | (0) | 0 | (0) | 66 | (57) | 0 | (0) | 1 | (1) | 7 | (6) | 0 | (0) | 3 | (3) | 0 | (0) | 0 | (0) | 32 | (28) | 0 | (0) | 0 | (0) | 6 | (5) | **115** | **(4.1)** |
| | T | 1 | (0) | 0 | (0) | 6 | (2) | 10 | (4) | 12 | (5) | 26 | (10) | 0 | (0) | 2 | (1) | 44 | (17) | 19 | (7) | 129 | (49) | 9 | (3) | 5 | (2) | 0 | (0) | **263** | **(9.5)** |
| | U | 7 | (2) | 0 | (0) | 22 | (7) | 12 | (4) | 5 | (2) | 31 | (9) | 0 | (0) | 0 | (0) | 101 | (30) | 0 | (0) | 139 | (42) | 2 | (1) | 7 | (2) | 7 | (2) | **333** | **(12.0)** |
| **2006 Total** | | **31** | **(1.1)** | **45** | **(1.6)** | **454** | **(16.3)** | **117** | **(4.2)** | **125** | **(4.5)** | **205** | **(7.4)** | **12** | **(0.4)** | **13** | **(0.5)** | **455** | **(16.3)** | **62** | **(2.2)** | **1,015** | **(36.5)** | **111** | **(4.0)** | **122** | **(4.4)** | **16** | **(0.6)** | 2,783 | |
| 2007 | A | 11 | (3) | 3 | (1) | 17 | (5) | 16 | (5) | 12 | (4) | 25 | (7) | 3 | (1) | 3 | (1) | 82 | (24) | 20 | (6) | 98 | (29) | 26 | (8) | 21 | (6) | 0 | (0) | **337** | **(11.3)** |
| | B | 2 | (2) | 2 | (2) | 5 | (5) | 8 | (8) | 4 | (4) | 4 | (4) | 0 | (0) | 0 | (0) | 16 | (16) | 2 | (2) | 47 | (47) | 5 | (5) | 5 | (5) | 0 | (0) | **100** | **(3.4)** |
| | E | 2 | (0) | 27 | (4) | 182 | (25) | 31 | (4) | 55 | (8) | 33 | (5) | 4 | (1) | 5 | (1) | 68 | (9) | 24 | (3) | 238 | (33) | 43 | (6) | 15 | (2) | 0 | (0) | **727** | **(24.4)** |
| | F | 4 | (1) | 2 | (0) | 134 | (20) | 23 | (3) | 12 | (2) | 53 | (8) | 0 | (0) | 1 | (0) | 97 | (14) | 2 | (0) | 309 | (45) | 14 | (2) | 31 | (5) | 5 | (1) | **687** | **(23.1)** |
| | H | 3 | (2) | 0 | (0) | 7 | (5) | 4 | (3) | 15 | (11) | 5 | (4) | 0 | (0) | 1 | (1) | 21 | (16) | 1 | (1) | 36 | (27) | 12 | (9) | 24 | (18) | 4 | (3) | **133** | **(4.5)** |
| | J | 2 | (3) | 1 | (2) | 2 | (3) | 5 | (8) | 3 | (5) | 4 | (6) | 0 | (0) | 0 | (0) | 8 | (12) | 0 | (0) | 36 | (55) | 1 | (2) | 4 | (6) | 0 | (0) | **66** | **(2.2)** |
| | O | 1 | (1) | 0 | (0) | 69 | (60) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 2 | (2) | 1 | (1) | 0 | (0) | 39 | (34) | 0 | (0) | 0 | (0) | 3 | (3) | **115** | **(3.9)** |
| | T | 3 | (1) | 0 | (0) | 6 | (3) | 5 | (2) | 6 | (3) | 19 | (9) | 0 | (0) | 0 | (0) | 35 | (16) | 13 | (6) | 117 | (53) | 6 | (3) | 9 | (4) | 2 | (1) | **221** | **(7.4)** |
| | U | 13 | (4) | 0 | (0) | 13 | (4) | 18 | (5) | 5 | (2) | 28 | (8) | 0 | (0) | 1 | (0) | 79 | (24) | 0 | (0) | 148 | (45) | 2 | (1) | 10 | (3) | 14 | (4) | **331** | **(11.1)** |
| | Z | 17 | (7) | 1 | (0) | 11 | (4) | 12 | (5) | 4 | (2) | 20 | (8) | 0 | (0) | 0 | (0) | 20 | (8) | 0 | (0) | 143 | (56) | 21 | (8) | 8 | (3) | 0 | (0) | **257** | **(8.6)** |
| **2007 Total** | | **58** | **(2.0)** | **36** | **(1.2)** | **446** | **(15.0)** | **122** | **(4.1)** | **116** | **(3.9)** | **191** | **(6.4)** | **7** | **(0.2)** | **13** | **(0.4)** | **427** | **(14.4)** | **62** | **(2.1)** | **1,211** | **(40.7)** | **130** | **(4.4)** | **127** | **(4.3)** | **28** | **(0.9)** | 2,974 | |
| **Grand Total** | | **120** | **(1.4)** | **120** | **(1.4)** | **1,329** | **(15.5)** | **334** | **(3.9)** | **359** | **(4.2)** | **578** | **(6.8)** | **23** | **(0.3)** | **37** | **(0.4)** | **1,420** | **(16.6)** | **181** | **(2.1)** | **3,245** | **(37.9)** | **383** | **(4.5)** | **371** | **(4.3)** | **62** | **(0.7)** | 8,562 | |

**Table 23 Most commonly returned Read Codes for primary reason for admission, 2005 - 2007**

| Primary Diagnosis | Sex | | | | | | | | Total | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Male | | Female | | Ambiguous | | Unknown | | | |
| | n | % | n | % | n | % | n | % | n | % |
| **Bronchiolitis (XSDOK)** | 282 | (58) | 205 | (42) | 0 | (0) | 0 | (0) | **487** | **(8.6)** |
| **Ventricular septal defect (P54..)** | 238 | (53) | 212 | (47) | 0 | (0) | 1 | (0) | **451** | **(8.0)** |
| **Status epilepticus (X007B)** | 204 | (57) | 155 | (43) | 0 | (0) | 1 | (0) | **360** | **(6.3)** |
| **Respiratory failure (XM09V)** | 202 | (57) | 152 | (43) | 0 | (0) | 0 | (0) | **354** | **(6.2)** |
| **Sepsis (X70VZ)** | 165 | (50) | 168 | (50) | 0 | (0) | 0 | (0) | **333** | **(5.9)** |
| **Tetralogy of Fallot (P52..)** | 207 | (63) | 118 | (36) | 0 | (0) | 4 | (1) | **329** | **(5.8)** |
| **Hypoplastic left heart syndrome (P67..)** | 209 | (69) | 94 | (31) | 0 | (0) | 0 | (0) | **303** | **(5.3)** |
| **Pneumonia (X100E)** | 156 | (56) | 123 | (44) | 0 | (0) | 0 | (0) | **279** | **(4.9)** |
| **Atrioventricular septal defect & common atriovent junction (X77wc)** | 124 | (48) | 132 | (51) | 0 | (0) | 2 | (1) | **258** | **(4.6)** |
| **Discordant ventriculoarterial connection (P51..)** | 169 | (73) | 62 | (27) | 0 | (0) | 0 | (0) | **231** | **(4.1)** |
| **Congenital heart disease (X77tW)** | 131 | (57) | 97 | (43) | 0 | (0) | 0 | (0) | **228** | **(4.0)** |
| **Patent ductus arteriosus (P70..)** | 101 | (45) | 121 | (54) | 0 | (0) | 1 | (0) | **223** | **(3.9)** |
| **Epileptic seizures - clonic (F2512)** | 99 | (54) | 86 | (46) | 0 | (0) | 0 | (0) | **185** | **(3.3)** |
| **Total great vessel transposition (P510.)** | 100 | (56) | 77 | (43) | 0 | (0) | 1 | (1) | **178** | **(3.1)** |
| **Respiratory obstruction (XM05Q)** | 99 | (60) | 66 | (40) | 0 | (0) | 0 | (0) | **165** | **(2.9)** |
| **Cyanotic congenital heart disease NOS (XE1KK)** | 86 | (58) | 62 | (42) | 0 | (0) | 0 | (0) | **148** | **(2.6)** |
| **Acute bronchiolitis due to respiratory syncytial virus (H0615)** | 82 | (57) | 60 | (42) | 1 | (1) | 0 | (0) | **143** | **(2.5)** |
| **Atrial septal defect (X77vY)** | 57 | (40) | 85 | (59) | 0 | (0) | 1 | (1) | **143** | **(2.5)** |
| **Aortic coarctation (P71..)** | 85 | (62) | 52 | (38) | 0 | (0) | 1 | (1) | **138** | **(2.4)** |
| **Coarctation of aorta NOS (P71z.)** | 85 | (63) | 50 | (37) | 0 | (0) | 0 | (0) | **135** | **(2.4)** |
| **Asthma (H33..)** | 66 | (51) | 64 | (49) | 0 | (0) | 0 | (0) | **130** | **(2.3)** |
| **Febrile convulsion (XM03I)** | 74 | (62) | 45 | (38) | 0 | (0) | 0 | (0) | **119** | **(2.1)** |
| **Neonatal necrotising enterocolitis (Q464.)** | 64 | (54) | 54 | (46) | 0 | (0) | 0 | (0) | **118** | **(2.1)** |
| **Acute bronchiolitis (H061.)** | 61 | (52) | 56 | (48) | 0 | (0) | 0 | (0) | **117** | **(2.1)** |
| **Gastro-oesophageal reflux disease (X3003)** | 63 | (55) | 52 | (45) | 0 | (0) | 0 | (0) | **115** | **(2.0)** |
| **Total** | **3,209** | **(56.6)** | **2,448** | **(43.2)** | **1** | **(0.0)** | **12** | **(0.2)** | **5,670** | |

**Table 24 Most commonly returned Read Codes for primary reason for 'unplanned - following surgery' admissions, 2005 - 200**

| Primary Diagnosis | Sex | | | | | | | | Total | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Male | | Female | | Ambiguous | | Unknown | | | |
| | n | % | n | % | n | % | n | % | n | % |
| **Hypoplastic left heart syndrome (P67..)** | 28 | (82) | 6 | (18) | 0 | (0) | 0 | (0) | **34** | **(11.4)** |
| **Patent ductus arteriosus (P70..)** | 17 | (61) | 11 | (39) | 0 | (0) | 0 | (0) | **28** | **(9.4)** |
| **Ventricular septal defect (P54..)** | 13 | (50) | 13 | (50) | 0 | (0) | 0 | (0) | **26** | **(8.7)** |
| **Discordant ventriculoarterial connection (P51..)** | 17 | (77) | 5 | (23) | 0 | (0) | 0 | (0) | **22** | **(7.4)** |
| **Intussusception (J500.)** | 12 | (60) | 8 | (40) | 0 | (0) | 0 | (0) | **20** | **(6.7)** |
| **Empyema (XaE01)** | 4 | (27) | 11 | (73) | 0 | (0) | 0 | (0) | **15** | **(5.0)** |
| **Appendicitis (Xa9C4)** | 1 | (9) | 10 | (91) | 0 | (0) | 0 | (0) | **11** | **(3.7)** |
| **Respiratory failure (XM09V)** | 8 | (73) | 3 | (27) | 0 | (0) | 0 | (0) | **11** | **(3.7)** |
| **Respiratory obstruction (XM05Q)** | 9 | (82) | 2 | (18) | 0 | (0) | 0 | (0) | **11** | **(3.7)** |
| **Congenital heart disease (X77tW)** | 5 | (50) | 5 | (50) | 0 | (0) | 0 | (0) | **10** | **(3.3)** |
| **Hirschsprung's disease (PB30.)** | 7 | (78) | 2 | (22) | 0 | (0) | 0 | (0) | **9** | **(3.0)** |
| **Neonatal necrotising enterocolitis (Q464.)** | 4 | (44) | 5 | (56) | 0 | (0) | 0 | (0) | **9** | **(3.0)** |
| **Obstruction of intestine (X305B)** | 6 | (67) | 3 | (33) | 0 | (0) | 0 | (0) | **9** | **(3.0)** |
| **Pneumonia (X100E)** | 3 | (33) | 6 | (67) | 0 | (0) | 0 | (0) | **9** | **(3.0)** |
| **Obstructive sleep apnoea (X0084)** | 4 | (50) | 4 | (50) | 0 | (0) | 0 | (0) | **8** | **(2.7)** |
| **Hydrocephalus (X00EG)** | 4 | (50) | 4 | (50) | 0 | (0) | 0 | (0) | **8** | **(2.7)** |
| **Pulmonary valve stenosis (X201I)** | 4 | (50) | 4 | (50) | 0 | (0) | 0 | (0) | **8** | **(2.7)** |
| **Small bowel obstruction (Xa1hT)** | 6 | (75) | 2 | (25) | 0 | (0) | 0 | (0) | **8** | **(2.7)** |
| **Coarctation of aorta NOS (P71z.)** | 4 | (57) | 3 | (43) | 0 | (0) | 0 | (0) | **7** | **(2.3)** |
| **Gastro-oesophageal reflux disease (X3003)** | 2 | (33) | 4 | (67) | 0 | (0) | 0 | (0) | **6** | **(2.0)** |
| **Inguinal hernia (XE0aW)** | 2 | (33) | 4 | (67) | 0 | (0) | 0 | (0) | **6** | **(2.0)** |
| **Pulmonary valve atresia (X77zV)** | 3 | (50) | 3 | (50) | 0 | (0) | 0 | (0) | **6** | **(2.0)** |
| **Peritonitis (J55..)** | 6 | (100) | 0 | (0) | 0 | (0) | 0 | (0) | **6** | **(2.0)** |
| **Subglottic stenosis (X00nG)** | 4 | (67) | 2 | (33) | 0 | (0) | 0 | (0) | **6** | **(2.0)** |
| **Sleep apnoea (X0083)** | 5 | (83) | 1 | (17) | 0 | (0) | 0 | (0) | **6** | **(2.0)** |
| **Total** | **178** | **(59.5)** | **121** | **(40.5)** | **0** | **(0.0)** | **0** | **(0.0)** | **299** | |

**7**

**Table 25 Most commonly returned Read Codes for primary reason for 'unplanned - other' admission, 2005 - 2007**

| Primary Diagnosis | Sex | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Male | | Female | | Ambiguous | | Unknown | | Total | |
| | n | % | n | % | n | % | n | % | n | % |
| **Bronchiolitis (XSDOK)** | 276 | (58) | 202 | (42) | 0 | (0) | 0 | (0) | **478** | **(13.2)** |
| **Status epilepticus (X007B)** | 196 | (56) | 150 | (43) | 0 | (0) | 1 | (0) | **347** | **(9.6)** |
| **Respiratory failure (XM09V)** | 179 | (57) | 137 | (43) | 0 | (0) | 0 | (0) | **316** | **(8.7)** |
| **Sepsis (X70VZ)** | 150 | (49) | 154 | (51) | 0 | (0) | 0 | (0) | **304** | **(8.4)** |
| **Pneumonia (X100E)** | 148 | (57) | 111 | (43) | 0 | (0) | 0 | (0) | **259** | **(7.2)** |
| **Epileptic seizures - clonic (F2512)** | 98 | (53) | 86 | (47) | 0 | (0) | 0 | (0) | **184** | **(5.1)** |
| **Acute bronchiolitis due to respiratory syncytial virus (H0615)** | 81 | (58) | 58 | (41) | 1 | (1) | 0 | (0) | **140** | **(3.9)** |
| **Asthma (H33..)** | 65 | (51) | 63 | (49) | 0 | (0) | 0 | (0) | **128** | **(3.5)** |
| **Febrile convulsion (XM03I)** | 74 | (63) | 44 | (37) | 0 | (0) | 0 | (0) | **118** | **(3.3)** |
| **Acute bronchiolitis (H061.)** | 58 | (53) | 52 | (47) | 0 | (0) | 0 | (0) | **110** | **(3.0)** |
| **Acute laryngotracheobronchitis (Xa0lW)** | 73 | (67) | 36 | (33) | 0 | (0) | 0 | (0) | **109** | **(3.0)** |
| **Diabetic ketoacidosis (C101.)** | 47 | (48) | 50 | (51) | 1 | (1) | 0 | (0) | **98** | **(2.7)** |
| **Status asthmaticus (X102D)** | 61 | (62) | 37 | (38) | 0 | (0) | 0 | (0) | **98** | **(2.7)** |
| **Neonatal necrotising enterocolitis (Q464.)** | 52 | (56) | 41 | (44) | 0 | (0) | 0 | (0) | **93** | **(2.6)** |
| **Respiratory distress (XM07z)** | 53 | (60) | 35 | (40) | 0 | (0) | 0 | (0) | **88** | **(2.4)** |
| **Meningococcal septicaemia (A362.)** | 47 | (54) | 40 | (46) | 0 | (0) | 0 | (0) | **87** | **(2.4)** |
| **Aspiration pneumonitis (H47..)** | 40 | (47) | 45 | (53) | 0 | (0) | 0 | (0) | **85** | **(2.4)** |
| **Hypoplastic left heart syndrome (P67..)** | 49 | (60) | 32 | (40) | 0 | (0) | 0 | (0) | **81** | **(2.2)** |
| **Respiratory obstruction (XM05Q)** | 48 | (62) | 30 | (38) | 0 | (0) | 0 | (0) | **78** | **(2.2)** |
| **Injury of head region (XA003)** | 41 | (53) | 36 | (47) | 0 | (0) | 0 | (0) | **77** | **(2.1)** |
| **Head injury NOS (XA004)** | 46 | (65) | 25 | (35) | 0 | (0) | 0 | (0) | **71** | **(2.0)** |
| **Ventricular septal defect (P54..)** | 37 | (52) | 34 | (48) | 0 | (0) | 0 | (0) | **71** | **(2.0)** |
| **Supraventricular tachycardia (Xa0k6)** | 37 | (57) | 28 | (43) | 0 | (0) | 0 | (0) | **65** | **(1.8)** |
| **Meconium aspiration syndrome (Q3110)** | 36 | (56) | 28 | (44) | 0 | (0) | 0 | (0) | **64** | **(1.8)** |
| **Discordant ventriculoarterial connection (P51..)** | 51 | (81) | 12 | (19) | 0 | (0) | 0 | (0) | **63** | **(1.7)** |
| **Total** | **2,043** | **(56.6)** | **1,566** | **(43.4)** | **2** | **(0.1)** | **1** | **(0.0)** | **3,612** | |

**Table 26 Retrievals by team type and age, 2005 - 2007**

| Retrieval Team | Age Group (Years) <1 n | <1 % | 1-4 n | 1-4 % | 5-10 n | 5-10 % | 11-15 n | 11-15 % | Total n | Total % |
|---|---|---|---|---|---|---|---|---|---|---|
| **Own team** | 727 | (49) | 412 | (28) | 197 | (13) | 154 | (10) | **1,490** | **(24.0)** |
| **Other specialist team (PICU)** | 1,781 | (53) | 852 | (25) | 405 | (12) | 327 | (10) | **3,365** | **(54.2)** |
| **Other specialist team (non-PICU)** | 438 | (72) | 69 | (11) | 47 | (8) | 57 | (9) | **611** | **(9.8)** |
| **Non-specialist team** | 333 | (62) | 90 | (17) | 48 | (9) | 65 | (12) | **536** | **(8.6)** |
| **Unknown** | 100 | (48) | 65 | (31) | 29 | (14) | 16 | (8) | **210** | **(3.4)** |
| **Total** | **3,379** | **(54.4)** | **1,488** | **(24.0)** | **726** | **(11.7)** | **619** | **(10.0)** | **6,212** | |

**Figure 26 Retrievals by team type, 2005 - 2007**

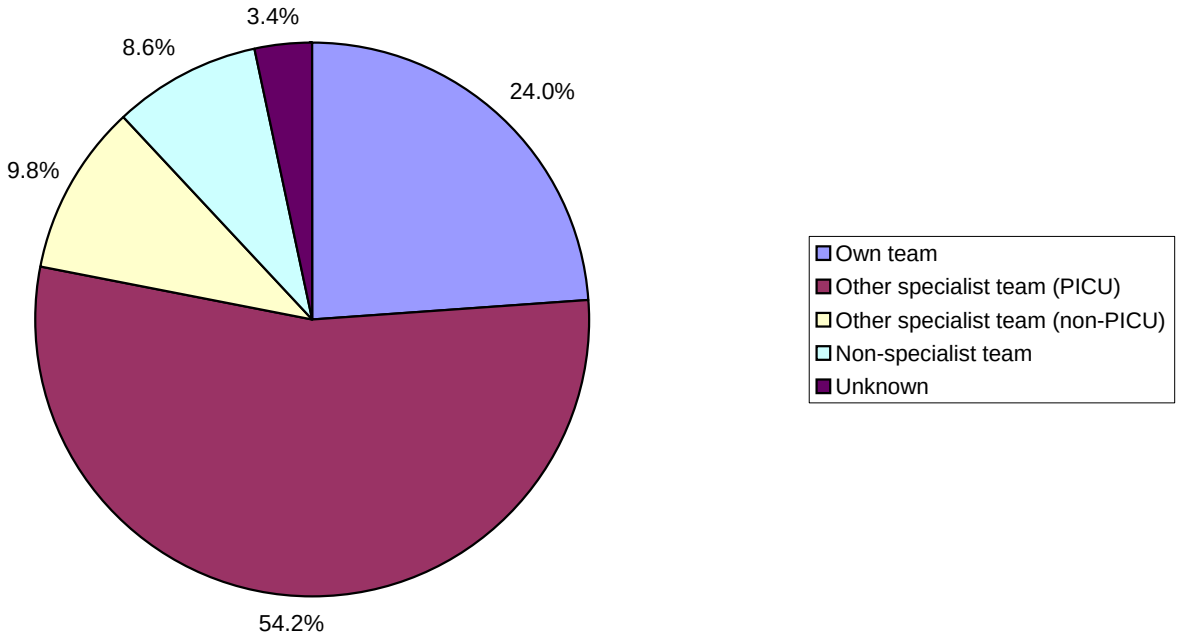


**Table 27 'Non-specialist team' retrievals by diagnostic group and age, 2005 - 2007**

| Diagnostic Group | Age Group (Years) | | | | | | | | Total | |
|---|---|---|---|---|---|---|---|---|---|---|
| | <1 | | 1-4 | | 5-10 | | 11-15 | | | |
| | n | % | n | % | n | % | n | % | n | % |
| **Blood / lymphatic** | 2 | (67) | 0 | (0) | 0 | (0) | 1 | (33) | **3** | **(0.6)** |
| **Body wall and cavities** | 16 | (94) | 1 | (6) | 0 | (0) | 0 | (0) | **17** | **(3.2)** |
| **Cardiovascular** | 119 | (79) | 13 | (9) | 7 | (5) | 11 | (7) | **150** | **(28.0)** |
| **Endocrine / metabolic** | 7 | (88) | 1 | (13) | 0 | (0) | 0 | (0) | **8** | **(1.5)** |
| **Gastrointestinal** | 30 | (65) | 7 | (15) | 5 | (11) | 4 | (9) | **46** | **(8.6)** |
| **Infection** | 5 | (36) | 2 | (14) | 3 | (21) | 4 | (29) | **14** | **(2.6)** |
| **Multisystem** | 2 | (100) | 0 | (0) | 0 | (0) | 0 | (0) | **2** | **(0.4)** |
| **Musculoskeletal** | 3 | (50) | 2 | (33) | 1 | (17) | 0 | (0) | **6** | **(1.1)** |
| **Neurological** | 28 | (44) | 11 | (17) | 10 | (16) | 14 | (22) | **63** | **(11.8)** |
| **Oncology** | 3 | (16) | 11 | (58) | 3 | (16) | 2 | (11) | **19** | **(3.5)** |
| **Respiratory** | 89 | (66) | 29 | (22) | 7 | (5) | 9 | (7) | **134** | **(25.0)** |
| **Trauma** | 4 | (10) | 8 | (19) | 11 | (26) | 19 | (45) | **42** | **(7.8)** |
| **Other** | 25 | (78) | 5 | (16) | 1 | (3) | 1 | (3) | **32** | **(6.0)** |
| **Total** | **333** | **(62.1)** | **90** | **(16.8)** | **48** | **(9.0)** | **65** | **(12.1)** | **536** | |

**Table 28 Retrievals by retrieval type by NHS trust, 2005 - 2007**

| Year | NHS Trust | Retrieval Team: Own team n | % | Other specialist team (PICU) n | % | Other specialist team (non-PICU) n | % | Non-specialist team n | % | Unknown n | % | Total n | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **2005** | **A** | 29 | (22) | 55 | (43) | 45 | (35) | 0 | (0) | 0 | (0) | **129** | **(6.1)** |
| | **B** | 1 | (10) | 1 | (10) | 4 | (40) | 4 | (40) | 0 | (0) | **10** | **(0.5)** |
| | **E** | 0 | (0) | 573 | (80) | 2 | (0) | 142 | (20) | 0 | (0) | **717** | **(33.8)** |
| | **F** | 433 | (71) | 100 | (16) | 58 | (10) | 16 | (3) | 0 | (0) | **607** | **(28.6)** |
| | **H** | 3 | (2) | 101 | (78) | 17 | (13) | 8 | (6) | 0 | (0) | **129** | **(6.1)** |
| | **J** | 3 | (43) | 2 | (29) | 0 | (0) | 2 | (29) | 0 | (0) | **7** | **(0.3)** |
| | **O** | 4 | (4) | 42 | (45) | 5 | (5) | 1 | (1) | 42 | (45) | **94** | **(4.4)** |
| | **T** | 0 | (0) | 91 | (77) | 2 | (2) | 25 | (21) | 0 | (0) | **118** | **(5.6)** |
| | **U** | 0 | (0) | 147 | (47) | 7 | (2) | 0 | (0) | 156 | (50) | **310** | **(14.6)** |
| **2005 Total** | | **473** | **(22.3)** | **1,112** | **(52.4)** | **140** | **(6.6)** | **198** | **(9.3)** | **198** | **(9.3)** | 2,121 | |
| **2006** | **A** | 50 | (38) | 42 | (32) | 17 | (13) | 23 | (17) | 0 | (0) | **132** | **(6.5)** |
| | **B** | 2 | (20) | 4 | (40) | 3 | (30) | 1 | (10) | 0 | (0) | **10** | **(0.5)** |
| | **E** | 6 | (1) | 593 | (80) | 4 | (1) | 140 | (19) | 0 | (0) | **743** | **(36.7)** |
| | **F** | 388 | (80) | 66 | (14) | 10 | (2) | 20 | (4) | 0 | (0) | **484** | **(23.9)** |
| | **H** | 6 | (5) | 91 | (83) | 7 | (6) | 6 | (5) | 0 | (0) | **110** | **(5.4)** |
| | **J** | 0 | (0) | 0 | (0) | 2 | (100) | 0 | (0) | 0 | (0) | **2** | **-** |
| | **O** | 2 | (1) | 15 | (10) | 129 | (88) | 0 | (0) | 1 | (1) | **147** | **(7.3)** |
| | **T** | 0 | (0) | 118 | (91) | 1 | (1) | 11 | (8) | 0 | (0) | **130** | **(6.4)** |
| | **U** | 3 | (1) | 236 | (88) | 19 | (7) | 1 | (0) | 9 | (3) | **268** | **(13.2)** |
| **2006 Total** | | **457** | **(22.6)** | **1,165** | **(57.5)** | **192** | **(9.5)** | **202** | **(10.0)** | **10** | **(0.5)** | 2,026 | |
| **2007** | **A** | 43 | (24) | 78 | (43) | 60 | (33) | 1 | (1) | 0 | (0) | **182** | **(8.8)** |
| | **B** | 3 | (23) | 4 | (31) | 0 | (0) | 6 | (46) | 0 | (0) | **13** | **(0.6)** |
| | **E** | 9 | (2) | 438 | (78) | 3 | (1) | 109 | (19) | 0 | (0) | **559** | **(27.1)** |
| | **F** | 457 | (79) | 104 | (18) | 13 | (2) | 4 | (1) | 0 | (0) | **578** | **(28.0)** |
| | **H** | 5 | (5) | 76 | (84) | 9 | (10) | 1 | (1) | 0 | (0) | **91** | **(4.4)** |
| | **J** | 0 | (0) | 1 | (50) | 1 | (50) | 0 | (0) | 0 | (0) | **2** | **-** |
| | **O** | 0 | (0) | 4 | (2) | 182 | (98) | 0 | (0) | 0 | (0) | **186** | **(9.0)** |
| | **T** | 0 | (0) | 109 | (94) | 4 | (3) | 2 | (2) | 1 | (1) | **116** | **(5.6)** |
| | **U** | 9 | (3) | 262 | (95) | 3 | (1) | 1 | (0) | 0 | (0) | **275** | **(13.3)** |
| | **Z** | 34 | (54) | 12 | (19) | 4 | (6) | 12 | (19) | 1 | (2) | **63** | **(3.1)** |
| **2007 Total** | | **560** | **(27.1)** | **1,088** | **(52.7)** | **279** | **(13.5)** | **136** | **(6.6)** | **2** | **(0.1)** | 2,065 | |
| **Grand Total** | | **1,490** | **(24.0)** | **3,365** | **(54.2)** | **611** | **(9.8)** | **536** | **(8.6)** | **210** | **(3.4)** | 6,212 | |

**Table 29 Interventions received by NHS trust, 2005 - 2007**

| Year | NHS Trust | Intervention: Invasive Ventilation n | % | Non-Invasive Ventilation n | % | Tracheostomy n | % | ECMO n | % | IV Vasoactive Drugs n | % | LVAD n | % | ICP Device n | % | Renal Support n | % | Admissions n | % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **2005** | **A** | 171 | (41) | 40 | (10) | 8 | (2) | 0 | (0) | 55 | (13) | 0 | (0) | 21 | (5) | 0 | (0) | **420** | **(8.1)** |
| | **B** | 29 | (13) | 17 | (7) | 10 | (4) | 0 | (0) | 8 | (3) | 0 | (0) | 0 | (0) | 0 | (0) | **232** | **(4.5)** |
| | **E** | 1,308 | (86) | 174 | (11) | 43 | (3) | 44 | (3) | 746 | (49) | 2 | (0) | 59 | (4) | 63 | (4) | **1,515** | **(29.3)** |
| | **F** | 911 | (81) | 119 | (11) | 12 | (1) | 0 | (0) | 333 | (30) | 0 | (0) | 0 | (0) | 33 | (3) | **1,123** | **(21.7)** |
| | **H** | 249 | (72) | 22 | (6) | 5 | (1) | 0 | (0) | 54 | (16) | 0 | (0) | 23 | (7) | 21 | (6) | **347** | **(6.7)** |
| | **J** | 29 | (30) | 10 | (10) | 0 | (0) | 0 | (0) | 2 | (2) | 0 | (0) | 1 | (1) | 1 | (1) | **96** | **(1.9)** |
| | **O** | 427 | (70) | 123 | (20) | 3 | (0) | 3 | (0) | 363 | (59) | 0 | (0) | 0 | (0) | 24 | (4) | **613** | **(11.9)** |
| | **T** | 139 | (34) | 92 | (22) | 2 | (0) | 0 | (0) | 28 | (7) | 0 | (0) | 4 | (1) | 4 | (1) | **413** | **(8.0)** |
| | **U** | 285 | (70) | 93 | (23) | 11 | (3) | 0 | (0) | 111 | (27) | 0 | (0) | 2 | (0) | 6 | (1) | **408** | **(7.9)** |
| **2005 Total** | | **3,548** | **(68.7)** | **690** | **(13.4)** | **94** | **(1.8)** | **47** | **###** | **1,700** | **(32.9)** | **2** | **(0.0)** | **110** | **(2.1)** | **152** | **(2.9)** | 5,167 | |
| **2006** | **A** | 180 | (40) | 34 | (8) | 10 | (2) | 0 | (0) | 50 | (11) | 0 | (0) | 21 | (5) | 2 | (0) | **449** | **(8.6)** |
| | **B** | 14 | (6) | 35 | (15) | 3 | (1) | 0 | (0) | 1 | (0) | 0 | (0) | 1 | (0) | 0 | (0) | **226** | **(4.3)** |
| | **E** | 1,403 | (88) | 148 | (9) | 43 | (3) | 57 | (4) | 771 | (48) | 2 | (0) | 57 | (4) | 80 | (5) | **1,599** | **(30.7)** |
| | **F** | 859 | (79) | 108 | (10) | 14 | (1) | 1 | (0) | 352 | (32) | 0 | (0) | 0 | (0) | 42 | (4) | **1,087** | **(20.8)** |
| | **H** | 230 | (73) | 29 | (9) | 6 | (2) | 0 | (0) | 59 | (19) | 0 | (0) | 10 | (3) | 23 | (7) | **315** | **(6.0)** |
| | **J** | 25 | (34) | 7 | (9) | 0 | (0) | 0 | (0) | 5 | (7) | 0 | (0) | 0 | (0) | 0 | (0) | **74** | **(1.4)** |
| | **O** | 473 | (72) | 146 | (22) | 2 | (0) | 3 | (0) | 379 | (58) | 0 | (0) | 0 | (0) | 25 | (4) | **656** | **(12.6)** |
| | **T** | 179 | (40) | 120 | (27) | 0 | (0) | 0 | (0) | 33 | (7) | 0 | (0) | 9 | (2) | 2 | (0) | **442** | **(8.5)** |
| | **U** | 285 | (78) | 87 | (24) | 8 | (2) | 0 | (0) | 100 | (27) | 0 | (0) | 1 | (0) | 6 | (2) | **367** | **(7.0)** |
| **2006 Total** | | **3,648** | **(70.0)** | **714** | **(13.7)** | **86** | **(1.6)** | **61** | **###** | **1,750** | **(33.6)** | **2** | **(0.0)** | **99** | **(1.9)** | **180** | **(3.5)** | 5,215 | |
| **2007** | **A** | 201 | (39) | 30 | (6) | 9 | (2) | 2 | (0) | 60 | (12) | 0 | (0) | 13 | (3) | 2 | (0) | **512** | **(9.5)** |
| | **B** | 17 | (10) | 34 | (20) | 2 | (1) | 1 | (1) | 5 | (3) | 0 | (0) | 0 | (0) | 0 | (0) | **171** | **(3.2)** |
| | **E** | 1,174 | (85) | 111 | (8) | 56 | (4) | 49 | (4) | 689 | (50) | 11 | (1) | 47 | (3) | 59 | (4) | **1,383** | **(25.6)** |
| | **F** | 938 | (79) | 101 | (9) | 13 | (1) | 0 | (0) | 378 | (32) | 0 | (0) | 0 | (0) | 32 | (3) | **1,180** | **(21.8)** |
| | **H** | 135 | (46) | 11 | (4) | 3 | (1) | 1 | (0) | 20 | (7) | 0 | (0) | 7 | (2) | 9 | (3) | **292** | **(5.4)** |
| | **J** | 22 | (18) | 15 | (13) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | **119** | **(2.2)** |
| | **O** | 425 | (67) | 139 | (22) | 3 | (0) | 1 | (0) | 311 | (49) | 0 | (0) | 1 | (0) | 22 | (3) | **638** | **(11.8)** |
| | **T** | 167 | (43) | 85 | (22) | 1 | (0) | 0 | (0) | 44 | (11) | 0 | (0) | 12 | (3) | 6 | (2) | **385** | **(7.1)** |
| | **U** | 292 | (80) | 77 | (21) | 4 | (1) | 0 | (0) | 92 | (25) | 0 | (0) | 1 | (0) | 11 | (3) | **367** | **(6.8)** |
| | **Z** | 47 | (13) | 70 | (20) | 7 | (2) | 2 | (1) | 5 | (1) | 1 | (0) | 0 | (0) | 2 | (1) | **357** | **(6.6)** |
| **2007 Total** | | **3,418** | **(63.2)** | **673** | **(12.5)** | **98** | **(1.8)** | **56** | **###** | **1,604** | **(29.7)** | **12** | **(0.2)** | **81** | **(1.5)** | **143** | **(2.6)** | 5,404 | |
| **Grand Total** | | **10,614** | **(67.2)** | **2,077** | **(13.2)** | **278** | **(1.8)** | **164** | **###** | **5,054** | **(32.0)** | **16** | **(0.1)** | **290** | **(1.8)** | **475** | **(3.0)** | 15,786 | |

**Table 30 Admissions by ventilation status and age, 2005 - 2007**

| Ventilation Status | Age Group (Years) | | | | | | | | Total | |
|---|---|---|---|---|---|---|---|---|---|---|
| | <1 | | 1-4 | | 5-10 | | 11-15 | | | |
| | n | % | n | % | n | % | n | % | n | % |
| | | | | | | | | | | |
| **Invasive only** | 4,646 | (50) | 2,516 | (27) | 1,159 | (12) | 953 | (10) | **9,274** | **(58.7)** |
| **Non-invasive only** | 411 | (56) | 161 | (22) | 85 | (12) | 80 | (11) | **737** | **(4.7)** |
| **Both** | 925 | (69) | 215 | (16) | 94 | (7) | 106 | (8) | **1,340** | **(8.5)** |
| **Neither** | 1,705 | (39) | 1,254 | (29) | 751 | (17) | 686 | (16) | **4,396** | **(27.8)** |
| **Unknown** | 9 | (23) | 16 | (41) | 4 | (10) | 10 | (26) | **39** | **(0.2)** |
| **Total** | **7,696** | **(48.8)** | **4,162** | **(26.4)** | **2,093** | **(13.3)** | **1,835** | **(11.6)** | **15,786** | |

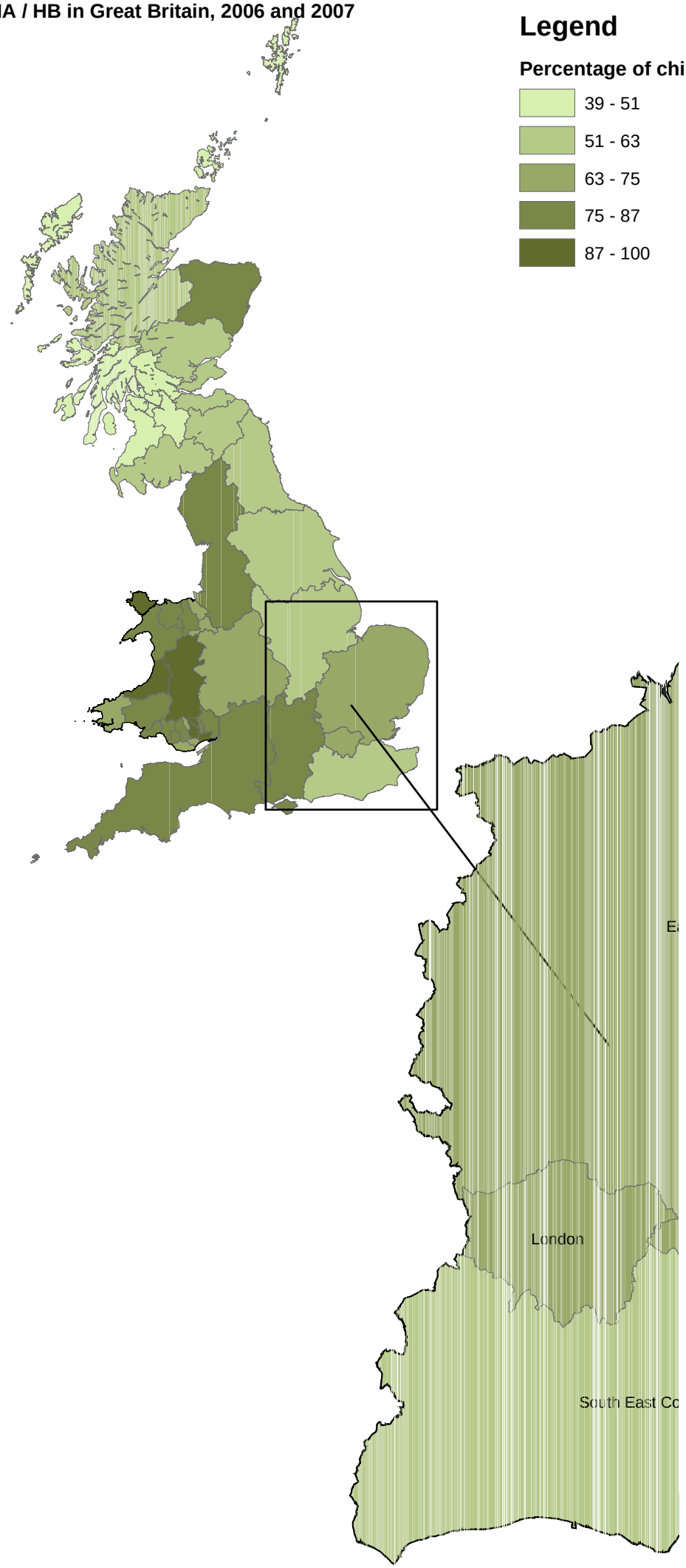
 

**Table 31 Admissions by ventilation status by NHS trust, 2005 - 2007**

| Year | NHS Trust | Ventilation Status | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Invasive only | | Non-invasive only | | Both | | Neither | | Unknown | | Total | |
| | | n | % | n | % | n | % | n | % | n | % | n | % |
| **2005** | **A** | 150 | (36) | 19 | (5) | 21 | (5) | 230 | (55) | 0 | (0) | **420** | **(8.1)** |
| | **B** | 25 | (11) | 13 | (6) | 4 | (2) | 190 | (82) | 0 | (0) | **232** | **(4.5)** |
| | **E** | 1,175 | (78) | 41 | (3) | 133 | (9) | 166 | (11) | 0 | (0) | **1,515** | **(29.3)** |
| | **F** | 822 | (73) | 30 | (3) | 89 | (8) | 182 | (16) | 0 | (0) | **1,123** | **(21.7)** |
| | **H** | 236 | (68) | 9 | (3) | 13 | (4) | 73 | (21) | 16 | (5) | **347** | **(6.7)** |
| | **J** | 27 | (28) | 8 | (8) | 2 | (2) | 59 | (61) | 0 | (0) | **96** | **(1.9)** |
| | **O** | 332 | (54) | 28 | (5) | 95 | (15) | 158 | (26) | 0 | (0) | **613** | **(11.9)** |
| | **T** | 105 | (25) | 58 | (14) | 34 | (8) | 216 | (52) | 0 | (0) | **413** | **(8.0)** |
| | **U** | 219 | (54) | 27 | (7) | 66 | (16) | 96 | (24) | 0 | (0) | **408** | **(7.9)** |
| **2005 Total** | | **3,091** | **(59.8)** | **233** | **(4.5)** | **457** | **(8.8)** | **1,370** | **(26.5)** | **16** | **(0.3)** | 5,167 | |
| **2006** | **A** | 163 | (36) | 17 | (4) | 17 | (4) | 252 | (56) | 0 | (0) | **449** | **(8.6)** |
| | **B** | 8 | (4) | 29 | (13) | 6 | (3) | 183 | (81) | 0 | (0) | **226** | **(4.3)** |
| | **E** | 1,289 | (81) | 34 | (2) | 114 | (7) | 162 | (10) | 0 | (0) | **1,599** | **(30.7)** |
| | **F** | 773 | (71) | 22 | (2) | 86 | (8) | 206 | (19) | 0 | (0) | **1,087** | **(20.8)** |
| | **H** | 208 | (66) | 7 | (2) | 22 | (7) | 70 | (22) | 8 | (3) | **315** | **(6.0)** |
| | **J** | 22 | (30) | 4 | (5) | 3 | (4) | 45 | (61) | 0 | (0) | **74** | **(1.4)** |
| | **O** | 363 | (55) | 36 | (5) | 110 | (17) | 147 | (22) | 0 | (0) | **656** | **(12.6)** |
| | **T** | 126 | (29) | 67 | (15) | 53 | (12) | 196 | (44) | 0 | (0) | **442** | **(8.5)** |
| | **U** | 222 | (60) | 24 | (7) | 63 | (17) | 58 | (16) | 0 | (0) | **367** | **(7.0)** |
| **2006 Total** | | **3,174** | **(60.9)** | **240** | **(4.6)** | **474** | **(9.1)** | **1,319** | **(25.3)** | **8** | **(0.2)** | 5,215 | |
| **2007** | **A** | 180 | (35) | 9 | (2) | 21 | (4) | 302 | (59) | 0 | (0) | **512** | **(9.5)** |
| | **B** | 9 | (5) | 26 | (15) | 8 | (5) | 128 | (75) | 0 | (0) | **171** | **(3.2)** |
| | **E** | 1,095 | (79) | 32 | (2) | 79 | (6) | 177 | (13) | 0 | (0) | **1,383** | **(25.6)** |
| | **F** | 855 | (72) | 18 | (2) | 83 | (7) | 224 | (19) | 0 | (0) | **1,180** | **(21.8)** |
| | **H** | 129 | (44) | 5 | (2) | 6 | (2) | 144 | (49) | 8 | (3) | **292** | **(5.4)** |
| | **J** | 18 | (15) | 11 | (9) | 4 | (3) | 86 | (72) | 0 | (0) | **119** | **(2.2)** |
| | **O** | 330 | (52) | 44 | (7) | 95 | (15) | 169 | (26) | 0 | (0) | **638** | **(11.8)** |
| | **T** | 121 | (31) | 39 | (10) | 46 | (12) | 179 | (46) | 0 | (0) | **385** | **(7.1)** |
| | **U** | 234 | (64) | 19 | (5) | 58 | (16) | 56 | (15) | 0 | (0) | **367** | **(6.8)** |
| | **Z** | 38 | (11) | 61 | (17) | 9 | (3) | 242 | (68) | 7 | (2) | **357** | **(6.6)** |
| **2007 Total** | | **3,009** | **(55.7)** | **264** | **(4.9)** | **409** | **(7.6)** | **1,707** | **(31.6)** | **15** | **(0.3)** | 5,404 | |
| **Grand Total** | | **9,274** | **(58.7)** | **737** | **(4.7)** | **1,340** | **(8.5)** | **4,396** | **(27.8)** | **39** | **(0.2)** | 15,786 | |

**Figure 31a Percentage of children receiving invasive ventilation by SHA / HB in Great Britain, 2006 and 2007**

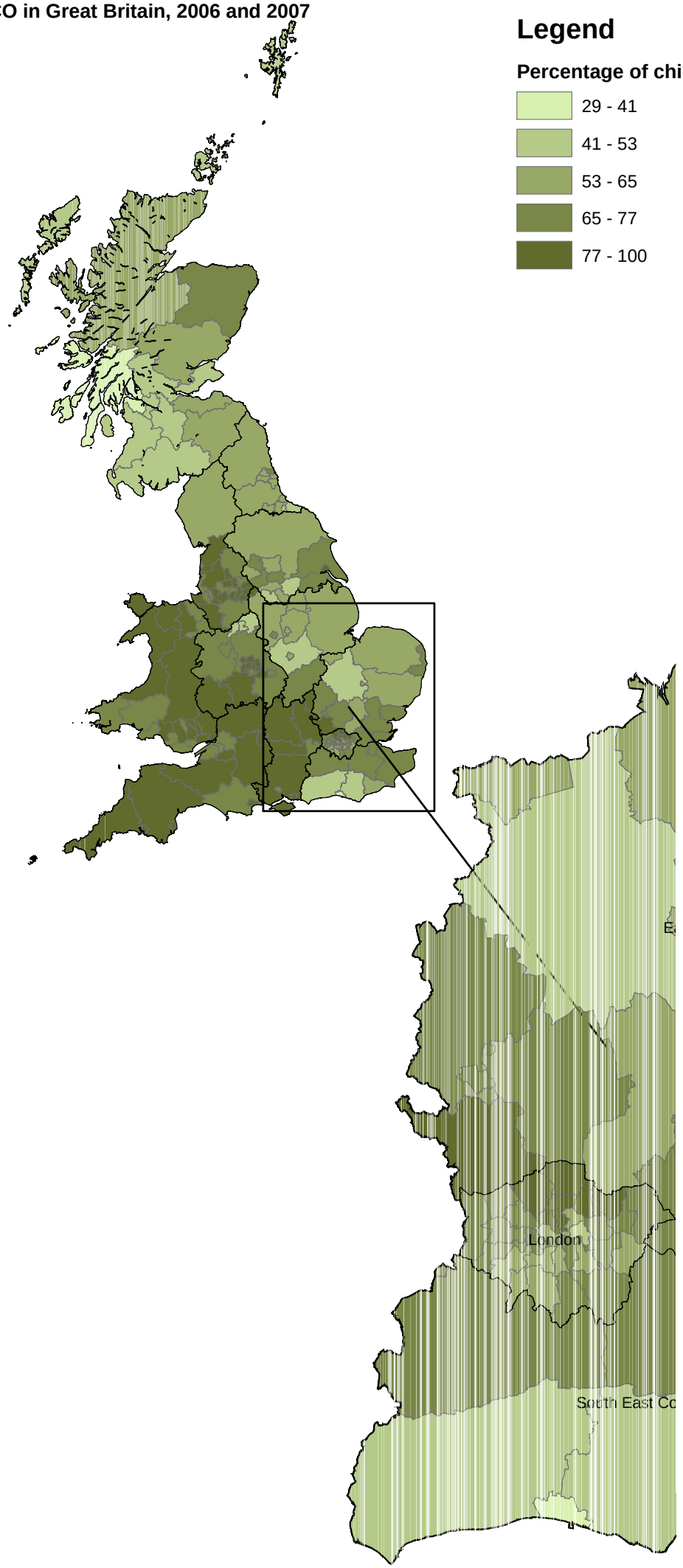







Note: Birmingham Children's Hospital did not supply intervention data for 2005, so data for 2006 and 2007 only are presented.

**Figure 31b Percentage of children receiving invasive ventilation by PCO in Great Britain, 2006 and 2007**





Note: Birmingham Children's Hospital did not supply intervention data for 2005, so data for 2006 and 2007 only are presented.

**Table 32 Bed days by age and sex, 2005 - 2007**

| Age (Years) | Sex | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Male | | Female | | Ambiguous | | Unknown | | Total | |
| | n | % | n | % | n | % | n | % | n | % |
| **0** | 29,560 | (59) | 20,479 | (41) | 10 | (0) | 62 | (0) | **50,111** | **(56.9)** |
| **1** | 5,205 | (56) | 4,079 | (44) | 4 | (0) | 13 | (0) | **9,301** | **(10.6)** |
| **2** | 2,407 | (53) | 2,154 | (47) | 0 | (0) | 6 | (0) | **4,567** | **(5.2)** |
| **3** | 2,354 | (63) | 1,373 | (37) | 0 | (0) | 2 | (0) | **3,729** | **(4.2)** |
| **4** | 1,144 | (57) | 846 | (43) | 0 | (0) | 0 | (0) | **1,990** | **(2.3)** |
| **5** | 1,104 | (56) | 856 | (43) | 0 | (0) | 9 | (0) | **1,969** | **(2.2)** |
| **6** | 694 | (51) | 662 | (49) | 0 | (0) | 3 | (0) | **1,359** | **(1.5)** |
| **7** | 779 | (43) | 1,021 | (57) | 0 | (0) | 0 | (0) | **1,800** | **(2.0)** |
| **8** | 763 | (59) | 531 | (41) | 1 | (0) | 0 | (0) | **1,295** | **(1.5)** |
| **9** | 879 | (47) | 976 | (53) | 0 | (0) | 0 | (0) | **1,855** | **(2.1)** |
| **10** | 749 | (49) | 770 | (51) | 0 | (0) | 0 | (0) | **1,519** | **(1.7)** |
| **11** | 600 | (49) | 629 | (51) | 0 | (0) | 0 | (0) | **1,229** | **(1.4)** |
| **12** | 940 | (53) | 828 | (47) | 0 | (0) | 0 | (0) | **1,768** | **(2.0)** |
| **13** | 983 | (50) | 975 | (50) | 0 | (0) | 4 | (0) | **1,962** | **(2.2)** |
| **14** | 933 | (50) | 932 | (50) | 0 | (0) | 0 | (0) | **1,865** | **(2.1)** |
| **15** | 804 | (46) | 926 | (54) | 0 | (0) | 0 | (0) | **1,730** | **(2.0)** |
| **Total** | **49,898** | **(56.7)** | **38,037** | **(43.2)** | **15** | **(0.0)** | **99** | **(0.1)** | **88,049** | |

**Figure 32 Bed days by age and sex, 2005 - 2007**

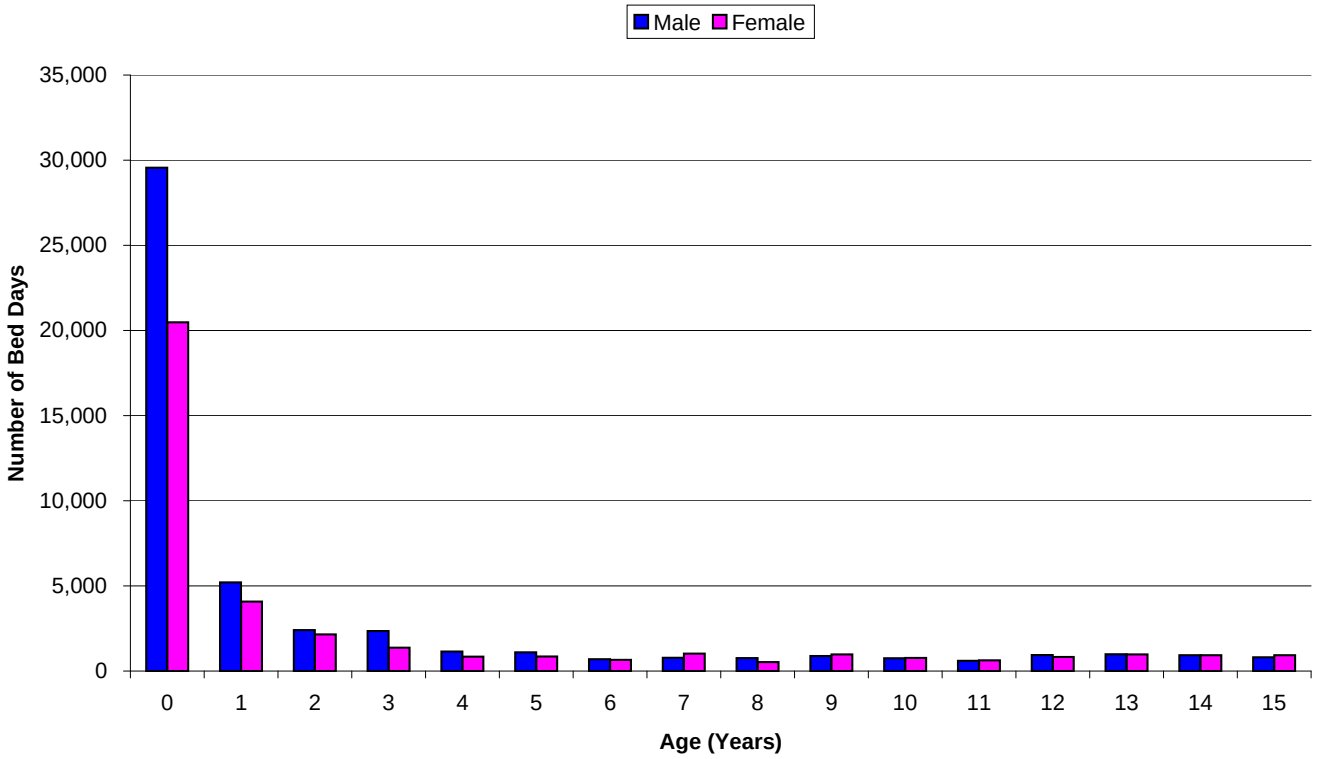


**Table 33 Bed days by age by NHS trust, 2005 - 2007**

| Year | NHS Trust | Age Group (Years) <1 n | <1 % | 1-4 n | 1-4 % | 5-10 n | 5-10 % | 11-15 n | 11-15 % | Total n | Total % |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **2005** | **A** | 731 | (38) | 379 | (20) | 611 | (32) | 207 | (11) | **1,928** | **(6.6)** |
| | **B** | 215 | (37) | 144 | (25) | 52 | (9) | 163 | (28) | **574** | **(2.0)** |
| | **E** | 6,419 | (60) | 2,251 | (21) | 1,239 | (12) | 821 | (8) | **10,730** | **(36.7)** |
| | **F** | 3,385 | (63) | 1,208 | (23) | 453 | (8) | 295 | (6) | **5,341** | **(18.3)** |
| | **H** | 790 | (44) | 477 | (27) | 202 | (11) | 327 | (18) | **1,796** | **(6.1)** |
| | **J** | 101 | (52) | 50 | (26) | 23 | (12) | 22 | (11) | **196** | **(0.7)** |
| | **O** | 3,278 | (75) | 525 | (12) | 249 | (6) | 294 | (7) | **4,346** | **(14.9)** |
| | **T** | 441 | (26) | 602 | (35) | 354 | (21) | 299 | (18) | **1,696** | **(5.8)** |
| | **U** | 1,260 | (48) | 853 | (32) | 390 | (15) | 131 | (5) | **2,634** | **(9.0)** |
| **2005 Total** | | **16,620** | **(56.8)** | **6,489** | **(22.2)** | **3,573** | **(12.2)** | **2,559** | **(8.8)** | **29,241** | |
| **2006** | **A** | 732 | (35) | 436 | (21) | 647 | (31) | 289 | (14) | **2,104** | **(7.4)** |
| | **B** | 211 | (38) | 97 | (17) | 69 | (12) | 182 | (33) | **559** | **(2.0)** |
| | **E** | 7,014 | (66) | 1,820 | (17) | 954 | (9) | 871 | (8) | **10,659** | **(37.2)** |
| | **F** | 3,102 | (61) | 1,155 | (23) | 343 | (7) | 512 | (10) | **5,112** | **(17.9)** |
| | **H** | 750 | (44) | 572 | (34) | 207 | (12) | 167 | (10) | **1,696** | **(5.9)** |
| | **J** | 101 | (64) | 37 | (23) | 9 | (6) | 11 | (7) | **158** | **(0.6)** |
| | **O** | 2,754 | (69) | 799 | (20) | 302 | (8) | 142 | (4) | **3,997** | **(14.0)** |
| | **T** | 696 | (35) | 569 | (28) | 400 | (20) | 352 | (17) | **2,017** | **(7.0)** |
| | **U** | 1,096 | (47) | 696 | (30) | 354 | (15) | 175 | (8) | **2,321** | **(8.1)** |
| **2006 Total** | | **16,456** | **(57.5)** | **6,181** | **(21.6)** | **3,285** | **(11.5)** | **2,701** | **(9.4)** | **28,623** | |
| **2007** | **A** | 994 | (43) | 489 | (21) | 271 | (12) | 569 | (24) | **2,323** | **(7.7)** |
| | **B** | 256 | (51) | 99 | (20) | 72 | (14) | 73 | (15) | **500** | **(1.7)** |
| | **E** | 5,865 | (63) | 1,884 | (20) | 772 | (8) | 778 | (8) | **9,299** | **(30.8)** |
| | **F** | 3,630 | (63) | 1,229 | (21) | 400 | (7) | 539 | (9) | **5,798** | **(19.2)** |
| | **H** | 639 | (37) | 470 | (28) | 352 | (21) | 248 | (15) | **1,709** | **(5.7)** |
| | **J** | 123 | (47) | 67 | (26) | 22 | (8) | 48 | (18) | **260** | **(0.9)** |
| | **O** | 3,196 | (76) | 618 | (15) | 197 | (5) | 197 | (5) | **4,208** | **(13.9)** |
| | **T** | 696 | (33) | 729 | (34) | 307 | (14) | 403 | (19) | **2,135** | **(7.1)** |
| | **U** | 1,038 | (40) | 929 | (36) | 358 | (14) | 270 | (10) | **2,595** | **(8.6)** |
| | **Z** | 598 | (44) | 403 | (30) | 188 | (14) | 169 | (12) | **1,358** | **(4.5)** |
| **2007 Total** | | **17,035** | **(56.4)** | **6,917** | **(22.9)** | **2,939** | **(9.7)** | **3,294** | **(10.9)** | **30,185** | |
| **Grand Total** | | **50,111** | **(56.9)** | **19,587** | **(22.2)** | **9,797** | **(11.1)** | **8,554** | **(9.7)** | **88,049** | |

**Table 34 Bed census by month, 2005 - 2007**

| Year | Month | Number in PICU Median | IQR |
|---|---|---|---|
| 2005 | 1 | 72 | 68-75 |
| | 2 | 75 | 70-78 |
| | 3 | 72 | 70-76 |
| | 4 | 70 | 66-75 |
| | 5 | 71 | 63-75 |
| | 6 | 63 | 59-65 |
| | 7 | 65 | 61-72 |
| | 8 | 64 | 58-70 |
| | 9 | 57 | 55-62 |
| | 10 | 59 | 55-62 |
| | 11 | 68 | 60-72 |
| | 12 | 70 | 66-75 |
| 2006 | 1 | 64 | 60-67 |
| | 2 | 71 | 68-73 |
| | 3 | 71 | 67-74 |
| | 4 | 63 | 58-67 |
| | 5 | 57 | 53-63 |
| | 6 | 61 | 54-64 |
| | 7 | 59 | 57-64 |
| | 8 | 62 | 60-65 |
| | 9 | 64 | 60-68 |
| | 10 | 64 | 59-67 |
| | 11 | 70 | 68-76 |
| | 12 | 72 | 70-74 |
| 2007 | 1 | 68 | 63-73 |
| | 2 | 75 | 69.5-78 |
| | 3 | 70 | 66-72 |
| | 4 | 67 | 64-73 |
| | 5 | 64 | 62-69 |
| | 6 | 73 | 70-76 |
| | 7 | 68 | 62-73 |
| | 8 | 57 | 55-61 |
| | 9 | 64 | 58-67 |
| | 10 | 70 | 64-74 |
| | 11 | 77 | 73-79 |
| | 12 | 75 | 68-79 |

**Figure 34 Bed census by month, 2005 - 2007**

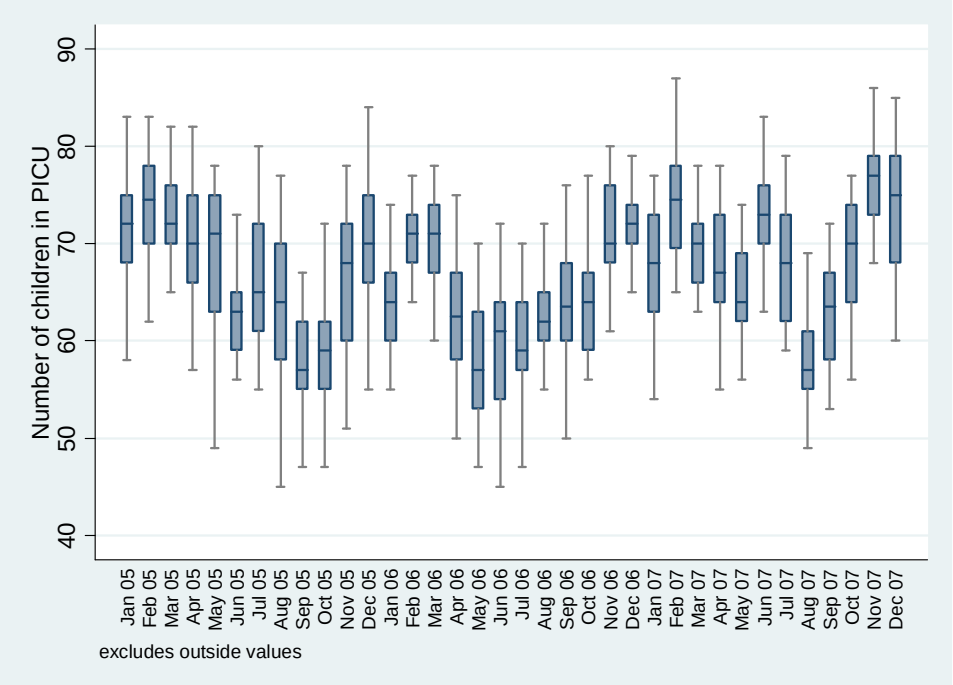


**Table 35 Bed census by NHS trust, 2005 - 2007**

| Year | NHS Trust | Number in PICU Median | IQR |
|---|---|---|---|
| 2005 | A | 4 | 3-5 |
| | B | 1 | 0-1 |
| | E | 26 | 24-28 |
| | F | 12 | 10-14 |
| | H | 4 | 3-5 |
| | J | 0 | 0-0 |
| | O | 10 | 9-11 |
| | T | 4 | 3-5 |
| | U | 6 | 5-8 |
| | Z | 0 | 0-0 |
| 2006 | A | 5 | 4-5 |
| | B | 1 | 0-2 |
| | E | 25 | 23-27 |
| | F | 11 | 9-13 |
| | H | 4 | 3-5 |
| | J | 0 | 0-0 |
| | O | 9 | 8-11 |
| | T | 5 | 3-6 |
| | U | 5 | 4-7 |
| | Z | 0 | 0-0 |
| 2007 | A | 5 | 4-6 |
| | B | 1 | 0-2 |
| | E | 22 | 20-24 |
| | F | 13 | 11-15 |
| | H | 4 | 3-5 |
| | J | 0 | 0-1 |
| | O | 10 | 9-11 |
| | T | 5 | 4-6 |
| | U | 6 | 5-7 |
| | Z | 3 | 2-4 |

**Figure 35a Bed census by NHS trust, 2005**

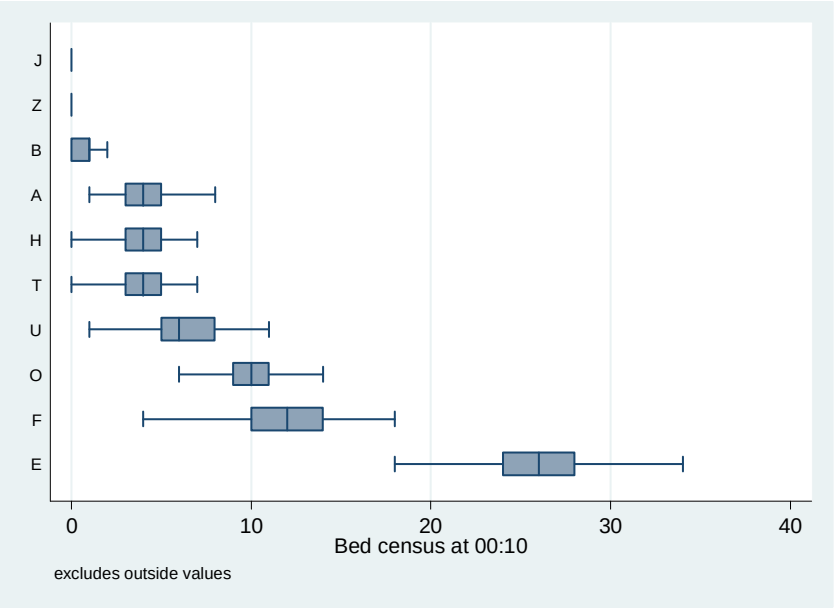



**Figure 35b Bed census by NHS trust, 2006**

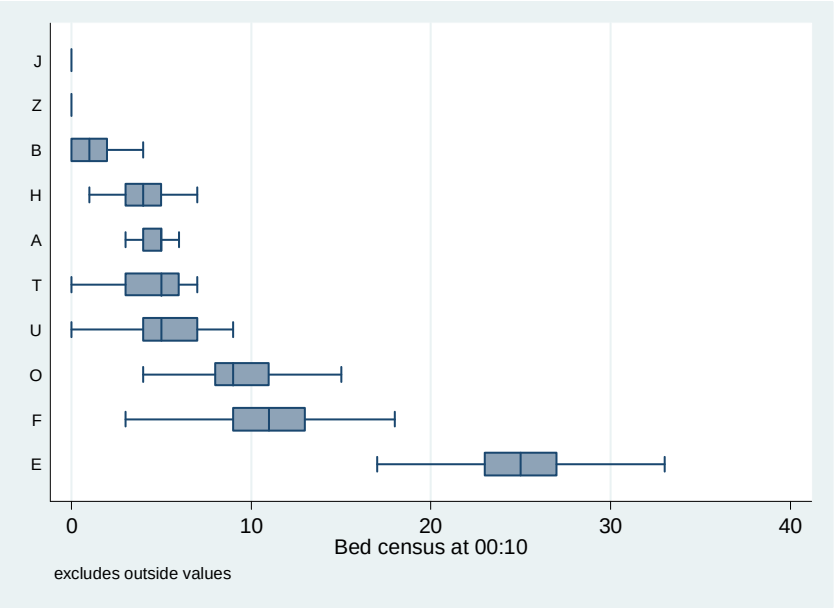



**Figure 35c Bed census by NHS trust, 2007**

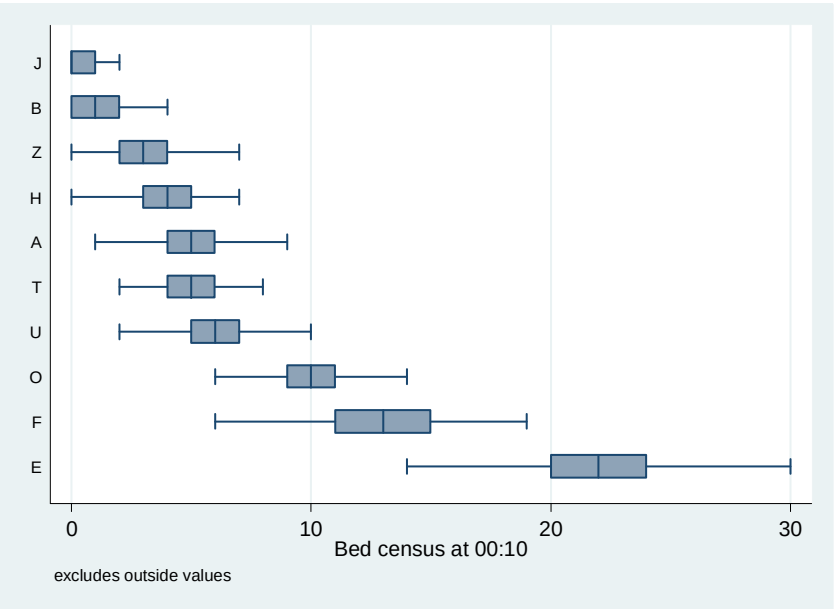


**Table 36 Bed activity by month, 2005 - 2007**

| Year | Month | Bed Activity (Days) Median | IQR |
|---|---|---|---|
| **2005** | **1** | 85 | 82-91 |
| | **2** | 90 | 83.5-93.5 |
| | **3** | 87 | 83-91 |
| | **4** | 84 | 79-89 |
| | **5** | 85 | 74-87 |
| | **6** | 77 | 74-82 |
| | **7** | 83 | 75-89 |
| | **8** | 77 | 70-84 |
| | **9** | 72 | 67-77 |
| | **10** | 73 | 67-78 |
| | **11** | 83 | 75-88 |
| | **12** | 87 | 79-93 |
| **2006** | **1** | 78 | 74-84 |
| | **2** | 87 | 83-91.5 |
| | **3** | 85 | 79-91 |
| | **4** | 78 | 70-82 |
| | **5** | 71 | 67-80 |
| | **6** | 75 | 67-80 |
| | **7** | 74 | 67-81 |
| | **8** | 76 | 70-82 |
| | **9** | 78 | 71-82 |
| | **10** | 77 | 75-82 |
| | **11** | 85 | 80-92 |
| | **12** | 85 | 83-91 |
| **2007** | **1** | 84 | 79-87 |
| | **2** | 89 | 84-93 |
| | **3** | 85 | 80-92 |
| | **4** | 83 | 75-91 |
| | **5** | 80 | 75-86 |
| | **6** | 89 | 82-94 |
| | **7** | 82 | 77-90 |
| | **8** | 72 | 63-77 |
| | **9** | 80 | 70-81 |
| | **10** | 86 | 80-94 |
| | **11** | 92 | 88-98 |
| | **12** | 90 | 81-98 |

**Figure 36 Bed activity by month, 2005 - 2007**

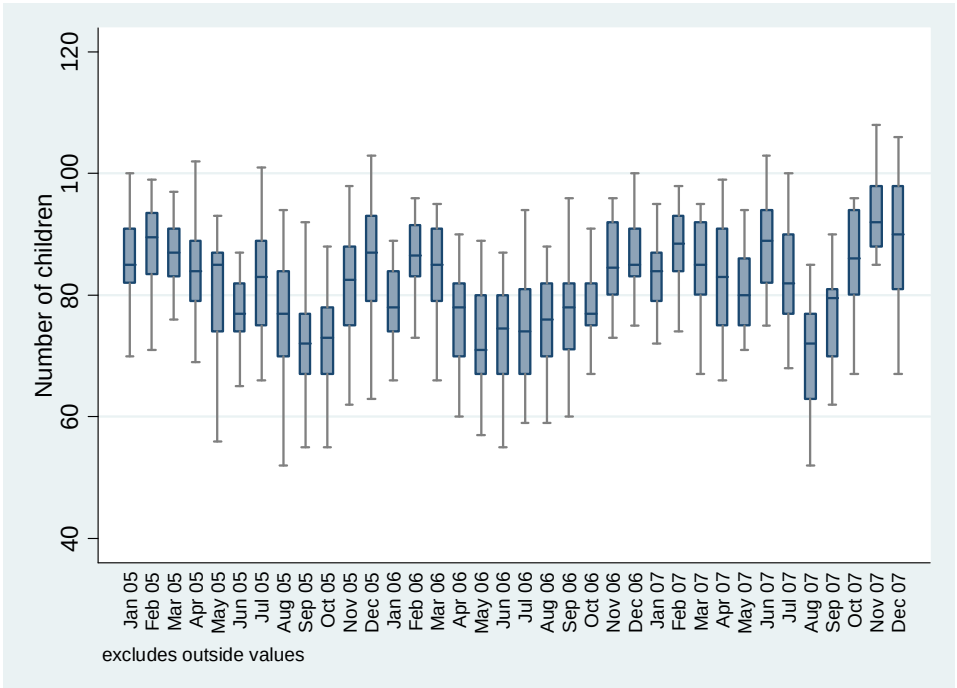


**Table 37 Bed activity by NHS trust, 2005 - 2007**

| Year | NHS Trust | Bed Activity (Days) Median | IQR |
|---|---|---|---|
| **2005** | **A** | 5 | 4-6 |
| | **B** | 2 | 1-2 |
| | **E** | 30 | 28-32 |
| | **F** | 15 | 12-17 |
| | **H** | 5 | 4-6 |
| | **J** | 0 | 0-1 |
| | **O** | 12 | 10-13 |
| | **T** | 5 | 4-6 |
| | **U** | 7 | 6-9 |
| | **Z** | 0 | 0-0 |
| **2006** | **A** | 6 | 5-7 |
| | **B** | 1 | 1-2 |
| | **E** | 29 | 28-32 |
| | **F** | 14 | 12-17 |
| | **H** | 5 | 4-6 |
| | **J** | 0 | 0-1 |
| | **O** | 11 | 9-13 |
| | **T** | 6 | 5-7 |
| | **U** | 7 | 5-8 |
| | **Z** | 0 | 0-0 |
| **2007** | **A** | 6 | 5-8 |
| | **B** | 1 | 0-2 |
| | **E** | 26 | 23-29 |
| | **F** | 16 | 14-19 |
| | **H** | 5 | 4-6 |
| | **J** | 1 | 0-1 |
| | **O** | 12 | 10-13 |
| | **T** | 6 | 5-7 |
| | **U** | 7 | 6-8 |
| | **Z** | 4 | 3-5 |

**Figure 37a Bed activity by NHS trust, 2005**

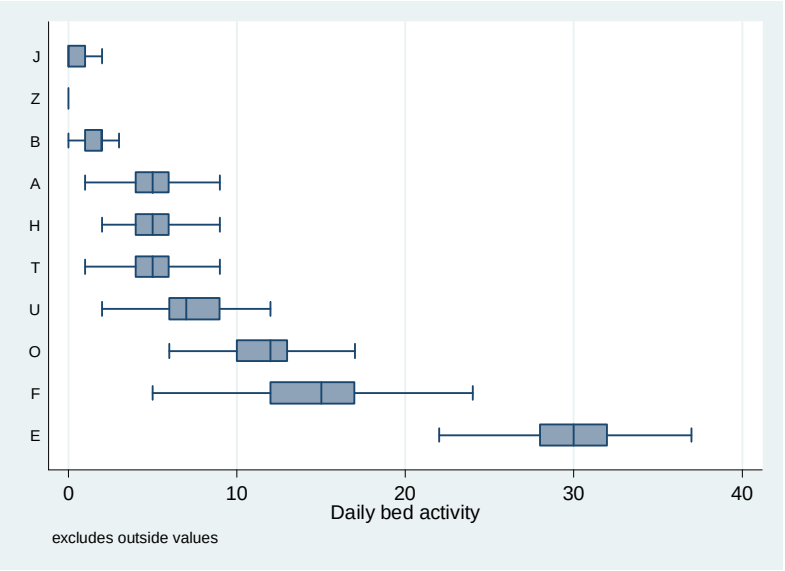



**Figure 37b Bed activity by NHS trust, 2006**

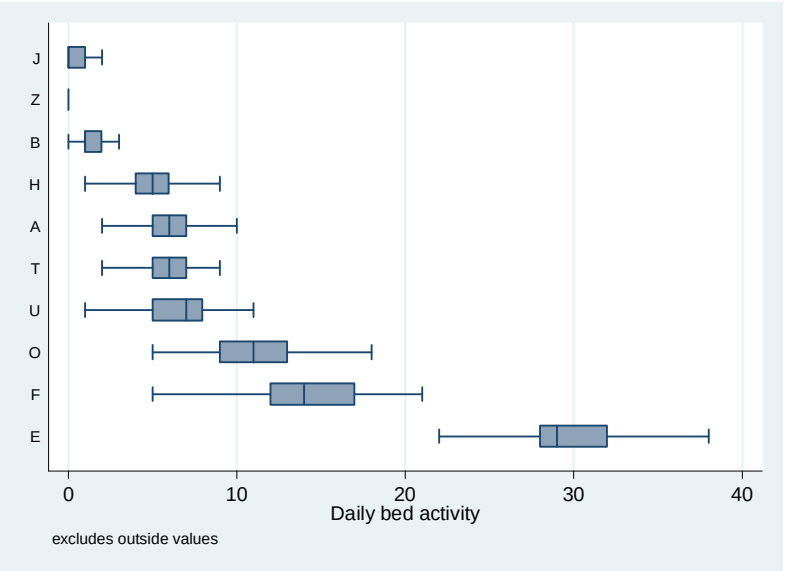



**Figure 37c Bed activity by NHS trust, 2007**

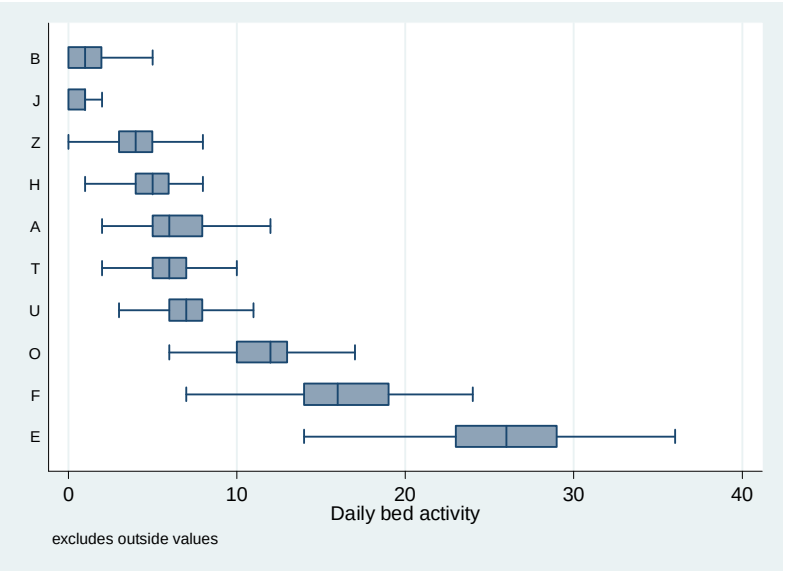


**Table 38 Length of stay by age and NHS trust, 2005 - 2007**

| Year | NHS Trust | Age Group (Years) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | <1 | | 1-4 | | 5-10 | | 11-15 | |
| | | Median | IQR | Median | IQR | Median | IQR | Median | IQR |
| 2005 | A | 3 | 2-5 | 2 | 2-4 | 2 | 2-4 | 2 | 2-3 |
| | B | 2 | 1-3 | 2 | 1-2.5 | 2 | 1-2 | 2 | 1-3 |
| | E | 5 | 3-8 | 3 | 2-6 | 3 | 2-5 | 3 | 2-7 |
| | F | 4 | 2-6 | 3 | 2-4 | 3 | 2-4 | 2 | 2-3.5 |
| | H | 3 | 2-5 | 2 | 2-4 | 2 | 2-4.5 | 3 | 2-6 |
| | J | 2 | 1-2 | 2 | 1-2.5 | 2 | 1-2 | 2 | 1-3 |
| | O | 4 | 2-8 | 3 | 2-4 | 2 | 2-3 | 2 | 2-3.5 |
| | T | 2 | 2-5 | 2 | 2-3 | 2 | 2-4 | 2 | 2-4 |
| | U | 4 | 2-8 | 3 | 2-6 | 3 | 2-4 | 2 | 2-4 |
| 2006 | A | 3 | 2-6 | 2 | 2-3 | 2 | 2-5 | 2.5 | 2-4 |
| | B | 2 | 1-3 | 2 | 1-2 | 2 | 1-2 | 2 | 1-3 |
| | E | 5 | 3-8 | 3 | 2-6 | 3 | 2-7 | 3 | 2-6 |
| | F | 4 | 3-6 | 3 | 2-4 | 2 | 2-4 | 2 | 2-3 |
| | H | 3 | 2-9 | 2 | 2-6 | 2 | 2-4 | 2 | 2-4 |
| | J | 2 | 1-3 | 2 | 1-2 | 1 | 1-2 | 2 | 2-2 |
| | O | 4 | 2-7 | 3 | 2-6 | 2 | 2-3 | 2 | 2-3 |
| | T | 3 | 2-6 | 2 | 2-4 | 3 | 2-4 | 3 | 2-6 |
| | U | 5 | 3-7 | 3 | 2-6 | 3 | 2-5 | 3 | 2-6 |
| 2007 | A | 3 | 2-6 | 2 | 2-4 | 2 | 2-3 | 2 | 2-4 |
| | B | 2 | 2-3 | 1 | 1-2 | 2 | 2-3 | 3 | 2-3 |
| | E | 5 | 3-8 | 3 | 2-6 | 3 | 2-7 | 3 | 2-6 |
| | F | 4 | 3-6 | 3 | 2-4 | 2 | 2-3 | 2 | 2-3 |
| | H | 3 | 2-6 | 2 | 2-4 | 3 | 2-6 | 2.5 | 2-10.5 |
| | J | 2 | 1-2 | 2 | 1-2 | 2 | 1-2 | 2 | 2-2 |
| | O | 4 | 2-8 | 3 | 2-4 | 2 | 2-3 | 2 | 2-3 |
| | T | 3 | 2-7 | 2 | 2-5 | 2 | 2-3 | 3 | 2-6 |
| | U | 5 | 3-9 | 4 | 2-8 | 3 | 2-7 | 3 | 2-8 |
| | Z | 3 | 2-5 | 2 | 2-3 | 2 | 2-3 | 2 | 2-3 |

**Table 39 Length of stay by primary diagnostic group and NHS trust, 2005 - 2007**

| NHS Trust | Diagnostic Group | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Blood / lymphatic | | Body wall and cavities | | Cardiovascular | | Endocrine / metabolic | | Gastrointestinal | | Infection | | Multisystem | | Musculoskeletal | | Neurological | | Oncology | | Respiratory | | Trauma | | Other | | Unknown | |
| | Median | IQR | Median | IQR | Median | IQR | Median | IQR | Median | IQR | Median | IQR | Median | IQR | Median | IQR | Median | IQR | Median | IQR | Median | IQR | Median | IQR | Median | IQR | Median | IQR |
| **A** | 2 | 1-3 | 3 | 1.5-4 | 2 | 2-4 | 3 | 2-4 | 2 | 2-3 | 3 | 2-5 | 2 | 2-7 | 2 | 2-3 | 2 | 2-4 | 2 | 2-3 | 4 | 2-7 | 3 | 2-4.5 | 2 | 2-4 | 1 | 1-1 |
| **B** | 1.5 | 1-2.5 | 1 | 1-2 | 1 | 1-2 | 2 | 2-2 | 2 | 2-3 | 2 | 1-2 | 2 | 2-2 | 1 | 1-2 | 2 | 1-2 | 1 | 1-3 | 2 | 1-3 | 1 | 1-2 | 2 | 1-2 | 1.5 | 1-2 |
| **E** | 4.5 | 3-9 | 5 | 3-9 | 4 | 2-7 | 4 | 2-8 | 5 | 2-10 | 4 | 2-7 | 3.5 | 1-5 | 2 | 2-3 | 3 | 2-5 | 3 | 2-7 | 5 | 3-9 | 3.5 | 2-7 | 3 | 2-5 | 0 | 0-0 |
| **F** | 4 | 2.5-7 | 2 | 1-4 | 3 | 2-5 | 2 | 2-3 | 2 | 1-4.5 | 4 | 2-6 | 5 | 3-12 | 2 | 2-2 | 2 | 2-4 | 2 | 2-2 | 4 | 2-6 | 2 | 2-3 | 2 | 2-3 | 4 | 2-7 |
| **H** | 2 | 1-3 | 2 | 1-2.5 | 4.5 | 2-11 | 4 | 2-6 | 3 | 2-6 | 4 | 2-7 | 0 | 0-0 | 2.5 | 2-4 | 3 | 2-5 | 2 | 2-3 | 3 | 2-8 | 2 | 2-5 | 2 | 2-3 | 2 | 1-6 |
| **J** | 2 | 1.5-2 | 2 | 1-2 | 1 | 1-2 | 1 | 1-2.5 | 2 | 2-3 | 2 | 1-2 | 0 | 0-0 | 0 | 0-0 | 2 | 1-2 | 2 | 1-2 | 2 | 1-2 | 1.5 | 1-2.5 | 2 | 1-2 | 3 | 2-4 |
| **O** | 2 | 2-2 | 6.5 | 3-12 | 3 | 2-6 | 2 | 2-4 | 3 | 2-14 | 3 | 2-9 | 0 | 0-0 | 3 | 2-14 | 6 | 2-7 | 2 | 2-3 | 4 | 2-9 | 0 | 0-0 | 2 | 1-3 | 3 | 2-13 |
| **T** | 2 | 2-3 | 2 | 2-2.5 | 2 | 1-2 | 3 | 2-5 | 2 | 2-3 | 3 | 2-7 | 2 | 2-2 | 3 | 2-4 | 2 | 2-3.5 | 2 | 2-3 | 4 | 2-7 | 2 | 2-3 | 2 | 2-2 | 5.5 | 4-7 |
| **U** | 2 | 2-4 | 2.5 | 2-3 | 4 | 2-6 | 3 | 2-6 | 3 | 2-5 | 6 | 4-10 | 0 | 0-0 | 69 | 69-69 | 2 | 2-3 | 1 | 1-1 | 5 | 3-9 | 2 | 2-8 | 2 | 2-3 | 6.5 | 4-18 |
| **Z** | 2 | 2-3 | 2 | 1-3 | 2 | 1-8 | 3 | 2-3.5 | 2 | 2-3 | 3 | 2-5 | 0 | 0-0 | 3 | 3-3 | 2 | 1-3 | 1 | 1-1 | 2 | 2-4 | 2 | 2-3 | 2 | 1-4.5 | 0 | 0-0 |

**Table 40 Admissions by length of stay by NHS trust, 2005 - 2007**

| Year | NHS Trust | LOS Group | | | | | | | | | | | | | | | | Total | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | <1h | | 1h to <4h | | 4h to <12h | | 12h to <24h | | 1d to <3d | | 3d to <7d | | 7d+ | | Unknown | | | |
| | | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % |
| **2005** | **A** | 2 | (0) | 13 | (3) | 47 | (11) | 96 | (23) | 150 | (36) | 72 | (17) | 40 | (10) | 0 | (0) | **420** | **(8.1)** |
| | **B** | 1 | (0) | 20 | (9) | 70 | (30) | 50 | (22) | 72 | (31) | 14 | (6) | 5 | (2) | 0 | (0) | **232** | **(4.5)** |
| | **E** | 0 | (0) | 24 | (2) | 69 | (5) | 190 | (13) | 484 | (32) | 417 | (28) | 331 | (22) | 0 | (0) | **1,515** | **(29.3)** |
| | **F** | 1 | (0) | 22 | (2) | 70 | (6) | 182 | (16) | 437 | (39) | 291 | (26) | 120 | (11) | 0 | (0) | **1,123** | **(21.7)** |
| | **H** | 0 | (0) | 13 | (4) | 40 | (12) | 76 | (22) | 112 | (32) | 54 | (16) | 52 | (15) | 0 | (0) | **347** | **(6.7)** |
| | **J** | 1 | (1) | 6 | (6) | 30 | (31) | 27 | (28) | 25 | (26) | 7 | (7) | 0 | (0) | 0 | (0) | **96** | **(1.9)** |
| | **O** | 1 | (0) | 17 | (3) | 35 | (6) | 94 | (15) | 229 | (37) | 128 | (21) | 109 | (18) | 0 | (0) | **613** | **(11.9)** |
| | **T** | 0 | (0) | 15 | (4) | 35 | (8) | 100 | (24) | 162 | (39) | 63 | (15) | 38 | (9) | 0 | (0) | **413** | **(8.0)** |
| | **U** | 1 | (0) | 5 | (1) | 34 | (8) | 65 | (16) | 131 | (32) | 101 | (25) | 71 | (17) | 0 | (0) | **408** | **(7.9)** |
| **2005 Total** | | **7** | **(0.1)** | **135** | **(2.6)** | **430** | **(8.3)** | **880** | **(17.0)** | **1,802** | **(34.9)** | **1,147** | **(22.2)** | **766** | **(14.8)** | **0** | **(0.0)** | 5,167 | |
| **2006** | **A** | 1 | (0) | 21 | (5) | 50 | (11) | 102 | (23) | 140 | (31) | 85 | (19) | 50 | (11) | 0 | (0) | **449** | **(8.6)** |
| | **B** | 0 | (0) | 25 | (11) | 63 | (28) | 47 | (21) | 68 | (30) | 14 | (6) | 9 | (4) | 0 | (0) | **226** | **(4.3)** |
| | **E** | 3 | (0) | 29 | (2) | 87 | (5) | 207 | (13) | 507 | (32) | 392 | (25) | 374 | (23) | 0 | (0) | **1,599** | **(30.7)** |
| | **F** | 1 | (0) | 17 | (2) | 51 | (5) | 170 | (16) | 435 | (40) | 290 | (27) | 123 | (11) | 0 | (0) | **1,087** | **(20.8)** |
| | **H** | 0 | (0) | 17 | (5) | 39 | (12) | 69 | (22) | 86 | (27) | 48 | (15) | 56 | (18) | 0 | (0) | **315** | **(6.0)** |
| | **J** | 1 | (1) | 6 | (8) | 16 | (22) | 27 | (36) | 21 | (28) | 2 | (3) | 1 | (1) | 0 | (0) | **74** | **(1.4)** |
| | **O** | 1 | (0) | 16 | (2) | 30 | (5) | 113 | (17) | 235 | (36) | 145 | (22) | 116 | (18) | 0 | (0) | **656** | **(12.6)** |
| | **T** | 1 | (0) | 14 | (3) | 27 | (6) | 103 | (23) | 152 | (34) | 88 | (20) | 57 | (13) | 0 | (0) | **442** | **(8.5)** |
| | **U** | 0 | (0) | 3 | (1) | 26 | (7) | 64 | (17) | 111 | (30) | 95 | (26) | 68 | (19) | 0 | (0) | **367** | **(7.0)** |
| **2006 Total** | | **8** | **(0.2)** | **148** | **(2.8)** | **389** | **(7.5)** | **902** | **(17.3)** | **1,755** | **(33.7)** | **1,159** | **(22.2)** | **854** | **(16.4)** | **0** | **(0.0)** | 5,215 | |
| **2007** | **A** | 0 | (0) | 10 | (2) | 46 | (9) | 121 | (24) | 185 | (36) | 93 | (18) | 57 | (11) | 0 | (0) | **512** | **(9.5)** |
| | **B** | 0 | (0) | 13 | (8) | 40 | (23) | 38 | (22) | 57 | (33) | 18 | (11) | 5 | (3) | 0 | (0) | **171** | **(3.2)** |
| | **E** | 3 | (0) | 17 | (1) | 80 | (6) | 136 | (10) | 436 | (32) | 411 | (30) | 300 | (22) | 0 | (0) | **1,383** | **(25.6)** |
| | **F** | 3 | (0) | 16 | (1) | 60 | (5) | 161 | (14) | 491 | (42) | 317 | (27) | 132 | (11) | 0 | (0) | **1,180** | **(21.8)** |
| | **H** | 1 | (0) | 14 | (5) | 32 | (11) | 65 | (22) | 88 | (30) | 39 | (13) | 53 | (18) | 0 | (0) | **292** | **(5.4)** |
| | **J** | 1 | (1) | 18 | (15) | 22 | (18) | 43 | (36) | 31 | (26) | 2 | (2) | 2 | (2) | 0 | (0) | **119** | **(2.2)** |
| | **O** | 5 | (1) | 18 | (3) | 36 | (6) | 90 | (14) | 239 | (37) | 134 | (21) | 116 | (18) | 0 | (0) | **638** | **(11.8)** |
| | **T** | 2 | (1) | 8 | (2) | 36 | (9) | 98 | (25) | 114 | (30) | 62 | (16) | 65 | (17) | 0 | (0) | **385** | **(7.1)** |
| | **U** | 0 | (0) | 1 | (0) | 15 | (4) | 46 | (13) | 110 | (30) | 97 | (26) | 95 | (26) | 3 | (1) | **367** | **(6.8)** |
| | **Z** | 0 | (0) | 6 | (2) | 48 | (13) | 81 | (23) | 138 | (39) | 59 | (17) | 25 | (7) | 0 | (0) | **357** | **(6.6)** |
| **2007 Total** | | **15** | **(0.3)** | **121** | **(2.2)** | **415** | **(7.7)** | **879** | **(16.3)** | **1,889** | **(35.0)** | **1,232** | **(22.8)** | **850** | **(15.7)** | **3** | **(0.1)** | 5,404 | |
| **Grand Total** | | **30** | **(0.2)** | **404** | **(2.6)** | **1,234** | **(7.8)** | **2,661** | **(16.9)** | **5,446** | **(34.5)** | **3,538** | **(22.4)** | **2,470** | **(15.6)** | **3** | **(0.0)** | 15,786 | |

**Table 40a Admissions by length of stay (days) by NHS trust, 2005 - 2007**

| Year | NHS Trust | LOS Group (days) <14d n | <14d % | 14d to <28d n | 14d to <28d % | 28d to <90d n | 28d to <90d % | 90d+ n | 90d+ % | Total n | Total % |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **2005** | **A** | 402 | (96) | 9 | (2) | 8 | (2) | 1 | (0) | **420** | **(8.1)** |
| | **B** | 230 | (99) | 1 | (0) | 1 | (0) | 0 | (0) | **232** | **(4.5)** |
| | **E** | 1,385 | (91) | 88 | (6) | 36 | (2) | 6 | (0) | **1,515** | **(29.3)** |
| | **F** | 1,080 | (96) | 33 | (3) | 9 | (1) | 1 | (0) | **1,123** | **(21.7)** |
| | **H** | 330 | (95) | 12 | (3) | 4 | (1) | 1 | (0) | **347** | **(6.7)** |
| | **J** | 96 | (100) | 0 | (0) | 0 | (0) | 0 | (0) | **96** | **(1.9)** |
| | **O** | 567 | (92) | 23 | (4) | 21 | (3) | 2 | (0) | **613** | **(11.9)** |
| | **T** | 397 | (96) | 12 | (3) | 4 | (1) | 0 | (0) | **413** | **(8.0)** |
| | **U** | 381 | (93) | 19 | (5) | 7 | (2) | 1 | (0) | **408** | **(7.9)** |
| **2005 Total** | | **4,868** | **(94.2)** | **197** | **(3.8)** | **90** | **(1.7)** | **12** | **(0.2)** | 5,167 | |
| **2006** | **A** | 435 | (97) | 11 | (2) | 1 | (0) | 2 | (0) | **449** | **(8.6)** |
| | **B** | 222 | (98) | 3 | (1) | 1 | (0) | 0 | (0) | **226** | **(4.3)** |
| | **E** | 1,472 | (92) | 95 | (6) | 28 | (2) | 4 | (0) | **1,599** | **(30.7)** |
| | **F** | 1,049 | (97) | 25 | (2) | 12 | (1) | 1 | (0) | **1,087** | **(20.8)** |
| | **H** | 294 | (93) | 13 | (4) | 8 | (3) | 0 | (0) | **315** | **(6.0)** |
| | **J** | 73 | (99) | 1 | (1) | 0 | (0) | 0 | (0) | **74** | **(1.4)** |
| | **O** | 609 | (93) | 30 | (5) | 17 | (3) | 0 | (0) | **656** | **(12.6)** |
| | **T** | 423 | (96) | 16 | (4) | 3 | (1) | 0 | (0) | **442** | **(8.5)** |
| | **U** | 337 | (92) | 20 | (5) | 8 | (2) | 2 | (1) | **367** | **(7.0)** |
| **2006 Total** | | **4,914** | **(94.2)** | **214** | **(4.1)** | **78** | **(1.5)** | **9** | **(0.2)** | 5,215 | |
| **2007** | **A** | 500 | (98) | 8 | (2) | 2 | (0) | 2 | (0) | **512** | **(9.5)** |
| | **B** | 169 | (99) | 0 | (0) | 2 | (1) | 0 | (0) | **171** | **(3.2)** |
| | **E** | 1,267 | (92) | 77 | (6) | 37 | (3) | 2 | (0) | **1,383** | **(25.6)** |
| | **F** | 1,139 | (97) | 32 | (3) | 7 | (1) | 2 | (0) | **1,180** | **(21.8)** |
| | **H** | 264 | (90) | 16 | (5) | 12 | (4) | 0 | (0) | **292** | **(5.4)** |
| | **J** | 118 | (99) | 0 | (0) | 1 | (1) | 0 | (0) | **119** | **(2.2)** |
| | **O** | 584 | (92) | 33 | (5) | 19 | (3) | 2 | (0) | **638** | **(11.8)** |
| | **T** | 357 | (93) | 15 | (4) | 13 | (3) | 0 | (0) | **385** | **(7.1)** |
| | **U** | 339 | (92) | 21 | (6) | 6 | (2) | 1 | (0) | **367** | **(6.8)** |
| | **Z** | 351 | (98) | 1 | (0) | 4 | (1) | 1 | (0) | **357** | **(6.6)** |
| **2007 Total** | | **5,088** | **(94.2)** | **203** | **(3.8)** | **103** | **(1.9)** | **10** | **(0.2)** | 5,404 | |
| **Grand Total** | | ##### | **(94.2)** | **614** | **(3.9)** | **271** | **(1.7)** | **31** | **(0.2)** | 15,786 | |

**Table 40b Total invasive ventilation days by length of stay (days) by NHS trust, 2005 - 2007**

| Year | NHS Trust | LOS Group (days) <14d n | <14d % | 14d to <28d n | 14d to <28d % | 28d to <90d n | 28d to <90d % | 90d+ n | 90d+ % | Total n | Total % |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **2005** | **A** | 673 | (46) | 199 | (14) | 539 | (37) | 48 | (3) | **1,459** | **(4.9)** |
| | **B** | 29 | (100) | 0 | (0) | 0 | (0) | 0 | (0) | **29** | **-** |
| | **E** | 5,051 | (32) | 2,183 | (14) | 3,233 | (20) | 5,417 | (34) | **15,884** | **(53.0)** |
| | **F** | 2,017 | (63) | 623 | (19) | 469 | (15) | 90 | (3) | **3,199** | **(10.7)** |
| | **H** | 846 | (79) | 189 | (18) | 42 | (4) | 0 | (0) | **1,077** | **(3.6)** |
| | **J** | 36 | (100) | 0 | (0) | 0 | (0) | 0 | (0) | **36** | **(0.1)** |
| | **O** | 1,184 | (23) | 480 | (9) | 1,548 | (31) | 1,845 | (36) | **5,057** | **(16.9)** |
| | **T** | 474 | (39) | 380 | (31) | 375 | (31) | 0 | (0) | **1,229** | **(4.1)** |
| | **U** | 1,043 | (52) | 441 | (22) | 422 | (21) | 112 | (6) | **2,018** | **(6.7)** |
| **2005 Total** | | **11,353** | **(37.9)** | **4,495** | **(15.0)** | **6,628** | **(22.1)** | **7,512** | **(25.1)** | **29,988** | |
| **2006** | **A** | 647 | (43) | 281 | (19) | 109 | (7) | 456 | (31) | **1,493** | **(6.0)** |
| | **B** | 14 | (100) | 0 | (0) | 0 | (0) | 0 | (0) | **14** | **-** |
| | **E** | 5,746 | (46) | 2,123 | (17) | 1,954 | (16) | 2,665 | (21) | **12,488** | **(50.6)** |
| | **F** | 2,094 | (72) | 473 | (16) | 346 | (12) | 13 | (0) | **2,926** | **(11.9)** |
| | **H** | 752 | (62) | 164 | (14) | 292 | (24) | 0 | (0) | **1,208** | **(4.9)** |
| | **J** | 30 | (94) | 2 | (6) | 0 | (0) | 0 | (0) | **32** | **(0.1)** |
| | **O** | 1,164 | (40) | 462 | (16) | 1,253 | (44) | 0 | (0) | **2,879** | **(11.7)** |
| | **T** | 727 | (57) | 314 | (25) | 240 | (19) | 0 | (0) | **1,281** | **(5.2)** |
| | **U** | 855 | (36) | 360 | (15) | 732 | (31) | 415 | (18) | **2,362** | **(9.6)** |
| **2006 Total** | | **12,029** | **(48.7)** | **4,179** | **(16.9)** | **4,926** | **(20.0)** | **3,549** | **(14.4)** | **24,683** | |
| **2007** | **A** | 783 | (35) | 116 | (5) | 116 | (5) | 1,205 | (54) | **2,220** | **(8.6)** |
| | **B** | 32 | (100) | 0 | (0) | 0 | (0) | 0 | (0) | **32** | **(0.1)** |
| | **E** | 4,896 | (46) | 1,750 | (17) | 2,779 | (26) | 1,170 | (11) | **10,595** | **(41.0)** |
| | **F** | 2,343 | (64) | 639 | (17) | 110 | (3) | 577 | (16) | **3,669** | **(14.2)** |
| | **H** | 333 | (100) | 0 | (0) | 0 | (0) | 0 | (0) | **333** | **(1.3)** |
| | **J** | 26 | (100) | 0 | (0) | 0 | (0) | 0 | (0) | **26** | **(0.1)** |
| | **O** | 1,213 | (31) | 510 | (13) | 854 | (22) | 1,326 | (34) | **3,903** | **(15.1)** |
| | **T** | 704 | (40) | 253 | (14) | 797 | (45) | 0 | (0) | **1,754** | **(6.8)** |
| | **U** | 1,324 | (42) | 558 | (17) | 229 | (7) | 1,078 | (34) | **3,189** | **(12.3)** |
| | **Z** | 92 | (89) | 0 | (0) | 3 | (3) | 8 | (8) | **103** | **(0.4)** |
| **2007 Total** | | **11,746** | **(45.5)** | **3,826** | **(14.8)** | **4,888** | **(18.9)** | **5,364** | **(20.8)** | **25,824** | |
| **Grand Total** | | **35,128** | **(43.6)** | **12,500** | **(15.5)** | **16,442** | **(20.4)** | **16,425** | **(20.4)** | **80,495** | |

**Table 40c Mean invasive ventilation days by length of stay (days) by NHS trust, 2005 - 2007**

| Year | NHS Trust | LOS Group (days) <14d | 14d to <28d | 28d to <90d | 90d+ | Total |
|---|---|---|---|---|---|---|
| 2005 | A | 4 | 12 | 34 | 8 | 7 |
| | B | 1 | 0 | 0 | 0 | 1 |
| | E | 4 | 16 | 36 | 143 | 10 |
| | F | 2 | 12 | 21 | 15 | 3 |
| | H | 3 | 17 | 11 | 0 | 4 |
| | J | 1 | 0 | 0 | 0 | 1 |
| | O | 3 | 15 | 32 | 71 | 10 |
| | T | 3 | 17 | 38 | 0 | 7 |
| | U | 4 | 15 | 26 | 16 | 6 |
| **2005 Total** | | **3** | **15** | **32** | **91** | **7** |
| 2006 | A | 4 | 18 | 36 | 30 | 7 |
| | B | 1 | 0 | 0 | 0 | 1 |
| | E | 4 | 15 | 30 | 99 | 7 |
| | F | 2 | 12 | 16 | 13 | 3 |
| | H | 3 | 14 | 24 | 0 | 5 |
| | J | 1 | 2 | 0 | 0 | 1 |
| | O | 2 | 11 | 29 | 0 | 5 |
| | T | 4 | 15 | 27 | 0 | 6 |
| | U | 3 | 14 | 37 | 59 | 7 |
| **2006 Total** | | **3** | **14** | **28** | **71** | **6** |
| 2007 | A | 4 | 10 | 23 | 121 | 9 |
| | B | 2 | 0 | 0 | 0 | 2 |
| | E | 4 | 15 | 33 | 98 | 7 |
| | F | 2 | 13 | 8 | 36 | 3 |
| | H | 3 | 0 | 0 | 0 | 3 |
| | J | 1 | 0 | 0 | 0 | 1 |
| | O | 3 | 10 | 20 | 111 | 7 |
| | T | 4 | 13 | 28 | 0 | 8 |
| | U | 4 | 16 | 23 | 108 | 9 |
| | Z | 2 | 0 | 1 | 2 | 2 |
| **2007 Total** | | **3** | **13** | **26** | **84** | **6** |
| **Grand Total** | | **3** | **14** | **29** | **83** | **6** |

**Table 40d Admissions by length of stay (days) by primary diagnostic group, 2005 - 2007**

| Year | NHS Trust | LOS Group (days) <14d n | <14d % | 14d to <28d n | 14d to <28d % | 28d to <90d n | 28d to <90d % | 90d+ n | 90d+ % | Total n | Total % |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2005 | Blood / lymphatic | 58 | (98) | 1 | (2) | 0 | (0) | 0 | (0) | **59** | **(9.1)** |
| | Body wall and cavities | 93 | (93) | 5 | (5) | 2 | (2) | 0 | (0) | **100** | **(15.4)** |
| | Cardiovascular | 1,537 | (94) | 54 | (3) | 35 | (2) | 5 | (0) | **1,631** | **(251.7)** |
| | Endocrine / metabolic | 99 | (95) | 1 | (1) | 3 | (3) | 1 | (1) | **104** | **(16.0)** |
| | Gastrointestinal | 334 | (94) | 13 | (4) | 5 | (1) | 2 | (1) | **354** | **(54.6)** |
| | Infection | 197 | (90) | 17 | (8) | 4 | (2) | 0 | (0) | **218** | **(33.6)** |
| | Multisystem | 8 | (89) | 1 | (11) | 0 | (0) | 0 | (0) | **9** | **(1.4)** |
| | Musculoskeletal | 88 | (98) | 2 | (2) | 0 | (0) | 0 | (0) | **90** | **(13.9)** |
| | Neurological | 634 | (98) | 9 | (1) | 4 | (1) | 1 | (0) | **648** | **(100.0)** |
| | Oncology | 178 | (93) | 7 | (4) | 5 | (3) | 1 | (1) | **191** | **(29.5)** |
| | Other | 248 | (95) | 10 | (4) | 4 | (2) | 0 | (0) | **262** | **(40.4)** |
| | Respiratory | 1,217 | (93) | 69 | (5) | 24 | (2) | 2 | (0) | **1,312** | **(202.5)** |
| | Trauma | 153 | (94) | 5 | (3) | 4 | (2) | 0 | (0) | **162** | **(25.0)** |
| | Unknown | 24 | (89) | 3 | (11) | 0 | (0) | 0 | (0) | **27** | **(4.2)** |
| **2005 Total** | | **4,868** | **(94.2)** | **197** | **(3.8)** | **90** | **(1.7)** | **12** | **(0.2)** | 5,167 | |
| 2006 | Blood / lymphatic | 46 | (98) | 0 | (0) | 1 | (2) | 0 | (0) | **47** | **(8.6)** |
| | Body wall and cavities | 84 | (94) | 5 | (6) | 0 | (0) | 0 | (0) | **89** | **(16.3)** |
| | Cardiovascular | 1,627 | (95) | 63 | (4) | 27 | (2) | 1 | (0) | **1,718** | **(314.7)** |
| | Endocrine / metabolic | 126 | (95) | 7 | (5) | 0 | (0) | 0 | (0) | **133** | **(24.4)** |
| | Gastrointestinal | 339 | (92) | 20 | (5) | 11 | (3) | 0 | (0) | **370** | **(67.8)** |
| | Infection | 215 | (90) | 16 | (7) | 8 | (3) | 0 | (0) | **239** | **(43.8)** |
| | Multisystem | 22 | (92) | 1 | (4) | 0 | (0) | 1 | (4) | **24** | **(4.4)** |
| | Musculoskeletal | 107 | (97) | 1 | (1) | 0 | (0) | 2 | (2) | **110** | **(20.1)** |
| | Neurological | 530 | (97) | 14 | (3) | 2 | (0) | 0 | (0) | **546** | **(100.0)** |
| | Oncology | 215 | (97) | 4 | (2) | 1 | (0) | 1 | (0) | **221** | **(34.1)** |
| | Other | 253 | (97) | 4 | (2) | 4 | (2) | 0 | (0) | **261** | **(40.3)** |
| | Respiratory | 1,186 | (92) | 73 | (6) | 20 | (2) | 4 | (0) | **1,283** | **(198.0)** |
| | Trauma | 139 | (97) | 3 | (2) | 1 | (1) | 0 | (0) | **143** | **(22.1)** |
| | Unknown | 25 | (81) | 3 | (10) | 3 | (10) | 0 | (0) | **31** | **(4.8)** |
| **2006 Total** | | **4,914** | **(94.2)** | **214** | **(4.1)** | **78** | **(1.5)** | **9** | **(0.2)** | 5,215 | |
| 2007 | Blood / lymphatic | 74 | (95) | 4 | (5) | 0 | (0) | 0 | (0) | **78** | **(42.9)** |
| | Body wall and cavities | 74 | (96) | 2 | (3) | 1 | (1) | 0 | (0) | **77** | **(42.3)** |
| | Cardiovascular | 1,585 | (94) | 67 | (4) | 32 | (2) | 2 | (0) | **1,686** | **(926.4)** |
| | Endocrine / metabolic | 134 | (94) | 6 | (4) | 2 | (1) | 0 | (0) | **142** | **(78.0)** |
| | Gastrointestinal | 281 | (94) | 9 | (3) | 10 | (3) | 0 | (0) | **300** | **(164.8)** |
| | Infection | 220 | (95) | 8 | (3) | 3 | (1) | 0 | (0) | **231** | **(126.9)** |
| | Multisystem | 14 | (100) | 0 | (0) | 0 | (0) | 0 | (0) | **14** | **(7.7)** |
| | Musculoskeletal | 109 | (96) | 1 | (1) | 2 | (2) | 1 | (1) | **113** | **(62.1)** |
| | Neurological | 502 | (97) | 9 | (2) | 3 | (1) | 1 | (0) | **515** | **(283.0)** |
| | Oncology | 176 | (97) | 4 | (2) | 2 | (1) | 0 | (0) | **182** | **(100.0)** |
| | Other | 280 | (95) | 9 | (3) | 6 | (2) | 0 | (0) | **295** | **(45.5)** |
| | Respiratory | 1,431 | (92) | 71 | (5) | 42 | (3) | 4 | (0) | **1,548** | **(238.9)** |
| | Trauma | 154 | (96) | 5 | (3) | 0 | (0) | 1 | (1) | **160** | **(24.7)** |
| | Unknown | 54 | (86) | 8 | (13) | 0 | (0) | 1 | (2) | **63** | **(9.7)** |
| **2007 Total** | | **5,088** | **(94.2)** | **203** | **(3.8)** | **103** | **(1.9)** | **10** | **(0.2)** | 5,404 | |
| **Grand Total** | | ##### | **(94.2)** | **614** | **(3.9)** | **271** | **(1.7)** | **31** | **(0.2)** | 15,786 | |

**Table 40e Total invasive ventilation days by length of stay (days) by primary diagnostic group, 2005 - 2007**

| Year | NHS Trust | LOS Group (days) <14d n | <14d % | 14d to <28d n | 14d to <28d % | 28d to <90d n | 28d to <90d % | 90d+ n | 90d+ % | Total n | Total % |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2005 | Blood / lymphatic | 79 | (77) | 24 | (23) | 0 | (0) | 0 | (0) | **103** | **(6.1)** |
| | Body wall and cavities | 276 | (47) | 125 | (21) | 192 | (32) | 0 | (0) | **593** | **(34.9)** |
| | Cardiovascular | 3,556 | (35) | 1,136 | (11) | 2,648 | (26) | 2,858 | (28) | **10,198** | **(599.9)** |
| | Endocrine / metabolic | 212 | (15) | 28 | (2) | 180 | (13) | 972 | (70) | **1,392** | **(81.9)** |
| | Gastrointestinal | 651 | (36) | 327 | (18) | 502 | (27) | 352 | (19) | **1,832** | **(107.8)** |
| | Infection | 610 | (53) | 416 | (36) | 132 | (11) | 0 | (0) | **1,158** | **(68.1)** |
| | Multisystem | 13 | (33) | 26 | (67) | 0 | (0) | 0 | (0) | **39** | **(2.3)** |
| | Musculoskeletal | 101 | (72) | 39 | (28) | 0 | (0) | 0 | (0) | **140** | **(8.2)** |
| | Neurological | 1,258 | (74) | 183 | (11) | 211 | (12) | 48 | (3) | **1,700** | **(100.0)** |
| | Oncology | 196 | (15) | 206 | (15) | 381 | (28) | 560 | (42) | **1,343** | **(79.0)** |
| | Other | 401 | (38) | 204 | (19) | 449 | (43) | 0 | (0) | **1,054** | **(62.0)** |
| | Respiratory | 3,542 | (46) | 1,601 | (21) | 1,642 | (21) | 912 | (12) | **7,697** | **(452.8)** |
| | Trauma | 410 | (16) | 111 | (4) | 291 | (11) | 1,810 | (69) | **2,622** | **(154.2)** |
| | Unknown | 48 | (41) | 69 | (59) | 0 | (0) | 0 | (0) | **117** | **(6.9)** |
| **2005 Total** | | **11,353** | **(37.9)** | **4,495** | **(15.0)** | **6,628** | **(22.1)** | **7,512** | **(25.1)** | **29,988** | |
| 2006 | Blood / lymphatic | 142 | (96) | 0 | (0) | 6 | (4) | 0 | (0) | **148** | **(10.8)** |
| | Body wall and cavities | 278 | (67) | 135 | (33) | 0 | (0) | 0 | (0) | **413** | **(30.1)** |
| | Cardiovascular | 4,066 | (53) | 1,226 | (16) | 2,109 | (27) | 310 | (4) | **7,711** | **(562.4)** |
| | Endocrine / metabolic | 311 | (42) | 109 | (15) | 0 | (0) | 324 | (44) | **744** | **(54.3)** |
| | Gastrointestinal | 604 | (41) | 353 | (24) | 509 | (35) | 0 | (0) | **1,466** | **(106.9)** |
| | Infection | 597 | (39) | 321 | (21) | 597 | (39) | 0 | (0) | **1,515** | **(110.5)** |
| | Multisystem | 18 | (21) | 0 | (0) | 0 | (0) | 68 | (79) | **86** | **(6.3)** |
| | Musculoskeletal | 160 | (29) | 23 | (4) | 0 | (0) | 377 | (67) | **560** | **(40.8)** |
| | Neurological | 1,042 | (76) | 204 | (15) | 69 | (5) | 56 | (4) | **1,371** | **(100.0)** |
| | Oncology | 254 | (30) | 140 | (16) | 131 | (15) | 332 | (39) | **857** | **(50.4)** |
| | Other | 346 | (46) | 120 | (16) | 292 | (39) | 0 | (0) | **758** | **(44.6)** |
| | Respiratory | 3,749 | (45) | 1,421 | (17) | 1,122 | (13) | 2,082 | (25) | **8,374** | **(492.6)** |
| | Trauma | 363 | (76) | 62 | (13) | 54 | (11) | 0 | (0) | **479** | **(28.2)** |
| | Unknown | 99 | (49) | 65 | (32) | 37 | (18) | 0 | (0) | **201** | **(11.8)** |
| **2006 Total** | | **12,029** | **(48.7)** | **4,179** | **(16.9)** | **4,926** | **(20.0)** | **3,549** | **(14.4)** | **24,683** | |
| 2007 | Blood / lymphatic | 61 | (76) | 19 | (24) | 0 | (0) | 0 | (0) | **80** | **(21.1)** |
| | Body wall and cavities | 232 | (68) | 43 | (13) | 68 | (20) | 0 | (0) | **343** | **(90.5)** |
| | Cardiovascular | 3,900 | (53) | 1,226 | (17) | 1,786 | (24) | 446 | (6) | **7,358** | **(1941.4)** |
| | Endocrine / metabolic | 210 | (50) | 130 | (31) | 84 | (20) | 0 | (0) | **424** | **(111.9)** |
| | Gastrointestinal | 512 | (55) | 133 | (14) | 283 | (30) | 0 | (0) | **928** | **(244.9)** |
| | Infection | 570 | (63) | 177 | (20) | 159 | (18) | 0 | (0) | **906** | **(239.1)** |
| | Multisystem | 19 | (100) | 0 | (0) | 0 | (0) | 0 | (0) | **19** | **(5.0)** |
| | Musculoskeletal | 156 | (11) | 0 | (0) | 115 | (8) | 1,118 | (80) | **1,389** | **(366.5)** |
| | Neurological | 916 | (59) | 160 | (10) | 194 | (12) | 290 | (19) | **1,560** | **(411.6)** |
| | Oncology | 216 | (57) | 33 | (9) | 130 | (34) | 0 | (0) | **379** | **(100.0)** |
| | Other | 245 | (62) | 47 | (12) | 104 | (26) | 0 | (0) | **396** | **(23.3)** |
| | Respiratory | 4,178 | (44) | 1,569 | (17) | 1,960 | (21) | 1,760 | (19) | **9,467** | **(556.9)** |
| | Trauma | 350 | (29) | 120 | (10) | 0 | (0) | 735 | (61) | **1,205** | **(70.9)** |
| | Unknown | 181 | (13) | 169 | (12) | 5 | (0) | 1,015 | (74) | **1,370** | **(80.6)** |
| **2007 Total** | | **11,746** | **(45.5)** | **3,826** | **(14.8)** | **4,888** | **(18.9)** | **5,364** | **(20.8)** | **25,824** | |
| **Grand Total** | | **35,128** | **(43.6)** | **12,500** | **(15.5)** | **16,442** | **(20.4)** | **16,425** | **(20.4)** | **80,495** | |

**Table 40f Mean invasive ventilation days by length of stay (days) by primary diagnostic group, 2005 - 2007**

| Year | NHS Trust | LOS Group (dayss) <14d | 14d to <28d | 28d to <90d | 90d+ | Total |
|---|---|---|---|---|---|---|
| | | | | | | |
| 2005 | Blood / lymphatic | 4 | 12 | 0 | 0 | **5** |
| | Body wall and cavities | 4 | 16 | 24 | 0 | **7** |
| | Cardiovascular | 3 | 14 | 31 | 62 | **6** |
| | Endocrine / metabolic | 4 | 14 | 30 | 162 | **21** |
| | Gastrointestinal | 3 | 16 | 42 | 88 | **8** |
| | Infection | 4 | 16 | 17 | 0 | **6** |
| | Multisystem | 3 | 13 | 0 | 0 | **7** |
| | Musculoskeletal | 2 | 13 | 0 | 0 | **2** |
| | Neurological | 3 | 14 | 23 | 8 | **3** |
| | Oncology | 3 | 21 | 38 | 112 | **14** |
| | Other | 3 | 15 | 45 | 0 | **6** |
| | Respiratory | 4 | 15 | 34 | 83 | **8** |
| | Trauma | 3 | 16 | 29 | 362 | **16** |
| | Unknown | 3 | 14 | 0 | 0 | **5** |
| **2005 Total** | | **3** | **15** | **32** | **91** | **7** |
| | | | | | | |
| 2006 | Blood / lymphatic | 6 | 0 | 3 | 0 | **6** |
| | Body wall and cavities | 4 | 17 | 0 | 0 | **6** |
| | Cardiovascular | 3 | 13 | 31 | 44 | **5** |
| | Endocrine / metabolic | 4 | 16 | 0 | 162 | **8** |
| | Gastrointestinal | 3 | 14 | 25 | 0 | **7** |
| | Infection | 4 | 15 | 33 | 0 | **8** |
| | Multisystem | 2 | 0 | 0 | 17 | **7** |
| | Musculoskeletal | 2 | 8 | 0 | 54 | **6** |
| | Neurological | 2 | 13 | 12 | 8 | **3** |
| | Oncology | 3 | 18 | 22 | 83 | **8** |
| | Other | 3 | 17 | 42 | 0 | **5** |
| | Respiratory | 4 | 14 | 29 | 110 | **8** |
| | Trauma | 3 | 16 | 27 | 0 | **4** |
| | Unknown | 4 | 13 | 9 | 0 | **6** |
| **2006 Total** | | **3** | **14** | **28** | **71** | **6** |
| | | | | | | |
| 2007 | Blood / lymphatic | 3 | 6 | 0 | 0 | **3** |
| | Body wall and cavities | 4 | 14 | 34 | 0 | **6** |
| | Cardiovascular | 3 | 12 | 26 | 45 | **5** |
| | Endocrine / metabolic | 3 | 19 | 21 | 0 | **6** |
| | Gastrointestinal | 4 | 17 | 24 | 0 | **6** |
| | Infection | 4 | 16 | 32 | 0 | **6** |
| | Multisystem | 3 | 0 | 0 | 0 | **3** |
| | Musculoskeletal | 2 | 0 | 38 | 140 | **18** |
| | Neurological | 3 | 11 | 32 | 58 | **4** |
| | Oncology | 4 | 7 | 33 | 0 | **6** |
| | Other | 2 | 16 | 21 | 0 | **3** |
| | Respiratory | 4 | 15 | 25 | 61 | **8** |
| | Trauma | 3 | 15 | 0 | 147 | **9** |
| | Unknown | 4 | 13 | 5 | 145 | **21** |
| **2007 Total** | | **3** | **13** | **26** | **84** | **6** |
| | | | | | | |
| **Grand Total** | | **3** | **14** | **29** | **83** | **6** |

**Table 41 Admissions by unit discharge status and age, 2005 - 2007**

| Unit discharge Status | Age Group (Years) | | | | | | | | Total | |
|---|---|---|---|---|---|---|---|---|---|---|
| | <1 | | 1-4 | | 5-10 | | 11-15 | | | |
| | n | % | n | % | n | % | n | % | n | % |
| | | | | | | | | | | |
| **Alive** | 7,269 | (48) | 4,004 | (27) | 2,009 | (13) | 1,750 | (12) | **15,032** | **(95.2)** |
| **Dead** | 427 | (57) | 158 | (21) | 84 | (11) | 85 | (11) | **754** | **(4.8)** |
| **Total** | **7,696** | **(48.8)** | **4,162** | **(26.4)** | **2,093** | **(13.3)** | **1,835** | **(11.6)** | **15,786** | |

**Table 42 Admissions by unit discharge status and age (<1), 2005 - 2007**

| Unit discharge Status | Age Group (Months) | | | | | | | | Total | |
|---|---|---|---|---|---|---|---|---|---|---|
| | <1 | | 1-2 | | 3-5 | | 6-11 | | | |
| | n | % | n | % | n | % | n | % | n | % |
| | | | | | | | | | | |
| **Alive** | 2,483 | (34) | 1,685 | (23) | 1,444 | (20) | 1,657 | (23) | **7,269** | **(94.5)** |
| **Dead** | 196 | (46) | 77 | (18) | 74 | (17) | 80 | (19) | **427** | **(5.5)** |
| **Total** | **2,679** | **(34.8)** | **1,762** | **(22.9)** | **1,518** | **(19.7)** | **1,737** | **(22.6)** | **7,696** | |

**Table 43 Admissions by unit discharge status and sex, 2005 - 2007**

| Unit discharge Status | Sex | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Male | | Female | | Ambiguous | | Unknown | | Total | |
| | n | % | n | % | n | % | n | % | n | % |
| | | | | | | | | | | |
| **Alive** | 8,520 | (57) | 6,484 | (43) | 6 | (0) | 22 | (0) | **15,032** | **(95.2)** |
| **Dead** | 397 | (53) | 357 | (47) | 0 | (0) | 0 | (0) | **754** | **(4.8)** |
| **Total** | **8,917** | **(56.5)** | **6,841** | **(43.3)** | **6** | **(0.0)** | **22** | **(0.1)** | 15,786 | |

**Table 44 Admissions by unit discharge status and sex (age <1), 2005 - 2007**

| Unit discharge Status | Sex | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Male | | Female | | Ambiguous | | Unknown | | Total | |
| | n | % | n | % | n | % | n | % | n | % |
| | | | | | | | | | | |
| **Alive** | 4,285 | (59) | 2,968 | (41) | 3 | (0) | 13 | (0) | **7,269** | **(94.5)** |
| **Dead** | 234 | (55) | 193 | (45) | 0 | (0) | 0 | (0) | **427** | **(5.5)** |
| **Total** | **4,519** | **(58.7)** | **3,161** | **(41.1)** | **3** | **(0.0)** | **13** | **(0.2)** | 7,696 | |

**Table 45 Admissions by unit discharge status by NHS trust, 2005 - 2007**

| Year | NHS Trust | Unit Discharge Status | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Alive | | Dead | | Unknown | | Total | |
| | | n | % | n | % | n | % | n | % |
| 2005 | A | 411 | (98) | 9 | (2) | 0 | (0) | **420** | **(8.1)** |
| | B | 231 | (100) | 1 | (0) | 0 | (0) | **232** | **(4.5)** |
| | E | 1,409 | (93) | 106 | (7) | 0 | (0) | **1,515** | **(29.3)** |
| | F | 1,071 | (95) | 52 | (5) | 0 | (0) | **1,123** | **(21.7)** |
| | H | 325 | (94) | 22 | (6) | 0 | (0) | **347** | **(6.7)** |
| | J | 95 | (99) | 1 | (1) | 0 | (0) | **96** | **(1.9)** |
| | O | 598 | (98) | 15 | (2) | 0 | (0) | **613** | **(11.9)** |
| | T | 398 | (96) | 15 | (4) | 0 | (0) | **413** | **(8.0)** |
| | U | 385 | (94) | 23 | (6) | 0 | (0) | **408** | **(7.9)** |
| **2005 Total** | | **4,923** | **(95.3)** | **244** | **(4.7)** | **0** | **(0.0)** | 5,167 | |
| 2006 | A | 442 | (98) | 7 | (2) | 0 | (0) | **449** | **(8.6)** |
| | B | 224 | (99) | 2 | (1) | 0 | (0) | **226** | **(4.3)** |
| | E | 1,479 | (92) | 120 | (8) | 0 | (0) | **1,599** | **(30.7)** |
| | F | 1,039 | (96) | 48 | (4) | 0 | (0) | **1,087** | **(20.8)** |
| | H | 284 | (90) | 31 | (10) | 0 | (0) | **315** | **(6.0)** |
| | J | 72 | (97) | 2 | (3) | 0 | (0) | **74** | **(1.4)** |
| | O | 638 | (97) | 18 | (3) | 0 | (0) | **656** | **(12.6)** |
| | T | 427 | (97) | 15 | (3) | 0 | (0) | **442** | **(8.5)** |
| | U | 339 | (92) | 28 | (8) | 0 | (0) | **367** | **(7.0)** |
| **2006 Total** | | **4,944** | **(94.8)** | **271** | **(5.2)** | **0** | **(0.0)** | 5,215 | |
| 2007 | A | 492 | (96) | 20 | (4) | 0 | (0) | **512** | **(9.5)** |
| | B | 167 | (98) | 4 | (2) | 0 | (0) | **171** | **(3.2)** |
| | E | 1,303 | (94) | 80 | (6) | 0 | (0) | **1,383** | **(25.6)** |
| | F | 1,131 | (96) | 49 | (4) | 0 | (0) | **1,180** | **(21.8)** |
| | H | 266 | (91) | 26 | (9) | 0 | (0) | **292** | **(5.4)** |
| | J | 119 | (100) | 0 | (0) | 0 | (0) | **119** | **(2.2)** |
| | O | 615 | (96) | 23 | (4) | 0 | (0) | **638** | **(11.8)** |
| | T | 376 | (98) | 9 | (2) | 0 | (0) | **385** | **(7.1)** |
| | U | 344 | (94) | 23 | (6) | 0 | (0) | **367** | **(6.8)** |
| | Z | 352 | (99) | 5 | (1) | 0 | (0) | **357** | **(6.6)** |
| **2007 Total** | | **5,165** | **(95.6)** | **239** | **(4.4)** | **0** | **(0.0)** | 5,404 | |
| **Grand Total** | | **15,032** | **(95.2)** | **754** | **(4.8)** | **0** | **(0.0)** | 15,786 | |

**Table 46 Admissions by unit discharge destination and age, 2005 - 2007**

| Discharge Destination | Age Group (Years) | | | | | | | | Total | |
|---|---|---|---|---|---|---|---|---|---|---|
| | <1 | | 1-4 | | 5-10 | | 11-15 | | | |
| | n | % | n | % | n | % | n | % | n | % |
| **Normal residence** | 110 | (22) | 196 | (40) | 105 | (21) | 82 | (17) | **493** | **(3.3)** |
| **Hospice** | 11 | (58) | 2 | (11) | 2 | (11) | 4 | (21) | **19** | **(0.1)** |
| **Same hospital** | 5,548 | (48) | 3,060 | (26) | 1,598 | (14) | 1,402 | (12) | **11,608** | **(77.2)** |
| **Other hospital** | 1,505 | (55) | 693 | (25) | 284 | (10) | 240 | (9) | **2,722** | **(18.1)** |
| **Unknown** | 95 | (50) | 53 | (28) | 20 | (11) | 22 | (12) | **190** | **(1.3)** |
| **Total** | **7,269** | **(48.4)** | **4,004** | **(26.6)** | **2,009** | **(13.4)** | **1,750** | **(11.6)** | **15,032** | |

**Table 47 Standardised mortality ratios by trust, 2005**

| NHS Trust | Number of Admissions | Standardised Mortality Ratio Unadjusted (95% CI) SMR | Lower | Upper | Adjusted (95% CI) SMR | Lower | Upper |
|---|---|---|---|---|---|---|---|
| **A** | 425 | **0.49** | 0.24 | 0.90 | **0.61** | 0.29 | 1.10 |
| **B** | 235 | **0.09** | 0.00 | 0.49 | **0.14** | 0.00 | 0.76 |
| **E** | 1,546 | **1.49** | 1.23 | 1.78 | **1.04** | 0.86 | 1.24 |
| **F** | 1,132 | **0.96** | 0.72 | 1.25 | **0.67** | 0.51 | 0.88 |
| **H** | 350 | **1.38** | 0.88 | 2.03 | **1.25** | 0.80 | 1.85 |
| **J** | 97 | **0.22** | 0.01 | 1.17 | **0.40** | 0.01 | 2.17 |
| **O** | 616 | **0.51** | 0.29 | 0.83 | **0.72** | 0.40 | 1.17 |
| **T** | 419 | **0.75** | 0.42 | 1.22 | **0.93** | 0.53 | 1.52 |
| **U** | 412 | **1.17** | 0.75 | 1.73 | **0.70** | 0.45 | 1.04 |

**Figure 47a PICU Standardised mortality ratios by NHS trust with 99.9% control limits, 2005: unadjusted**

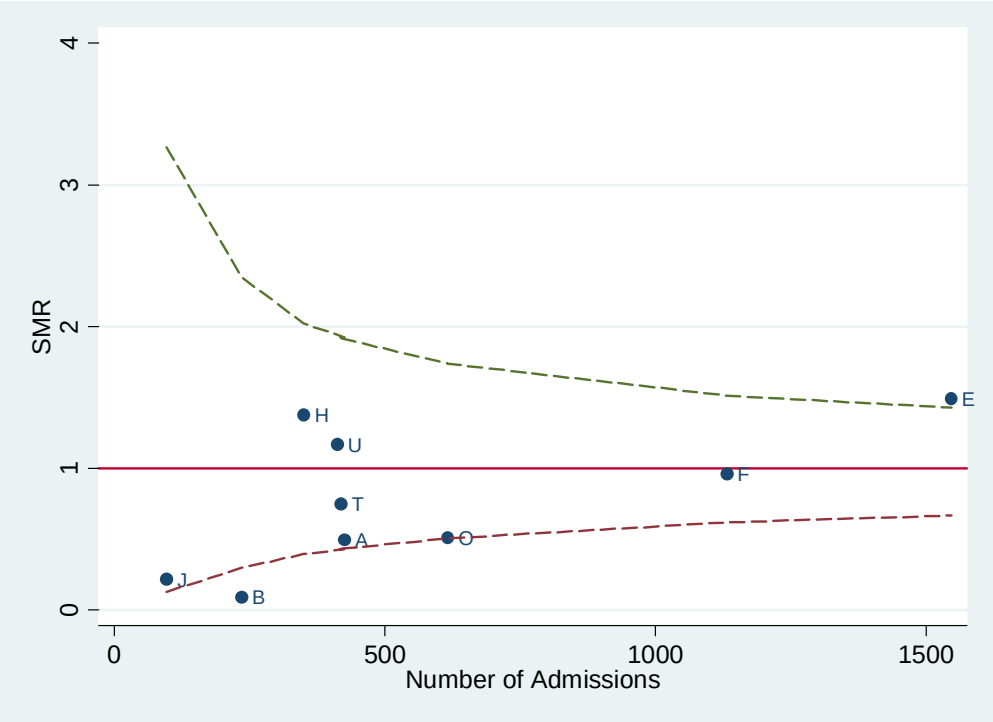



**Figure 47b PICU Standardised mortality ratios by NHS trust with 99.9% control limits, 2005: risk adjusted (PIM)**

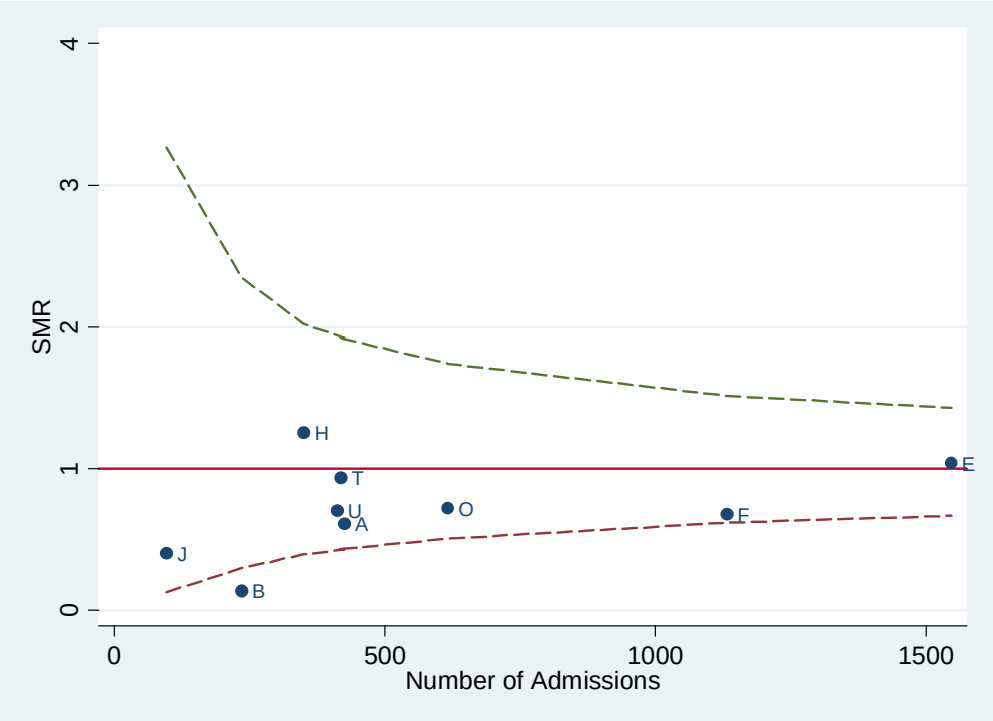


**Table 48 Standardised mortality ratios by trust, 2006**

| NHS Trust | Number of Admissions | Standardised Mortality Ratio | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Unadjusted (95% CI) | | | PIM Adjusted (95% CI) | | | PIM2 Adjusted (95% CI) | | |
| | | SMR | Lower | Upper | SMR | Lower | Upper | SMR | Lower | Upper |
| **A** | 454 | **0.30** | 0.12 | 0.61 | **0.39** | 0.16 | 0.80 | **0.58** | 0.23 | 1.19 |
| **B** | 234 | **0.16** | 0.02 | 0.59 | **0.32** | 0.04 | 1.14 | **0.45** | 0.05 | 1.59 |
| **E** | 1,629 | **1.44** | 1.20 | 1.71 | **1.09** | 0.91 | 1.29 | **1.00** | 0.83 | 1.18 |
| **F** | 1,101 | **0.84** | 0.62 | 1.10 | **0.68** | 0.50 | 0.89 | **0.60** | 0.44 | 0.79 |
| **H** | 322 | **1.91** | 1.33 | 2.64 | **1.85** | 1.28 | 2.55 | **1.20** | 0.83 | 1.66 |
| **J** | 75 | **0.51** | 0.06 | 1.79 | **0.69** | 0.08 | 2.41 | **0.96** | 0.12 | 3.36 |
| **O** | 656 | **0.53** | 0.31 | 0.83 | **0.78** | 0.47 | 1.23 | **0.67** | 0.40 | 1.05 |
| **T** | 450 | **0.68** | 0.39 | 1.10 | **0.84** | 0.49 | 1.36 | **1.24** | 0.71 | 1.99 |
| **U** | 369 | **1.46** | 0.98 | 2.07 | **0.81** | 0.55 | 1.16 | **0.88** | 0.59 | 1.26 |

**Figure 48a PICU Standardised mortality ratios by NHS trust with 99.9% control limits, 2006: unadjusted**

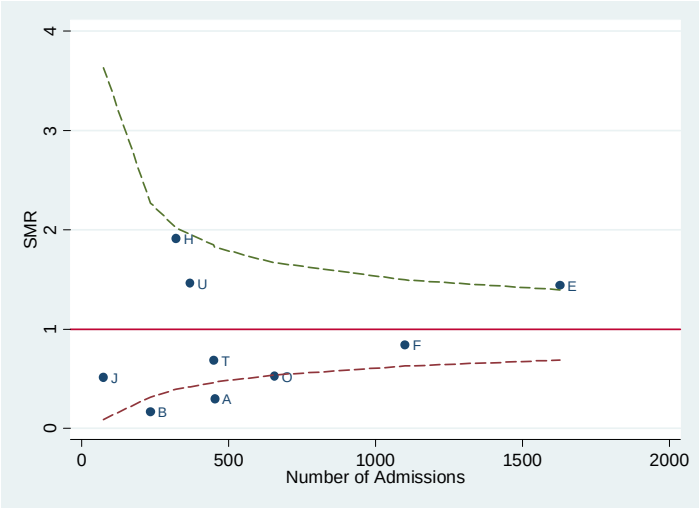



**Figure 48b PICU Standardised mortality ratios by NHS trust with 99.9% control limits, 2006: risk adjusted (PIM)**

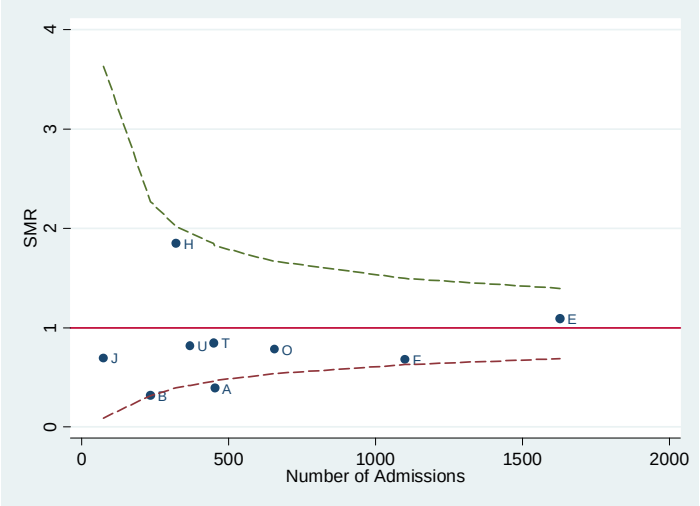



**Figure 48c PICU Standardised mortality ratios by NHS trust with 99.9% control limits, 2006: risk adjusted (PIM2)**

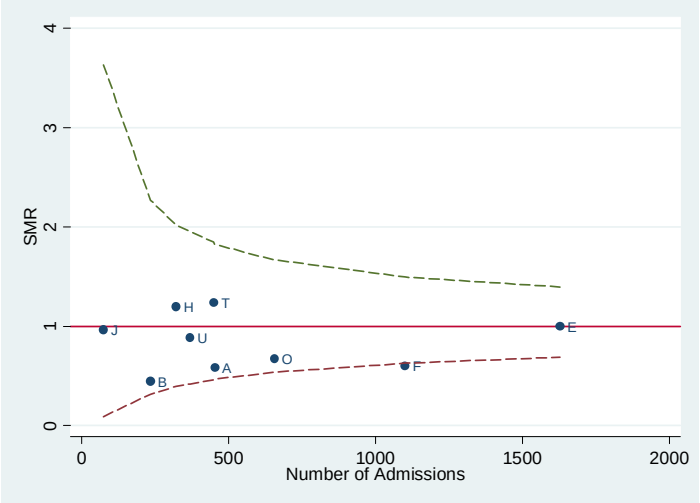


**Table 49 Standardised mortality ratios by trust, 2007**

| NHS Trust | Number of Admissions | Standardised Mortality Ratio | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Unadjusted (95% CI) | | | PIM Adjusted (95% CI) | | | PIM2 Adjusted (95% CI) | | |
| | | SMR | Lower | Upper | SMR | Lower | Upper | SMR | Lower | Upper |
| **A** | 524 | **0.91** | 0.57 | 1.37 | **0.83** | 0.52 | 1.25 | **0.97** | 0.61 | 1.47 |
| **B** | 175 | **0.65** | 0.21 | 1.48 | **0.97** | 0.32 | 2.21 | **1.54** | 0.50 | 3.53 |
| **E** | 1,405 | **1.29** | 1.03 | 1.59 | **0.95** | 0.76 | 1.18 | **0.83** | 0.66 | 1.03 |
| **F** | 1,207 | **0.94** | 0.70 | 1.23 | **0.62** | 0.46 | 0.81 | **0.56** | 0.42 | 0.74 |
| **H** | 294 | **2.00** | 1.33 | 2.87 | **1.72** | 1.14 | 2.47 | **1.42** | 0.94 | 2.04 |
| **J** | 119 | **0.00** | 0.00 | 0.69 | **0.00** | 0.00 | 1.03 | **0.00** | 0.00 | 1.24 |
| **O** | 642 | **0.81** | 0.52 | 1.21 | **1.03** | 0.66 | 1.53 | **0.96** | 0.61 | 1.42 |
| **T** | 401 | **0.51** | 0.23 | 0.95 | **0.44** | 0.20 | 0.82 | **0.70** | 0.32 | 1.32 |
| **U** | 368 | **1.48** | 0.96 | 2.16 | **0.68** | 0.44 | 1.00 | **0.66** | 0.43 | 0.97 |
| **Z** | 364 | **0.31** | 0.10 | 0.72 | **0.49** | 0.16 | 1.14 | **0.72** | 0.23 | 1.67 |

**Figure 49a PICU Standardised mortality ratios by NHS trust with 99.9% control limits, 2007: unadjusted**

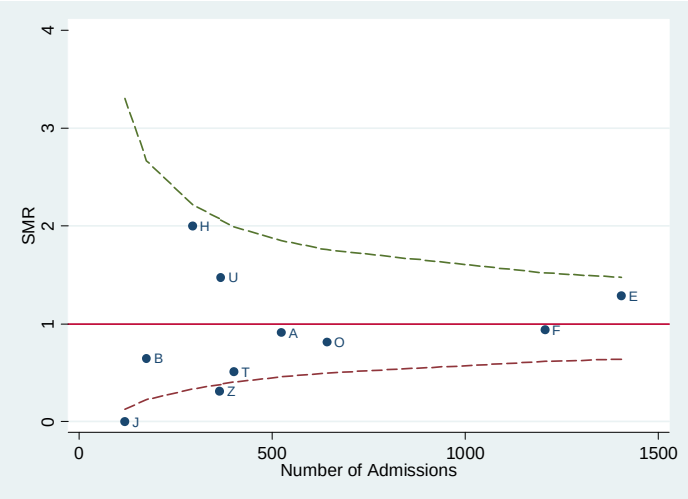



**Figure 49b PICU Standardised mortality ratios by NHS trust with 99.9% control limits, 2007: risk adjusted (PIM)**

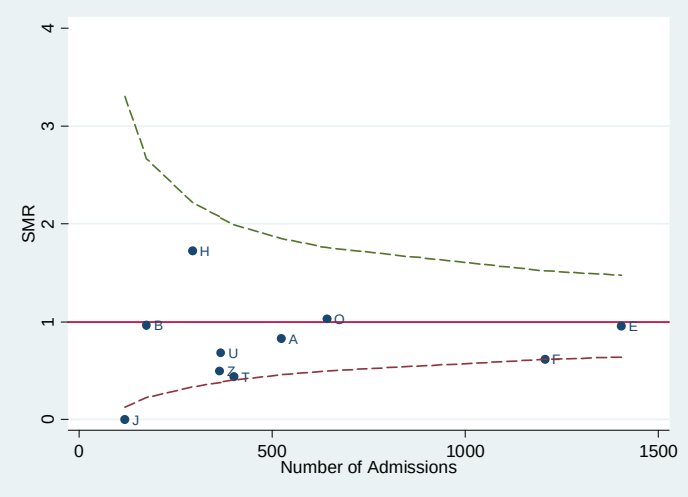



**Figure 49c PICU Standardised mortality ratios by NHS trust with 99.9% control limits, 2007: risk adjusted (PIM2)**

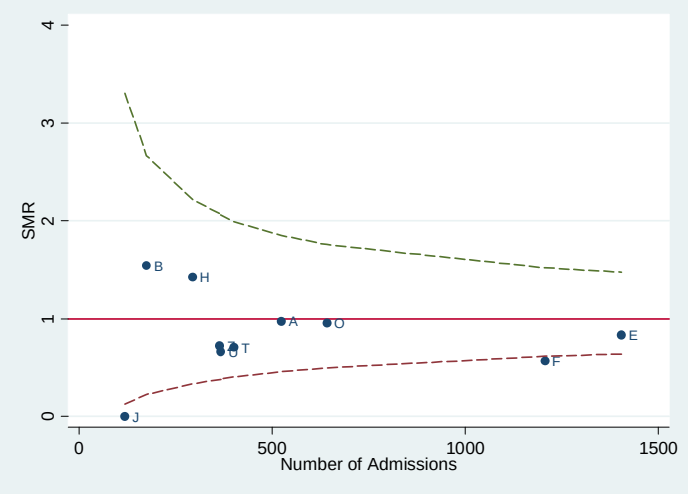


**Table 50 Standardised mortality ratios combined by trust, 2005 - 2007**

| NHS Trust | Number of Admissions | Standardised Mortality Ratio Unadjusted (95% CI) SMR | Lower | Upper | Adjusted (95% CI) SMR | Lower | Upper |
|---|---|---|---|---|---|---|---|
| **A** | 1,403 | **0.57** | 0.40 | 0.77 | **0.64** | 0.45 | 0.87 |
| **B** | 644 | **0.26** | 0.11 | 0.51 | **0.43** | 0.18 | 0.84 |
| **E** | 4,580 | **1.42** | 1.27 | 1.58 | **1.03** | 0.93 | 1.15 |
| **F** | 3,440 | **0.91** | 0.77 | 1.06 | **0.66** | 0.56 | 0.77 |
| **H** | 966 | **1.75** | 1.40 | 2.15 | **1.59** | 1.28 | 1.96 |
| **J** | 291 | **0.22** | 0.04 | 0.62 | **0.34** | 0.07 | 0.97 |
| **O** | 1,914 | **0.61** | 0.46 | 0.79 | **0.84** | 0.64 | 1.09 |
| **T** | 1,270 | **0.66** | 0.47 | 0.89 | **0.72** | 0.52 | 0.97 |
| **U** | 1,149 | **1.36** | 1.08 | 1.69 | **0.73** | 0.58 | 0.91 |
| **Z** | 364 | **0.29** | 0.09 | 0.66 | **0.49** | 0.16 | 1.14 |

**Figure 50a PICU Standardised mortality ratios by NHS trust with 99.9% control limits, 2005 - 2007 combined: unadjusted**

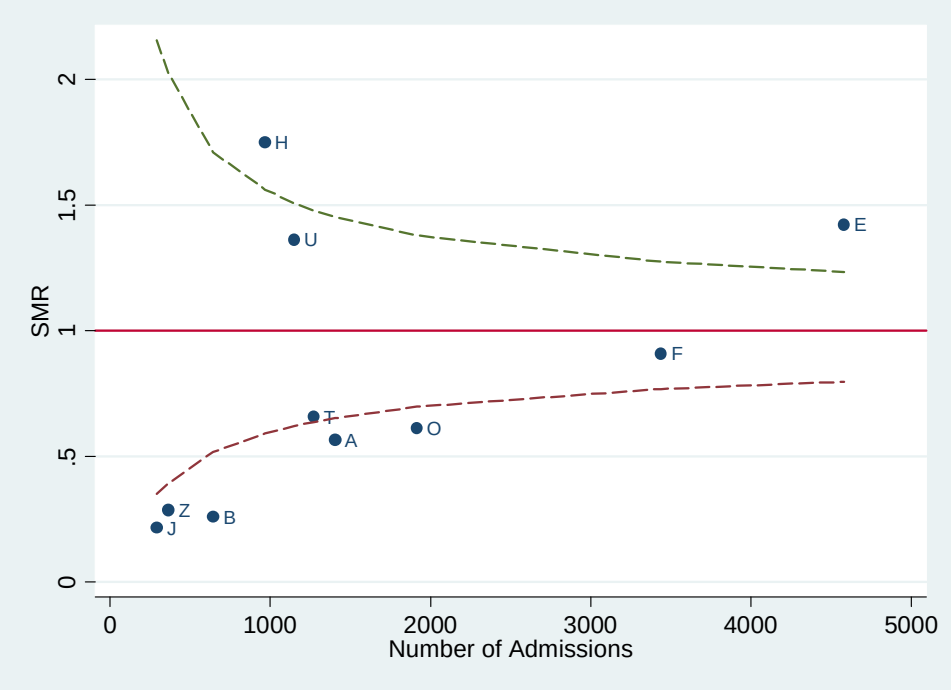



**Figure 50b PICU Standardised mortality ratios by NHS trust with 99.9% control limits, 2005 - 2007 combined: risk adjusted (PIM)**

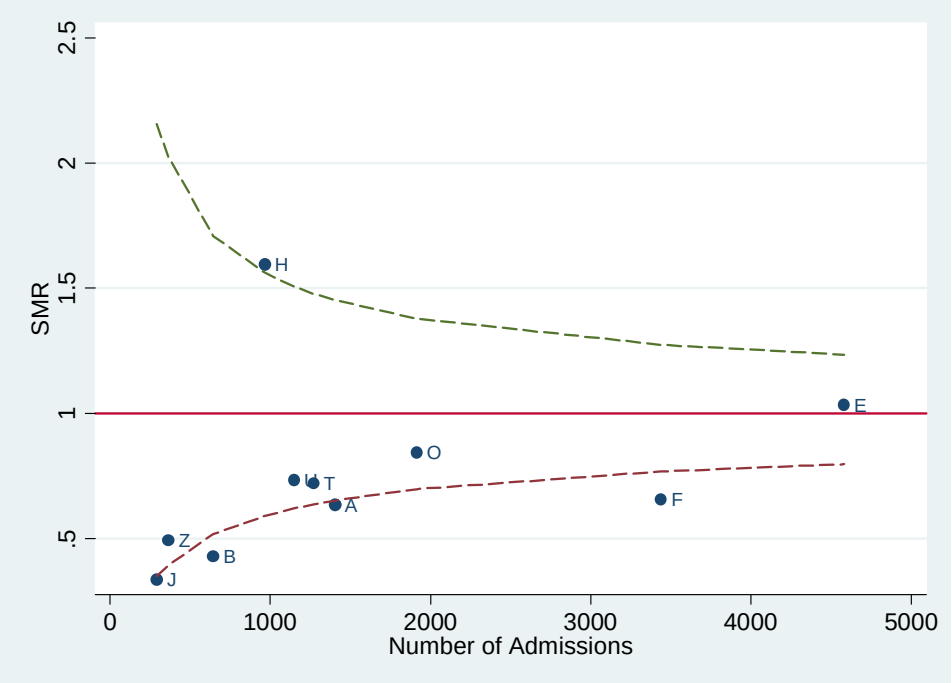


**Figure 50c Risk adjusted mortality (PIM) by SHA / HB in Great Britain, 2005 - 2007**



Note: The maximum SMR (555 for Orkney) is based on 2 deaths in 10 admissions and therefore has a very wide confidence interva

**Table 51 Admissions by follow-up status and age, 2005 - 2007**

| Follow-Up Status | Age Group (Years) | | | | | | | | Total | |
|---|---|---|---|---|---|---|---|---|---|---|
| | <1 | | 1-4 | | 5-10 | | 11-15 | | | |
| | n | % | n | % | n | % | n | % | n | % |
| **Alive** | 1,210 | (49) | 656 | (26) | 311 | (13) | 304 | (12) | **2,481** | **(15.7)** |
| **Dead** | 161 | (69) | 41 | (18) | 15 | (6) | 17 | (7) | **234** | **(1.5)** |
| **Unknown** | 6,325 | (48) | 3,465 | (27) | 1,767 | (14) | 1,514 | (12) | **13,071** | **(82.8)** |
| **Total** | **7,696** | **(48.8)** | **4,162** | **(26.4)** | **2,093** | **(13.3)** | **1,835** | **(11.6)** | **15,786** | |

**Table 52 Admissions by follow-up status and age (<1), 2005 - 2007**

| Follow-Up Status | Age Group (Months) | | | | | | | | Total | |
|---|---|---|---|---|---|---|---|---|---|---|
| | <1 | | 1-2 | | 3-5 | | 6-11 | | | |
| | n | % | n | % | n | % | n | % | n | % |
| | | | | | | | | | | |
| **Alive** | 374 | (31) | 304 | (25) | 254 | (21) | 278 | (23) | **1,210** | **(15.7)** |
| **Dead** | 80 | (50) | 30 | (19) | 34 | (21) | 17 | (11) | **161** | **(2.1)** |
| **Unknown** | 2,225 | (35) | 1,428 | (23) | 1,230 | (19) | 1,442 | (23) | **6,325** | **(82.2)** |
| **Total** | **2,679** | **(34.8)** | **1,762** | **(22.9)** | **1,518** | **(19.7)** | **1,737** | **(22.6)** | **7,696** | |

**Table 53 Admissions by follow-up status and sex, 2005 - 2007**

| Follow-Up Status | Sex | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Male | | Female | | Ambiguous | | Unknown | | Total | |
| | n | % | n | % | n | % | n | % | n | % |
| **Alive** | 1,436 | (58) | 1,032 | (42) | 1 | (0) | 12 | (0) | **2,481** | **(15.7)** |
| **Dead** | 121 | (52) | 113 | (48) | 0 | (0) | 0 | (0) | **234** | **(1.5)** |
| **Unknown** | 7,360 | (56) | 5,696 | (44) | 5 | (0) | 10 | (0) | **13,071** | **(82.8)** |
| **Total** | **8,917** | **(56.5)** | **6,841** | **(43.3)** | **6** | **(0.0)** | **22** | **(0.1)** | **15,786** | |

**Table 54 Admissions by follow-up status and sex (age<1), 2005 - 2007**

| Follow-Up Status | Sex | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Male | | Female | | Ambiguous | | Unknown | | Total | |
| | n | % | n | % | n | % | n | % | n | % |
| | | | | | | | | | | |
| **Alive** | 730 | (60) | 471 | (39) | 1 | (0) | 8 | (1) | **1,210** | **(15.7)** |
| **Dead** | 91 | (57) | 70 | (43) | 0 | (0) | 0 | (0) | **161** | **(2.1)** |
| **Unknown** | 3,698 | (58) | 2,620 | (41) | 2 | (0) | 5 | (0) | **6,325** | **(82.2)** |
| **Total** | **4,519** | **(58.7)** | **3,161** | **(41.1)** | **3** | **(0.0)** | **13** | **(0.2)** | **7,696** | |

**Table 55 Admissions by follow-up status by NHS trust, 2005 - 2007**

| Year | NHS Trust | Follow-Up Status | | | | | | Total | |
|---|---|---|---|---|---|---|---|---|---|
| | | Alive | | Dead | | Unknown | | | |
| | | n | % | n | % | n | % | n | % |
| 2005 | A | 32 | (8) | 1 | (0) | 387 | (92) | **420** | **(8.1)** |
| | B | 201 | (87) | 3 | (1) | 28 | (12) | **232** | **(4.5)** |
| | E | 0 | (0) | 0 | (0) | 1,515 | (100) | **1,515** | **(29.3)** |
| | F | 8 | (1) | 73 | (7) | 1,042 | (93) | **1,123** | **(21.7)** |
| | H | 19 | (5) | 0 | (0) | 328 | (95) | **347** | **(6.7)** |
| | J | 72 | (75) | 4 | (4) | 20 | (21) | **96** | **(1.9)** |
| | O | 478 | (78) | 2 | (0) | 133 | (22) | **613** | **(11.9)** |
| | T | 0 | (0) | 0 | (0) | 413 | (100) | **413** | **(8.0)** |
| | U | 0 | (0) | 0 | (0) | 408 | (100) | **408** | **(7.9)** |
| **2005 Total** | | **810** | **(15.7)** | **83** | **(1.6)** | **4,274** | **(82.7)** | **5,167** | |
| 2006 | A | 4 | (1) | 1 | (0) | 444 | (99) | **449** | **(8.6)** |
| | B | 199 | (88) | 2 | (1) | 25 | (11) | **226** | **(4.3)** |
| | E | 0 | (0) | 0 | (0) | 1,599 | (100) | **1,599** | **(30.7)** |
| | F | 678 | (62) | 71 | (7) | 338 | (31) | **1,087** | **(20.8)** |
| | H | 5 | (2) | 1 | (0) | 309 | (98) | **315** | **(6.0)** |
| | J | 64 | (86) | 1 | (1) | 9 | (12) | **74** | **(1.4)** |
| | O | 0 | (0) | 0 | (0) | 656 | (100) | **656** | **(12.6)** |
| | T | 0 | (0) | 0 | (0) | 442 | (100) | **442** | **(8.5)** |
| | U | 46 | (13) | 4 | (1) | 317 | (86) | **367** | **(7.0)** |
| **2006 Total** | | **996** | **(19.1)** | **80** | **(1.5)** | **4,139** | **(79.4)** | **5,215** | |
| 2007 | A | 0 | (0) | 0 | (0) | 512 | (100) | **512** | **(9.5)** |
| | B | 140 | (82) | 5 | (3) | 26 | (15) | **171** | **(3.2)** |
| | E | 0 | (0) | 0 | (0) | 1,383 | (100) | **1,383** | **(25.6)** |
| | F | 208 | (18) | 62 | (5) | 910 | (77) | **1,180** | **(21.8)** |
| | H | 3 | (1) | 0 | (0) | 289 | (99) | **292** | **(5.4)** |
| | J | 108 | (91) | 4 | (3) | 7 | (6) | **119** | **(2.2)** |
| | O | 0 | (0) | 0 | (0) | 638 | (100) | **638** | **(11.8)** |
| | T | 1 | (0) | 0 | (0) | 384 | (100) | **385** | **(7.1)** |
| | U | 0 | (0) | 0 | (0) | 367 | (100) | **367** | **(6.8)** |
| | Z | 215 | (60) | 0 | (0) | 142 | (40) | **357** | **(6.6)** |
| **2007 Total** | | **675** | **(12.5)** | **71** | **(1.3)** | **4,658** | **(86.2)** | **5,404** | |
| **Grand Total** | | **2,481** | **(15.7)** | **234** | **(1.5)** | **13,071** | **(82.8)** | **15,786** | |

**Table 56 Re-Admissions by NHS trust and source of previous admission, 2005 - 2007**

| NHS Trust | Source of Previous Admission | | | | | | Total | |
|---|---|---|---|---|---|---|---|---|
| | Same NHS Trust | | Other NHS Trust | | No Previous Admission | | | |
| | n | % | n | % | n | % | n | % |
| **A** | 280 | (20) | 34 | (2) | 1,067 | (77) | **1,381** | **(8.7)** |
| **B** | 151 | (24) | 39 | (6) | 439 | (70) | **629** | **(4.0)** |
| **E** | 1,172 | (26) | 344 | (8) | 2,981 | (66) | **4,497** | **(28.5)** |
| **F** | 1,027 | (30) | 216 | (6) | 2,147 | (63) | **3,390** | **(21.5)** |
| **H** | 244 | (26) | 77 | (8) | 633 | (66) | **954** | **(6.0)** |
| **J** | 23 | (8) | 26 | (9) | 240 | (83) | **289** | **(1.8)** |
| **O** | 621 | (33) | 88 | (5) | 1,198 | (63) | **1,907** | **(12.1)** |
| **T** | 297 | (24) | 99 | (8) | 844 | (68) | **1,240** | **(7.9)** |
| **U** | 135 | (12) | 116 | (10) | 891 | (78) | **1,142** | **(7.2)** |
| **Z** | 66 | (18) | 37 | (10) | 254 | (71) | **357** | **(2.3)** |
| **Total** | **4,016** | **(25.4)** | **1,076** | **(6.8)** | **10,694** | **(67.7)** | **15,786** | |

**Table 57 Number of admissions of individual children by their NHS trust of first admission, 2005 - 2007**

| NHS Trust | Number of Admissions | | | | | | | | | | | | | | | | Total | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8+ | | | |
| | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % |
| **A** | 885 | (79) | 142 | (13) | 56 | (5) | 19 | (2) | 12 | (1) | 1 | (0) | 1 | (0) | 4 | (0) | **1,120** | **(9.7)** |
| **B** | 356 | (75) | 71 | (15) | 17 | (4) | 9 | (2) | 6 | (1) | 3 | (1) | 2 | (0) | 9 | (2) | **473** | **(4.1)** |
| **C** | 0 | (0) | 1 | (20) | 2 | (40) | 2 | (40) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | **5** | **-** |
| **D** | 0 | (0) | 1 | (10) | 1 | (10) | 3 | (30) | 2 | (20) | 0 | (0) | 2 | (20) | 1 | (10) | **10** | **-** |
| **E** | 2,356 | (74) | 494 | (15) | 183 | (6) | 82 | (3) | 31 | (1) | 18 | (1) | 11 | (0) | 18 | (1) | **3,193** | **(27.7)** |
| **F** | 1,576 | (68) | 411 | (18) | 164 | (7) | 83 | (4) | 46 | (2) | 15 | (1) | 8 | (0) | 20 | (1) | **2,323** | **(20.1)** |
| **G** | 0 | (0) | 1 | (50) | 0 | (0) | 1 | (50) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | **2** | **-** |
| **H** | 493 | (75) | 91 | (14) | 44 | (7) | 15 | (2) | 6 | (1) | 2 | (0) | 4 | (1) | 4 | (1) | **659** | **(5.7)** |
| **I** | 0 | (0) | 3 | (30) | 4 | (40) | 1 | (10) | 1 | (10) | 1 | (10) | 0 | (0) | 0 | (0) | **10** | **-** |
| **J** | 193 | (76) | 37 | (15) | 15 | (6) | 3 | (1) | 4 | (2) | 0 | (0) | 0 | (0) | 2 | (1) | **254** | **(2.2)** |
| **K** | 0 | (0) | 0 | (0) | 0 | (0) | 1 | (100) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | **1** | **-** |
| **L** | 0 | (0) | 2 | (50) | 0 | (0) | 1 | (25) | 0 | (0) | 0 | (0) | 0 | (0) | 1 | (25) | **4** | **-** |
| **M** | 0 | (0) | 1 | (33) | 0 | (0) | 1 | (33) | 0 | (0) | 1 | (33) | 0 | (0) | 0 | (0) | **3** | **-** |
| **N** | 0 | (0) | 15 | (54) | 7 | (25) | 3 | (11) | 1 | (4) | 0 | (0) | 0 | (0) | 2 | (7) | **28** | **(0.2)** |
| **O** | 835 | (65) | 275 | (21) | 94 | (7) | 46 | (4) | 29 | (2) | 6 | (0) | 3 | (0) | 5 | (0) | **1,293** | **(11.2)** |
| **P** | 0 | (0) | 6 | (32) | 6 | (32) | 4 | (21) | 1 | (5) | 1 | (5) | 0 | (0) | 1 | (5) | **19** | **(0.2)** |
| **Q** | 0 | (0) | 0 | (0) | 0 | (0) | 1 | (50) | 0 | (0) | 0 | (0) | 1 | (50) | 0 | (0) | **2** | **-** |
| **R** | 0 | (0) | 6 | (21) | 6 | (21) | 8 | (29) | 3 | (11) | 1 | (4) | 1 | (4) | 3 | (11) | **28** | **(0.2)** |
| **T** | 696 | (79) | 105 | (12) | 44 | (5) | 13 | (1) | 5 | (1) | 3 | (0) | 2 | (0) | 11 | (1) | **879** | **(7.6)** |
| **U** | 765 | (83) | 104 | (11) | 31 | (3) | 15 | (2) | 2 | (0) | 1 | (0) | 1 | (0) | 5 | (1) | **924** | **(8.0)** |
| **V** | 0 | (0) | 4 | (40) | 3 | (30) | 0 | (0) | 1 | (10) | 1 | (10) | 0 | (0) | 1 | (10) | **10** | **-** |
| **W** | 0 | (0) | 11 | (61) | 4 | (22) | 2 | (11) | 1 | (6) | 0 | (0) | 0 | (0) | 0 | (0) | **18** | **(0.2)** |
| **X** | 0 | (0) | 4 | (27) | 5 | (33) | 2 | (13) | 2 | (13) | 1 | (7) | 0 | (0) | 1 | (7) | **15** | **(0.1)** |
| **Y** | 0 | (0) | 1 | (50) | 0 | (0) | 1 | (50) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | **2** | **-** |
| **Z** | 216 | (85) | 20 | (8) | 9 | (4) | 5 | (2) | 2 | (1) | 0 | (0) | 0 | (0) | 2 | (1) | **254** | **(2.2)** |
| **Total** | **8,371** | **(72.6)** | **1,806** | **(15.7)** | **695** | **(6.0)** | **321** | **(2.8)** | **155** | **(1.3)** | **55** | **(0.5)** | **36** | **(0.3)** | **90** | **(0.8)** | 11,529 | |

**Table 58 Number of individual children by NHS trust and diagnostic group of first admission, 2005 - 2007**

| NHS Trust | Diagnostic Group | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Blood / lymphatic | | Body wall and cavities | | Cardiovascular | | Endocrine / metabolic | | Gastrointestinal | | Infection | | Multisystem | | Musculoskeletal | | Neurological | | Oncology | | Respiratory | | Trauma | | Other | | Missing | | Total | |
| | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % | n | % |
| **A** | 21 | (2) | 21 | (2) | 30 | (3) | 38 | (3) | 97 | (9) | 58 | (5) | 11 | (1) | 57 | (5) | 207 | (18) | 159 | (14) | 264 | (24) | 75 | (7) | 81 | (7) | 1 | (0) | **1,120** | **(9.7)** |
| **B** | 4 | (1) | 23 | (5) | 11 | (2) | 25 | (5) | 81 | (17) | 34 | (7) | 0 | (0) | 5 | (1) | 54 | (11) | 6 | (1) | 168 | (36) | 18 | (4) | 42 | (9) | 2 | (0) | **473** | **(4.1)** |
| **C** | 0 | (0) | 0 | (0) | 1 | (20) | 0 | (0) | 0 | (0) | 1 | (20) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 3 | (60) | 0 | (0) | 0 | (0) | 0 | (0) | **5** | **-** |
| **D** | 0 | (0) | 0 | (0) | 4 | (40) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 1 | (10) | 0 | (0) | 5 | (50) | 0 | (0) | 0 | (0) | 0 | (0) | **10** | **-** |
| **E** | 23 | (1) | 102 | (3) | 1,307 | (41) | 94 | (3) | 213 | (7) | 104 | (3) | 7 | (0) | 71 | (2) | 293 | (9) | 95 | (3) | 624 | (20) | 152 | (5) | 108 | (3) | 0 | (0) | **3,193** | **(27.7)** |
| **F** | 8 | (0) | 15 | (1) | 944 | (41) | 56 | (2) | 34 | (1) | 131 | (6) | 2 | (0) | 93 | (4) | 249 | (11) | 6 | (0) | 625 | (27) | 44 | (2) | 95 | (4) | 21 | (1) | **2,323** | **(20.1)** |
| **G** | 0 | (0) | 0 | (0) | 1 | (50) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 1 | (50) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | **2** | **-** |
| **H** | 12 | (2) | 15 | (2) | 10 | (2) | 22 | (3) | 116 | (18) | 28 | (4) | 0 | (0) | 4 | (1) | 115 | (17) | 23 | (3) | 89 | (14) | 65 | (10) | 157 | (24) | 3 | (0) | **659** | **(5.7)** |
| **I** | 0 | (0) | 0 | (0) | 6 | (60) | 1 | (10) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 3 | (30) | 0 | (0) | 0 | (0) | 0 | (0) | **10** | **-** |
| **J** | 8 | (3) | 19 | (7) | 6 | (2) | 8 | (3) | 65 | (26) | 8 | (3) | 0 | (0) | 0 | (0) | 27 | (11) | 5 | (2) | 81 | (32) | 4 | (2) | 22 | (9) | 1 | (0) | **254** | **(2.2)** |
| **K** | 0 | (0) | 0 | (0) | 1 | (100) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | **1** | **-** |
| **L** | 0 | (0) | 0 | (0) | 1 | (25) | 1 | (25) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 1 | (25) | 0 | (0) | 1 | (25) | 0 | (0) | 0 | (0) | 0 | (0) | **4** | **-** |
| **M** | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 1 | (33) | 0 | (0) | 2 | (67) | 0 | (0) | 0 | (0) | 0 | (0) | **3** | **-** |
| **N** | 1 | (4) | 0 | (0) | 16 | (57) | 0 | (0) | 1 | (4) | 0 | (0) | 0 | (0) | 0 | (0) | 1 | (4) | 1 | (4) | 8 | (29) | 0 | (0) | 0 | (0) | 0 | (0) | **28** | **(0.2)** |
| **O** | 1 | (0) | 0 | (0) | 1,109 | (86) | 4 | (0) | 9 | (1) | 8 | (1) | 0 | (0) | 9 | (1) | 2 | (0) | 11 | (1) | 125 | (10) | 0 | (0) | 6 | (0) | 9 | (1) | **1,293** | **(11.2)** |
| **P** | 0 | (0) | 0 | (0) | 12 | (63) | 0 | (0) | 1 | (5) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 5 | (26) | 0 | (0) | 1 | (5) | 0 | (0) | **19** | **(0.2)** |
| **Q** | 0 | (0) | 0 | (0) | 1 | (50) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 1 | (50) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | **2** | **-** |
| **R** | 0 | (0) | 0 | (0) | 10 | (36) | 0 | (0) | 5 | (18) | 1 | (4) | 0 | (0) | 0 | (0) | 1 | (4) | 1 | (4) | 10 | (36) | 0 | (0) | 0 | (0) | 0 | (0) | **28** | **(0.2)** |
| **T** | 20 | (2) | 11 | (1) | 15 | (2) | 20 | (2) | 113 | (13) | 42 | (5) | 0 | (0) | 13 | (1) | 138 | (16) | 139 | (16) | 282 | (32) | 45 | (5) | 41 | (5) | 0 | (0) | **879** | **(7.6)** |
| **U** | 28 | (3) | 1 | (0) | 46 | (5) | 37 | (4) | 26 | (3) | 101 | (11) | 0 | (0) | 0 | (0) | 228 | (25) | 1 | (0) | 395 | (43) | 8 | (1) | 33 | (4) | 20 | (2) | **924** | **(8.0)** |
| **V** | 0 | (0) | 0 | (0) | 5 | (50) | 0 | (0) | 1 | (10) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 3 | (30) | 1 | (10) | 0 | (0) | 0 | (0) | **10** | **-** |
| **W** | 0 | (0) | 0 | (0) | 14 | (78) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 1 | (6) | 3 | (17) | 0 | (0) | 0 | (0) | 0 | (0) | **18** | **(0.2)** |
| **X** | 0 | (0) | 2 | (13) | 5 | (33) | 0 | (0) | 2 | (13) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 5 | (33) | 0 | (0) | 1 | (7) | 0 | (0) | **15** | **(0.1)** |
| **Y** | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 1 | (50) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 0 | (0) | 1 | (50) | 0 | (0) | 0 | (0) | 0 | (0) | **2** | **-** |
| **Z** | 16 | (6) | 3 | (1) | 7 | (3) | 14 | (6) | 9 | (4) | 17 | (7) | 0 | (0) | 0 | (0) | 19 | (7) | 1 | (0) | 126 | (50) | 27 | (11) | 15 | (6) | 0 | (0) | **254** | **(2.2)** |
| **Total** | **142** | **(1.2)** | **212** | **(1.8)** | **3,562** | **(30.9)** | **320** | **(2.8)** | **774** | **(6.7)** | **533** | **(4.6)** | **20** | **(0.2)** | **252** | **(2.2)** | **1,338** | **(11.6)** | **450** | **(3.9)** | **2,828** | **(24.5)** | **439** | **(3.8)** | **602** | **(5.2)** | **57** | **(0.5)** | **11,529** | |

**Table 59 Individual child admissions by diagnostic group and readmission status, 2005 - 2007**

| Diagnostic Group | Number of Admissions | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Single | | Multiple (1 trust) | | Multiple (2+ trusts) | | Total | |
| | n | % | n | % | n | % | n | % |
| **Blood / lymphatic** | 100 | (70) | 31 | (22) | 11 | (8) | **142** | **(1.2)** |
| **Body wall and cavities** | 165 | (78) | 32 | (15) | 15 | (7) | **212** | **(1.8)** |
| **Cardiovascular** | 2,243 | (63) | 1,082 | (30) | 237 | (7) | **3,562** | **(30.9)** |
| **Endocrine / metabolic** | 265 | (83) | 29 | (9) | 26 | (8) | **320** | **(2.8)** |
| **Gastrointestinal** | 556 | (72) | 166 | (21) | 52 | (7) | **774** | **(6.7)** |
| **Infection** | 450 | (84) | 47 | (9) | 36 | (7) | **533** | **(4.6)** |
| **Missing** | 30 | (53) | 22 | (39) | 5 | (9) | **57** | **(0.5)** |
| **Multisystem** | 11 | (55) | 7 | (35) | 2 | (10) | **20** | **(0.2)** |
| **Musculoskeletal** | 204 | (81) | 38 | (15) | 10 | (4) | **252** | **(2.2)** |
| **Neurological** | 1,047 | (78) | 177 | (13) | 114 | (9) | **1,338** | **(11.6)** |
| **Oncology** | 316 | (70) | 111 | (25) | 23 | (5) | **450** | **(3.9)** |
| **Other** | 472 | (78) | 95 | (16) | 35 | (6) | **602** | **(5.2)** |
| **Respiratory** | 2,104 | (74) | 395 | (14) | 329 | (12) | **2,828** | **(24.5)** |
| **Trauma** | 408 | (93) | 19 | (4) | 12 | (3) | **439** | **(3.8)** |
| **Total** | **8,371** | **(72.6)** | **2,251** | **(19.5)** | **907** | **(7.9)** | **11,529** | |

**Table 60 Age specific prevalence (per 100,000 per year) for admissior to paediatric intensive care in the Pan Thames region, 2005 - 2007**

| Sex | Age Group (Years) | Population (2001 Census) | Prevalence Rates 2005 (95% CI) | | | 2006 (95% CI) | | | 2007 (95% CI) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Rate | Lower | Upper | Rate | Lower | Upper | Rate | Lower | Upper |
| **Male** | **<1** | **102,980** | 1,288 | 1,219 | 1,357 | 1,294 | 1,225 | 1,364 | 1,326 | 1,256 | 1,395 |
| | **1-4** | **430,040** | 145 | 133 | 156 | 163 | 151 | 175 | 170 | 158 | 183 |
| | **5-10** | **651,897** | 51 | 46 | 56 | 51 | 46 | 57 | 53 | 48 | 59 |
| | **11-15** | **531,557** | 53 | 47 | 59 | 51 | 45 | 57 | 60 | 54 | 67 |
| **Female** | **<1** | **98,892** | 918 | 859 | 978 | 901 | 842 | 960 | 1,032 | 969 | 1,095 |
| | **1-4** | **411,191** | 133 | 121 | 144 | 127 | 117 | 138 | 137 | 125 | 148 |
| | **5-10** | **622,531** | 50 | 44 | 56 | 44 | 39 | 49 | 43 | 38 | 48 |
| | **11-15** | **506,380** | 43 | 37 | 49 | 53 | 47 | 60 | 63 | 56 | 70 |
| **Total** | | **3,355,468** | **135** | **132** | **139** | **137** | **133** | **141** | **147** | **143** | **151** |

**Table 61 Age-sex standardised prevalence (per 100,000 per year) for admissions to paediatric intensive care by SHA in the Pan Thames region, 2005 - 2007**

| Country | SHA / HB | Population (2001 Census) | Prevalence | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 2005 (95% CI) | | | 2006 (95% CI) | | | 2007 (95% CI) | | | 2005 - 2007 (95% CI) | | |
| | | | Rate | Lower | Upper | Rate | Lower | Upper | Rate | Lower | Upper | Rate | Lower | Upper |
| | | | | | | | | | | | | | | |
| England | East of England | 1,083,270 | 110 | 103 | 116 | 113 | 107 | 120 | 124 | 117 | 131 | 116 | 112 | 119 |
| | London | 1,451,005 | 148 | 142 | 154 | 149 | 143 | 155 | 166 | 160 | 173 | 154 | 151 | 158 |
| | South East Coast | 821,193 | 146 | 137 | 154 | 145 | 137 | 154 | 141 | 132 | 149 | 144 | 139 | 149 |
| | | | | | | | | | | | | | | |
| **Total** | | **3,355,468** | **135** | **132** | **139** | **137** | **133** | **141** | **147** | **143** | **151** | **140** | **138** | **142** |

**Figure 61a Age-Sex standardised prevalence (per 100,000 per year) for admissions to paediatric intensive care by SHA in England and Wales, 2005 - 2007**

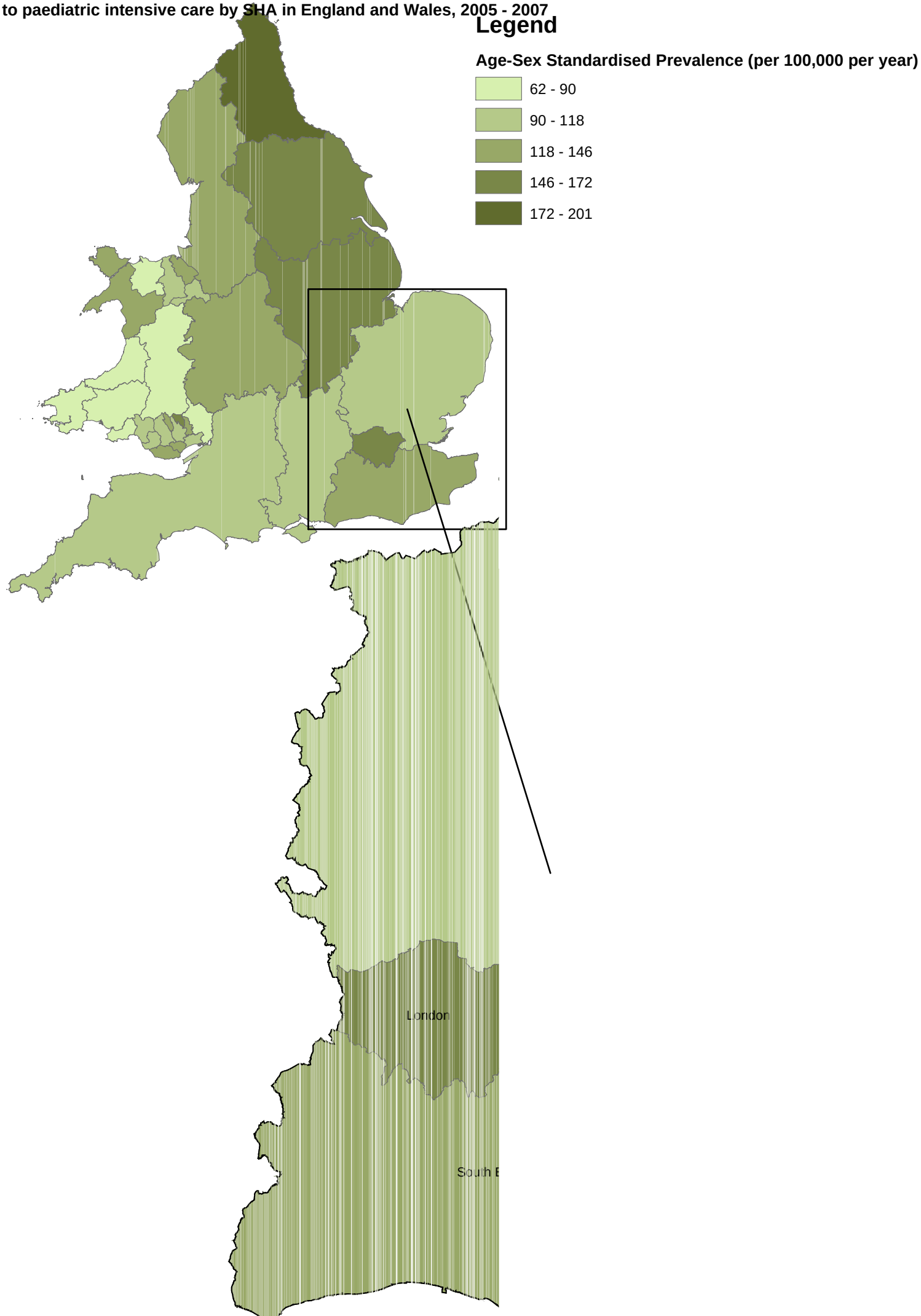
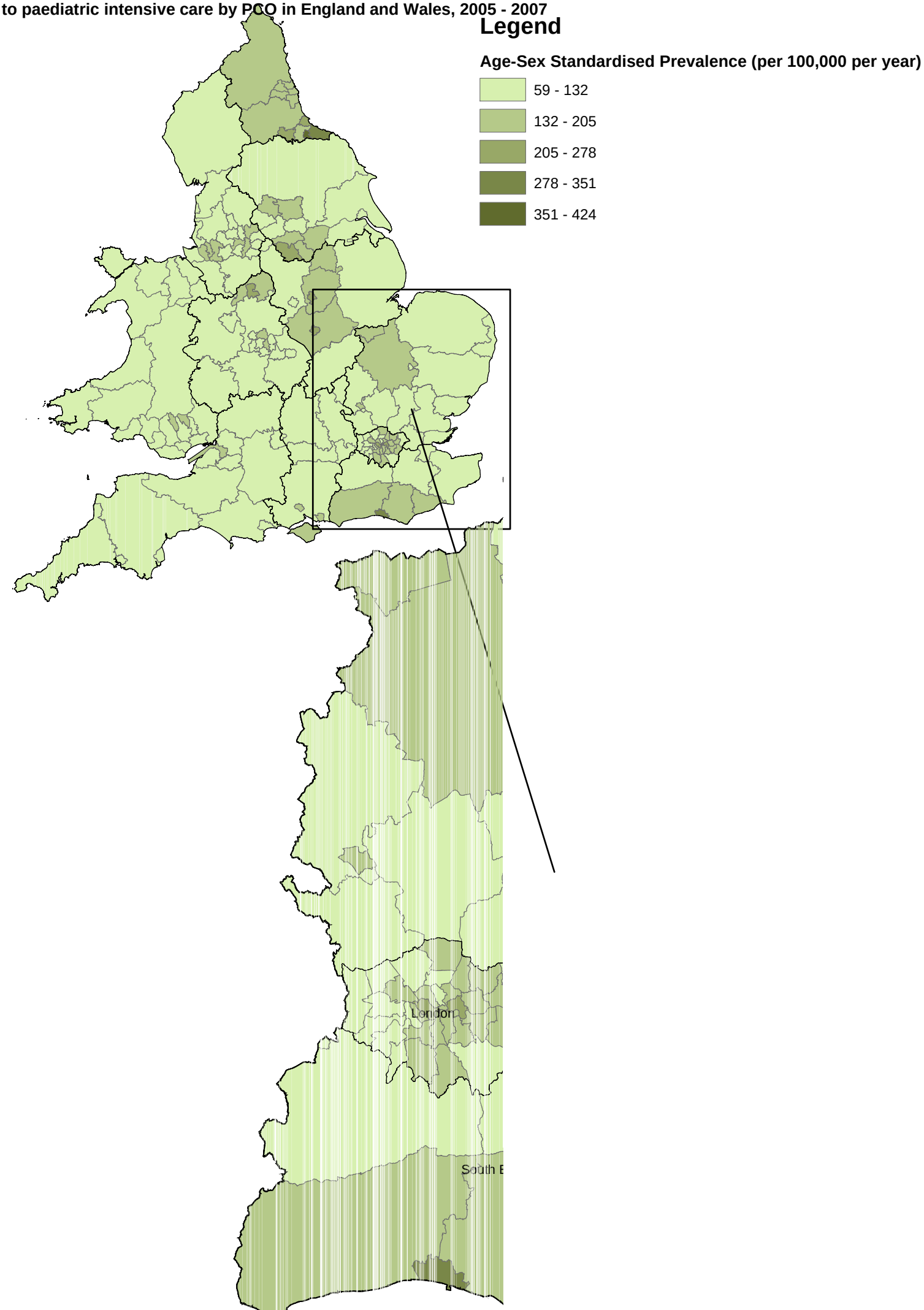


**Figure 61b Age-Sex standardised prevalence (per 100,000 per year) for admissions to paediatric intensive care by PCO in England and Wales, 2005 - 2007**



## APPENDIX A PARTICIPATING NHS TRUSTS AND HOSPITAL CHARACTERISTICS

| NHS Trust | Participating Hospital | Unit / Ward | Number of ITU beds | Number of HDU beds | Type of unit |
|---|---|---|---|---|---|
| Barts and the London NHS Trust | Barts and The London Children's Hospital | PCCU | 2 ventilated beds | 4 | General |
| Birmingham Children's Hospital NHS Trust | Birmingham Children's Hospital | PICU | 19 | 0 | General & Cardiac |
| Brighton & Sussex University Hospitals NHS Trust | The Royal Alexandra Children's Hospital | L8 PICU | 1.5[1] | 8[2] | General |
| Cambridge University Hospitals NHS Foundation Trust | Addenbrooke's Hospital | PICU | 6 | 2 | General |
| Cardiff & Vale NHS Trust | University Hospital of Wales | PICU | 7 | 0 | General |
| Central Manchester & Manchester Children's University Hospitals NHS Trust | Royal Manchester Children's Hospital | PICU | 15 | 0 | General |
| Great Ormond Street Hospital for Children NHS Trust | Great Ormond Street Hospital for Children | CCCU | 14-16[3] | 0 | Cardiac |
| | Great Ormond Street Hospital for Children | PICU & NICU | 21 | 0 | General & Neonatal Unit |
| Guy's & St. Thomas' NHS Foundation Trust | Evelina Children's Hospital | PICU | 15 | 0 | General & Cardiac |
| Hull & East Yorkshire Hospitals NHS Trust | Hull Royal Infirmary | PICU beds on AITU | 0 | 4[4] | Adult ICU providing General PICU |
| King's College Hospital NHS Trust | King's College Hospital | PICU | 6[5] | 0 | General & Hepatic & Neurosurgical |
| Leeds Teaching Hospitals NHS Trust | Leeds General Infirmary | Wards 2 & 4 | 17[6] | 0 | General & Cardiac |
| | St. James's University Hospital | PICU | 17[6] | 0 | General |
| Newcastle Upon Tyne Hospitals NHS Foundation Trust | Newcastle General Hospital | PICU | 10[7] | 6[7] | General |
| | Royal Victoria Infirmary | Ward 3 | | | Surgical ICU |
| | Freeman Hospital | PICU Freeman | 7[8] | 0 | Cardiothoracic surgery & ECMO |
| NHS Lothian – University Hospitals Division | Royal Hospital for Sick Children, Edinburgh | PICU | 7[9] | 6[9] | General |
| NHS Greater Glasgow and Clyde – Women and Children's Division | Royal Hospital for Sick Children, Yorkhill | PICU | 16[10] | 6[10] | General, Cardiac & ECMO |
| Oxford Radcliffe Hospitals NHS Trust | The John Radcliffe Hospital | PICU | 7 | 2[11] | General & Cardiac |
| Nottingham University Hospitals NHS Trust | Queen's Medical Centre | PICU | 6 | 4 | General (plus regional neurosurgical, spinal and cleft lip & palate services) |

| NHS Trust | Participating Hospital | Unit / Ward | Number of ITU beds | Number of HDU beds | Type of unit |
|---|---|---|---|---|---|
| Royal Brompton & Harefield NHS Trust | Royal Brompton Hospital | PICU | 10 | 4 | Cardiac & Respiratory |
| Royal Liverpool Children's NHS Trust | Royal Liverpool Children's Hospital | PICU | 21 | 0 | General & Cardiac |
| Sheffield Children's NHS Foundation Trust | Sheffield Children's Hospital | PICU | 9 | 2 | General |
| | Sheffield Children's Hospital | Neonatal Surgical Unit | 2 | 0 | Neonatal Surgical Unit |
| Southampton University Hospitals NHS Trust | Southampton General Hospital | PICU | 10[12] | 0 | General & Cardiac |
| South Tees Hospitals NHS Trust | James Cook University Hospital | PICU | 4 | 0 | General |
| St. George's Healthcare NHS Trust | St. George's Hospital | PICU | 5 | 0 | General & Neurosurgical |
| St. Mary's NHS Trust | St. Mary's Hospital | PICU | 8 | 2 | General |
| The Lewisham Hospital NHS Trust | University Hospital, Lewisham | PICU | 1 | 2[13] | General & Surgery |
| The Royal Group of Hospitals and Dental Hospital HSS Trust | Royal Belfast Hospital for Sick Children | PICU | 7[14] | 0 | General |
| United Bristol Healthcare NHS Trust | Bristol Royal Hospital for Children | PICU | 14[15] | 0 | General & Cardiac |
| University Hospitals of Leicester NHS Trust | Leicester Royal Infirmary | CICU | 6 | 2 | General |
| | Glenfield Hospital | PICU | 5 | 0 | Cardiac, General & ECMO |
| University Hospital of North Staffordshire NHS Trust | University Hospital of North Staffordshire | PICU | 6 | 1 | General |

1 Capacity for 3 beds, 1.5 funded.
2 HDU is a separate unit.
3 The actual figure depends on the number of ECMO patients and HDU patients.
4 With capacity to ventilate two patients on the Adult ICU.
5 A new unit opens in April 2008, which will ultimately house 8 PICU beds and 8 HDU beds (the latter to be phased in gradually).
6 Nurses / beds used flexibly across the sites.
7 Total bed numbers split between two hospital sites.
8 From March 2008, this unit will have 8 PICU beds (possibly increasing to 10 by the end of the year).
9 This change in bed complement (ie from 6 to 7 beds) was effective as of 1st November 2007. ITU/HDU beds used flexibly (e.g. ITU 7 + HDU 6; 9 ITU + 4 HDU; 11 ITU + 2 HDU).
10 Beds used flexibly between areas.
11 HDU will increase to 4 beds in February 2008 in a separate unit.
12 The 10th bed opened Jan/Feb 2008 and a further bed will be opening in summer 2008.
13 Flexed by a further 2 beds to support winter pressures.
14 The unit is anaesthetist-led and only admits patients under 15 years. A total of 7 ITU/HDU beds are used flexibly depending on demand.
15 This change in bed complement (ie from 13 to 14 beds) was effective as of 1st April 2007.

## APPENDIX B CLINICAL ADVISORY GROUP MEMBERSHIP

| Name | Position | NHS Trust / Hospital | Period served |
|---|---|---|---|
| Dr Paul Baines | Consultant in Paediatric Intensive Care | Royal Liverpool Children's NHS Trust<br>Alder Hey Hospital | 2002 - present |
| Ms Corenna Bowers | Sister | Cardiff & Vale NHS Trust<br>University Hospital of Wales | 2002 - 2004 |
| Dr Anthony Chisakuta | Lead Clinician | The Royal Group of Hospitals & Dental Hospital HSS Trust<br>Royal Belfast Hospital for Sick Children | 2008 - present |
| Dr Peter Davis | Consultant in Paediatric Intensive Care | United Bristol Healthcare NHS Trust<br>Bristol Royal Hospital for Children | 2006 - present |
| Dr Andrew Durward | Consultant in Paediatric Intensive Care | Guy's & St Thomas' NHS Foundation Trust<br>Evelina Children'sHospital | 2002 - present |
| Ms Georgina Gymer | Research Nurse | Nottingham University Hospitals NHS Trust<br>Queen's Medical Centre | 2005 - 2006 |
| Dr James Fraser | Consultant in Paediatric Intensive Care | United Bristol Healthcare NHS Trust<br>Bristol Royal Hospital for Children | 2002 – 2006 |
| Dr Hilary Klonin | Consultant in Paediatric Intensive Care | Hull & East Yorkshire Hospitals NHS Trust<br>Hull Royal Infirmary | 2002 - present |
| Ms Christine Mackerness | Sister | Newcastle Upon Tyne Hospitals NHS Foundation Trust<br>Newcastle General Hospital | 2002 - present |
| Ms Tina McClelland | Audit Sister | Royal Liverpool Children's NHS Trust<br>Alder Hey Hospital | 2006 - present |
| Dr Jillian McFadzean | Consultant in Paediatric Intensive Care | NHS Lothian – University Hospitals Division<br>Edinburgh Royal Hospital for Sick Children | 2005 - present |
| Ms Victoria McLaughlin | Audit Nurse | Central Manchester & Manchester Children's University Hospitals NHS Trust<br>Royal Manchester Children's Hospital | 2002 - 2007 |
| Dr Roddy O'Donnell | Consultant in Paediatric Intensive Care | Cambridge University Hospitals NHS Foundation Trust<br>Addenbrooke's Hospital | 2002 - present |
| Ms Geralyn Oldham | Information Support Manager | Great Ormond Street Hospital for Children NHS Trust<br>Great Ormond Street Hospital for Sick Children | 2002 - present |
| Dr Gale Pearson (Chair) | Consultant in Paediatric Intensive Care | Birmingham Children's Hospital NHS Trust<br>Birmingham Children's Hospital | 2002 - present |
| Dr Damian Pryor | Consultant in Paediatric Intensive Care | Cardiff & Vale NHS Trust<br>University Hospital of Wales | 2002 - 2004 |
| Ms Chloe Rishton | CHiP Nurse | Central Manchester & Manchester Children's University Hospitals NHS Trust<br>Royal Manchester Children's Hospital | 2008 - present |
| Dr Allan Wardhaugh | Consultant in Paediatric Intensive Care | Cardiff & Vale NHS Trust<br>University Hospital of Wales | 2004 - present |
| Ms Debbie White | Sister | Cambridge University Hospitals NHS Foundation Trust<br>Addenbrooke's Hospital | 2002 - present |

## APPENDIX C STEERING GROUP MEMBERSHIP

| Name | Position | Organisation | Representation | Period Served |
|---|---|---|---|---|
| Mrs Pamela Barnes | Chair of Action for Sick Children | Action for Sick Children | Lay Member | 2002 - present |
| Professor Nick Black (Chair) | Head of Health Services Research Unit | London School of Hygiene and Tropical Medicine | Health Services Research / Public Health | 2002 - 2007 |
| Mr William Booth | Clinical Nurse Manager | United Bristol Healthcare NHS Trust<br>Bristol Royal Hospital for Children PICU | Royal College of Nursing | 2002 - present |
| Ms Bev Botting | Child Health and Pregnancy Statistics | Office for National Statistics | Office for National Statistics (data protection) | 2002 - 2003 |
| Dr Jean Chapple | Consultant in Perinatal Epidemiology / Public Health | Westminster Primary Care Trust | PICNET founder | 2002 - 2006 |
| Dr Bill Chaudhry | Consultant Paediatrician | Newcastle Upon Tyne Hospitals NHS Trust<br>Newcastle General Hospital PICU | Clinical IT | 2002 - 2003 |
| Dr Mark Darowski | Consultant Paediatric Anaesthetist | Leeds Teaching Hospitals NHS Trust<br>Leeds General Infirmary PICU | Royal College of Anaesthetists | 2002 - present |
| Mr Noel Durkin | Department of Health | Child Health Services Directorate | Department of Health | 2002 - present |
| Dr Ian Jenkins | Consultant in Paediatric Intensive Care | United Bristol Healthcare NHS Trust<br>Bristol Royal Hospital for Children PICU | Paediatric Intensive Care Society | 2006 - present |
| Dr Steve Kerr | Consultant in Paediatric Intensive Care | Royal Liverpool Children's NHS Trust<br>Alder Hey Hospital PICU | Chair of PICS | 2003 - present |
| Ms Helen Laing | Clinical Audit | Healthcare Commission | Healthcare Commission | 2004 - 2006 |
| Mr Ian Langfield | Audit Co-ordinator | National Assembly of Wales | National Assembly of Wales | 2002 - 2003 |
| Dr Michael Marsh | Consultant in Paediatric Intensive Care | Southampton University Hospitals NHS Trust<br>Southampton General Hospital PICU | Royal College of Paediatrics and Child Health | 2002 - present |
| Dr Jillian McFadzean / Ms Laura Reekie | Consultant in Anaesthesia & Intensive Care / PA | NHS Lothian – University Hospitals Division<br>Edinburgh Royal Hospital for Sick Children | Edinburgh Royal Hospital for Sick Children | 2005 - present |
| Dr Roddy McFaul | Medical Advisor | Child Health Services Directorate | Department of Health | 2002 - 2003 |
| Dr Kevin Morris | Consultant in Paediatric Intensive Care | Birmingham Children's Hospital NHS Trust<br>Birmingham Children's Hospital PICU | Clinical Lead for the West Midlands Medicines for Children Local Research Network | 2006 - present |
| Professor Jon Nicholl | Director of Medical Care Research Unit | School of Health and Related Research<br>University of Sheffield | Health Services Research / Statistics | 2002 - 2006 |
| Dr Gale Pearson | Consultant in Paediatric Intensive Care | Birmingham Children's Hospital NHS Trust<br>Birmingham Children's Hospital PICU | Chair of PICANet CAG | 2002 - present |

| Name | Position | Organisation | Representation | Period Served |
|---|---|---|---|---|
| Ms Tanya Ralph | Nursing Research Lead | Sheffield Children's NHS Foundation Trust<br>Sheffield Children's Hospital PICU | PICS | 2002 - 2006 |
| Dr Kathy Rowan<br>(on sabbatical 2004 -,<br>represented by Lucy Scott) | Director | ICNARC | Intensive Care National Audit &<br>Research Centre | 2002 - present |
| Mr Stuart Rowe | PCT Commissioner | Commissioning Department<br>Hammersmith & Fulham PCT | PCT Commissioner (Pan-Thames) | 2003 - present |
| Ms Dominique Sammut | Audit Co-ordinator | Health Commission Wales | Health Commission Wales | 2003 - present |
| Dr Jennifer Smith | Medical Advisor | Office Project Team | Commission for Health Improvement | 2002 - 2004 |
| Dr Charles Stack | Consultant in Paediatric<br>Intensive Care | Sheffield Children's NHS Foundation Trust<br>Sheffield Children's Hospital PICU | PICS | 2002 - 2006 |
| Professor Stuart Tanner | Medical Advisor in Paediatrics<br>and Child Health | Child Health Services Directorate<br>Department of Health | Department of Health | 2003 - 2006 |
| Dr Robert Tasker | Lecturer in Paediatrics | Department of Paediatrics<br>University of Cambridge Clinical School | PICS SG | 2004 - present |
| Dr Edward Wozniak | Medical Advisor in Paediatrics<br>and Child Health | Child Health Services Directorate<br>Department of Health | Department of Health | 2006 - present |

## APPENDIX D DATA/INFORMATION REQUESTS RECEIVED TO DATE

| Request date | Name | Position & Place of work | Information requested | Status |
|---|---|---|---|---|
| 06/07/2004 | Tom Blyth | Clinical Research Fellow<br>Department of Paediatric Allergy, St Mary's Hospital, London | **ASTHMA STUDY**<br><br>For each month of the study (starting September 2003) the number of children admitted with asthma for each hospital participating in the study, their ages, whether they were ventilated (and if so for how long) and the length of PICU admission. The hospitals involved are –<br>Bristol, Southampton, Guys, Georges, GOS, Brompton, St Mary's, Leicester, Cambridge, Manchester, Alder Hey, Cardiff, Sheffield, Nottingham*, North Staffs*.<br><br>(* - final approval to recruit not yet obtained).<br>I would also be interested in knowing a list of all PICUs on PICANet so I can see if I could approach any other units. | Completed |
| 24/09/2004 | Mark Darowski | Clinical Director,<br>Leeds Teaching Hospitals Trust | **LEEDS SMRs**<br>1. SMR for each of the 3 elements of our service (as up-to-date as possible).<br><br>2. If the data suggest that SJUH PICU has a high SMR, please can I have an SMR (with CI) for oncology patients admitted to SJUH as compared to a national aggregate score for oncology patients. | Completed |
| 04/10/2004 | Charles Stack | Director ICU,<br>Sheffield Children's Hospital | **PREVALENCE RATES OF ADMISSION**<br>Prevalence rate of admissions per 1000 children per year in PICANet recording area for the last full year. | Completed |
| 06/10/2004 | Simon Nadel | Consultant in Paediatric Intensive Care,<br>St Mary's Hospital London | **RSV STUDY**<br><br>Number of children admitted to UK PICUs with a diagnosis of acute viral bronchiolitis, and/or (if possible) a diagnosis of RSV infection. | Completed |
| 18/11/2004 | Andrew Magnay | Consultant in Paediatric Intensive Care,<br>University of North Staffordshire NHS Trust | **NORTH STAFFS ADMISSIONS**<br><br>Quarterly or 4 monthly report by fiscal year time frames of the following population data, specifically, patients admitted to PICU, University Hospital of North Staffordshire:<br><br>1. Number of Admissions by PCT during report time window.<br>2.a. Number of episodes which completed (=discharge or death) during the report time window by PCT, and<br>b. Number of days of PICU care associated with these discharges/ deaths by PCT;<br>3. Number of admissions by Health authority;<br>4. a. Number of episodes which completed (=discharge or death) during the report time window by Health Authority and<br>b. Number of days of PICU care associated with these discharges / deaths by Health Authority | Completed |
| 30/11/2004 | Ulf Theilen | Locum Consultant, Royal Hospital for Sick Children, Edinburgh | **PERTUSSIS**<br>Number of admissions to PICUs in 2003 and 2004 with diagnosis pertussis<br>Number of deaths of these children<br>Of these children, age at time of death<br>Use of inotropes (yes/no)<br>Level of max. mean airway pressure (if available) | Completed |
| 07/12/2004 | Mark Campbell | SHO, Anaesthetics,<br>Derriford Hospital, Plymouth | **TEENAGERS IN PICU**<br>Epidemiology of critical care in teenagers:-<br><br>A) % and numbers of admissions of 13 to 19 year olds (inclusive)<br>B) diagnostic case-mix by broad category<br>C) male:female ratio<br>D) length of stay and invasive or non-invasive ventilation (mean, median and IQR please)<br>E) outcome<br>F) Could we have the same figures for those admitted from another hospital or from an intensive care unit | Rejected |
| 23/12/2004 | Roz Jones | Specialised Services Commissioning Manager,<br>Specialised Services | **NORTH WEST RSV**<br>Number and length of stay in days of children with bronchiolitis, RSV-positive bronchiolitis and RSV-negative infection in children admitted to Royal Liverpool Children's Hospital and Royal Manchester Children's Hospital for the period of March 2003 and February 2004 | Completed |
| 10/01/2005 | Peter Davis | Consultant Paediatric Intensivist,<br>Bristol Royal Hospital for Children | **BURNS STUDY**<br>All children admitted to PICUs in UK with burns.<br><br>Breakdown of numbers per unit, with identification of units if possible<br><br>First portion of postcode to identify geographical location of home address of all PICU burn admissions | Completed (without unit identification) |

| Request date | Name | Position & Place of work | Information requested | Status |
|---|---|---|---|---|
| 27/01/2005 | Andrew Gill | Senior Casemix Consultant NHS Information Authority | **NHSIA STUDY**<br><br>Full PICANet dataset | PICANet has written a software utility to enable PICUs to provide data from local PICANet databases for the HRG study. PICANet continues to provide support to the PCC Expert Working Group in the development of HRGs for paediatric intensive care. |
| 19/04/2005 | Sophie Lusby | Project Manager - Children's Services<br>Barts and the London NHS Trust | **NORTH EAST LONDON REQUEST**<br><br>For North East London residents ONLY, for 2003/4 and 2004/5 as far as possible and all queries split by period:<br>How many children treated in PIC?<br>Numbers/percentages by sex<br>Numbers/percentages by age, splitting the ages into under 28 days, under 1 year, under 2 years, and above<br>What were the diagnoses of these children on admission? (numbers/percentages of different diagnoses)<br>And of these please specify single/multi system failure (numbers/percentages of either)<br>Length of stay, in hours<br>Length of intubation, in hours (if not intubated please specify also)<br>Name of treating PIC (numbers and percentages)<br><br>LESS IMPORTANTLY BUT STILL REQUISITE:<br>Numbers by age, as above, but also 2-5 yrs, 5-10, 10 and above<br>Retrieval/Transfer – type<br>Other reasons for admission<br>Co-morbidities<br>Discharge destination<br>Diagnosis on discharge<br>Any information on readmission | Completed |
| 29/05/2005 | Simon Nadel | Consultant in Paediatric Intensive Care, St Mary's Hospital, London | **SEPSIS STUDY**<br><br>#The numbers of children admitted to PICUs with a primary or secondary diagnosis of sepsis.<br>Is this community or nosocomially acquired?<br>What is the proportion of underlying co-morbidity?<br>What is the age spread?<br>Do you have information about aetiology (ie infecting organisms)?<br>How many children with “other” diagnoses (ie respiratory / neurological) have a primary infectious cause of PICU admission?<br>What is the outcome? | Pending |
| 13/06/2005 | Stuart Rowe | Lead Commissioner - Pan Thames, Hammersmith and Fulham PCT | **PAN THAMES COMMISSIONERS’ REQUEST**<br>All data will relate to residents with a postcode in the Pan Thames region and will cover the periods 2003/4 (April – March) and 2004/5 (April – March).<br><br>DATA BY YEAR AND BY SHA<br>PICU admissions by month<br>PICU admissions by gender<br>PICU admissions by age:<br>Age groups: ≤28 days, 29 days to <1 year, 1 to <2 years, 2 to <5 years, 5 to <10 years, 10 years plus.<br>PICU admissions by diagnosis on admission.<br>Diagnostic groups: Accidents & poisoning, Blood/lymphatic, Cardiovascular, Congenital, Endocrine/metabolic, Gastrointestinal, Infection, Musculoskeletal, Neurological, Oncology, Perinatal, Respiratory, Trauma, Urological, Other.<br>PICU admissions by intervention received:<br>Invasive ventilation, Non-invasive ventilation, ECMO, IV vasoactive drug therapy, LVAD, ICP device, Renal support.<br>PICU admissions by length of stay<br>In hours: <1, 1 to <4, 4 to <12, 12 to <24, 24 plus.<br>In days: <1, 1 to <3, 3 to <7, 7 to <14, 14 to <28, 28 plus.<br>PICU admissions by days of invasive ventilation | Completed |

| Request date | Name | Position & Place of work | Information requested | Status |
|---|---|---|---|---|
| | | | In days: <1, 1 to 2, 3 to 5, 6 to 10, 11 plus.<br>PICU admissions by unit discharge status<br>Status: Alive or dead.<br>PICU admissions by unit discharge destination<br>Destination groups: Home, Same hospital, Other hospital.<br>Number of retrievals by team type<br>Team type: Own team, Other specialist team (PICU), Other specialist team (non-PICU), Non-specialist team.<br><br>The above can all be done by month for an aggregated Pan Thames dataset.<br><br>UNIT LEVEL DATA BY YEAR AND BY PCT<br>PICU admissions by treating unit (*anonymised until agreement received).<br>*Responsibility of Pan Thames to gain agreement from lead clinician.<br><br>The above can all be done by month for an aggregated Pan Thames dataset. | |
| 13/06/2005 | Stuart Rowe | Lead Commissioner - Pan Thames,<br><br>Hammersmith and Fulham PCT | **SUPPLEMENTARY REQUEST:**<br><br>All data will relate to residents with a postcode in the Pan Thames region and will cover the periods 2003/4 (April – March) and 2004/5 (April – March).<br><br>DATA BY YEAR AND BY SHA<br>Number of retrievals by primary diagnostic group<br>Diagnostic groups: Accidents & poisoning, Blood/lymphatic, Cardiovascular, Congenital, Endocrine/metabolic, Gastrointestinal, Infection, Musculoskeletal, Neurological, Oncology, Perinatal, Respiratory, Trauma, Urological, Other<br>? More details for neurological<br><br>LTV patients<br>? Define LTV<br>? Data<br><br>?Ethnicity / Mortality / Illness severity | Completed |
| 21/06/2005 | Noel Durkin | Child Health Services Directorate, Department of Health | **CASELOAD PRESSURES**<br>Department of Health provided their draft **'National Paediatric Intensive Care Capacity Stocktake**' proforma and requested PICANet completed the data fields where possible. (Data was requested for 2001 - 2005).<br>1. Current bed numbers by unit (separated by High Dependency and Intensive Care).<br>2. Number of these beds which are currently fully staffed and at what WTE per bed.<br>3. Information on current workload by unit (including number of patients admitted and their average length of stay.<br>4. Any information on refusals.<br>5. Number of retrievals by unit.<br>6. Average bed occupancy by unit and further separated by High Dependency and Intensive Care. | Completed |
| 29/07/2005 | Duncan Macrae | PICU Director, Royal Brompton Hospital | **GLYCAEMIA CONTROL INTERVENTION TRIAL**<br>Numbers of admissions of children invasively ventilated<br>Numbers given inotropes<br>Whether they received cardiac surgery or not<br>Length of stay<br>Mortality at discharge. | Completed |
| 03/08/2005 | Kevin Morris | Consultant in PICU, Birmingham Children's Hospital | **WEST MIDLANDS BURNS**<br>Numbers, severity (%), length of stay, mortality (and time to death). | Completed |
| 16/08/2005 | Kevin Morris | Consultant in PICU, Birmingham Children's Hospital | **NEURO MONITORING**<br>Information about children admitted to PICU with a diagnosis of meningitis or encephalitis and the use of neuro-monitoring in these patients eg ICP monitoring | Completed |
| 22/08/2005 | Iain MacIntosh | Consultant in PICU, Southampton General Hospital | **SOUTHAMPTON RESPIRATORY**<br>Number of patients admitted with a respiratory diagnosis.<br>This information divided into bronchiolitis / asthma / pneumonia.<br><br>We need to then divide the patients into those over one year old and those under one year old | Completed |
| 06/10/2005 | David Cremonesini | Registrar, John Radcliffe Hospital, Oxford | **OXFORD NIV**<br>All children admitted to the PICU in Oxford who have received non-invasive ventilation:<br><br>Admission number | Completed |

| Request date | Name | Position & Place of work | Information requested | Status |
|---|---|---|---|---|
| | | | Casenote number<br>Name<br>DOB<br>Admission date<br>Discharge status<br>Discharge date<br>Non-invasive ventilation<br>Number of days of non-invasive ventilation<br>Invasive ventilation<br>Number of days of invasive ventilation (if applicable)<br>Tracheostomy<br>Primary diagnosis | |
| 10/10/2005 | Sophie Lusby | Project Manager - Children's Services<br>Barts and the London NHS Trust | **SUPPLEMENTARY REQUEST**<br><br>Supplementary data to that in the report recently provided.<br><br>Split LOS into <24 hrs, 24 to <48 hrs, 48 hrs plus<br>Look at number of days ventilated<br>Look at diagnosis | Completed |
| 20/10/2005 | Zoey Taylor | Audit Clerk, University Hospital of Wales | **CARDIFF MENINGITIS**<br>Number of patients admitted to Cardiff's PICU with a diagnosis of meningococcal disease (by month / age / admission source). | Completed |
| 26/10/2005 | Peter Davis | Consultant Paediatric Intensivist, Bristol Royal Hospital for Children | **BRISTOL CPR**<br>Numbers of both in-hospital and out-of hospital arrests for 2003-4 admitted to PICU, their ages, admission diagnosis and their ultimate outcome (survival / non-survival). Also their pupillary reaction. | Completed |
| 11/11/2005 | Mark Darowski | Clinical Director, Leeds Teaching Hospitals Trust | **LEEDS BED PLANNING STUDY**<br><br>**Data request from SOAPS for PICU data**<br><br>1. Commissioned beds per head of population under age 16 by geographical area. Within this, we need to make an allowance for the cardiac work that comes into Leeds from North Trent.<br>2. Patient flows.<br>a. For each PCT within our area, identify all patients requiring PIC care and the units in which they received it.<br>b. For all patients admitted to Leeds/Hull PICU, identify source PCT.<br>3. Beds days. Total beds occupied per annum and on each day, aggregated by PCT and by commissioning area.<br>a. Excluding long term ventilated patients (at various levels), therefore excluding patients who have been ventilated for<br>i. > 3/12<br>ii. > 6/12<br>iii. > 9/12<br>b. Excluding high dependency patients (those who have never been ventilated during their PICU stay)<br><br>Calculate funded beds per 100,000 population.<br>Calculate funded beds per 100,000 population, weighted for socio-economic deprivation.<br>Calculate number of beds required to meet 90% and 95% of demand as calculated in 3 above and then excluding LTV patients (at each level) and HD patients.<br><br>Calculate on how many days predicted bed requirements are not sufficient to meet demand at each level, and how many patients would have failed to be admitted.<br><br>Plot number of children on PICU by day against max number of commissioned beds, nationally and for each commissioning region. Plan services Plan services Plan services | Completed |
| 01/12/2005 | Tim Martland | Consultant Paediatric Neurologist, Royal Manchester Children's Hospital | **STATUS EPILEPTICUS STUDY**<br><br>PICANet data for children admitted with Status epilepticus (please specify:.....)<br><br>Treatment used for status epilepticus (possibly use custom fields section of database). | Rejected |
| 06/12/2005 | Corinne Camilleri-Ferrante | Consultant in Public Health Medicine, TrentCOM | **TRENT BED OCCUPANCY**<br>More information on the bed days in Nottingham (QMC), Sheffield and Leicester, particularly the split in Sheffield between PIC and neonatal surgery beds. | Completed |

| Request date | Name | Position & Place of work | Information requested | Status |
|---|---|---|---|---|
| | | | The data as they currently appear do not seem logical and I understand that might be the problem. | |
| 08/12/2005 | Parviz Habibi | Consultant, St Mary's Hospital | **BRONCHIOLITIS - MORTALITY**<br>Annual death rate from bronchiolitis 2004 | Completed |
| 08/12/2005 | Nadeem Moghal | Consultant Paediatric Intensive Care, Nephrology, RVI Newcastle | **RENAL FAILURE**<br>Epidemiology of acute renal failure in PICU setting, nationally – CVVH, HD, PD etc | Completed |
| 12/01/2006 | Nour Hassan | Clinical Fellow, Newcastle General Hospital | **NGH RVI ONCOLOGY**<br>The following information on oncology admissions to NGH and the RVI:<br>Non-invasive ventilation: Yes/No<br>(if yes, number of days)<br>Invasive ventilation: Yes/No<br>(if yes, number of days)<br>Inotropes: Yes/No | Completed |
| 16/01/2006 | Sian Thomas | Project Manager, Welsh Assemby Government | **WELSH TBI**<br>Admissions to PICU (outside Cardiff) with a Welsh postcode, aged under 16 years with a primary diagnosis of traumatic brain injury.<br><br>Time period: June 2003 – May 2005 | Completed |
| 01/03/2006 | James Fraser | Consultant in Paediatric Intensive Care, Bristol Children's Hospital | **PICU ACTIVITY**<br>The number of admissions and number of bed days by PCT<br>(a) for Bristol admissions and<br>(b) for all PICU admissions | Completed |
| 05/06/2006 | Cornelia Junghans | Epidemiologist & Research Fellow, Prognostic Epidemiology Group, UCL Medical School | **NEL PATIENTS STUDY**<br><br>For all patients in the NEL sector:<br>Not currently in the manual but discussed with Roger Parslow:<br>1. Individual Townsend score<br>2. Ethnicity obtained by name programme<br>3. Age in months<br>4. Survival in months<br>5. Primary diagnosis by diagnostic group<br><br>Data directly from the database:<br>1. ADDATE<br>2. ADTIME<br>3. SEX<br>4. ADTYPE<br>5. GEST<br>6. MULT<br>7. SOURCEAD<br>8. PREVICUAD<br>9. CAREAREAAD<br>10. RETRIEVAL<br>11. RETRIEVALBY<br>12. OTHDIAGNOTES<br>13. OTHDIAG<br>14. OPPROCNOTES<br>15. OPPROC<br>16. COMNOTES<br>17. COMDIAG<br>18. PRECEDCPR<br>19. PRECEHOSPCARDARR<br>20. CARDIOMYOCARDITIS<br>21. CARDIACBYP<br>22. SEVCOMBIMMUNE<br>23. SPONTCEREBHAEM<br>24. HIV<br>25. LIVERFAIL<br>26. LEUKLYMPH1ST<br>27. NEUROGENDIS | Completed |

| Request date | Name | Position & Place of work | Information requested | Status |
|---|---|---|---|---|
| | | | 28. HYPOPLAS<br>29. ELECTIVEAD<br>30. PRIMREASON<br>31. INTUBATION<br>32. HEADBOX<br>33. MECHVENT<br>34. CPAPFIRSTHR<br>35. INVVENT<br>36. INVVENTDAY<br>37. NONINVVENT<br>38. NONINVVENTDAY<br>39. INTTRACHEOSTOMY<br>40. VASOACTIVE<br>41. LVAD<br>42. ICPVD<br>43. ICPBOLT<br>44. RENALSUPPORT<br>45. RENALHAEMFIL<br>46. RENALHAEMDIA<br>47. RENALPLASFILT<br>48. RENALPLASEXCH<br>49. RENALPERIDIA<br>50. UNITDISSTATUS<br>51. DISPALCARE<br>52. UNITDISDATE<br>53. UNITDISTIME<br>54. UNITDISDEST<br>55. UNITDISDESTHOSP<br>56. COMMENTS | |
| 07/06/2006 | James McLean | Matron, Leicester PICU Services | **CICU ADMISSIONS**<br><br>All admissions to LRI CICU, with breakdown of level of dependency | Rejected |
| 08/06/2006 | Samy Subramaniam | Deputy Manager, Department of Health, Wellington House | **COSTINGS**<br><br>Costs / episodes information relating to Paediatric Intensive care. It will be helpful, if you would provide a child's care episodes, relevant costs and other information | Rejected |
| 26/06/2006 | Jonathan Round | Consultant, St George's Hospital PICU, Tooting | **ONCOLOGY STUDY**<br><br>Raw data on all patients admitted to PICU's in the UK with oncology coding. Data required on: age, sex, oncology diagnosis, and where in treatment (may not be in picanet dataset), if had bone marrow transplant, other diagnoses, PIM data at admission, if ever ventilated (invasive or non-invasive) or received inotropes, outcome, LOS and status at 30 days. I also need source of admission, planned/unplanned and post surgery. | Completed |
| 27/06/2006 | Peter Davis | Consultant Paediatric Intensivist, Bristol Royal Hospital for Children | **SOUTHWEST AUDIT OF CRITICALLY ILL CHILDREN**<br>All children admitted from April 2003 – March 2006 with a postcode starting with one of the following (BA, BS, EX, GL, PL, SN, TA, TQ, TR) to a unit other than Bristol Royal Hospital for Children.<br>Information required:<br>PICU (NHS Trust) admitted (code);<br>First 3-4 characters of postcode (e.g. BS16);<br>Date of admission;<br>Age;<br>Elective or non-elective admission;<br>Retrieval type (if appropriate);<br>Primary diagnosis (+ read code);<br>Length of stay;<br>Discharge outcome | Completed |
| 11/07/2006 | Tina McClelland | Audit Nurse, PICU, Alder Hey, Liverpool | **SMR STUDY**<br>The SMR for Alder Hey is high. Would like to investigate possible reasons for this.<br>Require: | Completed |

| Request date | Name | Position & Place of work | Information requested | Status |
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| | | | 1. Total deaths, ventilation rate, mortality rate and PIM predicted SMR by year (2003, 2004, 2005)<br>2. Exclude patients who were dead on admission<br>3. Look at whether the SMRs might be related to missing PIM data: reanalyze SMR (across the years 2003/04/05) in three groups 1) all patients 2) those where one or more of the PIM physiological variables are missing (PaO2 Bxs, systolic BP) 3) those where all the PIM physiological variables are missing (PaO2 Bxs, systolic BP)<br><br>4. Also start to look at whether the SMRs might be related to the case-mix seen at Alder Hey. | |
| 30/07/2006 | David Pedley | Consultant in Emergency Medicine, James Cook University Hospital | **LEVEL OF CARE**<br>I need information on the level of care in each PICU in England and Wales. In particular I need to establish which units are staffed by full time intensivists and the access to neurosurgical advise / expertise.<br>I was hoping to use levels of care defined by Rosenberg et als in the following paper.<br>Rosenberg etal (Guidelines and levels of care for pediatric intensive care units) Crit Care Med 2004 vol.32 no10.<br>If this is not the classification used by your database is there a UK equivalent and could you supply these criteria? | Rejected |
| 01/08/2006 | Heather Titcombe | Specialist Commissioner for Children's Tertiary Services, Jubilee House,South Central SHA,Oxford (host South West SHA) | **SOUTH WEST**<br>I would like the following :<br>1. The total number of bed days and the percentage paediatric specialty split, for the following hospitals, using the DH Clinical Terminology Coding System :<br>- United Bristol Hospital Trust<br>- Bristol Royal Infirmary<br>- Oxford Radcliffe<br>- Southampton General<br><br>2. How many children are refused admission to the hospitals outlined above, what is the reason for the refusal and if possible where did the child then end up? | Completed |
| 17/08/2006 | Noel Durkin | Department of Health | **CARDIAC**<br>Essentially we are looking for the following data<br><br>- activity by cardiac procedure code<br>- broken down by new PCT (if possible) but more importantly by known paediatric cardiac centre<br>- broken down also by age groups<br>(Neonates [1-30 days], infants [31 -365 days], children [1 -16], adult [16+])<br>- in a form which will enable us to look at patient flows to known centres, including for specific conditions<br>- most recent data available 2004 and 2005 (and 2006 if available). | Completed |
| 19/09/2006 | Richard Appleton & Tim Martland | Consultant Paediatric Neurologists | **REFRACTORY CONVULSIVE STATUS EPILEPTICUS**<br><br>PICANet data to 'flag-up' all children admitted with a diagnosis of 'seizure', 'fit', convulsion or 'status epilepticus' to the PICU. This will use the current field on the standard PICANet data collection sheet. From this population, only data on those children who are still convulsing and who require antiepileptic treatment on admission or within 24 hours of admission to PICU will subsequently be collected. All data will be anonymous. It is hoped that these data will be collected by a medical or nursing member of each participating PICU - using a proforma that will have been devised by RA and TM. This will (hopefully) ensure that ethical approval will not be required. | Pending |
| 03/10/2006 | Charles Stack/ Jo Knutton | ICU Director/Audit Nurse, PICU, Sheffield Children's Hospital | **SHEFFIELD OCCUPANCY/IV**<br>Total number of calendar days that patients received invasive ventilation on our unit between 01.01.05 (including those already occupying a bed) and the 31.012.05 (inclusive)<br>AND<br>The total number of calendar days that patients were occupying beds, again from 01.01.05 until 31.12.05 inclusive.<br><br>' i.e. a way of calculating the number of days each patient was admitted to give a grand overall number of days, hence if a patient was discharged and another one admitted in to that bed it would count as 2 separate days. | Completed |
| 05/10/2006 | David Cremonesini | Respiratory Paeds SpR, John Radcliffe Hospital, Oxford | **EMPYEMA**<br><br>Incidence of empyema in children admitted to PICU in UK over the past years since PICANet started | Pending |
| 09/10/2006 | Reinout Mildner | Consultant Paediatric Intensivist, Birmingham Children's Hospital | **BIRMINGHAM DATA**<br><br>For as many years as you have data available:<br>1. Bed days at BCH for children with WM postcode<br>2. Interventions at BCH children with WM postcode<br>3. PIM data at BCH children with a WM postcode<br><br>Then again but for any PICU<br>4. Bed days at any PICU for children with WM postcode | Completed |

 

| Request date | Name | Position & Place of work | Information requested | Status |
|---|---|---|---|---|
| | | | 5. Interventions at any PICU children with WM postcode<br>6. PIM data at any PICU children with a WM postcode | |
| 09/10/2006 | Reinout Mildner | Consultant Paediatric Intensivist, Birmingham Children's Hospital | **WEST MIDLANDS PATIENTS ADMISSIONS OUTSIDE WM**<br><br>For as many years as you have available:<br>Any acute admissions to any UK PICU outside the West Midlands region of patients with a West Midlands postcode.<br>We require number of admissions with date and time of admission. If it is possible to provide primary diagnosis and referring hospital in the West Midlands this would help. | Completed |
| 22/11/2006 | David Inwald | Consultant in PICU, St Mary's Hospital | **ST MARY'S ADMISSIONS**<br><br>Admissions<br>1. Total Admissions (November 05- November 06)<br>2. Totl intubated<br>3. Percentage with an endothracheal tube receiving ventilation<br>4. for up to 6 hours<br>5. more than 6 hours up to 12 hours<br>6. More than 12 hours<br>7. Total retrieved<br>8. Total presenting from A&E<br>9. Total post-surgery by specialiy<br>10. Total numbers according to types of medical conditions 11. Breakdown of patient numbers according to age<br>a. Preterm - please give numbers and specific gestational ages b. Birth to 30 days<br>c. 31 days to one year<br>d. > 1 year to 2 years<br>e. > 1 year to 2 years<br>f. > 2 years to 5 years<br>g. > 5 years to 10 years<br>h. >10 years to 15 years<br>i. > 15 years to 18 years<br>j. > 18 years<br>12. Mean length of PICU admission (nights)<br>13. Median length of PICU admission (nights) Outcome: 14. Mortality (total number)<br>15. Mortality (percentage of total admissions) | Completed |
| 27/11/2006 | Robert Tasker & Mike Sharland | Consultant PICU, Addenbrooke's & Consultant in Paediatric Infectious Disease, St George's | **BACTERAEMIA**<br><br>Admission information<br>PIM data<br>Interventions<br>Discharge information<br>Ethnic category | Pending |
| 30/11/2006 | Melanie Maxwell | Consultant in Public Health Medicine, Wirral NHS Trust | **NORTH WEST DATA**<br><br>All data requested relate to 2003-2005, annual data for each of the two units (Royal Manchester Children's Hospital and Royal Liverpool Children's Hospital ) and the UK average if possible:<br><br>The median age with the interquartile ranges<br>The data are very skewed and there are concerns that changing patterns are being obscured.<br><br>The total bed days by month<br>There are concerns expressed that admission numbers alone do not reflect how busy the units are and we need to explore fluctuations over time in occupancy.<br><br>PIMs score - numbers in score group by age group<br>numbers in score group by admission type<br>numbers in score group by discharge status<br><br>There appears to be a significant difference to this between the two units that we would like to explore further.<br><br>LOS data - mean, median and ranges by age group and admission type | Completed |

 

| Request date | Name | Position & Place of work | Information requested | Status |
|---|---|---|---|---|
| | | | We have the mean for 2005 and in planning terms it is useful to have this information. However, we recognise that the data are very skewed by Long Term Ventilator patients. We also need to explore the impact of the changing casemix of the units.<br>Discharge status by admission type<br>To further explore the changes in crude death rate over time<br><br>Diagnostic group by admission type<br>To further explore the differences in casemix between the two units<br><br>For 2003-2005, annually can you state:<br><br>How many North West residents were admitted to a unit outside the North West?<br>Numbers<br>Total bed days<br>Admissions by Diagnostic groups<br>Admissions by region (or unit)<br><br>How many non North - West residents were admitted to one of the North West Units?<br>Numbers<br>Total bed days<br>Admissions by Diagnostic groups<br>Admissions by region (or unit)<br><br>These data will provide some information about flows of patients in and out of the Region and will help to identify some unmet need.<br><br>We also wish to explore whether children with spinal muscular atrophy using PIC services are increasing. Would it be possible for you to search on this diagnosis to examine national trends (as far back as possible) as well as our two local services? The data would be:<br>Numbers of admissions by year<br>Total bed days by year<br>Discharge status<br>Numbers of readmissions (using 2003 as the base population, how many times have people been readmitted in the next 2 years i.e. a 2*2 table number of readmissions within 2 years (1,2,3 etc) by number of patients. | |
| 16/04/2007 | Michelle Milner | Network Manager / Lead Nurse Paediatric Critical Care Network, Leeds PCT | **OUT OF REGION TRANSFERS**<br><br>Ideally, I require information on all out of region transfers by PCT to Leeds and Sheffield by date, time of transfer, and type of transfer.<br>However, this will not be possible as it has the potential to identify individual patients. Therefore my adjusted request is as follows:-<br><br>Please supply me with information on transfers from within the Yorkshire and the Humber region, grouped into Sheffield patients and Leeds patients.<br><br>Sheffield patients being the following PCT's:- Barnsley, Sheffield West, North Sheffield, Sheffield South West, South East Sheffield, Rotherham, Doncaster West, Doncaster Central, Doncaster East, North Lincolnshire, North East Lincolnshire<br>Leeds patients from the following PCT's:- Hambleton and Richmondshire, Craven Harrogate and Rural District, Scarborough Whitby and Ryedale, Selby and York, Yorkshire Wolds and Coast, East Yorkshire, Western Hull Teaching, Eastern Hull Teaching, Airedale, Bradford South and West, North Bradford, Bradford City Teaching, Calderdale, Leeds North West, Leeds West, Leeds North East, East Leeds, South Leeds, Huddersfield Central, South Huddersfield, North Kirklees, Wakefield West, Eastern Wakefield).<br><br>Please supply this information by date of transfer, time of transfer, care area, retrieval (Y or N) retrieved by (own team other specialist team etc), and admitting PICU.<br><br>Please note:- I already have the information on children transferred from Leeds PICU to Sheffield PICU and Sheffield PICU to Leeds (Supplied by the individual PICU's) therefore please exclude these patients from the information supplied. | Completed |
| 16/04/2007 | Padmanabhan Ramnarayan | Consultant in Paediatric Intensive Care & Retrieval, PICS Informatics Special Interest Group and Study Group Lead | **READ CODES**<br><br>Read-coded terms recorded as part of the PICANet dataset, i.e. diagnoses, procedures, other co-morbid conditions, interventions and complications. Patient-identifiable information is not required.<br>We are seeking data from a 2-year period 2004-2006. | Completed |
| 18/04/2007 | Jonathan Round | Consultant, St George's Hospital PICU, Tooting | **ONCOLOGY**<br><br>January 2003 to December 2006 data on PICU patients with a primary oncology diagnosis.<br><br>All information on these patients except name. DOB needed to match with DOB from oncology datasets at a later stage. | Completed |

 

| Request date | Name | Position & Place of work | Information requested | Status |
|---|---|---|---|---|
| 18/04/2007 | Mark Peters | Clinical Unit Chair, P/NICU, Great Ormond Street Hospital. | **a) RESPIRATORY FAILURE**<br><br>Age / gestation / LOS / outcome / PIM score and diagnostic coding for all cases of respiratory failure<br><br>**b) SUPPLEMENTARY INFORMATION**<br><br>Can you provide gender data on these same cases and can you rerun the query with any diagnostic code that inlcudes 'influenza' | Completed |
| 10/05/2007 | Peter Davis | Consultant Paediatric Intensivist, Bristol Royal Hospital for Children | **SWACIC UPDATE 2007**<br><br>For period April 2003 – March 2006:<br><br>1. A breakdown by PCT for numbers of admissions to Bristol per PCT only including those PCTs from the South West (i.e not all our South Wales admissions etc.)<br><br>2. A breakdown by diagnostic groups of admissions to Bristol for the South West PCTs.<br><br>3. If possible a breakdown by both diagnostic group & PCT of admissions to Bristol from South West PCTs.<br><br>4. PIM breakdown and adjusted SMR for admissions to Bristol from South West PCTs. | Completed |
| 21/05/2007 | David Inwald | Consultant in PICU, St Mary's Hospital | **ST. MARY'S DATA**<br><br>Numbers of children admitted to St Mary's PICU receiving invasive ventilation, non-invasive ventilation, both or neither by primary care organization between 01/04/2006 and 31/03/2007. Also required, total number of occupied bed days in each category and total bed days measured to a fraction of a day. In addition, number of invasive ventilation days and non-invasive ventilation days by PCO (this may differ from OBD as length of stay longer than duration of ventilation | Completed |
| 06/06/2007 | Elizabeth Bream | Specialist Registrar in Public Health, Scottish Executive Health Department, Edinburgh | **BURNS**<br><br>Numbers of children treated in PICU for burn injuries in England.<br>Time period 2004, 2005, 2006 if possible.<br>Numbers by age band if possible.<br>Outcome (i.e. survival) if possible.<br>Length of stay if possible. | Completed |
| 06/06/2007 | Paul Chumas | Consultant paediatric neurosurgeon, Leeds General Infirmary | **NEUROLOGICAL**<br><br>1) Number of children and ventilation status of those admitted to PICU with head injuries (we'll give breakdown of invasive/non-invasive etc)<br>2) Number of children admitted with head injuries who have an ICP bolt<br>3) Number of children admitted to adult ICU with head injuries (we have limited data for 2004/2005 for England)- may not be able to identify it as head injury but just 'neurological'<br>4) Number of children admitted to PICU with CNS tumour and ventilation status<br>5) Number of children admitted to PICU with Hydrocephalous and ventilation status<br><br>Information from all UK & Eire if possible | Completed |
| 11/06/2007 | Paul Baines | Consultant PICU, Royal Liverpool Children's Hospital | **SDD**<br><br>For all children admitted to PICU and ventilated for at least 2 days (could I have it for all children who are ventilated as well):-<br>1) Numbers split by (anonymised) units<br>2) Age/sex overall<br>3) VFDs overall at 30 days (summary stats - mean min etc + grouped)<br>4) LOS overall (summary stats - mean min etc + grouped)<br>5) Duration of ventilation (although linked to VFDs)<br>6) ICU Mortality (died yes/no)<br>7) Inotropes (yes/no in stay)<br>8) Diagnostic group overall | Completed |
| 05/07/2007 | Shane Tibby | Consultant PICU, Evelina Children's Hospital, Guy's & St Thomas' NHS Foundation Trust | **RESPIRATORY ADMISSIONS**<br><br>All respiratory admissions to PICU including the differentiation between RSV and non-RSV bronchiolitis, for the period 2004 – 2006. If possible, this would ideally include data from early 2007 (up until March), to encompass the most recent RSV season. | Completed |

 

| Request date | Name | Position & Place of work | Information requested | Status |
|---|---|---|---|---|
| | | | We would like these data to include the length of PICU stay, length of ventilation and mortality. | |
| 05/07/2007 | Peter Wilson | Director PICU, Southampton University Hospital NHS Trust | **WESSEX CHILDREN TREATED OUTSIDE SOUTHAMPTON**<br><br>All children admitted to PICU other than Southampton for the period Apr 2003- Mar 2007 in financial years.<br><br>Children who come from PCT's from the attached sheet (covering the Wessex region): Intubated during admission, which PICU, what diagnostic group per hospital, length of stay | Completed |
| 26/07/2007 | Gavin Rudge | Data scientist, University of Birmingham | **WEST MIDLANDS ADMISSIONS**<br><br>Counts of all admissions to neo-natal intensive care or paediatric intensive care, of all children resident in the Government Office Region of the West Midlands, under two years old at date of admission for the latest three whole financial year for which data are available. | Completed |
| 02/08/2007 | Padmanabhan Ramnarayan | Consultant in Paediatric Intensive Care & Retrieval, GOSH/CATS | **RETRIEVALS**<br><br>**Demographic details** (age, gender, ethnic origin codes, SHA), distance to nearest PICU, **clinical details** (admitting PICU, date of admission and discharge, admission details, retrieved status, retrieval details, PIM score, bed occupancy, interventions on PICU, discharge outcome, 30 day follow up if available)<br><br>Data will be necessary for the period of January 2004 to December 2006. | Completed |
| 20/08/2007 | Phil Wilson | Retrieval Coordinator, Birmingham Children's Hospital | **WEST MIDLANDS**<br><br>No. of patients from the following PCTs admitted to BCH, UHNS, UHL & 'out of region' PICUs. Names of OOR PICUs not needed.<br><br>Pan Birmingham<br>Black Country<br>Coventry and Warwickshire<br>Herefordshire<br>Worcestershire<br>Shropshire<br>Telford & Wrekin<br>Stoke-On-Trent<br>North Staffordshire<br>South Staffordshire | Completed |
| 29/08/2007 | Dawn Coleby | Research Associate, University of Leicester | **VENTILATOR ASSOCIATED PNEUMONIA**<br><br>To identify (numbers of) children that have been admitted to each of the 12 participating PICUs since 1 st March 2007, who are aged less than 12 months at admission, and have been mechanically (and invasively) ventilated at some point on the PICU. NHS numbers, DOB, gender and admission date of the patients would be helpful. | Completed |
| 19/09/2007 | Esse Menson | Consultant PID, Evelina Children's Hospital, London | **VARICELLA**<br><br>Numbers of all cases of varicella-associated admissions or referrals to PICUs in UK, this year & past 5 years – or as far back as data goes.<br><br>Data by child's place of residence (PCT or SHA) would be great. | Completed |
| 04/10/2007 | Dawn Coleby | Research Associate, University of Leicester | **UK PICU STAFFING STUDY**<br><br>For each of the 12 participating units, the total number of unplanned admissions and the total number of accepted transfers/retrievals (for financial year 2005). | Completed |
| 08/10/2007 | Kate Brown | Consultant Intensivist, Great Ormond Street Hospital | **24 HOUR STUDY**<br><br>A list of children who died within 24 hours of admission to a UK PICU.<br>No patient or unit identifier is required.<br>The list to contain: the PIM score, the primary diagnosis, date and time of admission, date and time of death.<br>The data is requested over the longest possible / feasible time period. | Completed |
| 02/11/2007 | Tamsin Ford | Senior clinical lecturer in child and adolescent psychiatry, Peninsula Medical School, Exeter | **SELF HARM**<br><br>I would like to know how many children were admitted to PICU in 2004-2006 with deliberate self harm by any method. If possible I would like to know about kids whose primary diagnosis may relate to the injury sustained (ie head injury or poisoning) but where deliberate self harm was suspected. | Completed |

 

| Request date | Name | Position & Place of work | Information requested | Status |
|---|---|---|---|---|
| 05/11/2007 | Lucy Robin | SpR Paediatrics, St James University Hospital, Leeds | **BRADFORD**<br><br>All admissions of patients age 0 – 16 years from the Bradford District to any PICU from November 2002 – 2006. For each admission I need the following information: age, ethnicity, gender, deprivation score (townsend score) and reason for admission. I also need survival figures. Ethnicity figures to be defined by NamPeChan and by Sangra as comparison.<br>As comparison, I will need available national data for PICU admissions, to include age, ethnicity, gender, reason for admission, and survival. | Completed |
| 15/11/2007 | Dominique Sammut | Assistant Commissioner, Health Commission Wales | **SCOLIOSIS REPAIR**<br><br>Number of admissions to each PIC following scoliosis repair.<br>2004, 2005, 2006 breakdown.<br>Then for these figures to be broken down further to Welsh and non-Welsh patients. | Pending |
| 30/11/2007 | Tony Dinning | Manager, Trent Paediatric Critical Care Network, Nottingham City PCT, Nottingham, | **OUT OF NETWORK TRANSFERS**<br><br>April 2006 to September 2007<br>A breakdown per Network PCT of admissions to PICU outside of Network. To include primary diagnosis to exclude appropriate clinical transfer for<br>Lincolnshire Teaching PCT<br>Nottingham City PCT<br>Nottinghamshire County Teaching PCT<br>Derbyshire County PCT<br>Derbyshire City PCT | Completed |
| 04/12/2007 | Ranjit Khular | Commissioning Manager, West Midlands Specialised Commissioning Team | **ACTIVITY**<br><br>Activity information on all PIC services nationally accessed by residents of the 17 West Midlands PCTs, on a monthly basis | Completed |
| 10/01/2008 | Saul Faust | Senior Lecturer in Paediatric Infectious Diseases, Southampton University | **MENINGOCOCCAL**<br><br>Current data available that we could quote as a “personal communication” that indicate the approximate current meningococcal disease mortality across the combined UK PICU network.<br><br>RP has suggested “the numbers of admissions and deaths by year, ageband and sex for 2004-2006 inclusive (3 whole years), excluding Scotland” – which sounds ideal. | Completed |
| 14/01/2008 | Peter Phillips | Solution Architect – Cerner Millennium | **DATASETS**<br><br>I am working on the national programme for IT London and South ern cluster projects. We are looking at reporting requiremnts for our clinical teams (critical care) and need to design our system to allow trusts to provide PICANet submissions where appt. Please could you forward the current datasets required by trusts to complete, showing the eresponse code values required by PICAnet. | Completed |
| 25/01/2008 | Stuart Rowe | Lead Commissioner - Pan Thames, Hammersmith and Fulham PCT | **PAN THAMES**<br><br>Admissions, bed days and retrievals for:<br><br>I) Non-Pan Thames residents to Pan Thames units<br>II) Pan Thames residents to Pan Thames units | Completed |
| 05/02/2008 | Quen Mok | Consultant Intensivist, Great Ormond Street Hospital | **HEAD INJURIES**<br><br>Numbers of patients admitted with moderate and/or severe traumatic brain injury/head injury per year to each PICANET unit in the last 5 years. | Completed |
| 13/02/2008 | Alison Oliver | Regional Education Nurse | **ACCIDENTAL EXTUBATIONS**<br><br>I am currently auditing our rate of accidental extubations. Two study periods are complete and I would like to benchmark with other units throughout the UK | Pending |
| 26/02/2008 | Claire Westrop | Specialist Registrar – Birmingham Childrens Hospital | **REVIEW OF NEONATES UNDERGOING RENAL REPLACEMENT**<br><br>Retrospective case note review of neonates undergoing continuous renal replacement therapy. Look at indications, practical aspects, complications and Survival data. Potentially largest single centre collection of neonates undergoing CVVH worldwide | Pending |
| 22/03/2008 | Barney Scholefield | Specialist Registrar | **HYPOTHERMIA THERAPY**<br><br>To investigate the feasibility of a trial into the use of hypothermia therapy following Paediatric cardiac arrest. The aims of this study would include investigating potential patient enrolment from UK PICU’s, exploring practical consideration into cooling and ethical and professional constraints to the study | Completed |

 

| Request date | Name | Position & Place of work | Information requested | Status |
|---|---|---|---|---|
| 03/04/2008 | Shazia Adalat | SpR Paediatric Nephrology | **TSS**<br><br>To define the incidence of TSS due to staphylococcal or streptococcal organisms in children in the UK and identify any geographic variation | Pending |
| 04/04/2008 | Ruth Gilbert | Professor of Clinical Epidemiology | **PICU ADMISSIONS ACROSS 9 LARGEST PICU'S**<br><br>Numbers of PICU admissions in 2006 for 9 of the largest PICUs, according to duration of stay, operative status, source of patient and diagnostic group. We will use the information to help design a randomized controlled trial of impregnated central venous catheters to prevent bacteraemia in children admitted to PICU. We need to have a break-down of patient groups according to duration of stay in order to estimate the sample size available. We will use estimates of baseline risk of bacteraemia in relation to duration of stay to estimate sample size according to patient group | Completed |
| 08/04/2008 | David Inwald | Consultant | **SEPSIS**<br><br>Audit of current UK management of community acquired paediatric sepsis | Completed |
| 30/04/2008 | Ann Tonks | Project Manager – West Midlands Perinatal Institute | **INFANT DEATHS**<br><br>To estimate ascertainment of infant deaths to West Midlands occurring outside the West Midlands. | Completed |
| 27/04/2008 | Cormac Breatnach | Clinical Fellow – Childrens acute transport service | **MULTIPLE ACUTE TRANSFERS**<br><br>To assess the characteristics and outcome of patients requiring multiple acute transfers | Pending |
| 19/05/2008 | Shane Tibby | Consultant | **RESPIRATORY ADMISSIONS**<br><br>All respiratory admissions to PICU including the differentiation between RSV and non-RSV bronchiolitis, for the period 2004 – 2008. If possible, this would ideally include data from early 2008 (up until March), to encompass the most recent RSV season. We would like these data to include the length of PICU stay, length of ventilation and mortality. This study is in collaboration with Dr Mike Sharland (St George's Hospital). | Completed |
| 29/04/2008 | Elizabeth Draper | Research Professor | **UK STAFFING STUDY**<br><br>We request the following care process and patient outcome data for 12 participating units, as defined in the study protocol.<br><br>For all patients admitted to the 12 participating units, during the time period 1st March 2007 – 29th February 2008 we require the following data items:<br><br>Sex<br>PICANet Site identifier<br>PICANet Patient Identifier – to match re-admissions.<br>Mortality: Status at PICU discharge. Status 30 days after discharge.<br>Destination: Destination at discharge. Destination at discharge to a unit within the same hospital.<br>Length of stay: Date and time of admission. Date and time of discharge, or date and time of death.<br>Admissions: Admission type, Unplanned admission. Previous ICU admission. Calculated admission number within time period (1st March 2007 – 29th February 2008)<br>Ventilation: Type Invasive and/or mechanical. Start date and end date of ventilation.<br>PIM and PIM2 variables (including PIM-associated diagnosis or reason for admission) and PIM2 score.<br>UK PICOS-derived PIM index .<br>PICANet-coded categorized diagnosis/physiological conditions for admission (up to 3 maximum)<br>Diagnostic/Medical conditions.<br>Physiological status at admission.<br>Text fields and "read" field coding for first 3 listed conditions | Completed |
| 31/05/2008 | Janet McClean | Junior Sister | **LONG TERM VENTILATED CHILDREN**<br>All admissions to LRI CICU with breakdown of level of dependency | Pending |
| 09/06/2008 | Paul Baxter | Lecturer in Statistics | **MORTALITY STUDY**<br><br>All admission to all PICUs that participated for the full 3 year period between January 2003 – December 2005. For each admission we required information on diagnoses and outcome.<br><br>Data to calculate Paediatric Index of Mortality (PIM) for each admission is also required so that mortality adjustment can be made. | Completed |
| 26/06/2008 | Ravi Agarwal | Consultant Neonatal Paediatrician | **RESPIRATORY MORBIDITY IN INFANTS WITH CHRONIC LUNG DISEASE**<br>Incidence (and total number) of PICU admission with RSV bronchiolitis in a 12 months period (most recent data please) | Pending |

 

# The Paediatric Intensive Care Audit Network Data Collection Form

**Admission number**

**NHS number**

**Case note number**

**Address** *(or affix patient sticker here if required)*

**Postcode**

**Ethnic category and code** *(see back of form)*

**Family name**

**Second family name**

**First name**

**Date of birth** *(dd/mm/yyyy)*

**If DOB is estimated** *(or missing or partly anonymised)*
- ☐ Estimated
- ☐ Anonymised
- ☐ Not known

**Gestational age at delivery** *(If age < 2 years)* weeks

**Sex**
- ☐ Male
- ☐ Female
- ☐ Ambiguous
- ☐ Not known

**Birth order** of **Multiplicity**

**GP Practice Code**

**Date of admission to your unit** *(dd/mm/yyyy)* / / 20

**Time of admission to your unit** *(hh:mm)* :

**Type of admission to your unit**
- ☐ Planned – following surgery
- ☐ Unplanned – following surgery
- ☐ Planned – other
- ☐ Unplanned

**Previous ICU admission** *(during current hospital stay)*
- ☐ ICU
- ☐ PICU
- ☐ NICU
- ☐ None
- ☐ Not known

**Source of admission**
- ☐ Same hospital
- ☐ Other hospital
- ☐ Clinic
- ☐ Home

**Retrieval / transfer**
- ☐ Yes
- ☐ No

**Retrieved / transferred by**
- ☐ Own team
- ☐ Other specialist team (PICU)
- ☐ Other specialist team (non-PICU)
- ☐ Non-specialist team
- ☐ Not known

**Care area admitted from** *(includes transfers in)*
- ☐ X-ray, endoscopy, CT scanner or similar
- ☐ Recovery only
- ☐ HDU (step up / step down unit)
- ☐ Other intermediate care area (not ICU / PICU / NICU)
- ☐ ICU / PICU / NICU
- ☐ Ward
- ☐ Theatre and recovery
- ☐ A & E

## Diagnoses and procedures

**Primary diagnosis for this admission:**

**Other reasons for this admission:**

**Operations or procedures performed during this admission:**

**Co-morbidity:**

PICANet data collection form Version 7.01 August 2007

 

## Daily Interventions

*Please record all interventions given on each day of admission using a cross ☒.*
*If no interventions given, choose 'No defined critical care activity'.*

Admission date: .....

| | | | Day 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Basic** | No defined critical care activity | Code 99 | | | | | | | | | | | | | | |
| | Continuous ECG monitoring | 50 | | | | | | | | | | | | | | |
| | Continuous pulse oximetry | 73 | | | | | | | | | | | | | | |
| **Airway and ventilatory** | Invasive ventilation via endotracheal tube | 51 | | | | | | | | | | | | | | |
| | Invasive ventilation via tracheostomy tube | 52 | | | | | | | | | | | | | | |
| | Non-invasive ventilatory support | 53 | | | | | | | | | | | | | | |
| | Advanced ventilatory support (jet ventilation) | 56 | | | | | | | | | | | | | | |
| | Advanced ventilatory support (oscillatory ventilation) | 56 | | | | | | | | | | | | | | |
| | Nasopharyngeal airway | 55 | | | | | | | | | | | | | | |
| | Tracheostomy cared for by nursing staff | 13 | | | | | | | | | | | | | | |
| | Supplemental oxygen therapy (irrespective of ventilatory state) | 09 | | | | | | | | | | | | | | |
| | Upper airway obstruction requiring nebulised adrenaline (epinephrine) | 57 | | | | | | | | | | | | | | |
| | Apnoea requiring intervention (>3 in 24 hours or need for bag-mask ventilation) | 58 | | | | | | | | | | | | | | |
| | Acute severe asthma requiring IV bronchodilator therapy or continuous nebuliser | 59 | | | | | | | | | | | | | | |
| **Cardio-vascular** | Arterial line monitoring | 60 | | | | | | | | | | | | | | |
| | External pacing | 61 | | | | | | | | | | | | | | |
| | Central venous pressure monitoring | 62 | | | | | | | | | | | | | | |
| | Continuous infusion of inotrope, vasodilator or prostaglandin | 06 | | | | | | | | | | | | | | |
| | Bolus IV fluids (>80 ml/kg/day) in addition to maintenance IV fluids | 63 | | | | | | | | | | | | | | |
| | Cardio-pulmonary resuscitation | 64 | | | | | | | | | | | | | | |
| | Extracorporeal membrane oxygenation (ECMO) | 65 | | | | | | | | | | | | | | |
| | Ventricular assist device (VAD) | 65 | | | | | | | | | | | | | | |
| | Aortic balloon pump | 65 | | | | | | | | | | | | | | |
| **Renal** | Peritoneal dialysis | 05 | | | | | | | | | | | | | | |
| | Haemofiltration | 16 | | | | | | | | | | | | | | |
| | Haemodialysis | 66 | | | | | | | | | | | | | | |
| | Plasma filtration | 67 | | | | | | | | | | | | | | |
| | Plasma exchange | 67 | | | | | | | | | | | | | | |
| **Neuro-logical** | ICP-intracranial pressure monitoring | 68 | | | | | | | | | | | | | | |
| | Intraventricular catheter or external ventricular drain | 69 | | | | | | | | | | | | | | |
| **Metabolic** | Diabetic ketoacidosis (DKA) requiring continuous infusion of insulin | 70 | | | | | | | | | | | | | | |
| **Other** | Exchange transfusion | 04 | | | | | | | | | | | | | | |
| | Intravenous thrombolysis | 71 | | | | | | | | | | | | | | |
| | Extracorporeal liver support using molecular absorbent recirculating system (MARS) | 72 | | | | | | | | | | | | | | |
| | Patient nursed in single occupancy cubicle *(state reason for isolation below†)* | †74 | | | | | | | | | | | | | | |
| **High cost drugs** | Medical gases Band 1 - nitric oxide | X841 | | | | | | | | | | | | | | |
| | Surfactant | TBC | | | | | | | | | | | | | | |

*†For patients nursed in a single occupancy cubicle, please state reason for isolation*

**Reason for isolation:**

### PIM/PIM2 – Reason for admission

**Tick if this is an elective admission**

☐

**Main reason for this PICU admission**

- ☐ None of those below
- ☐ Asthma
- ☐ Bronchiolitis
- ☐ Croup
- ☐ Obstructive sleep apnoea
- ☐ Recovery from surgery
- ☐ Diabetic ketoacidosis

### PIM/PIM2 – Medical History

**Is evidence available to assess past medical history?**
*(If Yes, tick all that apply)*

- ☐ Yes
- ☐ No

- ☐ Cardiac arrest before ICU admission
  - ☐ Cardiac arrest OUT of hospital
- ☐ Cardiomyopathy or myocarditis
- ☐ Severe combined immune deficiency
- ☐ Hypoplastic left heart syndrome
- ☐ Leukaemia / lymphoma after 1st induction
- ☐ Liver failure (main reason for PICU admission)
- ☐ Admitted following cardiac bypass
- ☐ Spontaneous cerebral haemorrhage
- ☐ Neurodegenerative disorder
- ☐ Severe developmental delay
- ☐ Human Immunodeficiency Virus (HIV)

 

Day 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55

99
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73

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†74

X841
TBC

**Did the child have a tracheostomy performed during this admission?**

☐ Yes ☐ No

**Is the child on a clinical trial?** ☐ Yes ☐ No

**Name of clinical trial:**

## PIM/PIM2 – Physiology

*This section applies to measurements recorded between the first face-to-face contact with your unit doctor until one hour after admission to your unit*

**Blood gas in first hour?** ☐ Yes ☐ No

**Arterial $PaO_2$** ☐☐ . ☐☐ kPa OR ☐☐☐ mmHg

**$FiO_2$*** ☐ . ☐☐

**Intubation*** ☐ Yes ☐ No

**Headbox*** ☐ Yes ☐ No

** As recorded at the time of the above $PaO_2$ sample*

*State first measurement recorded in defined time period*

**Systolic blood pressure** ☐☐☐ mmHg

±

**Base excess** *(arterial/capillary)* ☐☐☐ . ☐

**Pupil reaction**

☐ Both fixed and dilated
☐ Other reaction
☐ Not known

**Did the child receive any of the following during the first hour after admission to your unit?**

**Mechanical ventilation** ☐ Yes ☐ No ☐ N/K

**CPAP** *(include mask, nasal, negative pressure)* ☐ Yes ☐ No ☐ N/K

 

## Discharge information

**Status at discharge from your unit**

☐ Alive ☐ Dead ☐ Discharged for palliative care

**Date of discharge** *(dd/mm/yyyy)* ☐☐ / ☐☐ / 20☐☐

**Time of discharge** *(hh:mm)* ☐☐ : ☐☐

**Date of death** *(dd/mm/yyyy)* ☐☐ / ☐☐ / 20☐☐

**Time of death** *(hh:mm)* ☐☐ : ☐☐

**Destination following discharge from your unit**

- ☐ Normal residence
- ☐ Hospice
- ☐ Same hospital → ☐ ICU, ☐ PICU, ☐ NICU, ☐ HDU, ☐ SCBU, ☐ Ward, ☐ Other
- ☐ Other hospital → ☐ ICU, ☐ PICU, ☐ NICU, ☐ HDU, ☐ SCBU, ☐ Ward, ☐ Other

## Follow-up 30 days post-discharge from your unit

**Status** ☐ Alive ☐ Dead ☐ Not known

**Date of death** *(dd/mm/yyyy)* ☐☐ / ☐☐ / 20☐☐

**Location**

- ☐ Normal residence
- ☐ Hospice
- ☐ Same hospital → ☐ ICU, ☐ PICU, ☐ NICU, ☐ HDU, ☐ SCBU, ☐ Ward, ☐ Other
- ☐ Other hospital → ☐ ICU, ☐ PICU, ☐ NICU, ☐ HDU, ☐ SCBU, ☐ Ward, ☐ Other

## Growth measurements *(if required by unit)*

**Height** ☐☐☐ . ☐ cm

**Weight** ☐☐☐ . ☐☐☐ kg

**Abdominal circumference** ☐☐☐ . ☐ cm

## Form completed by

## Custom or user-defined fields

| Field name | Value |
|---|---|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
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| | |

## Comments

## Standard NHS ethnic categories

| Ethnic category | | Code |
|---|---|---|
| White | British | A |
| | Irish | B |
| | Any other White background | C |
| Mixed | White & Black Caribbean | D |
| | White & Black African | E |
| | White & Asian | F |
| | Any other mixed background | G |
| Asian & Asian British | Indian | H |
| | Pakistani | J |
| | Bangladeshi | K |
| | Any other Asian background | L |
| Black or black British | Caribbean | M |
| | African | N |
| | Any other Black background | P |
| Other ethnic groups | Chinese | R |
| | Any other ethnic group | S |
| Not stated | Not stated | Z |

## Queries

*An emailed query to* **picanet@leeds.ac.uk** *will reach every PICANet team member, or you can contact us individually:*


**Roger Parslow**
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**Tom Fleming**
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**Krish Thiru**
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**Caroline Lamming**
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crl4@leicester.ac.uk


 

# APPENDIX F INFORMATION LEAFLET

**What does PICANet do?**

PICANet collects information on all children who are admitted to a paediatric (children's) intensive care unit. You don't need to do anything for your child to be included.

**Why is PICANet important?**

The information that we collect for PICANet is helping to find out the best ways to treat and care for children who are ill, so that intensive care services can be better planned for and provided.

**How is PICANet funded?**

At present, several healthcare commissioners, the Department of Health and the Royal Hospital for Sick Children, Edinburgh pay for this project.

**What information is needed?**

PICANet collects exactly the same information on all children cared for in paediatric intensive care units.
Personal details, like name and date of birth, help us to follow your child's progress, if they are moved to another paediatric intensive care unit.

Information about your child's care, treatment and condition is also collected.

We can use your postcode to help plan future paediatric intensive care services in your area.

**How is information collected?**

A member of staff records information about your child's condition or illness onto a paper form in the medical notes. This information is then put onto a computer, sent to the University of Leeds and kept there on a computer.

**Will the information be safe?**

We send all information in a very safe way and keep it stored confidentially on a main computer, which is kept a safe room. No-one can see the information, unless it is their job to do so.
There is no way at all that your child can be identified in any of our reports.

**What will the information be used for?**

We use the information to help us write reports and to decide what research on children's intensive care needs to be done.

Because we collect a lot of information, it means that we can look at what is happening all over the country and not just in this hospital.

We are also about to link up with the Office of National Statistics, so that we can see how your child's health is, after they have left the intensive care unit.

**What have we found out so far?**

During the past few years, we have shown that about 15,000 children are admitted to paediatric intensive care units in England/Wales and Edinburgh. Almost half of these children are less than one year old. This type of information is useful, because it helps the hospitals and the people who plan health services to know what to expect and to be better prepared.

**Does my child have to be included?**

If you do not want information on your child included in PICANet, please tell the nurse or doctor caring for your child. Your decision will not alter the care your child receives in this, or any other hospital.

**Where can I get more information?**
If you have any questions about PICANet you can:

- ask your child's nurse or doctor for more information
- visit the PICANet website (see below)
- email PICANet (see below)
- contact a member of the PICANet team on one of the telephone numbers below

**PICANet contact information:**

**Website**: www.picanet.org.uk

**Email**: picanet@leeds.ac.uk


✉ **Patricia McKinney, Roger Parslow & Angie Willshaw**
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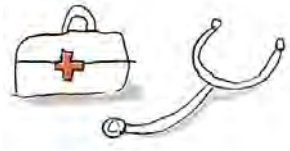

PICA Net

**Paediatric Intensive Care Audit Network**

**Information leaflet for parents, families and guardians of children admitted to paediatric intensive**

Drawn by Zoe aged 8.

Version 4.0 Aug 2006

 

## APPENDIX G DATA VALIDATION REPORT

## The Royal Hospital

### Key to clinical code errors

Value(s):
READ code followed by READ code description followed by the text recorded in the unit notes e.g. XSDOK- Bronchiolitis [respiratory distress]

Example errors:
A) (no code) – (no description) [(no notes)], this means nothing has been supplied.
B) X44vY – [ASD], this means an invalid READ code and no READ code description have been supplied.
C) 00000 – [abdominal tumour resection], this means no READ code and no READ code description have been supplied.

| **Admission number 200421** | **Casenote number 233X** | **Admitted on 12/02/2004** | **PICANet ID 450** |
|---|---|---|---|
| **Reason** | **Variable(s)** | **Value(s)** | **Comment** |
| Missing primary reason | Primary reason for admission | (No code) - (No desription) [(No notes)] | Must have a primary reason for admission recorded |

| **Admission number 200462** | **Casenote number 433RX** | **Admitted on 15/04/2004** | **PICANet ID 552** |
|---|---|---|---|
| **Reason** | **Variable(s)** | **Value(s)** | **Comment** |
| Missing value | Intubation | | |
| Missing value | Number of days intubated | | |

| **Admission number 200479** | **Casenote number 756X** | **Admitted on 01/05/2004** | **PICANet ID 660** |
|---|---|---|---|
| **Reason** | **Variable(s)** | **Value(s)** | **Comment** |
| Incorrect concept domain | Primary reason for admission | X20UN - Nissen fundoplication [Nissen fundoplication] | Primary reason must be a disorder |
| Missing value | Follow-up status | | |

| **Admission number 2004111** | **Casenote number 999X** | **Admitted on 16/12/2004** | **PICANet ID 1273** |
|---|---|---|---|
| **Reason** | **Variable(s)** | **Value(s)** | **Comment** |
| Incongruent value | Hospital location | Normal residence / Ward | Discharge destination not hospital but hospital location recorded |
| Logic error | Admission date / Discharge date | 12/03/2003 / 10/03/2003 | Please check dates; cannot be discharged before admitted |
| Missing value | Unit discharge status | Not known | Status at discharge from your unit expected (Alive or Dead) |

 

## APPENDIX H MONTHLY ADMISSIONS REPORT

| Admissions | | SITEID | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | Month | 1 | 2 | 3 | 4 | 5 | 6 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 31 | 32 | 33 | Total |
| 2005 | 1 | 73 | 33 | 55 | 34 | 24 | 79 | 38 | 35 | 91 | 150 | 95 | 22 | 56 | 33 | 36 | 18 | 64 | 19 | 20 | 31 | 20 | 28 | 17 | 6 | 50 | 24 | 5 | 43 | 34 | | | 1233 |
| | 2 | 73 | 20 | 64 | 39 | 31 | 81 | 35 | 30 | 87 | 98 | 92 | 31 | 42 | 36 | 35 | 5 | 40 | 13 | 17 | 27 | 29 | 36 | 29 | 8 | 59 | 24 | 1 | 48 | 37 | | | 1168 |
| | 3 | 92 | 13 | 60 | 45 | 22 | 68 | 58 | 45 | 77 | 133 | 103 | 27 | 39 | 55 | 34 | 9 | 64 | 18 | 24 | 32 | 24 | 26 | 25 | 5 | 46 | 24 | 9 | 39 | 42 | | | 1258 |
| | 4 | 74 | 22 | 56 | 31 | 24 | 72 | 43 | 39 | 86 | 132 | 89 | 29 | 45 | 31 | 34 | 5 | 53 | 18 | 24 | 23 | 18 | 26 | 19 | 7 | 58 | 16 | 2 | 49 | 33 | | | 1159 |
| | 5 | 81 | 23 | 60 | 40 | 20 | 68 | 58 | 30 | 100 | 129 | 73 | 26 | 37 | 29 | 30 | 13 | 44 | 14 | 23 | 20 | 18 | 26 | 28 | 6 | 57 | 24 | 4 | 34 | 29 | | | 1144 |
| | 6 | 78 | 12 | 71 | 34 | 24 | 69 | 36 | 31 | 101 | 127 | 97 | 38 | 58 | 31 | 27 | 9 | 35 | 9 | 31 | 35 | 22 | 36 | 30 | 8 | 55 | 21 | 5 | 40 | 35 | | | 1205 |
| | 7 | 75 | 16 | 60 | 39 | 25 | 74 | 32 | 30 | 79 | 153 | 103 | 36 | 65 | 31 | 30 | 11 | 55 | 8 | 26 | 27 | 26 | 29 | 16 | 7 | 53 | 22 | 4 | 41 | 27 | | | 1200 |
| | 8 | 66 | 9 | 59 | 32 | 16 | 54 | 46 | 32 | 75 | 134 | 88 | 23 | 61 | 35 | 21 | 7 | 44 | 12 | 26 | 27 | 22 | 26 | 24 | 7 | 61 | 24 | 6 | 36 | 47 | | | 1120 |
| | 9 | 85 | 20 | 59 | 31 | 20 | 66 | 48 | 29 | 78 | 115 | 85 | 27 | 50 | 34 | 30 | 5 | 55 | 20 | 32 | 18 | 28 | 34 | 30 | 10 | 71 | 23 | 2 | 40 | 40 | | | 1185 |
| | 10 | 63 | 23 | 60 | 31 | 20 | 76 | 33 | 36 | 91 | 119 | 75 | 30 | 60 | 34 | 39 | 4 | 45 | 11 | 25 | 23 | 16 | 36 | 26 | 11 | 61 | 23 | 3 | 33 | 37 | | | 1145 |
| | 11 | 77 | 24 | 58 | 37 | 23 | 76 | 33 | 36 | 96 | 117 | 113 | 31 | 56 | 34 | 50 | 6 | 48 | 19 | 28 | 30 | 24 | 31 | 31 | 9 | 63 | 32 | 4 | 61 | 28 | | | 1275 |
| | 12 | 84 | 20 | 53 | 32 | 25 | 88 | 43 | 26 | 73 | 139 | 119 | 30 | 47 | 36 | 46 | 5 | 50 | 24 | 36 | 21 | 33 | 23 | 22 | 5 | 54 | 35 | 5 | 51 | 37 | | | 1262 |
| 2005 Total | | 921 | 235 | 715 | 425 | 274 | 871 | 503 | 399 | 1034 | 1546 | 1132 | 350 | 616 | 419 | 412 | 97 | 597 | 185 | 312 | 314 | 280 | 357 | 297 | 89 | 688 | 292 | 50 | 515 | 426 | | | 14354 |
| 2006 | 1 | 92 | 15 | 66 | 30 | 37 | 77 | 44 | 34 | 108 | 137 | 103 | 29 | 54 | 39 | 38 | 5 | 68 | 16 | 27 | 27 | 41 | 42 | 29 | 12 | 70 | 28 | 4 | 31 | 32 | | | 1335 |
| | 2 | 68 | 29 | 51 | 47 | 30 | 80 | 28 | 35 | 104 | 113 | 104 | 18 | 45 | 46 | 35 | 6 | 59 | 12 | 22 | 31 | 27 | 33 | 21 | 4 | 59 | 19 | 7 | 48 | 35 | | | 1216 |
| | 3 | 68 | 23 | 66 | 35 | 30 | 80 | 42 | 33 | 116 | 152 | 89 | 17 | 47 | 41 | 39 | 7 | 49 | 17 | 27 | 40 | 27 | 40 | 22 | 7 | 67 | 26 | 4 | 41 | 48 | | | 1301 |
| | 4 | 88 | 13 | 52 | 27 | 18 | 65 | 49 | 33 | 83 | 134 | 91 | 25 | 50 | 36 | 27 | 7 | 46 | 17 | 32 | 33 | 26 | 41 | 22 | 7 | 51 | 31 | 4 | 40 | 39 | | | 1187 |
| | 5 | 90 | 19 | 57 | 39 | 25 | 80 | 51 | 29 | 90 | 138 | 88 | 28 | 64 | 31 | 40 | 7 | 49 | 19 | 25 | 22 | 28 | 36 | 17 | 11 | 64 | 19 | 2 | 30 | 38 | | | 1236 |
| | 6 | 79 | 17 | 58 | 40 | 20 | 65 | 52 | 31 | 101 | 142 | 84 | 28 | 55 | 31 | 23 | 5 | 37 | 19 | 15 | 40 | 25 | 25 | 26 | 7 | 62 | 27 | 3 | 43 | 33 | | | 1193 |
| | 7 | 99 | 15 | 54 | 37 | 21 | 80 | 42 | 27 | 88 | 154 | 84 | 32 | 53 | 46 | 24 | 2 | 50 | 15 | 20 | 20 | 21 | 37 | 19 | 5 | 46 | 21 | 2 | 29 | 29 | | | 1172 |
| | 8 | 106 | 23 | 50 | 35 | 22 | 65 | 48 | 22 | 82 | 140 | 79 | 30 | 72 | 36 | 15 | 3 | 42 | 13 | 19 | 32 | 14 | 34 | 23 | 11 | 49 | 25 | 2 | 26 | 38 | | | 1156 |
| | 9 | 82 | 22 | 53 | 36 | 21 | 63 | 46 | 24 | 70 | 143 | 88 | 26 | 53 | 37 | 23 | 5 | 47 | 17 | 16 | 30 | 32 | 31 | 23 | 8 | 53 | 30 | 3 | 28 | 25 | | | 1135 |
| | 10 | 92 | 14 | 45 | 48 | 26 | 88 | 61 | 28 | 78 | 128 | 86 | 26 | 65 | 30 | 37 | 5 | 46 | 14 | 23 | 25 | 19 | 36 | 29 | 5 | 59 | 32 | | 47 | 39 | | | 1231 |
| | 11 | 101 | 27 | 53 | 32 | 29 | 78 | 42 | 35 | 101 | 132 | 90 | 32 | 60 | 35 | 35 | 13 | 51 | 14 | 22 | 30 | 26 | 35 | 27 | 6 | 57 | 28 | 2 | 41 | 39 | | | 1273 |
| | 12 | 99 | 17 | 54 | 48 | 30 | 108 | 25 | 35 | 98 | 116 | 115 | 31 | 39 | 42 | 33 | 10 | 41 | 17 | 28 | 25 | 21 | 31 | 18 | 7 | 55 | 32 | 3 | 33 | 35 | | | 1246 |
| 2006 Total | | 1064 | 234 | 659 | 454 | 309 | 929 | 530 | 366 | 1119 | 1629 | 1101 | 322 | 657 | 450 | 369 | 75 | 585 | 190 | 276 | 355 | 307 | 421 | 276 | 90 | 692 | 318 | 36 | 437 | 430 | | | 14681 |
| 2007 | 1 | 96 | 25 | 55 | 48 | 34 | 78 | 32 | 37 | 90 | 111 | 107 | 20 | 68 | 36 | 32 | 11 | 58 | 18 | 37 | 20 | 22 | 43 | 27 | 3 | 71 | 31 | 4 | 41 | 38 | | | 1293 |
| | 2 | 76 | 17 | 58 | 41 | 29 | 79 | 26 | 31 | 84 | 94 | 97 | 21 | 54 | 27 | 31 | 8 | 66 | 14 | 30 | 35 | 17 | 43 | 15 | 4 | 59 | 34 | 3 | 32 | 36 | 12 | | 1173 |
| | 3 | 99 | 20 | 55 | 47 | 28 | 81 | 32 | 29 | 84 | 120 | 100 | 36 | 42 | 38 | 33 | 8 | 43 | 17 | 18 | 38 | 20 | 44 | 25 | 7 | 69 | 31 | 3 | 43 | 48 | 32 | | 1291 |
| | 4 | 84 | 18 | 63 | 50 | 24 | 75 | 30 | 35 | 79 | 114 | 88 | 24 | 61 | 34 | 26 | 8 | 43 | 16 | 25 | 16 | 21 | 32 | 25 | 8 | 47 | 33 | | 53 | 42 | 37 | 79 | 1290 |
| | 5 | 84 | 24 | 50 | 46 | 21 | 85 | 41 | 36 | 99 | 120 | 102 | 27 | 63 | 33 | 33 | 2 | 55 | 15 | 21 | 33 | 25 | 33 | 25 | 9 | 58 | 34 | 6 | 52 | 41 | 38 | 82 | 1393 |
| | 6 | 92 | 19 | 54 | 35 | 32 | 70 | 36 | 23 | 86 | 128 | 95 | 25 | 43 | 47 | 22 | 10 | 50 | 22 | 25 | 25 | 25 | 33 | 31 | 7 | 54 | 23 | 5 | 41 | 41 | 35 | 75 | 1309 |
| | 7 | 88 | 9 | 55 | 40 | 29 | 88 | 31 | 30 | 90 | 137 | 103 | 27 | 52 | 40 | 26 | 13 | 56 | 22 | 22 | 30 | 22 | 20 | 36 | 3 | 73 | 26 | 5 | 58 | 29 | 26 | 61 | 1347 |
| | 8 | 98 | 7 | 51 | 51 | 20 | 70 | 27 | 31 | 94 | 86 | 102 | 15 | 47 | 26 | 28 | 11 | 60 | 10 | 32 | 25 | 23 | 16 | 26 | 12 | 74 | 26 | 4 | 42 | 37 | 32 | 85 | 1268 |
| | 9 | 103 | 3 | 50 | 36 | 22 | 71 | 29 | 31 | 83 | 125 | 87 | 40 | 54 | 20 | 27 | 7 | 38 | 13 | 20 | 30 | 26 | 22 | 26 | 10 | 45 | 21 | 4 | 39 | 32 | 36 | 61 | 1211 |
| | 10 | 110 | 10 | 62 | 46 | 29 | 71 | 39 | 27 | 103 | 126 | 115 | 17 | 53 | 32 | 30 | 19 | 54 | 13 | 33 | 41 | 24 | 23 | 29 | 8 | 70 | 41 | 3 | 46 | 41 | 43 | 59 | 1417 |
| | 11 | 112 | 11 | 77 | 42 | 32 | 85 | 27 | 22 | 99 | 131 | 124 | 13 | 59 | 31 | 39 | 12 | 67 | 16 | 25 | 43 | 23 | 30 | 23 | 5 | 68 | 39 | 3 | 38 | 44 | 39 | 80 | 1459 |
| | 12 | 116 | 12 | 68 | 42 | 25 | 65 | 32 | 32 | 95 | 113 | 87 | 29 | 46 | 37 | 41 | 10 | 61 | 18 | 30 | 29 | 31 | 21 | 26 | 9 | 69 | 37 | 5 | 53 | 34 | 34 | 48 | 1355 |
| 2007 Total | | 1158 | 175 | 698 | 524 | 325 | 918 | 382 | 364 | 1086 | 1405 | 1207 | 294 | 642 | 401 | 368 | 119 | 651 | 194 | 318 | 365 | 279 | 360 | 314 | 85 | 757 | 376 | 45 | 538 | 463 | 364 | 630 | 15806 |
| Total | | 3143 | 644 | 2072 | 1403 | 908 | 2718 | 1415 | 1129 | 3239 | 4580 | 3440 | 966 | 1915 | 1270 | 1149 | 291 | 1833 | 569 | 906 | 1034 | 866 | 1138 | 887 | 264 | 2137 | 986 | 131 | 1490 | 1319 | 364 | 630 | 44836 |

# APPENDIX I DATA STATUS REPORT

## Data status report

November 2002 - July 2008

| SITEID | Last imported | ExportID | Admissions | First admission | Most recent admission | Missing value | Out of range | Invalid value | Logic violation | Incongruity | Check value | Invalid code | Uncoded reason | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1** | 05/06/2008 | 34 | 5833 | 01/11/2002 | 03/06/2008 | 432 | 28 | 1 | 16 | 74 | 4 | 47 | | **602** |
| **2** | 28/02/2008 | 239 | 1160 | 02/01/2003 | 25/02/2008 | 27 | | | | | 1 | 1 | | **29** |
| **3** | 12/05/2008 | 111 | 3839 | 02/11/2002 | 30/04/2008 | 68 | | | | | 6 | 1 | 26 | **101** |
| **4** | 27/06/2008 | 411 | 2412 | 02/03/2003 | 22/06/2008 | 14 | | | 1 | | 1 | 60 | | **76** |
| **5** | 26/06/2008 | 204 | 1656 | 04/11/2002 | 25/06/2008 | 52 | | | | 1 | 1 | | | **54** |
| **6** | 05/06/2008 | 84 | 5064 | 01/11/2002 | 01/06/2008 | 56 | 1 | | | | 1 | | | **58** |
| **8** | 14/04/2008 | 174 | 2740 | 01/11/2002 | 06/04/2008 | 328 | 1 | 1 | 12 | 3 | | | | **345** |
| **9** | 12/05/2008 | 284 | 2082 | 01/11/2002 | 08/05/2008 | 60 | | | 2 | | 3 | | | **65** |
| **10** | 25/06/2008 | 163 | 5851 | 02/11/2002 | 28/04/2008 | 19 | 1 | | 1 | | 1 | | | **22** |
| **11** | 23/04/2008 | 85 | 7993 | 16/01/2003 | 07/04/2008 | | | | | | | | | **0** |
| **12** | 28/05/2008 | 18 | 5500 | 01/03/2003 | 24/12/2007 | 107 | 9 | 6 | 4 | 69 | 4 | 47 | | **246** |
| **13** | 10/06/2008 | 121 | 1641 | 01/03/2003 | 05/06/2008 | 3 | | | 1 | 3 | | 4 | 3 | **14** |
| **14** | 14/04/2008 | 51 | 3054 | 01/03/2003 | 13/03/2008 | 81 | | | 1 | 6 | 11 | 1 | 1 | **101** |
| **15** | 15/05/2008 | 133 | 2048 | 01/03/2003 | 30/04/2008 | 105 | 7 | | | | 3 | 3 | | **118** |
| **16** | 05/06/2008 | 81 | 1987 | 01/03/2003 | 01/05/2008 | 96 | 14 | | | | 2 | | | **112** |
| **17** | 30/05/2008 | 110 | 510 | 04/03/2003 | 21/05/2008 | 97 | 1 | | | | | | | **98** |
| **18** | 10/06/2008 | 128 | 3330 | 01/11/2002 | 26/04/2008 | 1546 | 1 | | 8 | 1 | 3 | | | **1559** |
| **19** | 19/06/2008 | 402 | 1026 | 01/11/2002 | 13/06/2008 | 5 | | | | | | | | **5** |
| **20** | 13/06/2008 | 149 | 1716 | 02/11/2002 | 18/05/2008 | | | | | 1 | | | | **1** |
| **21** | 30/05/2008 | 83 | 1796 | 01/11/2002 | 29/02/2008 | 32 | | | | | 3 | | | **35** |
| **22** | 30/05/2008 | 104 | 1532 | 02/11/2002 | 17/05/2008 | 558 | | | | 1 | 1 | | | **560** |
| **23** | 17/06/2008 | 406 | 2116 | 01/11/2002 | 25/05/2008 | 139 | | | 3 | | 3 | | | **145** |
| **24** | 11/02/2008 | 133 | 1638 | 01/11/2002 | 31/12/2007 | 4 | 2 | | 2 | | 1 | | | **9** |
| **25** | 05/06/2008 | 135 | 465 | 01/11/2002 | 01/04/2008 | | | | | | | 5 | | **5** |
| **26** | 27/06/2008 | 121 | 3847 | 01/11/2002 | 23/06/2008 | 249 | | | | | 5 | 1 | | **255** |
| **27** | 30/05/2008 | 260 | 1631 | 01/11/2002 | 08/05/2008 | 12 | 1 | | | | | | | **13** |
| **28** | 17/03/2008 | 171 | 273 | 01/11/2002 | 22/02/2008 | 17 | | | | | | | | **17** |
| **29** | 26/06/2008 | 229 | 2787 | 01/11/2002 | 25/06/2008 | 153 | | | | | | 1 | | **154** |
| **31** | 13/06/2008 | 145 | 1579 | 07/12/2004 | 12/06/2008 | 68 | | | | | | 9 | | **77** |
| **32** | 07/03/2008 | 85 | 391 | 13/02/2007 | 31/01/2008 | 20 | 1 | | 1 | | 4 | | | **26** |
| **33** | 23/06/2008 | 11 | 630 | 02/04/2007 | 21/12/2007 | 28 | 2 | | 1 | 1 | 4 | | | **36** |
| | | | **78127** | | | **4376** | **69** | **8** | **53** | **160** | **62** | **180** | **30** | **4938** |

**Last imported**: the date on which the data was most recently exported
**ExportID**: the ID of the most recent export (this increments with each export)
**Total admissions**: the number of admissions during the time period of this report
**First admission**: the earliest admission date included in this report
**Most recent admission**: the latest admission date included in this report
**Missing value**: value missing when required
**Out of range**: value outside normal ranges (as specified in the manual)
**Invalid value**: value not valid (e.g. wrongly enumerated code)
**Logic violation**: illogical values supplied (e.g. a discharge date before an admission date)
**Incongruity**: value supplied when not required (e.g. a retrieval team specified when the patient was not retrieved)
**Check value**: value requiring confirmation
I**nvalid code**: invalid Read Code supplied
**Uncoded reason**: no Read Code supplied
**Total**: total number of errors

## APPENDIX J POLICY FOR UNITS FALLING OUTSIDE THE CONTROL LIMITS

**PICANet policy on PICUs lying outside the control limits of the mortality ratio funnel plots (PICANet November 2005)**

### J.1 Background – mortality ratios and funnel plots

PICANet is required by the Department of Health to report on the mortality outcomes of all children admitted for paediatric intensive care. The PICANet Clinical Advisory Group and Steering Group recommended that the mortality outcomes from each PICU be adjusted for the illness severity of the child at admission using the Paediatric Index of Mortality (PIM).[1] PICANet reports the unadjusted mortality outcome from all PICUs and a mortality ratio based on the ratio of observed mortality in each PICU to the expected mortality calculated using PIM. From 2005, revised coefficients for PIM have been used derived from the recently completed United Kingdom Paediatric Intensive Care Outcome Study.[2] PIM2[3] has been used for risk-adjustment in this report for 2006 only and will be used in future reports as the data become available.

Earlier work published by members of PICANet team[4] has highlighted the problems of attempting to rank PICUs on their annual mortality, whether unadjusted or adjusted. PICANet, however, has also recognised the need to identify units which appear to have outcomes very different to other units. Consequently, PICANet has published a funnel plot of the observed to expected mortality ratio of individual PICUs. The funnel plots are constructed in such a way that there is an approximately 5% chance of a PICU falling outside the control limits, if the distribution of the mortality ratios is random.

The mortality ratio is calculated for each PICU by dividing the expected number of deaths calculated using the published PIM algorithm by the observed number of deaths for each PICU. The mortality ratio is then plotted on the y-axis against the number of admissions to the PICU on the x-axis. In order to satisfy the condition that if the overall distribution of the mortality ratios is random there exists an approximately 5% chance of a PICU falling outside the control limits, then the upper and lower control limits constructed at an individual PICU level must represent not 95% confidence intervals, but 99.9% confidence intervals around a mortality ratio of 1 by number of admissions.[5] This is analogous to increasing the confidence interval (or significance level) when correcting for multiple comparisons in data containing numerous groups.

 

## J.2 Data outliers

- A PICU whose mortality ratio lies outside of these control limits will be identified as having returned data that is markedly different to the other PICUs.
- It is important to note that a PICU lying outside the control limits is not sufficient evidence to suggest a PICU has either markedly higher or markedly lower mortality than the other PICUs, it merely indicates that the data they have returned is different to that of other PICUs.
- For those PICUs that do lie outside the control limits, the principals of clinical governance should apply:
    - PICANet will raise the issue with the lead clinician of the PICU and the Trust Chief Executive
    - PICANet will work with the PICU and the Trust, following the plan below until the issue is resolved.

In these circumstances, PICANet will:

i) Review the data to investigate whether there are data driven reasons for a PICU lying outside of the control limits (it is known that risk-adjustment tools can be unreliable when a PICU has a particularly high proportion of patients at either end of the bounds of the tool.)

ii) Review the data quality of the PICU. The quality of the data is the PICUs' responsibility. PICANet will provide feedback from PICU visits and central validation procedures. PICUs will be expected to check the quality of individual data items.

iii) Plot the data quality indicators over time to identify whether the anomaly can be traced to a certain data collection period.

iv) Plot the mortality ratio over time to identify whether the anomaly can be traced to a certain data collection period.

v) Plot the observed mortality over time to identify whether the anomaly can be traced to a certain data collection period.

vi) Plot the expected mortality over time to identify whether the anomaly can be traced to a certain data collection period.

vii) Investigate the primary reason for admission to the PICU. If the PICU has a markedly high proportion of some primary reason of admission to the PICU compared with other PICUs this may suggest further refinements to the risk-adjustment method are required.

viii) Produce a brief summary report of the above to be forwarded to the lead clinician and Chief Executive at the PICU concerned, together with an invitation to meet in person to review the data with the PICANet team.

Where reference is made to the Chief Executive, it is accepted that they may be represented by their clinical governance lead.

**NOTE:** Excess mortality in particular sub-groups of patients or associated with other aspects of service provision may be identified using different statistical methods. The process outlined above will be implemented wherever anomalous results/outliers are identified.

 

## J.3 References


1) Parry GJ, Gould CR, McCabe CJ, Tarnow-Mordi WO. Annual league tables of hospital mortality in neonatal intensive care: A longitudinal study. BMJ 1998; 316:1931-1935.
2) Brady AR, Harrison D, Black S, Jones S, Rowan K, Pearson G, Ratcliffe J, Parry GJ, on behalf of the UK PICOS Study Group. Assessment and Optimization of Mortality Prediction Tools for Admissions to Pediatric Intensive Care in the United Kingdom. Pediatrics 2006; 117: 733-742.
3) Shann F, Slater A, Pearson G. PIM 2: a revised version of the Paediatric Index of mortality. Intensive Care Med 2003; 29:278-285
4) Shann F, Pearson G, Slater A, Wilkinson K, Paediatric index of mortality (PIM): a mortality prediction model for children in intensive care. Intensive Care Med 1997; 23:201-207
5) Spiegelhalter D. Funnel plots for institutional comparison. Qual. Saf. Health Care, Dec 2002; 11: 390- 391.


 

## APPENDIX K PUBLICATIONS/PRESENTATIONS

### Presentations

| Meeting/Conference | Venue | Date | Presentation Title | PICANet Team Attendees |
|---|---|---|---|---|
| PICANet AGM | London | 24/06/2004 | Presentation of National report | PICANet Team |
| PICS SG | Cambridge University | 09/09/2004 | PICANet: How can it be used for research and audit? | Nicky Davey, Sam Jones, Roger Parslow & Krish Thiru |
| Pan Thames Report Update: Commissioning Consortium | London | 06/05/2005 | PICANet: Update on Pan Thames data quality for commissioning | Krish Thiru & Sam Jones |
| PICANet AGM | London | 24/05/2005 | Presentation of National report | PICANet team |
| PICANet AGM | Perinatal Institute, Birmingham | 29/06/2006 | Presentation of the National Report | PICANet Team |
| Pan Thames Commissioners Meeting | London | 28/07/2006 | Pan Thames PICANet Report 2004-2005 | Krish Thiru, Tricia McKinney |
| Paediatric Intensive Care Society Scientific Meeting | Glasgow | 16 & 17/11/2006 | PICU Health Informatics | K Thiru |
| PICANet AGM | Leeds University Business School | 04/07/2007 | Presentation of the National Report | PICANet Team |

### Abstracts

| Abstract | Title | Authors |
|---|---|---|
| European Society for Paediatric and Neonatal Intensive Care (ESPNIC) annual conference, 15-17 September 2005, Antwerp (oral presentation) | Mortality, deprivation and ethnicity of critically ill children in England and Wales: preliminary findings from the Paediatric Intensive Care Audit Network (PICANet) | Parslow RC, Tasker RC, Chater T, Davey N, Draper ES, Jones S, Parry GJ, Thiru K & McKinney PA. |
| 5th World Congress on Pediatric Critical Care, 24-28 June 2007, Geneva, Switzerland (poster presentation) | Collecting national data for clinical audit: The Paediatric Intensive Care Audit Network in Great Britain | Parslow RC, McKinney PA, Draper ES, Thiru K |
| 5th World Congress on Pediatric Critical Care, 24-28 June 2007, Geneva, Switzerland (poster presentation) | Clinical information system utilisation in paediatric intensive care: A UK perspective | Ramnarayan P, Thiru K, Rowe S on behalf of Pan Thames Health Informatics Group |
| The 15th Annual Public Health Forum, Edinburgh International Conference Centre, 28-29 March 2007, Edinburgh, UK (poster presentation) | Using Data to Inform Commissioning of Paediatric Intensive Care | Sidhu S, Rowe S & Thiru K |
| PICS SG Meeting, 19 – 21 November 2008, Cardiff (poster presentation) | Clinical Information Systems in UK PICs: Opportunities and Challenges. | Thiru K, Ramnarayan P, Mador RL, Rowe S. |
| Information Technology and Communication in Health (ITCH): Revolutionizing Healthcare with Informatics: From Research to practice, Victoria, Canada 19 -21 Feb 2009 (poster presentation) | Understanding the Workflow of Pediatric Intensive Care Nurses Prior to the Introduction of a Critical Care Information System | Rebecca L. Mador, Dr. Nicola T. Shaw, Damon Mayes, Prof. Johanna I. Westbrook, Nerida Creswick, Dr. Krish Thiru, and Micaela Brown |

 

## APPENDIX L GLOSSARY

The following abbreviations / terms are used within the text of this report:

| | |
|---|---|
| **A&E** | Accident and Emergency Department |
| **AIC** | Adult Intensive Care |
| **AICU** | Adult Intensive Care Unit |
| **ANZPICS** | Australian and New Zealand Paediatric Intensive Care Registry |
| **CAG** | Clinical Advisory Group |
| **CATS** | Children's Acute Transfer Service |
| **CT3** | Clinical Terms 3 |
| **ECMO** | Extra corporeal membrane oxygenation |
| **ENB** | English National Board |
| **GB** | Great Britain |
| **GOSH** | Great Ormond Street Hospital |
| **HB** | Health Board |
| **HQIP** | Healthcare Quality Improvement Partnership |
| **IC** | Information Centre for health and social care |
| **ICNARC** | Intensive Care National Audit & Research Centre |
| **ICP device** | Intracranial pressure device |
| **Invasive ventilation** | Any method of ventilation delivered via an endotracheal tube, laryngeal mask or tracheotomy tube |
| **IQR** | Interquartile Range |
| **IV vasoactive therapy** | Intravenous drug therapy to support blood pressure and heart rate |
| **LVAD** | Left ventricular assist device to support cardiac function |
| **NPfIT** | National Programme for Information Technology |
| **NSPD** | National Statistics Postcode Directory |
| **NHS** | National Health Service |
| **NHSIA** | National Health Service Information Authority |
| **NHSnet** | A secure wide area network connecting NHS organisations which enables units to transfer data electronically to PICANet |
| **Non–invasive ventilation** | Any method of ventilation NOT given via an endotracheal tube, laryngeal mask or tracheostomy tube |
| **PbR** | Payment by Results |
| **PCCEWG** | Paediatric Critical Care Expert Working Group |
| **PCCMDS** | Paediatric Critical Care Minimum Dataset |
| **PCO** | Primary Care Organisations |
| **PIAG** | Patient Information Advisory Group |
| **PIC** | Paediatric Intensive Care |
| **PICANet** | Paediatric Intensive Care Audit Network |
| **PICNET** | Paediatric Intensive Care Network |
| **PICS** | Paediatric Intensive Care Society |

 

| | |
|---|---|
| **PICS SG** | Paediatric Intensive Care Society Study Group |
| **PICU** | Paediatric Intensive Care Unit |
| **PIM** | Paediatric Index of Mortality |
| **PIM 2** | Paediatric Index of Mortality version 2 |
| **READ Codes** | Clinical terminology used to describe clinical conditions, symptoms and observations |
| **RSV** | Respiratory syncytial virus |
| **SCT** | See SNOMED CT® |
| **SHO** | Senior House Officer |
| **SG** | Steering Group |
| **SNOMED CT®** | SNOMED CT® is a clinical terminology - the Systematised Nomenclature of Medicine. It is a common computerised language that will be used by all computers in the NHS to facilitate communications between healthcare professionals in clear and unambiguous terms |
| **SMR** | Standardised mortality ratio |
| **SHA** | Strategic Health Authority |
| **SWACIC** | South West Audit of Critically Ill Children |
| **UK PICOS** | United Kingdom Paediatric Intensive Care Outcome Study |

 

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