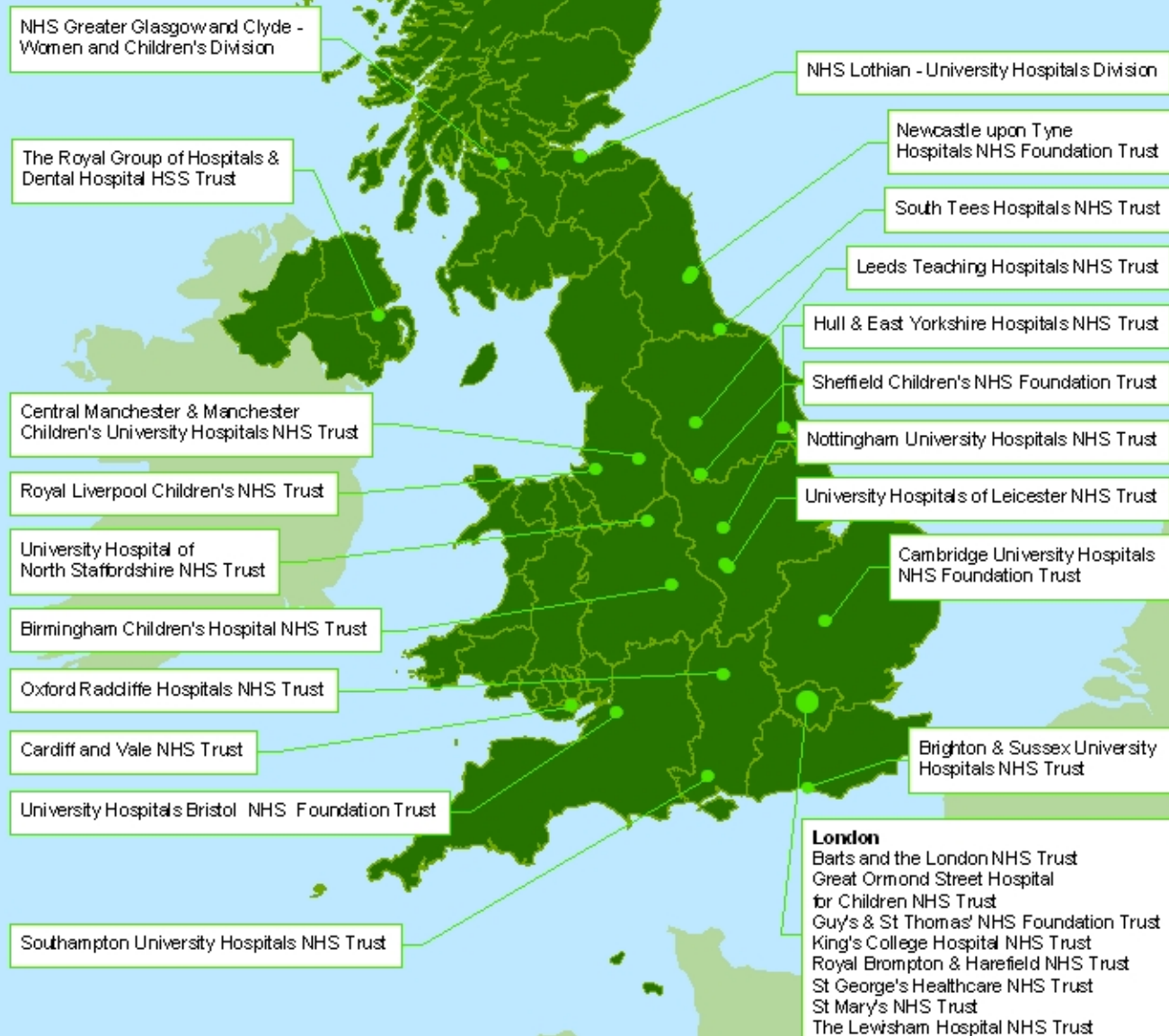


# PICA



# Net

## National Report of the Paediatric Intensive Care Audit Network January 2006 - December 2008



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Patricia McKinney, Philip McShane, Roger Parslow, Sarah Skinner, Krishnan Thiru  
Universities of Leeds and Leicester**

## Key

- A** Cambridge University Hospitals NHS Foundation Trust
- B** Brighton & Sussex University Hospitals NHS Trust
- C** Cardiff & Vale NHS Trust
- D** Central Manchester & Manchester Children's University Hospitals NHS Trust
- E** Great Ormond Street Hospital for Children NHS Trust
- F** Guy's & St. Thomas' NHS Foundation Trust
- G** Hull & East Yorkshire Hospitals NHS Trust
- H** King's College Hospital NHS Trust
- I** Leeds Teaching Hospitals NHS Trust
- J** The Lewisham Hospital NHS Trust
- K** Newcastle upon Tyne Hospitals NHS Foundation Trust
  - K1** Newcastle General Hospital
  - K2** Newcastle Freeman Hospital
  - K3** Newcastle Royal Victoria Infirmary
- L** University Hospital of North Staffordshire NHS Trust
- M** Nottingham University Hospitals NHS Trust
- N** Oxford Radcliffe Hospitals NHS Trust
- O** Royal Brompton & Harefield NHS Trust
- P** Royal Liverpool Children's NHS Trust
- Q** Sheffield Children's NHS Foundation Trust
  - Q1** Sheffield Children's Hospital (NICU)
  - Q2** Sheffield Children's Hospital (PICU)
- R** Southampton University Hospitals NHS Trust
- S** South Tees Hospitals NHS Trust
- T** St. George's Healthcare NHS Trust
- U** St. Mary's NHS Trust
- V** Birmingham Children's Hospital NHS Trust
- W** University Hospitals Bristol NHS Foundation Trust
- X** University Hospitals of Leicester NHS Trust
  - X1** Leicester Glenfield Hospital
  - X2** Leicester Royal Infirmary
- Y** NHS Lothian – University Hospitals Division
- Z** Barts and the London NHS Trust
- ZA** NHS Greater Glasgow and Clyde – Women and Children's Division
- ZB** The Royal Group of Hospitals and Dental Hospitals HSS Trust

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# **National Report of the Paediatric Intensive Care Audit Network**

January 2006 – December 2008

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PICANet was established in collaboration with the Paediatric Intensive Care Society (PICS) and their active support continues to be a key component of our successful progress. The PICANet Steering Group (SG) has patient, academic, clinical, government and NHS members all of whom are thanked for their continuing assistance and advice. Members of our Clinical Advisory Group (CAG) are PICANet's formal interface with clinical care teams and their valuable support and contribution is gratefully acknowledged.

PICANet is funded by the National Clinical Audit & Patient Outcomes Programme, administered by Healthcare Quality Improvement Partnership (HQIP), Health Commission Wales Specialised Services, NHS Lothian / National Service Division NHS Scotland, the Royal Belfast Hospital for Sick Children and the Pan Thames PICU Commissioning Consortium.

The organisation and functioning of PICANet is dependent on IT programming and development from Martin Perkins (University of Leicester), who we thank for his essential contributions.



### 3 FOREWORD

It is a pleasure to be invited to write this foreword to the new PICANet annual report. The Healthcare Clinical Audit Partnership (HQIP) took over the funding of PICANet in April 2008 as part of our role in re-invigorating audit and within that, acting as the commissioner for a large group of national audits to which PICANet was added at that point.

Over this time we have become increasingly impressed with the professionalism and competence with which PICANet is administered and operated. The audit sets the very highest standards in methodology, most notably in its casemix adjustment, and its analytical standard is very high.

On a broader level, PICANet is an essential tool for the PIC network to assess and monitor both its collective effectiveness and for individual units to assess their effectiveness against others. Units can see clearly how their performance compares against their peers and the variance in admission and care that occurs.

In doing so, PICANet helps drive up standards and quality each year and we are very pleased to see this emphasis this year on quality of care to parents and carers. The data this year gives a clear impetus for certain units to improve their services in this area, which will make the experience of PIC a much better one for those whose children are admitted.

Overall I would like to commend the work of PICANet very highly, and the work of all those who spend time collecting and inputting data. In many ways it sets a standard for quality in clinical audit. I look forward to seeing the recommendations made, enacted by those with responsibilities to do so. In particular I look forward to work on international liaison to allow comparison with larger data sets.

I look forward to seeing ever greater achievements this time next year

Robin Burgess  
Chief Executive  
Healthcare Quality Improvement Partnership

## 4 EXECUTIVE SUMMARY

1. PICANet is a clinical audit of paediatric intensive care (PIC) activity in the UK which aims to improve patient outcomes by providing information on delivery of care to critically ill children and an evidence base for clinical governance. PICANet was established in 2001 and functions in close collaboration with members of the PIC clinical community.
2. 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. Comprehensive, routinely available information is extremely important for clinical care and service commissioning and is a powerful tool for supporting clinical governance. The national PICANet dataset continuously records details of admission, discharge, diagnoses (coded using Clinical Terms 3 (The Read Codes)), medical history, physiology, interventions and outcome. The outcome information is adjusted by 'casemix' to provide reliable evidence on patients' outcomes for clinicians, managers, patients. From 2006 the casemix adjustment tool has been the Paediatric Index of Mortality 2.
4. Rigorous data quality procedures, incorporating iterative feedback loops between PICANet and the units, continue to ensure the dataset is of high quality.
5. Data are presented on 47,125 paediatric intensive care admissions to 28 NHS trusts in the UK over the three year period January 2006 to December 2008. Detailed tables present information nationally, by Strategic Health Authority/Health Board (SHA / HB), Primary Care Organisation (PCO) and named individual NHS trust. Data are again, as last year, available for downloading from the Web in spreadsheet format.
6. Children under 1 year comprise 47% of all admissions with an overall excess of boys (56%) compared to girls (44%). The majority of admissions (57%) are unplanned. Seventy-eight per cent of children who are retrieved are done so by specialist paediatric intensive care teams.
7. Invasive ventilation procedures are recorded for 67% of admissions. Variation exists by NHS Trust (6% and 94% of patients) and geographically by Strategic Health Authority and Primary Care Organisation.
8. A total of 267,386 bed days were delivered between 2006 and 2008. Length of stay has been calculated to the minute and presented as numbers of admissions by length of stay category ranging from less than an hour (0.4%) to 7 days or longer (16%).
9. It is extremely rare for a child to die in paediatric intensive care and over 95% of children are discharged alive. Risk-adjusted performance of all Trusts fell within acceptable limits in each individual year and aggregated across the three year period.
10. The volume of patients receiving paediatric intensive care shows considerable geographical variation by both Strategic Health Authority and Primary Care Organisation; maps of England and Wales clearly illustrate this.
11. The Paediatric Critical Care Minimum Data Set provides the basis for payment by results (PbR) through the establishment of healthcare resource groups. At the time of publication, 23 PICUs representing 19 NHS Hospital Trusts in England and Wales have submitted daily activity data on over 92,000 patient days. If the data are a true reflection of PIC activity, they indicate wide variation in the level of intensive care activity delivered in different PICUs.

12. A census of information and facilities available to parents/carers and families on 34 PICUs in the UK and Ireland showed large differences in practice. This information will provide an evidence base for individual PICUs to evaluate what they offer compared to other units and identify areas for improvement.
13. Thirteen recommendations arising from this report are outlined in the next section.

## 5 RECOMMENDATIONS

PICANet recommend that:

1. high quality clinical audit data on children receiving intensive care in the UK continue to be collected to optimise quality improvement in the delivery of care, to facilitate future planning, permit ongoing audit and describe the epidemiology of critically ill children.
2. the PICANet dataset underpins the development of standards for PIC and PICANet develops a rolling programme of audits to measure against these standards in conjunction with the Paediatric Intensive Care Society.
3. PICANet develops a working group of patient / parent groups and the clinical community. This group will produce standard recommendations on information and facilities that should be available for parents/carers of patients in PICUs and will ensure the development of patient orientated audits.
4. individual PICUs ensure that current information about PICANet is available for patients and families in the form of leaflets, posters and via the web.
5. links with the clinical community through the Paediatric Intensive Care Society and other professional organisations continue to be strengthened and expanded via collaborative audit using the PICANet dataset.
6. PICANet work closely with PIC commissioners to facilitate a co-ordinated approach to the planning of PIC services across the UK and Ireland.
7. the PICANet dataset should be used to recalibrate the risk-adjustment algorithms in paediatric intensive care on a regular basis.
8. NHS Trusts provide support for the collection of child status at 30 days following discharge from PIC and that those with little or no follow-up data approach Trusts with good quality follow-up information for advice.
9. PICUs aim to reduce the proportion of missing NHS numbers to <5% by investigating their Trust's access to the National Strategic Tracing Service to facilitate the complete collection of NHS numbers.
10. PICANet data collection incorporates detailed data on patient retrievals to optimise the retrievals process through a national audit of retrievals data.
11. critical care data collection for children should be enhanced by expansion into high dependency care and adult intensive care settings.
12. all PICUs should be encouraged to collect the components of the Paediatric Critical Care Minimum Data Set to enable more detailed analysis of activity, occupancy levels and variations in level of care provision across the UK and Ireland.
13. international collaborations should be established to enable the development of large-scale audit comparisons between countries that will inform clinical practice.

## 6 LAY SUMMARY

Clinical audit within the NHS is a process that seeks to improve the quality of patient care. The process involves measuring the quality of care and the services that deliver the care which can be compared to agreed standards. Clinical audit also records what happens to patients during and after their care so that improvements can be made.

PICANet is a high quality national clinical audit that collects information on children receiving intensive care in Britain and Ireland. PICANet aims to collect data that will ensure the best quality care is given to children in Paediatric Intensive Care Units. The information also helps with the planning of care, allows for continuous audit of the service delivered and assists PICANet with describing patterns of factors linked to critically ill children.

PICANet work with teams of doctors and nurses who care for children in Paediatric Intensive Care Units. Links have been developed with patient and parent groups to review the facilities and information available to families.

Every year PICANet publish a report including information on the numbers of children who receive care and the type of treatment they receive in each unit. No individual child can ever be identified. This year the report highlights the following:

- 34,168 children aged between 0 and 15 years received care in a Paediatric Intensive Care Unit in England, Wales Scotland and Northern Ireland in the three years 2006 - 2008.
- Nearly half the children are under 1 year of age and more boys than girls are admitted for intensive care.
- Over half the admissions are for emergency treatment and children are generally transported to hospital by specially trained teams of doctors and nurses.
- A large proportion of children receive mechanical assistance with their breathing although the numbers vary by hospital.
- Most children stay in paediatric intensive care 2 days or less but this varies from less than an hour to a year or longer.
- It is extremely rare for children to die in paediatric intensive care and over 95% leave this type of specialist care alive. All hospitals have death rates which fall within set limits.
- Variation exists across England, Wales and Scotland in the percentages of children treated in intensive care units and those receiving mechanical assistance with their breathing.
- PICANet makes a number of recommendations for improving the Paediatric Intensive Care service.

More information on PICANet can be found at [www.picanet.org.uk](http://www.picanet.org.uk)

## 7 BACKGROUND

PICANet was established in 2002, following a tender in 2000 by the Department of Health (DOH) for a national paediatric intensive care database that would allow core data to be collected in a standardised way throughout all PICUs in the country.

Since November 2002, all NHS PICUs within England and Wales outside the Pan Thames region have been collecting data on consecutive admissions to their units. The Pan Thames units began data collection in March 2003, whilst the PICU at the Royal Hospital for Sick Children, Edinburgh began in December 2004. The Royal Hospital for Sick Children, Glasgow began in March 2007. The Royal Belfast Hospital for Sick Children began in April 2008. A full list of participating PICUs can be found in [Appendix A](#).

PICANet receives support and advice from a Clinical Advisory Group (CAG) consisting of doctors and nurses working within the speciality. A Steering Group (SG), comprising professionals from Health Services Research, the Royal Colleges of Paediatrics & Child Health, Nursing and Anaesthetics, and user groups such as Action for Sick Children, monitors PICANet and offers additional support and advice. [Appendices B](#) and [C](#) provide a full list of CAG and SG members. Additional support from the clinical community is provided through the Paediatric Intensive Care Society.

## 8 INTRODUCTION AND AIMS

This is the sixth national report produced by PICANet on data submitted by participating PICUs in the UK.

The 2009 report has been published as a .pdf document, downloadable from <http://www.picanet.org.uk/> with the tables and figures available for download in Microsoft Excel format, again, available from <http://www.picanet.org.uk/>.

This form of publication has been very successful with nearly 800 separate downloads of all or part of the last 2 national reports and will continue to be used in the future. The downloadable format means that individuals can select specific sections of the report to print if necessary and the tables and figures can be manipulated and used in presentations and reports. Please ensure that PICANet is acknowledged as the source of this information using the format given on the inside cover.

In collaboration with participating units, PICANet remains committed to achieving the following objectives:

- Identifying best practice.
- Monitoring supply and demand.
- Monitoring and reviewing outcomes of treatment episodes.
- Facilitating strategic health care planning and quantifying resource requirements.
- Studying the epidemiology of critical illness in children.

Since data collection commenced in 2002, one of the main aims of PICANet has been to provide a national database of paediatric intensive care activity of a consistently high quality, in order to help achieve the above objectives. With the addition of the Royal Belfast Hospital for Sick Children, PICANet covered all UK PICU admissions from April 2008 and the more recent inclusion of Our Ladies Children's Hospital, Crumlin and the proposed inclusion of Temple Street Children's University Hospital mean that PICANet will have international coverage. The expansion of the dataset to include the Paediatric Critical Care Minimum Dataset (PCCMDS) means that PICU activity can be assessed by level of care in the future. We hope that all units will be able to supply this data to PICANet in future for national comparisons. At the time of publication of this report, 23 PICUs representing 19 NHS Hospital Trusts in England and Wales are submitting PCCMDS data to PICANet.

The data collected allows comparisons of activity at a local level with nationwide benchmarks. A preliminary analysis of the PCCMDS data we have received is presented in [Chapter 24](#)

PICANet therefore provides an important evidence base on paediatric intensive care outcomes, processes and structures, permitting planning for future practice, research and interventions. PICANet is a resource available to clinicians and service providers, amongst others, and is being used for research, audit and commissioning ([Appendix D](#)). The provision of comprehensive, routinely available information to such parties is extremely important and is a powerful tool for supporting clinical governance. PICANet is also used to provide data to provide baseline information for clinical trials.

This year we have included a short piece written by Steve Dayman, chief executive of Meningitis UK, about children admitted to PIC with meningitis. We hope that we will continue to receive comments and opinions from parents of children (or the children themselves) admitted to PIC and other patient representatives to provide a wider and more inclusive perspective on the care delivered by the PIC service. We have also carried out a survey of the information available to patients and their families on the internet and in the individual PICUs and facilities for parents and carers on the PICU. This information is presented in



[Chapter 25](#). We are committed to expanding the involvement of patients and their families in future reports.

## **9 CHILDREN WITH MENINGITIS IN PAEDIATRIC INTENSIVE CARE**

“Of all the children who die from meningitis, I would say that 95 per cent die in intensive care. However, this isn’t because they don’t receive the care they’re entitled to.

These days Paediatric Intensive Care Units have all the expertise, knowledge and equipment for optimum treatment of a child suffering from meningitis.

The problem is that, very often, the disease hasn’t been identified as soon as it should be in the healthcare system. Because meningitis can kill in under four hours, the symptoms need to be spotted as soon as possible.

We hear heartbreaking stories of parents’ concerns being dismissed their GP, NHS helpline or accident and emergency doctors. This is the critical point for meningitis to be diagnosed.

In our opinion, the intensive care provision in this country is one of the best in the world. Parents often tell us that staff at the hospital did all they could and have no complaints about the care received.

At this stage, treatment – even in the best hands – often isn’t enough to save a life because the disease has caused irreversible damage”.

Steve Dayman, chief executive of Meningitis UK, lost his own son Spencer to the disease in 1982

## 10 A CLINICIAN'S COMMENTARY

This National Report, the sixth that PICANet has produced since its inception, is significant in that with the inclusion of data from Northern Ireland it is the very first to cover all of the United Kingdom. It also comes at a time when the National Health Service is facing the greatest potential pressure on its finances in a generation.

The changes in provision of intensive care for children in the United Kingdom that have taken place over the past 10 or so years since the publication of "A Framework for the Future" (1) and "A Bridge to the Future" (2) have occurred during a period of unprecedented growth in health resources and funding. Although the concept of regionalisation of paediatric intensive care has been accepted, major differences in workload exist between units both in terms of the numbers of children admitted and the levels of care provided. Similarly there are major differences in prevalence for admissions between SHAs that have persisted over the years of these reports that may relate to the structure of the service provided rather than clinical need per se. Certainly we have also not proceeded along the lines proposed by Frank Shann over 15 years ago of a smaller number of larger units (3), and although a number of units have grown to the size suggested by Shann, a number of much smaller paediatric intensive care units remain. However 2 simultaneous processes may change the current picture of provision quite dramatically over the next few years.

The first process is the continued development of the Paediatric Critical Care Minimum Dataset (PCCMDS). As stated in the section on the preliminary processing of daily activity data, the purpose of the PCCMDS is to provide the basis for funding via Payment by Results (PbR) through the establishment of Healthcare Resource Groups (HRGs). Even given the caveats applied to the data, the findings of huge variations in the level of intensive care activity delivered in different PICUs is not in itself so surprising, as it is also evident from the interventions received by NHS trust reported for 2006-2008 that there are major disparities between units even in terms of the percentage of children ventilated, let alone more complex procedures. If funding within England is to vary depending on the level of care provided to a child on a daily basis, it is possible that certain trusts may find it financially unviable to continue to provide their current level of service, and may even withdraw from paediatric intensive care altogether.

Given the marked variation in levels of care provided between units noted above, perhaps a more profound question is "What constitutes a paediatric intensive care unit?" The current distribution of units across the country is somewhat uneven, mainly historical and in large part is driven by the location of the services that require paediatric intensive care. This can be seen from the most 25 common primary reasons for admission, of which 8 of the top 17 are cardiac diagnoses, while 2 of the 25 are neonatal surgical disorders. However a recent report on the interdependency of paediatric subspecialties (4) highlights not only those services that require on-site paediatric intensive care but also those that are required by a paediatric intensive care unit. This document will in part feed into the second process that may alter the provision of paediatric intensive care, particularly in England and Wales, that of the designation of specialist services by healthcare commissioners, in concordance with the often stated aim of 'World Class Commissioning' within the NHS (5).

For paediatric intensive care, there is the distinct possibility that only designated services within England might receive payments for the higher (i.e. non-High Dependency) HRG levels. Even more profound effects on paediatric intensive care provision may also follow any rationalisation and reduction in the number of paediatric cardiac surgical and/or paediatric neurosurgical services, both of which are currently undergoing national designation reviews.

Of course, all of the above is to a great degree dependent on whether there is the will to see any of these changes through, and at a time of both financial and political uncertainty, nothing can be guaranteed. On that basis, more than ever the emphasis should be on the quality of what PICUs do, both clinical and non-clinical, and this PICANet report provides plenty of evidence of such practice throughout the paediatric intensive care community.

### Quality of Data

The quality of data provided to PICANet by individual units is of huge significance. The reinstitution of structured data validation visits since November 2007 is to be commended but from the evidence produced must be continued such that those reading these reports can have confidence in their findings. From the 22 visits performed over 18 months, it is encouraging to note that over half of all records reviewed had either 1 or no discrepancies on 24 recorded variables, whilst 95% of records had 5 or less discrepancies. Also the identification of systematic errors for individual units can only lead to an overall improvement in data quality, but one area of general concern remains the collection of physiologic variables for PIM2 scoring, particularly related to retrievals and timing of admission.

Similarly despite robust routine monitoring systems and regular communication with participating units, data completeness for PIM2 physiological variables remains less than ideal, particularly as this will affect the calculation of PIM2 and any subsequent adjustment of Standardised Mortality Rates for individual units. Encouragingly the completeness of data for NHS number, a crucial identifier, has shown an almost 10% improvement over the past 3 years, unlike 30-day follow-up data which still shows huge variation between units. This may be due to individual organisational or staffing issues but the hope remains that with the recent changes in collating data related to the deaths of all children across the UK for CEMACH through the Child Death Review process, it may also be possible to improve data completeness for this national standard of patient care outcome.

### Quality of clinical care

Markers of overall quality of care and outcome for Paediatric Intensive Care remain hard to collate with mortality much easier to collect but a fairly poor arbiter of performance as overall mortality rates are relatively low. Despite this, the adjusted funnel plots for Standardised Mortality Rate by NHS trust do demonstrate a year-on-year trend of fewer units having an SMR above 1 that not only signifies the need to recalibrate PIM, but also a probable improvement in overall outcome during this time. However morbidity data, such as ventilator-associated pneumonia (VAP) and central venous line infection rates, both truer reflections of quality of care, remains unrecorded within PICANet and would appear to be a necessary development for the future.

In terms of retrievals, over 75% are now performed by specialist PICU teams, with less than 10% performed by non-specialist teams. Although it may be appropriate for this to occur in certain emergency situations e.g. those children requiring emergency specialised surgery, that does not appear to be the case from the breakdown by diagnostic group, with a couple of units having particularly high numbers of non-specialist retrievals. This remains an area of concern.

The East-West split across England and Wales in terms of the percentage of children receiving invasive ventilation within PICU has already been alluded to, whilst there is a reciprocal finding for the prevalence in admission that would seem to imply that there are not huge geographical variations in the prevalence rates of children requiring higher levels of intensive care, but that some units provide a much greater amount of high dependency care than others. This may also explain the relative “hot spots” around a number of units seen in

the prevalence for admission by primary care organisation across England and Wales, although issues of urban social deprivation and ethnicity may also be having an effect.

At the same time there are major variations in the provision of intensive care for individuals aged 16 or over within PICUs, with a few units taking some markedly older patients. How the current provision of intensive care for individuals aged 16 to 19 years of age sits with the strategy for children's and young people's health (6) remains a thorny issue and one that is only likely to be resolved at a local level.

### Quality of "supportive care" for families

Within this report, there is a hugely significant chapter on what might be best described as "supportive care" for families in terms of facilities and information provided by units. Often this hidden area has a greater impact on how families remember the stay of their child on intensive care than any of the other quality indicators that more usually interest clinicians. Whilst the provision of information and allocation of named staff is generally good but does vary to some degree, it is interesting to note that less than 50% of units allow parents to be present on the unit during ward rounds, mostly amongst the smaller units.

All units provide overnight parent accommodation, but it is generally in high demand and accessing it is not without its difficulties. Likewise a significant proportion of units do not have 24-hour parental access to food or drink either within the hospital or unit, and amongst those that do this may actually just constitute vending machines out-of-hours. One of the most frequent complaints from parents relates to car parking and for the many units situated in city centres this can be particularly problematic.

There is notable variation between units in terms of availability of specialist staff, although encouragingly almost all have access to interpreters, psychologists and play therapists. Similarly there is marked variation in the information for families available on the internet regarding individual units, with larger units tending to do better, with the notable exception of car parking information!

This data collection is a first step for PICANet for which it is to be congratulated, but further progress is still needed in determining family-derived quality standards of care.

### Winter pressures

So having covered a number of areas of quality, it is time to return to the issue of quantity and availability of paediatric intensive care, especially as we look forward to a winter when we can expect the usual infant RSV epidemic and face the potential fall-out of the H1N1 influenza pandemic. Within this report we can see that the winter variation in infant respiratory admissions to PICU is also seen in the admission pattern of infants and children to general / adult intensive care units. Meanwhile the seasonal rise in the monthly bed census and activity raises the question of "How close are we to capacity?" It is hoped that within future developments for PICANet we can monitor bed availability, refused admissions / retrievals, and out-of-region transfers to try to fully grasp the situation during what is likely to be a very challenging time for all concerned. It will be very interesting to look back in a year's time to see how well the system coped - or not!

Dr Peter Davis

Consultant Paediatric Intensivist

Director/Clinical Lead Paediatric Critical Care Bristol Royal Hospital for Children

## 10.1 References

1. A Framework for the Future. Report from the National Coordinating Group on Paediatric Intensive Care to the Chief Executive of the NHS Executive. DH, London, 1997
2. A Bridge to the Future. Nursing Standards, Education and Workforce Planning in Paediatric Intensive Care Report to the Chief Nursing Officer's Taskforce. DH, London, 1997.
3. Shann F. Australian view of paediatric intensive care in Britain. *Lancet* 1993; **342**: 68
4. Commissioning safe and sustainable specialised paediatric services: A framework of critical-interdependencies. DH, London, 2008
5. Securing better health for children and young people through world class commissioning: A guide to support delivery of Healthy Lives, brighter futures: The strategy for children and young people's health. DH, London, 2009.
6. Healthy Lives, brighter futures: The strategy for children and young people's health. DH, London, 2009

## **11 THE PICANet DATASET**

### **11.1 Development and description of the current dataset**

The PICANet dataset was established in consultation with members of the PICANet CAG, representing the paediatric intensive care community, and the Department of Health. The overriding criteria for inclusion of specific variables were that they provided key information on activity, case mix, demographics and outcome at a national and local level, that they were feasible to collect and that the wider paediatric intensive care community supported their inclusion in the national database. The current PICANet dataset consists of 137 variables (including five address elements, the option for a second family name and 6 optional variables). These variables and their definitions are given in the PICANet Dataset Definitions Manual, obtainable from <http://www.picanet.org.uk/>. The data collection form is included in [Appendix E](#). The dataset was expanded in summer 2007 when the PICANet software was enabled to collect the Paediatric Critical Care Minimum Dataset. A [glossary](#) of terms used in this report is given at the back of the appendices.

### **11.2 The Paediatric Critical Care Minimum Dataset**

The Paediatric Critical Care Minimum Dataset (PCCMDS) was developed by the Information Centre for health and social care (IC) under the guidance of the Paediatric Critical Care Expert Working Group (PCCEWG) and was issued as an NHS dataset change notice (DSCN) in January 2007. The PCCMDS was developed to support the new Paediatric Critical Care Healthcare Resource Groups (HRGs) and Payment by Results (PbR). This dataset has many common elements with the PICANet dataset but collects information on interventions and treatment on a daily basis as opposed to an episode summary. This dataset has been mandated from October 2007.

With the support of the CAG, PICANet agreed to enable collection of the PCCMDS using its software. The current intervention fields are populated using the new data items. This will ensure comparability with historical PICANet data and reduces duplication of data collection effort. PICANet is now receiving more detailed information on daily activity which will provide better information for clinical audit and commissioning. The software also enables PICUs to export the PCCMDS for processing by their trust to enable accurate returns for PbR. PICANet is not responsible for completing data returns for PbR from the central database.

### **11.3 Retrievals dataset**

PICANet has not collected detailed information on retrievals of critically ill children in the past, concentrating on their experience in PICU. With the support of PICANet, the Clinical Advisory Group and the Paediatric Intensive Care Society, Dr Allan Wardhaugh has developed detailed proposals for a dataset that will capture information on this important sub-population of children during the retrieval process. The implementation will start to be rolled out across PICANet on a unit by unit basis as part of a change to a web-based data collection system that will allow more interactive access of local and national data.

### **11.4 Data collection and validation**

PICANet has developed a paper data collection form and bespoke data entry software to enable a consistent national dataset to be assembled. Those units who use their own or commercial data collection software have been provided with an export file specification to enable data to be imported by the PICANet software. Training and dissemination days have taken place at the Universities of Leeds and Leicester to familiarise data entry staff with data definitions, data collection issues and software. *Ad hoc* training is also provided by the



PICANet team for new staff concerned with data collection and entry. Validation visits to individual PICUS are carried out by the PICANet research nurse to ensure data is accurately transcribed from medical notes.

The PICANet software performs internal logical consistency and range checks as data are entered and provides an on-screen summary of outstanding validation checks on the completion of a record. Units importing data from their own databases are provided with an import log, detailing which records have been imported and any outstanding validation issues. Central validation and data quality issues are dealt with in the section on data quality.

### **11.5 Clinical coding**

Clinical diagnoses and procedures are coded using Clinical Terms 3 (The Read Codes) referred to as CT3. CT3 encompasses a huge range of diagnostic, procedural and context-dependent clinical codes designed to reflect all aspects of clinical care in the population in general. The long-term strategy of the NHS is to use SNOMED CT® for clinical coding of diagnostic information (see <http://www.connectingforhealth.nhs.uk/> for further details). PICANet will migrate to SNOMED CT® when the appropriate support architecture is in place but will continue to use CT3 in the meantime. There are plans to develop a SNOMED subset for PICU, an initiative supported by Connecting for Health. This issue is being taken forward by representatives of the Paediatric Intensive Care Society Study Group Health Informatics Group, with the support of PICANet.

### **11.6 Confidentiality**

PICANet collects patient identifiable information including name, address, date of birth and NHS number. With this information, PICANet can identify multiple admissions for the same individual, making the dataset person and episode-based. Personally identifiable information held by PICANet has been linked with death registration details, obtained from the Office for National Statistics (ONS), to assess long-term mortality in children admitted to paediatric intensive care. National census and other geographical data have been linked with validated postcodes of individual children to enable PICANet to assess the association between social class, population density and other geo-demographic and environmental information and paediatric intensive care admissions.

To comply with the provisions of the Data Protection Act, 1998, PICANet has implemented stringent confidentiality and data protection arrangements. The Patient Information Advisory Group – PIAG (since January 2009 this has been replaced by The National Information Governance Board for Health and Social Care -NIGB) granted PICANet exemption from gaining signed parental consent under Section 60 of the Health and Social Care Act, 2001. This class support enables PICANet to collect and process patient identifiable information for the purpose of auditing, monitoring and analysing patient treatments, to ensure that adequate and appropriate paediatric intensive care services are available for all children admitted for paediatric intensive care. Exemption was given under specified conditions in December 2002 and was due for review in June 2010.

Posters providing information about PICANet are displayed in PICUs, and information leaflets for parents / guardians and children are available (see [Appendix F](#) for a copy of the information leaflet).

## **11.7 Data transmission**

The PICANet data entry software includes the facility to transmit data electronically via the NHS intranet if local IT infrastructure can be configured appropriately. The data are first encrypted using public key encryption and then placed on the server. The uploaded data is regularly moved to a secure holding area, decrypted and uploaded onto the central server database.

Where local IT departments have been unable or unwilling to configure their systems and firewalls to allow electronic transfer, the data is encrypted and placed in a local folder and then sent as an email attachment.

## **12 DATASET DEFINITIONS FOR THIS REPORT**

- 1 This report covers the three year period January 2006 - December 2008. During this time, there were 47,125 admissions to participating PICUs.
- 2 There are 28 participating NHS trusts (located in England, Wales and Scotland, Northern Ireland), 25 of whom collected data for the entire reporting period. Barts and the London, NHS Greater Glasgow and Clyde and The Royal Group of Hospitals and Dental Hospitals HSS Trust (Belfast), did not contribute data for the whole period.
- 3 Trusts are identified in this report, with agreement from all participating trusts' Chief Executives.
- 4 A key enabling identification of each trust can be found on the inside cover.
- 5 The main focus of this report are admissions aged 0 - 15 years of which there were a total of 45,996 over the three year period. In addition there were 1129 admissions aged 16 years and above.
- 6 Unless stated otherwise, the proportions in tables throughout the report are row percentages, except in the total column where they are column percentages.
- 7 'Unknown' includes cases where the unit have specifically recorded 'not known' and also cases where a required value has been left blank.

### **13 DESCRIPTION OF TABLES AND FIGURES**

A brief description of the data contained in the tables and figures is given below, together with hyperlinks to the beginning of each section. In the .pdf version of this report, the hyperlink will bring you to the first page of the section. 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. These are all downloadable for use by individuals and organisations but please acknowledge the source of this data as indicated on the inside of the front cover. In some cases, individual figures are not described separately, as they clearly relate to the data in the tables on the same worksheet.

The PICANet dataset is dynamic and updated regularly. This means that overall admission figures have changed for 2006 and 2007 since the publication of the fifth national report. The data in this report are those supplied to PICANet up to June 24<sup>th</sup>, 2009 when the dataset was frozen.

## 14 ADMISSION DATA

### 14.1 Admission numbers by age, sex, month and year of admission, NHS trust and diagnostic group

Tables 1 – 9 give numbers of admissions by age, sex, month of admission, NHS trust and diagnostic group. The primary diagnosis for the whole admission has been categorised into 13 diagnostic groups to enable a simple comparison between NHS trusts. The classification is based on CT3 (The Read Codes). Within these mutually exclusive thirteen groups:

- 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.

Read codes are five characters in length and can be made up of numbers, letters, or periods. The ordering of the individual characters does not indicate the hierarchy (e.g. patent ductus arteriosus (P70..) is a subset of congenital abnormality of ductus arteriosus (Xa6aC)). Table 8 and figure 8 focus on admissions for respiratory conditions by year and month.

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

Table 10 gives numbers of admissions by SHA / HB. These were obtained by linking the validated home address of children admitted to PICU to SHA / HB via the National Statistics Postcode Directory (NSPD) (<http://www.statistics.gov.uk/geography/nspd.asp>). These tables present column percentages. Of the total number of admissions 97.7% had addresses which were validated. The remaining 2.3% included foreign addresses (1.9%) and missing addresses (0.4%). Figure 10 shows the SHA / HB boundaries overlaid by the primary care structure.

### 14.3 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 2 (PIM2)<sup>1</sup>. 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)<sup>2</sup> for comparability.

### 14.4 Admissions by admission type

Tables 12 – 15 present numbers by admission type overall and by trust and year and a breakdown of the source of admission and care area admitted from by trust and year for emergency admissions (see below).

We have used the following definitions for type of admission:

- 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'.

## 14.5 Admissions by primary diagnostic group

Tables 16 – 22 present a breakdown of admissions by diagnostic group, overall, by trust and year and further by trust and year for each of the admission types listed above.

Tables 23 – 25 present the twenty most common Read Codes returned to PICANet for primary reason for admissions overall (these represent 16,878 (37%) of all admissions) and for unplanned admissions (after surgery and 'other') by sex without any attempt to group them further.

PICANet has not imposed an arbitrary grouping of codes but present the raw data for the top 20 codes. The level of precision in the coding method makes interpretation of these data difficult without some form of aggregation. However, PICANet has allowed the flexibility to code very specifically to enable prospective audit to focus on particular conditions; for example, respiratory syncytial virus (RSV) positive bronchiolitis. Some units have chosen to code diagnoses in more detail to allow them to use this information locally, others have coded a single diagnosis at a general level. For most reporting purposes, the broad diagnostic groups used in this report are sufficient. Further disaggregation is not always possible due to the variation in coding practice between individual units.

## 14.6 References

- 1) Shann F, Slater A, Pearson G. PIM 2: a revised version of the Paediatric Index of mortality. *Intensive Care Med* 2003; 29:278-285.
- 2) Australian and New Zealand Intensive Care Society. Report of the Australian and New Zealand Paediatric Intensive Care Registry 2007. ISBN: 1 876980 69 9 [Online] [Accessed 19/06/2009] Available from the World Wide Web at <http://www.anzics.com.au/uploads/2007ANZPICRAnnualReport.pdf>

## 15 RETRIEVAL DATA

Tables 26 – 28 present retrieval data by team type and age, by diagnostic group for nonspecialist team retrievals (see below) and by team type and trust.

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

- '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).

In the majority of PICUs, doctors and nurses who work on the unit undertake retrieval of critically ill children. 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 PICANet, any child retrieved by CATS into a PICU at GOSH is recorded as 'other specialist team (PICU)'. The South Thames retrieval team is based at Evelina Children's Hospital and is staffed by doctors and nurses from within the PICU. For PICANet, any child retrieved by the South Thames team into the PICU at Evelina Children's Hospital is classed as 'own team'.

The Central Manchester and Manchester Children's University Hospitals NHS Trust has two sister hospitals (Booth Hall and the Royal Manchester Children's Hospital). For local reporting reasons, hospital transfers between the two hospitals are classed as internal admissions (admissions from the 'same hospital') but as the hospitals are 6 miles apart, any transfer requires a 'retrieval' by ambulance and crew.



## 16 INTERVENTION DATA

Tables 29 – 31 present summary data relating to interventions carried out on PICU. Most of the interventions described are available in all PICUs, although a few specialist interventions (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. Note that table 30 contains aggregated data for 2006 – 2008.

Length of ventilation was calculated in whole days. Any ventilation during the period 00:00 to 23:59 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). Intubation and extubation times are not recorded in the PICANet dataset.

Figures 31a – 31b map the percentage of children receiving invasive ventilation by SHA / HB and by PCO for 2006 to 2008. The proportion of children invasively ventilated has been used as a very rough proxy for level of care.

## 17 BED ACTIVITY AND LENGTH OF STAY

Tables 32 – 33 present data on total bed days delivered by age and sex overall and by age by trust. The total number of bed days delivered is calculated as the sum of children receiving intensive care in a PICU each day. 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 we describe 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 the 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. Children admitted prior to the report period, but discharged during it, are counted from 00:00 on 1 January 2006 until their discharge (or until 24:00 on 31 December 2008 if not discharged). Children admitted during the report period but discharged in 2009 (or who are still on the PICU) are counted from their admission date until 24:00 on 31 December 2008.

The number of bed days, bed census, bed activity and length of stay data are summarised by median and interquartile range (IQR). Median daily bed census figures and daily bed activity are plotted using a box and whisker graph by month and year, and by NHS trust. 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.

## 18 OUTCOME DATA

PICU mortality data are described in terms of unit discharge status by age and sex for England, Wales and Scotland combined, and by trust in [tables 41 – 45](#) and also using unadjusted and risk-adjusted standardized mortality ratios (SMRs). [Table 46](#) describes the discharge destination of children discharged alive from PICU. 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. In addition, risk-adjusted SMRs are calculated by dividing the expected number of deaths predicted by PIM2<sup>1</sup> by the observed number of deaths in each trust.

Unadjusted and risk-adjusted SMRs are presented by trust and year for 2006, 2007, 2008 and combined years in [tables 47 – 49](#). PICU mortality funnel plots for the same periods are presented in [figures 47a – 50b](#) to provide a visual means of comparing unadjusted and adjusted SMRs between trusts, without imposing the ranking observed in league tables.

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 unusual excess 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. 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 unit falling outside the control limits, then the upper and lower control limits constructed at an individual unit level must represent not 95% confidence intervals, but 99.9% confidence intervals around a mortality ratio of one by number of admissions.<sup>2</sup> This is analogous to increasing the confidence interval (or significance level) when correcting for multiple comparisons in data containing numerous groups. This means that 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.

In [figure 50c](#), risk-adjusted SMRs by SHA / HB have been produced by allocating children to the SHA / HB in which they were living based on their 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](#) present 30-day follow-up data by age, sex and trust.

### 18.1 References

- 1) Shann F, Slater A, Pearson G. PIM 2: a revised version of the Paediatric Index of mortality. *Intensive Care Med* 2003; 29:278-285
- 2) Spiegelhalter D. Funnel plots for institutional comparison. *Quality and Safety in Health Care* 2002;11(4):390-391.

## 19 DATA ON INDIVIDUAL CHILDREN

In all other chapters of this report, PICU activity is presented for episodes of care or admissions. This chapter describes activity related to 34,168 individual patients representing the 45,996 admissions (0 - 15 years) during 2006 – 2008.

Firstly, [Table 56](#) summarises admissions by the source of their previous admission (same or other trust or single admission only). [Table 57](#) reports the number of children having repeat admissions by trust and [Table 58](#) the number of children admitted by diagnostic group. [Table 59](#) summarises the number of children admitted by diagnostic group either once to a single trust, more than once to the same trust or more than once to more than 1 trust.

## 20 PREVALENCE FOR ADMISSION

Age and sex specific prevalence for admission to PICUs in England and Wales has been calculated with 95% Poisson confidence intervals using 2007 mid year population estimates produced by the Office for National Statistics ([table 60](#)). Age-sex standardised prevalence for the childhood population (less than 16 years) by SHA / HB has been calculated ([table 61](#)). This is mapped in [figure 61a](#).

Children were allocated to an SHA / HB using their residential address at admission. Addresses were validated using AFD Postcode Plus address validation software to obtain a correct postcode. Using the National Statistics Postcode Directory (<http://www.statistics.gov.uk/geography/nspd.asp>), postcodes were then linked to SHA/HB.

We have also presented age-sex standardised prevalence by PCO in [figure 61b](#).

Prevalence for Scotland is not presented as PICA Net only has data from the PICUs in Edinburgh and Glasgow for part of the reporting period.

- 1) Office for National Statistics. Mid year population estimates for England and Wales. [Online] [Accessed May 2009] Available on the world wide web at <<http://www.statistics.gov.uk/statbase/Product.asp?vlnk=15106>>.
- 2) AFD Refiner Q.2/08. AFD Software Ltd, Lough House, Approach Road, Ramsey, ISLE OF MAN, IM8 1RG, UK, 2008.

## **21 CHILDREN RECEIVING CARE IN ADULT INTENSIVE CARE UNITS**

Data on children (under 16 years) treated in adult intensive care units (AICUs), including age in months, sex, date of admission and discharge, outcome and discharge location and admission diagnosis, were provided by the Intensive Care National Audit & Research Centre (ICNARC) and the South West Audit of Critically Ill Children (SWACIC). These data are summarised in [tables 62 – 67](#). Analysis is restricted to 2005-2007. ICNARC received data from over 75% of AICUs in England, Wales and Northern Ireland in 2007.

Signed consent was obtained from the unit director of each AICU. ICNARC was able to release data from more AICUs in 2007 and 2006 than in 2005. One AICU providing data to SWACIC did not give explicit permission for PICANet to receive their data.

## 22 DATA QUALITY

Data quality continues to be of paramount importance to PICANet and is essential in order to maintain the high standards expected by the paediatric intensive care community. Considerable effort is being made by both PICU staff and the PICANet team to ensure that the highest standards of data quality are maintained, particularly with respect to completeness and accuracy.

Of parallel importance is the timely submission of data because all reporting of audit, research and development in this report is reliant on units providing high quality data regularly. The importance of this now extends further because the PICANet reports are used by clinicians, primary care trusts and commissioners and as a consequence units are likely to be increasingly required to meet data collection, submission and quality standards as part of local service level agreements.

In this the sixth national report PICANet highlight improvements in data quality as a consequence of the continued efforts of the staff in the individual units, who collect and submit the data.

The data quality assurance processes undertaken by PICANet are incorporated into two main processes, the validation visits undertaken by a member of the PICANet team and the routine data quality assurance processes applied at the point of data entry and centrally, following receipt of unit data.

Full details of the PICANet data quality control and assurance processes are provided in the [PICANet National Report 2003 - 2004](#).

### 22.1 Unit Validation Visits

In November 2007 structured data validation visits to the units were recommenced. The PICANet research nurse has visited individual units to review a sample of records and to cross check that the data submitted to PICANet; corresponded to that data held on the unit's paper records and clinical information systems. In 2009 two visits to Pan-Thames units have been made jointly with the Pan-Thames Co-ordinator. These visits enable data quality to be assessed in a similar way to CCAD ([www.ccad.org.uk](http://www.ccad.org.uk)).

Twenty validation visits have been carried out by a single observer and two jointly, during the period November 07 to May 09. At each visit the units are asked to provide 10 sets of notes for consecutive admissions before a specified date, 3 months prior to the visit. One unit uses a bedside monitoring system linked to a 'paperless' patient record system therefore all feasible validation checks were undertaken. Ideally 100% of the records selected should be made available but [Table DQ1](#) shows that a range of 5-11 sets of notes were provided for review during this series of visits.

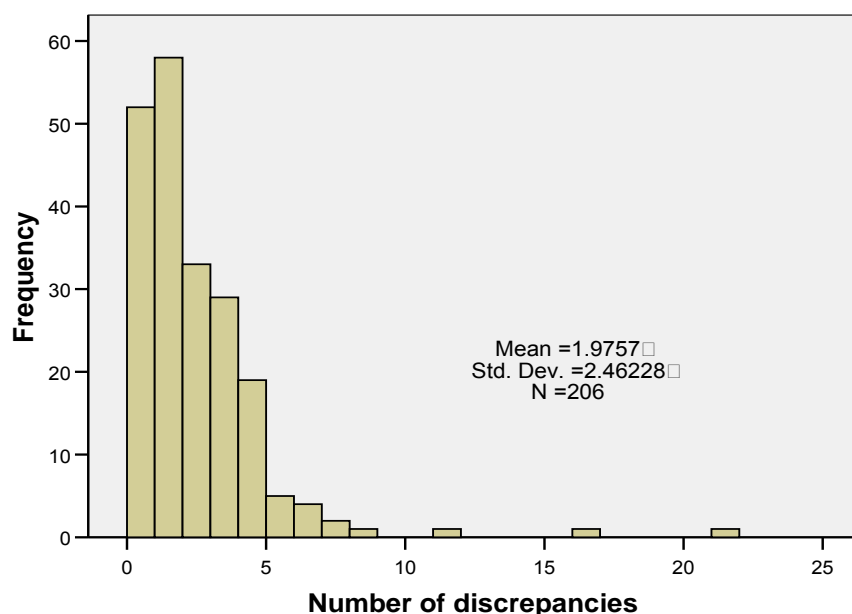


**Table DQ1 Number of case-notes reviewed, visit date and number of discrepancies noted during validation visits performed November 2007- May 2009.**

Date visited Month Year		PICU ID	No. of sets of notes	No. of discrepancies
<b>Nov</b>	<b>2007</b>	6	5	12
<b>Nov</b>		8	7	11
<b>Dec</b>		27	10	10
<b>Jan</b>	<b>2008</b>	29	9	15
<b>Feb</b>		5	10	16
<b>Mar</b>		23	10	26
<b>Apr</b>		26	11	20
<b>Apr</b>		25	11	2
<b>May</b>		24	9	13
<b>Jun</b>		10	8	12
<b>Jun</b>		1	10	20
<b>Aug</b>		3	10	17
<b>Sep</b>		33	10	27
<b>Sep</b>		31	10	20
<b>Sep</b>		9	8	11
<b>Oct</b>		20	10	16
<b>Nov</b>		21	11	26
<b>Nov</b>		22	9	48
<b>Dec</b>		18	10	14
<b>Apr</b>	<b>2009</b>	16	10	27
<b>Apr</b>		8	10	19
<b>May</b>		12	9	25

Twenty-four fields were examined for discrepancies between the case notes and the PICANet data collection forms and/or PICANet database ([Appendix G](#)). The total number of discrepancies found was 407 and the mean per episode (per set of case notes reviewed) 1.97 (range 0-22). As there were 24 fields checked this was an overall discrepancy rate of 8.2%. The number of discrepancies found during each visit is shown in Table DQ1.

**Figure DQ1 Number of discrepancies per set of case notes reviewed**



**Table DQ2 Number of discrepancies noted per set of case-notes reviewed**

Number of Discrepancies	Frequency	Percent
0	52	25.2
1	58	28.2
2	33	16.0
3	29	14.1
4	19	9.2
5	5	2.4
6	4	1.9
7	2	1.0
8	1	0.5
11	1	0.5
16	1	0.5
22	1	0.5
<b>Total</b>	<b>206</b>	<b>100</b>

The validation visits enable an assessment of data accuracy to be carried out and assist with the detection of systematic errors. In total 206 sets of notes have been reviewed on the day of the visits. The number of discrepancies found per episode (set of case notes reviewed) is shown in Figure DQ1. In Table DQ2 it can be seen that no differences were found in around 25% of the case notes reviewed. For one set of case notes presented, 22 discrepancies/missing items were noted because data had not been entered onto the PICANet data collection form.

Sources of error were most notable in physiology variables associated with the Paediatric Index of Mortality 2 (PIM2), the number of days of ventilation and whether or not the child had a previous ICU admission (during the current hospital stay). Systematic errors were identified in some units using their own clinical information systems; awareness of the

problem has facilitated the necessary changes to allow the correct data to be extracted and imported to the PICANet software.

Most discrepancies (208), involved data items used to calculate PIM2, especially systolic blood pressure, PaO<sub>2</sub> and base excess which, together account for 34% those found. Many of these discrepancies are due to earlier values being found on review of the retrieval notes, compared with the value submitted to PICANet. PIM2 records the first value measured and recorded within the period, from the time of first contact with the PICU unit doctor to one hour after admission to PICU. It is frequently found that there are differences in the recorded time of admission. Within the PICU recorded times may vary between nursing, medical, retrieval documentation and the unit admission book presenting difficulties in identifying the true value.

The collection of the Paediatric Critical Care Minimum Data Set was being introduced by units during the time period of these visits therefore only the variable for the days of ventilation (invasive and non-invasive), which have been a continuous part of the PICANet dataset, were counted. Review has shown notable undercounting of days of ventilation; the PCCMDS record counts 1 day of ventilation (invasive or non-invasive) if the admission received ventilatory support at any time during the 24 hour period from 00:00 to 23:59.

Relevant findings from the validation process are discussed with PICU staff at the time of the visit and a written report enables the unit to subsequently examine the findings.

## 22.2 Data quality assurance processes

In this section we review the quality of PICANet data in the reported period 2006 – 2008 by unit and trust level. Data quality is firstly reported in terms of overall data completeness within the PICANet dataset with a focus on Paediatric Index Mortality 2 (PIM2) variables, 30 day follow-up data and NHS Numbers).

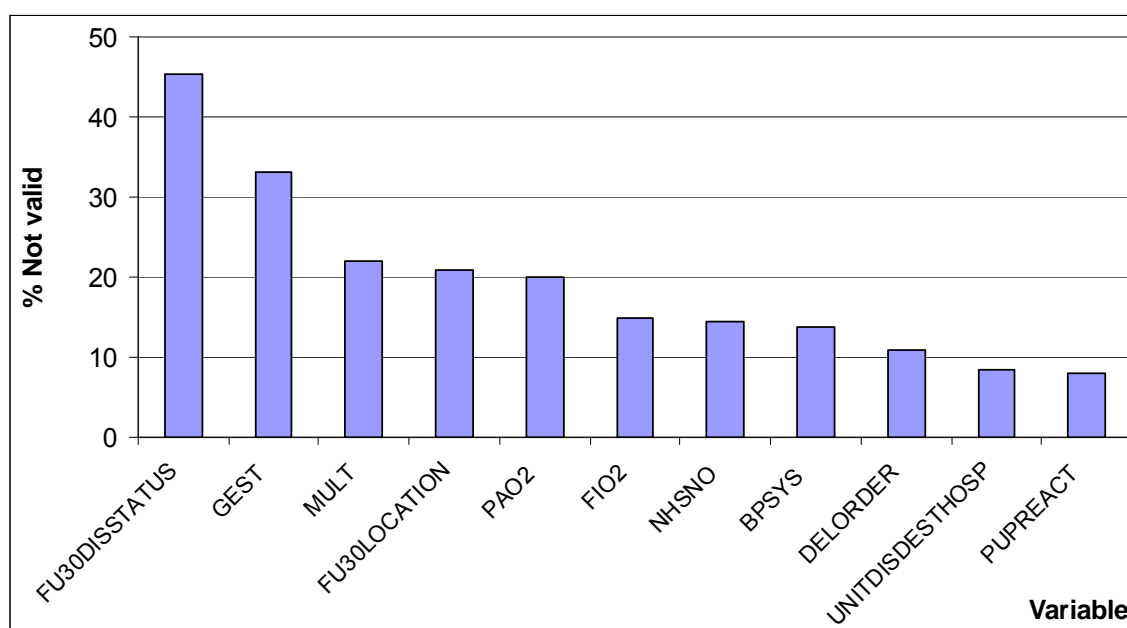
PICANet routinely monitors data quality at different levels of the PICANet process.

1. Internal logical, consistency and range checks are carried out at input by the PICANet software with an on-screen summary of outstanding validation checks on completion of a record. Units importing data from their own databases or commercial software are provided with an import log detailing which records have been imported and outstanding validation issues.
2. Data transmitted to the PICANet central server in Leeds are subject to a series of additional validation checks (including address and postcode validation and clinical coding verification). Data validation reports (DVRs) are returned via email ([Appendix H](#)).
3. Units are provided with monthly admission reports ([Appendix I](#)) and asked to cross check these with local patient registers (e.g. unit admission book).
4. Units are provided with data status reports ([Appendix J](#)) which highlight particular dimensions of data quality that require attention, these include the number of missing values returned.

The completeness for all data items collected by PICANet are given in [Table DQ3](#), showing a 96.3% completeness level of the data items. [Table DQ4](#) details the completeness of the data by month by year for the last 3 years, while [Table DQ5](#) provides a breakdown by individual unit for the combined 3 years. The PICANet dataset contains 4.2% of exception values (i.e. data collected as 'not recorded' or 'not known') and with 0.5% left blank.

[Figure DQ2](#) highlights eleven data items found to have the largest number of invalid, exception or blank values (variables <95% complete). The variables PAO<sub>2</sub>, FIO<sub>2</sub>, systolic BP and pupil reaction were also highlighted as frequent errors during the validation visits; they are all Paediatric Index Mortality 2 PIM2 variables and therefore the accurate recording of these variables is most important for the calculation of the PIM2 score for individual units. However, overall data completeness has increased marginally from last year's report.

**Figure DQ2 Percentage of invalid, exception and blank values in the PICANet dataset.**



Thirty-day follow-up data collection remains the most poorly recorded variable in the PICANet data set. 30 day follow-up status is a standard patient care outcome measure used across the NHS; although this follow-up data is 99.2% complete, 44.7% of this data is recorded as 'not known'. In many cases this is because units do not have the facility or staff time to follow up patient outcome following discharge from the PICU. The distribution of 30 day follow-up data collection across PICANet units is detailed in figure DQ3.

**Figure DQ3 Data completeness for 30-day follow-up information**

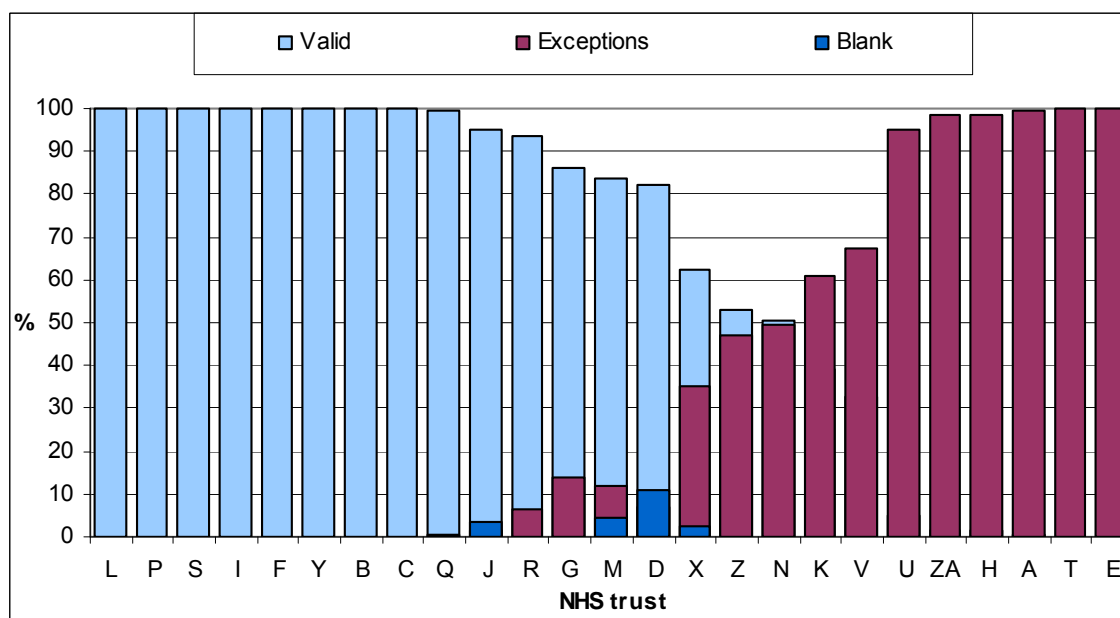


Table DQ3 Data completeness

FIELD	Eligible	Complete				Total n %	Incomplete				Total n %
		Valid n %	Exceptions n %	Invalid n %	Blank n %						
ADDATE	47129	47129 (100.0)	0 (0.0)	47129 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)		
ADDRESS1	47127	47089 (99.9)	0 (0.0)	47089 (99.9)	0 (0.0)	38 (0.1)	38 (0.1)				
ADNO	47129	47127 (100.0)	0 (0.0)	47127 (100.0)	0 (0.0)	2 (0.0)	2 (0.0)				
ADTIME	47129	47124 (100.0)	0 (0.0)	47124 (100.0)	0 (0.0)	5 (0.0)	5 (0.0)				
ADTYPE	47129	47077 (99.9)	41 (0.1)	47118 (100.0)	0 (0.0)	11 (0.0)	11 (0.0)				
APDIAG	47129	47129 (100.0)	0 (0.0)	47129 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)				
BASEEXCESS	32032	30585 (95.5)	1438 (4.5)	32023 (100.0)	0 (0.0)	9 (0.0)	9 (0.0)				
BGFIRSTHR	47129	46428 (98.5)	670 (1.4)	47098 (99.9)	0 (0.0)	31 (0.1)	31 (0.1)				
BPSYS	47129	40841 (86.7)	6226 (13.2)	47067 (99.9)	0 (0.0)	62 (0.1)	62 (0.1)				
CAREAREAAD	46682	45682 (97.9)	996 (2.1)	46678 (100.0)	0 (0.0)	4 (0.0)	4 (0.0)				
CASENO	47129	47129 (100.0)	0 (0.0)	47129 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)				
DEORDER	1656	1475 (89.1)	179 (10.8)	1654 (99.9)	0 (0.0)	2 (0.1)	2 (0.1)				
DISPALCARE	44822	44348 (98.9)	474 (1.1)	44822 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)				
DOB	47127	47126 (100.0)	0 (0.0)	47126 (100.0)	0 (0.0)	1 (0.0)	1 (0.0)				
DOBEST	47129	47129 (100.0)	0 (0.0)	47129 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)				
DOD	2763	2755 (99.7)	0 (0.0)	2755 (99.7)	0 (0.0)	8 (0.3)	8 (0.3)				
ECMO	47129	47040 (99.8)	61 (0.1)	47101 (99.9)	0 (0.0)	28 (0.1)	28 (0.1)				
ETHNIC	47129	47126 (100.0)	0 (0.0)	47126 (100.0)	0 (0.0)	3 (0.0)	3 (0.0)				
FAMILYNAME	47129	47125 (100.0)	0 (0.0)	47125 (100.0)	0 (0.0)	4 (0.0)	4 (0.0)				
FIO2	32032	27310 (85.3)	4713 (14.7)	32023 (100.0)	0 (0.0)	9 (0.0)	9 (0.0)				
FIRSTNAME	47129	47123 (100.0)	0 (0.0)	47123 (100.0)	0 (0.0)	6 (0.0)	6 (0.0)				
FU30DISSTATUS	43426	23668 (54.5)	19402 (44.7)	43070 (99.2)	0 (0.0)	356 (0.8)	356 (0.8)				
FU30LOCATION	23317	18370 (78.8)	4944 (21.2)	23314 (100.0)	0 (0.0)	3 (0.0)	3 (0.0)				
FU30LOCHOSP	3639	3528 (96.9)	108 (3.0)	3636 (99.9)	0 (0.0)	3 (0.1)	3 (0.1)				
GEST	26889	18093 (67.3)	8779 (32.6)	26872 (99.9)	0 (0.0)	17 (0.1)	17 (0.1)				
HEADBOX	32032	31444 (98.2)	581 (1.8)	32025 (100.0)	0 (0.0)	7 (0.0)	7 (0.0)				
ICPDEVICE	47129	46995 (99.7)	105 (0.2)	47100 (99.9)	0 (0.0)	29 (0.1)	29 (0.1)				
INTRACHEOSTOMY	47129	46920 (99.6)	173 (0.4)	47093 (99.9)	0 (0.0)	36 (0.1)	36 (0.1)				
INTUBATION	32032	31807 (99.3)	218 (0.7)	32025 (100.0)	0 (0.0)	7 (0.0)	7 (0.0)				
INTUBEVER	47129	47129 (100.0)	0 (0.0)	47129 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)				
INVVENT	47109	46923 (99.6)	173 (0.4)	47096 (100.0)	0 (0.0)	13 (0.0)	13 (0.0)				
INVVENTDAY	31516	31466 (99.8)	45 (0.1)	31511 (100.0)	0 (0.0)	5 (0.0)	5 (0.0)				
LVAD	47129	47029 (99.8)	72 (0.2)	47101 (99.9)	0 (0.0)	28 (0.1)	28 (0.1)				
MECHVENT	47129	46604 (98.9)	495 (1.1)	47099 (99.9)	0 (0.0)	30 (0.1)	30 (0.1)				
MEDHISTEVID	47129	46771 (99.2)	331 (0.7)	47102 (99.9)	0 (0.0)	27 (0.1)	27 (0.1)				
MULT	47129	36671 (77.8)	10433 (22.1)	47104 (99.9)	0 (0.0)	25 (0.1)	25 (0.1)				
NHSNO	47129	40284 (85.5)	1284 (2.7)	41568 (88.2)	0 (0.0)	5561 (11.8)	5561 (11.8)				
NONINVVENT	47129	46861 (99.4)	236 (0.5)	47097 (99.9)	0 (0.0)	32 (0.1)	32 (0.1)				
NONINVVENTDAY	6121	6113 (99.9)	8 (0.1)	6121 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)				
PAO2	32032	25649 (80.1)	6379 (19.9)	32028 (100.0)	0 (0.0)	4 (0.0)	4 (0.0)				
POSTCODE	47129	47083 (99.9)	0 (0.0)	47083 (99.9)	0 (0.0)	46 (0.1)	46 (0.1)				
PREVICUAD	47129	46448 (98.6)	669 (1.4)	47117 (100.0)	0 (0.0)	12 (0.0)	12 (0.0)				
PRIMDIAG	47129	47083 (99.9)	0 (0.0)	47083 (99.9)	0 (0.0)	46 (0.1)	46 (0.1)				
PRIMREASON	47129	46885 (99.5)	220 (0.5)	47105 (99.9)	0 (0.0)	24 (0.1)	24 (0.1)				
PUPREACT	47129	43328 (91.9)	3769 (8.0)	47097 (99.9)	0 (0.0)	32 (0.1)	32 (0.1)				
RENALSUPPORT	47129	47035 (99.8)	64 (0.1)	47099 (99.9)	0 (0.0)	30 (0.1)	30 (0.1)				
RETRIEVAL	47129	47014 (99.8)	106 (0.2)	47120 (100.0)	0 (0.0)	9 (0.0)	9 (0.0)				
RETRIEVALBY	15847	15744 (99.4)	103 (0.6)	15847 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)				
SEX	47129	47115 (100.0)	10 (0.0)	47125 (100.0)	1 (0.0)	3 (0.0)	4 (0.0)				
SOURCEAD	47129	47099 (99.9)	21 (0.0)	47120 (100.0)	0 (0.0)	9 (0.0)	9 (0.0)				
TIMEDTH	2283	2283 (100.0)	0 (0.0)	2283 (100.0)	0 (0.0)	0 (0.0)	0 (0.0)				
UNITDISDATE	47109	47102 (100.0)	0 (0.0)	47102 (100.0)	0 (0.0)	7 (0.0)	7 (0.0)				
UNITDISDEST	44822	44752 (99.8)	60 (0.1)	44812 (100.0)	0 (0.0)	10 (0.0)	10 (0.0)				
UNITDISDESTHOSP	43512	39759 (91.4)	3752 (8.6)	43511 (100.0)	0 (0.0)	1 (0.0)	1 (0.0)				
UNITDISSTATUS	47129	47105 (99.9)	4 (0.0)	47109 (100.0)	0 (0.0)	20 (0.0)	20 (0.0)				
UNITDISTIME	47109	47095 (100.0)	0 (0.0)	47095 (100.0)	0 (0.0)	14 (0.0)	14 (0.0)				
VASOACTIVE	47129	46935 (99.6)	163 (0.3)	47098 (99.9)	0 (0.0)	31 (0.1)	31 (0.1)				
Total	2288293	2204087 (96.3)	77505 (3.4)	2281592 (99.7)	1 (0.0)	6700 (0.3)	6701 (0.3)				

**Table DQ4 Data completeness by year (all variables)**

Year	Month	Eligible	Completion									
			Complete				Total		Incomplete			
			Valid n	%	Exceptions n	%	n	%	Invalid n	%	Blank n	%
2006	1	65158	62499	(95.9)	2496	(3.8)	64995	(99.7)	0	(0.0)	163	(0.3)
	2	59208	56778	(95.9)	2289	(3.9)	59067	(99.8)	0	(0.0)	141	(0.2)
	3	63143	60672	(96.1)	2323	(3.7)	62995	(99.8)	0	(0.0)	148	(0.2)
	4	57556	55145	(95.8)	2252	(3.9)	57397	(99.7)	0	(0.0)	159	(0.3)
	5	60396	58062	(96.1)	2134	(3.5)	60196	(99.7)	0	(0.0)	200	(0.3)
	6	58010	55812	(96.2)	2025	(3.5)	57837	(99.7)	0	(0.0)	173	(0.3)
	7	56801	54679	(96.3)	1955	(3.4)	56634	(99.7)	0	(0.0)	167	(0.3)
	8	56108	53955	(96.2)	1990	(3.5)	55945	(99.7)	0	(0.0)	163	(0.3)
	9	55166	53064	(96.2)	1924	(3.5)	54988	(99.7)	0	(0.0)	178	(0.3)
	10	59905	57705	(96.3)	2042	(3.4)	59747	(99.7)	0	(0.0)	158	(0.3)
	11	62085	59833	(96.4)	2058	(3.3)	61891	(99.7)	0	(0.0)	194	(0.3)
	12	61139	58745	(96.1)	2178	(3.6)	60923	(99.6)	0	(0.0)	216	(0.4)
2006 Total		714675	686949	(96.1)	25666	(3.6)	712615	(99.7)	0	(0.0)	2060	(0.3)
2007	1	63397	61137	(96.4)	2108	(3.3)	63245	(99.8)	0	(0.0)	152	(0.2)
	2	57421	55341	(96.4)	1935	(3.4)	57276	(99.7)	0	(0.0)	145	(0.3)
	3	62787	60517	(96.4)	2135	(3.4)	62652	(99.8)	0	(0.0)	135	(0.2)
	4	62624	60373	(96.4)	2112	(3.4)	62485	(99.8)	0	(0.0)	139	(0.2)
	5	67438	65069	(96.5)	2228	(3.3)	67297	(99.8)	0	(0.0)	141	(0.2)
	6	63244	61008	(96.5)	2100	(3.3)	63108	(99.8)	0	(0.0)	136	(0.2)
	7	65461	63218	(96.6)	2092	(3.2)	65310	(99.8)	0	(0.0)	151	(0.2)
	8	64376	62197	(96.6)	2042	(3.2)	64239	(99.8)	0	(0.0)	137	(0.2)
	9	58912	56749	(96.3)	1990	(3.4)	58739	(99.7)	0	(0.0)	173	(0.3)
	10	69099	66809	(96.7)	2147	(3.1)	68956	(99.8)	0	(0.0)	143	(0.2)
	11	71450	68973	(96.5)	2307	(3.2)	71280	(99.8)	0	(0.0)	170	(0.2)
	12	68020	65443	(96.2)	2405	(3.5)	67848	(99.7)	0	(0.0)	172	(0.3)
2007 Total		774229	746834	(96.5)	25601	(3.3)	772435	(99.8)	0	(0.0)	1794	(0.2)
2008	1	71066	68579	(96.5)	2297	(3.2)	70876	(99.7)	0	(0.0)	190	(0.3)
	2	61048	58786	(96.3)	2047	(3.4)	60833	(99.6)	0	(0.0)	215	(0.4)
	3	65300	62918	(96.4)	2153	(3.3)	65071	(99.6)	0	(0.0)	229	(0.4)
	4	65328	62967	(96.4)	2133	(3.3)	65100	(99.7)	0	(0.0)	228	(0.3)
	5	65542	63182	(96.4)	2179	(3.3)	65361	(99.7)	0	(0.0)	181	(0.3)
	6	64751	62434	(96.4)	2124	(3.3)	64558	(99.7)	0	(0.0)	193	(0.3)
	7	67093	64758	(96.5)	2098	(3.1)	66856	(99.6)	0	(0.0)	237	(0.4)
	8	63859	61555	(96.4)	2053	(3.2)	63608	(99.6)	1	(0.0)	250	(0.4)
	9	63995	61597	(96.3)	2128	(3.3)	63725	(99.6)	0	(0.0)	270	(0.4)
	10	69815	67288	(96.4)	2266	(3.2)	69554	(99.6)	0	(0.0)	261	(0.4)
	11	69644	67100	(96.3)	2336	(3.4)	69436	(99.7)	0	(0.0)	208	(0.3)
	12	71948	69140	(96.1)	2424	(3.4)	71564	(99.5)	0	(0.0)	384	(0.5)
2008 Total		799389	770304	(96.4)	26238	(3.3)	796542	(99.6)	1	(0.0)	2846	(0.4)
Total		2288293	2204087	(96.3)	77505	(3.4)	2281592	(99.7)	1	(0.0)	6700	(0.3)

**Table DQ5 Date completeness by PICU**

SITEID	Eligible	Complete				Total		Incomplete				Total	
		Valid n	%	Exceptions n	%			Invalid n	%	Blank n	%		
1	166267	157622	(94.8)	8126	(4.9)	165748	(99.7)	0	(0.0)	519	(0.3)	519	(0.3)
2	31499	30479	(96.8)	991	(3.1)	31470	(99.9)	0	(0.0)	29	(0.1)	29	(0.1)
3	103746	96250	(92.8)	6719	(6.5)	102969	(99.3)	0	(0.0)	777	(0.7)	777	(0.7)
4	67254	62143	(92.4)	5111	(7.6)	67254	(100.0)	0	(0.0)	0	(0.0)	0	(0.0)
5	46933	46562	(99.2)	363	(0.8)	46925	(100.0)	0	(0.0)	8	(0.0)	8	(0.0)
6	130774	129462	(99.0)	1223	(0.9)	130685	(99.9)	0	(0.0)	89	(0.1)	89	(0.1)
8	59873	57583	(96.2)	1990	(3.3)	59573	(99.5)	0	(0.0)	300	(0.5)	300	(0.5)
9	52565	49394	(94.0)	3078	(5.9)	52472	(99.8)	0	(0.0)	93	(0.2)	93	(0.2)
10	165482	161705	(97.7)	3693	(2.2)	165398	(99.9)	0	(0.0)	84	(0.1)	84	(0.1)
11	229675	221862	(96.6)	6881	(3.0)	228743	(99.6)	0	(0.0)	932	(0.4)	932	(0.4)
12	171809	162597	(94.6)	7833	(4.6)	170430	(99.2)	1	(0.0)	1378	(0.8)	1379	(0.8)
13	47667	43550	(91.4)	3418	(7.2)	46968	(98.5)	0	(0.0)	699	(1.5)	699	(1.5)
14	95042	90801	(95.5)	3909	(4.1)	94710	(99.7)	0	(0.0)	332	(0.3)	332	(0.3)
15	63549	59827	(94.1)	3451	(5.4)	63278	(99.6)	0	(0.0)	271	(0.4)	271	(0.4)
16	52249	50249	(96.2)	1945	(3.7)	52194	(99.9)	0	(0.0)	55	(0.1)	55	(0.1)
17	15201	14578	(95.9)	491	(3.2)	15069	(99.1)	0	(0.0)	132	(0.9)	132	(0.9)
18	92744	90967	(98.1)	1509	(1.6)	92476	(99.7)	0	(0.0)	268	(0.3)	268	(0.3)
19	27722	26962	(97.3)	755	(2.7)	27717	(100.0)	0	(0.0)	5	(0.0)	5	(0.0)
20	43210	41806	(96.8)	1297	(3.0)	43103	(99.8)	0	(0.0)	107	(0.2)	107	(0.2)
21	51852	50052	(96.5)	1800	(3.5)	51852	(100.0)	0	(0.0)	0	(0.0)	0	(0.0)
22	42287	40823	(96.5)	1433	(3.4)	42256	(99.9)	0	(0.0)	31	(0.1)	31	(0.1)
23	55124	53442	(96.9)	1420	(2.6)	54862	(99.5)	0	(0.0)	262	(0.5)	262	(0.5)
24	44226	42931	(97.1)	1191	(2.7)	44122	(99.8)	0	(0.0)	104	(0.2)	104	(0.2)
25	12308	11940	(97.0)	354	(2.9)	12294	(99.9)	0	(0.0)	14	(0.1)	14	(0.1)
26	107679	106931	(99.3)	710	(0.7)	107641	(100.0)	0	(0.0)	38	(0.0)	38	(0.0)
27	49595	48809	(98.4)	737	(1.5)	49546	(99.9)	0	(0.0)	49	(0.1)	49	(0.1)
28	5462	5335	(97.7)	125	(2.3)	5460	(100.0)	0	(0.0)	2	(0.0)	2	(0.0)
29	70274	68028	(96.8)	2207	(3.1)	70235	(99.9)	0	(0.0)	39	(0.1)	39	(0.1)
31	67115	65806	(98.0)	1309	(2.0)	67115	(100.0)	0	(0.0)	0	(0.0)	0	(0.0)
32	35116	33551	(95.5)	1546	(4.4)	35097	(99.9)	0	(0.0)	19	(0.1)	19	(0.1)
33	75766	73887	(97.5)	1879	(2.5)	75766	(100.0)	0	(0.0)	0	(0.0)	0	(0.0)
34	8228	8153	(99.1)	11	(0.1)	8164	(99.2)	0	(0.0)	64	(0.8)	64	(0.8)

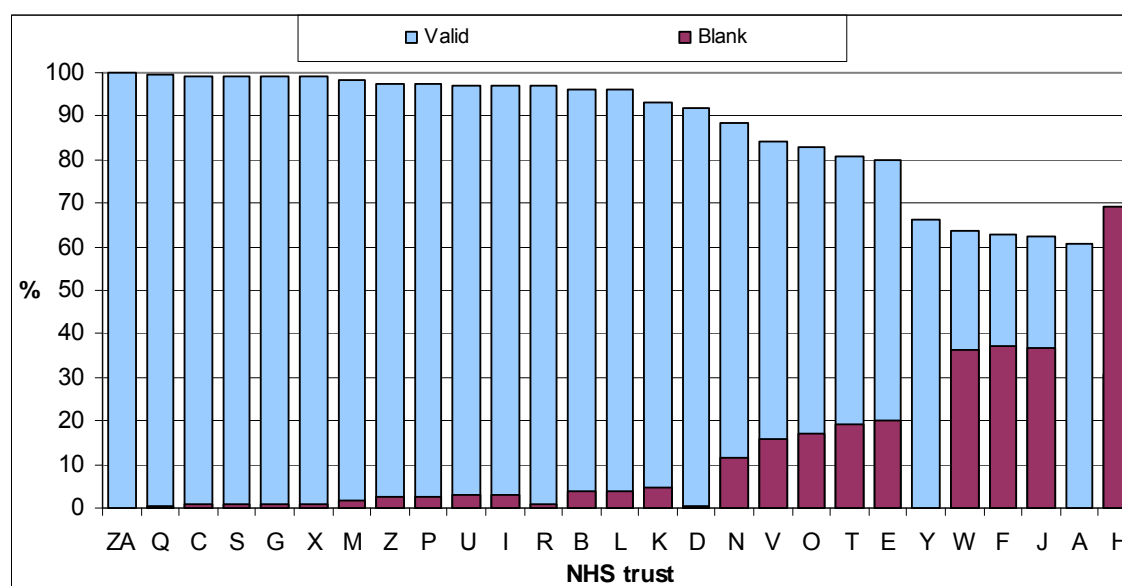
Whilst 30 day follow-up data collection remains poor the NHS Number recording levels have improved significantly over the last 3 years. [table DQ6](#) and [figure DQ4](#) detail the distribution of NHS number recording levels in the PICANet dataset.

The NHS number is a unique patient identifier that provides a common link between patient records across the NHS and is easily linked to the PICANet database. Substantial improvements in NHS number recording levels have occurred over the last three years in most units and overall NHS number recording levels in PICANet have increased from 80.9% in 2006 to 87.0% in 2007 to 88.1% in 2008.

**Table DQ6 Date completeness for NHS number by NHS Trust**

NHS trust	Eligible	Valid		Blank	
		n	%	n	%
A	1455	886	(60.9)	0	(0.0)
B	699	673	(96.3)	26	(3.7)
C	943	936	(99.3)	7	(0.7)
D	1909	1756	(92.0)	10	(0.5)
E	4716	3787	(80.3)	929	(19.7)
F	3501	2197	(62.8)	1304	(37.2)
G	112	111	(99.1)	1	(0.9)
H	1007	308	(30.6)	699	(69.4)
I	2682	2604	(97.1)	78	(2.9)
J	325	203	(62.5)	120	(36.9)
K	2847	2655	(93.3)	137	(4.8)
L	1047	1007	(96.2)	40	(3.8)
M	1134	1115	(98.3)	19	(1.7)
N	894	790	(88.4)	104	(11.6)
O	1909	1579	(82.7)	330	(17.3)
P	3354	3270	(97.5)	84	(2.5)
Q	1742	1731	(99.4)	7	(0.4)
R	2172	2107	(97.0)	20	(0.9)
S	586	581	(99.1)	5	(0.9)
T	1343	1086	(80.9)	257	(19.1)
U	1043	1013	(97.1)	30	(2.9)
V	3336	2817	(84.4)	519	(15.6)
W	2106	1337	(63.5)	769	(36.5)
X	2359	2334	(98.9)	25	(1.1)
Y	1376	910	(66.1)	0	(0.0)
Z	766	749	(97.8)	17	(2.2)
ZA	1598	1598	(100.0)	0	(0.0)
ZB	168	144	(85.7)	24	(14.3)

**Figure DQ4 Data completeness for NHS number**



In the absence of the NHS Number it is difficult to definitively link patients with additional datasets such as [Hospital Episode Statistics \(HES\)](#) data. The NHS number is a crucial identifier which will facilitate the long term follow-up and outcomes study of PICU patients, as well as effective aggregation of the PCCMDS data at trust level. Greater data collection demands continue to be placed on units, particularly with the advent of Payment by Results.

PICANet's continued efforts at providing units with regular feedback on data quality and the active involvement of PCTs in encouraging data collection and submission standards, through service level agreements, have had a marked impact on level of the recording of



NHS numbers. With increased emphasis on the need for outcomes measures there may be scope to consider a similar drive to improve the collection of the 30 day follow-up variable.

This chapter shows that the continued collaborative approach to data quality, shared between individual units and PICANet, enables the PICANet dataset to continue to be of the highest standard.

## 23 USES AND DISSEMINATION OF PICANet DATA

PICANet was established in collaboration with clinical colleagues from all participating NHS trusts, with a view to providing timely and accurate national and local information on PICU activity for those who deliver the service and those who plan the delivery of care. In common with all datasets the use of the data inevitably improves its quality. No data are ever provided or presented which allows an individual to be identified. In this, we act in accordance with the guidelines provided by ONS.

Information on PICANet is available to clinical care teams and parents through posters that are displayed in units and leaflets that are produced in 'parent packs'. The PICANet website address is given in this material and provides a further source of general information and copies of the national reports. Newsletters on progress are distributed regularly to lead nurses and consultants in each unit.

PICANet is pleased to report an increasing number of requests for data and information ([Appendix D](#)). Some requests have only requested aggregated, anonymised data from the entire dataset. For other requests, for example those that identify individual PICUs, PICANet always ensures that lead clinicians are informed and seeks permission for their data to be used.

Requests have been received from individual clinicians, groups of researchers and NHS commissioners. Some of the reports produced have required complex data processing and analyses and this has incurred additional costs which have been charged accordingly. Dissemination of information from PICANet has been of prime importance to the team and [Appendix K](#) details specific talks given at various venues, a list of abstracts that have been presented at conferences and papers published by members of the PICANet team on PICANet and related topics. We welcome the opportunity to present data in these forums: please contact one of the team if you would like us to speak at local or national meetings.

## **24 PRELIMINARY PROCESSING OF DAILY ACTIVITY DATA (THE PAEDIATRIC CRITICAL CARE MINIMUM DATASET)**

PICANet have received daily activity data on over 92,000 patient days from 23 units and 19 trusts since the PCCMDS enabled software was made available. Some anomalous information is being returned by those PICUs who export data from their own databases and these validation issues will be addressed in detail when there is a larger volume of data available.

The purpose of the PCCMDS is to provide the basis for payment by results (PbR) through the establishment of healthcare resource groups and has been described in more detail in the [2007 National Report](#). Seven HRGs were specified to take account of differing levels of activity in PICU:

HRG1 - High Dependency

HRG2 - High Dependency Advanced

HRG3 - Intensive Care Basic

HRG4 - Intensive Care Basic Enhanced

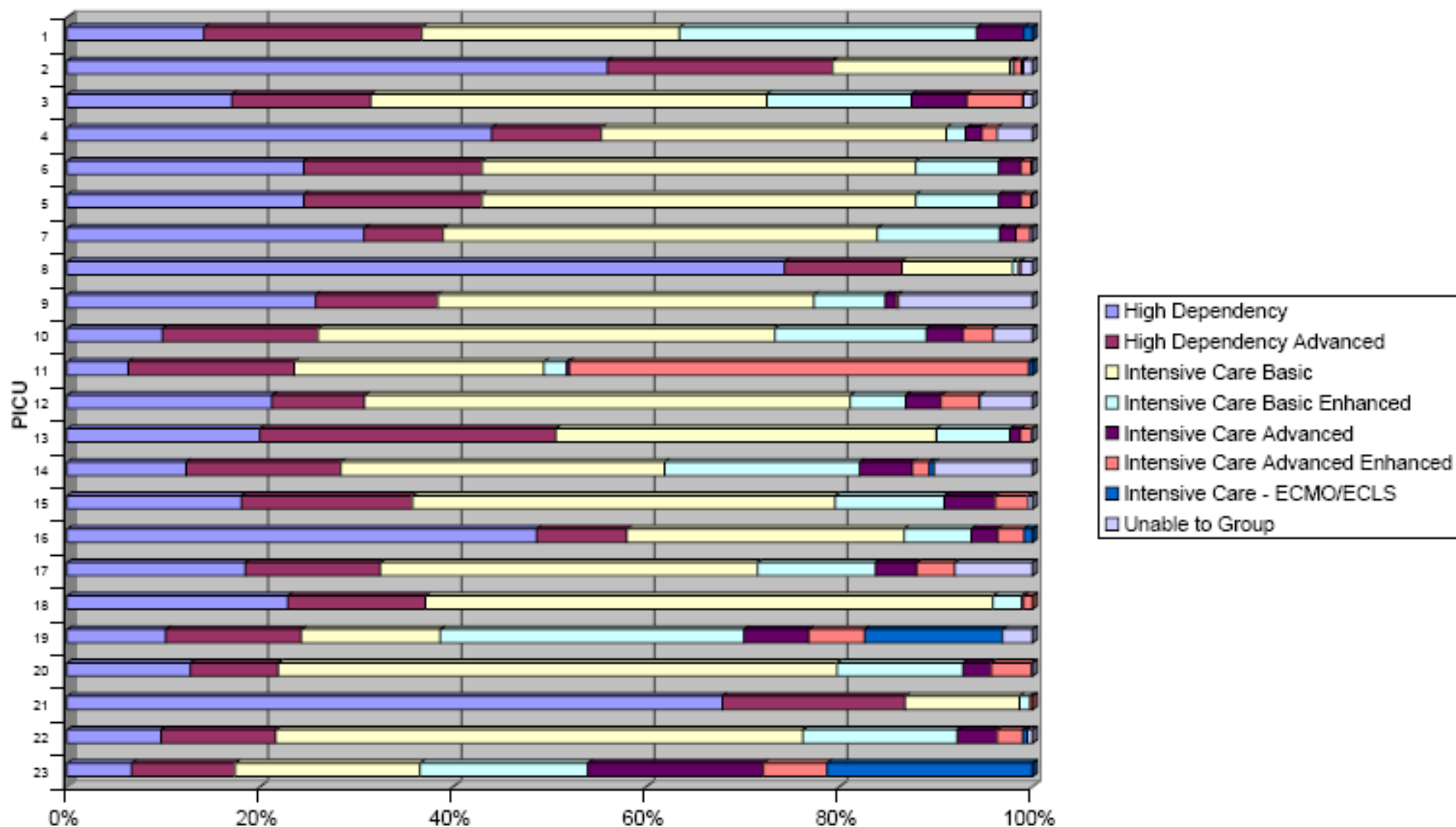
HRG5 - Intensive Care Advanced

HRG6 - Intensive Care Advanced Enhanced

HRG7 - Intensive Care - ECMO / ECLS

Using software developed for the Information Centre for Health and Social Care (HRG4 2008/09 Reference Cost Grouper), the data received by PICANet have been grouped into these HRGs by PICU. These data are summarised in [figure PCCMDS1](#) below. It should be noted that there are known problems with the Grouper that are currently being revised and these results should be treated with caution. Individual PICUs are not identified in this figure. If the data are a true reflection of PIC activity, they indicate wide variation in the level of intensive care activity delivered in different PICUs.

Figure PCCMDS1 RELATIVE DISTRIBUTION OF HRGs IN 23 PICUS IN ENGLAND AND WALES BASED ON 92,000 PATIENT DAYS



## 25 FACILITIES AND INFORMATION FOR FAMILIES.

In March 2009 a questionnaire was circulated to the 34 paediatric intensive care units in the UK and Ireland who contribute to the PICANet dataset. The questionnaire enquired about information and facilities available to parents/carers and relatives following the admission of a child to PICU. (Appendix L). In addition a member of the PICANet team independently searched the internet to ascertain how much of the information could be gathered from a hospital/PICU website.

The questionnaire was designed to consider some of the issues or concerns highlighted during a talk by a PICU parent at the PICANet Annual Meeting in November 2008. For the analysis the units were divided into three groups depending on the number of admissions during 2008: 'large' (over 750 admissions p.a.), 'medium (500-750 p.a.) and 'small' (less than 500 admissions p.a.). All units returned a completed questionnaire.

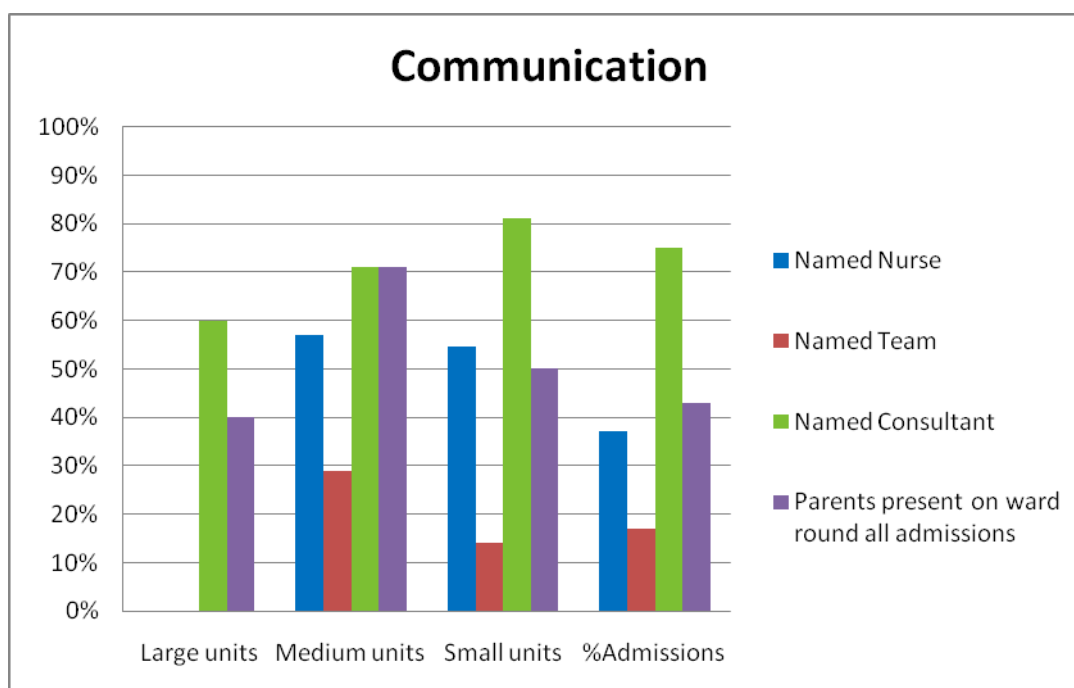
**Table FIF1 Availability of information for children and families receiving care in PICUs in the UK and Ireland, by unit size.**

	SIZE OF UNIT		
	Large	Medium	Small
No of units within groups	5	7	22
No of admissions per annum by proportion of total admissions	36%	24%	40%
Information available			
1. PICU admission information leaflet	5 (100%)	6 (86%)	21 (95%)
2. Illness specific leaflets	3 (60%)	5 (71%)	14 (63%)
3. Leaflet for siblings	0 (0%)	0 (0%)	6 (27%)
4. PICANet information leaflet	2 (40%)	6 (86%)	16 (72%)
5. Posters containing information about paediatric intensive care on display in unit	4 (80%)	1 (14%)	13 (59%)

Table FIF1 shows that all but one of the small PICUs had a general information leaflet, available for parents/carers on admission. Sixty five percent of all units have illness specific leaflets available and only six small units report the availability of leaflets for siblings. PICANet information leaflets are said to be available in only 24 out of 34 (71%) units although supplies are circulated and available from the PICANet team office. Posters providing information about PICU are reported to be on display in 80% of the large units but only in around half of the total number of medium and small units.

All the PICUs reported that they provide parents/carers with specific instructions about how to contact the unit and this information is usually also detailed on a business card or within the PICU information leaflet.

**Figure FIF1 Proportion of admissions to PICU allocated to named nurses, teams or consultants and the proportion of parents present on ward rounds, by size of unit and for all admissions.**



The allocation of patients to a named nurse, team or consultant is shown in figure FIF1. The largest proportion of units, 74%, allocate patients to a named consultant but the duration of stay at which this occurs for an individual patient varies between units, for example between 3 and 7 days. Approximately half of the medium and small units allocate a named nurse to a patient but this only affects 37% of all admissions. Some units state that a named nurse is only allocated to patients staying in excess of 7 days or to those who have multiple admissions to PICU. It can be seen that the allocation of patients to nursing teams is not routine practice and only 17% of admissions were allocated to a named team, most frequently in the medium sized units.

Overall for 43% of admissions parents/carers are able to be present for the main daily consultant ward round, the largest proportion of PICUs facilitating this are the small units. Many large units have developed an alternative practice due to the large team of doctors, nurses and support staff present for the main clinical round. Some units ask all visitors to vacate the unit but invite parents to return to the bedside when their own child is being reviewed by the medical team; others hold the main clinical round away from the bedside and in turn invite the child's parents to join the team. Some PICUs report that they are currently debating their practice. In all cases where parents are not present for the consultant ward round steps are taken to ensure parents are seen immediately following or for non resident parents, specific procedures ensure that they are able to access the medical team at a time convenient to both parties, or speak to a doctor or nurse caring for their child by telephone.

For families who are resident in hospital whilst their child is on PICU the availability of accommodation and services accessible from the unit can have a marked effect on their stay. [Figure FIF2](#) shows the facilities available to parents and carers.

All units require parents to ring the entry bell to regain admission to PICU; this can be a concern to resident parents who are required to wait for the bell to be answered when they are anxious to return to their child on the unit; as described by the PICU parent speaking at the 2008 PICANet annual meeting.

Only one unit does not have a parents' sitting room either within or in close proximity to the PICU, this facility is important to enable parents' to take a break from the bedside. Six units, including one large unit, do not have any facilities for siblings visiting PICU.

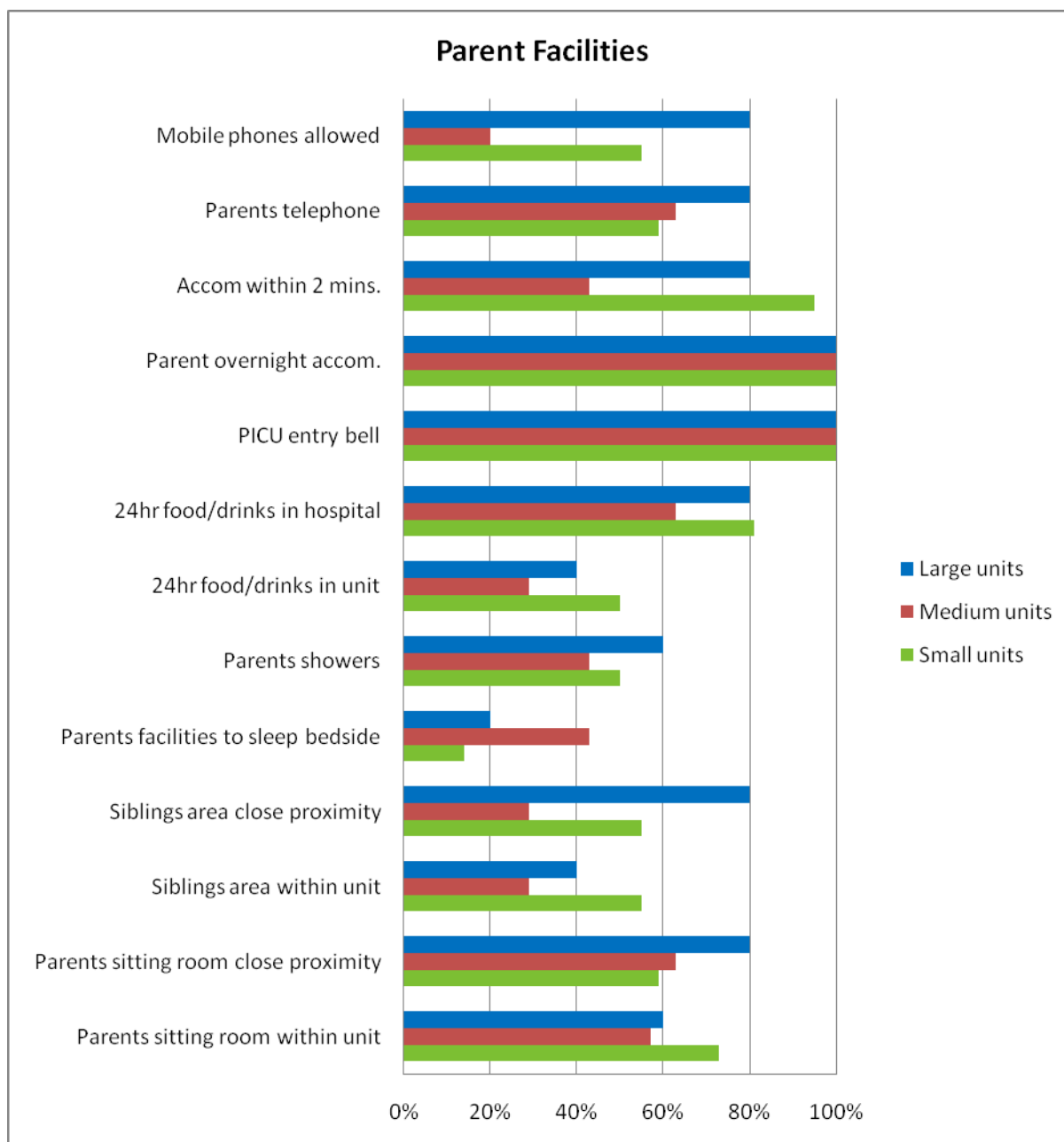
Parental overnight accommodation either within or adjacent to the PICU/hospital is available in all units; only one unit reported a charge being levied for use of overnight accommodation but some units require a refundable deposit or accept voluntary donations for use of hospital provided accommodation. One London hospital has no parent guardian accommodation on site but a charity pays for parental accommodation in local hotels as required. Ninety seven percent of units report that parental accommodation is used often, 76% that it is often full but only 8% of units often experience problems in finding available parent/guardian accommodation, 83% sometimes and 5% rarely experience problems. Some PICUs have access to accommodation funded by the Ronald McDonald House Charities, providing excellent accommodation which helps to keep families together in difficult times; but if the patient is infected i.e. meningococcal sepsis, the facility is not available to that family in order to prevent transmission of disease. Problems may also arise where parents are separated, if the allocation of accommodation is restricted to one room.

Availability of food and drinks 24 hours a day may be essential to parents in certain circumstances, such as following retrieval to PICU. All units enable parents to access drinks and overall 85% of units reported 24 hour access to food and drink within the unit or the wider hospital although some report that this will be from vending machines only, out of restaurant hours.

All but one unit permits the use of mobile phones in a designated area within PICU or has a telephone available for parents and carers to receive calls from family and friends.

The availability of car parking and associated charges were an issue for many units, particularly those located in city centres. Seventy percent of units report frequent problems finding a car parking space. One London unit stated that the congestion charge can be reimbursed in certain circumstances, such as families with children requiring repeat operations.

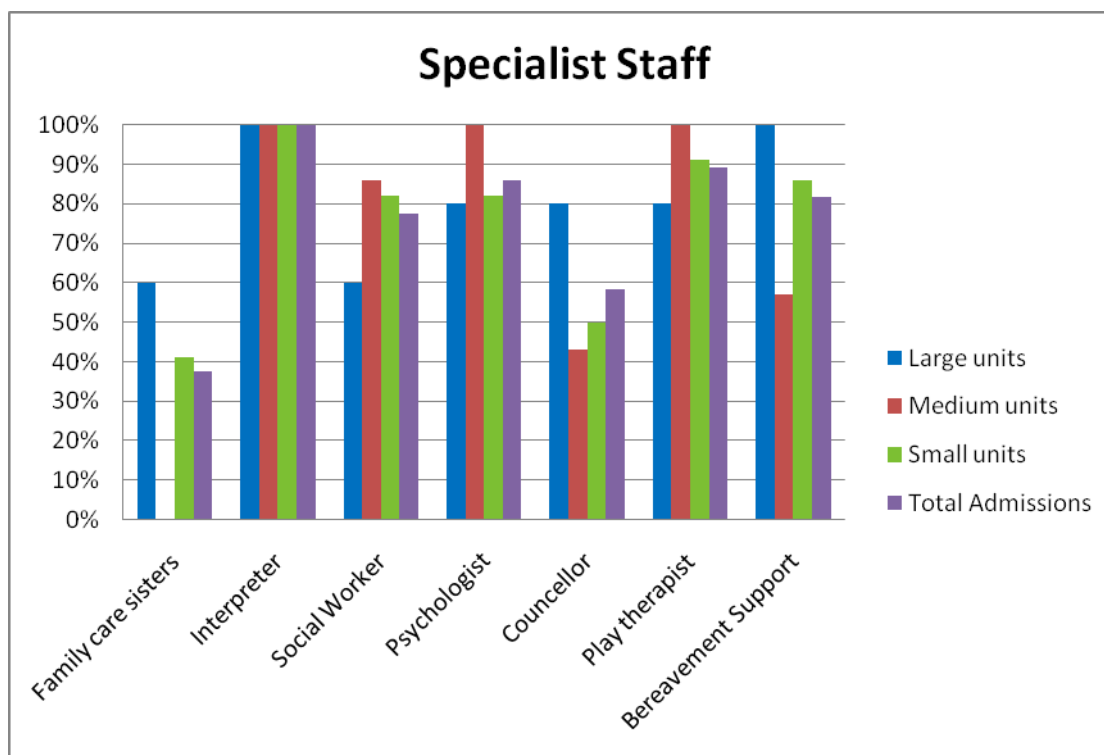
**Figure FIF2 Facilities available to parents and families within the PICU and the hospital, by size of unit.**



Units were asked about the availability of specific specialist support staff and the results are shown in [figure FIF3](#). Other specialist staff available in some units to support the family and child in PICU include hospital chaplains, spiritual leaders, school teachers, psychosocial team and cardiac liaison sisters.



**Figure FIF3 Specialist staff available to families on PICU by size of unit and by proportion of total admissions.**



Many units will arrange for a child and parents to visit the PICU prior to a planned admission. Play specialists, working on PICU or the wards, may also assist in preparing the child for admission.

**Figure FIF4 Availability of web information by unit size and by proportion of total admissions.**

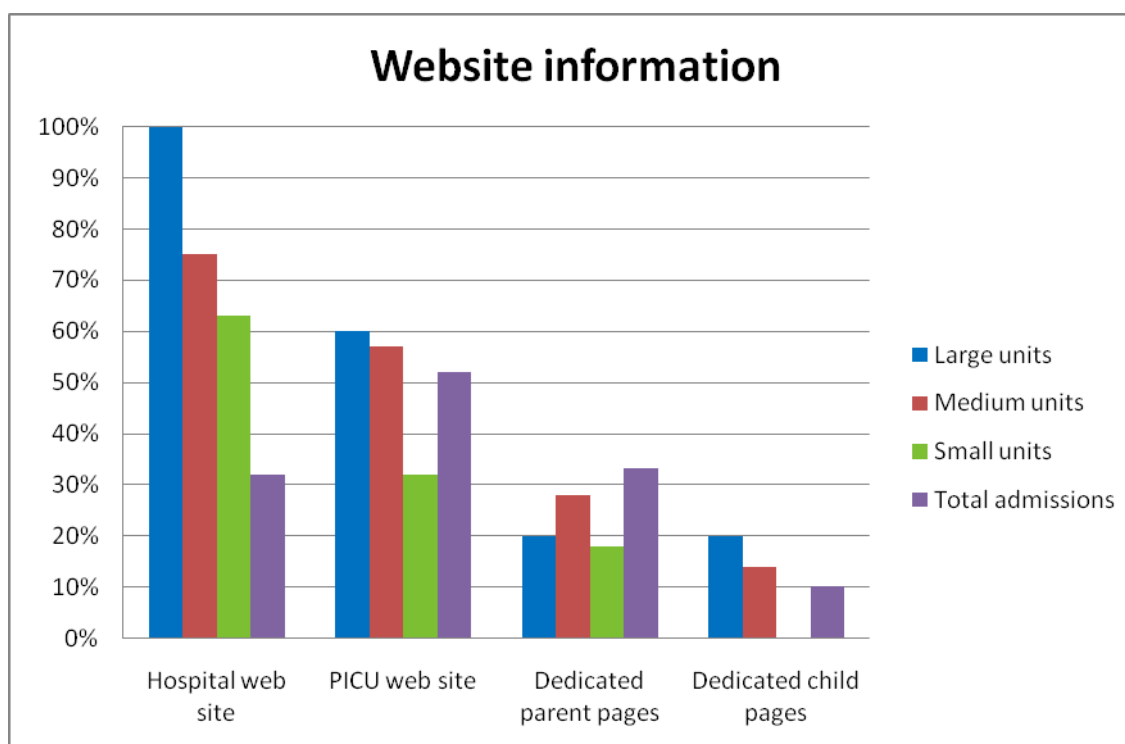
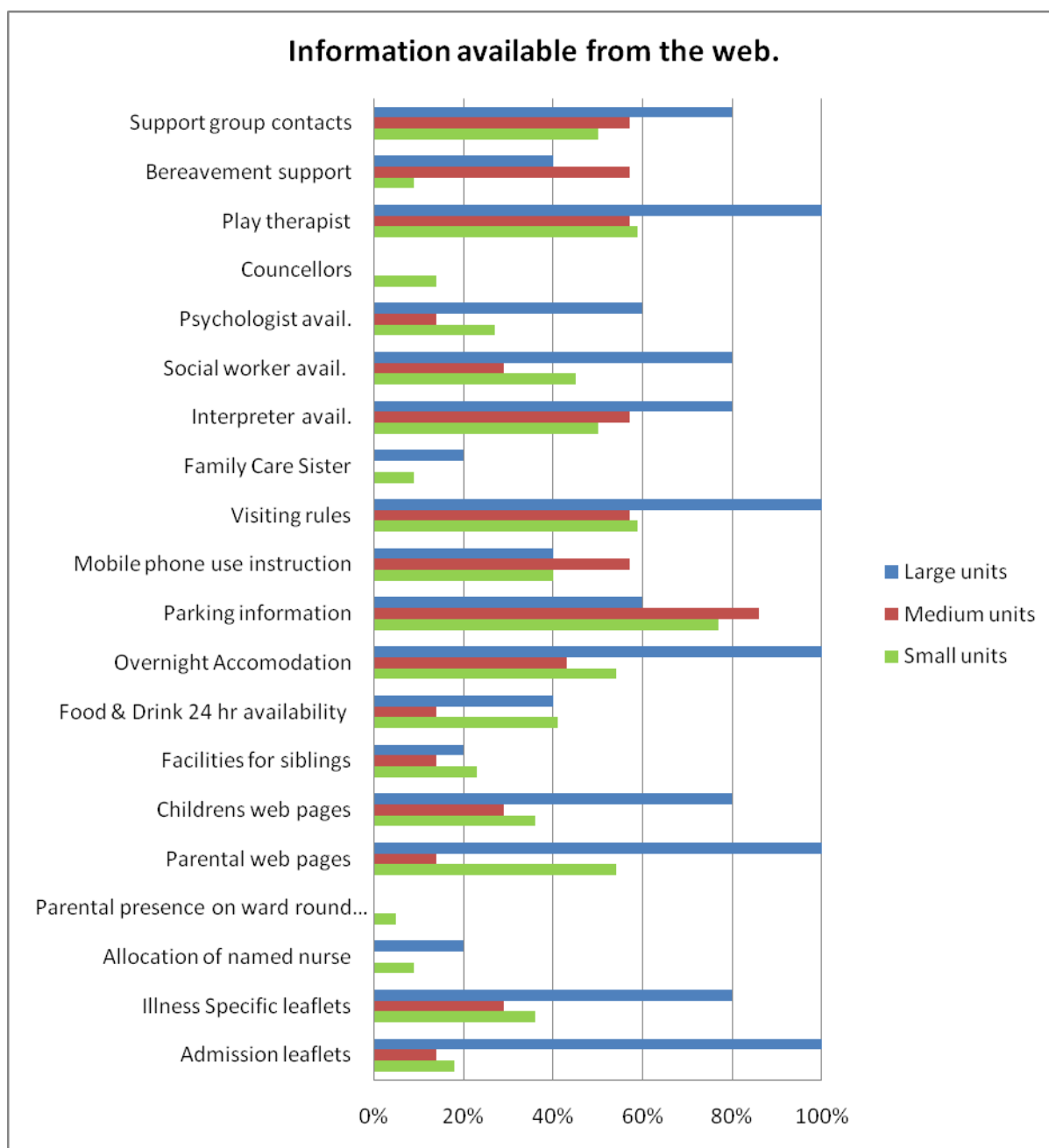


Figure FIF4 shows the results from the review of hospital websites, to identify the information available to a child and family who are admitted to PICU. Most frequently information will be found about visiting rules, car parking and overnight accommodation. Only 52% of admissions have access to a dedicated PICU web site or specific PICU pages via the web. The availability of the

most frequent items of information relevant to the PICU family is shown in Figure FIF5 by proportion of units by size.

One PICU has a parent information website for access only by resident parents and carers within the unit. Another unit website allows families to create a 'family file' to store information about their own child.

**Figure FIF5 Availability of web site information by topic and size of unit by proportion.**



Units employ different methods to allow feedback about the care and facilities available to them during their child's PICU stay, a small number have parents support groups, some have feedback questionnaires which may be formally given to the family or available to all in the parents' area. PICANet asked units to list any issues frequently raised by parents regarding the facilities available to them; comments included:

- parents accommodation too far from PICU
- rooms on PICU are too noisy
- alarms audible
- concern about secure storage of parent belongings

- lack of plugs in accommodation to recharge mobile phones
- expense of hospital food and restrictive canteen opening.

One unit reported that all the mattresses in the parent accommodation were replaced with charity funding after parents highlighted the need and another unit reported that on a recent review the accommodation and facilities had been graded as excellent.

The collection of this data is the initial phase of work which PICANet is coordinating, in collaboration with the clinical community, to involve parents in determining the quality standards of care they would like to see in PICUs. This summary of information and facilities available to the parents/carers following admission of a child to PICU also enables individual PICUs to measure their provision against other units within the UK and Ireland.

A small subgroup has been formed from members of the Clinical Advisory Group, to plan the next phase of the work. PICANet wish to extend their thanks to the members of the unit staff who completed and returned the questionnaire, thus facilitating this report.

## 26 DEALING WITH OUTLIERS

PICANet's policy on dealing with outliers (outcomes which are markedly different from what would be expected) is available in earlier national reports and on the PICANet website ([www.picanet.org.uk](http://www.picanet.org.uk)). This policy deals exclusively occasions where the risk adjusted standardised mortality ratio of any unit falls outside specific control limits. It is recognised that there are other means of measuring performance and it is the intention of the PICANet team to develop different measures of outcomes and process in close partnership with the clinical community. We also intend to publish the results of a recalibration of the mortality risk adjustment model (PIM2) based on more contemporary data. As a result, a revised policy will be produced with guidance on a standardised approach to outliers.

It is also intended to contribute our expertise to the development of national policy guidelines for clinical audits in relation to performance measures in collaboration National Clinical Audit and Patient Outcomes Programme through the Healthcare Quality Improvement Partnership.

Table 1 Admissions by age and sex, 2006 - 2008

Age (Years)	Sex								Total	
	Male n	%	Female n	%	Ambiguous n	%	Unknown n	%	n	%
0	12,572	(58)	9,095	(42)	8	(0)	4	(0)	21,679	(47.1)
1	2,903	(56)	2,297	(44)	0	(0)	1	(0)	5,201	(11.3)
2	1,540	(54)	1,302	(46)	0	(0)	3	(0)	2,845	(6.2)
3	1,204	(56)	945	(44)	1	(0)	0	(0)	2,151	(4.7)
4	953	(56)	733	(43)	0	(0)	1	(0)	1,687	(3.7)
5	717	(56)	560	(44)	0	(0)	0	(0)	1,277	(2.8)
6	635	(56)	498	(44)	2	(0)	0	(0)	1,135	(2.5)
7	571	(55)	468	(45)	0	(0)	0	(0)	1,039	(2.3)
8	482	(54)	411	(46)	2	(0)	0	(0)	895	(1.9)
9	532	(57)	401	(43)	0	(0)	0	(0)	933	(2.0)
10	528	(55)	425	(45)	0	(0)	0	(0)	953	(2.1)
11	526	(52)	478	(48)	1	(0)	0	(0)	1,005	(2.2)
12	548	(50)	547	(50)	0	(0)	0	(0)	1,095	(2.4)
13	665	(51)	639	(49)	0	(0)	0	(0)	1,304	(2.8)
14	748	(52)	691	(48)	0	(0)	0	(0)	1,439	(3.1)
15	718	(53)	636	(47)	0	(0)	2	(0)	1,356	(2.9)
Unknown	1	(50)	0	(0)	0	(0)	1	(50)	2	-
Total	25,843	(56.2)	20,126	(43.8)	14	(0.0)	12	(0.0)	45,996	

Figure 1 Admissions by age and sex, 2006 - 2008

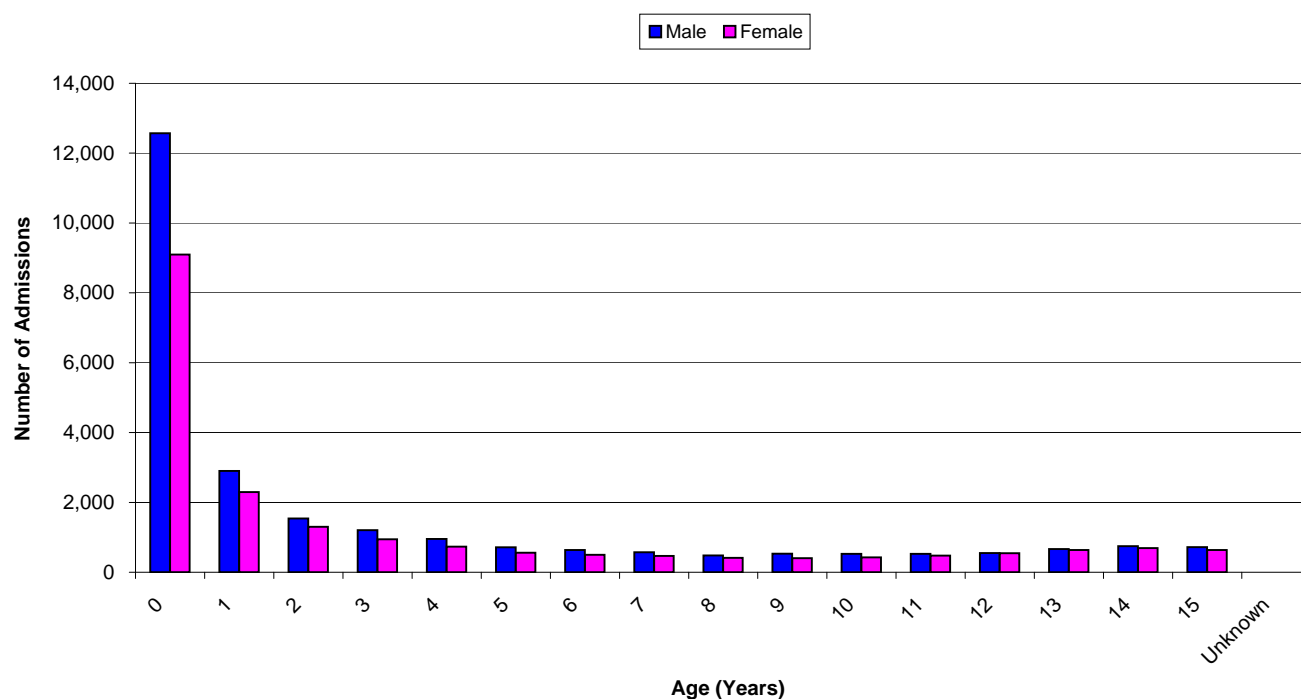


Table 2 Admissions by age (<1) and sex, 2006 - 2008

Age (Months)	Sex								Total	
	Male		Female		Ambiguous		Unknown			
	n	%	n	%	n	%	n	%	n	%
0	4,408	(58)	3,162	(42)	4	(0)	3	(0)	7,577	(35.0)
1	1,874	(61)	1,190	(39)	0	(0)	1	(0)	3,065	(14.1)
2	1,224	(58)	888	(42)	0	(0)	0	(0)	2,112	(9.7)
3	970	(56)	759	(44)	0	(0)	0	(0)	1,729	(8.0)
4	768	(58)	558	(42)	2	(0)	0	(0)	1,328	(6.1)
5	680	(58)	491	(42)	1	(0)	0	(0)	1,172	(5.4)
6	548	(55)	456	(45)	0	(0)	0	(0)	1,004	(4.6)
7	526	(59)	373	(41)	0	(0)	0	(0)	899	(4.1)
8	421	(55)	338	(45)	0	(0)	0	(0)	759	(3.5)
9	432	(57)	332	(43)	0	(0)	0	(0)	764	(3.5)
10	365	(54)	304	(45)	1	(0)	0	(0)	670	(3.1)
11	356	(59)	244	(41)	0	(0)	0	(0)	600	(2.8)
Total	12,572	(58.0)	9,095	(42.0)	8	(0.0)	4	(0.0)	21,679	

Figure 2 Admissions by age (<1) and sex, 2006 - 2008

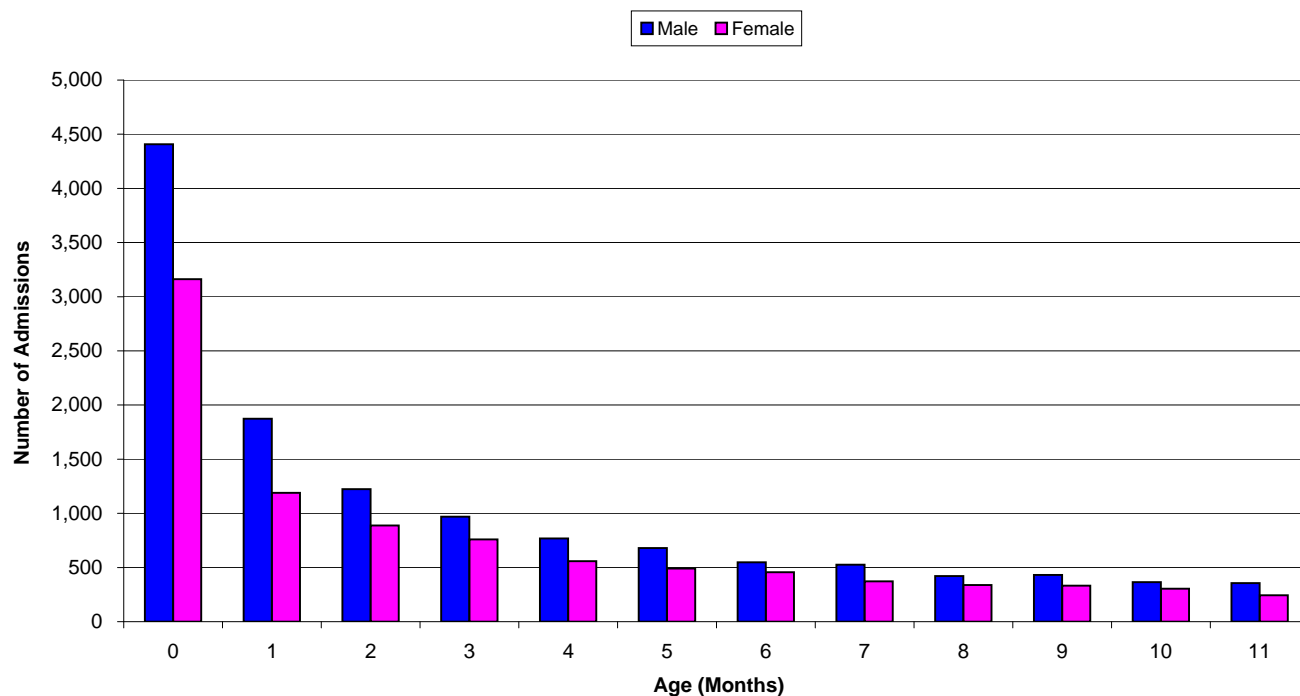


Table 3 Admissions by age by NHS trust, 2006 - 2008

Year		NHS Trust		Age Group (Years)								Total	
				<1		1-4		5-10		11-15			
				n	%	n	%	n	%	n	%	n	%
2006	A	166	(37)	103	(23)	94	(21)	86	(19)	449	(3.1)		
	B	81	(36)	57	(25)	31	(14)	58	(26)	227	(1.6)		
	C	113	(38)	71	(24)	57	(19)	60	(20)	301	(2.1)		
	D	220	(39)	163	(29)	87	(15)	101	(18)	571	(4.0)		
	E	911	(57)	360	(23)	174	(11)	154	(10)	1,599	(11.2)		
	F	585	(54)	286	(26)	96	(9)	120	(11)	1,087	(7.6)		
	G	9	(25)	11	(31)	9	(25)	7	(19)	36	(0.3)		
	H	100	(32)	117	(37)	52	(17)	46	(15)	315	(2.2)		
	I	401	(44)	269	(30)	131	(14)	108	(12)	909	(6.3)		
	J	41	(55)	21	(28)	6	(8)	6	(8)	74	(0.5)		
	K	542	(60)	168	(19)	83	(9)	114	(13)	907	(6.3)		
	L	88	(29)	81	(27)	56	(19)	74	(25)	299	(2.1)		
	M	117	(29)	121	(30)	79	(20)	87	(22)	404	(2.8)		
	N	127	(46)	80	(29)	41	(15)	27	(10)	275	(1.9)		
	O	388	(59)	150	(23)	73	(11)	45	(7)	657	(4.6)		
	P	610	(55)	271	(25)	116	(11)	105	(10)	1,102	(7.7)		
	Q	206	(41)	133	(26)	89	(18)	75	(15)	503	(3.5)		
	R	351	(54)	118	(18)	80	(12)	107	(16)	656	(4.6)		
	S	54	(29)	49	(26)	52	(28)	33	(18)	188	(1.3)		
	T	140	(32)	149	(34)	96	(22)	57	(13)	442	(3.1)		
	U	137	(37)	141	(38)	57	(16)	32	(9)	367	(2.6)		
	V	557	(53)	239	(23)	137	(13)	113	(11)	1,046	(7.3)		
	W	317	(49)	149	(23)	112	(17)	64	(10)	642	(4.5)		
	X	437	(50)	224	(26)	114	(13)	101	(12)	876	(6.1)		
	Y	128	(32)	101	(26)	77	(19)	90	(23)	396	(2.8)		
2006 Total		6,826	(47.6)	3,632	(25.3)	1,999	(14.0)	1,870	(13.1)	14,328			
2007	A	190	(37)	116	(23)	89	(17)	117	(23)	512	(3.3)		
	B	67	(39)	55	(32)	26	(15)	23	(13)	171	(1.1)		
	C	124	(39)	89	(28)	38	(12)	66	(21)	317	(2.0)		
	D	267	(42)	193	(30)	78	(12)	101	(16)	639	(4.1)		
	E	820	(56)	337	(23)	155	(11)	161	(11)	1,473	(9.5)		
	F	671	(56)	283	(24)	123	(10)	120	(10)	1,197	(7.7)		
	G	12	(27)	16	(36)	9	(20)	8	(18)	45	(0.3)		
	H	112	(39)	93	(32)	45	(16)	40	(14)	290	(1.9)		
	I	380	(42)	259	(29)	131	(15)	131	(15)	901	(5.8)		
	J	68	(57)	30	(25)	12	(10)	9	(8)	119	(0.8)		
	K	474	(51)	226	(24)	111	(12)	126	(13)	937	(6.0)		
	L	135	(38)	83	(23)	71	(20)	66	(19)	355	(2.3)		
	M	112	(32)	96	(28)	64	(18)	77	(22)	349	(2.2)		
	N	148	(47)	86	(27)	42	(13)	38	(12)	314	(2.0)		
	O	390	(61)	148	(23)	55	(9)	45	(7)	638	(4.1)		
	P	574	(54)	278	(26)	104	(10)	111	(10)	1,067	(6.8)		
	Q	255	(42)	147	(24)	98	(16)	106	(17)	606	(3.9)		
	R	367	(51)	163	(22)	91	(13)	104	(14)	725	(4.7)		
	S	64	(34)	43	(23)	32	(17)	51	(27)	190	(1.2)		
	T	111	(29)	137	(36)	67	(17)	70	(18)	385	(2.5)		
	U	153	(42)	121	(33)	51	(14)	42	(11)	367	(2.4)		
	V	564	(49)	296	(26)	180	(16)	111	(10)	1,151	(7.4)		
	W	377	(55)	167	(24)	72	(10)	73	(11)	689	(4.4)		
	X	387	(54)	173	(24)	74	(10)	89	(12)	723	(4.6)		
	Y	158	(37)	91	(21)	61	(14)	114	(27)	424	(2.7)		
Z	102	(28)	133	(37)	61	(17)	63	(18)	359	(2.3)			
ZA	238	(37)	207	(33)	112	(18)	79	(12)	636	(4.1)			
2007 Total		7,320	(47.0)	4,066	(26.1)	2,052	(13.2)	2,141	(13.7)	15,579			
2008	A	131	(28)	154	(33)	86	(18)	99	(21)	470	(2.9)		
	B	82	(29)	83	(29)	44	(15)	75	(26)	284	(1.8)		
	C	120	(39)	76	(25)	44	(14)	68	(22)	308	(1.9)		
	D	272	(41)	193	(29)	93	(14)	98	(15)	657	(4.1)		
	E	914	(58)	339	(22)	163	(10)	150	(10)	1,566	(9.7)		
	F	649	(56)	271	(23)	104	(9)	132	(11)	1,156	(7.2)		
	G	13	(42)	4	(13)	5	(16)	9	(29)	31	(0.2)		
	H	113	(30)	130	(34)	77	(20)	62	(16)	382	(2.4)		
	I	377	(46)	207	(25)	125	(15)	118	(14)	827	(5.1)		
	J	61	(47)	29	(22)	21	(16)	18	(14)	129	(0.8)		
	K	499	(54)	203	(22)	115	(12)	105	(11)	922	(5.7)		
	L	127	(40)	76	(24)	49	(15)	67	(21)	319	(2.0)		
	M	83	(25)	106	(32)	62	(19)	77	(23)	328	(2.0)		
	N	155	(52)	89	(30)	25	(8)	31	(10)	300	(1.9)		
	O	387	(63)	132	(22)	49	(8)	42	(7)	610	(3.8)		
	P	536	(48)	308	(28)	124	(11)	144	(13)	1,112	(6.9)		
	Q	257	(45)	152	(27)	80	(14)	82	(14)	571	(3.5)		
	R	346	(51)	150	(22)	91	(13)	97	(14)	684	(4.3)		
	S	51	(26)	52	(27)	34	(17)	59	(30)	196	(1.2)		
	T	147	(31)	158	(33)	88	(18)	83	(17)	476	(3.0)		
	U	121	(40)	106	(35)	48	(16)	26	(9)	301	(1.9)		
	V	593	(54)	270	(25)	140	(13)	98	(9)	1,101	(6.8)		
	W	344	(47)	207	(28)	104	(14)	76	(10)	731	(4.5)		
	X	379	(55)	165	(24)	84	(12)	64	(9)	692	(4.3)		
	Y	148	(33)	111	(25)	66	(15)	128	(28)	453	(2.8)		
Z	128	(33)	118	(30)	82	(21)	64	(16)	392	(2.4)			
ZA	406	(44)	262	(28)	155	(17)	101	(11)	924	(5.7)			
ZB	94	(56)	35	(21)	23	(14)	15	(9)	167	(1.0)			
2008 Total		7,533	(46.8)	4,186	(26.0)	2,181	(13.6)	2,188	(13.6)	16,089			
Grand Total		21,679	(47.1)	11,884	(25.8)	6,232	(13.5)	6,199	(13.5)	45,996			

Table 4 Admissions by age (&lt;1) by NHS trust, 2006 - 2008

		Age Group (Months)									
Year	NHS Trust	<1		1-2		3-5		6-11		Total	
		n	%	n	%	n	%	n	%	n	%
2006	A	43	(26)	43	(26)	26	(16)	54	(33)	166	(2.4)
	B	17	(21)	28	(35)	19	(23)	17	(21)	81	(1.2)
	C	23	(20)	31	(27)	24	(21)	35	(31)	113	(1.7)
	D	40	(18)	73	(33)	42	(19)	65	(30)	220	(3.2)
	E	388	(43)	193	(21)	154	(17)	176	(19)	911	(13.3)
	F	247	(42)	121	(21)	91	(16)	126	(22)	585	(8.6)
	G	2	(22)	1	(11)	1	(11)	5	(56)	9	(0.1)
	H	20	(20)	20	(20)	22	(22)	38	(38)	100	(1.5)
	I	107	(27)	83	(21)	79	(20)	132	(33)	401	(5.9)
	J	8	(20)	13	(32)	10	(24)	10	(24)	41	(0.6)
	K	234	(43)	125	(23)	110	(20)	73	(13)	542	(7.9)
	L	18	(20)	28	(32)	23	(26)	19	(22)	88	(1.3)
	M	30	(26)	35	(30)	23	(20)	29	(25)	117	(1.7)
	N	30	(24)	26	(20)	36	(28)	35	(28)	127	(1.9)
	O	157	(40)	78	(20)	74	(19)	79	(20)	388	(5.7)
	P	223	(37)	149	(24)	114	(19)	124	(20)	610	(8.9)
	Q	86	(42)	48	(23)	29	(14)	43	(21)	206	(3.0)
	R	144	(41)	66	(19)	87	(25)	54	(15)	351	(5.1)
	S	12	(22)	20	(37)	11	(20)	11	(20)	54	(0.8)
	T	16	(11)	40	(29)	38	(27)	46	(33)	140	(2.1)
U	28	(20)	35	(26)	25	(18)	49	(36)	137	(2.0)	
V	217	(39)	106	(19)	113	(20)	121	(22)	557	(8.2)	
W	98	(31)	65	(21)	69	(22)	85	(27)	317	(4.6)	
X	184	(42)	85	(19)	77	(18)	91	(21)	437	(6.4)	
Y	34	(27)	32	(25)	24	(19)	38	(30)	128	(1.9)	
2006 Total		2,406	(35.2)	1,544	(22.6)	1,321	(19.4)	1,555	(22.8)	6,826	
2007	A	47	(25)	59	(31)	34	(18)	50	(26)	190	(2.6)
	B	14	(21)	22	(33)	12	(18)	19	(28)	67	(0.9)
	C	20	(16)	39	(31)	34	(27)	31	(25)	124	(1.7)
	D	79	(30)	76	(28)	56	(21)	56	(21)	267	(3.6)
	E	316	(39)	172	(21)	178	(22)	154	(19)	820	(11.2)
	F	268	(40)	138	(21)	131	(20)	134	(20)	671	(9.2)
	G	2	(17)	4	(33)	5	(42)	1	(8)	12	(0.2)
	H	18	(16)	28	(25)	18	(16)	48	(43)	112	(1.5)
	I	103	(27)	92	(24)	84	(22)	101	(27)	380	(5.2)
	J	21	(31)	20	(29)	15	(22)	12	(18)	68	(0.9)
	K	193	(41)	106	(22)	99	(21)	76	(16)	474	(6.5)
	L	27	(20)	47	(35)	31	(23)	30	(22)	135	(1.8)
	M	27	(24)	37	(33)	18	(16)	30	(27)	112	(1.5)
	N	44	(30)	41	(28)	33	(22)	30	(20)	148	(2.0)
	O	140	(36)	97	(25)	87	(22)	66	(17)	390	(5.3)
	P	217	(38)	137	(24)	104	(18)	116	(20)	574	(7.8)
	Q	89	(35)	79	(31)	39	(15)	48	(19)	255	(3.5)
	R	149	(41)	82	(22)	77	(21)	59	(16)	367	(5.0)
	S	12	(19)	25	(39)	12	(19)	15	(23)	64	(0.9)
	T	21	(19)	25	(23)	28	(25)	37	(33)	111	(1.5)
	U	21	(14)	47	(31)	37	(24)	48	(31)	153	(2.1)
	V	240	(43)	128	(23)	97	(17)	99	(18)	564	(7.7)
	W	134	(36)	90	(24)	69	(18)	84	(22)	377	(5.2)
X	169	(44)	89	(23)	57	(15)	72	(19)	387	(5.3)	
Y	55	(35)	48	(30)	21	(13)	34	(22)	158	(2.2)	
Z	19	(19)	25	(25)	32	(31)	26	(25)	102	(1.4)	
ZA	48	(20)	52	(22)	47	(20)	91	(38)	238	(3.3)	
2007 Total		2,493	(34.1)	1,805	(24.7)	1,455	(19.9)	1,567	(21.4)	7,320	
2008	A	31	(24)	39	(30)	28	(21)	33	(25)	131	(1.7)
	B	28	(34)	18	(22)	18	(22)	18	(22)	82	(1.1)
	C	27	(23)	40	(33)	23	(19)	30	(25)	120	(1.6)
	D	69	(25)	64	(24)	65	(24)	74	(27)	272	(3.6)
	E	376	(41)	204	(22)	160	(18)	174	(19)	914	(12.1)
	F	280	(43)	136	(21)	108	(17)	125	(19)	649	(8.6)
	G	4	(31)	3	(23)	1	(8)	5	(38)	13	(0.2)
	H	29	(26)	24	(21)	23	(20)	37	(33)	113	(1.5)
	I	133	(35)	95	(25)	72	(19)	77	(20)	377	(5.0)
	J	13	(21)	17	(28)	17	(28)	14	(23)	61	(0.8)
	K	203	(41)	123	(25)	84	(17)	89	(18)	499	(6.6)
	L	24	(19)	42	(33)	22	(17)	39	(31)	127	(1.7)
	M	15	(18)	30	(36)	16	(19)	22	(27)	83	(1.1)
	N	48	(31)	30	(19)	41	(26)	36	(23)	155	(2.1)
	O	160	(41)	68	(18)	69	(18)	90	(23)	387	(5.1)
	P	198	(37)	141	(26)	98	(18)	99	(18)	536	(7.1)
	Q	98	(38)	71	(28)	47	(18)	41	(16)	257	(3.4)
	R	140	(40)	80	(23)	68	(20)	58	(17)	346	(4.6)
	S	10	(20)	20	(39)	10	(20)	11	(22)	51	(0.7)
	T	30	(20)	38	(26)	44	(30)	35	(24)	147	(2.0)
	U	31	(26)	36	(30)	28	(23)	26	(21)	121	(1.6)
	V	231	(39)	124	(21)	141	(24)	97	(16)	593	(7.9)
	W	102	(30)	93	(27)	64	(19)	85	(25)	344	(4.6)
	X	180	(47)	88	(23)	50	(13)	61	(16)	379	(5.0)
	Y	58	(39)	47	(32)	20	(14)	23	(16)	148	(2.0)
	Z	28	(22)	42	(33)	28	(22)	30	(23)	128	(1.7)
ZA	94	(23)	93	(23)	89	(22)	130	(32)	406	(5.4)	
ZB	38	(40)	22	(23)	19	(20)	15	(16)	94	(1.2)	
2008 Total		2,678	(35.6)	1,828	(24.3)	1,453	(19.3)	1,574	(20.9)	7,533	
Grand Total		7,577	(35.0)	5,177	(23.9)	4,229	(19.5)	4,696	(21.7)	21,679	



Table 5 Admissions by age (16+) by NHS trust, 2006 - 2008

Year	NHS Trust	Age Group (Years)								Total	
		16		17-20		21-25		26+			
		n	%	n	%	n	%	n	%	n	%
2006	A	5	(100)	0	(0)	0	(0)	0	(0)	5	(1.4)
	B	4	(50)	4	(50)	0	(0)	0	(0)	8	(2.3)
	C	6	(75)	2	(25)	0	(0)	0	(0)	8	(2.3)
	D	9	(64)	5	(36)	0	(0)	0	(0)	14	(4.0)
	E	18	(60)	12	(40)	0	(0)	0	(0)	30	(8.5)
	F	10	(71)	4	(29)	0	(0)	0	(0)	14	(4.0)
	H	5	(71)	2	(29)	0	(0)	0	(0)	7	(2.0)
	I	13	(65)	6	(30)	1	(5)	0	(0)	20	(5.7)
	J	0	(0)	1	(100)	0	(0)	0	(0)	1	(0.3)
	K	12	(39)	17	(55)	1	(3)	1	(3)	31	(8.8)
	L	16	(84)	2	(11)	0	(0)	1	(5)	19	(5.4)
	M	6	(35)	11	(65)	0	(0)	0	(0)	17	(4.8)
	N	1	(100)	0	(0)	0	(0)	0	(0)	1	(0.3)
	P	10	(59)	7	(41)	0	(0)	0	(0)	17	(4.8)
	Q	11	(46)	12	(50)	1	(4)	0	(0)	24	(6.8)
	R	24	(67)	11	(31)	1	(3)	0	(0)	36	(10.2)
	S	1	(50)	1	(50)	0	(0)	0	(0)	2	(0.6)
	T	6	(75)	2	(25)	0	(0)	0	(0)	8	(2.3)
	U	1	(50)	1	(50)	0	(0)	0	(0)	2	(0.6)
	V	12	(67)	6	(33)	0	(0)	0	(0)	18	(5.1)
W	11	(65)	6	(35)	0	(0)	0	(0)	17	(4.8)	
X	14	(70)	4	(20)	0	(0)	2	(10)	20	(5.7)	
Y	12	(35)	22	(65)	0	(0)	0	(0)	34	(9.6)	
2006 Total		207	(58.6)	138	(39.1)	4	(1.1)	4	(1.1)	353	
2007	A	8	(67)	4	(33)	0	(0)	0	(0)	12	(3.4)
	B	1	(25)	3	(75)	0	(0)	0	(0)	4	(1.1)
	C	7	(100)	0	(0)	0	(0)	0	(0)	7	(2.0)
	D	10	(83)	2	(17)	0	(0)	0	(0)	12	(3.4)
	E	11	(50)	11	(50)	0	(0)	0	(0)	22	(6.2)
	F	16	(59)	11	(41)	0	(0)	0	(0)	27	(7.6)
	H	1	(50)	1	(50)	0	(0)	0	(0)	2	(0.6)
	I	13	(76)	4	(24)	0	(0)	0	(0)	17	(4.8)
	K	12	(48)	9	(36)	3	(12)	1	(4)	25	(7.1)
	L	10	(48)	10	(48)	1	(5)	0	(0)	21	(5.9)
	M	8	(73)	3	(27)	0	(0)	0	(0)	11	(3.1)
	N	1	(100)	0	(0)	0	(0)	0	(0)	1	(0.3)
	O	4	(100)	0	(0)	0	(0)	0	(0)	4	(1.1)
	P	10	(53)	9	(47)	0	(0)	0	(0)	19	(5.4)
	Q	11	(69)	4	(25)	1	(6)	0	(0)	16	(4.5)
	R	19	(59)	13	(41)	0	(0)	0	(0)	32	(9.0)
	S	2	(50)	2	(50)	0	(0)	0	(0)	4	(1.1)
	T	12	(75)	4	(25)	0	(0)	0	(0)	16	(4.5)
	U	1	(100)	0	(0)	0	(0)	0	(0)	1	(0.3)
	V	6	(86)	1	(14)	0	(0)	0	(0)	7	(2.0)
	W	5	(56)	4	(44)	0	(0)	0	(0)	9	(2.5)
	X	15	(63)	8	(33)	1	(4)	0	(0)	24	(6.8)
	Y	11	(28)	28	(72)	0	(0)	0	(0)	39	(11.0)
Z	3	(43)	4	(57)	0	(0)	0	(0)	7	(2.0)	
ZA	8	(53)	6	(40)	1	(7)	0	(0)	15	(4.2)	
2007 Total		205	(57.9)	141	(39.8)	7	(2.0)	1	(0.3)	354	
2008	A	6	(86)	1	(14)	0	(0)	0	(0)	7	(1.7)
	B	4	(80)	1	(20)	0	(0)	0	(0)	5	(1.2)
	C	2	(100)	0	(0)	0	(0)	0	(0)	2	(0.5)
	D	10	(63)	6	(38)	0	(0)	0	(0)	16	(3.8)
	E	19	(73)	7	(27)	0	(0)	0	(0)	26	(6.2)
	F	14	(70)	6	(30)	0	(0)	0	(0)	20	(4.7)
	H	4	(36)	7	(64)	0	(0)	0	(0)	11	(2.6)
	I	6	(75)	2	(25)	0	(0)	0	(0)	8	(1.9)
	J	1	(50)	1	(50)	0	(0)	0	(0)	2	(0.5)
	K	12	(48)	9	(36)	2	(8)	2	(8)	25	(5.9)
	L	14	(41)	20	(59)	0	(0)	0	(0)	34	(8.1)
	M	10	(40)	15	(60)	0	(0)	0	(0)	25	(5.9)
	N	2	(67)	1	(33)	0	(0)	0	(0)	3	(0.7)
	P	19	(51)	18	(49)	0	(0)	0	(0)	37	(8.8)
	Q	13	(59)	8	(36)	1	(5)	0	(0)	22	(5.2)
	R	21	(54)	18	(46)	0	(0)	0	(0)	39	(9.2)
	S	5	(83)	1	(17)	0	(0)	0	(0)	6	(1.4)
	T	6	(38)	10	(63)	0	(0)	0	(0)	16	(3.8)
	U	5	(100)	0	(0)	0	(0)	0	(0)	5	(1.2)
	V	8	(62)	5	(38)	0	(0)	0	(0)	13	(3.1)
	W	14	(78)	4	(22)	0	(0)	0	(0)	18	(4.3)
	X	7	(35)	13	(65)	0	(0)	0	(0)	20	(4.7)
	Y	11	(37)	19	(63)	0	(0)	0	(0)	30	(7.1)
	Z	7	(88)	0	(0)	1	(13)	0	(0)	8	(1.9)
ZA	14	(61)	9	(39)	0	(0)	0	(0)	23	(5.5)	
ZB	1	(100)	0	(0)	0	(0)	0	(0)	1	(0.2)	
2008 Total		235	(55.7)	181	(42.9)	4	(0.9)	2	(0.5)	422	
Grand Total		647	(57.3)	460	(40.7)	15	(1.3)	7	(0.6)	1,129	

Table 6 Admissions by month and age, 2006 - 2008

Table 6 Admissions by Month and Age, 2006 - 2008											
Year	Month	Age Group (Years)								Total	
		<1		1-4		5-10		11-15			
		n	%	n	%	n	%	n	%	n	%
2006	1	673	(51)	309	(24)	174	(13)	154	(12)	1,310	(9.1)
	2	553	(47)	301	(25)	182	(15)	150	(13)	1,186	(8.3)
	3	583	(46)	328	(26)	182	(14)	171	(14)	1,264	(8.8)
	4	538	(46)	321	(28)	157	(13)	147	(13)	1,163	(8.1)
	5	570	(47)	341	(28)	165	(14)	143	(12)	1,219	(8.5)
	6	551	(48)	291	(25)	165	(14)	152	(13)	1,159	(8.1)
	7	492	(43)	290	(26)	189	(17)	162	(14)	1,134	(7.9)
	8	527	(47)	279	(25)	159	(14)	155	(14)	1,120	(7.8)
	9	540	(49)	256	(23)	166	(15)	147	(13)	1,109	(7.7)
	10	523	(44)	318	(27)	165	(14)	186	(16)	1,192	(8.3)
	11	597	(48)	307	(25)	163	(13)	171	(14)	1,238	(8.6)
	12	679	(55)	291	(24)	132	(11)	132	(11)	1,234	(8.6)
2006 Total		6,826	(47.6)	3,632	(25.3)	1,999	(14.0)	1,870	(13.1)	14,328	
2007	1	655	(52)	321	(25)	143	(11)	145	(11)	1,264	(8.1)
	2	544	(47)	315	(27)	147	(13)	153	(13)	1,159	(7.4)
	3	550	(43)	365	(29)	178	(14)	176	(14)	1,269	(8.1)
	4	586	(46)	329	(26)	166	(13)	192	(15)	1,273	(8.2)
	5	617	(45)	363	(27)	171	(13)	213	(16)	1,364	(8.8)
	6	535	(42)	356	(28)	200	(16)	183	(14)	1,274	(8.2)
	7	612	(47)	327	(25)	194	(15)	175	(13)	1,308	(8.4)
	8	569	(44)	332	(26)	193	(15)	194	(15)	1,288	(8.3)
	9	549	(46)	310	(26)	154	(13)	174	(15)	1,187	(7.6)
	10	629	(45)	362	(26)	174	(13)	226	(16)	1,391	(8.9)
	11	721	(50)	370	(26)	175	(12)	170	(12)	1,436	(9.2)
	12	753	(55)	316	(23)	157	(11)	140	(10)	1,366	(8.8)
2007 Total		7,320	(47.0)	4,066	(26.1)	2,052	(13.2)	2,141	(13.7)	15,579	
2008	1	703	(49)	367	(26)	182	(13)	185	(13)	1,437	(8.9)
	2	535	(43)	311	(25)	197	(16)	188	(15)	1,232	(7.7)
	3	588	(45)	350	(27)	190	(14)	190	(14)	1,318	(8.2)
	4	557	(42)	370	(28)	189	(14)	198	(15)	1,314	(8.2)
	5	599	(45)	352	(27)	196	(15)	181	(14)	1,328	(8.3)
	6	570	(44)	345	(27)	207	(16)	174	(13)	1,296	(8.1)
	7	615	(46)	348	(26)	174	(13)	195	(15)	1,332	(8.3)
	8	593	(46)	334	(26)	175	(14)	176	(14)	1,278	(7.9)
	9	578	(45)	333	(26)	182	(14)	195	(15)	1,288	(8.0)
	10	670	(47)	372	(26)	173	(12)	202	(14)	1,417	(8.8)
	11	739	(53)	342	(24)	172	(12)	146	(10)	1,399	(8.7)
	12	786	(54)	362	(25)	144	(10)	158	(11)	1,450	(9.0)
2008 Total		7,533	(46.8)	4,186	(26.0)	2,181	(13.6)	2,188	(13.6)	16,089	
Grand Total		21,679	(47.1)	11,884	(25.8)	6,232	(13.5)	6,199	(13.5)	45,996	

Figure 6 Admissions by month and age, 2006- 2008

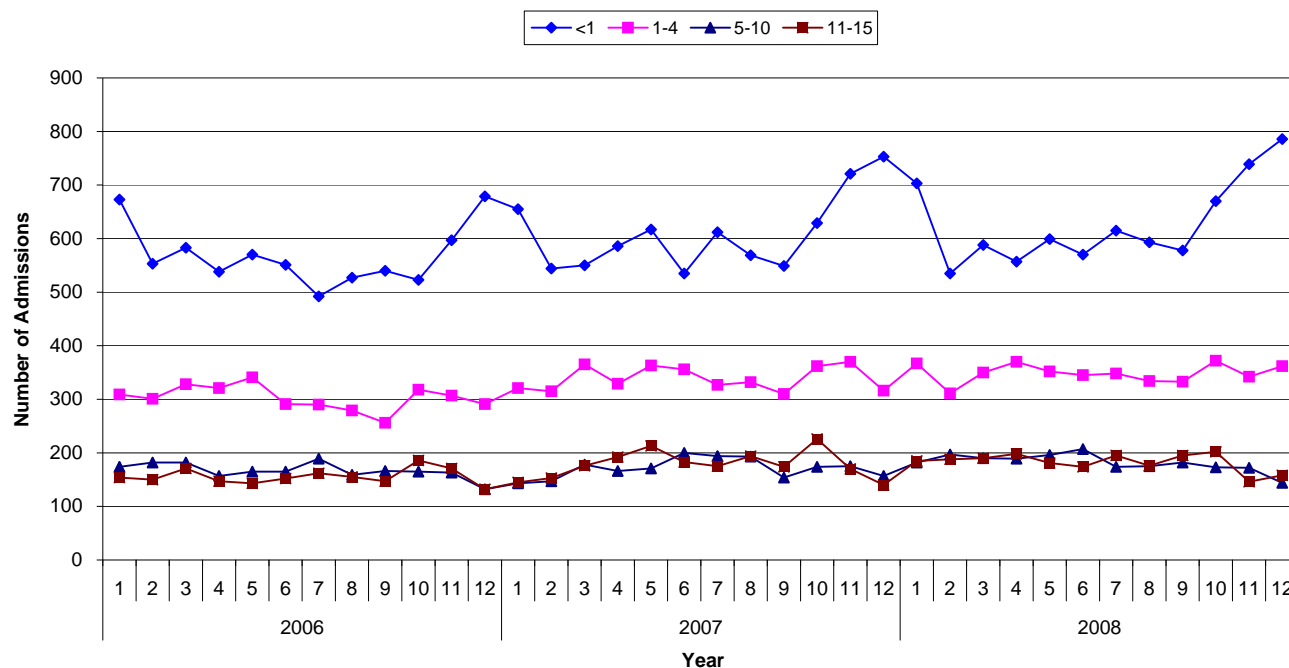


Table 7 Admissions by month and primary diagnostic group, 2006 - 2008

Year	Month	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	%
2006	1	13	(1)	26	(2)	367	(28)	34	(3)	78	(6)	80	(6)	2	(0)	50	(4)	153	(12)	52	(4)	54	(4)	369	(28)	31	(2)	1	(0)	1,310	(9.1)
	2	12	(1)	24	(2)	336	(28)	36	(3)	72	(6)	68	(6)	3	(0)	41	(3)	136	(11)	52	(4)	41	(3)	326	(27)	34	(3)	5	(0)	1,186	(8.3)
	3	11	(1)	28	(2)	391	(31)	37	(3)	71	(6)	73	(6)	4	(0)	54	(4)	175	(14)	40	(3)	47	(4)	296	(23)	33	(3)	4	(0)	1,264	(8.8)
	4	10	(1)	20	(2)	372	(32)	26	(2)	86	(7)	75	(6)	6	(1)	33	(3)	129	(11)	45	(4)	47	(4)	270	(23)	42	(4)	2	(0)	1,163	(8.1)
	5	8	(1)	34	(3)	396	(32)	30	(2)	85	(7)	51	(4)	3	(0)	49	(4)	141	(12)	42	(3)	56	(5)	271	(22)	52	(4)	1	(0)	1,219	(8.5)
	6	11	(1)	27	(2)	406	(35)	21	(2)	91	(8)	45	(4)	7	(1)	58	(5)	121	(10)	33	(3)	57	(5)	228	(20)	51	(4)	3	(0)	1,159	(8.1)
	7	8	(1)	28	(2)	372	(33)	34	(3)	94	(8)	49	(4)	2	(0)	37	(3)	110	(10)	64	(6)	59	(5)	219	(19)	55	(5)	3	(0)	1,134	(7.9)
	8	5	(0)	23	(2)	417	(37)	29	(3)	81	(7)	56	(5)	4	(0)	43	(4)	114	(10)	45	(4)	52	(5)	174	(16)	70	(6)	7	(1)	1,120	(7.8)
	9	9	(1)	33	(3)	381	(34)	27	(2)	87	(8)	47	(4)	2	(0)	45	(4)	118	(11)	47	(4)	58	(5)	203	(18)	47	(4)	5	(0)	1,109	(7.7)
	10	11	(1)	24	(2)	372	(31)	27	(2)	84	(7)	55	(5)	4	(0)	67	(6)	118	(10)	48	(4)	58	(5)	269	(23)	52	(4)	3	(0)	1,192	(8.3)
	11	15	(1)	24	(2)	380	(31)	23	(2)	92	(7)	59	(5)	6	(0)	48	(4)	128	(10)	36	(3)	41	(3)	340	(27)	40	(3)	6	(0)	1,238	(8.6)
	12	12	(1)	24	(2)	288	(23)	37	(3)	76	(6)	53	(4)	5	(0)	26	(2)	139	(11)	33	(3)	38	(3)	462	(37)	34	(3)	7	(1)	1,234	(8.6)
2006 Total		125	(0.9)	315	(2.2)	4,478	(31.3)	361	(2.5)	997	(7.0)	711	(5.0)	48	(0.3)	551	(3.8)	1,582	(11.0)	537	(3.7)	608	(4.2)	3,427	(23.9)	541	(3.8)	47	(0.3)	14,328	
2007	1	11	(1)	31	(2)	366	(29)	21	(2)	68	(5)	70	(6)	5	(0)	33	(3)	138	(11)	40	(3)	39	(3)	400	(32)	35	(3)	7	(1)	1,264	(8.1)
	2	6	(1)	13	(1)	340	(29)	29	(3)	65	(6)	77	(7)	2	(0)	31	(3)	135	(12)	35	(3)	31	(3)	355	(31)	36	(3)	4	(0)	1,159	(7.4)
	3	8	(1)	21	(2)	354	(28)	33	(3)	84	(7)	80	(6)	3	(0)	62	(5)	134	(11)	39	(3)	79	(6)	334	(26)	34	(3)	4	(0)	1,269	(8.1)
	4	17	(1)	30	(2)	358	(28)	28	(2)	83	(7)	55	(4)	3	(0)	47	(4)	155	(12)	52	(4)	65	(5)	303	(24)	72	(6)	5	(0)	1,273	(8.2)
	5	15	(1)	34	(2)	412	(30)	47	(3)	83	(6)	72	(5)	4	(0)	66	(5)	135	(10)	44	(3)	82	(6)	312	(23)	49	(4)	9	(1)	1,364	(8.8)
	6	19	(1)	37	(3)	370	(29)	33	(3)	91	(7)	59	(5)	6	(0)	58	(5)	144	(11)	51	(4)	65	(5)	296	(23)	42	(3)	3	(0)	1,274	(8.2)
	7	17	(1)	25	(2)	425	(32)	39	(3)	81	(6)	55	(4)	3	(0)	57	(4)	141	(11)	43	(3)	79	(6)	281	(21)	58	(4)	4	(0)	1,308	(8.4)
	8	13	(1)	38	(3)	398	(31)	30	(2)	98	(8)	58	(5)	0	(0)	46	(4)	138	(11)	63	(5)	75	(6)	258	(20)	67	(5)	6	(0)	1,288	(8.3)
	9	9	(1)	40	(3)	394	(33)	34	(3)	76	(6)	46	(4)	5	(0)	50	(4)	116	(10)	39	(3)	71	(6)	249	(21)	49	(4)	9	(1)	1,187	(7.6)
	10	12	(1)	28	(2)	441	(32)	34	(2)	86	(6)	74	(5)	5	(0)	66	(5)	162	(12)	35	(3)	49	(4)	349	(25)	48	(3)	2	(0)	1,391	(8.9)
	11	22	(2)	29	(2)	394	(27)	27	(2)	80	(6)	64	(4)	7	(0)	56	(4)	125	(9)	49	(3)	77	(5)	468	(33)	32	(2)	6	(0)	1,436	(9.2)
	12	14	(1)	27	(2)	306	(22)	32	(2)	72	(5)	92	(7)	1	(0)	23	(2)	138	(10)	45	(3)	56	(4)	532	(39)	22	(2)	6	(0)	1,366	(8.8)
2007 Total		163	(1.0)	353	(2.3)	4,558	(29.3)	387	(2.5)	967	(6.2)	802	(5.1)	44	(0.3)	595	(3.8)	1,661	(10.7)	535	(3.4)	768	(4.9)	4,137	(26.6)	544	(3.5)	65	(0.4)	15,579	
2008	1	15	(1)	20	(1)	388	(27)	38	(3)	101	(7)	112	(8)	4	(0)	41	(3)	185	(13)	49	(3)	79	(5)	371	(26)	26	(2)	8	(1)	1,437	(8.9)
	2	8	(1)	23	(2)	339	(28)	37	(3)	76	(6)	76	(6)	5	(0)	49	(4)	144	(12)	47	(4)	72	(6)	308	(25)	40	(3)	8	(1)	1,232	(7.7)
	3	19	(1)	25	(2)	369	(28)	28	(2)	94	(7)	70	(5)	3	(0)	49	(4)	158	(12)	54	(4)	85	(6)	317	(24)	42	(3)	5	(0)	1,318	(8.2)
	4	17	(1)	34	(3)	378	(29)	33	(3)	84	(6)	86	(7)	7	(1)	61	(5)	155	(12)	47	(4)	70	(5)	291	(22)	44	(3)	7	(1)	1,314	(8.2)
	5	12	(1)	22	(2)	375	(28)	36	(3)	92	(7)	80	(6)	2	(0)	45	(3)	174	(13)	48	(4)	88	(7)	297	(22)	52	(4)	5	(0)	1,328	(8.3)
	6	24	(2)	16	(1)	417	(32)	30	(2)	95	(7)	65	(5)	5	(0)	54	(4)	167	(13)	45	(3)	74	(6)	247	(19)	53	(4)	4	(0)	1,296	(8.1)
	7	21	(2)	30	(2)	437	(33)	39	(3)	89	(7)	68	(5)	1	(0)	55	(4)	148	(11)	46	(3)	81	(6)	258	(19)	52	(4)	7	(1)	1,332	(8.3)
	8	17	(1)	23	(2)	420	(33)	31	(2)	104	(8)	61	(5)	5	(0)	54	(4)	136	(11)	42	(3)	79	(6)	248	(19)	52	(4)	6	(0)	1,278	(7.9)
	9	18	(1)	27	(2)	368	(29)	32	(2)	98	(8)	44	(3)	1	(0)	47	(4)	157	(12)	41	(3)	95	(7)	312	(24)	41	(3)	7	(1)	1,288	(8.0)
	10	17	(1)	38	(3)	421	(30)	37	(3)	74	(5)	76	(5)	3	(0)	60	(4)	146	(10)	47	(3)	107	(8)	342	(24)	43	(3)	6	(0)	1,417	(8.8)
	11	12	(1)	23	(2)	314	(22)	31	(2)	80	(6)	81	(6)	5	(0)	39	(3)	126	(9)	33	(2)	96	(7)	520	(37)	32	(2)	7	(1)	1,399	(8.7)
	12	18	(1)	32	(2)	318	(22)	24	(2)	73	(5)	123	(8)	1	(0)	28	(2)	156	(11)	51	(4)	71	(5)	512	(35)	24	(2)	19	(1)	1,450	(9.0)
2008 Total		198	(1.2)	313	(1.9)	4,544	(28.2)	396	(2.5)	1,060	(6.6)	942	(5.9)	42	(0.3)	582	(3.6)	1,852	(11.5)	550	(3.4)	997	(6.2)	4,023	(25.0)	501	(3.1)	89	(0.6)	16,089	
Grand Total		486	(1.1)	981	(2.1)	13,580	(29.5)	1,144	(2.5)	3,024	(6.6)	2,455	(5.3)	134	(0.3)	1,728	(3.8)	5,095	(11.1)	1,622	(3.5)	2,373	(5.2)	11,587	(25.2)	1,586	(3.4)	201	(0.4)	45,996	

Figure 7 Admissions by month and primary diagnostic group, 2006 - 2008

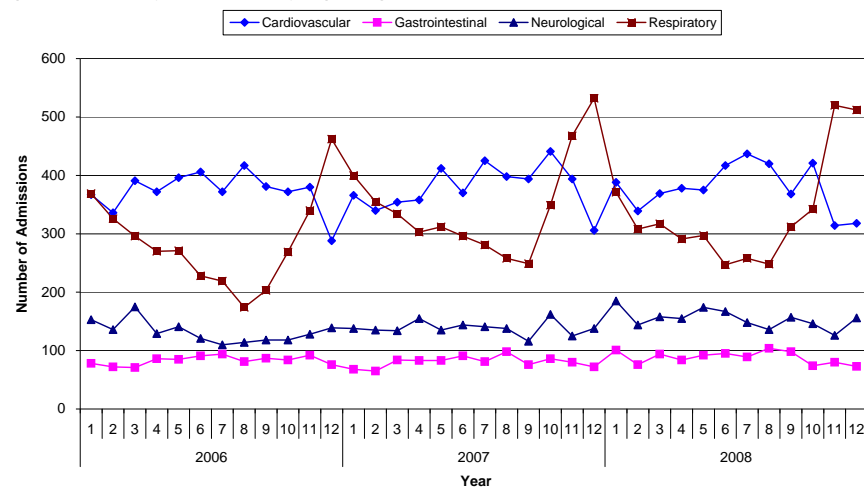


Table 8 Respiratory admissions by month and age, 2006 - 2008

Table 6 Respiratory admissions by month and age, 2006 - 2008											
Year	Month	Age Group (Years)								Total	
		<1		1-4		5-10		11-15			
		n	%	n	%	n	%	n	%	n	%
2006	1	231	(63)	77	(21)	39	(11)	22	(6)	369	(10.8)
	2	155	(48)	87	(27)	57	(17)	27	(8)	326	(9.5)
	3	152	(51)	76	(26)	46	(16)	22	(7)	296	(8.6)
	4	140	(52)	86	(32)	29	(11)	15	(6)	270	(7.9)
	5	134	(49)	88	(32)	30	(11)	19	(7)	271	(7.9)
	6	128	(56)	59	(26)	27	(12)	14	(6)	228	(6.7)
	7	100	(46)	56	(26)	36	(16)	27	(12)	219	(6.4)
	8	85	(49)	53	(30)	19	(11)	17	(10)	174	(5.1)
	9	89	(44)	55	(27)	34	(17)	25	(12)	203	(5.9)
	10	98	(36)	101	(38)	44	(16)	26	(10)	269	(7.8)
	11	169	(50)	97	(29)	50	(15)	24	(7)	340	(9.9)
	12	297	(64)	110	(24)	29	(6)	26	(6)	462	(13.5)
2006 Total		1,778	(51.9)	945	(27.6)	440	(12.8)	264	(7.7)	3,427	
2007	1	254	(64)	94	(24)	28	(7)	24	(6)	400	(9.7)
	2	186	(52)	99	(28)	42	(12)	28	(8)	355	(8.6)
	3	150	(45)	116	(35)	38	(11)	30	(9)	334	(8.1)
	4	144	(48)	99	(33)	33	(11)	27	(9)	303	(7.3)
	5	134	(43)	105	(34)	34	(11)	39	(13)	312	(7.5)
	6	125	(42)	101	(34)	47	(16)	23	(8)	296	(7.2)
	7	124	(44)	82	(29)	49	(17)	26	(9)	281	(6.8)
	8	114	(44)	83	(32)	33	(13)	28	(11)	258	(6.2)
	9	110	(44)	80	(32)	26	(10)	33	(13)	249	(6.0)
	10	155	(44)	106	(30)	54	(15)	34	(10)	349	(8.4)
	11	272	(58)	124	(26)	44	(9)	28	(6)	468	(11.3)
	12	351	(66)	107	(20)	41	(8)	33	(6)	532	(12.9)
2007 Total		2,119	(51.2)	1,196	(28.9)	469	(11.3)	353	(8.5)	4,137	
2008	1	218	(59)	91	(25)	37	(10)	25	(7)	371	(9.2)
	2	154	(50)	84	(27)	41	(13)	29	(9)	308	(7.7)
	3	151	(48)	101	(32)	37	(12)	28	(9)	317	(7.9)
	4	126	(43)	96	(33)	35	(12)	34	(12)	291	(7.2)
	5	134	(45)	94	(32)	35	(12)	34	(11)	297	(7.4)
	6	108	(44)	73	(30)	38	(15)	28	(11)	247	(6.1)
	7	118	(46)	90	(35)	26	(10)	24	(9)	258	(6.4)
	8	112	(45)	88	(35)	25	(10)	23	(9)	248	(6.2)
	9	128	(41)	113	(36)	42	(13)	29	(9)	312	(7.8)
	10	163	(48)	113	(33)	34	(10)	32	(9)	342	(8.5)
	11	316	(61)	132	(25)	47	(9)	25	(5)	520	(12.9)
	12	315	(62)	132	(26)	36	(7)	29	(6)	512	(12.7)
2008 Total		2,043	(50.8)	1,207	(30.0)	433	(10.8)	340	(8.5)	4,023	
Grand Total		5,940	(51.3)	3,348	(28.9)	1,342	(11.6)	957	(8.3)	11,587	

Figure 8 Respiratory admissions by month and age, 2006 - 2008

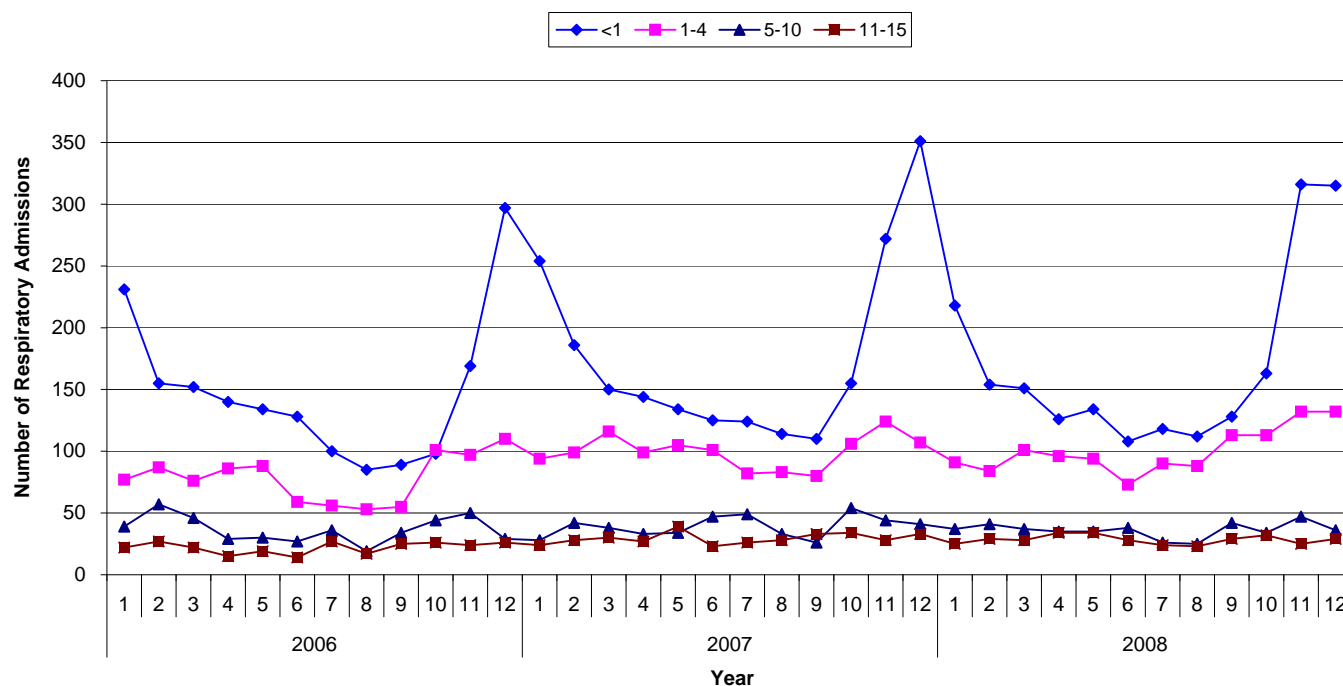


Table 9 Admissions by month by NHS trust, 2006 - 2008

Table 9 Admissions by month by NHS trust, 2006 - 2008																											
Year	NHS Trust	January		February		March		April		May		June		July		August		September		October		November		December		Total	
		n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
2006	A	30	(7)	47	(10)	35	(8)	27	(6)	38	(8)	39	(9)	37	(8)	35	(8)	46	(10)	32	(7)	48	(11)	449	(3.1)		
	B	15	(7)	26	(11)	23	(10)	13	(6)	19	(8)	18	(8)	15	(7)	22	(10)	21	(9)	12	(5)	26	(11)	17	(7)	227	(1.6)
	C	35	(12)	29	(10)	29	(10)	16	(5)	25	(8)	20	(7)	20	(7)	22	(7)	21	(9)	26	(9)	29	(10)	29	(10)	301	(2.1)
	D	68	(12)	59	(10)	47	(8)	46	(8)	49	(9)	36	(6)	48	(8)	39	(7)	47	(8)	43	(8)	49	(9)	40	(7)	571	(4.0)
	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	(11.2)
	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	(7.6)
	G	4	(11)	7	(19)	4	(11)	4	(11)	2	(6)	3	(8)	2	(6)	2	(6)	3	(8)	0	(0)	2	(6)	3	(8)	3	(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	(2.2)
	I	75	(8)	80	(9)	76	(8)	64	(7)	80	(9)	63	(7)	78	(9)	63	(7)	60	(7)	86	(9)	77	(8)	107	(12)	909	(6.3)
	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	(0.5)
	K	93	(10)	76	(8)	92	(10)	88	(10)	74	(8)	78	(9)	58	(6)	57	(6)	76	(8)	65	(7)	77	(8)	73	(8)	907	(6.3)
	L	28	(9)	17	(6)	25	(8)	29	(10)	19	(6)	26	(9)	20	(7)	22	(7)	27	(9)	28	(9)	27	(9)	31	(10)	299	(2.1)
	M	42	(10)	33	(8)	38	(9)	40	(10)	32	(8)	24	(6)	35	(9)	31	(8)	29	(7)	35	(9)	34	(8)	31	(8)	404	(2.8)
	N	29	(11)	21	(8)	22	(8)	22	(8)	17	(6)	26	(9)	19	(7)	23	(8)	23	(8)	29	(11)	27	(10)	17	(6)	275	(1.9)
	O	54	(8)	45	(7)	47	(7)	50	(8)	64	(10)	55	(8)	53	(8)	72	(11)	53	(8)	65	(10)	60	(9)	39	(6)	657	(4.6)
	P	108	(10)	103	(9)	114	(10)	80	(7)	88	(8)	97	(9)	88	(8)	82	(7)	70	(6)	77	(7)	99	(9)	96	(9)	1,102	(7.7)
	Q	42	(8)	47	(9)	46	(9)	46	(9)	39	(8)	47	(9)	31	(6)	36	(7)	36	(7)	51	(10)	43	(9)	39	(8)	503	(3.5)
	R	68	(10)	56	(9)	64	(10)	46	(7)	63	(10)	60	(9)	42	(6)	46	(7)	50	(8)	54	(8)	52	(8)	55	(8)	656	(4.6)
	S	16	(9)	11	(6)	17	(9)	17	(9)	19	(10)	19	(10)	14	(7)	13	(7)	17	(9)	14	(7)	14	(7)	17	(9)	188	(1.3)
	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	(3.1)
	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	(2.6)
	V	92	(9)	66	(6)	64	(6)	87	(8)	88	(8)	79	(8)	97	(9)	105	(10)	80	(8)	91	(9)	99	(9)	98	(9)	1,046	(7.3)
	W	61	(10)	49	(8)	64	(10)	51	(8)	57	(9)	57	(9)	50	(8)	50	(8)	52	(8)	45	(10)	72	(8)	54	(8)	642	(4.5)
	X	76	(9)	62	(7)	73	(8)	82	(9)	81	(9)	79	(9)	68	(8)	67	(8)	70	(8)	86	(10)	72	(8)	60	(7)	876	(6.1)
	Y	30	(8)	34	(9)	45	(11)	37	(9)	38	(10)	26	(7)	27	(7)	33	(8)	23	(6)	35	(9)	34	(9)	34	(9)	396	(2.8)
2006 Total		1,310	(9.1)	1,186	(8.3)	1,264	(8.8)	1,163	(8.1)	1,219	(8.5)	1,159	(8.1)	1,134	(7.9)	1,120	(7.8)	1,109	(7.7)	1,192	(8.3)	1,238	(8.6)	1,349	(8.6)	14,328	
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	(3.3)
	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	(1.1)
	C	34	(11)	29	(9)	26	(8)	24	(8)	21	(7)	30	(9)	27	(9)	20	(6)	21	(7)	29	(9)	32	(10)	24	(8)	317	(2.0)
	D	58	(9)	66	(10)	42	(7)	43	(7)	53	(8)	49	(8)	55	(9)	59	(9)	37	(6)	53	(8)	66	(10)	58	(9)	639	(4.1)
	E	107	(7)	93	(6)	121	(8)	115	(8)	119	(8)	129	(9)	138	(9)	148	(10)	125	(8)	129	(9)	133	(9)	116	(8)	1,473	(9.5)
	F	105	(9)	92	(8)	98	(8)	87	(7)	101	(8)	93	(8)	100	(8)	98	(8)	84	(7)	115	(10)	121	(10)	103	(9)	1,197	(7.7)
	G	4	(9)	3	(7)	3	(7)	0	(0)	6	(13)	5	(11)	5	(11)	4	(9)	4	(9)	3	(7)	3	(7)	5	(11)	45	(0.3)
	H	19	(7)	21	(7)	36	(12)	24	(8)	27	(9)	25	(9)	27	(9)	14	(5)	38	(13)	17	(6)	13	(4)	29	(10)	290	(1.9)
	I	77	(9)	79	(9)	80	(9)	73	(8)	82	(9)	67	(7)	85	(9)	69	(8)	70	(8)	71	(8)	84	(9)	64	(7)	901	(5.8)
	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	(0.8)
	K	77	(8)	80	(9)	74	(8)	61	(7)	75	(8)	75	(8)	73	(8)	73	(8)	76	(8)	97	(10)	87	(9)	89	(9)	937	(6.0)
	L	29	(8)	32	(9)	30	(8)	32	(9)	32	(9)	21	(6)	25	(7)	24	(7)	18	(5)	38	(11)	38	(11)	36	(10)	355	(2.3)
	M	42	(12)	42	(12)	43	(12)	31	(9)	33	(9)	31	(9)	20	(6)	16	(5)	21	(6)	19	(5)	30	(9)	21	(6)	349	(2.2)
	N	27	(9)	15	(5)	25	(8)	25	(8)	25	(8)	31	(10)	36	(11)	26	(8)	25	(8)	29	(9)	24	(8)	26	(8)	314	(2.0)
	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	(4.1)
	P	89	(8)	83	(8)	84	(8)	78	(7)	97	(9)	83	(8)	86	(8)	94	(9)	82	(8)	100	(9)	96	(9)	95	(9)	1,067	(6.8)
	Q	42	(7)	36	(6)	50	(8)	60	(10)	60	(10)	47	(8)	56	(9)	53	(9)	48	(8)	53	(9)	39	(6)	62	(10)	606	(3.9)
	R	69	(10)	58	(8)	65	(9)	46	(6)	57	(8)	48	(7)	72	(10)	66	(9)	43	(6)	67	(9)	67	(9)	67	(9)	725	(4.7)
	S	18	(9)	14	(7)	17	(9)	16	(8)	15	(8)	22	(12)	22	(12)	8	(4)	13	(7)	12	(6)	15	(8)	18	(9)	190	(1.2)
	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	(2.5)
	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	(2.4)
	V	96	(8)	76	(7)	97	(8)	84	(7)	84	(7)	92	(8)	87	(8)	98	(9)	103	(9)	108	(9)	111	(10)	115	(10)	1,151	(7.4)
	W	53	(8)	57	(8)	55	(8)	63	(9)	49	(7)	53	(8)	53	(8)	51	(7)	50	(7)	61	(9)	76	(11)	68	(10)	689	(4.4)
	X	65	(9)	58	(8)	62	(9)	63	(9)	77	(11)	57	(8)	55	(8)	55	(8)	58	(8)	64	(9)	46	(6)	63	(9)	723	(4.6)
	Y	35	(8)	36	(8)	43	(10)	38	(9)	39	(9)	36	(8)	26	(6)	32	(8)	29	(7)	36	(8)	42	(10)	32	(8)	424	(2.7)
	Z	0	(0)	11	(3)	31	(9)	37	(10)	38	(11)	33	(9)	26	(7)	30	(8)	37	(10)	43	(12)	39	(11)	34	(9)	359	(2.3)
	ZA	0	(0)	0	(0)	0	(0)	80	(13)	80	(13)	73	(11)	61	(10)	85	(13)	60	(9)	59	(9)	81	(13)	57	(9)	636	(4.1)
2007 Total		1,264	(8.1)	1,159	(7.4)	1,269	(8.1)	1,273	(8.2)	1,364	(8.8)	1,274	(8.2)	1,308	(8.4)	1,288	(8.3)	1,187	(7.6)	1,391	(8.9)	1,436	(9.2)	1,366	(8.8)	15,579	
2008	A	49	(10)	36	(8)	39	(8)	34	(7)	36	(8)	39	(8)	29	(6)	37	(8)	49	(10)	41	(9)	37	(8)	44	(9)	470	(2.9)
	B	30	(11)	29	(10)	29	(10)	29	(10)	25	(9)	22	(8)	16	(6)	22	(8)	27	(10)	24	(8)	13	(5)	18	(6)	284	(1.8)
	C	32	(10)	21	(7)	27	(9)	23	(7)	30	(10)	22	(7)	21	(7)	18	(6)	23	(7)	32	(10)	30	(10)	29	(9)	308	(1.9)
	D	60	(9)	64	(10)	54	(8)	64	(10)	52	(8)	47	(7)	52	(8)	50	(8)	47	(7)	54	(8)	62	(9)	51	(8)	657	(4.1)
	E	132	(8)	134	(9)	108	(7)	116	(7)	142	(9)	140	(9)	133	(8)	135	(9)	125	(8)	150	(10)	127	(8)	124	(8)	1,566	(9.7)
	F	87	(8)	83	(7)	101	(9)	83	(7)	103	(9)	101	(9)	105	(9)	98	(8)	86	(7)	92	(8)	106	(9)	111	(10)	1,156	(7.2)
	G	4	(13)	7	(23)	0	(0)	3	(10)	2	(6)	1	(3)	1	(3)	2	(6)	2	(6)	5	(16)	3	(7)	3	(7)	31	(0.2)
	H	30	(8)	18	(5)	25	(7)	21	(5)	36	(9)	22	(6)	21	(5)	31	(8)	42	(11)	51	(13)	48	(13)	37	(10)	382	(2.4)
	I	92	(11)	70	(8)	67	(8)	81	(10)	70	(8)	58	(7)	60	(7)	50	(8										

Table 10 Admissions by SHA / HB and year, 2006 - 2008

CountrySHA		Year						Total	
		2006		2007		2008			
		n	%	n	%	n	%		
Channel Islands	Alderney	0	(0)	0	(0)	2	(100)	2	(2.6)
	Guernsey (and Sark)	5	(20)	9	(36)	11	(44)	25	(32.1)
	Jersey	15	(29)	15	(29)	21	(41)	51	(65.4)
Channel Islands Total		20	(25.6)	24	(30.8)	34	(43.6)	78	
England	East Midlands	1,268	(37)	1,136	(33)	992	(29)	3,396	(8.5)
	East of England	1,183	(32)	1,320	(36)	1,207	(33)	3,710	(9.3)
	London	2,293	(30)	2,602	(34)	2,724	(36)	7,619	(19.2)
	North East	975	(34)	963	(34)	923	(32)	2,861	(7.2)
	North West	1,641	(32)	1,706	(33)	1,749	(34)	5,096	(12.8)
	South Central	794	(32)	830	(34)	846	(34)	2,470	(6.2)
	South East Coast	1,138	(33)	1,110	(32)	1,237	(35)	3,485	(8.8)
	South West	829	(33)	826	(33)	868	(34)	2,523	(6.3)
	West Midlands	1,352	(32)	1,403	(34)	1,419	(34)	4,174	(10.5)
	Yorkshire and the Humber	1,440	(32)	1,539	(35)	1,452	(33)	4,431	(11.1)
England Total		12,913	(32.5)	13,435	(33.8)	13,417	(33.7)	39,765	
Isle of Man	Isle of Man	14	(41)	10	(29)	10	(29)	34	(100.0)
Isle of Man Total		14	(41.2)	10	(29.4)	10	(29.4)	34	
Northern Ireland	Eastern Health Board	5	(5)	17	(16)	83	(79)	105	(37.5)
	Northern Health Board	3	(4)	7	(9)	70	(88)	80	(28.6)
	Southern Health Board	12	(21)	6	(11)	38	(68)	56	(20.0)
	Western Health Board	10	(26)	7	(18)	22	(56)	39	(13.9)
Northern Ireland Total		30	(10.7)	37	(13.2)	213	(76.1)	280	
Scotland	Argyll and Clyde	10	(4)	99	(43)	123	(53)	232	(7.9)
	Ayrshire & Arran	14	(8)	60	(36)	92	(55)	166	(5.7)
	Borders	16	(21)	34	(44)	28	(36)	78	(2.7)
	Dumfries and Galloway	11	(14)	34	(44)	32	(42)	77	(2.6)
	Fife	67	(27)	84	(34)	93	(38)	244	(8.4)
	Forth Valley	25	(14)	52	(29)	102	(57)	179	(6.1)
	Grampian	31	(22)	50	(35)	61	(43)	142	(4.9)
	Greater Glasgow	24	(4)	230	(39)	338	(57)	592	(20.3)
	Highland	18	(18)	41	(41)	40	(40)	99	(3.4)
	Lanarkshire	19	(7)	110	(39)	156	(55)	285	(9.8)
	Lothian	149	(25)	209	(35)	246	(41)	604	(20.7)
	Orkney	5	(45)	4	(36)	2	(18)	11	(0.4)
	Shetland	3	(20)	5	(33)	7	(47)	15	(0.5)
	Tayside	39	(21)	72	(40)	71	(39)	182	(6.2)
	Western Isles	1	(7)	9	(60)	5	(33)	15	(0.5)
Scotland Total		432	(14.8)	1,093	(37.4)	1,396	(47.8)	2,921	
Wales	Welsh Health Authorities	588	(31)	648	(35)	634	(34)	1,870	(100.0)
Wales Total		588	(31.4)	648	(34.7)	634	(33.9)	1,870	
Non-UK / Missing	Non-UK	317	(36)	280	(32)	274	(31)	871	(83.1)
	Missing	14	(8)	52	(29)	111	(63)	177	(16.9)
Non-UK / Missing Total		331	(31.6)	332	(31.7)	385	(36.7)	1,048	
Grand Total		14,328	(31.2)	15,579	(33.9)	16,089	(35.0)	45,996	

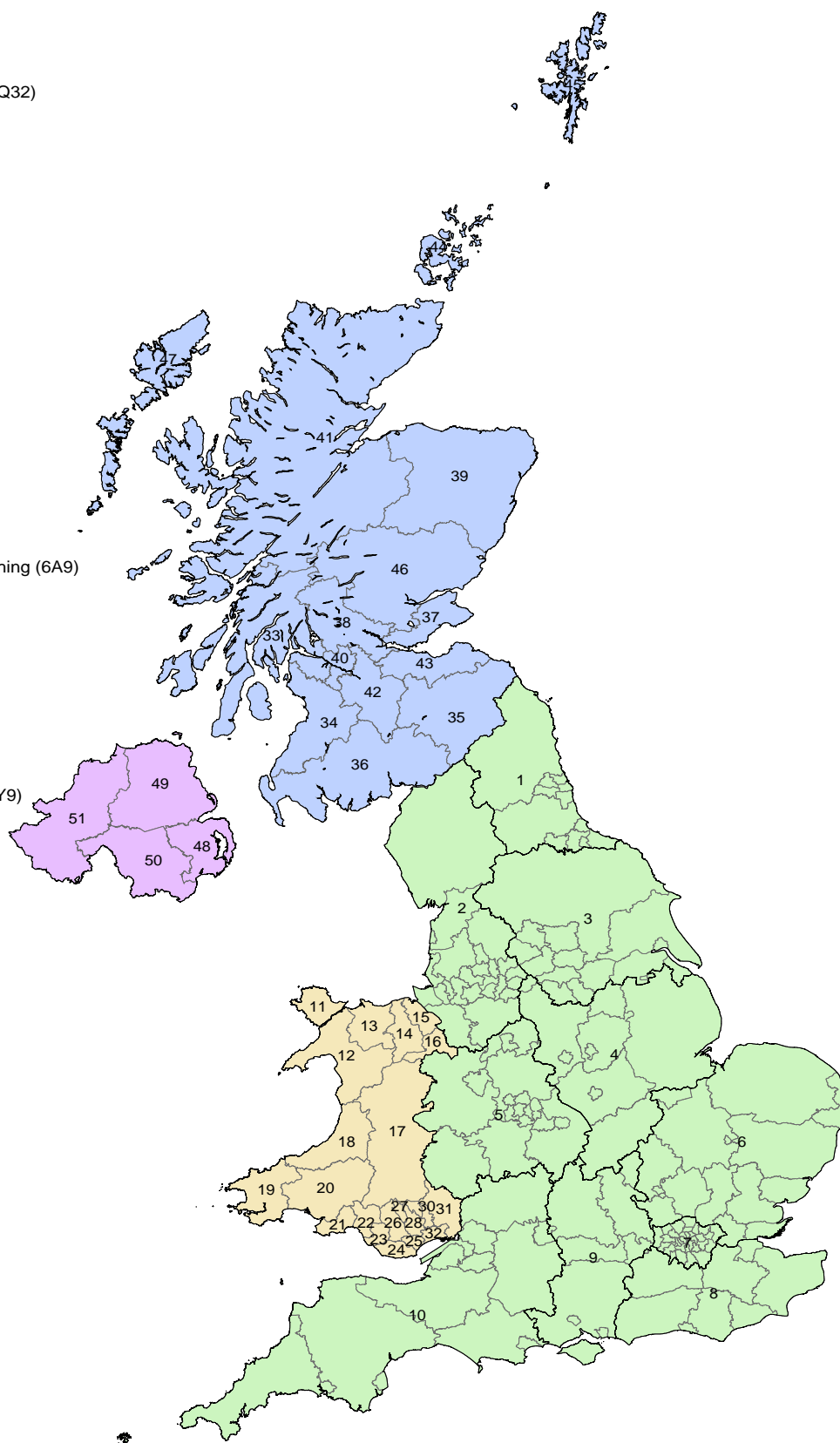
**Figure 10 Map showing SHA / HB / PCO boundaries**

England (64)  
 1 - North East (Q30)  
 2 - North West (Q31)  
 3 - Yorkshire and the Humber (Q32)  
 4 - East Midlands (Q33)  
 5 - West Midlands (Q34)  
 6 - East of England (Q35)  
 7 - London (Q36)  
 8 - South East Coast (Q37)  
 9 - South Central (Q38)  
 10 - South West (Q39)

Wales (220)  
 11 - Anglesey (6B1)  
 12 - Gwynedd (6A2)  
 13 - Conwy (6A7)  
 14 - Denbighshire (6C1)  
 15 - Flintshire (6B5)  
 16 - Wrexham (6B4)  
 17 - Powys Teaching (6C4)  
 18 - Ceredigion (6A4)  
 19 - Pembrokeshire (6A3)  
 20 - Carmarthenshire (6B7)  
 21 - Swansea (6A6)  
 22 - Neath Port Talbot (6A5)  
 23 - Bridgend (6B3)  
 24 - Vale of Glamorgan (6B6)  
 25 - Cardiff (6A8)  
 26 - Rhondda Cynon Taff Teaching (6A9)  
 27 - Merthyr Tydfil (6B8)  
 28 - Caerphilly Teaching (6B2)  
 29 - Blaenau Gwent (6C2)  
 30 - Torfaen (6C3)  
 31 - Monmouthshire (6A1)  
 32 - Newport (6B9)

Scotland (179)  
 33 - Argyll & Clyde (SC9)  
 34 - Ayrshire & Arran (SA9)  
 35 - Borders (SB9)  
 36 - Dumfries and Galloway (SY9)  
 37 - Fife (SF9)  
 38 - Forth Valley (SV9)  
 39 - Grampian (SN9)  
 40 - Greater Glasgow (SG9)  
 41 - Highland (SH9)  
 42 - Lanarkshire (SL9)  
 43 - Lothian (SS9)  
 44 - Orkney (SR9)  
 45 - Shetland (SZ9)  
 46 - Tayside (ST9)  
 47 - Western Isles (SW9)

Northern Ireland (152)  
 48 - Eastern (ZE0)  
 49 - Northern (ZN0)  
 50 - Southern (ZS0)  
 51 - Western (ZW0)



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England is split into 10 Strategic Health Authorities and 152 Primary Care Organisations, which comprise 148 Primary Care Trusts (4 of which straddle SHA boundaries) and 4 Care Trusts.

Wales comprises a single health authority split into 22 Local Health Boards which are responsible for primary care.

Scotland is split into 15 Health Boards which are responsible for primary care.

The number of Health Boards in Scotland was recently reduced to 14 with Argyll & Clyde being absorbed by Highland and the re-named Greater Glasgow & Clyde. The data in this report relating to Scotland has been presented by the old structure as the NSPD has not yet been updated.

Northern Ireland is split into 4 Local Health and Social Care Groups which are responsible for primary care.

Table 11 Admissions by mortality risk group by NHS trust, 2006 - 2008

Year	NHS Trust	PIM Group										Total	
		<1%		1 - <5%		5 - <15%		15 - <30%		30%+			
		n	%	n	%	n	%	n	%	n	%	n	%
2006	A	101	(22)	234	(52)	99	(22)	13	(3)	2	(0)	449	(3.1)
	B	63	(28)	133	(59)	28	(12)	2	(1)	1	(0)	227	(1.6)
	C	42	(14)	127	(42)	107	(36)	16	(5)	9	(3)	301	(2.1)
	D	69	(12)	238	(42)	196	(34)	48	(8)	20	(4)	571	(4.0)
	E	136	(9)	836	(52)	490	(31)	88	(6)	49	(3)	1,599	(11.2)
	F	59	(5)	598	(55)	342	(31)	68	(6)	20	(2)	1,087	(7.6)
	G	0	(0)	7	(19)	22	(61)	2	(6)	5	(14)	36	(0.3)
	H	63	(20)	177	(56)	58	(18)	6	(2)	11	(3)	315	(2.2)
	I	196	(22)	475	(52)	197	(22)	29	(3)	12	(1)	909	(6.3)
	J	21	(28)	37	(50)	14	(19)	1	(1)	1	(1)	74	(0.5)
	K	191	(21)	459	(51)	196	(22)	42	(5)	19	(2)	907	(6.3)
	L	62	(21)	136	(45)	88	(29)	10	(3)	3	(1)	299	(2.1)
	M	83	(21)	189	(47)	110	(27)	13	(3)	9	(2)	404	(2.8)
	N	22	(8)	151	(55)	77	(28)	13	(5)	12	(4)	275	(1.9)
	O	57	(9)	508	(77)	74	(11)	13	(2)	5	(1)	657	(4.6)
	P	153	(14)	622	(56)	256	(23)	50	(5)	21	(2)	1,102	(7.7)
	Q	128	(25)	276	(55)	82	(16)	7	(1)	10	(2)	503	(3.5)
	R	111	(17)	361	(55)	129	(20)	33	(5)	22	(3)	656	(4.6)
	S	31	(16)	96	(51)	56	(30)	5	(3)	0	(0)	188	(1.3)
	T	127	(29)	204	(46)	93	(21)	13	(3)	5	(1)	442	(3.1)
U	12	(3)	115	(31)	180	(49)	46	(13)	14	(4)	367	(2.6)	
V	29	(3)	560	(54)	302	(29)	87	(8)	68	(7)	1,046	(7.3)	
W	33	(5)	340	(53)	204	(32)	41	(6)	24	(4)	642	(4.5)	
X	312	(36)	396	(45)	118	(13)	37	(4)	13	(1)	876	(6.1)	
Y	90	(23)	192	(48)	97	(24)	6	(2)	11	(3)	396	(2.8)	
2006 Total		2,191	(15.3)	7,467	(52.1)	3,615	(25.2)	689	(4.8)	366	(2.6)	14,328	
2007	A	119	(23)	259	(51)	109	(21)	14	(3)	11	(2)	512	(3.3)
	B	40	(23)	107	(63)	22	(13)	1	(1)	1	(1)	171	(1.1)
	C	29	(9)	116	(37)	138	(44)	28	(9)	6	(2)	317	(2.0)
	D	75	(12)	278	(44)	206	(32)	50	(8)	30	(5)	639	(4.1)
	E	158	(11)	821	(56)	368	(25)	94	(6)	32	(2)	1,473	(9.5)
	F	60	(5)	621	(52)	416	(35)	66	(6)	34	(3)	1,197	(7.7)
	G	0	(0)	19	(42)	15	(33)	3	(7)	8	(18)	45	(0.3)
	H	79	(27)	133	(46)	62	(21)	11	(4)	5	(2)	290	(1.9)
	I	182	(20)	461	(51)	204	(23)	37	(4)	17	(2)	901	(5.8)
	J	38	(32)	65	(55)	13	(11)	3	(3)	0	(0)	119	(0.8)
	K	154	(16)	514	(55)	209	(22)	41	(4)	19	(2)	937	(6.0)
	L	70	(20)	167	(47)	100	(28)	14	(4)	4	(1)	355	(2.3)
	M	69	(20)	156	(45)	101	(29)	15	(4)	8	(2)	349	(2.2)
	N	25	(8)	165	(53)	88	(28)	23	(7)	13	(4)	314	(2.0)
	O	72	(11)	470	(74)	77	(12)	11	(2)	8	(1)	638	(4.1)
	P	154	(14)	562	(53)	275	(26)	60	(6)	16	(1)	1,067	(6.8)
	Q	161	(27)	302	(50)	117	(19)	17	(3)	9	(1)	606	(3.9)
	R	112	(15)	384	(53)	184	(25)	31	(4)	14	(2)	725	(4.7)
	S	49	(26)	107	(56)	32	(17)	0	(0)	2	(1)	190	(1.2)
	T	107	(28)	177	(46)	72	(19)	19	(5)	10	(3)	385	(2.5)
U	12	(3)	99	(27)	208	(57)	32	(9)	16	(4)	367	(2.4)	
V	37	(3)	561	(49)	402	(35)	103	(9)	48	(4)	1,151	(7.4)	
W	33	(5)	395	(57)	215	(31)	33	(5)	13	(2)	689	(4.4)	
X	150	(21)	417	(58)	112	(15)	35	(5)	9	(1)	723	(4.6)	
Y	109	(26)	186	(44)	108	(25)	15	(4)	6	(1)	424	(2.7)	
Z	68	(19)	261	(73)	26	(7)	2	(1)	2	(1)	359	(2.3)	
ZA	155	(24)	314	(49)	123	(19)	29	(5)	15	(2)	636	(4.1)	
2007 Total		2,317	(14.9)	8,117	(52.1)	4,002	(25.7)	787	(5.1)	356	(2.3)	15,579	
2008	A	141	(30)	227	(48)	90	(19)	10	(2)	2	(0)	470	(2.9)
	B	71	(25)	178	(63)	31	(11)	2	(1)	2	(1)	284	(1.8)
	C	29	(9)	113	(37)	145	(47)	12	(4)	9	(3)	308	(1.9)
	D	88	(13)	305	(46)	191	(29)	46	(7)	27	(4)	657	(4.1)
	E	162	(10)	765	(49)	488	(31)	111	(7)	40	(3)	1,566	(9.7)
	F	91	(8)	569	(49)	397	(34)	72	(6)	27	(2)	1,156	(7.2)
	G	1	(3)	15	(48)	11	(35)	0	(0)	4	(13)	31	(0.2)
	H	194	(51)	143	(37)	35	(9)	5	(1)	5	(1)	382	(2.4)
	I	159	(19)	426	(52)	189	(23)	33	(4)	20	(2)	827	(5.1)
	J	44	(34)	69	(53)	14	(11)	0	(0)	2	(2)	129	(0.8)
	K	138	(15)	488	(53)	224	(24)	53	(6)	19	(2)	922	(5.7)
	L	61	(19)	138	(43)	92	(29)	21	(7)	7	(2)	319	(2.0)
	M	54	(16)	155	(47)	91	(28)	20	(6)	8	(2)	328	(2.0)
	N	19	(6)	147	(49)	96	(32)	22	(7)	16	(5)	300	(1.9)
	O	61	(10)	475	(78)	67	(11)	5	(1)	2	(0)	610	(3.8)
	P	175	(16)	553	(50)	313	(28)	54	(5)	17	(2)	1,112	(6.9)
	Q	121	(21)	279	(49)	143	(25)	17	(3)	11	(2)	571	(3.5)
	R	83	(12)	362	(53)	180	(26)	47	(7)	12	(2)	684	(4.3)
	S	44	(22)	100	(51)	41	(21)	8	(4)	3	(2)	196	(1.2)
	T	131	(28)	223	(47)	105	(22)	7	(1)	10	(2)	476	(3.0)
	U	18	(6)	112	(37)	148	(49)	19	(6)	4	(1)	301	(1.9)
	V	32	(3)	512	(47)	404	(37)	100	(9)	53	(5)	1,101	(6.8)
	W	48	(7)	412	(56)	220	(30)	33	(5)	18	(2)	731	(4.5)
	X	115	(17)	390	(56)	143	(21)	36	(5)	8	(1)	692	(4.3)
	Y	106	(23)	201	(44)	120	(26)	20	(4)	6	(1)	453	(2.8)
	Z	63	(16)	253	(65)	66	(17)	7	(2)	3	(1)	392	(2.4)
	ZA	225	(24)	465	(50)	189	(20)	31	(3)	14	(2)	924	(5.7)
	ZB	23	(14)	88	(53)	41	(25)	11	(7)	4	(2)	167	(1.0)
2008 Total		2,497	(15.5)	8,163	(50.7)	4,274	(26.6)	802	(5.0)	353	(2.2)	16,089	
Grand Total		7,005	(15.2)	23,747	(51.6)	11,891	(25.9)	2,278	(5.0)	1,075	(2.3)	45,996	



Table 12 Admissions by admission type and age, 2006- 2008

Admission Type	Age Group (Years)								Total	
	<1		1-4		5-10		11-15			
	n	%	n	%	n	%	n	%	n	%
Planned - following surgery	6,578	(43)	4,167	(27)	2,207	(14)	2,419	(16)	15,371	(33.4)
Unplanned - following surgery	974	(42)	608	(26)	388	(17)	358	(15)	2,328	(5.1)
Planned - other	1,902	(58)	617	(19)	386	(12)	371	(11)	3,277	(7.1)
Unplanned - other	12,204	(49)	6,477	(26)	3,245	(13)	3,047	(12)	24,973	(54.3)
Unknown	21	(45)	15	(32)	6	(13)	4	(9)	47	(0.1)
Total	21,679	(47.1)	11,884	(25.8)	6,232	(13.5)	6,199	(13.5)	45,996	

Figure 12 Admissions by admission type, 2006 - 2008

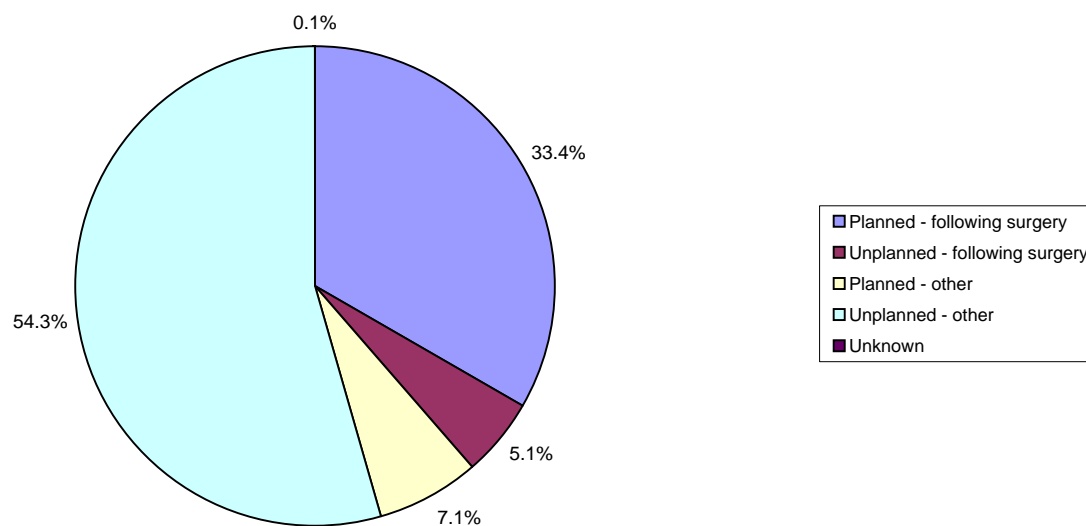


Table 13 Admissions by admission type by NHS trust, 2006 - 2008

Year	NHS Trust	Admission Type										Total	
		Planned - following surgery		Unplanned - following surgery		Planned - other		Unplanned - other		Unknown			
		n	%	n	%	n	%	n	%	n	%	n	%
2006	A	132	(29)	44	(10)	13	(3)	260	(58)	0	(0)	449	(3.1)
	B	64	(28)	40	(18)	11	(5)	112	(49)	0	(0)	227	(1.6)
	C	80	(27)	10	(3)	21	(7)	190	(63)	0	(0)	301	(2.1)
	D	105	(18)	69	(12)	40	(7)	357	(63)	0	(0)	571	(4.0)
	E	527	(33)	0	(0)	98	(6)	974	(61)	0	(0)	1,599	(11.2)
	F	394	(36)	59	(5)	23	(2)	611	(56)	0	(0)	1,087	(7.6)
	G	1	(3)	7	(19)	0	(0)	28	(78)	0	(0)	36	(0.3)
	H	101	(32)	16	(5)	72	(23)	126	(40)	0	(0)	315	(2.2)
	I	379	(42)	50	(6)	96	(11)	384	(42)	0	(0)	909	(6.3)
	J	20	(27)	16	(22)	2	(3)	36	(49)	0	(0)	74	(0.5)
	K	322	(36)	86	(9)	117	(13)	382	(42)	0	(0)	907	(6.3)
	L	41	(14)	22	(7)	30	(10)	206	(69)	0	(0)	299	(2.1)
	M	124	(31)	43	(11)	19	(5)	217	(54)	1	(0)	404	(2.8)
	N	128	(47)	21	(8)	5	(2)	121	(44)	0	(0)	275	(1.9)
	O	423	(64)	3	(0)	116	(18)	115	(18)	0	(0)	657	(4.6)
	P	491	(45)	20	(2)	39	(4)	552	(50)	0	(0)	1,102	(7.7)
	Q	124	(25)	14	(3)	23	(5)	339	(67)	3	(1)	503	(3.5)
	R	253	(39)	22	(3)	112	(17)	269	(41)	0	(0)	656	(4.6)
	S	29	(15)	9	(5)	15	(8)	135	(72)	0	(0)	188	(1.3)
	T	152	(34)	17	(4)	10	(2)	263	(60)	0	(0)	442	(3.1)
	U	22	(6)	8	(2)	4	(1)	333	(91)	0	(0)	367	(2.6)
	V	336	(32)	70	(7)	51	(5)	588	(56)	1	(0)	1,046	(7.3)
	W	239	(37)	20	(3)	10	(2)	373	(58)	0	(0)	642	(4.5)
	X	218	(25)	3	(0)	207	(24)	443	(51)	5	(1)	876	(6.1)
	Y	151	(38)	33	(8)	19	(5)	193	(49)	0	(0)	396	(2.8)
2006 Total		4,856	(33.9)	702	(4.9)	1,153	(8.0)	7,607	(53.1)	10	(0.1)	14,328	
2007	A	110	(21)	37	(7)	28	(5)	337	(66)	0	(0)	512	(3.3)
	B	41	(24)	21	(12)	9	(5)	100	(58)	0	(0)	171	(1.1)
	C	76	(24)	16	(5)	9	(3)	216	(68)	0	(0)	317	(2.0)
	D	114	(18)	55	(9)	45	(7)	425	(67)	0	(0)	639	(4.1)
	E	566	(38)	2	(0)	100	(7)	805	(55)	0	(0)	1,473	(9.5)
	F	414	(35)	67	(6)	26	(2)	690	(58)	0	(0)	1,197	(7.7)
	G	0	(0)	6	(13)	0	(0)	39	(87)	0	(0)	45	(0.3)
	H	87	(30)	12	(4)	59	(20)	132	(46)	0	(0)	290	(1.9)
	I	392	(44)	55	(6)	56	(6)	398	(44)	0	(0)	901	(5.8)
	J	38	(32)	14	(12)	1	(1)	66	(55)	0	(0)	119	(0.8)
	K	314	(34)	102	(11)	119	(13)	402	(43)	0	(0)	937	(6.0)
	L	44	(12)	17	(5)	41	(12)	253	(71)	0	(0)	355	(2.3)
	M	106	(30)	30	(9)	16	(5)	197	(56)	0	(0)	349	(2.2)
	N	127	(40)	25	(8)	5	(2)	157	(50)	0	(0)	314	(2.0)
	O	366	(57)	2	(0)	155	(24)	115	(18)	0	(0)	638	(4.1)
	P	478	(45)	8	(1)	31	(3)	550	(52)	0	(0)	1,067	(6.8)
	Q	175	(29)	16	(3)	26	(4)	388	(64)	1	(0)	606	(3.9)
	R	247	(34)	33	(5)	81	(11)	364	(50)	0	(0)	725	(4.7)
	S	46	(24)	5	(3)	18	(9)	121	(64)	0	(0)	190	(1.2)
	T	121	(31)	30	(8)	13	(3)	221	(57)	0	(0)	385	(2.5)
	U	19	(5)	11	(3)	6	(2)	331	(90)	0	(0)	367	(2.4)
	V	327	(28)	65	(6)	92	(8)	665	(58)	2	(0)	1,151	(7.4)
	W	241	(35)	27	(4)	13	(2)	408	(59)	0	(0)	689	(4.4)
	X	202	(28)	5	(1)	58	(8)	458	(63)	0	(0)	723	(4.6)
	Y	161	(38)	29	(7)	14	(3)	220	(52)	0	(0)	424	(2.7)
Z	46	(13)	21	(6)	28	(8)	259	(72)	5	(1)	359	(2.3)	
ZA	334	(53)	46	(7)	14	(2)	242	(38)	0	(0)	636	(4.1)	
2007 Total		5,192	(33.3)	757	(4.9)	1,063	(6.8)	8,559	(54.9)	8	(0.1)	15,579	
2008	A	143	(30)	35	(7)	18	(4)	274	(58)	0	(0)	470	(2.9)
	B	54	(19)	18	(6)	19	(7)	190	(67)	3	(1)	284	(1.8)
	C	78	(25)	14	(5)	4	(1)	211	(69)	1	(0)	308	(1.9)
	D	147	(22)	73	(11)	49	(7)	385	(59)	3	(0)	657	(4.1)
	E	576	(37)	16	(1)	87	(6)	887	(57)	0	(0)	1,566	(9.7)
	F	430	(37)	99	(9)	24	(2)	603	(52)	0	(0)	1,156	(7.2)
	G	0	(0)	3	(10)	1	(3)	27	(87)	0	(0)	31	(0.2)
	H	59	(15)	8	(2)	172	(45)	143	(37)	0	(0)	382	(2.4)
	I	351	(42)	42	(5)	64	(8)	370	(45)	0	(0)	827	(5.1)
	J	45	(35)	12	(9)	2	(2)	70	(54)	0	(0)	129	(0.8)
	K	295	(32)	88	(10)	88	(10)	449	(49)	2	(0)	922	(5.7)
	L	43	(13)	5	(2)	39	(12)	232	(73)	0	(0)	319	(2.0)
	M	85	(26)	46	(14)	11	(3)	182	(55)	4	(1)	328	(2.0)
	N	102	(34)	23	(8)	8	(3)	167	(56)	0	(0)	300	(1.9)
	O	377	(62)	5	(1)	99	(16)	129	(21)	0	(0)	610	(3.8)
	P	449	(40)	11	(1)	42	(4)	610	(55)	0	(0)	1,112	(6.9)
	Q	149	(26)	37	(6)	19	(3)	366	(64)	0	(0)	571	(3.5)
	R	269	(39)	30	(4)	52	(8)	333	(49)	0	(0)	684	(4.3)
	S	50	(26)	10	(5)	4	(2)	132	(67)	0	(0)	196	(1.2)
	T	131	(28)	30	(6)	22	(5)	293	(62)	0	(0)	476	(3.0)
	U	16	(5)	8	(3)	12	(4)	265	(88)	0	(0)	301	(1.9)
	V	333	(30)	53	(5)	97	(9)	618	(56)	0	(0)	1,101	(6.8)
	W	255	(35)	21	(3)	11	(2)	430	(59)	14	(2)	731	(4.5)
	X	179	(26)	14	(2)	43	(6)	454	(66)	2	(0)	692	(4.3)
	Y	177	(39)	39	(9)	8	(2)	229	(51)	0	(0)	453	(2.8)
	Z	42	(11)	28	(7)	37	(9)	285	(73)	0	(0)	392	(2.4)
	ZA	443	(48)	88	(10)	20	(2)	373	(40)	0	(0)	924	(5.7)
	ZB	45	(27)	13	(8)	9	(5)	100	(60)	0	(0)	167	(1.0)
2008 Total		5,323	(33.1)	869	(5.4)	1,061	(6.6)	8,807	(54.7)	29	(0.2)	16,089	
Grand Total		15,371	(33.4)	2,328	(5.1)	3,277	(7.1)	24,973	(54.3)	47	(0.1)	45,996	

Table 14 Admissions by source of admission (admission type 'unplanned - other') by NHS trust, 2006 - 2008

Year	NHS Trust	Admission Source										Total	
		Same hospital		Other hospital		Clinic		Home		Unknown		n	%
		n	%	n	%	n	%	n	%	n	%		
2006	A	131	(50)	129	(50)	0	(0)	0	(0)	0	(0)	260	(3.4)
	B	100	(89)	8	(7)	0	(0)	4	(4)	0	(0)	112	(1.5)
	C	92	(48)	98	(52)	0	(0)	0	(0)	0	(0)	190	(2.5)
	D	111	(31)	246	(69)	0	(0)	0	(0)	0	(0)	357	(4.7)
	E	262	(27)	700	(72)	0	(0)	12	(1)	0	(0)	974	(12.8)
	F	148	(24)	463	(76)	0	(0)	0	(0)	0	(0)	611	(8.0)
	G	26	(93)	2	(7)	0	(0)	0	(0)	0	(0)	28	(0.4)
	H	78	(62)	48	(38)	0	(0)	0	(0)	0	(0)	126	(1.7)
	I	215	(56)	167	(43)	1	(0)	1	(0)	0	(0)	384	(5.0)
	J	34	(94)	2	(6)	0	(0)	0	(0)	0	(0)	36	(0.5)
	K	166	(43)	215	(56)	0	(0)	1	(0)	0	(0)	382	(5.0)
	L	60	(29)	141	(68)	0	(0)	5	(2)	0	(0)	206	(2.7)
	M	100	(46)	117	(54)	0	(0)	0	(0)	0	(0)	217	(2.9)
	N	57	(47)	64	(53)	0	(0)	0	(0)	0	(0)	121	(1.6)
	O	50	(43)	63	(55)	1	(1)	1	(1)	0	(0)	115	(1.5)
	P	268	(49)	283	(51)	0	(0)	1	(0)	0	(0)	552	(7.3)
	Q	197	(58)	140	(41)	0	(0)	2	(1)	0	(0)	339	(4.5)
	R	90	(33)	179	(67)	0	(0)	0	(0)	0	(0)	269	(3.5)
	S	100	(74)	26	(19)	0	(0)	9	(7)	0	(0)	135	(1.8)
	T	130	(49)	131	(50)	0	(0)	2	(1)	0	(0)	263	(3.5)
	U	63	(19)	270	(81)	0	(0)	0	(0)	0	(0)	333	(4.4)
	V	379	(64)	208	(35)	0	(0)	1	(0)	0	(0)	588	(7.7)
	W	114	(31)	256	(69)	0	(0)	3	(1)	0	(0)	373	(4.9)
	X	192	(43)	241	(54)	0	(0)	2	(0)	8	(2)	443	(5.8)
	Y	61	(32)	132	(68)	0	(0)	0	(0)	0	(0)	193	(2.5)
2006 Total		3,224	(42.4)	4,329	(56.9)	2	(0.0)	44	(0.6)	8	(0.1)	7,607	
2007	A	160	(47)	176	(52)	0	(0)	1	(0)	0	(0)	337	(3.9)
	B	87	(87)	10	(10)	0	(0)	3	(3)	0	(0)	100	(1.2)
	C	95	(44)	121	(56)	0	(0)	0	(0)	0	(0)	216	(2.5)
	D	146	(34)	279	(66)	0	(0)	0	(0)	0	(0)	425	(5.0)
	E	239	(30)	550	(68)	0	(0)	16	(2)	0	(0)	805	(9.4)
	F	129	(19)	561	(81)	0	(0)	0	(0)	0	(0)	690	(8.1)
	G	36	(92)	3	(8)	0	(0)	0	(0)	0	(0)	39	(0.5)
	H	76	(58)	56	(42)	0	(0)	0	(0)	0	(0)	132	(1.5)
	I	201	(51)	197	(49)	0	(0)	0	(0)	0	(0)	398	(4.7)
	J	66	(100)	0	(0)	0	(0)	0	(0)	0	(0)	66	(0.8)
	K	190	(47)	212	(53)	0	(0)	0	(0)	0	(0)	402	(4.7)
	L	89	(35)	160	(63)	0	(0)	4	(2)	0	(0)	253	(3.0)
	M	127	(64)	70	(36)	0	(0)	0	(0)	0	(0)	197	(2.3)
	N	82	(52)	74	(47)	0	(0)	1	(1)	0	(0)	157	(1.8)
	O	35	(30)	78	(68)	0	(0)	2	(2)	0	(0)	115	(1.3)
	P	277	(50)	273	(50)	0	(0)	0	(0)	0	(0)	550	(6.4)
	Q	235	(61)	150	(39)	0	(0)	3	(1)	0	(0)	388	(4.5)
	R	119	(33)	245	(67)	0	(0)	0	(0)	0	(0)	364	(4.3)
	S	97	(80)	23	(19)	0	(0)	1	(1)	0	(0)	121	(1.4)
	T	93	(42)	125	(57)	1	(0)	2	(1)	0	(0)	221	(2.6)
	U	57	(17)	274	(83)	0	(0)	0	(0)	0	(0)	331	(3.9)
	V	390	(59)	275	(41)	0	(0)	0	(0)	0	(0)	665	(7.8)
	W	163	(40)	243	(60)	2	(0)	0	(0)	0	(0)	408	(4.8)
	X	188	(41)	269	(59)	0	(0)	0	(0)	1	(0)	458	(5.4)
	Y	91	(41)	129	(59)	0	(0)	0	(0)	0	(0)	220	(2.6)
	Z	222	(86)	29	(11)	0	(0)	8	(3)	0	(0)	259	(3.0)
	ZA	160	(66)	82	(34)	0	(0)	0	(0)	0	(0)	242	(2.8)
2007 Total		3,850	(45.0)	4,664	(54.5)	3	(0.0)	41	(0.5)	1	(0.0)	8,559	
2008	A	133	(49)	139	(51)	0	(0)	2	(1)	0	(0)	274	(3.1)
	B	179	(94)	7	(4)	1	(1)	2	(1)	1	(1)	190	(2.2)
	C	81	(38)	130	(62)	0	(0)	0	(0)	0	(0)	211	(2.4)
	D	122	(32)	263	(68)	0	(0)	0	(0)	0	(0)	385	(4.4)
	E	189	(21)	687	(77)	0	(0)	11	(1)	0	(0)	887	(10.1)
	F	136	(23)	467	(77)	0	(0)	0	(0)	0	(0)	603	(6.8)
	G	22	(81)	1	(4)	0	(0)	4	(15)	0	(0)	27	(0.3)
	H	87	(61)	54	(38)	1	(1)	1	(1)	0	(0)	143	(1.6)
	I	172	(46)	198	(54)	0	(0)	0	(0)	0	(0)	370	(4.2)
	J	69	(99)	1	(1)	0	(0)	0	(0)	0	(0)	70	(0.8)
	K	200	(45)	248	(55)	0	(0)	1	(0)	0	(0)	449	(5.1)
	L	80	(34)	143	(62)	0	(0)	9	(4)	0	(0)	232	(2.6)
	M	108	(59)	73	(40)	0	(0)	0	(0)	1	(1)	182	(2.1)
	N	103	(62)	64	(38)	0	(0)	0	(0)	0	(0)	167	(1.9)
	O	57	(44)	72	(56)	0	(0)	0	(0)	0	(0)	129	(1.5)
	P	294	(48)	316	(52)	0	(0)	0	(0)	0	(0)	610	(6.9)
	Q	209	(57)	155	(42)	0	(0)	2	(1)	0	(0)	366	(4.2)
	R	121	(36)	210	(63)	0	(0)	1	(0)	1	(0)	333	(3.8)
	S	92	(70)	34	(26)	0	(0)	6	(5)	0	(0)	132	(1.5)
	T	124	(42)	164	(56)	0	(0)	5	(2)	0	(0)	293	(3.3)
	U	54	(20)	211	(80)	0	(0)	0	(0)	0	(0)	265	(3.0)
	V	365	(59)	250	(40)	0	(0)	2	(0)	1	(0)	618	(7.0)
	W	211	(49)	218	(51)	0	(0)	1	(0)	0	(0)	430	(4.9)
	X	178	(39)	275	(61)	1	(0)	0	(0)	0	(0)	454	(5.2)
	Y	84	(37)	145	(63)	0	(0)	0	(0)	0	(0)	229	(2.6)
	Z	223	(78)	59	(21)	0	(0)	3	(1)	0	(0)	285	(3.2)
	ZA	253	(68)	119	(32)	0	(0)	1	(0)	0	(0)	373	(4.2)
	ZB	49	(49)	50	(50)	0	(0)	1	(1)	0	(0)	100	(1.1)
2008 Total		3,995	(45.4)	4,753	(54.0)	3	(0.0)	52	(0.6)	4	(0.0)	8,807	
Grand Total		11,069	(44.3)	13,746	(55.0)	8	(0.0)	137	(0.5)	13	(0.1)	24,973	

Table 15 Admissions by care area admitted from (admission type 'unplanned - other'; admitted from hospital) by NHS trust, 2006 - 2008

Year	NHS Trust	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	%
2006	A	60	(23)	0	(0)	19	(7)	2	(1)	0	(0)	2	(1)	173	(67)	0	(0)	4	(2)	260	(3.4)
	B	58	(54)	0	(0)	1	(1)	0	(0)	0	(0)	0	(0)	47	(44)	2	(2)	0	(0)	108	(1.4)
	C	65	(34)	46	(24)	19	(10)	7	(4)	1	(1)	22	(12)	27	(14)	3	(2)	0	(0)	190	(2.5)
	D	137	(38)	49	(14)	21	(6)	5	(1)	2	(1)	16	(4)	126	(35)	1	(0)	0	(0)	357	(4.7)
	E	218	(23)	18	(2)	346	(36)	67	(7)	9	(1)	0	(0)	295	(31)	9	(1)	0	(0)	962	(12.7)
	F	24	(4)	15	(2)	76	(12)	1	(0)	0	(0)	20	(3)	285	(47)	4	(1)	186	(30)	611	(8.1)
	G	20	(71)	2	(7)	0	(0)	0	(0)	0	(0)	0	(0)	2	(7)	4	(14)	0	(0)	28	(0.4)
	H	49	(39)	1	(1)	1	(1)	8	(6)	1	(1)	1	(1)	62	(49)	3	(2)	0	(0)	126	(1.7)
	I	105	(27)	2	(1)	40	(10)	0	(0)	1	(0)	16	(4)	213	(56)	5	(1)	0	(0)	382	(5.1)
	J	19	(53)	1	(3)	0	(0)	0	(0)	0	(0)	0	(0)	16	(44)	0	(0)	0	(0)	36	(0.5)
	K	53	(14)	1	(0)	80	(21)	35	(9)	3	(1)	30	(8)	177	(46)	2	(1)	0	(0)	381	(5.0)
	L	62	(31)	16	(8)	17	(8)	0	(0)	0	(0)	4	(2)	102	(51)	0	(0)	0	(0)	201	(2.7)
	M	98	(45)	16	(7)	13	(6)	4	(2)	0	(0)	8	(4)	76	(35)	1	(0)	1	(0)	217	(2.9)
	N	41	(34)	21	(17)	23	(19)	1	(1)	3	(2)	9	(7)	22	(18)	1	(1)	0	(0)	121	(1.6)
	O	6	(5)	5	(4)	10	(9)	39	(35)	1	(1)	6	(5)	42	(37)	4	(4)	0	(0)	113	(1.5)
	P	208	(38)	70	(13)	54	(10)	6	(1)	0	(0)	46	(8)	155	(28)	12	(2)	0	(0)	551	(7.3)
	Q	123	(36)	10	(3)	65	(19)	8	(2)	0	(0)	23	(7)	102	(30)	5	(1)	1	(0)	337	(4.5)
	R	54	(20)	24	(9)	83	(31)	3	(1)	1	(0)	10	(4)	90	(33)	4	(1)	0	(0)	269	(3.6)
	S	32	(25)	3	(2)	2	(2)	29	(23)	0	(0)	5	(4)	52	(41)	3	(2)	0	(0)	126	(1.7)
	T	70	(27)	2	(1)	3	(1)	2	(1)	1	(0)	8	(3)	110	(42)	0	(0)	65	(25)	261	(3.5)
	U	198	(59)	13	(4)	15	(5)	0	(0)	0	(0)	13	(4)	94	(28)	0	(0)	0	(0)	333	(4.4)
	V	145	(25)	5	(1)	79	(13)	0	(0)	0	(0)	87	(15)	267	(45)	0	(0)	4	(1)	587	(7.8)
	W	71	(19)	14	(4)	66	(18)	79	(21)	0	(0)	56	(15)	72	(19)	0	(0)	12	(3)	370	(4.9)
	X	79	(18)	17	(4)	140	(32)	24	(6)	0	(0)	6	(1)	117	(27)	3	(1)	47	(11)	433	(5.7)
	Y	41	(21)	37	(19)	38	(20)	1	(1)	0	(0)	23	(12)	51	(26)	2	(1)	0	(0)	193	(2.6)
2006 Total		2,036	(27.0)	388	(5.1)	1,211	(16.0)	321	(4.2)	23	(0.3)	411	(5.4)	2,775	(36.7)	68	(0.9)	320	(4.2)	7,553	
2007	A	80	(24)	0	(0)	13	(4)	2	(1)	0	(0)	1	(0)	239	(71)	1	(0)	0	(0)	336	(3.9)
	B	42	(43)	2	(2)	2	(2)	1	(1)	0	(0)	2	(2)	48	(49)	0	(0)	0	(0)	97	(1.1)
	C	52	(24)	70	(32)	28	(13)	8	(4)	5	(2)	26	(12)	25	(12)	2	(1)	0	(0)	216	(2.5)
	D	147	(35)	86	(20)	22	(5)	15	(4)	3	(1)	17	(4)	134	(32)	1	(0)	0	(0)	425	(5.0)
	E	151	(19)	33	(4)	302	(38)	37	(5)	5	(1)	1	(0)	248	(31)	12	(2)	0	(0)	789	(9.3)
	F	26	(4)	23	(3)	73	(11)	0	(0)	0	(0)	18	(3)	310	(45)	7	(1)	233	(34)	690	(8.1)
	G	21	(54)	11	(28)	0	(0)	0	(0)	0	(0)	2	(5)	4	(10)	1	(3)	0	(0)	39	(0.5)
	H	45	(34)	3	(2)	5	(4)	6	(5)	0	(0)	5	(4)	66	(50)	2	(2)	0	(0)	132	(1.6)
	I	117	(29)	4	(1)	44	(11)	1	(0)	0	(0)	36	(9)	193	(48)	3	(1)	0	(0)	398	(4.7)
	J	42	(64)	1	(2)	0	(0)	2	(3)	0	(0)	4	(6)	17	(26)	0	(0)	0	(0)	66	(0.8)
	K	71	(18)	2	(0)	73	(18)	43	(11)	5	(1)	25	(6)	179	(45)	4	(1)	0	(0)	402	(4.7)
	L	61	(24)	19	(8)	17	(7)	1	(0)	1	(0)	7	(3)	142	(57)	1	(0)	0	(0)	249	(2.9)
	M	92	(47)	16	(8)	15	(8)	2	(1)	0	(0)	6	(3)	66	(34)	0	(0)	0	(0)	197	(2.3)
	N	50	(32)	26	(17)	27	(17)	1	(1)	1	(1)	14	(9)	35	(22)	2	(1)	0	(0)	156	(1.8)
	O	12	(11)	1	(1)	21	(19)	34	(30)	1	(1)	3	(3)	41	(36)	0	(0)	0	(0)	113	(1.3)
	P	157	(29)	106	(19)	64	(12)	11	(2)	0	(0)	20	(4)	179	(33)	13	(2)	0	(0)	550	(6.5)
	Q	121	(31)	17	(4)	70	(18)	11	(3)	0	(0)	31	(8)	135	(35)	0	(0)	0	(0)	385	(4.5)
	R	73	(20)	28	(8)	94	(26)	2	(1)	3	(1)	26	(7)	133	(37)	5	(1)	0	(0)	364	(4.3)
	S	33	(28)	4	(3)	2	(2)	22	(18)	1	(1)	7	(6)	50	(42)	1	(1)	0	(0)	120	(1.4)
	T	75	(34)	2	(1)	4	(2)	1	(0)	2	(1)	8	(4)	83	(38)	0	(0)	43	(20)	218	(2.6)
	U	152	(46)	15	(5)	17	(5)	0	(0)	0	(0)	15	(5)	131	(40)	0	(0)	1	(0)	331	(3.9)
	V	176	(26)	64	(10)	115	(17)	0	(0)	0	(0)	82	(12)	219	(33)	1	(0)	8	(1)	665	(7.8)
	W	93	(23)	32	(8)	136	(33)	1	(0)	0	(0)	7	(2)	103	(25)	0	(0)	33	(8)	406	(4.8)
	X	78	(17)	15	(3)	148	(32)	31	(7)	2	(0)	17	(4)	135	(30)	3	(1)	28	(6)	457	(5.4)
	Y	51	(23)	37	(17)	37	(17)	4	(2)	1	(0)	11	(5)	76	(35)	3	(1)	0	(0)	250	(2.6)
Z	131	(52)	1	(0)	5	(2)	3	(1)	0	(0)	8	(3)	101	(40)	1	(0)	1	(0)	221	(2.9)	
ZA	92	(38)	0	(0)	17	(7)	49	(20)	0	(0)	6	(2)	73	(30)	5	(2)	0	(0)	242	(2.8)	
2007 Total		2,241	(26.3)	618	(7.3)	1,351	(15.9)	288	(3.4)	30	(0.4)	405	(4.8)	3,165	(37.2)	69	(0.8)	347	(4.1)	8,514	
2008	A	65	(24)	0	(0)	9	(3)	3	(1)	0	(0)	1	(0)	194	(71)	0	(0)	0	(0)	272	(3.1)
	B	129	(69)	3	(2)	1	(1)	2	(1)	0	(0)	6	(3)	43	(23)	2	(1)	0	(0)	186	(2.1)
	C	73	(35)	58	(27)	30	(14)	4	(2)	4	(2)	17	(8)	23	(11)	1	(0)	1	(0)	211	(2.4)
	D	127	(33)	86	(22)	20	(5)	11	(3)	0	(0)	19	(5)	110	(29)	0	(0)	12	(3)	385	(4.4)
	E	214	(24)	42	(5)	333	(38)	70	(8)	6	(1)	7	(1)	198	(23)	6	(1)	0	(0)	876	(10.0)
	F	32	(5)	14	(2)	74	(12)	0	(0)	0	(0)	10	(2)	279	(46)	3	(0)	191	(32)	603	(6.9)
	G	15	(65)	6	(26)	0	(0)	0	(0)	0	(0)	0	(0)	2	(9)	0	(0)	0	(0)	23	(0.3)
	H	47	(33)	2	(1)	9	(6)	3	(2)	0	(0)	3	(2)	75	(53)	0	(0)	2	(1)	141	(1.6)
	I	114	(31)	3	(1)	43	(12)	1	(0)	1	(0)	6	(2)	200	(54)	2	(1)	0	(0)	370	(4.2)
	J	52	(74)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	17	(24)	1	(1)	0	(0)	70	(0.8)
	K	93	(21)	4	(1)	105	(23)	21	(5)	2	(0)	36	(8)	177	(40)	10	(2)	0	(0)	448	(5.1)
	L	62	(28)	16	(7)	14	(6)	0	(0)	0	(0)	5	(2)	126	(57)	0	(0)	0	(0)	223	(2.5)
	M	69	(38)	21	(12)	11	(6)	1	(1)	6	(3)	8	(4)	56	(31)	7	(4)	2	(1)	181	(2.1)
	N	46	(28)	36	(22)	15	(9)	1	(1)	4	(2)	21	(13)	39	(23)	5	(3)	0	(0)	167	(1.9)
	O	15	(12)	11	(9)	12	(9)	39	(30)	10	(8)	5	(4)	32	(25)	5	(4)	0	(0)	129	(1.5)
	P	179	(29)	93	(15)	83	(14)	3	(0)	0	(0)	32	(5)	209	(34)	11	(2)	0	(0)	610	(7.0)
	Q	122	(34)	27	(7)	74	(20)	12	(3)	1	(0)	18	(5)	106	(29)	2	(1><				

Table 16 Admissions by primary diagnostic group and age, 2006 - 2008

Diagnostic Group	Age Group (Years)								Total	
	<1		1-4		5-10		11-15			
	n	%	n	%	n	%	n	%	n	%
	131	(27)	135	(28)	126	(26)	94	(19)	486	(1.1)
Blood / lymphatic	864	(88)	81	(8)	19	(2)	17	(2)	981	(2.1)
Body wall and cavities	8,388	(62)	2,929	(22)	1,303	(10)	959	(7)	13,580	(29.5)
Cardiovascular	420	(37)	288	(25)	206	(18)	230	(20)	1,144	(2.5)
Endocrine / metabolic	1,866	(62)	532	(18)	336	(11)	290	(10)	3,024	(6.6)
Gastrointestinal	1,110	(45)	787	(32)	319	(13)	239	(10)	2,455	(5.3)
Infection	68	(51)	40	(30)	17	(13)	9	(7)	134	(0.3)
Multisystem	143	(8)	217	(13)	287	(17)	1,081	(63)	1,728	(3.8)
Musculoskeletal	1,399	(27)	1,775	(35)	1,038	(20)	883	(17)	5,095	(11.1)
Neurological	255	(16)	554	(34)	425	(26)	388	(24)	1,622	(3.5)
Oncology	5,940	(51)	3,348	(29)	1,342	(12)	957	(8)	11,587	(25.2)
Respiratory	117	(7)	461	(29)	425	(27)	583	(37)	1,586	(3.4)
Trauma	867	(37)	677	(29)	372	(16)	457	(19)	2,373	(5.2)
Other	111	(55)	60	(30)	17	(8)	12	(6)	201	(0.4)
Unknown	21,679	(47.1)	11,884	(25.8)	6,232	(13.5)	6,199	(13.5)	45,996	
Total										

Figure 16 Admissions by primary diagnostic group, 2006 - 2008

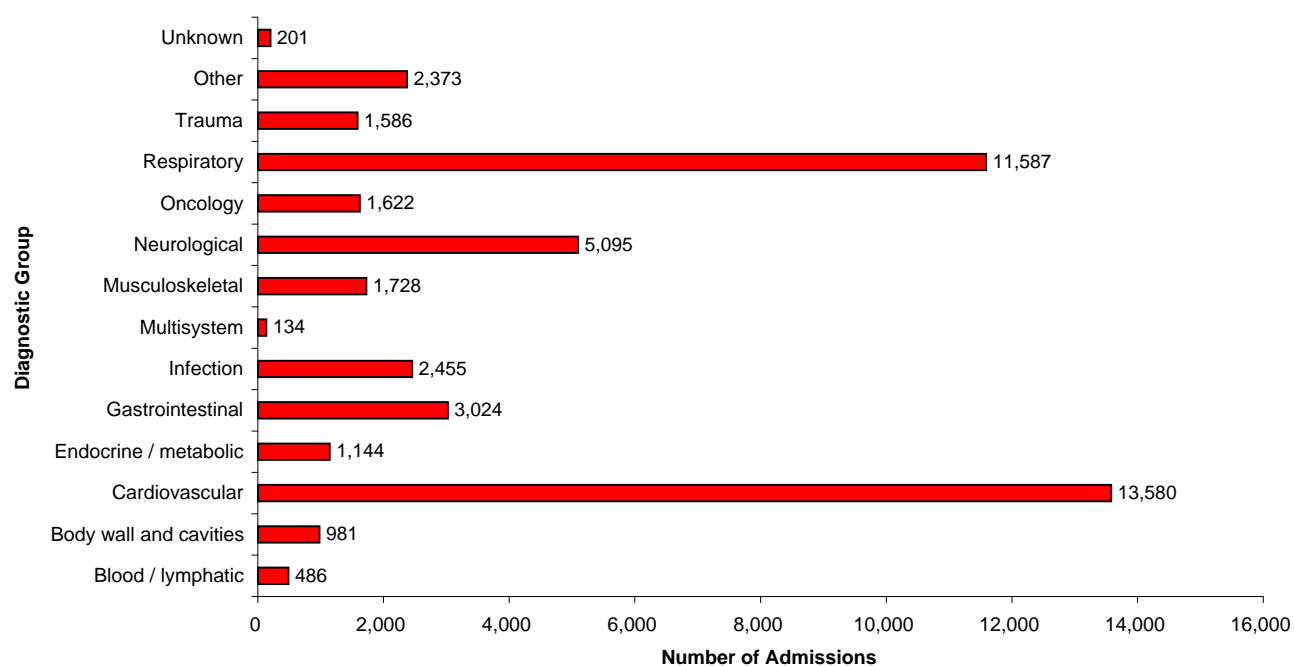


Table 17 Admissions by primary diagnostic group and age (16+), 2006 - 2008

Diagnostic Group	Age Group (Years)								Total	
	16		17-20		21-25		26+			
	n	%	n	%	n	%	n	%	n	%
Blood / lymphatic	11	(52)	10	(48)	0	(0)	0	(0)	21	(1.9)
Cardiovascular	106	(51)	92	(44)	6	(3)	4	(2)	208	(18.4)
Endocrine / metabolic	27	(77)	8	(23)	0	(0)	0	(0)	35	(3.1)
Gastrointestinal	38	(62)	23	(38)	0	(0)	0	(0)	61	(5.4)
Infection	19	(58)	12	(36)	2	(6)	0	(0)	33	(2.9)
Multisystem	3	(60)	2	(40)	0	(0)	0	(0)	5	(0.4)
Musculoskeletal	163	(55)	131	(44)	3	(1)	0	(0)	297	(26.3)
Neurological	73	(57)	52	(41)	3	(2)	0	(0)	128	(11.3)
Oncology	43	(54)	36	(46)	0	(0)	0	(0)	79	(7.0)
Respiratory	109	(62)	66	(37)	1	(1)	1	(1)	177	(15.7)
Trauma	21	(75)	6	(21)	0	(0)	1	(4)	28	(2.5)
Other	33	(65)	18	(35)	0	(0)	0	(0)	51	(4.5)
Unknown	1	(17)	4	(67)	0	(0)	1	(17)	6	(0.5)
Total	647	(57.3)	460	(40.7)	15	(1.3)	7	(0.6)	1,129	

Figure 17 Admissions by primary diagnostic group, 2006 - 2008

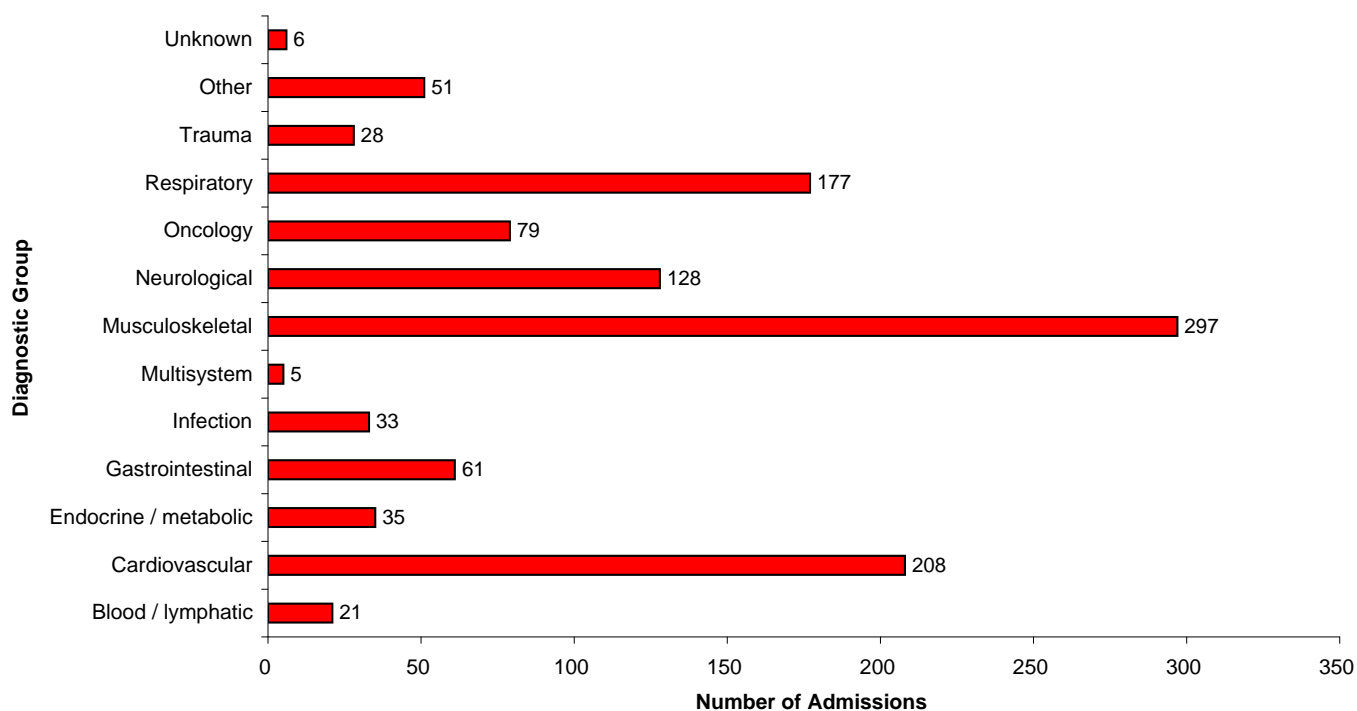


Table 18 Admissions by primary diagnostic group by NHS trust, 2006 - 2008

Year	NHS Trust	Blood / lymphatic		Body wall and cavities		Cardiovascular		Endocrine / metabolic		Gastrointestinal		Diagnostic Group		Musculoskeletal		Neurological		Oncology		Respiratory		Trauma		Other		Unknown		Total			
		n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%		
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	(3.1)
	B	2	(1)	5	(2)	7	(3)	12	(5)	39	(17)	14	(6)	2	(1)	2	(1)	30	(13)	2	(1)	73	(32)	8	(4)	31	(14)	0	(0)	227	(1.6)
	C	1	(0)	2	(1)	13	(4)	9	(3)	8	(3)	33	(11)	0	(0)	41	(14)	40	(13)	15	(5)	97	(32)	22	(7)	20	(7)	0	(0)	301	(2.1)
	D	16	(3)	6	(1)	43	(8)	21	(4)	48	(8)	40	(7)	4	(1)	34	(6)	78	(14)	30	(5)	180	(32)	47	(8)	24	(4)	0	(0)	571	(4.0)
	E	13	(1)	52	(3)	628	(39)	53	(3)	112	(7)	56	(4)	5	(0)	30	(2)	122	(8)	39	(2)	367	(23)	52	(3)	70	(4)	0	(0)	1,599	(11.2)
	F	3	(0)	4	(0)	501	(46)	22	(2)	18	(2)	55	(5)	1	(0)	39	(4)	97	(9)	2	(0)	292	(27)	14	(1)	35	(3)	4	(0)	1,087	(7.6)
	G	0	(0)	0	(0)	2	(6)	0	(0)	0	(0)	5	(14)	0	(0)	0	(0)	15	(42)	2	(6)	5	(14)	5	(14)	2	(6)	0	(0)	36	(0.3)
	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	(2.2)
	I	12	(1)	9	(1)	330	(36)	41	(5)	54	(6)	44	(5)	2	(0)	27	(3)	72	(8)	49	(5)	178	(20)	34	(4)	52	(6)	5	(1)	909	(6.3)
	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	(0.5)
	K	8	(1)	49	(5)	314	(35)	17	(2)	110	(12)	50	(6)	3	(0)	16	(2)	82	(9)	50	(6)	146	(16)	24	(3)	38	(4)	0	(0)	907	(6.3)
	L	0	(0)	3	(1)	8	(3)	16	(5)	8	(3)	18	(6)	0	(0)	34	(11)	55	(18)	1	(0)	132	(44)	6	(2)	18	(6)	0	(0)	299	(2.1)
	M	2	(0)	9	(2)	12	(3)	22	(5)	31	(8)	22	(5)	1	(0)	42	(10)	65	(16)	41	(10)	112	(28)	24	(6)	21	(5)	0	(0)	404	(2.8)
	N	2	(1)	9	(3)	114	(41)	4	(1)	9	(3)	10	(4)	1	(0)	14	(5)	40	(15)	5	(2)	49	(18)	14	(5)	4	(1)	0	(0)	275	(1.9)
	O	0	(0)	3	(0)	538	(82)	1	(0)	18	(3)	9	(1)	0	(0)	8	(1)	0	(0)	9	(1)	47	(7)	0	(0)	2	(0)	22	(3)	657	(4.6)
	P	6	(1)	50	(5)	476	(43)	15	(1)	37	(3)	53	(5)	5	(0)	29	(3)	114	(10)	18	(2)	220	(20)	48	(4)	31	(3)	0	(0)	1,102	(7.7)
	Q	7	(1)	25	(5)	11	(2)	14	(3)	62	(12)	22	(4)	0	(0)	38	(8)	84	(17)	28	(6)	164	(33)	23	(5)	25	(5)	0	(0)	503	(3.5)
	R	3	(0)	11	(2)	235	(36)	10	(2)	75	(11)	24	(4)	4	(1)	44	(7)	72	(11)	13	(2)	126	(19)	16	(2)	23	(4)	0	(0)	656	(4.6)
	S	1	(1)	0	(0)	6	(3)	9	(5)	0	(0)	8	(4)	0	(0)	16	(9)	25	(13)	0	(0)	90	(48)	17	(9)	16	(9)	0	(0)	188	(1.3)
	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	(3.1)
	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	(2.6)
	V	10	(1)	19	(2)	438	(42)	26	(2)	97	(9)	32	(3)	0	(0)	13	(1)	75	(7)	5	(0)	255	(24)	57	(5)	16	(2)	3	(0)	1,046	(7.3)
	W	5	(1)	6	(1)	294	(46)	12	(2)	20	(3)	39	(6)	0	(0)	4	(1)	100	(16)	19	(3)	115	(18)	12	(2)	15	(2)	1	(0)	642	(4.5)
	X	5	(1)	22	(3)	438	(50)	8	(1)	45	(5)	42	(5)	4	(0)	7	(1)	59	(7)	23	(3)	175	(20)	25	(3)	18	(2)	5	(1)	876	(6.1)
	Y	0	(0)	6	(2)	13	(3)	3	(1)	23	(6)	30	(8)	0	(0)	82	(21)	60	(15)	17	(4)	114	(29)	23	(6)	25	(6)	0	(0)	396	(2.8)
2006 Total		125	(0.9)	315	(2.2)	4,478	(31.3)	361	(2.5)	997	(7.0)	711	(5.0)	48	(0.3)	551	(3.8)	1,582	(11.0)	537	(3.7)	3,427	(23.9)	541	(3.8)	608	(4.2)	47	(0.3)	14,328	
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	(3.3)
	B	2	(1)	7	(4)	5	(3)	10	(6)	25	(15)	10	(6)	1	(1)	2	(1)	18	(11)	2	(1)	70	(41)	7	(4)	12	(7)	0	(0)	171	(1.1)
	C	5	(2)	3	(1)	11	(3)	14	(4)	11	(3)	32	(10)	0	(0)	35	(11)	53	(17)	18	(6)	95	(30)	13	(4)	27	(9)	0	(0)	317	(2.0)
	D	5	(1)	5	(1)	48	(8)	26	(4)	42	(7)	51	(8)	1	(0)	26	(4)	108	(17)	23	(4)	228	(36)	43	(7)	33	(5)	0	(0)	639	(4.1)
	E	6	(0)	46	(3)	640	(43)	45	(3)	92	(6)	42	(3)	6	(0)	32	(2)	88	(6)	42	(3)	346	(23)	48	(3)	39	(3)	1	(0)	1,473	(9.5)
	F	5	(0)	5	(0)	508	(42)	27	(2)	18	(2)	58	(5)	1	(0)	39	(3)	101	(8)	4	(0)	368	(31)	15	(1)	45	(4)	3	(0)	1,197	(7.7)
	G	0	(0)	0	(0)	3	(7)	0	(0)	0	(0)	8	(18)	0	(0)	0	(0)	18	(40)	0	(0)	8	(18)	4	(9)	4	(9)	0	(0)	45	(0.3)
	H	5	(2)	3	(1)	8	(3)	6	(2)	42	(14)	9	(3)	0	(0)	3	(1)	35	(12)	10	(3)	48	(17)	16	(6)	104	(36)	1	(0)	290	(1.9)
	I	7	(1)	14	(2)	315	(35)	38	(4)	43	(5)	42	(5)	0	(0)	46	(5)	81	(9)	44	(5)	178	(20)	35	(4)	52	(6)	6	(1)	901	(5.8)
	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	(0.8)
	K	20	(2)	63	(7)	312	(33)	11	(1)	91	(10)	41	(4)	3	(0)	26	(3)	99	(11)	59	(6)	147	(16)	23	(2)	42	(4)	0	(0)	937	(6.0)
	L	3	(1)	4	(1)	16	(5)	14	(4)	12	(3)	12	(3)	0	(0)	25	(7)	55	(15)	0	(0)	187	(53)	15	(4)	12	(3)	0	(0)	355	(2.3)
	M	3	(1)	3	(1)	15	(4)	13	(4)	24	(7)	26	(7)	0	(0)	35	(10)	55	(16)	32	(9)	101	(29)	18	(5)	24	(7)	0	(0)	349	(2.2)
	N	3	(1)	8	(3)	116	(37)	6	(2)	7	(2)	11	(4)	0	(0)	7	(2)	40	(13)	16	(5)	68	(22)	14	(4)	18	(6)	0	(0)	314	(2.0)
	O	1	(0)	0	(0)	503	(79)	3	(0)	5	(1)	2	(0)	0	(0)	6	(1)	1	(0)	5	(1)	86	(13)	0	(0)	2	(0)	24	(4)	638	(4.1)
	P	7	(1)	42	(4)	443	(42)	7	(1)	55	(5)	60	(6)	10	(1)	21	(2)	99	(9)	34	(3)	228	(21)	34	(3)	27	(3)	0	(0)	1,067	(6.8)
	Q	6	(1)	32	(5)	8	(1)	17	(3)	56	(9)	39	(6)	2	(0)	50	(8)	83	(14)	35	(6)	224	(37)	18	(3)	33	(5)	3	(0)	606	(3.9)
	R	2	(0)	21	(3)	239	(33)	10	(1)	62	(9)	29	(4)	1	(0)	40	(6)	106	(15)	12	(2)	163	(22)	12	(2)	28	(4)	0	(0)	725	(4.7)
	S	0	(0)	0	(0)	2	(1)	5	(3)	0	(0)	5	(3)	0	(0)	33	(17)	33	(17)	1	(1)	91	(48)	15	(8)	5	(3)	0	(0)	190	(1.2)
	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	(2.5)
	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	(2.4)
	V	5	(0)	22	(2)	508	(44)	25	(2)	95	(8)	34	(3)	2	(0)	16	(1)	79	(7)	20	(2)	242	(21)	68	(6)	35	(3)	0	(0)	1,151	(7.4)
	W	7	(1)																												

Table 19 Admissions by primary diagnostic group (planned - following surgery) by NHS trust, 2006 - 2008

Year	NHS Trust	Blood / lymphatic		Body wall and cavities		Cardiovascular		Endocrine / metabolic		Gastrointestinal		Diagnostic Group Infection		Multisystem		Musculoskeletal		Neurological		Oncology		Respiratory		Trauma		Other		Unknown		Total	
		n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
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	(2.7)
	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	(1.3)
	C	1	(1)	0	(0)	0	(0)	0	(0)	2	(3)	3	(4)	0	(0)	39	(49)	4	(5)	14	(18)	10	(13)	1	(1)	6	(8)	0	(0)	80	(1.6)
	D	2	(2)	4	(4)	2	(2)	2	(2)	27	(26)	3	(3)	3	(3)	28	(27)	6	(6)	8	(8)	10	(10)	1	(1)	9	(9)	0	(0)	105	(2.2)
	E	1	(0)	11	(2)	374	(71)	2	(0)	37	(7)	2	(0)	0	(0)	23	(4)	8	(2)	16	(3)	40	(8)	1	(0)	12	(2)	0	(0)	527	(10.9)
	F	0	(0)	0	(0)	324	(82)	0	(0)	5	(1)	0	(0)	0	(0)	37	(9)	0	(0)	1	(0)	22	(6)	1	(0)	4	(1)	0	(0)	394	(8.1)
	G	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	1	(100)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	1	-
	H	2	(2)	5	(5)	3	(3)	1	(1)	23	(23)	2	(2)	0	(0)	1	(1)	7	(7)	9	(9)	5	(5)	0	(0)	43	(43)	0	(0)	101	(2.1)
	I	1	(0)	5	(1)	238	(63)	5	(1)	25	(7)	3	(1)	1	(0)	24	(6)	14	(4)	32	(8)	13	(3)	1	(0)	17	(4)	0	(0)	379	(7.8)
	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	(0.4)
	K	1	(0)	11	(3)	174	(54)	1	(0)	19	(6)	5	(2)	0	(0)	11	(3)	31	(10)	41	(13)	11	(3)	3	(1)	14	(4)	0	(0)	322	(6.6)
	L	0	(0)	1	(2)	1	(2)	0	(0)	1	(2)	0	(0)	0	(0)	30	(73)	1	(2)	0	(0)	4	(10)	0	(0)	3	(7)	0	(0)	41	(0.8)
	M	0	(0)	5	(4)	1	(1)	1	(1)	13	(10)	0	(0)	0	(0)	38	(31)	6	(5)	31	(25)	23	(19)	2	(2)	4	(3)	0	(0)	124	(2.6)
	N	0	(0)	5	(4)	91	(71)	0	(0)	3	(2)	0	(0)	1	(1)	14	(11)	4	(3)	3	(2)	6	(5)	0	(0)	1	(1)	0	(0)	128	(2.6)
	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	(8.7)
	P	1	(0)	31	(6)	347	(71)	0	(0)	18	(4)	8	(2)	3	(1)	28	(6)	12	(2)	10	(2)	22	(4)	2	(0)	9	(2)	0	(0)	491	(10.1)
	Q	3	(2)	6	(5)	1	(1)	0	(0)	19	(15)	0	(0)	0	(0)	32	(26)	15	(12)	18	(15)	23	(19)	1	(1)	6	(5)	0	(0)	124	(2.6)
	R	0	(0)	4	(2)	165	(65)	0	(0)	15	(6)	1	(0)	1	(0)	42	(17)	6	(2)	8	(3)	8	(3)	0	(0)	3	(1)	0	(0)	253	(5.2)
	S	0	(0)	0	(0)	1	(3)	0	(0)	0	(0)	0	(0)	0	(0)	12	(41)	2	(7)	0	(0)	10	(34)	1	(3)	3	(10)	0	(0)	29	(0.6)
	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	(3.1)
	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	(0.5)
	V	2	(1)	3	(1)	270	(80)	3	(1)	27	(8)	0	(0)	0	(0)	10	(3)	1	(0)	1	(0)	15	(4)	3	(1)	0	(0)	1	(0)	336	(6.9)
	W	0	(0)	1	(0)	205	(86)	0	(0)	4	(2)	0	(0)	0	(0)	3	(1)	2	(1)	7	(3)	11	(5)	1	(0)	5	(2)	0	(0)	239	(4.9)
	X	1	(0)	5	(2)	142	(65)	0	(0)	12	(6)	9	(4)	0	(0)	4	(2)	3	(1)	14	(6)	19	(9)	2	(1)	6	(3)	1	(0)	218	(4.5)
	Y	0	(0)	3	(2)	1	(1)	1	(1)	4	(3)	2	(1)	0	(0)	76	(50)	24	(16)	11	(7)	16	(11)	4	(3)	9	(6)	0	(0)	151	(3.1)
2006 Total		18	(0.4)	114	(2.3)	2,722	(56.1)	20	(0.4)	353	(7.3)	50	(1.0)	13	(0.3)	474	(9.8)	183	(3.8)	334	(6.9)	343	(7.1)	37	(0.8)	193	(4.0)	2	(0.0)	4,856	
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	(2.1)
	B	0	(0)	3	(7)	0	(0)	1	(2)	14	(34)	4	(10)	1	(2)	1	(2)	1	(2)	0	(0)	11	(27)	0	(0)	5	(12)	0	(0)	41	(0.8)
	C	1	(1)	2	(3)	0	(0)	2	(3)	4	(5)	0	(0)	0	(0)	32	(42)	7	(9)	11	(14)	9	(12)	0	(0)	8	(11)	0	(0)	76	(1.5)
	D	0	(0)	3	(3)	4	(4)	4	(4)	26	(23)	4	(4)	0	(0)	21	(18)	8	(7)	10	(9)	21	(18)	0	(0)	13	(11)	0	(0)	114	(2.2)
	E	4	(1)	13	(2)	404	(71)	2	(0)	29	(5)	5	(1)	1	(0)	25	(4)	8	(1)	15	(3)	42	(7)	2	(0)	16	(3)	0	(0)	566	(10.9)
	F	0	(0)	2	(0)	326	(79)	3	(1)	5	(1)	1	(0)	0	(0)	38	(9)	0	(0)	2	(0)	26	(6)	1	(0)	10	(2)	0	(0)	414	(8.0)
	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	(1.7)
	I	0	(0)	3	(1)	235	(60)	3	(1)	21	(5)	2	(1)	0	(0)	37	(9)	10	(3)	39	(10)	20	(5)	1	(0)	20	(5)	1	(0)	392	(7.6)
	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	(0.7)
	K	2	(1)	8	(3)	170	(54)	2	(1)	19	(6)	5	(2)	0	(0)	12	(4)	28	(9)	37	(12)	18	(6)	0	(0)	13	(4)	0	(0)	314	(6.0)
	L	0	(0)	3	(7)	2	(5)	0	(0)	2	(5)	0	(0)	0	(0)	20	(45)	6	(14)	0	(0)	7	(16)	3	(7)	1	(2)	0	(0)	44	(0.8)
	M	1	(1)	2	(2)	0	(0)	0	(0)	14	(13)	1	(1)	0	(0)	34	(32)	5	(5)	26	(25)	16	(15)	0	(0)	7	(7)	0	(0)	106	(2.0)
	N	0	(0)	6	(5)	87	(69)	0	(0)	1	(1)	0	(0)	0	(0)	7	(6)	4	(3)	11	(9)	6	(5)	0	(0)	5	(4)	0	(0)	127	(2.4)
	O	0	(0)	0	(0)	328	(90)	1	(0)	3	(1)	1	(0)	0	(0)	2	(1)	0	(0)	5	(1)	21	(6)	0	(0)	0	(0)	5	(1)	366	(7.0)
	P	1	(0)	25	(5)	318	(67)	0	(0)	25	(5)	2	(0)	6	(1)	14	(3)	20	(4)	20	(4)	33	(7)	2	(0)	12	(3)	0	(0)	478	(9.2)
	Q	1	(1)	7	(4)	2	(1)	0	(0)	22	(13)	2	(1)	1	(1)	45	(26)	23	(13)	24	(14)	30	(17)	2	(1)	15	(9)	1	(1)	175	(3.4)
	R	0	(0)	8	(3)	159	(64)	1	(0)	10	(4)	5	(2)	1	(0)	39	(16)	3	(1)	9	(4)	7	(3)	0	(0)	5	(2)	0	(0)	247	(4.8)
	S	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	1	(2)	0	(0)	32	(70)	0	(0)	0	(0)	9	(20)	3	(7)	1	(2)	0	(0)	46	(0.9)
	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	(2.3)
	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	(0.4)
	V	0	(0)	8	(2)	270	(83)	1	(0)	14	(4)	0	(0)	0	(0)	9	(3)	2	(1)	7	(2)	9	(3)	2	(1)	5	(2)	0	(0)	327	(6.3)
	W	0	(0)	2	(1)	215	(89)	0	(0)	1	(0)	0	(0)	0	(0)	1	(0)	1	(0)	5	(2)	11	(5)	0	(0)	5	(2)	0	(0)	241	(4.6)
	X	0	(0)	8	(4)	136	(67)	2	(1)	21	(10)	9	(4)	1	(0)	4	(2)	0	(0)	5	(2)	9	(4)	2	(1)	4	(2)	1	(0)	202	(3.9)
	Y	1	(1)	6	(4)	2	(1)	0	(0)	12	(7)	1	(1)	1	(1)	88	(55)	9	(6)	9	(6)	24	(15)	4	(2)	4	(2)	0	(0)	161	(3.1)
	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	(0.9)
ZA	2	(1)	4	(1)	149	(45)	1	(0)	23	(7)	5	(1)	5	(1)	11	(9)	17	(6)	11	(3)	42	(13)									



Table 20 Admissions by primary diagnostic group (unplanned - following surgery) by NHS trust, 2006 - 2008

Year	NHS Trust	Blood / lymphatic		Body wall and cavities		Cardiovascular		Endocrine / metabolic		Gastrointestinal		Diagnostic Group		Musculoskeletal		Neurological		Oncology		Respiratory		Trauma		Other		Unknown		Total				
		n	%	n	%	n	%	n	%	n	%	Infection	Multisystem	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%			
2006	A	1	(2)	0	(0)	1	(2)	0	(0)	13	(30)	3	(7)	3	(7)	2	(5)	5	(11)	6	(14)	2	(5)	2	(5)	0	(0)	44	(6.3)			
	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	(5.7)	
	C	0	(0)	0	(0)	0	(0)	0	(0)	2	(20)	2	(20)	0	(0)	2	(20)	2	(20)	0	(0)	1	(10)	0	(0)	1	(10)	0	(0)	10	(1.4)	
	D	1	(1)	1	(1)	4	(6)	3	(4)	13	(19)	2	(3)	0	(0)	1	(1)	6	(9)	8	(12)	20	(29)	5	(7)	5	(7)	0	(0)	69	(9.8)	
	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	(8.4)	
	G	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	3	(43)	2	(29)	0	(0)	2	(29)	0	(0)	0	(0)	7	(1.0)	
	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	(2.3)	
	I	0	(0)	0	(0)	8	(16)	1	(2)	5	(10)	4	(8)	0	(0)	0	(0)	3	(6)	1	(2)	16	(32)	8	(16)	2	(4)	2	(4)	50	(7.1)	
	J	1	(6)	3	(9)	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	(2.3)	
	K	0	(0)	5	(6)	9	(10)	2	(2)	27	(31)	4	(5)	1	(1)	0	(0)	6	(7)	2	(2)	16	(19)	5	(6)	9	(10)	0	(0)	86	(12.3)	
	L	0	(0)	1	(5)	2	(9)	1	(5)	5	(23)	2	(9)	0	(0)	0	(0)	1	(5)	1	(5)	4	(18)	2	(9)	3	(14)	0	(0)	22	(3.1)	
	M	1	(2)	1	(2)	0	(0)	1	(2)	8	(19)	4	(9)	0	(0)	4	(9)	3	(7)	4	(9)	11	(26)	2	(5)	4	(9)	0	(0)	43	(6.1)	
	N	1	(5)	0	(0)	4	(19)	0	(0)	4	(19)	0	(0)	0	(0)	0	(0)	3	(14)	0	(0)	8	(38)	1	(5)	0	(0)	0	(0)	21	(3.0)	
	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	(0.4)	
	P	1	(5)	2	(10)	1	(5)	0	(0)	3	(15)	1	(5)	1	(5)	0	(0)	1	(5)	1	(5)	3	(15)	1	(5)	5	(25)	0	(0)	20	(2.8)	
	Q	0	(0)	0	(0)	0	(0)	0	(0)	10	(71)	0	(0)	0	(0)	0	(0)	1	(7)	0	(0)	3	(21)	0	(0)	0	(0)	0	(0)	14	(2.0)	
	R	0	(0)	0	(0)	5	(23)	0	(0)	4	(18)	1	(5)	0	(0)	0	(0)	4	(18)	1	(5)	7	(32)	0	(0)	0	(0)	0	(0)	22	(3.1)	
	S	1	(11)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	3	(33)	3	(33)	2	(22)	0	(0)	9	(1.3)	
	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	(2.4)	
	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	(1.1)	
	V	1	(1)	6	(9)	23	(33)	0	(0)	16	(23)	3	(4)	0	(0)	0	(0)	3	(4)	1	(1)	12	(17)	4	(6)	1	(1)	0	(0)	70	(10.0)	
	W	1	(5)	0	(0)	2	(10)	0	(0)	6	(30)	3	(15)	0	(0)	0	(0)	0	(0)	0	(0)	6	(30)	0	(0)	2	(10)	0	(0)	20	(2.8)	
	X	0	(0)	0	(0)	0	(0)	0	(0)	2	(67)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	1	(33)	0	(0)	0	(0)	0	(0)	3	(0.4)	
	Y	0	(0)	1	(3)	2	(6)	0	(0)	2	(6)	3	(9)	0	(0)	4	(12)	4	(12)	2	(6)	11	(33)	3	(9)	1	(3)	0	(0)	33	(4.7)	
	2006 Total		11	(1.6)	23	(3.3)	114	(16.2)	11	(1.6)	149	(21.2)	40	(5.7)	5	(0.7)	16	(2.3)	48	(6.8)	33	(4.7)	162	(23.1)	41	(5.8)	46	(6.6)	3	(0.4)	702	
	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	(4.9)
		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	(2.8)
		C	0	(0)	1	(6)	0	(0)	0	(0)	3	(19)	2	(13)	0	(0)	0	(0)	0	(0)	1	(6)	7	(44)	1	(6)	1	(6)	0	(0)	16	(2.1)
		D	0	(0)	1	(2)	3	(5)	1	(2)	12	(22)	0	(0)	0	(0)	2	(4)	8	(15)	4	(7)	17	(31)	4	(7)	3	(5)	0	(0)	55	(7.3)
E		0	(0)	1	(50)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	1	(50)	0	(0)	0	(0)	2	(0.3)	
F		1	(1)	0	(0)	51	(76)	0	(0)	0	(0)	0	(0)	1	(1)	0	(0)	2	(3)	0	(0)	9	(13)	0	(0)	1	(1)	2	(3)	67	(8.9)	
G		0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	2	(33)	0	(0)	1	(17)	1	(17)	2	(33)	0	(0)	6	(0.8)	
H		0	(0)	1	(8)	0	(0)	0	(0)	4	(33)	0	(0)	0	(0)	0	(0)	1	(8)	1	(8)	2	(17)	0	(0)	3	(25)	0	(0)	12	(1.6)	
I		1	(2)	1	(2)	13	(24)	0	(0)	6	(11)	1	(2)	0	(0)	3	(5)	2	(4)	0	(0)	13	(24)	10	(18)	5	(9)	0	(0)	55	(7.3)	
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	(1.8)	
K		3	(3)	14	(14)	15	(15)	0	(0)	25	(25)	6	(6)	0	(0)	1	(1)	9	(9)	3	(3)	13	(13)	5	(5)	8	(8)	0	(0)	102	(13.5)	
L		1	(6)	1	(6)	2	(12)	0	(0)	5	(29)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	3	(18)	2	(12)	3	(18)	0	(0)	17	(2.2)	
M		0	(0)	0	(0)	1	(3)	1	(3)	4	(13)	2	(7)	0	(0)	0	(0)	7	(23)	0	(0)	9	(30)	3	(10)	3	(10)	0	(0)	30	(4.0)	
N		0	(0)	0	(0)	9	(36)	1	(4)	4	(16)	0	(0)	0	(0)	0	(0)	3	(12)	1	(4)	4	(16)	1	(4)	2	(8)	0	(0)	25	(3.3)	
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	(0.3)	
P		2	(25)	1	(13)	1	(13)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	1	(13)	0	(0)	2	(25)	0	(0)	1	(13)	0	(0)	8	(1.1)	
Q		1	(6)	0	(0)	0	(0)	0	(0)	3	(19)	0	(0)	1	(6)	1	(6)	2	(13)	0	(0)	8	(50)	0	(0)	0	(0)	0	(0)	16	(2.1)	
R		1	(3)	1	(3)	7	(21)	1	(3)	7	(21)	0	(0)	0	(0)	0	(0)	5	(15)	0	(0)	11	(33)	0	(0)	0	(0)	0	(0)	33	(4.4)	
S		0	(0)	0	(0)	0	(0)	1	(20)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	4	(80)	0	(0)	0	(0)	0	(0)	5	(0.7)	
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	(4.0)	
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	(1.5)	
V		0	(0)	1	(2)	22	(34)	2	(3)	13	(20)	4	(6)	1	(2)	1	(2)	6	(9)	1	(2)	7	(11)	2	(3)	5	(8)	0	(0)	65	(8.6)	
W		1	(4)	1	(4)	4	(15)	0	(0)	8	(30)	3	(11)	0	(0)	0	(0)	0	(0)	1	(4)	6	(22)	0	(0)	3	(11)	0	(0)	27	(3.6)	
X		0	(0)	0	(0)	0	(0)	0	(0)	4	(80)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	1	(20)	0	(0)	0	(0)	0	(0)	5	(0.7)	
Y		0	(0)	1	(3)	0	(0)	0	(0)	6	(21)	3	(10)	0	(0)	2	(7)	1	(3)	0	(0)	12	(41)	3	(10)	1	(3)	0	(0)	29	(3.8)	
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	(2.8)	
ZA		1	(2)	0	(0)	10	(22)	1	(2)	13	(28)	4	(9)	1	(2)	1	(2)	4	(9)	2												

Table 21 Admissions by primary diagnostic group (planned - other) by NHS trust, 2006 - 2008

Year	NHS Trust	Blood / lymphatic		Body wall and cavities		Cardiovascular		Endocrine / metabolic		Gastrointestinal		Diagnostic Group		Musculoskeletal		Neurological		Oncology		Respiratory		Trauma		Other		Unknown		Total					
		n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%				
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	(1.1)		
	B	0	(0)	1	(9)	1	(9)	0	(0)	0	(0)	2	(18)	1	(9)	0	(0)	0	(0)	1	(9)	3	(27)	0	(0)	1	(9)	0	(0)	11	(1.0)		
	C	0	(0)	1	(5)	5	(24)	0	(0)	0	(0)	1	(5)	0	(0)	0	(0)	0	(0)	4	(19)	1	(5)	8	(38)	1	(5)	0	(0)	0	(0)	21	(1.8)
	D	2	(5)	0	(0)	5	(13)	2	(5)	1	(3)	2	(5)	0	(0)	2	(5)	5	(13)	0	(0)	15	(38)	5	(13)	1	(3)	0	(0)	40	(3.5)		
	E	0	(0)	4	(4)	36	(37)	1	(1)	6	(6)	4	(4)	3	(3)	2	(2)	7	(7)	3	(3)	22	(22)	1	(1)	9	(9)	0	(0)	98	(8.5)		
	F	0	(0)	1	(4)	3	(13)	0	(0)	4	(17)	0	(0)	0	(0)	2	(9)	0	(0)	1	(4)	7	(30)	0	(0)	5	(22)	0	(0)	23	(2.0)		
	H	5	(7)	2	(3)	1	(1)	2	(3)	19	(26)	1	(1)	0	(0)	0	(0)	15	(21)	1	(1)	9	(13)	7	(10)	10	(14)	0	(0)	72	(6.2)		
	I	4	(4)	0	(0)	21	(22)	17	(18)	5	(5)	2	(2)	0	(0)	1	(1)	9	(9)	10	(10)	20	(21)	0	(0)	7	(7)	0	(0)	96	(8.3)		
	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	(0.2)		
	K	1	(1)	18	(15)	50	(43)	1	(1)	17	(15)	1	(1)	0	(0)	5	(4)	6	(5)	0	(0)	15	(13)	1	(1)	2	(2)	0	(0)	117	(10.1)		
	L	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	3	(10)	0	(0)	2	(7)	2	(7)	0	(0)	22	(73)	0	(0)	1	(3)	0	(0)	30	(2.6)		
	M	0	(0)	0	(0)	1	(5)	1	(5)	1	(5)	3	(16)	0	(0)	0	(0)	4	(21)	2	(11)	6	(32)	0	(0)	1	(5)	0	(0)	19	(1.6)		
	N	0	(0)	2	(40)	1	(20)	0	(0)	0	(0)	1	(20)	0	(0)	0	(0)	0	(0)	0	(0)	1	(20)	0	(0)	0	(0)	0	(0)	5	(0.4)		
	O	0	(0)	0	(0)	91	(78)	0	(0)	0	(0)	1	(1)	0	(0)	2	(2)	0	(0)	1	(1)	17	(15)	0	(0)	1	(1)	3	(3)	116	(10.1)		
	P	0	(0)	6	(15)	19	(49)	0	(0)	2	(5)	0	(0)	0	(0)	0	(0)	4	(10)	0	(0)	6	(15)	1	(3)	1	(3)	0	(0)	39	(3.4)		
	Q	0	(0)	0	(0)	2	(9)	1	(4)	2	(9)	1	(4)	0	(0)	2	(9)	1	(4)	1	(4)	7	(30)	1	(4)	5	(22)	0	(0)	23	(2.0)		
	R	1	(1)	4	(4)	19	(17)	1	(1)	30	(27)	5	(4)	2	(2)	1	(1)	9	(8)	1	(1)	28	(25)	0	(0)	11	(10)	0	(0)	112	(9.7)		
	S	0	(0)	0	(0)	0	(0)	1	(7)	0	(0)	1	(7)	0	(0)	3	(20)	1	(7)	0	(0)	7	(47)	1	(7)	1	(7)	0	(0)	15	(1.3)		
	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	(0.9)		
	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	(0.3)		
	V	1	(2)	2	(4)	20	(39)	2	(4)	9	(18)	2	(4)	0	(0)	0	(0)	3	(6)	0	(0)	9	(18)	1	(2)	1	(2)	1	(2)	51	(4.4)		
	W	0	(0)	1	(10)	4	(40)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	4	(40)	0	(0)	1	(10)	0	(0)	0	(0)	0	(0)	10	(0.9)		
	X	1	(0)	1	(0)	185	(89)	0	(0)	3	(1)	4	(2)	3	(1)	0	(0)	1	(0)	2	(1)	6	(3)	1	(0)	0	(0)	0	(0)	207	(18.0)		
	Y	0	(0)	0	(0)	1	(5)	0	(0)	3	(16)	1	(5)	0	(0)	1	(5)	0	(0)	0	(0)	7	(37)	1	(5)	5	(26)	0	(0)	19	(1.6)		
2006 Total		16	(1.4)	43	(3.7)	466	(40.4)	29	(2.5)	108	(9.4)	34	(2.9)	10	(0.9)	25	(2.2)	80	(6.9)	27	(2.3)	225	(19.5)	24	(2.1)	62	(5.4)	4	(0.3)	1,153			
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	(2.6)		
	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	(0.8)		
	C	0	(0)	0	(0)	2	(22)	0	(0)	0	(0)	2	(22)	0	(0)	1	(11)	0	(0)	1	(11)	2	(22)	0	(0)	1	(11)	0	(0)	9	(0.8)		
	D	0	(0)	1	(2)	6	(13)	2	(4)	1	(2)	2	(4)	1	(2)	2	(4)	6	(13)	0	(0)	17	(38)	4	(9)	3	(7)	0	(0)	45	(4.2)		
	E	0	(0)	3	(3)	43	(43)	5	(5)	3	(3)	1	(1)	0	(0)	0	(0)	9	(9)	1	(1)	31	(31)	0	(0)	4	(4)	0	(0)	100	(9.4)		
	F	0	(0)	1	(4)	2	(8)	0	(0)	2	(8)	1	(4)	0	(0)	1	(4)	1	(4)	1	(4)	15	(58)	0	(0)	2	(8)	0	(0)	26	(2.4)		
	H	2	(3)	1	(2)	1	(2)	2	(3)	4	(7)	3	(5)	0	(0)	0	(0)	11	(19)	0	(0)	2	(3)	3	(5)	30	(51)	0	(0)	59	(5.6)		
	I	5	(9)	1	(2)	8	(14)	11	(20)	2	(4)	1	(2)	0	(0)	3	(5)	7	(13)	4	(7)	11	(20)	0	(0)	3	(5)	0	(0)	56	(5.3)		
	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	-		
	K	2	(2)	16	(13)	55	(46)	0	(0)	9	(8)	4	(3)	1	(1)	2	(2)	8	(7)	4	(3)	16	(13)	0	(0)	2	(2)	0	(0)	119	(11.2)		
	L	0	(0)	0	(0)	0	(0)	1	(2)	0	(0)	0	(0)	0	(0)	5	(12)	4	(10)	0	(0)	31	(76)	0	(0)	0	(0)	0	(0)	41	(3.9)		
	M	0	(0)	0	(0)	3	(19)	0	(0)	1	(6)	2	(13)	0	(0)	1	(6)	3	(19)	2	(13)	2	(13)	1	(6)	1	(6)	0	(0)	16	(1.5)		
	N	0	(0)	0	(0)	1	(20)	1	(20)	0	(0)	0	(0)	0	(0)	0	(0)	1	(20)	0	(0)	2	(40)	0	(0)	0	(0)	0	(0)	5	(0.5)		
	O	0	(0)	0	(0)	104	(67)	2	(1)	2	(1)	1	(1)	0	(0)	2	(1)	0	(0)	0	(0)	32	(21)	0	(0)	2	(1)	10	(6)	155	(14.6)		
	P	0	(0)	3	(10)	17	(55)	0	(0)	3	(10)	0	(0)	0	(0)	2	(6)	0	(0)	0	(0)	4	(13)	0	(0)	2	(6)	0	(0)	31	(2.9)		
	Q	1	(4)	3	(12)	0	(0)	0	(0)	4	(15)	1	(4)	0	(0)	2	(8)	2	(8)	0	(0)	12	(46)	0	(0)	1	(4)	0	(0)	26	(2.4)		
	R	0	(0)	9	(11)	14	(17)	0	(0)	19	(23)	3	(4)	0	(0)	1	(1)	8	(10)	0	(0)	20	(25)	0	(0)	7	(9)	0	(0)	81	(7.6)		
	S	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	2	(11)	0	(0)	13	(72)	2	(11)	1	(6)	0	(0)	18	(1.7)		
	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	(1.2)		
	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	(0.6)		
	V	0	(0)	3	(3)	59	(64)	0	(0)	11	(12)	0	(0)	0	(0)	0	(0)	4	(4)	1	(1)	10	(11)	1	(1)	3	(3)	0	(0)	92	(8.7)		
	W	1	(8)	2	(15)	6	(46)	1	(8)	1	(8)	0	(0)	0	(0)	1	(8)	0	(0)	0	(0)	1	(8)	0	(0)	0	(0)	0	(0)	13	(1.2)		
	X	0	(0)	2	(3)	43	(74)	0	(0)	0	(0)	2	(3)	0	(0)	0	(0)	3	(5)	1	(2)	7	(12)	0	(0)	0	(0)	0	(0)	58	(5.5)		
	Y	0	(0)	1	(7)	3	(21)	0	(0)	1	(7)	0	(0)	0	(0)	0	(0)	1	(7)	1	(7)	4	(29)	2	(14)	1	(7)	0	(0)	14	(1.3)		
	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	(2.6)		
	ZA	0	(0)	2	(14)	6	(43)	0	(0)	2	(14)	2	(14)	0	(0)	0	(0)	1	(7)	0	(0)	1	(7)	0	(0)	0	(0)	0	(0)	14	(1.3)		
2007 Total		14	(1.3)	50	(4.7)	375	(35.3)	26	(2.4)	67	(6.3)</																						

Table 22 Admissions by primary diagnostic group (unplanned - other) by NHS trust, 2006 - 2008

Year	NHS Trust	Blood / lymphatic		Body wall and cavities		Cardiovascular		Endocrine / metabolic		Gastrointestinal		Diagnostic Group		Multisystem		Musculoskeletal		Neurological		Oncology		Respiratory		Trauma		Other		Unknown		Total	
		n	%	n	%	n	%	n	%	n	%	n	%	Infection	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	
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	(3.4)
	B	2	(2)	1	(1)	5	(4)	10	(9)	6	(5)	5	(4)	2	(2)	0	(0)	28	(25)	0	(0)	41	(37)	2	(2)	10	(9)	0	(0)	112	(1.5)
	C	0	(0)	1	(1)	8	(4)	9	(5)	3	(2)	28	(15)	0	(0)	0	(0)	30	(16)	0	(0)	78	(41)	20	(11)	13	(7)	0	(0)	190	(2.5)
	D	11	(3)	1	(0)	32	(9)	14	(4)	7	(2)	33	(9)	1	(0)	3	(1)	61	(17)	14	(4)	135	(38)	36	(10)	9	(3)	0	(0)	357	(4.7)
	E	12	(1)	37	(4)	218	(22)	50	(5)	69	(7)	50	(5)	2	(0)	5	(1)	107	(11)	20	(2)	305	(31)	50	(5)	49	(5)	0	(0)	974	(12.8)
	F	2	(0)	3	(0)	126	(21)	21	(3)	9	(1)	55	(9)	1	(0)	0	(0)	97	(16)	0	(0)	255	(42)	13	(2)	26	(4)	3	(0)	611	(8.0)
	G	0	(0)	0	(0)	2	(7)	0	(0)	0	(0)	4	(14)	0	(0)	0	(0)	12	(43)	0	(0)	5	(18)	3	(11)	2	(7)	0	(0)	28	(0.4)
	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	(1.7)
	I	7	(2)	4	(1)	63	(16)	18	(5)	19	(5)	35	(9)	1	(0)	2	(1)	46	(12)	6	(2)	129	(34)	25	(7)	26	(7)	3	(1)	384	(5.0)
	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	(0.5)
	K	6	(2)	15	(4)	81	(21)	13	(3)	47	(12)	40	(10)	2	(1)	0	(0)	39	(10)	7	(2)	104	(27)	15	(4)	13	(3)	0	(0)	382	(5.0)
	L	0	(0)	1	(0)	5	(2)	15	(7)	2	(1)	13	(6)	0	(0)	2	(1)	51	(25)	0	(0)	102	(50)	4	(2)	11	(5)	0	(0)	206	(2.7)
	M	1	(0)	3	(1)	10	(5)	19	(9)	9	(4)	15	(7)	1	(0)	0	(0)	52	(24)	4	(2)	71	(33)	20	(9)	12	(6)	0	(0)	217	(2.9)
	N	1	(1)	2	(2)	18	(15)	4	(3)	2	(2)	9	(7)	0	(0)	0	(0)	33	(27)	2	(2)	34	(28)	13	(11)	3	(2)	0	(0)	121	(1.6)
	O	0	(0)	0	(0)	66	(57)	0	(0)	1	(1)	7	(6)	0	(0)	3	(3)	0	(0)	0	(0)	19	(17)	0	(0)	0	(0)	19	(17)	115	(1.5)
	P	4	(1)	11	(2)	109	(20)	15	(3)	14	(3)	44	(8)	1	(0)	1	(0)	97	(18)	7	(1)	189	(34)	44	(8)	16	(3)	0	(0)	552	(7.3)
	Q	4	(1)	19	(6)	8	(2)	13	(4)	30	(9)	21	(6)	0	(0)	4	(1)	67	(20)	9	(3)	130	(38)	21	(6)	13	(4)	0	(0)	339	(4.5)
	R	2	(1)	3	(1)	46	(17)	9	(3)	26	(10)	17	(6)	1	(0)	1	(0)	53	(20)	3	(1)	83	(31)	16	(6)	9	(3)	0	(0)	269	(3.5)
	S	0	(0)	0	(0)	5	(4)	8	(6)	0	(0)	7	(5)	0	(0)	1	(1)	22	(16)	0	(0)	70	(52)	12	(9)	10	(7)	0	(0)	135	(1.8)
	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	(3.5)
	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	(4.4)
	V	6	(1)	8	(1)	125	(21)	21	(4)	44	(7)	27	(5)	0	(0)	3	(1)	68	(12)	3	(1)	219	(37)	49	(8)	14	(2)	1	(0)	588	(7.7)
	W	4	(1)	4	(1)	83	(22)	12	(3)	10	(3)	36	(10)	0	(0)	1	(0)	94	(25)	12	(3)	97	(26)	11	(3)	8	(2)	1	(0)	373	(4.9)
	X	3	(1)	16	(4)	111	(25)	8	(2)	25	(6)	29	(7)	1	(0)	3	(1)	55	(12)	7	(2)	148	(33)	22	(5)	12	(3)	3	(1)	443	(5.8)
	Y	0	(0)	2	(1)	9	(5)	2	(1)	14	(7)	24	(12)	0	(0)	1	(1)	32	(17)	4	(2)	80	(41)	15	(8)	10	(5)	0	(0)	193	(2.5)
2006 Total		80	(1.1)	135	(1.8)	1,176	(15.5)	301	(4.0)	382	(5.0)	587	(7.7)	20	(0.3)	36	(0.5)	1,271	(16.7)	143	(1.9)	2,694	(35.4)	439	(5.8)	306	(4.0)	37	(0.5)	7,607	
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	(3.9)
	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	(1.2)
	C	4	(2)	0	(0)	9	(4)	12	(6)	4	(2)	28	(13)	0	(0)	2	(1)	46	(21)	5	(2)	77	(36)	12	(6)	17	(8)	0	(0)	216	(2.5)
	D	5	(1)	0	(0)	35	(8)	19	(4)	3	(1)	45	(11)	0	(0)	1	(0)	86	(20)	9	(2)	173	(41)	35	(8)	14	(3)	0	(0)	425	(5.0)
	E	2	(0)	29	(4)	193	(24)	38	(5)	60	(7)	36	(4)	5	(1)	7	(1)	71	(9)	26	(3)	273	(34)	45	(6)	19	(2)	1	(0)	805	(9.4)
	F	4	(1)	2	(0)	129	(19)	24	(3)	11	(2)	56	(8)	0	(0)	0	(0)	98	(14)	1	(0)	318	(46)	14	(2)	32	(5)	1	(0)	690	(8.1)
	G	0	(0)	0	(0)	3	(8)	0	(0)	0	(0)	8	(21)	0	(0)	0	(0)	16	(41)	0	(0)	7	(18)	3	(8)	2	(5)	0	(0)	39	(0.5)
	H	3	(2)	0	(0)	7	(5)	4	(3)	15	(11)	5	(4)	0	(0)	1	(1)	21	(16)	1	(1)	38	(29)	12	(9)	24	(18)	1	(1)	132	(1.5)
	I	1	(0)	9	(2)	59	(15)	24	(6)	14	(4)	38	(10)	0	(0)	3	(1)	62	(16)	1	(0)	134	(34)	24	(6)	24	(6)	5	(1)	398	(4.7)
	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	(0.8)
	K	13	(3)	25	(6)	72	(18)	9	(2)	38	(9)	26	(6)	2	(0)	11	(3)	54	(13)	15	(4)	100	(25)	18	(4)	19	(5)	0	(0)	402	(4.7)
	L	2	(1)	0	(0)	12	(5)	13	(5)	5	(2)	12	(5)	0	(0)	0	(0)	45	(18)	0	(0)	146	(58)	10	(4)	8	(3)	0	(0)	253	(3.0)
	M	2	(1)	1	(1)	11	(6)	12	(6)	5	(3)	21	(11)	0	(0)	0	(0)	40	(20)	4	(2)	74	(38)	14	(7)	13	(7)	0	(0)	197	(2.3)
	N	3	(2)	2	(1)	19	(12)	4	(3)	2	(1)	11	(7)	0	(0)	0	(0)	32	(20)	4	(3)	56	(36)	13	(8)	11	(7)	0	(0)	157	(1.8)
	O	1	(1)	0	(0)	69	(60)	0	(0)	0	(0)	0	(0)	0	(0)	2	(2)	1	(1)	0	(0)	33	(29)	0	(0)	0	(0)	9	(8)	115	(1.3)
	P	4	(1)	13	(2)	107	(19)	7	(1)	27	(5)	58	(11)	4	(1)	5	(1)	78	(14)	14	(3)	189	(34)	32	(6)	12	(2)	0	(0)	550	(6.4)
	Q	3	(1)	22	(6)	6	(2)	17	(4)	27	(7)	36	(9)	0	(0)	2	(1)	56	(14)	11	(3)	174	(45)	16	(4)	17	(4)	1	(0)	388	(4.5)
	R	1	(0)	3	(1)	59	(16)	8	(2)	26	(7)	21	(6)	0	(0)	0	(0)	90	(25)	3	(1)	125	(34)	12	(3)	16	(4)	0	(0)	364	(4.3)
	S	0	(0)	0	(0)	2	(2)	4	(3)	0	(0)	4	(3)	0	(0)	1	(1)	31	(26)	1	(1)	65	(54)	10	(8)	3	(2)	0	(0)	121	(1.4)
	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	(2.6)
	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	(3.9)
	V	5	(1)	10	(2)	157	(24)	22	(3)	56	(8)	30	(5)	1	(0)	6	(1)	67	(10)	11	(2)	215	(32)	63	(9)	22	(3)	0	(0)	665	(7.8)
	W	5	(1)	4	(1)	105	(26)	15	(4)	17	(4)	33	(8)	0	(0)	4	(1)	79	(19)	5	(1)	126	(31)	9	(2)	6	(1)	0	(0)	408	(4.8)
	X	2	(0)	16	(3)	82	(18																								

Table 23 Most commonly returned Read Codes for primary reason for admission, 2006 - 2008

Primary Diagnosis	Sex								Total	
	Male		Female		Ambiguous		Unknown			
	n	%	n	%	n	%	n	%	n	%
	702	(52)	647	(48)	0	(0)	0	(0)	1,349	(8.0)
Ventricular septal defect (P54..)	643	(57)	489	(43)	0	(0)	0	(0)	1,132	(6.7)
Respiratory failure (XM09V)	607	(61)	380	(39)	0	(0)	0	(0)	987	(5.8)
Tetralogy of Fallot (P52..)	532	(55)	428	(45)	1	(0)	0	(0)	961	(5.7)
Status epilepticus (X007B)	619	(69)	283	(31)	0	(0)	0	(0)	902	(5.3)
Discordant ventriculoarterial connection (P51..)	570	(66)	288	(34)	0	(0)	0	(0)	858	(5.1)
Hypoplastic left heart syndrome (P67..)	441	(52)	413	(48)	0	(0)	0	(0)	854	(5.1)
Sepsis (X70VZ)	475	(58)	341	(42)	2	(0)	0	(0)	818	(4.8)
Acute bronchiolitis due to respiratory syncytial virus (H0615)	495	(61)	318	(39)	0	(0)	0	(0)	813	(4.8)
Bronchiolitis (XSDOK)	361	(47)	407	(53)	0	(0)	0	(0)	768	(4.6)
Atrioventricular septal defect & common atriovent junction (X77wc)	479	(68)	224	(32)	0	(0)	0	(0)	703	(4.2)
Injury of head region (XA003)	355	(52)	332	(48)	0	(0)	0	(0)	687	(4.1)
Pneumonia (X100E)	410	(62)	247	(38)	0	(0)	0	(0)	657	(3.9)
Aortic coarctation (P71..)	265	(42)	362	(58)	0	(0)	0	(0)	627	(3.7)
Atrial septal defect (X77vY)	223	(37)	387	(63)	0	(0)	0	(0)	610	(3.6)
Acquired scoliosis (X70D3)	346	(59)	245	(41)	0	(0)	0	(0)	591	(3.5)
Acute bronchiolitis (H061..)	256	(49)	271	(51)	0	(0)	0	(0)	527	(3.1)
Patent ductus arteriosus (P70..)	272	(55)	222	(45)	0	(0)	0	(0)	494	(2.9)
Meningococcal septicaemia (A362..)	254	(53)	221	(46)	1	(0)	0	(0)	476	(2.8)
Acute lower respiratory tract infection (XE0Xt)	178	(49)	184	(51)	0	(0)	0	(0)	362	(2.1)
Gastroschisis (PG71..)	201	(56)	155	(43)	0	(0)	1	(0)	357	(2.1)
Neonatal necrotising enterocolitis (Q464..)	194	(55)	158	(45)	0	(0)	0	(0)	352	(2.1)
Asthma (H33..)	187	(56)	149	(44)	0	(0)	0	(0)	336	(2.0)
Febrile convulsion (XM03I)	165	(49)	170	(51)	0	(0)	0	(0)	335	(2.0)
Intracranial tumour (X78ZI)	207	(64)	115	(36)	0	(0)	0	(0)	322	(1.9)
Acute laryngotracheobronchitis (Xa0IW)	9,437	(55.9)	7,436	(44.1)	4	(0.0)	1	(0.0)	16,878	
Total										

**Table 24 Most commonly returned Read Codes for primary reason for 'unplanned - following surgery' admissions, 2006 - 2008**

Primary Diagnosis	Sex								Total	
	Male		Female		Ambiguous		Unknown			
	n	%	n	%	n	%	n	%	n	%
Hypoplastic left heart syndrome (P67..)	43	(65)	23	(35)	0	(0)	0	(0)	66	(9.6)
Empyema (XaE01)	24	(55)	20	(45)	0	(0)	0	(0)	44	(6.4)
Intussusception (J500.)	30	(71)	12	(29)	0	(0)	0	(0)	42	(6.1)
Ventricular septal defect (P54..)	22	(54)	19	(46)	0	(0)	0	(0)	41	(6.0)
Discordant ventriculoarterial connection (P51..)	29	(76)	9	(24)	0	(0)	0	(0)	38	(5.5)
Injury of head region (XA003)	26	(70)	11	(30)	0	(0)	0	(0)	37	(5.4)
Obstructive sleep apnoea (X0084)	23	(68)	11	(32)	0	(0)	0	(0)	34	(4.9)
Respiratory failure (XM09V)	20	(61)	13	(39)	0	(0)	0	(0)	33	(4.8)
Obstruction of intestine (X305B)	13	(41)	19	(59)	0	(0)	0	(0)	32	(4.7)
Gastro-oesophageal reflux disease (X3003)	9	(35)	17	(65)	0	(0)	0	(0)	26	(3.8)
Gastroschisis (PG71.)	15	(58)	11	(42)	0	(0)	0	(0)	26	(3.8)
Malrotation of intestine (X305T)	15	(60)	10	(40)	0	(0)	0	(0)	25	(3.6)
Sepsis (X70VZ)	13	(54)	11	(46)	0	(0)	0	(0)	24	(3.5)
Appendicitis (Xa9C4)	11	(48)	12	(52)	0	(0)	0	(0)	23	(3.3)
Pneumonia (X100E)	10	(45)	12	(55)	0	(0)	0	(0)	22	(3.2)
Head injury NOS (XA004)	14	(74)	5	(26)	0	(0)	0	(0)	19	(2.8)
Neonatal necrotising enterocolitis (Q464.)	12	(63)	7	(37)	0	(0)	0	(0)	19	(2.8)
Hydrocephalus (X00EG)	15	(79)	4	(21)	0	(0)	0	(0)	19	(2.8)
Intracranial tumour (X78ZI)	11	(61)	7	(39)	0	(0)	0	(0)	18	(2.6)
Extradural haematoma (Xa0AC)	13	(76)	4	(24)	0	(0)	0	(0)	17	(2.5)
Acute intestinal obstruction (J50z4)	13	(76)	4	(24)	0	(0)	0	(0)	17	(2.5)
Sleep apnoea (X0083)	12	(71)	5	(29)	0	(0)	0	(0)	17	(2.5)
Subglottic stenosis (X00nG)	11	(65)	6	(35)	0	(0)	0	(0)	17	(2.5)
Hirschsprung's disease (PB30.)	12	(75)	4	(25)	0	(0)	0	(0)	16	(2.3)
Acquired scoliosis (X70D3)	8	(53)	7	(47)	0	(0)	0	(0)	15	(2.2)
Total	424	(61.7)	263	(38.3)	0	(0.0)	0	(0.0)	687	

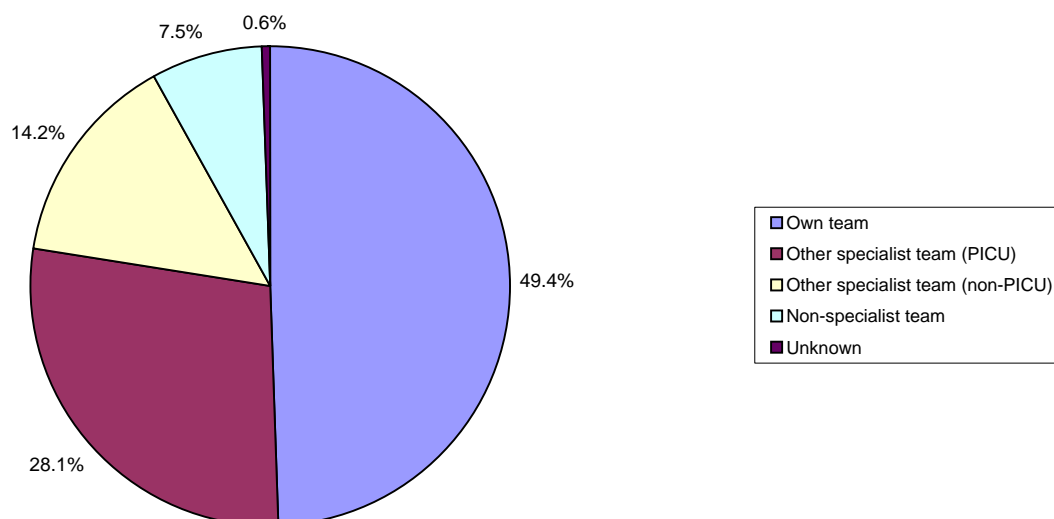
Table 25 Most commonly returned Read Codes for primary reason for 'unplanned - other' admission, 2006 - 2008

Primary Diagnosis	Sex								Total	
	Male		Female		Ambiguous		Unknown			
	n	%	n	%	n	%	n	%	n	%
Respiratory failure (XM09V)	581	(57)	440	(43)	0	(0)	0	(0)	1,021	(9.4)
Status epilepticus (X007B)	516	(56)	410	(44)	1	(0)	0	(0)	927	(8.6)
Bronchiolitis (XSDOK)	481	(61)	311	(39)	0	(0)	0	(0)	792	(7.3)
Acute bronchiolitis due to respiratory syncytial virus (H0615)	458	(58)	328	(42)	2	(0)	0	(0)	788	(7.3)
Sepsis (X70VZ)	405	(52)	372	(48)	0	(0)	0	(0)	777	(7.2)
Injury of head region (XA003)	431	(68)	206	(32)	0	(0)	0	(0)	637	(5.9)
Pneumonia (X100E)	322	(51)	308	(49)	0	(0)	0	(0)	630	(5.8)
Acute bronchiolitis (H061.)	333	(59)	232	(41)	0	(0)	0	(0)	565	(5.2)
Meningococcal septicaemia (A362.)	266	(55)	215	(45)	0	(0)	0	(0)	481	(4.4)
Acute lower respiratory tract infection (XE0Xt)	237	(54)	198	(45)	1	(0)	0	(0)	436	(4.0)
Asthma (H33..)	183	(54)	155	(46)	0	(0)	0	(0)	338	(3.1)
Febrile convulsion (XM03I)	185	(56)	145	(44)	0	(0)	0	(0)	330	(3.0)
Acute laryngotracheobronchitis (Xa0IW)	198	(64)	110	(36)	0	(0)	0	(0)	308	(2.8)
Hypoplastic left heart syndrome (P67..)	186	(66)	94	(34)	0	(0)	0	(0)	280	(2.6)
Discordant ventriculoarterial connection (P51..)	194	(72)	74	(28)	0	(0)	0	(0)	268	(2.5)
Status asthmaticus (X102D)	156	(58)	112	(42)	0	(0)	0	(0)	268	(2.5)
Diabetic ketoacidosis (C101.)	103	(41)	149	(59)	0	(0)	0	(0)	252	(2.3)
Neonatal necrotising enterocolitis (Q464.)	139	(55)	111	(44)	0	(0)	1	(0)	251	(2.3)
Aspiration pneumonitis (H47..)	120	(52)	110	(48)	0	(0)	0	(0)	230	(2.1)
Cardiac arrest (XE0V5)	125	(56)	97	(44)	0	(0)	0	(0)	222	(2.1)
Isolated seizures (X006i)	121	(55)	99	(45)	0	(0)	0	(0)	220	(2.0)
Respiratory arrest (XM09W)	136	(62)	83	(38)	0	(0)	0	(0)	219	(2.0)
Exacerbation of asthma (Xa1hD)	116	(55)	95	(45)	0	(0)	0	(0)	211	(1.9)
Meningitis (X000H)	115	(59)	81	(41)	0	(0)	0	(0)	196	(1.8)
Aortic coarctation (P71..)	108	(61)	68	(39)	0	(0)	0	(0)	176	(1.6)
Total	6,215	(57.4)	4,603	(42.5)	4	(0.0)	1	(0.0)	10,823	

Table 26 Retrievals by team type and age, 2006 - 2008

Retrieval Team	Age Group (Years)								Total	
	<1		1-4		5-10		11-15			
	n	%	n	%	n	%	n	%	n	%
Own team	3,865	(50)	2,181	(28)	966	(12)	767	(10)	7,779	(49.4)
Other specialist team (PICU)	2,509	(57)	1,019	(23)	476	(11)	424	(10)	4,428	(28.1)
Other specialist team (non-PICU)	1,641	(73)	211	(9)	157	(7)	232	(10)	2,241	(14.2)
Non-specialist team	616	(52)	202	(17)	159	(13)	208	(18)	1,185	(7.5)
Unknown	41	(40)	32	(31)	11	(11)	18	(18)	102	(0.6)
Total	8,672	(55.1)	3,645	(23.2)	1,769	(11.2)	1,649	(10.5)	15,735	

Figure 26 Retrievals by team type, 2006 - 2008



**Table 27 'Non-specialist team' retrievals by diagnostic group and age, 2006 - 2008**

Diagnostic Group	Age Group (Years)								Total	
	<1		1-4		5-10		11-15			
	n	%	n	%	n	%	n	%	n	%
Blood / lymphatic	3	(19)	6	(38)	5	(31)	2	(13)	16	(1.4)
Body wall and cavities	29	(94)	1	(3)	0	(0)	1	(3)	31	(2.6)
Cardiovascular	149	(79)	14	(7)	6	(3)	19	(10)	188	(15.9)
Endocrine / metabolic	16	(52)	2	(6)	5	(16)	8	(26)	31	(2.6)
Gastrointestinal	120	(79)	11	(7)	9	(6)	11	(7)	151	(12.7)
Infection	22	(52)	8	(19)	8	(19)	4	(10)	42	(3.5)
Multisystem	4	(80)	0	(0)	0	(0)	1	(20)	5	(0.4)
Musculoskeletal	6	(50)	4	(33)	2	(17)	0	(0)	12	(1.0)
Neurological	57	(32)	38	(21)	40	(22)	44	(25)	179	(15.1)
Oncology	9	(25)	11	(31)	7	(19)	9	(25)	36	(3.0)
Respiratory	148	(55)	64	(24)	24	(9)	31	(12)	267	(22.5)
Trauma	11	(7)	38	(24)	46	(29)	64	(40)	159	(13.4)
Other	40	(61)	5	(8)	7	(11)	14	(21)	66	(5.6)
Unknown	2	(100)	0	(0)	0	(0)	0	(0)	2	(0.2)
Total	616	(52.0)	202	(17.0)	159	(13.4)	208	(17.6)	1,185	



Table 28 Retrievals by retrieval type by NHS trust, 2006 - 2008

Table 26 Retrievals by Retrieval type by NHS trust, 2006 - 2008													
Year	NHS Trust	Own team		Other specialist team (PICU)		Other specialist team (non-PICU)		Non-specialist team		Unknown		Total	
		n	%	n	%	n	%	n	%	n	%	n	%
2006	A	50	(38)	42	(32)	17	(13)	23	(17)	0	(0)	132	(2.7)
	B	2	(20)	4	(40)	3	(30)	1	(10)	0	(0)	10	(0.2)
	C	90	(80)	12	(11)	4	(4)	7	(6)	0	(0)	113	(2.3)
	D	169	(57)	34	(11)	68	(23)	27	(9)	0	(0)	298	(6.1)
	E	6	(1)	593	(79)	4	(1)	144	(19)	0	(0)	747	(15.3)
	F	388	(80)	66	(14)	10	(2)	20	(4)	0	(0)	484	(9.9)
	G	0	(0)	0	(0)	0	(0)	1	(100)	0	(0)	1	-
	H	6	(5)	92	(83)	7	(6)	6	(5)	0	(0)	111	(2.3)
	I	130	(64)	15	(7)	51	(25)	6	(3)	0	(0)	202	(4.1)
	J	0	(0)	0	(0)	2	(100)	0	(0)	0	(0)	2	-
	K	99	(33)	44	(15)	117	(39)	40	(13)	0	(0)	300	(6.1)
	L	114	(77)	7	(5)	22	(15)	5	(3)	0	(0)	148	(3.0)
	M	109	(81)	10	(7)	11	(8)	4	(3)	0	(0)	134	(2.7)
	N	48	(64)	9	(12)	8	(11)	10	(13)	0	(0)	75	(1.5)
	O	2	(1)	14	(10)	131	(89)	0	(0)	0	(0)	147	(3.0)
	P	211	(66)	19	(6)	38	(12)	52	(16)	0	(0)	320	(6.6)
	Q	98	(62)	4	(3)	44	(28)	12	(8)	0	(0)	158	(3.2)
	R	148	(64)	10	(4)	50	(21)	25	(11)	0	(0)	233	(4.8)
	S	0	(0)	7	(23)	14	(45)	10	(32)	0	(0)	31	(0.6)
	T	0	(0)	118	(91)	1	(1)	11	(8)	0	(0)	130	(2.7)
	U	3	(1)	244	(91)	19	(7)	2	(1)	1	(0)	269	(5.5)
	V	115	(65)	27	(15)	22	(12)	13	(7)	0	(0)	177	(3.6)
	W	220	(91)	2	(1)	1	(0)	12	(5)	7	(3)	242	(5.0)
	X	139	(52)	39	(14)	51	(19)	7	(3)	33	(12)	269	(5.5)
	Y	120	(81)	10	(7)	17	(11)	1	(1)	0	(0)	148	(3.0)
2006 Total		2,267	(46.4)	1,422	(29.1)	712	(14.6)	439	(9.0)	41	(0.8)	4,881	
2007	A	43	(24)	78	(43)	60	(33)	1	(1)	0	(0)	182	(3.4)
	B	3	(23)	4	(31)	0	(0)	6	(46)	0	(0)	13	(0.2)
	C	111	(88)	10	(8)	5	(4)	0	(0)	0	(0)	126	(2.4)
	D	244	(69)	22	(6)	82	(23)	7	(2)	0	(0)	355	(6.7)
	E	14	(2)	467	(78)	3	(1)	113	(19)	1	(0)	598	(11.2)
	F	463	(78)	109	(18)	13	(2)	5	(1)	0	(0)	590	(11.1)
	G	0	(0)	0	(0)	0	(0)	1	(100)	0	(0)	1	-
	H	5	(5)	79	(84)	9	(10)	1	(1)	0	(0)	94	(1.8)
	I	152	(71)	11	(5)	43	(20)	8	(4)	0	(0)	214	(4.0)
	J	0	(0)	1	(50)	1	(50)	0	(0)	0	(0)	2	-
	K	123	(40)	57	(18)	90	(29)	41	(13)	0	(0)	311	(5.8)
	L	136	(81)	11	(7)	21	(13)	0	(0)	0	(0)	168	(3.2)
	M	59	(61)	14	(14)	15	(15)	9	(9)	0	(0)	97	(1.8)
	N	58	(68)	17	(20)	5	(6)	5	(6)	0	(0)	85	(1.6)
	O	0	(0)	4	(2)	182	(98)	0	(0)	0	(0)	186	(3.5)
	P	200	(64)	14	(5)	46	(15)	51	(16)	0	(0)	311	(5.8)
	Q	109	(64)	9	(5)	46	(27)	6	(4)	0	(0)	170	(3.2)
	R	204	(71)	12	(4)	50	(17)	20	(7)	0	(0)	286	(5.4)
	S	3	(9)	8	(25)	14	(44)	7	(22)	0	(0)	32	(0.6)
	T	0	(0)	82	(71)	4	(3)	2	(2)	28	(24)	116	(2.2)
	U	9	(3)	262	(95)	3	(1)	1	(0)	0	(0)	275	(5.2)
	V	138	(53)	29	(11)	68	(26)	24	(9)	0	(0)	259	(4.9)
	W	221	(86)	4	(2)	6	(2)	22	(9)	3	(1)	256	(4.8)
	X	198	(65)	32	(11)	56	(18)	6	(2)	11	(4)	303	(5.7)
	Y	124	(82)	6	(4)	16	(11)	6	(4)	0	(0)	152	(2.9)
	Z	34	(53)	13	(20)	4	(6)	12	(19)	1	(2)	64	(1.2)
	ZA	72	(91)	6	(8)	1	(1)	0	(0)	0	(0)	79	(1.5)
2007 Total		2,723	(51.1)	1,361	(25.6)	843	(15.8)	354	(6.6)	44	(0.8)	5,325	
2008	A	27	(19)	79	(55)	36	(25)	1	(1)	1	(1)	144	(2.6)
	B	3	(23)	4	(31)	2	(15)	4	(31)	0	(0)	13	(0.2)
	C	120	(88)	6	(4)	5	(4)	6	(4)	0	(0)	137	(2.5)
	D	195	(64)	26	(9)	40	(13)	44	(14)	0	(0)	305	(5.5)
	E	95	(13)	586	(78)	9	(1)	59	(8)	3	(0)	752	(13.6)
	F	425	(82)	69	(13)	9	(2)	14	(3)	0	(0)	517	(9.4)
	H	2	(2)	111	(94)	2	(2)	2	(2)	1	(1)	118	(2.1)
	I	147	(66)	19	(9)	48	(22)	9	(4)	0	(0)	223	(4.0)
	J	1	(50)	0	(0)	1	(50)	0	(0)	0	(0)	2	-
	K	133	(41)	57	(17)	94	(29)	43	(13)	1	(0)	328	(5.9)
	L	125	(83)	2	(1)	23	(15)	0	(0)	0	(0)	150	(2.7)
	M	68	(67)	10	(10)	15	(15)	8	(8)	0	(0)	101	(1.8)
	N	54	(72)	5	(7)	12	(16)	3	(4)	1	(1)	75	(1.4)
	O	0	(0)	153	(96)	6	(4)	0	(0)	0	(0)	159	(2.9)
	P	225	(63)	18	(5)	73	(20)	41	(11)	0	(0)	357	(6.5)
	Q	111	(64)	14	(8)	38	(22)	11	(6)	0	(0)	174	(3.1)
	R	189	(73)	7	(3)	46	(18)	17	(7)	0	(0)	259	(4.7)
	S	3	(8)	4	(11)	22	(61)	7	(19)	0	(0)	36	(0.7)
	T	9	(5)	160	(90)	4	(2)	4	(2)	0	(0)	177	(3.2)
	U	4	(2)	203	(97)	3	(1)	0	(0)	0	(0)	210	(3.8)
	V	160	(55)	23	(8)	80	(28)	27	(9)	0	(0)	290	(5.2)
	W	198	(87)	5	(2)	6	(3)	15	(7)	3	(1)	227	(4.1)
	X	201	(67)	52	(17)	41	(14)	6	(2)	2	(1)	302	(5.5)
	Y	135	(83)	6	(4)	16	(10)	5	(3)	0	(0)	162	(2.9)
	Z	35	(36)	20	(21)	10	(10)	29	(30)	2	(2)	96	(1.7)
	ZA	113	(89)	5	(4)	2	(2)	4	(3)	3	(2)	127	(2.3)
	ZB	11	(13)	1	(1)	43	(49)	33	(38)	0	(0)	88	(1.6)
2008 Total		2,789	(50.4)	1,645	(29.8)	686	(12.4)	392	(7.1)	17	(0.3)	5,529	
Grand Total		7,779	(49.4)	4,428	(28.1)	2,241	(14.2)	1,185	(7.5)	102	(0.6)	15,735	

Table 29 Interventions received by NHS trust, 2006 - 2008

Table 23 Interventions received by NHS trust, 2006 - 2008																			
Year	NHS Trust	Invasive Ventilation		Non-Invasive Ventilation		Tracheostomy		Intervention ECMO		IV Vasoactive Drugs		LVAD		ICP Device		Renal Support		Admissions	
		n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
2006	A	180	(40)	34	(8)	10	(2)	0	(0)	50	(11)	0	(0)	21	(5)	2	(0)	449	(3.1)
	B	14	(6)	35	(15)	3	(1)	0	(0)	1	(0)	0	(0)	1	(0)	0	(0)	227	(1.6)
	C	231	(77)	34	(11)	4	(1)	0	(0)	29	(10)	0	(0)	6	(2)	6	(2)	301	(2.1)
	D	446	(78)	82	(14)	24	(4)	0	(0)	157	(27)	0	(0)	41	(7)	16	(3)	571	(4.0)
	E	1,403	(88)	147	(9)	43	(3)	57	(4)	771	(48)	2	(0)	57	(4)	80	(5)	1,599	(11.2)
	F	858	(79)	6	(1)	14	(1)	1	(0)	352	(32)	0	(0)	0	(0)	42	(4)	1,087	(7.6)
	G	34	(94)	4	(11)	0	(0)	0	(0)	26	(72)	0	(0)	3	(8)	0	(0)	36	(0.3)
	H	230	(73)	29	(9)	6	(2)	0	(0)	59	(19)	0	(0)	10	(3)	23	(7)	315	(2.2)
	I	588	(65)	75	(8)	24	(3)	5	(1)	344	(38)	1	(0)	17	(2)	78	(9)	909	(6.3)
	J	25	(34)	7	(9)	0	(0)	0	(0)	5	(7)	0	(0)	0	(0)	0	(0)	74	(0.5)
	K	562	(62)	67	(7)	56	(6)	15	(2)	298	(33)	10	(1)	16	(2)	44	(5)	907	(6.3)
	L	171	(57)	71	(24)	14	(5)	0	(0)	72	(24)	0	(0)	3	(1)	6	(2)	299	(2.1)
	M	236	(58)	44	(11)	8	(2)	0	(0)	46	(11)	0	(0)	12	(3)	15	(4)	404	(2.8)
	N	232	(84)	48	(17)	6	(2)	1	(0)	117	(43)	0	(0)	14	(5)	11	(4)	275	(1.9)
	O	473	(72)	146	(22)	2	(0)	3	(0)	379	(58)	0	(0)	0	(0)	25	(4)	657	(4.6)
	P	867	(79)	58	(5)	24	(2)	4	(0)	368	(33)	1	(0)	16	(1)	21	(2)	1,102	(7.7)
	Q	214	(43)	67	(13)	12	(2)	0	(0)	83	(17)	0	(0)	13	(3)	14	(3)	503	(3.5)
	R	519	(79)	80	(12)	21	(3)	2	(0)	205	(31)	0	(0)	19	(3)	21	(3)	656	(4.6)
	S	76	(40)	30	(16)	5	(3)	0	(0)	15	(8)	0	(0)	6	(3)	0	(0)	188	(1.3)
	T	179	(40)	120	(27)	0	(0)	0	(0)	33	(7)	0	(0)	9	(2)	2	(0)	442	(3.1)
	U	273	(74)	40	(11)	3	(1)	0	(0)	99	(27)	0	(0)	0	(0)	6	(2)	367	(2.6)
	V	874	(84)	220	(21)	10	(1)	1	(0)	482	(46)	0	(0)	39	(4)	67	(6)	1,046	(7.3)
	W	523	(81)	165	(26)	18	(3)	1	(0)	372	(58)	0	(0)	42	(7)	46	(7)	642	(4.5)
	X	430	(49)	50	(6)	24	(3)	44	(5)	217	(25)	0	(0)	0	(0)	33	(4)	876	(6.1)
	Y	219	(55)	32	(8)	9	(2)	0	(0)	30	(8)	0	(0)	7	(2)	0	(0)	396	(2.8)
2006 Total		9,857	(68.8)	1,691	(11.8)	340	(2.4)	134	###	4,610	(32.2)	14	(0.1)	352	(2.5)	558	(3.9)	14,328	
2007	A	202	(39)	32	(6)	9	(2)	2	(0)	65	(13)	0	(0)	14	(3)	2	(0)	512	(3.3)
	B	17	(10)	34	(20)	2	(1)	1	(1)	5	(3)	0	(0)	0	(0)	0	(0)	171	(1.1)
	C	261	(82)	32	(10)	20	(6)	0	(0)	40	(13)	0	(0)	10	(3)	17	(5)	317	(2.0)
	D	488	(76)	95	(15)	20	(3)	1	(0)	150	(23)	0	(0)	38	(6)	14	(2)	639	(4.1)
	E	1,240	(84)	127	(9)	61	(4)	49	(3)	713	(48)	11	(1)	52	(4)	60	(4)	1,473	(9.5)
	F	949	(79)	17	(1)	16	(1)	0	(0)	386	(32)	0	(0)	0	(0)	36	(3)	1,197	(7.7)
	G	42	(93)	5	(11)	0	(0)	0	(0)	31	(69)	0	(0)	5	(11)	0	(0)	45	(0.3)
	H	135	(47)	11	(4)	3	(1)	1	(0)	20	(7)	0	(0)	7	(2)	9	(3)	290	(1.9)
	I	609	(68)	67	(7)	23	(3)	4	(0)	336	(37)	0	(0)	22	(2)	74	(8)	901	(5.8)
	J	22	(18)	15	(13)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	119	(0.8)
	K	600	(64)	97	(10)	50	(5)	21	(2)	315	(34)	18	(2)	13	(1)	50	(5)	937	(6.0)
	L	177	(50)	95	(27)	6	(2)	0	(0)	46	(13)	0	(0)	2	(1)	4	(1)	355	(2.3)
	M	189	(54)	50	(14)	13	(4)	0	(0)	58	(17)	0	(0)	15	(4)	13	(4)	349	(2.2)
	N	261	(83)	53	(17)	12	(4)	0	(0)	101	(32)	1	(0)	25	(8)	11	(4)	314	(2.0)
	O	426	(67)	139	(22)	3	(0)	1	(0)	311	(49)	0	(0)	1	(0)	22	(3)	638	(4.1)
	P	844	(79)	83	(8)	22	(2)	5	(0)	405	(38)	0	(0)	22	(2)	26	(2)	1,067	(6.8)
	Q	245	(40)	100	(17)	11	(2)	0	(0)	85	(14)	0	(0)	21	(3)	10	(2)	606	(3.9)
	R	582	(80)	103	(14)	15	(2)	3	(0)	230	(32)	1	(0)	25	(3)	24	(3)	725	(4.7)
	S	77	(41)	37	(19)	3	(2)	0	(0)	19	(10)	0	(0)	6	(3)	0	(0)	190	(1.2)
	T	167	(43)	85	(22)	1	(0)	0	(0)	44	(11)	0	(0)	12	(3)	6	(2)	385	(2.5)
	U	292	(80)	77	(21)	4	(1)	0	(0)	92	(25)	0	(0)	1	(0)	11	(3)	367	(2.4)
	V	969	(84)	352	(31)	4	(0)	0	(0)	617	(54)	0	(0)	47	(4)	56	(5)	1,151	(7.4)
	W	529	(77)	182	(26)	9	(1)	3	(0)	381	(55)	1	(0)	20	(3)	42	(6)	689	(4.4)
	X	516	(71)	97	(13)	14	(2)	48	(7)	257	(36)	0	(0)	0	(0)	32	(4)	723	(4.6)
	Y	222	(52)	51	(12)	19	(4)	0	(0)	62	(15)	0	(0)	10	(2)	6	(1)	424	(2.7)
	Z	46	(13)	64	(18)	8	(2)	2	(1)	5	(1)	1	(0)	0	(0)	2	(1)	359	(2.3)
	ZA	333	(52)	33	(5)	17	(3)	10	(2)	198	(31)	0	(0)	2	(0)	10	(2)	636	(4.1)
2007 Total		10,440	(67.0)	2,133	(13.7)	365	(2.3)	151	###	4,972	(31.9)	33	(0.2)	370	(2.4)	537	(3.4)	15,579	
2008	A	203	(43)	21	(4)	10	(2)	0	(0)	55	(12)	0	(0)	20	(4)	3	(1)	470	(2.9)
	B	27	(10)	24	(8)	7	(2)	0	(0)	4	(1)	0	(0)	0	(0)	0	(0)	284	(1.8)
	C	260	(84)	49	(16)	5	(2)	0	(0)	56	(18)	0	(0)	10	(3)	9	(3)	308	(1.9)
	D	474	(72)	102	(16)	28	(4)	0	(0)	154	(23)	0	(0)	47	(7)	14	(2)	657	(4.1)
	E	1,298	(83)	196	(13)	46	(3)	36	(2)	712	(45)	7	(0)	32	(2)	62	(4)	1,566	(9.7)
	F	937	(81)	32	(3)	24	(2)	2	(0)	352	(30)	0	(0)	0	(0)	48	(4)	1,156	(7.2)
	G	24	(77)	3	(10)	0	(0)	0	(0)	7	(23)	0	(0)	3	(10)	0	(0)	31	(0.2)
	H	83	(22)	10	(3)	0	(0)	6	(2)	22	(6)	0	(0)	4	(1)	8	(2)	382	(2.4)
	I	596	(72)	83	(10)	19	(2)	1	(0)	357	(43)	1	(0)	21	(3)	50	(6)	827	(5.1)
	J	22	(17)	26	(20)	1	(1)	0	(0)	3	(2)	0	(0)	0	(0)	0	(0)	129	(0.8)
	K	595	(65)	119	(13)	32	(3)	22	(2)	304	(33)	9	(1)	21	(2)	56	(6)	922	(5.7)
	L	161	(50)	96	(30)	3	(1)	0	(0)	62	(19)	0	(0)	1	(0)	1	(0)	319	(2.0)
	M	188	(57)	43	(13)	12	(4)	0	(0)	58	(18)	0	(0)	17	(5)	18	(5)	328	(2.0)
	N	255	(85)	46	(15)	8	(3)	0	(0)	67	(22)	2	(1)	11	(4)	12	(4)	300	(1.9)
	O	447	(73)	113	(19)	0	(0)	5	(1)	341	(56)	1	(0)	0	(0)	18	(3)	610	(3.8)
	P	868	(78)	63	(6)	18	(2)	4	(0)	419	(38)	1	(0)	25	(2)	22	(2)	1,112	(6.9)
	Q	282	(49)	80	(14)	10	(2)	0	(0)	78	(14)	0	(0)	23	(4)	3	(1)	571	(3.5)
	R	542	(79)	128	(19)	3	(0)	2	(0)	221	(32)	0	(0)	28	(4)	16	(2)	684	(4.3)
	S	72	(37)	27	(14)	4	(2)	0	(0)	14	(7)	0	(0)	1	(1)	0	(0)	196	(1.2)
	T	215	(45)	36	(8)	1	(0)	0	(0)	43	(9)	0	(0)	14	(3)	6	(1)	476	(3.0)
	U	231	(77)	68	(23)	0	(0)	0	(0)	106	(35)	0	(0)	1	(0)	15	(5)	301	(1.9)
	V	941	(85)	309	(28)	7	(1)	5	(0)	599	(54)	0	(0)	42	(4)	40	(4)	1,101	(6.8)
	W	533	(73)	206	(28)	10	(1)	1	(0)	363	(50)	0	(0)	17	(2)	50	(7)	731	(4.5)
	X	476	(69)	66	(10)	9	(1)	50	(7)	207	(30)	0	(0)	0	(0)	21	(3)	692	(4.3)
	Y	232	(51)	67	(15)	5	(1)	0	(0)	47	(10)	0	(0)	7	(2)	1	(0)	453	(2.8)
	Z	68	(17)	79															

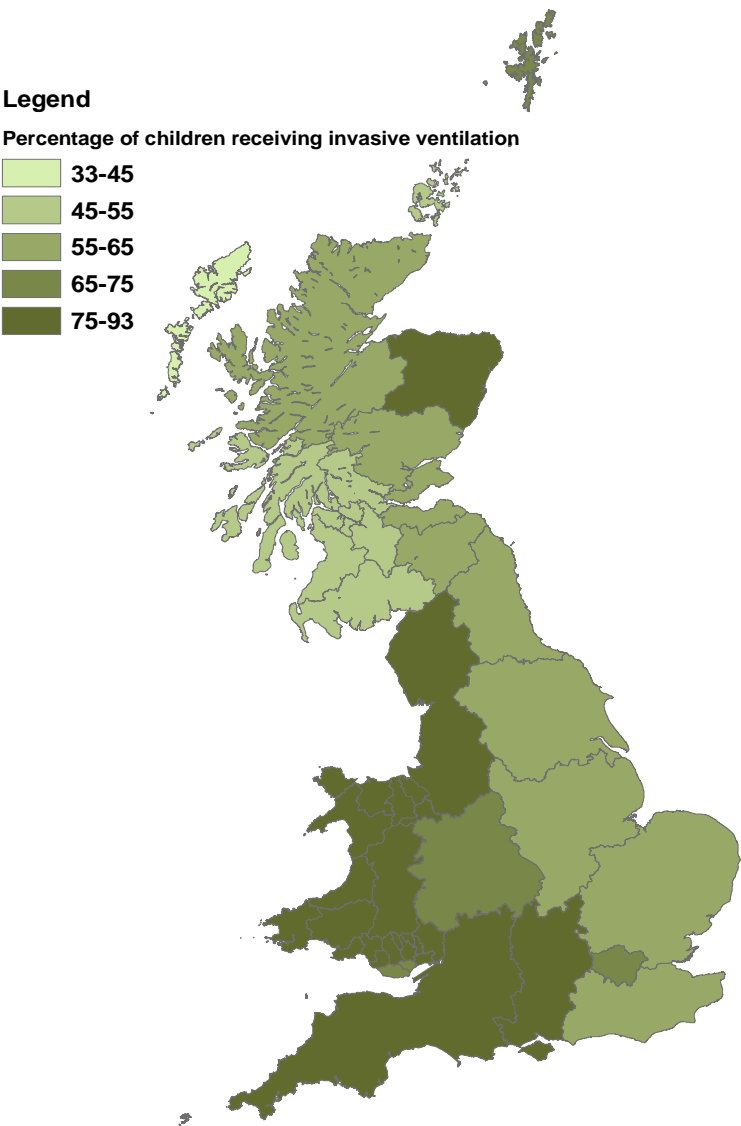
**Table 30 Admissions by ventilation status and age, 2006 - 2008**

Ventilation Status	Age Group (Years)								Total	
	<1		1-4		5-10		11-15			
	n	%	n	%	n	%	n	%	n	%
Invasive only	13,459	(50)	7,170	(27)	3,295	(12)	3,046	(11)	26,970	(58.6)
Non-invasive only	1,046	(53)	372	(19)	280	(14)	281	(14)	1,979	(4.3)
Both	2,544	(64)	695	(17)	369	(9)	368	(9)	3,976	(8.6)
Neither	4,541	(35)	3,590	(28)	2,257	(18)	2,474	(19)	12,863	(28.0)
Unknown	89	(43)	57	(27)	31	(15)	30	(14)	208	(0.5)
Total	21,679	(47.1)	11,884	(25.8)	6,232	(13.5)	6,199	(13.5)	45,996	

Table 31 Admissions by ventilation status by NHS trust, 2006 - 2008

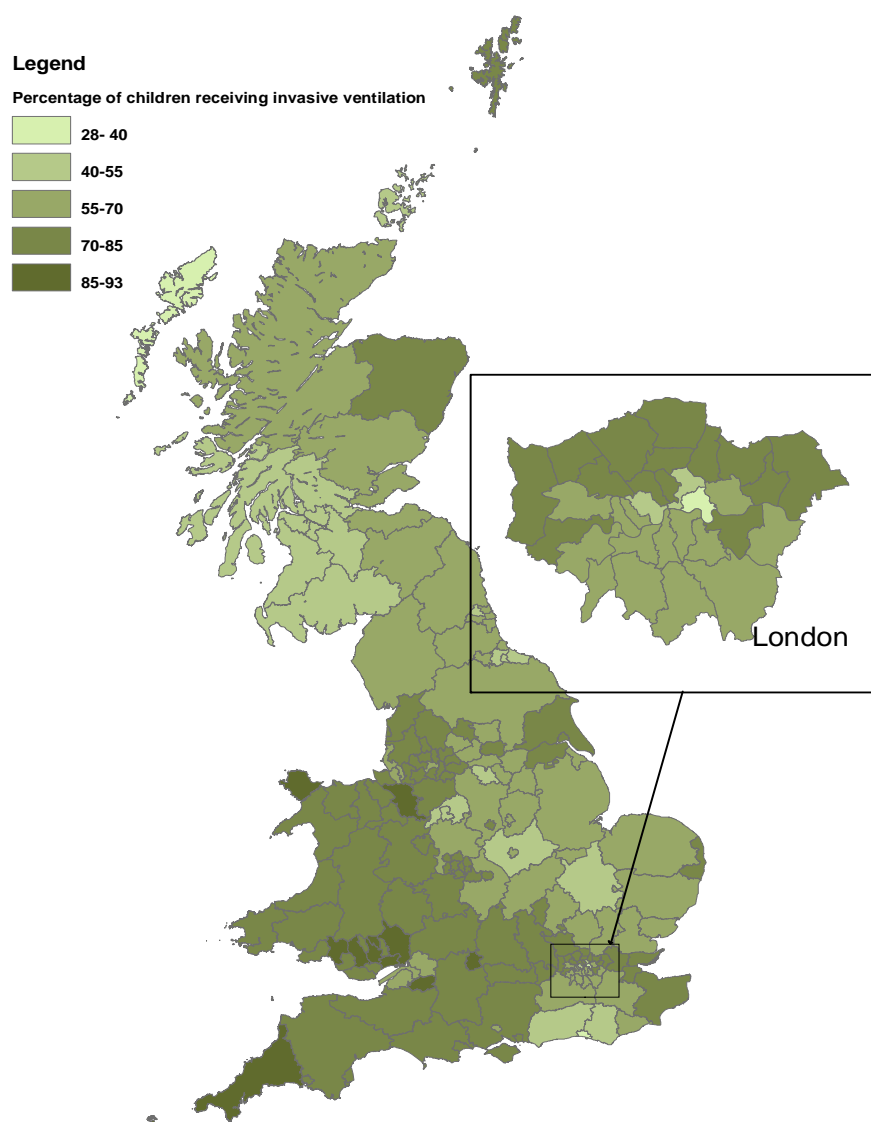
Table 3: Admissions by Ventilation status by NHS trust, 2006 - 2008													
Year	NHS Trust	Ventilation Status										Total	
		Invasive only		Non-invasive only		Both		Neither		Unknown			
		n	%	n	%	n	%	n	%	n	%	n	%
2006	A	163	(36)	17	(4)	17	(4)	252	(56)	0	(0)	449	(3.1)
	B	8	(4)	29	(13)	6	(3)	184	(81)	0	(0)	227	(1.6)
	C	210	(70)	13	(4)	21	(7)	53	(18)	4	(1)	301	(2.1)
	D	389	(68)	25	(4)	57	(10)	100	(18)	0	(0)	571	(4.0)
	E	1,290	(81)	34	(2)	113	(7)	162	(10)	0	(0)	1,599	(11.2)
	F	853	(78)	1	(0)	5	(0)	228	(21)	0	(0)	1,087	(7.6)
	G	30	(83)	0	(0)	4	(11)	2	(6)	0	(0)	36	(0.3)
	H	208	(66)	7	(2)	22	(7)	70	(22)	8	(3)	315	(2.2)
	I	537	(59)	24	(3)	51	(6)	297	(33)	0	(0)	909	(6.3)
	J	22	(30)	4	(5)	3	(4)	45	(61)	0	(0)	74	(0.5)
	K	515	(57)	20	(2)	47	(5)	324	(36)	1	(0)	907	(6.3)
	L	135	(45)	35	(12)	36	(12)	93	(31)	0	(0)	299	(2.1)
	M	210	(52)	18	(4)	26	(6)	149	(37)	1	(0)	404	(2.8)
	N	191	(69)	7	(3)	41	(15)	36	(13)	0	(0)	275	(1.9)
	O	363	(55)	36	(5)	110	(17)	148	(23)	0	(0)	657	(4.6)
	P	834	(76)	25	(2)	33	(3)	209	(19)	1	(0)	1,102	(7.7)
	Q	180	(36)	33	(7)	34	(7)	255	(51)	1	(0)	503	(3.5)
	R	462	(70)	23	(4)	57	(9)	114	(17)	0	(0)	656	(4.6)
	S	65	(35)	19	(10)	11	(6)	93	(49)	0	(0)	188	(1.3)
	T	126	(29)	67	(15)	53	(12)	196	(44)	0	(0)	442	(3.1)
	U	249	(68)	16	(4)	24	(7)	78	(21)	0	(0)	367	(2.6)
	V	713	(68)	59	(6)	161	(15)	113	(11)	0	(0)	1,046	(7.3)
	W	382	(60)	24	(4)	141	(22)	95	(15)	0	(0)	642	(4.5)
	X	393	(45)	13	(1)	37	(4)	312	(36)	121	(14)	876	(6.1)
	Y	194	(49)	7	(2)	25	(6)	170	(43)	0	(0)	396	(2.8)
2006 Total		8,722	(60.9)	556	(3.9)	1,135	(7.9)	3,778	(26.4)	137	(1.0)	14,328	
2007	A	180	(35)	10	(2)	22	(4)	300	(59)	0	(0)	512	(3.3)
	B	9	(5)	26	(15)	8	(5)	128	(75)	0	(0)	171	(1.1)
	C	234	(74)	5	(2)	27	(9)	51	(16)	0	(0)	317	(2.0)
	D	428	(67)	35	(5)	60	(9)	116	(18)	0	(0)	639	(4.1)
	E	1,153	(78)	40	(3)	87	(6)	193	(13)	0	(0)	1,473	(9.5)
	F	935	(78)	3	(0)	14	(1)	245	(20)	0	(0)	1,197	(7.7)
	G	38	(84)	1	(2)	4	(9)	2	(4)	0	(0)	45	(0.3)
	H	129	(44)	5	(2)	6	(2)	142	(49)	8	(3)	290	(1.9)
	I	560	(62)	18	(2)	49	(5)	274	(30)	0	(0)	901	(5.8)
	J	18	(15)	11	(9)	4	(3)	86	(72)	0	(0)	119	(0.8)
	K	531	(57)	28	(3)	69	(7)	305	(33)	4	(0)	937	(6.0)
	L	141	(40)	59	(17)	36	(10)	119	(34)	0	(0)	355	(2.3)
	M	157	(45)	18	(5)	32	(9)	142	(41)	0	(0)	349	(2.2)
	N	214	(68)	6	(2)	47	(15)	47	(15)	0	(0)	314	(2.0)
	O	331	(52)	44	(7)	95	(15)	168	(26)	0	(0)	638	(4.1)
	P	789	(74)	28	(3)	55	(5)	194	(18)	1	(0)	1,067	(6.8)
	Q	191	(32)	46	(8)	54	(9)	315	(52)	0	(0)	606	(3.9)
	R	490	(68)	11	(2)	92	(13)	132	(18)	0	(0)	725	(4.7)
	S	64	(34)	24	(13)	13	(7)	89	(47)	0	(0)	190	(1.2)
	T	121	(31)	39	(10)	46	(12)	179	(46)	0	(0)	385	(2.5)
	U	234	(64)	19	(5)	58	(16)	56	(15)	0	(0)	367	(2.4)
	V	698	(61)	81	(7)	271	(24)	101	(9)	0	(0)	1,151	(7.4)
	W	380	(55)	33	(5)	149	(22)	127	(18)	0	(0)	689	(4.4)
	X	445	(62)	26	(4)	71	(10)	172	(24)	9	(1)	723	(4.6)
	Y	186	(44)	15	(4)	36	(8)	187	(44)	0	(0)	424	(2.7)
	Z	37	(10)	55	(15)	9	(3)	252	(70)	6	(2)	359	(2.3)
	ZA	314	(49)	14	(2)	19	(3)	289	(45)	0	(0)	636	(4.1)
2007 Total		9,007	(57.8)	700	(4.5)	1,433	(9.2)	4,411	(28.3)	28	(0.2)	15,579	
2008	A	189	(40)	7	(1)	14	(3)	260	(55)	0	(0)	470	(2.9)
	B	25	(9)	22	(8)	2	(1)	235	(83)	0	(0)	284	(1.8)
	C	220	(71)	9	(3)	40	(13)	38	(12)	1	(0)	308	(1.9)
	D	404	(61)	32	(5)	70	(11)	150	(23)	1	(0)	657	(4.1)
	E	1,145	(73)	43	(3)	153	(10)	225	(14)	0	(0)	1,566	(9.7)
	F	913	(79)	8	(1)	24	(2)	211	(18)	0	(0)	1,156	(7.2)
	G	21	(68)	0	(0)	3	(10)	7	(23)	0	(0)	31	(0.2)
	H	78	(20)	5	(1)	5	(1)	294	(77)	0	(0)	382	(2.4)
	I	544	(66)	31	(4)	52	(6)	186	(22)	14	(2)	827	(5.1)
	J	14	(11)	18	(14)	8	(6)	89	(69)	0	(0)	129	(0.8)
	K	511	(55)	35	(4)	84	(9)	290	(31)	2	(0)	922	(5.7)
	L	124	(39)	59	(18)	37	(12)	98	(31)	1	(0)	319	(2.0)
	M	161	(49)	16	(5)	27	(8)	117	(36)	7	(2)	328	(2.0)
	N	218	(73)	9	(3)	37	(12)	36	(12)	0	(0)	300	(1.9)
	O	369	(60)	35	(6)	78	(13)	128	(21)	0	(0)	610	(3.8)
	P	823	(74)	18	(2)	45	(4)	226	(20)	0	(0)	1,112	(6.9)
	Q	235	(41)	33	(6)	47	(8)	250	(44)	6	(1)	571	(3.5)
	R	446	(65)	32	(5)	96	(14)	109	(16)	1	(0)	684	(4.3)
	S	66	(34)	21	(11)	6	(3)	103	(53)	0	(0)	196	(1.2)
	T	198	(42)	19	(4)	17	(4)	242	(51)	0	(0)	476	(3.0)
	U	185	(61)	22	(7)	46	(15)	48	(16)	0	(0)	301	(1.9)
	V	696	(63)	64	(6)	245	(22)	96	(9)	0	(0)	1,101	(6.8)
	W	374	(51)	47	(6)	159	(22)	151	(21)	0	(0)	731	(4.5)
	X	432	(62)	22	(3)	44	(6)	185	(27)	9	(1)	692	(4.3)
	Y	194	(43)	29	(6)	38	(8)	192	(42)	0	(0)	453	(2.8)
	Z	61	(16)	72	(18)	7	(2)	252	(64)	0	(0)	392	(2.4)
	ZA	503	(54)	11	(1)	11	(1)	398	(43)	1	(0)	924	(5.7)
	ZB	92	(55)	4	(2)	13	(8)	58	(35)	0	(0)	167	(1.0)
2008 Total		9,241	(57.4)	723	(4.5)	1,408	(8.8)	4,674	(29.1)	43	(0.3)	16,089	
Grand Total		26,970	(58.6)	1,979	(4.3)	3,976	(8.6)	12,863	(28.0)	208	(0.5)	45,996	

Figure 31a Percentage of children receiving invasive ventilation  
by SHA / HB in Great Britain, 2006-08



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Figure 31b Percentage of children receiving invasive ventilation  
by PCO in Great Britain, 2006-08



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Table 32 Bed days by age and sex, 2006 - 2008

Age (Years)	Sex								Total	
	Male		Female		Ambiguous		Unknown			
	n	%	n	%	n	%	n	%	n	%
0	87,208	(58)	62,294	(42)	38	(0)	17	(0)	149,557	(55.9)
1	15,621	(56)	12,484	(44)	0	(0)	1	(0)	28,106	(10.5)
2	6,998	(49)	6,169	(44)	0	(0)	979	(7)	14,146	(5.3)
3	5,214	(55)	4,246	(45)	5	(0)	0	(0)	9,467	(3.5)
4	3,902	(53)	3,414	(47)	0	(0)	2	(0)	7,318	(2.7)
5	3,475	(58)	2,538	(42)	0	(0)	0	(0)	6,013	(2.2)
6	2,593	(54)	2,223	(46)	6	(0)	0	(0)	4,822	(1.8)
7	2,593	(49)	2,670	(51)	0	(0)	0	(0)	5,263	(2.0)
8	2,272	(56)	1,776	(44)	7	(0)	0	(0)	4,055	(1.5)
9	2,225	(53)	1,962	(47)	0	(0)	0	(0)	4,187	(1.6)
10	2,657	(54)	2,260	(46)	0	(0)	0	(0)	4,917	(1.8)
11	2,890	(59)	2,039	(41)	3	(0)	0	(0)	4,932	(1.8)
12	2,521	(51)	2,414	(49)	0	(0)	0	(0)	4,935	(1.8)
13	3,410	(53)	2,976	(47)	0	(0)	0	(0)	6,386	(2.4)
14	3,261	(51)	3,085	(49)	0	(0)	0	(0)	6,346	(2.4)
15	3,351	(54)	2,891	(46)	0	(0)	8	(0)	6,250	(2.3)
Unknown	373	(54)	0	(0)	0	(0)	313	(46)	686	(0.3)
Total	150,564	(56.3)	115,441	(43.2)	59	(0.0)	1,320	(0.5)	267,386	

Figure 32 Bed days by age and sex, 2006 - 2008

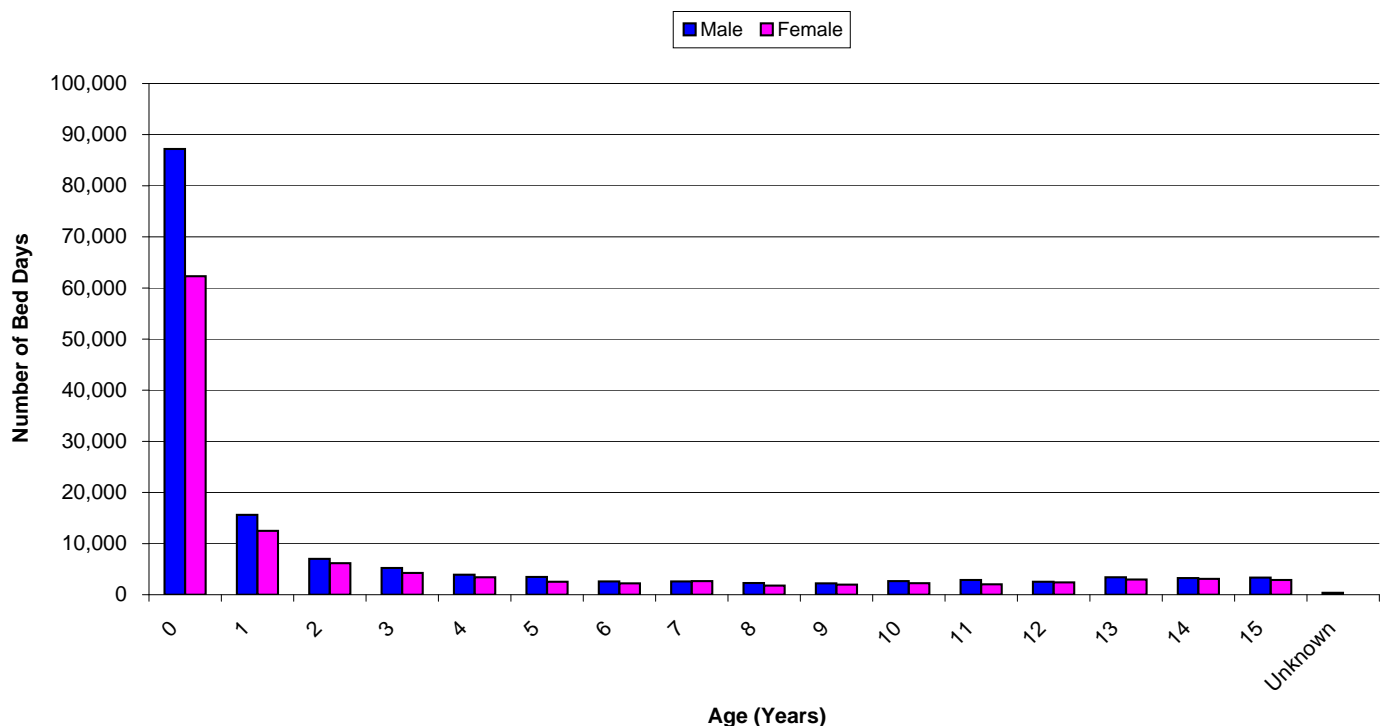


Table 33 Bed days by age by NHS trust, 2006 - 2008

		Age Group (Years)									
Year	NHS Trust	<1		1-4		5-10		11-15		Total	
		n	%	n	%	n	%	n	%	n	%
2006	A	732	(35)	436	(21)	647	(31)	289	(14)	2,104	(2.6)
	B	211	(37)	97	(17)	69	(12)	186	(33)	563	(0.7)
	C	545	(39)	350	(25)	237	(17)	262	(19)	1,394	(1.7)
	D	2,195	(52)	975	(23)	524	(12)	548	(13)	4,242	(5.2)
	E	7,014	(66)	1,820	(17)	954	(9)	871	(8)	10,659	(13.0)
	F	3,102	(61)	1,155	(23)	343	(7)	512	(10)	5,112	(6.2)
	G	37	(31)	32	(27)	26	(22)	24	(20)	119	(0.1)
	H	750	(44)	572	(34)	207	(12)	168	(10)	1,697	(2.1)
	I	2,589	(53)	1,435	(29)	458	(9)	393	(8)	4,875	(6.0)
	J	101	(64)	37	(23)	9	(6)	11	(7)	158	(0.2)
	K	3,489	(66)	850	(16)	429	(8)	481	(9)	5,249	(6.4)
	L	709	(39)	397	(22)	385	(21)	337	(18)	1,828	(2.2)
	M	530	(34)	491	(32)	245	(16)	285	(18)	1,551	(1.9)
	N	987	(57)	465	(27)	147	(8)	133	(8)	1,732	(2.1)
	O	2,754	(66)	799	(19)	302	(7)	142	(3)	4,176	(5.1)
	P	3,904	(63)	1,323	(21)	560	(9)	424	(7)	6,211	(7.6)
	Q	2,341	(58)	703	(17)	564	(14)	433	(11)	4,041	(4.9)
	R	1,961	(63)	462	(15)	264	(8)	437	(14)	3,124	(3.8)
	S	307	(33)	171	(19)	330	(36)	115	(12)	923	(1.1)
	T	696	(35)	569	(28)	400	(20)	352	(17)	2,017	(2.5)
	U	1,096	(47)	696	(30)	354	(15)	175	(8)	2,321	(2.8)
	V	3,813	(60)	1,416	(22)	477	(8)	647	(10)	6,353	(7.8)
	W	2,345	(54)	1,005	(23)	571	(13)	450	(10)	4,371	(5.3)
	X	2,984	(63)	1,052	(22)	376	(8)	308	(7)	4,720	(5.8)
	Y	973	(42)	561	(24)	354	(15)	447	(19)	2,335	(2.9)
2006 Total		46,165	(56.4)	17,869	(21.8)	9,232	(11.3)	8,430	(10.3)	81,875	
2007	A	994	(43)	489	(21)	271	(12)	569	(24)	2,323	(2.6)
	B	256	(51)	99	(20)	72	(14)	73	(15)	500	(0.6)
	C	876	(54)	382	(23)	168	(10)	203	(12)	1,629	(1.8)
	D	1,847	(45)	1,250	(30)	493	(12)	541	(13)	4,131	(4.6)
	E	6,134	(63)	2,001	(20)	820	(8)	837	(9)	9,792	(11.0)
	F	3,693	(63)	1,233	(21)	403	(7)	558	(9)	5,887	(6.6)
	G	34	(22)	73	(46)	25	(16)	25	(16)	157	(0.2)
	H	635	(37)	469	(28)	352	(21)	248	(15)	1,704	(1.9)
	I	2,745	(55)	1,192	(24)	462	(9)	587	(12)	4,986	(5.6)
	J	123	(47)	67	(26)	22	(8)	48	(18)	260	(0.3)
	K	3,833	(65)	1,138	(19)	404	(7)	519	(9)	5,894	(6.6)
	L	659	(46)	342	(24)	231	(16)	216	(15)	1,448	(1.6)
	M	1,175	(49)	355	(15)	234	(10)	632	(26)	2,396	(2.7)
	N	938	(52)	425	(24)	163	(9)	262	(15)	1,788	(2.0)
	O	3,196	(73)	618	(14)	197	(4)	197	(4)	4,402	(4.9)
	P	3,579	(62)	1,226	(21)	452	(8)	481	(8)	5,738	(6.4)
	Q	2,139	(53)	625	(16)	682	(17)	554	(14)	4,000	(4.5)
	R	1,714	(57)	592	(20)	328	(11)	374	(12)	3,008	(3.4)
	S	286	(27)	193	(18)	312	(29)	279	(26)	1,070	(1.2)
	T	696	(33)	729	(34)	307	(14)	403	(19)	2,135	(2.4)
	U	1,038	(40)	929	(36)	358	(14)	270	(10)	2,595	(2.9)
	V	3,429	(51)	1,866	(28)	804	(12)	681	(10)	6,780	(7.6)
	W	2,794	(60)	809	(17)	523	(11)	537	(12)	4,663	(5.2)
	X	2,914	(61)	1,131	(24)	307	(6)	427	(9)	4,779	(5.3)
	Y	1,149	(49)	405	(17)	255	(11)	526	(23)	2,335	(2.6)
Z	708	(48)	397	(27)	188	(13)	169	(12)	1,462	(1.6)	
ZA	1,589	(46)	1,129	(32)	470	(13)	303	(9)	3,491	(3.9)	
2007 Total		49,173	(55.0)	20,164	(22.6)	9,303	(10.4)	10,519	(11.8)	89,353	
2008	A	844	(34)	929	(37)	333	(13)	391	(16)	2,497	(2.6)
	B	387	(31)	422	(34)	167	(13)	264	(21)	1,240	(1.3)
	C	651	(45)	360	(25)	192	(13)	255	(17)	1,458	(1.5)
	D	2,267	(49)	924	(20)	498	(11)	648	(14)	4,650	(4.8)
	E	7,144	(68)	1,796	(17)	793	(8)	819	(8)	10,552	(11.0)
	F	3,681	(63)	1,339	(23)	399	(7)	425	(7)	5,844	(6.1)
	G	33	(49)	6	(9)	7	(10)	22	(32)	68	-
	H	694	(38)	598	(33)	305	(17)	211	(12)	1,808	(1.9)
	I	2,786	(50)	1,505	(27)	557	(10)	675	(12)	5,523	(5.7)
	J	130	(51)	47	(19)	45	(18)	32	(13)	254	(0.3)
	K	3,612	(64)	1,117	(20)	481	(9)	433	(8)	5,643	(5.9)
	L	731	(47)	331	(22)	247	(16)	230	(15)	1,539	(1.6)
	M	963	(39)	462	(19)	612	(25)	460	(18)	2,497	(2.6)
	N	1,240	(65)	438	(23)	122	(6)	106	(6)	1,906	(2.0)
	O	3,309	(81)	531	(13)	146	(4)	97	(2)	4,083	(4.2)
	P	3,013	(53)	1,481	(26)	463	(8)	781	(14)	5,738	(6.0)
	Q	1,375	(47)	676	(23)	492	(17)	386	(13)	2,929	(3.0)
	R	1,905	(61)	542	(17)	297	(10)	354	(11)	3,098	(3.2)
	S	414	(42)	138	(14)	255	(26)	175	(18)	982	(1.0)
	T	649	(31)	768	(37)	375	(18)	312	(15)	2,104	(2.2)
	U	979	(44)	737	(33)	393	(18)	125	(6)	2,234	(2.3)
	V	4,522	(62)	1,408	(19)	640	(9)	724	(10)	7,294	(7.6)
	W	2,189	(50)	1,174	(27)	578	(13)	439	(10)	4,380	(4.6)
	X	4,399	(66)	1,056	(16)	881	(13)	292	(4)	6,628	(6.9)
	Y	934	(40)	525	(23)	360	(15)	512	(22)	2,331	(2.4)
	Z	723	(41)	374	(21)	473	(27)	185	(11)	1,755	(1.8)
	ZA	3,984	(64)	1,184	(19)	521	(8)	502	(8)	6,191	(6.4)
	ZB	661	(71)	136	(15)	90	(10)	45	(5)	932	(1.0)
2008 Total		54,219	(56.4)	21,004	(21.8)	10,722	(11.2)	9,900	(10.3)	96,158	
Grand Total		149,557	(55.9)	59,037	(22.1)	29,257	(10.9)	28,849	(10.8)	267,386	



Table 34 Bed census by month, 2006 - 2008

Year	Month	Number in PICU	
		Median	IQR
2006	1	200	194-208
	2	208	197-211
	3	203	195-207
	4	184	173-191
	5	188	179-198
	6	177	173-185
	7	179	172-186
	8	176	167-182
	9	174	168-182
	10	178	172-186
	11	200	187-211
	12	212	207-218
2007	1	215	206-220
	2	220	209-227.5
	3	203	195-208
	4	203	195-212
	5	198	187-210
	6	202	190-211
	7	186	178-197
	8	187	174-195
	9	182	174-194
	10	218	211-227
	11	232	224-238
	12	233	226-242
2008	1	224	215-236
	2	202	192-209
	3	204	194-213
	4	214	207-224
	5	222	209-227
	6	219	212-225
	7	220	215-228
	8	202	194-208
	9	216	202-227
	10	233	223-241
	11	267	254-272
	12	270	259-278

Figure 34 Bed census by month, 2006 - 2008

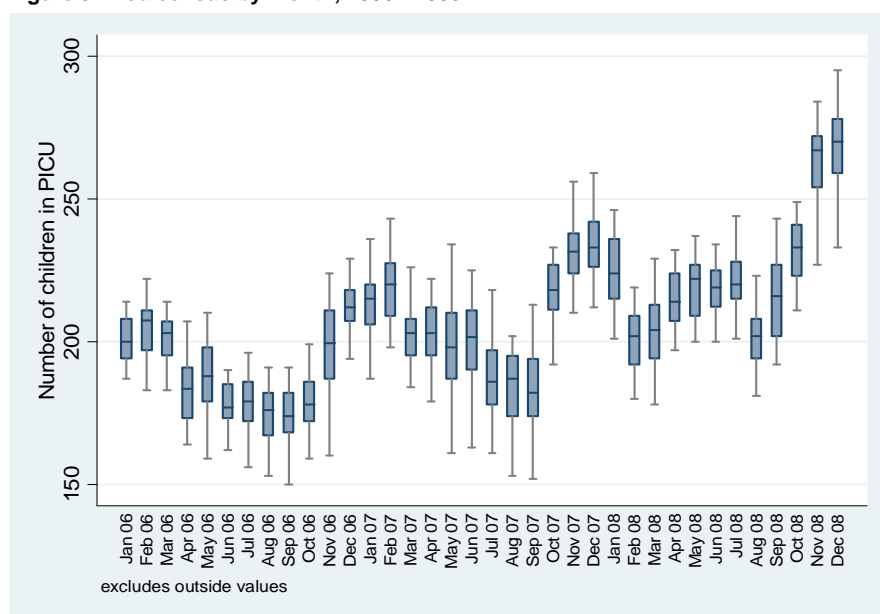


Table 35 Bed census by NHS trust, 2006 - 2008

Year	NHS Trust	Number in PICU	
		Median	IQR
2006	A	5	4-5
	B	1	0-2
	C	3	2-4
	D	11	9-12
	E	25	23-27
	F	11	9-13
	G	0	0-0
	H	4	3-5
	I	11	9-13
	J	0	0-0
	K	12	11-14
	L	4	3-5
	M	4	3-5
	N	4	3-5
	O	10	8-11
	P	15	12-17
	Q	10	9-11
	R	7	6-8
	S	2	1-3
	T	5	3-6
	U	5	4-7
	V	15	14-16
	W	11	8-13
	X	11	10-13
	Y	6	4-7
2007	A	5	4-6
	B	1	0-2
	C	4	2-5
	D	10	8-12
	E	23	21-25
	F	13	11-15
	G	0	0-1
	H	4	3-5
	I	11	10-13
	J	0	0-1
	K	14	12-16
	L	3	2-4
	M	6	5-6
	N	4	3-5
	O	10	9-12
	P	13	11-15
	Q	10	8-11
	R	6	5-8
	S	2	2-3
	T	5	4-6
	U	6	5-7
	V	16	14-17
	W	11	9-13
	X	12	11-14
	Y	6	4-7
	Z	3	2-4
	ZA	9	0-13
2008	A	6	5-7
	B	2	1-4
	C	3	2-4
	D	11	10-13
	E	25	23-27
	F	13	11-15
	G	0	0-0
	H	4	2-5
	I	13	11-15
	J	0	0-1
	K	13	12-15
	L	3	3-5
	M	6	6-7
	N	4	4-5
	O	9	8-11
	P	13	11-16
	Q	7	5-8
	R	7	5-9
	S	2	1-3
	T	5	4-6
	U	5	4-7
	V	17	16-18
	W	10	8-12
	X	16	14-21
	Y	5	4-7
	Z	4	3-5
	ZA	14	13-16
	ZB	4	3-5

Data for Trust ZB incomplete

Figure 35a Bed census by NHS trust, 2006

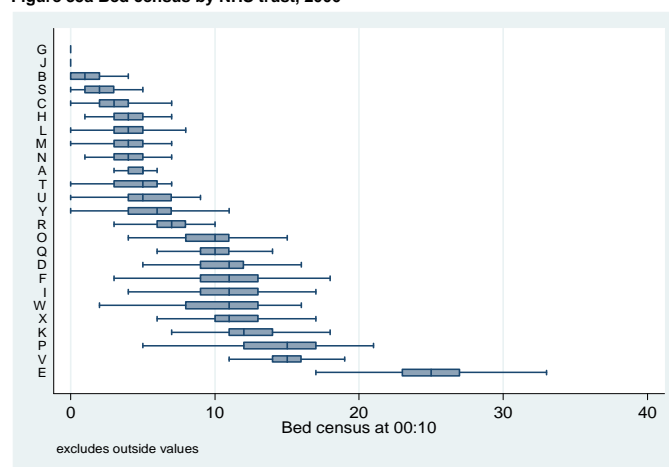


Figure 35b Bed census by NHS trust, 2007

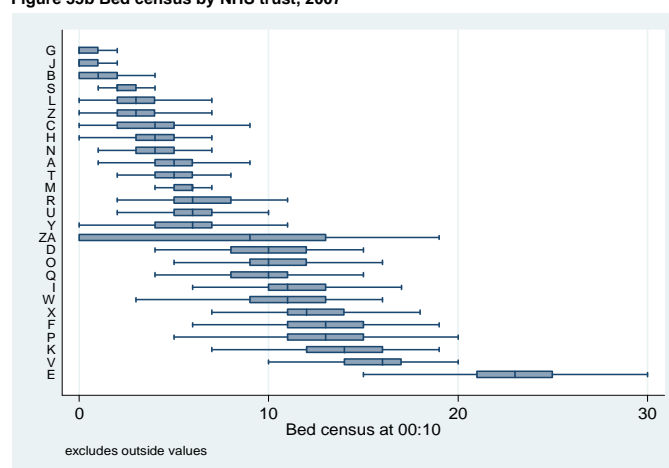
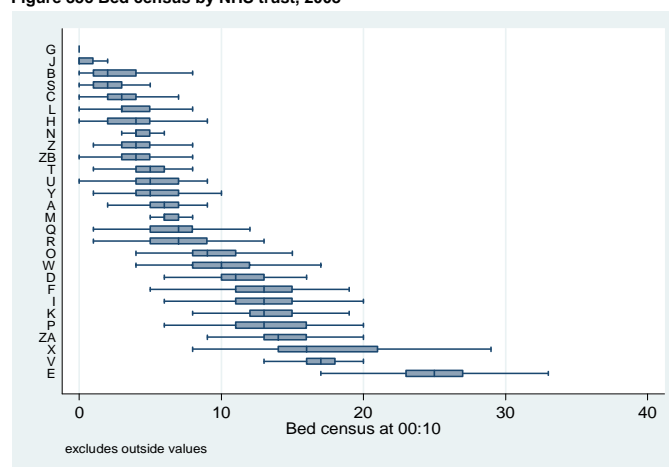


Figure 35c Bed census by NHS trust, 2008



**Table 36 Bed activity by month, 2006 - 2008**

Year	Month	Bed Activity (Days)	
		Median	IQR
2006	1	245	233-254
	2	254	234.5-263
	3	242	230-256
	4	225	210-238
	5	227	215-244
	6	219	209-226
	7	219	203-228
	8	214	199-225
	9	213	200-220
	10	220	209-232
	11	239	230-257
	12	254	239-267
2007	1	256	241-267
	2	263	250.5-274
	3	248	228-258
	4	248	231-265
	5	249	222-259
	6	247	221-260
	7	233	221-247
	8	229	211-243
	9	226	204-237
	10	271	248-275
	11	284	270-293
	12	278	264-291
2008	1	270	260-287
	2	243	232-258
	3	249	231-260
	4	261	248-271
	5	267	252-275
	6	268	252-274
	7	267	255-276
	8	246	234-259
	9	261	245-276
	10	281	262-292
	11	318	304-325
	12	318	300-333

**Figure 36 Bed activity by month, 2006 - 2008**

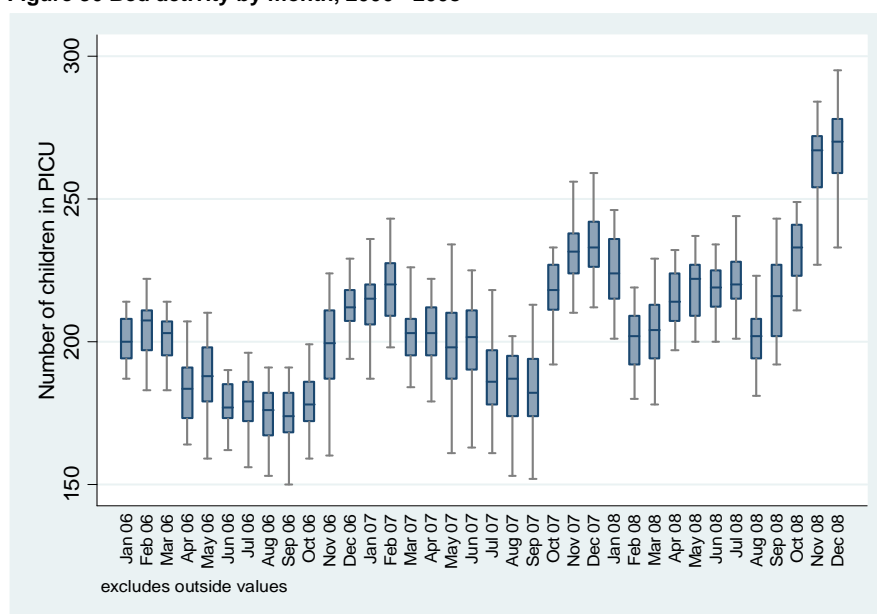


Table 37 Bed activity by NHS trust, 2006 - 2008

Year	NHS Trust	Bed Activity (Days)	
		Median	IQR
2006	A	6	5-7
	B	1	1-2
	C	4	3-5
	D	12	10-14
	E	29	28-32
	F	14	12-17
	G	0	0-1
	H	5	4-6
	I	14	11-16
	J	0	0-1
	K	15	13-17
	L	5	4-6
	M	5	4-6
	N	5	4-6
	O	11	10-13
	P	18	15-20
	Q	12	10-13
	R	9	8-10
	S	3	2-3
	T	6	5-7
	U	7	5-8
	V	18	16-19
	W	12	10-15
	X	13	12-15
	Y	7	5-9
2007	A	6	5-8
	B	1	0-2
	C	4	3-6
	D	12	10-14
	E	27	25-29
	F	16	14-19
	G	0	0-1
	H	5	4-6
	I	14	12-16
	J	1	0-1
	K	17	15-19
	L	4	3-6
	M	7	6-8
	N	5	4-6
	O	12	11-13
	P	16	14-18
	Q	11	10-13
	R	9	7-10
	S	3	2-4
	T	6	5-7
	U	7	6-8
	V	19	17-20
	W	13	11-15
	X	14	13-16
	Y	7	5-8
	Z	4	3-6
	ZA	11	3-15
2008	A	7	6-8
	B	3	2-5
	C	4	3-5
	D	13	12-14
	E	29	26-31
	F	16	14-18
	G	0	0-0
	H	5	3-7
	I	15	13-17
	J	1	0-1
	K	16	14-18
	L	4	3-6
	M	7	6-8
	N	5	4-6
	O	11	10-13
	P	16	14-19
	Q	8	6-10
	R	9	7-11
	S	3	2-4
	T	6	5-7
	U	6	5-7
	V	20	19-22
	W	12	10-14
	X	19	16-23
	Y	7	5-8
	Z	5	4-6
	ZA	17	15-19
	ZB	5	4-6

Figure 37a Bed activity by NHS trust, 2006

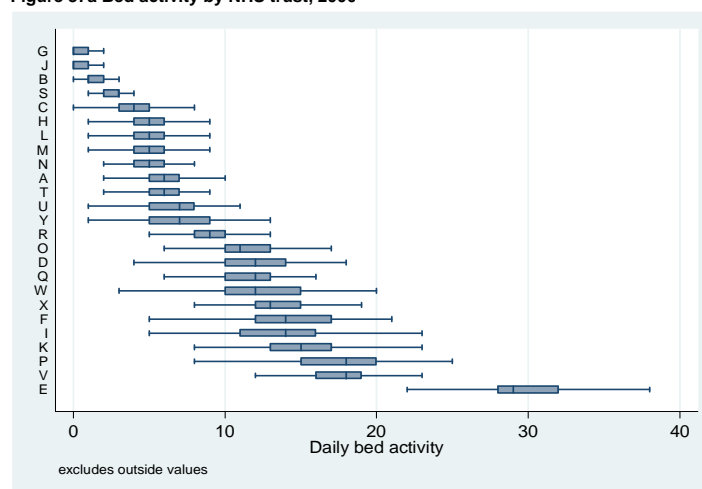


Figure 37b Bed activity by NHS trust, 2007

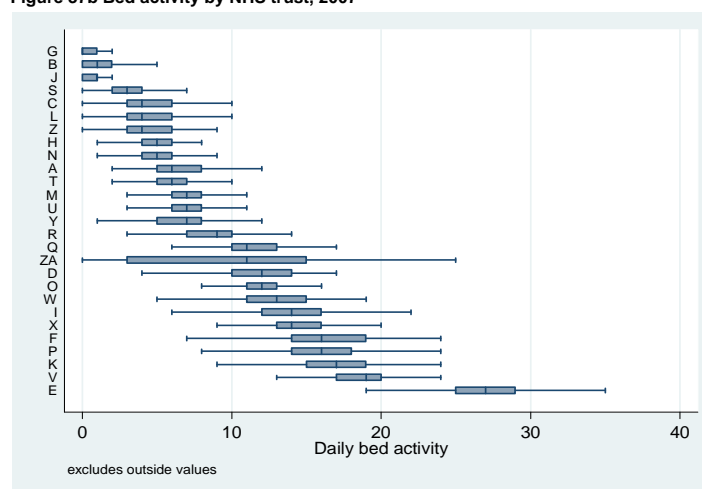


Figure 37c Bed activity by NHS trust, 2008

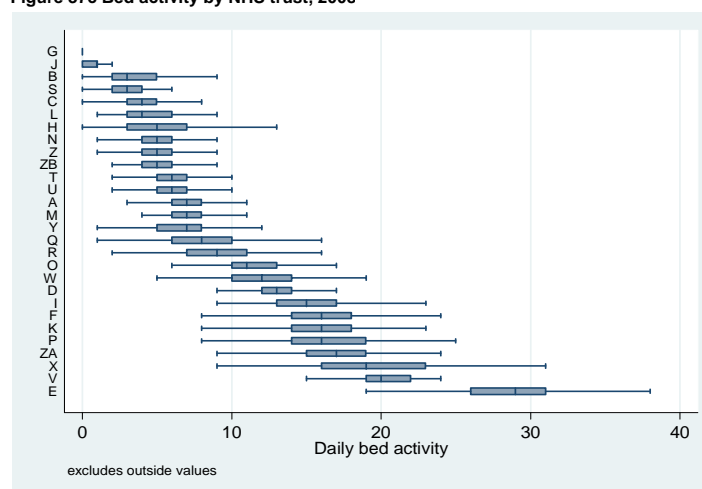


Table 38 Length of stay by age and NHS trust, 2006 - 2008

Year	NHS Trust	Age Group (Years)							
		<1		1-4		5-10		11-15	
		Median	IQR	Median	IQR	Median	IQR	Median	IQR
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
	C	4	2-7	2	2-5	2	2-4	2	2-3
	D	5	2-9	3	2-7	3	2-8	3	2-6
	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
	G	4	1-6	3	1-4	3	2-3	3	2-5
	H	3	2-9	2	2-6	2	2-4	2	2-4
	I	4	2-6	2	2-4	2	2-3	2	2-3
	J	2	1-3	2	1-2	1	1-2	2	2-2
	K	4	2-7	3	2-5	2	2-3	2	2-3
	L	3.5	2-6.5	3	2-6	2	2-3.5	2	2-3
	M	3	2-5	2	2-4	2	2-3	2	2-4
	N	4	2-7	3	2-5.5	2	2-3	2	2-4
	O	4	2-7	3	2-6	2	2-3	2	2-3
	P	3	2-6	2	2-4	2	2-3	2	2-4
	Q	4	2-7	2	2-5	3	2-5	2	2-5
	R	2	2-5	2	2-5	2	2-3	2	2-4
	S	4	2-6	2	2-3	2	1-3	2	2-4
	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
	V	4	2-7	2	2-5	2	2-3	2	2-5
	W	4	3-8	3	2-6	3	2-6	4	2-7
	X	3	1-7	2	1-3	1.5	1-2	2	1-3
	Y	4	2-6.5	3	2-5	3	2-5	2	2-4
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
	C	5	3-8	3	2-6	2.5	2-6	2	2-3
	D	4	2-7	4	2-7	3	2-6	3	2-4
	E	5	3-8	3	2-6	3	2-7	3	2-6
	F	4	3-6	3	2-4	2	2-3	2	2-4
	G	1.5	1-5	4	2-6	2	2-3	2.5	1.5-5
	H	3	2-6	2	2-4	3	2-6	2.5	2-10.5
	I	4	2-7	2	2-4	2	2-3	2	2-4
	J	2	1-2	2	1-2	2	1-2	2	2-2
	K	4	2-8	3	2-6	2	2-4	2	2-4
	L	3	2-5	2	2-5	2	2-3	2	2-3
	M	4	2-6	2	2-4	2	2-4	2	2-4
	N	4	2-9	2	2-4	2	2-4	3	2-7
	O	4	2-8	3	2-4	2	2-3	2	2-3
	P	4	2-7	2	2-5	2	2-5	2	2-5
	Q	4	2-7	2	2-5	2	2-5	2	2-5
	R	3	2-5	2	2-4	2	2-4	2	2-3
	S	3	2-6	2	2-4	3	2-4	2	2-4
	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
	V	4	2-7	3	2-6	2	2-4	3	2-6
	W	4	3-8	3	2-5	3	2-9	5	2-10
	X	4	2-8	2	2-5	2	2-4	2	1-6
	Y	5	3-8	3	2-6	2	2-4	2	2-4
	Z	3	2-5	2	2-3	2	2-3	2	2-3
	ZA	3	2-6	2	2-5	2	2-3	2	2-4
2008	A	3	2-6	2	2-4	2	2-4	2	2-3
	B	2	2-4	2	2-3	4	2-5	2	2-3
	C	4	3-6.5	3	2-5	2	2-4.5	2	2-4
	D	4	2-8	3	2-6	3	2-4	3	2-8
	E	5	3-8	3	2-6	2	2-4	3	2-7
	F	4	3-6	3	2-5	2	2-4	2	2-3
	G	1	1-3	1.5	1-2	1	1-2	2	2-3
	H	3	2-8	2	2-4	2	1-4	2	2-3
	I	4	3-7	3	2-5	2	2-3	2	2-4
	J	2	1-3	2	1-2	2	2-2	2	1-2
	K	4	2-7	3	2-5	2	2-4	2	2-4
	L	4	2-8	2.5	2-5	2	2-4	2	2-3
	M	3	2-7	2	2-5	2	2-5	2	2-4
	N	4	2-8	3	2-5	2	2-4	2	2-3
	O	4	2-8	3	2-4	2	2-3	2	2-3
	P	4	2-6	2	2-5	2	2-4	3	2-5
	Q	3	2-6	2	2-5	3	2-6	2	2-4
	R	3	2-6	2	2-4	2	2-3	2	2-4
	S	4	2-6	2	2-3.5	2	2-4	2	2-3
	T	3	2-5	2	2-5	2	2-4	2	2-3
	U	5	2-8	4	2-7	4	2-9.5	3	2-4
	V	4	2-8	2	2-5	2	2-4.5	2	2-5
	W	4	2-8	3	2-6	2	2-5	3	2-8
	X	4	2-7	2	2-4	2	1-5	2	1-3.5
	Y	4	3-7	2	2-5	3	2-6	2	2-4
	Z	3	2-5	2	2-3	2	2-4	2	2-3
	ZA	4	2-8	2	2-4	2	2-3	2	2-5
	ZB	3	2-9	2	2-4	3	2-3	2	2-3

Table 39 Length of stay by primary diagnostic group and NHS trust, 2006 - 2008

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	1-4	3	2-4	2	1-4	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	2-5	2	1-3	0	0-0
B	2	1.5-2.5	2	2-4	1	1-2	2	2-3	3	2-4	2	1-2	2	2-2	2	1.5-3	2	1-3	1.5	1-3	2	1-4	2	1-2	2	1-2	3	1-5
C	2	2-3	3	2-6	3	2-6	4	2-7	3	2-6	4.5	3-7	1	1-1	2	2-2	2	2-4	2	2-3	5	3-8	2	2-5.5	2	2-4	0	0-0
D	4	2-8	4	2-5.5	4	2-9	3	2-6	2	2-5	6	3-8	6	2-24	3	2-4	2	2-5	3	2-5	5	3-9	3	2-7	2	2-4	0	0-0
E	5	3-9.5	5	3-9	3	2-7	4	2-8	4	2-9	4	2-7	4	2-5	2	2-4	3	2-5.5	3	2-7	5	3-9	4	2-7	3	2-7	6	6-6
F	5	3-7	3.5	2-5	3	2-5	2	2-3	2	1-5	4	2-6	4	3-5	2	2-2	3	2-4	2	2-2	4	3-7	2	1-3	2	2-3	2	2-4
G	0	0-0	0	0-0	1	1-2	0	0-0	0	0-0	3	1-6	0	0-0	0	0-0	2	1-5	1	1-1	3	1.5-5	2	2-2	2.5	2-3	0	0-0
H	2	1-7.5	2	1-2	3.5	2-7	2	2-5	3	2-7	4	2-14	0	0-0	3	2-4	3	2-5	2	2-3	3	2-8	2	2-5	2	2-4	7.5	3-18
I	2	1-4	2.5	2-5	3	2-5	2	1-4	3	2-5	5	2-9	34.5	25-44	2	2-2	2	2-4	2	2-2	4	2-8	2	2-5	2	2-4	3	2-6
J	2	2-2	2	1-2	1	1-2	1	1-2	2	2-3	1	1-2	2	1-3	0	0-0	2	1-2	1.5	1-2.5	2	1-2	2	1-3	2	1-2	0	0-0
K	4	2-9	5	3-8.5	4	2-7	2	2-4	3	2-6	3	2-6	4	2-14	2	2-5	2	2-3.5	2	2-3	4	2-7	3	2-5	2	2-3	0	0-0
L	2	2-11	2	1-2	2	1-3	3	2-4	2	1-3	3	2-6	0	0-0	2	2-3	2	2-3	2	1-3	3	2-6	2	2-4	2	2-3	0	0-0
M	5	4.5-10.5	2.5	2-4	3	2-7	3	2-5	2	2-4	4	2-7	18	18-18	2	2-3	2	2-4	2	2-3	3	2-5	2	2-5	3	2-5	3	2-12
N	2	1-3	5	2-10	3	2-6	5.5	3-8	3	2-4	5	3-8	3	2-3	2	2-3.5	2	2-4	2	2-5	5	2-10	2	2-6	2	2-5	0	0-0
O	2	2-2	5	2-11	3	2-6	2	1.5-12.5	3	2-7	3.5	2-11	0	0-0	8	2-23	6	1-7	2	2-3	3	2-7	0	0-0	2	1-2	5	2-14
P	3	2-6.5	3	2-6	2	2-5	3	2-7	3	2-5	3	2-6	2	2-3	2	2-3	2	2-4	2	2-4	4	2-7	3	2-6	2	1.5-4	0	0-0
Q	2	1-6	5	4-7	4	2-9	3	2-5	3	2-5	3	2-6	1.5	1-2	2	2-2.5	2	2-4	2	2-3	3.5	2-8	4	2-8.5	2	2-4	1	1-2
R	3	1-5	2	1-3	2	2-4	2	2-3.5	2	1-3	3	2-6	4	2-4	2	2-2	2	2-6	2	1-3	4	2-7	3	2-6	2	1-3	1	1-1
S	2	2-2	0	0-0	2	1-2	3	2-3	2	1.5-4.5	3	2-5	0	0-0	2	2-3	2	2-3	55	55-55	3	2-6	3	2-7	2	1-2.5	0	0-0
T	2	1-2	2	2-2	2	1-5	3	2-4	2	2-3	3	2-7	0	0-0	3	2-4	2	2-3	2	2-3	4	2-8	2	2-4	2	2-3	2	2-4
U	3	2-3	2.5	2-3	4	2-7	4	2-9	3	2-3.5	6	3-9	0	0-0	69	69-69	2	2-4	1.5	1-2	5	3-9	2	1-8	2.5	2-3.5	8	4-19
V	4	2-6	5	3-10	3	2-6	4	2-9	3	2-7	3	2-7	5	2-8	2	2-2	2	2-5	2	2-5	4	2-8	3	2-8	3	2-6	8	7-9
W	6	2-9	6	3-9	3	2-6	3	2-5.5	2.5	2-5.5	5	3-7	0	0-0	3	2-10	3	2-8	3	2-6	5	3-9	5	2.5-9	3	2-6	1	1-2
X	2	1-3	3	2-9	2	1-5	2	2-3.5	3	2-4	2	1-5	2	1-4	2	1-3	2	2-4	3	2-5	5	2-8	2	1-3	3	2-5.5	2	1-6
Y	3	3-7	5	3-6	5	3-9	3	1-3	3	2-7	4	2-8	3	2-9	2	2-3	3	2-4.5	3	2-3	4	2-7	3	2-7	3	2-5	6	6-6
Z	2	2-3	2.5	2-3	2	1-5.5	3	2-4	3	2-4	3	2-5	0	0-0	3	3-3	2	2-3	2	1-2	2	2-4	2	2-3	2	1-3	0	0-0
ZA	2	2-3	4.5	2-10.5	3	2-7	2	2-3	2	2-3	5	2-9	2.5	2-3	2	2-3.5	2	2-4	2	2-6	3	2-7	2	2-6	2	2-2	0	0-0
ZB	0	0-0	2.5	2-6	4	3-8	3	2-3	3	1-9	4	3-5	0	0-0	2	2-2	2	2-4.5	2	1-15	3	2-10	2	2-2	3	2-5	0	0-0

Table 40 Admissions by length of stay by NHS trust, 2006 - 2008

		LOS Group																	
Year	NHS Trust	<1h		1h to <4h		4h to <12h		12h to <24h		1d to <3d		3d to <7d		7d+		Unknown		Total	
		n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
2006	A	1	(0)	21	(5)	50	(11)	102	(23)	140	(31)	85	(19)	50	(11)	0	(0)	449	(3.1)
	B	0	(0)	25	(11)	63	(28)	47	(21)	68	(30)	15	(7)	9	(4)	0	(0)	227	(1.6)
	C	0	(0)	3	(1)	25	(8)	78	(26)	96	(32)	62	(21)	37	(12)	0	(0)	301	(2.1)
	D	0	(0)	10	(2)	42	(7)	95	(17)	144	(25)	137	(24)	143	(25)	0	(0)	571	(4.0)
	E	3	(0)	29	(2)	87	(5)	207	(13)	507	(32)	392	(25)	374	(23)	0	(0)	1,599	(11.2)
	F	1	(0)	17	(2)	51	(5)	170	(16)	435	(40)	290	(27)	123	(11)	0	(0)	1,087	(7.6)
	G	0	(0)	2	(6)	3	(8)	8	(22)	11	(31)	10	(28)	2	(6)	0	(0)	36	(0.3)
	H	0	(0)	17	(5)	39	(12)	69	(22)	86	(27)	48	(15)	56	(18)	0	(0)	315	(2.2)
	I	1	(0)	19	(2)	77	(8)	227	(25)	295	(32)	167	(18)	119	(13)	4	(0)	909	(6.3)
	J	1	(1)	6	(8)	16	(22)	27	(36)	21	(28)	2	(3)	1	(1)	0	(0)	74	(0.5)
	K	3	(0)	35	(4)	88	(10)	185	(20)	253	(28)	195	(21)	148	(16)	0	(0)	907	(6.3)
	L	0	(0)	11	(4)	21	(7)	64	(21)	108	(36)	59	(20)	36	(12)	0	(0)	299	(2.1)
	M	0	(0)	12	(3)	33	(8)	100	(25)	147	(36)	76	(19)	35	(9)	1	(0)	404	(2.8)
	N	0	(0)	1	(0)	17	(6)	52	(19)	100	(36)	49	(18)	56	(20)	0	(0)	275	(1.9)
	O	1	(0)	16	(2)	30	(5)	113	(17)	235	(36)	145	(22)	117	(18)	0	(0)	657	(4.6)
	P	1	(0)	26	(2)	101	(9)	255	(23)	349	(32)	209	(19)	161	(15)	0	(0)	1,102	(7.7)
	Q	0	(0)	10	(2)	34	(7)	105	(21)	164	(33)	105	(21)	85	(17)	0	(0)	503	(3.5)
	R	1	(0)	45	(7)	67	(10)	172	(26)	186	(28)	114	(17)	71	(11)	0	(0)	656	(4.6)
	S	0	(0)	10	(5)	21	(11)	44	(23)	57	(30)	38	(20)	18	(10)	0	(0)	188	(1.3)
	T	1	(0)	14	(3)	27	(6)	103	(23)	152	(34)	88	(20)	57	(13)	0	(0)	442	(3.1)
	U	0	(0)	3	(1)	26	(7)	64	(17)	111	(30)	95	(26)	68	(19)	0	(0)	367	(2.6)
	V	0	(0)	10	(1)	67	(6)	217	(21)	327	(31)	247	(24)	178	(17)	0	(0)	1,046	(7.3)
	W	1	(0)	8	(1)	27	(4)	69	(11)	242	(38)	154	(24)	138	(21)	3	(0)	642	(4.5)
	X	106	(12)	109	(12)	76	(9)	110	(13)	211	(24)	132	(15)	130	(15)	2	(0)	876	(6.1)
	Y	0	(0)	4	(1)	28	(7)	104	(26)	119	(30)	83	(21)	58	(15)	0	(0)	396	(2.8)
2006 Total		121	(0.8)	463	(3.2)	1,116	(7.8)	2,787	(19.5)	4,564	(31.9)	2,997	(20.9)	2,270	(15.8)	10	(0.1)	14,328	
2007	A	0	(0)	10	(2)	46	(9)	121	(24)	185	(36)	93	(18)	57	(11)	0	(0)	512	(3.3)
	B	0	(0)	13	(8)	40	(23)	38	(22)	57	(33)	18	(11)	5	(3)	0	(0)	171	(1.1)
	C	0	(0)	2	(1)	20	(6)	76	(24)	92	(29)	77	(24)	50	(16)	0	(0)	317	(2.0)
	D	1	(0)	11	(2)	40	(6)	123	(19)	183	(29)	159	(25)	122	(19)	0	(0)	639	(4.1)
	E	4	(0)	26	(2)	86	(6)	149	(10)	460	(31)	428	(29)	320	(22)	0	(0)	1,473	(9.5)
	F	3	(0)	17	(1)	61	(5)	160	(13)	494	(41)	323	(27)	139	(12)	0	(0)	1,197	(7.7)
	G	0	(0)	1	(2)	9	(20)	5	(11)	13	(29)	14	(31)	3	(7)	0	(0)	45	(0.3)
	H	1	(0)	14	(5)	32	(11)	64	(22)	87	(30)	39	(13)	53	(18)	0	(0)	290	(1.9)
	I	2	(0)	19	(2)	61	(7)	208	(23)	288	(32)	192	(21)	129	(14)	2	(0)	901	(5.8)
	J	1	(1)	18	(15)	22	(18)	43	(36)	31	(26)	2	(2)	2	(2)	0	(0)	119	(0.8)
	K	3	(0)	42	(4)	67	(7)	202	(22)	245	(26)	212	(23)	166	(18)	0	(0)	937	(6.0)
	L	0	(0)	5	(1)	30	(8)	77	(22)	141	(40)	66	(19)	36	(10)	0	(0)	355	(2.3)
	M	0	(0)	10	(3)	28	(8)	81	(23)	112	(32)	82	(23)	36	(10)	0	(0)	349	(2.2)
	N	1	(0)	6	(2)	22	(7)	56	(18)	106	(34)	59	(19)	64	(20)	0	(0)	314	(2.0)
	O	5	(1)	18	(3)	36	(6)	90	(14)	239	(37)	134	(21)	116	(18)	0	(0)	638	(4.1)
	P	0	(0)	16	(1)	79	(7)	230	(22)	331	(31)	243	(23)	168	(16)	0	(0)	1,067	(6.8)
	Q	0	(0)	13	(2)	40	(7)	161	(27)	164	(27)	122	(20)	106	(17)	0	(0)	606	(3.9)
	R	1	(0)	46	(6)	82	(11)	174	(24)	210	(29)	131	(18)	81	(11)	0	(0)	725	(4.7)
	S	0	(0)	8	(4)	16	(8)	43	(23)	67	(35)	39	(21)	17	(9)	0	(0)	190	(1.2)
	T	2	(1)	8	(2)	36	(9)	98	(25)	114	(30)	62	(16)	65	(17)	0	(0)	385	(2.5)
	U	0	(0)	2	(1)	16	(4)	46	(13)	110	(30)	97	(26)	96	(26)	0	(0)	367	(2.4)
	V	0	(0)	12	(1)	63	(5)	227	(20)	363	(32)	275	(24)	211	(18)	0	(0)	1,151	(7.4)
	W	1	(0)	10	(1)	27	(4)	87	(13)	246	(36)	166	(24)	152	(22)	0	(0)	689	(4.4)
	X	7	(1)	47	(7)	75	(10)	101	(14)	196	(27)	156	(22)	141	(20)	0	(0)	723	(4.6)
	Y	2	(0)	5	(1)	19	(4)	131	(31)	109	(26)	82	(19)	76	(18)	0	(0)	424	(2.7)
Z	0	(0)	6	(2)	49	(14)	82	(23)	138	(38)	58	(16)	26	(7)	0	(0)	359	(2.3)	
ZA	0	(0)	10	(2)	39	(6)	200	(31)	193	(30)	102	(16)	92	(14)	0	(0)	636	(4.1)	
2007 Total		34	(0.2)	395	(2.5)	1,141	(7.3)	3,073	(19.7)	4,974	(31.9)	3,431	(22.0)	2,529	(16.2)	2	(0.0)	15,579	
2008	A	0	(0)	11	(2)	51	(11)	120	(26)	145	(31)	88	(19)	55	(12)	0	(0)	470	(2.9)
	B	0	(0)	6	(2)	38	(13)	62	(22)	110	(39)	45	(16)	23	(8)	0	(0)	284	(1.8)
	C	1	(0)	7	(2)	24	(8)	72	(23)	88	(29)	71	(23)	45	(15)	0	(0)	308	(1.9)
	D	0	(0)	15	(2)	40	(6)	124	(19)	177	(27)	155	(24)	142	(22)	4	(1)	657	(4.1)
	E	5	(0)	24	(2)	106	(7)	179	(11)	495	(32)	407	(26)	349	(22)	1	(0)	1,566	(9.7)
	F	0	(0)	22	(2)	53	(5)	189	(16)	426	(37)	321	(28)	145	(13)	0	(0)	1,156	(7.2)
	G	0	(0)	2	(6)	10	(32)	7	(23)	8	(26)	4	(13)	0	(0)	0	(0)	31	(0.2)
	H	0	(0)	14	(4)	35	(9)	82	(21)	136	(36)	62	(16)	53	(14)	0	(0)	382	(2.4)
	I	1	(0)	24	(3)	44	(5)	169	(20)	270	(33)	196	(24)	121	(15)	2	(0)	827	(5.1)
	J	1	(1)	9	(7)	38	(29)	37	(29)	40	(31)	4	(3)	0	(0)	0	(0)	129	(0.8)
	K	5	(1)	34	(4)	61	(7)	183	(20)	262	(28)	204	(22)	173	(19)	0	(0)	922	(5.7)
	L	0	(0)	13	(4)	21	(7)	57	(18)	117	(37)	63	(20)	47	(15)	1	(0)	319	(2.0)
	M	0	(0)	3	(1)	32	(10)	76	(23)	103	(31)	56	(17)	54	(16)	4	(1)	328	(2.0)
	N	0	(0)	2	(1)	28	(9)	46	(15)	99	(33)	68	(23)	57	(19)	0	(0)	300	(1.9)
	O	2	(0)	25	(4)	40	(7)	88	(14)	230	(38)	128	(21)	96	(16)	1	(0)	610	(3.8)
	P	1	(0)	19	(2)	75	(7)	256	(23)	354	(32)	240	(22)	167	(15)	0	(0)	1,112	(6.9)
	Q	0	(0)	7	(1)	43	(8)	126	(22)	193	(34)	114	(20)	86	(15)	2	(0)	571	(3.5)
	R	0	(0)	22	(3)	62	(9)	153	(22)	225	(33)	141	(21)	81	(12)	0	(0)	684	(4.3)
	S	1	(1)	10	(5)	22	(11)	51	(26)	63	(32)	39	(20)	10	(5)	0	(0)	196	(1.2)
	T	0	(0)	15	(3)	40	(8)	131	(28)	154	(32)	75	(16)	61	(13)	0	(0)	476	(3.0)
	U	0	(0)	4	(1)	24	(8												

**Table 41 Admissions by unit discharge status and age, 2006 - 2008**

Unit discharge Status	Age Group (Years)								Total	
	<1		1-4		5-10		11-15			
	n	%	n	%	n	%	n	%	n	%
Alive	20,419	(47)	11,442	(26)	5,946	(14)	5,935	(14)	43,743	(95.1)
Dead	1,248	(56)	439	(20)	282	(13)	262	(12)	2,231	(4.9)
Unknown	12	(55)	3	(14)	4	(18)	2	(9)	22	-
Total	21,679	(47.1)	11,884	(25.8)	6,232	(13.5)	6,199	(13.5)	45,996	



**Table 42 Admissions by unit discharge status and age (<1), 2006 - 2008**

Unit discharge Status	Age Group (Months)								Total	
	<1		1-2		3-5		6-11			
	n	%	n	%	n	%	n	%	n	%
Alive	7,018	(34)	4,924	(24)	3,999	(20)	4,478	(22)	20,419	(94.2)
Dead	555	(44)	251	(20)	227	(18)	215	(17)	1,248	(5.8)
Unknown	4	(33)	2	(17)	3	(25)	3	(25)	12	-
Total	7,577	(35.0)	5,177	(23.9)	4,229	(19.5)	4,696	(21.7)	21,679	

**Table 43 Admissions by unit discharge status and sex, 2006 - 2008**

Unit discharge Status	Sex								Total	
	Male		Female		Ambiguous		Unknown			
	n	%	n	%	n	%	n	%	n	%
Alive	24,629	(56)	19,095	(44)	11	(0)	7	(0)	43,743	(95.1)
Dead	1,205	(54)	1,020	(46)	3	(0)	3	(0)	2,231	(4.9)
Unknown	9	(41)	11	(50)	0	(0)	2	(9)	22	-
Total	25,843	(56.2)	20,126	(43.8)	14	(0.0)	12	(0.0)	45,996	

**Table 44 Admissions by unit discharge status and sex (age <1), 2006 - 2008**

Unit discharge Status	Sex								Total	
	Male		Female		Ambiguous		Unknown			
	n	%	n	%	n	%	n	%	n	%
Alive	11,898	(58)	8,514	(42)	5	(0)	2	(0)	20,419	(94.2)
Dead	668	(54)	575	(46)	3	(0)	2	(0)	1,248	(5.8)
Unknown	6	(50)	6	(50)	0	(0)	0	(0)	12	-
Total	12,572	(58.0)	9,095	(42.0)	8	(0.0)	4	(0.0)	21,679	

Table 45 Admissions by unit discharge status by NHS trust, 2006 - 2008

Table 4-3 Admissions by unit discharge status by NHS trust, 2006 - 2008									
Year	NHS Trust	Unit Discharge Status						Total	
		Alive		Dead		Unknown			
		n	%	n	%	n	%	n	%
2006	A	442	(98)	7	(2)	0	(0)	449	(3.1)
	B	225	(99)	2	(1)	0	(0)	227	(1.6)
	C	287	(95)	14	(5)	0	(0)	301	(2.1)
	D	530	(93)	41	(7)	0	(0)	571	(4.0)
	E	1,479	(92)	120	(8)	0	(0)	1,599	(11.2)
	F	1,039	(96)	48	(4)	0	(0)	1,087	(7.6)
	G	31	(86)	5	(14)	0	(0)	36	(0.3)
	H	284	(90)	31	(10)	0	(0)	315	(2.2)
	I	854	(94)	55	(6)	0	(0)	909	(6.3)
	J	72	(97)	2	(3)	0	(0)	74	(0.5)
	K	873	(96)	34	(4)	0	(0)	907	(6.3)
	L	283	(95)	16	(5)	0	(0)	299	(2.1)
	M	384	(95)	19	(5)	1	(0)	404	(2.8)
	N	258	(94)	17	(6)	0	(0)	275	(1.9)
	O	639	(97)	18	(3)	0	(0)	657	(4.6)
	P	1,056	(96)	46	(4)	0	(0)	1,102	(7.7)
	Q	481	(96)	22	(4)	0	(0)	503	(3.5)
	R	627	(96)	29	(4)	0	(0)	656	(4.6)
	S	183	(97)	5	(3)	0	(0)	188	(1.3)
	T	427	(97)	15	(3)	0	(0)	442	(3.1)
	U	339	(92)	28	(8)	0	(0)	367	(2.6)
	V	957	(91)	89	(9)	0	(0)	1,046	(7.3)
	W	599	(93)	43	(7)	0	(0)	642	(4.5)
	X	837	(96)	37	(4)	2	(0)	876	(6.1)
	Y	374	(94)	22	(6)	0	(0)	396	(2.8)
2006 Total		13,560	(94.6)	765	(5.3)	3	(0.0)	14,328	
2007	A	492	(96)	20	(4)	0	(0)	512	(3.3)
	B	167	(98)	4	(2)	0	(0)	171	(1.1)
	C	305	(96)	12	(4)	0	(0)	317	(2.0)
	D	594	(93)	45	(7)	0	(0)	639	(4.1)
	E	1,386	(94)	87	(6)	0	(0)	1,473	(9.5)
	F	1,146	(96)	51	(4)	0	(0)	1,197	(7.7)
	G	39	(87)	6	(13)	0	(0)	45	(0.3)
	H	264	(91)	26	(9)	0	(0)	290	(1.9)
	I	852	(95)	49	(5)	0	(0)	901	(5.8)
	J	119	(100)	0	(0)	0	(0)	119	(0.8)
	K	899	(96)	38	(4)	0	(0)	937	(6.0)
	L	344	(97)	11	(3)	0	(0)	355	(2.3)
	M	327	(94)	22	(6)	0	(0)	349	(2.2)
	N	298	(95)	16	(5)	0	(0)	314	(2.0)
	O	615	(96)	23	(4)	0	(0)	638	(4.1)
	P	1,005	(94)	62	(6)	0	(0)	1,067	(6.8)
	Q	580	(96)	26	(4)	0	(0)	606	(3.9)
	R	696	(96)	29	(4)	0	(0)	725	(4.7)
	S	183	(96)	7	(4)	0	(0)	190	(1.2)
	T	376	(98)	9	(2)	0	(0)	385	(2.5)
	U	344	(94)	23	(6)	0	(0)	367	(2.4)
	V	1,076	(93)	75	(7)	0	(0)	1,151	(7.4)
	W	648	(94)	41	(6)	0	(0)	689	(4.4)
	X	688	(95)	35	(5)	0	(0)	723	(4.6)
	Y	416	(98)	8	(2)	0	(0)	424	(2.7)
	Z	353	(98)	6	(2)	0	(0)	359	(2.3)
	ZA	619	(97)	17	(3)	0	(0)	636	(4.1)
2007 Total		14,831	(95.2)	748	(4.8)	0	(0.0)	15,579	
2008	A	457	(97)	13	(3)	0	(0)	470	(2.9)
	B	284	(100)	0	(0)	0	(0)	284	(1.8)
	C	296	(96)	11	(4)	1	(0)	308	(1.9)
	D	616	(94)	40	(6)	1	(0)	657	(4.1)
	E	1,455	(93)	111	(7)	0	(0)	1,566	(9.7)
	F	1,098	(95)	58	(5)	0	(0)	1,156	(7.2)
	G	25	(81)	6	(19)	0	(0)	31	(0.2)
	H	364	(95)	18	(5)	0	(0)	382	(2.4)
	I	775	(94)	50	(6)	2	(0)	827	(5.1)
	J	129	(100)	0	(0)	0	(0)	129	(0.8)
	K	891	(97)	31	(3)	0	(0)	922	(5.7)
	L	306	(96)	12	(4)	1	(0)	319	(2.0)
	M	317	(97)	11	(3)	0	(0)	328	(2.0)
	N	280	(93)	20	(7)	0	(0)	300	(1.9)
	O	595	(98)	14	(2)	1	(0)	610	(3.8)
	P	1,062	(96)	50	(4)	0	(0)	1,112	(6.9)
	Q	555	(97)	15	(3)	1	(0)	571	(3.5)
	R	660	(96)	24	(4)	0	(0)	684	(4.3)
	S	190	(97)	6	(3)	0	(0)	196	(1.2)
	T	465	(98)	11	(2)	0	(0)	476	(3.0)
	U	277	(92)	24	(8)	0	(0)	301	(1.9)
	V	1,016	(92)	85	(8)	0	(0)	1,101	(6.8)
	W	704	(96)	26	(4)	1	(0)	731	(4.5)
	X	653	(94)	28	(4)	11	(2)	692	(4.3)
	Y	443	(98)	10	(2)	0	(0)	453	(2.8)
	Z	390	(99)	2	(1)	0	(0)	392	(2.4)
	ZA	892	(97)	32	(3)	0	(0)	924	(5.7)
	ZB	157	(94)	10	(6)	0	(0)	167	(1.0)
2008 Total		15,352	(95.4)	718	(4.5)	19	(0.1)	16,089	
Grand Total		43,743	(95.1)	2,231	(4.9)	22	(0.0)	45,996	

**Table 46 Admissions by unit discharge destination and age, 2006 - 2008**

Discharge Destination	Age Group (Years)								Total	
	<1		1-4		5-10		11-15			
	n	%	n	%	n	%	n	%	n	%
Normal residence	239	(19)	416	(33)	322	(26)	270	(22)	1,247	(2.8)
Hospice	26	(32)	26	(32)	12	(15)	17	(21)	81	(0.2)
Same hospital	16,267	(45)	9,486	(26)	4,993	(14)	5,071	(14)	35,818	(81.8)
Other hospital	3,860	(59)	1,489	(23)	612	(9)	569	(9)	6,530	(14.9)
Unknown	39	(44)	28	(31)	11	(12)	10	(11)	89	(0.2)
Total	20,431	(46.7)	11,445	(26.2)	5,950	(13.6)	5,937	(13.6)	43,765	

Table 47 Standardised mortality ratios by trust, 2006

NHS Trust	Number of Admissions	Standardised Mortality Ratio Unadjusted (95% CI)			PIM2 Adjusted (95% CI)		
		SMR	Lower	Upper	SMR	Lower	Upper
A	454	0.29	0.12	0.59	0.58	0.23	1.19
B	235	0.16	0.02	0.57	0.45	0.05	1.59
C	309	0.85	0.47	1.40	0.74	0.41	1.22
D	585	1.34	0.98	1.79	0.99	0.72	1.32
E	1,629	1.40	1.17	1.66	1.01	0.85	1.20
F	1,101	0.82	0.61	1.07	0.60	0.44	0.79
G	36	2.60	0.87	5.52	0.65	0.22	1.38
H	322	1.86	1.29	2.57	1.21	0.84	1.67
I	929	1.15	0.88	1.47	1.28	0.98	1.65
J	75	0.50	0.06	1.74	0.96	0.12	3.36
K	938	0.72	0.51	0.99	0.82	0.58	1.13
L	318	0.94	0.54	1.51	1.19	0.69	1.91
M	421	0.84	0.51	1.30	1.01	0.61	1.56
N	276	1.22	0.73	1.89	1.01	0.60	1.56
O	656	0.49	0.28	0.77	0.62	0.36	0.98
P	1,119	0.77	0.57	1.02	0.82	0.60	1.08
Q	527	0.78	0.49	1.17	1.15	0.73	1.72
R	692	0.84	0.57	1.18	0.71	0.49	1.00
S	190	0.69	0.28	1.39	1.24	0.50	2.50
T	450	0.67	0.38	1.07	1.24	0.71	1.99
U	369	1.42	0.96	2.02	0.86	0.58	1.22
V	1,064	1.64	1.33	1.98	0.94	0.77	1.14
W	659	1.25	0.92	1.66	0.81	0.60	1.08
X	895	0.77	0.55	1.06	1.09	0.78	1.50
Y	430	1.00	0.64	1.48	1.27	0.81	1.87

Figure 47a PICU Standardised mortality ratios by NHS trust with 99.9% control limits, 2006: unadjusted

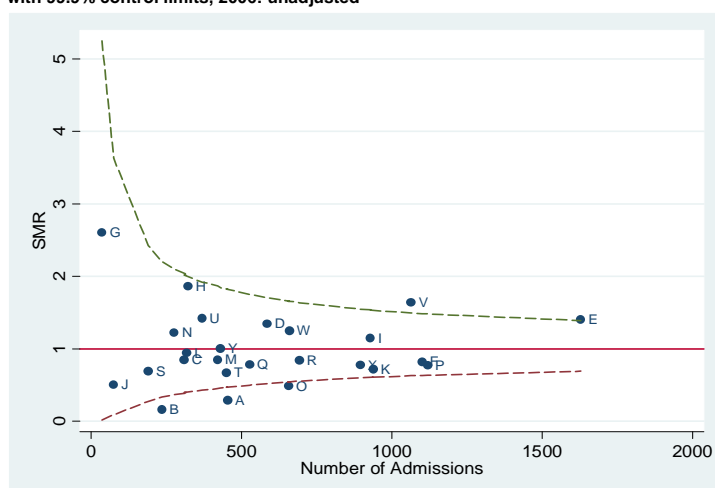


Figure 47b PICU Standardised mortality ratios by NHS trust with 99.9% control limits, 2006:PIM2 adjusted

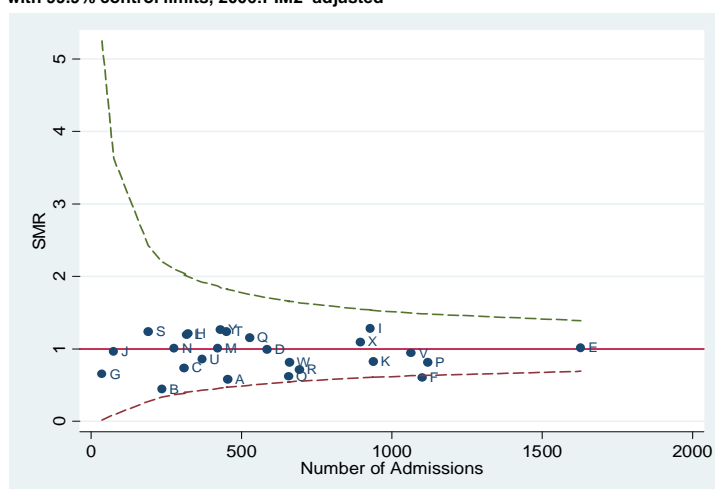


Table 48 Standardised mortality ratios by trust, 2007

NHS Trust	Number of Admissions	Standardised Mortality Ratio Unadjusted (95% CI)			PIM2 Adjusted (95% CI)		
		SMR	Lower	Upper	SMR	Lower	Upper
A	524	0.84	0.52	1.27	0.97	0.61	1.47
B	175	0.60	0.20	1.37	1.54	0.50	3.53
C	324	0.78	0.40	1.34	0.66	0.34	1.14
D	651	1.48	1.09	1.95	0.91	0.67	1.20
E	1,495	1.22	0.98	1.49	0.86	0.69	1.05
F	1,224	0.89	0.67	1.16	0.59	0.44	0.76
G	45	2.79	1.06	5.61	0.72	0.27	1.45
H	292	1.86	1.23	2.67	1.43	0.94	2.04
I	918	1.12	0.83	1.46	1.06	0.79	1.38
J	119	0.00	0.00	0.64	0.00	0.00	1.24
K	962	0.91	0.66	1.23	0.81	0.59	1.08
L	376	0.61	0.31	1.08	0.72	0.36	1.28
M	359	1.22	0.77	1.84	1.06	0.66	1.59
N	315	1.06	0.61	1.70	0.70	0.40	1.11
O	641	0.72	0.45	1.08	0.90	0.57	1.35
P	1,086	1.25	0.97	1.58	1.16	0.90	1.46
Q	622	0.88	0.58	1.27	1.17	0.77	1.69
R	757	0.83	0.56	1.17	0.81	0.55	1.14
S	194	0.76	0.31	1.53	1.21	0.49	2.44
T	401	0.47	0.22	0.88	0.70	0.32	1.32
U	368	1.37	0.88	2.00	0.66	0.43	0.97
V	1,158	1.36	1.07	1.69	0.76	0.60	0.95
W	698	1.23	0.89	1.65	0.82	0.59	1.10
X	747	0.98	0.69	1.35	1.02	0.72	1.41
Y	463	0.36	0.16	0.71	0.44	0.19	0.85
Z	366	0.34	0.13	0.74	0.88	0.32	1.89
ZA	651	0.61	0.37	0.95	0.65	0.39	1.01

Figure 48a PICU Standardised mortality ratios by NHS trust with 99.9% control limits, 2007: unadjusted

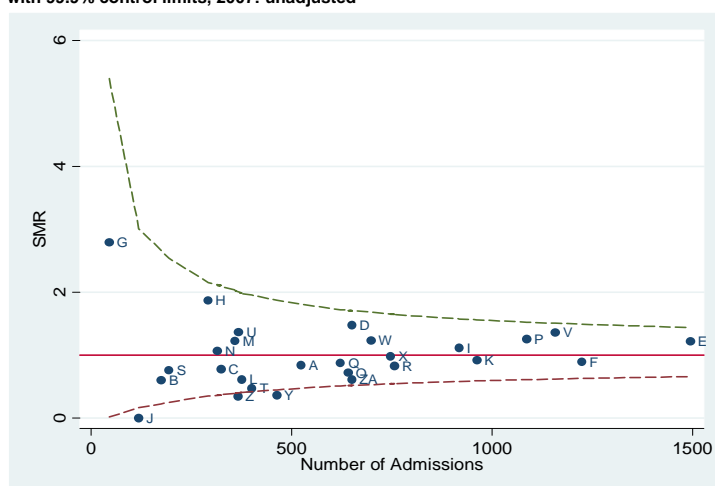


Figure 48b PICU Standardised mortality ratios by NHS trust with 99.9% control limits, 2007: PIM 2 adjusted

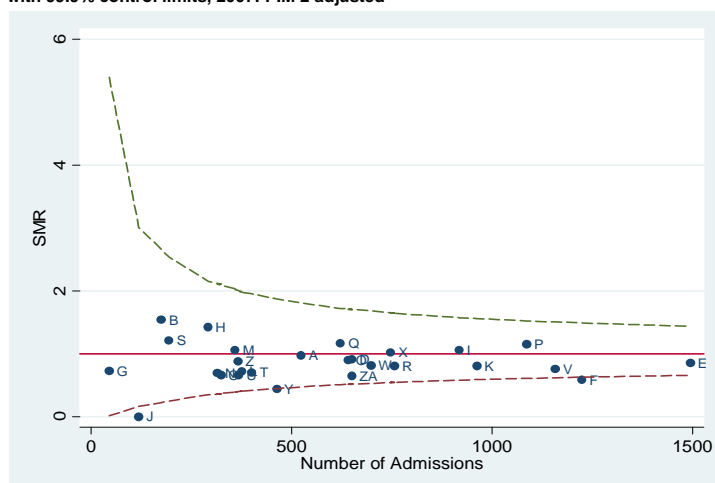


Table 49 Standardised mortality ratios by trust, 2008

NHS Trust	Number of Admissions	Standardised Mortality Ratio Unadjusted (95% CI)			PIM2 Adjusted (95% CI)		
		SMR	Lower	Upper	SMR	Lower	Upper
A	477	0.61	0.33	1.04	1.09	0.59	1.85
B	289	0.00	0.00	0.29	0.00	0.00	0.74
C	310	0.80	0.40	1.41	0.58	0.29	1.01
D	673	1.44	1.05	1.92	0.90	0.66	1.20
E	1,591	1.56	1.29	1.86	0.91	0.75	1.09
F	1,176	1.11	0.85	1.43	0.70	0.54	0.90
G	31	4.36	1.68	8.44	1.49	0.57	2.88
H	393	1.03	0.62	1.61	1.61	0.96	2.51
I	835	1.38	1.03	1.79	1.03	0.77	1.34
J	131	0.00	0.00	0.63	0.00	0.00	1.11
K	947	0.79	0.54	1.09	0.63	0.44	0.88
L	353	0.89	0.49	1.48	0.97	0.53	1.60
M	353	0.70	0.35	1.24	0.68	0.34	1.20
N	303	1.49	0.92	2.26	0.70	0.43	1.06
O	610	0.52	0.28	0.86	0.76	0.42	1.26
P	1,149	1.04	0.78	1.35	0.91	0.69	1.18
Q	593	0.57	0.32	0.93	0.63	0.36	1.04
R	723	0.78	0.51	1.14	0.61	0.40	0.89
S	202	0.67	0.25	1.43	0.86	0.32	1.84
T	492	0.55	0.29	0.95	0.63	0.33	1.09
U	306	1.77	1.15	2.58	1.03	0.67	1.50
V	1,114	1.72	1.38	2.11	0.80	0.64	0.97
W	749	0.84	0.56	1.21	0.54	0.36	0.78
X	716	0.91	0.61	1.30	0.87	0.58	1.24
Y	483	0.47	0.22	0.85	0.53	0.26	0.97
Z	400	0.11	0.01	0.40	0.19	0.02	0.69
ZA	947	0.76	0.52	1.07	0.90	0.62	1.26
ZB	168	1.34	0.65	2.40	1.63	0.79	2.93

Figure 49a PICU Standardised mortality ratios by NHS trust with 99.9% control limits, 2008: unadjusted

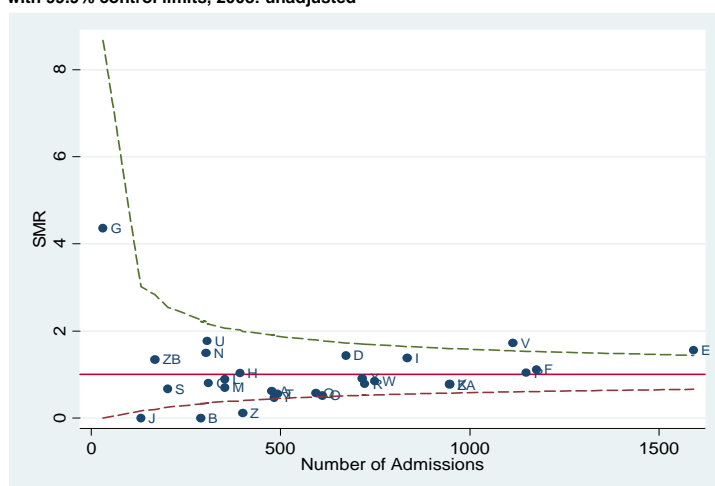


Figure 49b PICU Standardised mortality ratios by NHS trust with 99.9% control limits, 2008: PIM2 adjusted

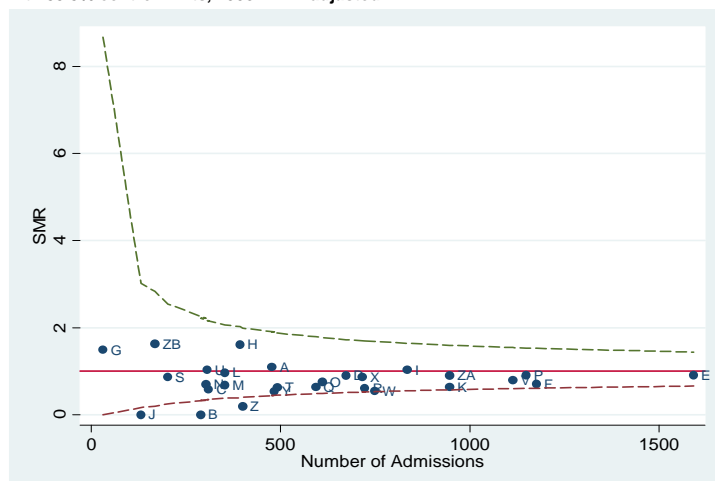




Table 50 Standardised mortality ratios combined by trust, 2006 - 2008

NHS Trust	Number of Admissions	Standardised Mortality Ratio Unadjusted (95% CI)			PIM2 Adjusted (95% CI)		
		SMR	Lower	Upper	SMR	Lower	Upper
A	1,455	0.58	0.42	0.79	0.90	0.65	1.22
B	699	0.21	0.08	0.42	0.55	0.22	1.13
C	943	0.81	0.57	1.11	0.66	0.47	0.90
D	1,909	1.42	1.19	1.67	0.93	0.78	1.10
E	4,715	1.40	1.25	1.56	0.93	0.83	1.03
F	3,501	0.93	0.80	1.09	0.63	0.54	0.73
G	112	3.14	1.88	4.80	0.85	0.51	1.30
H	1,007	1.56	1.24	1.94	1.36	1.08	1.68
I	2,682	1.21	1.03	1.41	1.12	0.96	1.30
J	325	0.13	0.02	0.46	0.24	0.03	0.87
K	2,847	0.81	0.67	0.97	0.75	0.62	0.90
L	1,047	0.81	0.58	1.09	0.95	0.69	1.28
M	1,133	0.93	0.70	1.22	0.93	0.70	1.22
N	894	1.25	0.95	1.62	0.78	0.59	1.01
O	1,907	0.57	0.43	0.75	0.75	0.57	0.98
P	3,354	1.01	0.87	1.17	0.96	0.82	1.11
Q	1,742	0.75	0.58	0.95	0.97	0.75	1.23
R	2,172	0.82	0.66	1.01	0.71	0.57	0.87
S	586	0.71	0.43	1.08	1.09	0.67	1.66
T	1,343	0.57	0.40	0.78	0.83	0.58	1.13
U	1,043	1.51	1.20	1.87	0.82	0.65	1.02
V	3,336	1.57	1.39	1.77	0.83	0.74	0.94
W	2,106	1.11	0.92	1.33	0.73	0.60	0.87
X	2,358	0.89	0.72	1.07	1.00	0.81	1.20
Y	1,376	0.62	0.44	0.83	0.74	0.53	1.00
Z	766	0.22	0.09	0.42	0.46	0.20	0.91
ZA	1,598	0.66	0.49	0.86	0.79	0.59	1.03
ZB	168	1.23	0.60	2.21	1.63	0.79	2.93

Figure 50a PICU Standardised mortality ratios by NHS trust with 99.9% control limits, 2006-8: unadjusted

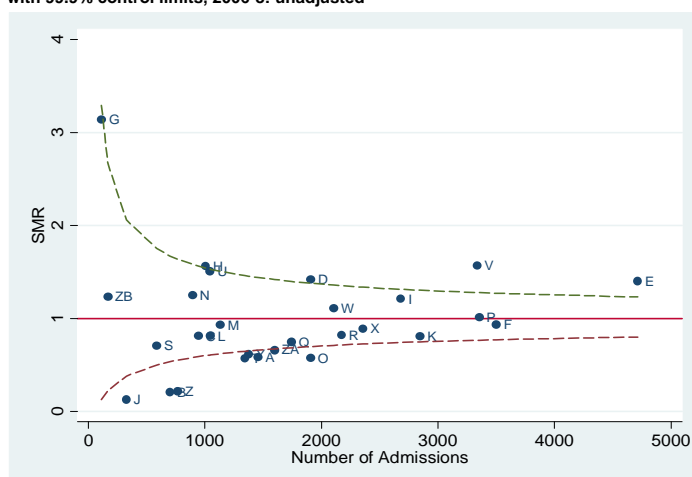


Figure 50b PICU Standardised mortality ratios by NHS trust with 99.9% control limits, 2006-8: PIM 2 adjusted

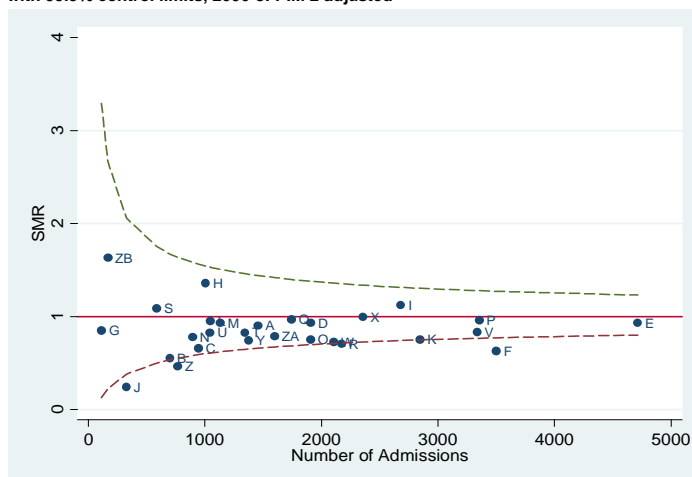
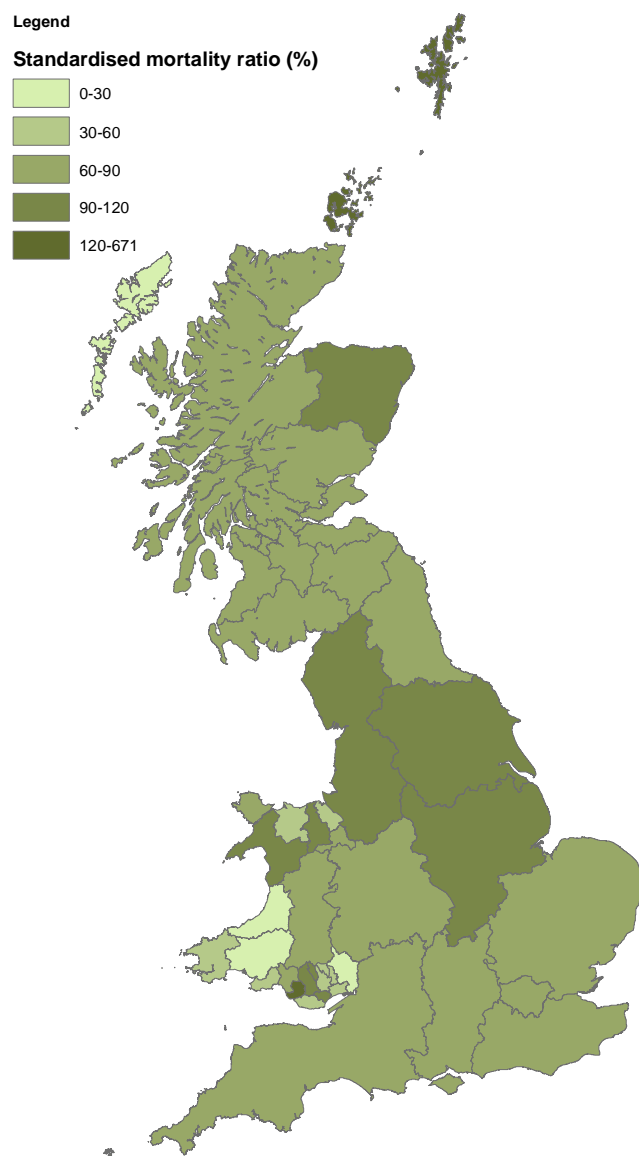


Figure 50c Risk adjusted mortality (PIM2) by SHA / HB in Great Britain, 2006 - 2008



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Note: The maximum SMR (670 for Orkney) is based on 2 deaths in 11 admissions and therefore has a very wide confidence interval

**Table 51 Admissions by follow-up status and age, 2006 - 2008**

Follow-Up Status	Age Group (Years)								Total	
	<1		1-4		5-10		11-15			
	n	%	n	%	n	%	n	%	n	%
Alive	10,416	(46)	5,870	(26)	2,979	(13)	3,375	(15)	22,640	(49.2)
Dead	394	(63)	123	(20)	61	(10)	49	(8)	627	(1.4)
Unknown	10,869	(48)	5,891	(26)	3,192	(14)	2,775	(12)	22,729	(49.4)
Total	21,679	(47.1)	11,884	(25.8)	6,232	(13.5)	6,199	(13.5)	45,996	

**Table 52 Admissions by follow-up status and age (<1), 2006 - 2008**

Follow-Up Status	Age Group (Months)								Total	
	<1		1-2		3-5		6-11			
	n	%	n	%	n	%	n	%	n	%
Alive	3,594	(35)	2,576	(25)	2,032	(20)	2,214	(21)	10,416	(48.0)
Dead	181	(46)	85	(22)	67	(17)	61	(15)	394	(1.8)
Unknown	3,802	(35)	2,516	(23)	2,130	(20)	2,421	(22)	10,869	(50.1)
Total	7,577	(35.0)	5,177	(23.9)	4,229	(19.5)	4,696	(21.7)	21,679	

**Table 53 Admissions by follow-up status and sex, 2006 - 2008**

Follow-Up Status	Sex								Total	
	Male		Female		Ambiguous		Unknown			
	n	%	n	%	n	%	n	%	n	%
Alive	12,777	(56)	9,856	(44)	5	(0)	1	(0)	22,640	(49.2)
Dead	329	(52)	297	(47)	0	(0)	1	(0)	627	(1.4)
Unknown	12,737	(56)	9,973	(44)	9	(0)	10	(0)	22,729	(49.4)
Total	25,843	(56.2)	20,126	(43.8)	14	(0.0)	12	(0.0)	45,996	

**Table 54 Admissions by follow-up status and sex (age<1), 2006 - 2008**

Follow-Up Status	Sex								Total	
	Male		Female		Ambiguous		Unknown			
	n	%	n	%	n	%	n	%	n	%
Alive	6,129	(59)	4,283	(41)	3	(0)	1	(0)	10,416	(48.0)
Dead	218	(55)	175	(44)	0	(0)	1	(0)	394	(1.8)
Unknown	6,225	(57)	4,637	(43)	5	(0)	2	(0)	10,869	(50.1)
Total	12,572	(58.0)	9,095	(42.0)	8	(0.0)	4	(0.0)	21,679	

Table 55 Admissions by follow-up status by NHS trust, 2006 - 2008

Year	NHS Trust	Follow-Up Status						Total	
		Alive		Dead		Unknown		n	%
		n	%	n	%	n	%		
2006	A	4	(1)	1	(0)	444	(99)	449	(3.1)
	B	199	(88)	2	(1)	26	(11)	227	(1.6)
	C	278	(92)	6	(2)	17	(6)	301	(2.1)
	D	496	(87)	14	(2)	61	(11)	571	(4.0)
	E	0	(0)	0	(0)	1,599	(100)	1,599	(11.2)
	F	1,014	(93)	73	(7)	0	(0)	1,087	(7.6)
	G	23	(64)	1	(3)	12	(33)	36	(0.3)
	H	5	(2)	1	(0)	309	(98)	315	(2.2)
	I	832	(92)	21	(2)	56	(6)	909	(6.3)
	J	65	(88)	1	(1)	8	(11)	74	(0.5)
	K	467	(51)	18	(2)	422	(47)	907	(6.3)
	L	240	(80)	1	(0)	58	(19)	299	(2.1)
	M	356	(88)	3	(1)	45	(11)	404	(2.8)
	N	201	(73)	2	(1)	72	(26)	275	(1.9)
	O	0	(0)	0	(0)	657	(100)	657	(4.6)
	P	1,036	(94)	11	(1)	55	(5)	1,102	(7.7)
	Q	454	(90)	8	(2)	41	(8)	503	(3.5)
	R	492	(75)	2	(0)	162	(25)	656	(4.6)
	S	151	(80)	3	(2)	34	(18)	188	(1.3)
	T	0	(0)	0	(0)	442	(100)	442	(3.1)
	U	46	(13)	4	(1)	317	(86)	367	(2.6)
	V	783	(75)	24	(2)	239	(23)	1,046	(7.3)
	W	0	(0)	0	(0)	642	(100)	642	(4.5)
	X	395	(45)	11	(1)	470	(54)	876	(6.1)
	Y	365	(92)	3	(1)	28	(7)	396	(2.8)
2006 Total		7,902	(55.2)	210	(1.5)	6,216	(43.4)	14,328	
2007	A	0	(0)	0	(0)	512	(100)	512	(3.3)
	B	138	(81)	5	(3)	28	(16)	171	(1.1)
	C	296	(93)	6	(2)	15	(5)	317	(2.0)
	D	562	(88)	13	(2)	64	(10)	639	(4.1)
	E	0	(0)	0	(0)	1,473	(100)	1,473	(9.5)
	F	1,125	(94)	68	(6)	4	(0)	1,197	(7.7)
	G	29	(64)	4	(9)	12	(27)	45	(0.3)
	H	3	(1)	0	(0)	287	(99)	290	(1.9)
	I	833	(92)	19	(2)	49	(5)	901	(5.8)
	J	108	(91)	4	(3)	7	(6)	119	(0.8)
	K	242	(26)	8	(1)	687	(73)	937	(6.0)
	L	282	(79)	6	(2)	67	(19)	355	(2.3)
	M	271	(78)	4	(1)	74	(21)	349	(2.2)
	N	196	(62)	6	(2)	112	(36)	314	(2.0)
	O	0	(0)	0	(0)	638	(100)	638	(4.1)
	P	969	(91)	28	(3)	70	(7)	1,067	(6.8)
	Q	548	(90)	5	(1)	53	(9)	606	(3.9)
	R	678	(94)	9	(1)	38	(5)	725	(4.7)
	S	168	(88)	4	(2)	18	(9)	190	(1.2)
	T	1	(0)	0	(0)	384	(100)	385	(2.5)
	U	0	(0)	0	(0)	367	(100)	367	(2.4)
	V	180	(16)	9	(1)	962	(84)	1,151	(7.4)
	W	0	(0)	0	(0)	689	(100)	689	(4.4)
	X	508	(70)	16	(2)	199	(28)	723	(4.6)
	Y	405	(96)	0	(0)	19	(4)	424	(2.7)
	Z	219	(61)	0	(0)	140	(39)	359	(2.3)
	ZA	20	(3)	0	(0)	616	(97)	636	(4.1)
2007 Total		7,781	(49.9)	214	(1.4)	7,584	(48.7)	15,579	
2008	A	0	(0)	1	(0)	469	(100)	470	(2.9)
	B	210	(74)	3	(1)	71	(25)	284	(1.8)
	C	293	(95)	2	(1)	13	(4)	308	(1.9)
	D	322	(49)	17	(3)	318	(48)	657	(4.1)
	E	0	(0)	0	(0)	1,566	(100)	1,566	(9.7)
	F	1,071	(93)	85	(7)	0	(0)	1,156	(7.2)
	G	25	(81)	0	(0)	6	(19)	31	(0.2)
	H	3	(1)	0	(0)	379	(99)	382	(2.4)
	I	762	(92)	11	(1)	54	(7)	827	(5.1)
	J	111	(86)	4	(3)	14	(11)	129	(0.8)
	K	294	(32)	3	(0)	625	(68)	922	(5.7)
	L	250	(78)	5	(2)	64	(20)	319	(2.0)
	M	208	(63)	2	(1)	118	(36)	328	(2.0)
	N	13	(4)	2	(1)	285	(95)	300	(1.9)
	O	0	(0)	0	(0)	610	(100)	610	(3.8)
	P	1,031	(93)	19	(2)	62	(6)	1,112	(6.9)
	Q	518	(91)	13	(2)	40	(7)	571	(3.5)
	R	638	(93)	10	(1)	36	(5)	684	(4.3)
	S	169	(86)	3	(2)	24	(12)	196	(1.2)
	T	0	(0)	0	(0)	476	(100)	476	(3.0)
	U	0	(0)	0	(0)	301	(100)	301	(1.9)
	V	0	(0)	0	(0)	1,101	(100)	1,101	(6.8)
	W	0	(0)	0	(0)	731	(100)	731	(4.5)
	X	373	(54)	17	(2)	302	(44)	692	(4.3)
	Y	435	(96)	0	(0)	18	(4)	453	(2.8)
	Z	78	(20)	3	(1)	311	(79)	392	(2.4)
	ZA	0	(0)	0	(0)	924	(100)	924	(5.7)
	ZB	153	(92)	3	(2)	11	(7)	167	(1.0)
2008 Total		6,957	(43.2)	203	(1.3)	8,929	(55.5)	16,089	
Grand Total		22,640	(49.2)	627	(1.4)	22,729	(49.4)	45,996	

**Table 56 Re-Admissions by NHS trust and source of previous admission, 2006 - 2008**

NHS Trust	Source of Previous Admission						Total	
	Same NHS Trust		Other NHS Trust		No Previous Admission			
	n	%	n	%	n	%	n	%
A	331	(23)	45	(3)	1,055	(74)	1,431	(3.1)
B	150	(22)	46	(7)	486	(71)	682	(1.5)
C	155	(17)	30	(3)	741	(80)	926	(2.0)
D	464	(25)	89	(5)	1,314	(70)	1,867	(4.1)
E	1,219	(26)	347	(7)	3,072	(66)	4,638	(10.1)
F	1,054	(31)	192	(6)	2,194	(64)	3,440	(7.5)
G	5	(4)	7	(6)	100	(89)	112	(0.2)
H	234	(24)	85	(9)	668	(68)	987	(2.1)
I	777	(29)	104	(4)	1,756	(67)	2,637	(5.7)
J	25	(8)	33	(10)	264	(82)	322	(0.7)
K	911	(33)	94	(3)	1,761	(64)	2,766	(6.0)
L	248	(25)	56	(6)	669	(69)	973	(2.1)
M	223	(21)	81	(7)	777	(72)	1,081	(2.4)
N	189	(21)	38	(4)	662	(74)	889	(1.9)
O	672	(35)	93	(5)	1,140	(60)	1,905	(4.1)
P	926	(28)	100	(3)	2,255	(69)	3,281	(7.1)
Q	438	(26)	70	(4)	1,172	(70)	1,680	(3.7)
R	577	(28)	40	(2)	1,448	(70)	2,065	(4.5)
S	156	(27)	34	(6)	384	(67)	574	(1.2)
T	314	(24)	97	(7)	892	(68)	1,303	(2.8)
U	125	(12)	124	(12)	786	(76)	1,035	(2.3)
V	996	(30)	143	(4)	2,159	(65)	3,298	(7.2)
W	540	(26)	61	(3)	1,461	(71)	2,062	(4.5)
X	684	(30)	92	(4)	1,515	(66)	2,291	(5.0)
Y	204	(16)	11	(1)	1,058	(83)	1,273	(2.8)
Z	159	(21)	61	(8)	531	(71)	751	(1.6)
ZA	263	(17)	20	(1)	1,277	(82)	1,560	(3.4)
ZB	23	(14)	0	(0)	144	(86)	167	(0.4)
Total	12,062	(26.2)	2,193	(4.8)	31,741	(69.0)	45,996	



Table 57 Number of admissions of individual children by their NHS trust of first admission, 2006 - 2008

NHS Trust	Number of Admissions																Total	
	1		2		3		4		5		6		7		8+			
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
A	866	(78)	146	(13)	59	(5)	22	(2)	9	(1)	3	(0)	1	(0)	6	(1)	1,112	(3.3)
B	396	(75)	71	(13)	22	(4)	17	(3)	8	(2)	3	(1)	2	(0)	7	(1)	526	(1.5)
C	636	(82)	82	(11)	28	(4)	11	(1)	11	(1)	3	(0)	0	(0)	0	(0)	771	(2.3)
D	1,066	(76)	181	(13)	60	(4)	42	(3)	21	(1)	12	(1)	6	(0)	14	(1)	1,402	(4.1)
E	2,421	(73)	525	(16)	194	(6)	91	(3)	32	(1)	24	(1)	13	(0)	24	(1)	3,324	(9.7)
F	1,584	(66)	448	(19)	175	(7)	100	(4)	48	(2)	22	(1)	11	(0)	23	(1)	2,411	(7.1)
G	80	(75)	17	(16)	5	(5)	4	(4)	0	(0)	0	(0)	0	(0)	0	(0)	106	(0.3)
H	520	(73)	110	(15)	52	(7)	13	(2)	8	(1)	3	(0)	2	(0)	6	(1)	714	(2.1)
I	1,371	(71)	319	(17)	130	(7)	50	(3)	25	(1)	15	(1)	5	(0)	12	(1)	1,927	(5.6)
J	228	(83)	30	(11)	8	(3)	5	(2)	1	(0)	0	(0)	0	(0)	3	(1)	275	(0.8)
K	1,345	(70)	318	(17)	136	(7)	44	(2)	31	(2)	19	(1)	13	(1)	15	(1)	1,921	(5.6)
L	554	(78)	83	(12)	30	(4)	14	(2)	4	(1)	6	(1)	5	(1)	12	(2)	708	(2.1)
M	649	(77)	103	(12)	47	(6)	19	(2)	7	(1)	9	(1)	3	(0)	4	(0)	841	(2.5)
N	555	(76)	99	(14)	42	(6)	14	(2)	8	(1)	4	(1)	0	(0)	4	(1)	726	(2.1)
O	781	(61)	288	(23)	93	(7)	61	(5)	31	(2)	12	(1)	5	(0)	6	(0)	1,277	(3.7)
P	1,814	(74)	375	(15)	127	(5)	45	(2)	29	(1)	17	(1)	8	(0)	26	(1)	2,441	(7.1)
Q	949	(76)	173	(14)	49	(4)	31	(2)	15	(1)	12	(1)	6	(0)	13	(1)	1,248	(3.7)
R	1,174	(75)	222	(14)	72	(5)	46	(3)	17	(1)	13	(1)	8	(1)	15	(1)	1,567	(4.6)
S	303	(73)	75	(18)	17	(4)	7	(2)	3	(1)	4	(1)	0	(0)	4	(1)	413	(1.2)
T	734	(79)	98	(11)	47	(5)	20	(2)	11	(1)	2	(0)	1	(0)	12	(1)	925	(2.7)
U	679	(83)	80	(10)	30	(4)	19	(2)	6	(1)	2	(0)	1	(0)	5	(1)	822	(2.4)
V	1,655	(69)	457	(19)	157	(7)	61	(3)	23	(1)	17	(1)	5	(0)	18	(1)	2,393	(7.0)
W	1,175	(73)	250	(16)	79	(5)	44	(3)	28	(2)	6	(0)	7	(0)	11	(1)	1,600	(4.7)
X	1,179	(70)	278	(17)	98	(6)	55	(3)	30	(2)	18	(1)	8	(0)	16	(1)	1,682	(4.9)
Y	931	(86)	99	(9)	25	(2)	16	(1)	5	(0)	3	(0)	1	(0)	4	(0)	1,084	(3.2)
Z	1,611	(83)	240	(12)	59	(3)	26	(1)	11	(1)	1	(0)	1	(0)	3	(0)	1,952	(5.7)
Total	25,256	(73.9)	5,167	(15.1)	1,841	(5.4)	877	(2.6)	422	(1.2)	230	(0.7)	112	(0.3)	263	(0.8)	34,168	

Table 58 Number of individual children by NHS trust and diagnostic group of first admission, 2006 - 2008

NHS Trust	Blood / lymphatic		Body wall and cavities		Cardiovascular		Endocrine / metabolic		Gastrointestinal		Diagnostic Group				Musculoskeletal		Neurological		Oncology		Respiratory		Trauma		Other		Missing		Total	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
A	14	(1)	18	(2)	33	(3)	42	(4)	93	(8)	62	(6)	15	(1)	65	(6)	220	(20)	162	(15)	248	(22)	71	(6)	69	(6)	0	(0)	1,112	(3.3)
B	7	(1)	14	(3)	14	(3)	41	(8)	79	(15)	38	(7)	0	(0)	7	(1)	51	(10)	4	(1)	199	(38)	24	(5)	47	(9)	1	(0)	526	(1.5)
C	7	(1)	7	(1)	20	(3)	27	(4)	18	(2)	94	(12)	0	(0)	109	(14)	129	(17)	34	(4)	228	(30)	48	(6)	50	(6)	0	(0)	771	(2.3)
D	18	(1)	17	(1)	84	(6)	46	(3)	78	(6)	123	(9)	4	(0)	67	(5)	255	(18)	72	(5)	461	(33)	113	(8)	63	(4)	1	(0)	1,402	(4.1)
E	27	(1)	103	(3)	1,418	(43)	115	(3)	237	(7)	112	(3)	8	(0)	71	(2)	265	(8)	97	(3)	626	(19)	135	(4)	110	(3)	0	(0)	3,324	(9.7)
F	13	(1)	10	(0)	940	(39)	67	(3)	36	(1)	150	(6)	1	(0)	132	(5)	215	(9)	7	(0)	686	(28)	39	(2)	102	(4)	13	(1)	2,411	(7.1)
G	0	(0)	0	(0)	5	(5)	0	(0)	0	(0)	16	(15)	0	(0)	0	(0)	43	(41)	2	(2)	19	(18)	11	(10)	10	(9)	0	(0)	106	(0.3)
H	12	(2)	11	(2)	13	(2)	12	(2)	104	(15)	26	(4)	0	(0)	4	(1)	92	(13)	29	(4)	84	(12)	53	(7)	268	(38)	6	(1)	714	(2.1)
I	17	(1)	11	(1)	761	(39)	54	(3)	104	(5)	99	(5)	3	(0)	80	(4)	161	(8)	100	(5)	334	(17)	92	(5)	98	(5)	13	(1)	1,927	(5.6)
J	8	(3)	14	(5)	4	(1)	12	(4)	71	(26)	14	(5)	1	(0)	0	(0)	29	(11)	5	(2)	87	(32)	4	(1)	26	(9)	0	(0)	275	(0.8)
K	29	(2)	127	(7)	576	(30)	25	(1)	242	(13)	102	(5)	8	(0)	34	(2)	190	(10)	121	(6)	296	(15)	75	(4)	96	(5)	0	(0)	1,921	(5.6)
L	2	(0)	6	(1)	32	(5)	31	(4)	23	(3)	40	(6)	0	(0)	66	(9)	131	(19)	3	(0)	315	(44)	26	(4)	33	(5)	0	(0)	708	(2.1)
M	3	(0)	13	(2)	35	(4)	37	(4)	53	(6)	55	(7)	2	(0)	81	(10)	120	(14)	75	(9)	242	(29)	53	(6)	66	(8)	6	(1)	841	(2.5)
N	9	(1)	19	(3)	268	(37)	14	(2)	20	(3)	31	(4)	3	(0)	22	(3)	109	(15)	25	(3)	143	(20)	33	(5)	30	(4)	0	(0)	726	(2.1)
O	1	(0)	3	(0)	1,096	(86)	4	(0)	9	(1)	11	(1)	0	(0)	8	(1)	0	(0)	12	(1)	100	(8)	0	(0)	6	(0)	27	(2)	1,277	(3.7)
P	17	(1)	105	(4)	1,032	(42)	29	(1)	116	(5)	128	(5)	11	(0)	52	(2)	239	(10)	62	(3)	468	(19)	124	(5)	58	(2)	0	(0)	2,441	(7.1)
Q	15	(1)	73	(6)	20	(2)	38	(3)	144	(12)	74	(6)	1	(0)	88	(7)	196	(16)	63	(5)	415	(33)	61	(5)	59	(5)	1	(0)	1,248	(3.7)
R	8	(1)	43	(3)	527	(34)	23	(1)	158	(10)	56	(4)	4	(0)	111	(7)	230	(15)	31	(2)	275	(18)	43	(3)	58	(4)	0	(0)	1,567	(4.6)
S	1	(0)	0	(0)	9	(2)	13	(3)	2	(0)	23	(6)	0	(0)	51	(12)	65	(16)	0	(0)	184	(45)	41	(10)	24	(6)	0	(0)	413	(1.2)
T	15	(2)	9	(1)	12	(1)	19	(2)	116	(13)	61	(7)	0	(0)	12	(1)	152	(16)	138	(15)	286	(31)	46	(5)	58	(6)	1	(0)	925	(2.7)
U	27	(3)	1	(0)	51	(6)	41	(5)	25	(3)	90	(11)	0	(0)	0	(0)	209	(25)	2	(0)	324	(39)	7	(1)	28	(3)	17	(2)	822	(2.4)
V	19	(1)	50	(2)	1,049	(44)	59	(2)	217	(9)	76	(3)	4	(0)	34	(1)	195	(8)	49	(2)	392	(16)	157	(7)	69	(3)	23	(1)	2,393	(7.0)
W	17	(1)	13	(1)	740	(46)	34	(2)	62	(4)	95	(6)	0	(0)	9	(1)	218	(14)	41	(3)	304	(19)	25	(2)	40	(3)	2	(0)	1,600	(4.7)
X	11	(1)	45	(3)	644	(38)	25	(1)	106	(6)	123	(7)	2	(0)	12	(1)	144	(9)	27	(2)	406	(24)	60	(4)	54	(3)	23	(1)	1,682	(4.9)
Y	7	(1)	24	(2)	31	(3)	15	(1)	59	(5)	98	(9)	5	(0)	240	(22)	133	(12)	43	(4)	331	(31)	56	(5)	42	(4)	0	(0)	1,084	(3.2)
Z	42	(2)	32	(2)	423	(22)	59	(3)	123	(6)	164	(8)	11	(1)	33	(2)	221	(11)	56	(3)	497	(25)	81	(4)	210	(11)	0	(0)	1,952	(5.7)
Total	346	(1.0)	768	(2.2)	9,837	(28.8)	882	(2.6)	2,295	(6.7)	1,961	(5.7)	83	(0.2)	1,388	(4.1)	4,012	(11.7)	1,260	(3.7)	7,950	(23.3)	1,478	(4.3)	1,774	(5.2)	134	(0.4)	34,168	

**Table 59 Individual child admissions by diagnostic group and readmission status, 2006 - 2008**

Diagnostic Group	Number of Admissions						Total	
	Single		Multiple (1 trust)		Multiple (2+ trusts)			
	n	%	n	%	n	%	n	%
Blood / lymphatic	248	(72)	80	(23)	18	(5)	346	(1.0)
Body wall and cavities	563	(73)	179	(23)	26	(3)	768	(2.2)
Cardiovascular	6,279	(64)	3,046	(31)	512	(5)	9,837	(28.8)
Endocrine / metabolic	726	(82)	117	(13)	39	(4)	882	(2.6)
Gastrointestinal	1,661	(72)	527	(23)	107	(5)	2,295	(6.7)
Infection	1,714	(87)	169	(9)	78	(4)	1,961	(5.7)
Missing	68	(51)	52	(39)	14	(10)	134	(0.4)
Multisystem	55	(66)	24	(29)	4	(5)	83	(0.2)
Musculoskeletal	1,108	(80)	248	(18)	32	(2)	1,388	(4.1)
Neurological	3,170	(79)	639	(16)	203	(5)	4,012	(11.7)
Oncology	915	(73)	304	(24)	41	(3)	1,260	(3.7)
Other	1,405	(79)	305	(17)	64	(4)	1,774	(5.2)
Respiratory	5,989	(75)	1,336	(17)	625	(8)	7,950	(23.3)
Trauma	1,355	(92)	93	(6)	30	(2)	1,478	(4.3)
<b>Total</b>	<b>25,256</b>	<b>(73.9)</b>	<b>7,119</b>	<b>(20.8)</b>	<b>1,793</b>	<b>(5.2)</b>	<b>34,168</b>	

**Table 60 Age specific prevalence (per 100,000 per year) for admission to paediatric intensive care in England and Wales, 2006 - 2008**

to paediatric intensive care in England and Wales, 2006 - 2008														
Sex	Age Group (Years)	Population	Prevalence Rates									2006-8 (95% CI)		
			2006 (95% CI)			2007 (95% CI)			2008 (95% CI)					
			Rate	Lower	Upper	Rate	Lower	Upper	Rate	Lower	Upper	Rate	Lower	Upper
Male	<1 year	345800	1085.6	1051.1	1120.1	1132.7	1097.5	1168	1109.9	1075	1144.8	1109.4	1089.3	1129.6
	1-4 years	1294800	163.6	156.6	170.5	176.5	169.2	183.7	170.1	163	177.2	170	165.9	174.1
	5-10 years	1883582	43.8	40.8	46.8	42.5	39.5	45.4	44	41	47	43.4	41.7	45.1
	11-15 years	1706567	53.6	50.1	57	58.2	54.6	61.8	57.7	54.1	61.3	56.5	54.4	58.5
Female	<1 year	328900	830	799	861	850.4	819	881.8	851.9	820.5	883.3	844.1	826.1	862.2
	1-4 years	1232900	135.6	129.1	142.1	140.5	133.9	147.1	147	140.2	153.7	141	137.2	144.8
	5-10 years	1801519	36.6	33.8	39.4	36.2	33.5	39	37.3	34.5	40.1	36.7	35.1	38.3
	11-15 years	1619264	50.7	47.2	54.2	55.4	51.8	59	55.7	52.1	59.3	53.9	51.9	56
Total		10213332	132.1	129.9	134.3	137.8	135.5	140.1	137.5	135.2	139.8	135.8	134.5	137.1

Populations for calculation of prevalence are taken from the Office of National Statistics mid-07 estimates; adjustments have been made to match PICANet age groups.

**Table 61 Age-sex standardised prevalence (per 100,000 per year) for admissions to paediatric intensive care by SHA in England and Wales, 2006 - 2008**

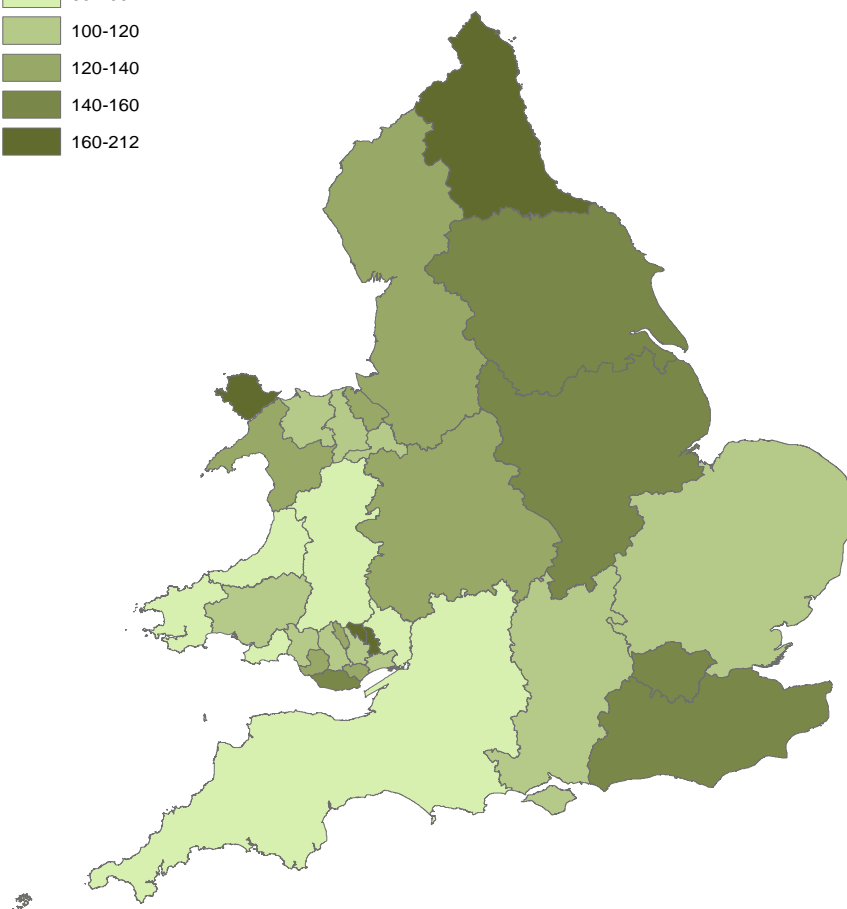
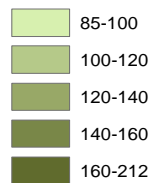
to paediatric intensive care by SHA in England and Wales, 2006 - 2008														
Country	SHA / HB	Population	Prevalence											
			2006 (95% CI)			2007 (95% CI)			2008 (95% CI)			2006 - 2008 (95% CI)		
			Rate	Lower	Upper	Rate	Lower	Upper	Rate	Lower	Upper	Rate	Lower	Upper
England	North East	464850	216.5	203	230	213.4	199.9	226.8	204.5	191.3	217.6	211.4	203.7	219.2
	North West	1307940	127.5	121.4	133.7	132.3	126	138.6	135.7	129.4	142	131.8	128.2	135.5
	Yorkshire and the Humber	975266	149.2	141.5	156.9	159.4	151.5	167.4	150.5	142.8	158.3	153	148.5	157.5
	East Midlands	817243	158.6	149.8	167.3	142.3	134.1	150.6	124.7	117	132.4	141.9	137.1	146.6
	West Midlands	1051157	129.8	122.9	136.7	134.7	127.6	141.7	136.3	129.3	143.4	133.6	129.6	137.7
	East of England	1078309	112.1	105.8	118.5	125	118.3	131.7	114.2	107.8	120.7	117.1	113.4	120.9
	London	1456871	139.1	133.3	144.8	157.9	151.8	164	165.3	159	171.5	154.1	150.6	157.6
	South East Coast	809235	144.9	136.5	153.3	141.6	133.3	149.9	157.3	148.5	166	147.9	143	152.8
	South Central	773301	103.9	96.7	111.1	108.6	101.2	115.9	110.8	103.3	118.2	107.8	103.5	112
	South West	922398	94.5	88	100.9	94.4	87.9	100.8	99	92.4	105.5	95.9	92.2	99.7
Wales	Monmouthshire	16480	93.8	44.3	143.3	100	49.1	150.8	102.9	52	153.7	98.9	69.8	127.7
	Gwynedd	21673	137.7	86.7	188.6	159.3	105	213.5	114.1	68.4	159.9	137	107.9	166.2
	Pembrokeshire	22133	84.7	44.3	125.2	82	42.8	121.2	132.1	81.3	182.9	99.6	74.3	124.4
	Ceredigion	12080	71	18.2	123.9	96.8	36.2	157.5	89.4	33.3	145.5	85.8	53	117.7
	Neath Port Talbot	25168	105.6	64.2	146.9	121.1	77.1	165.2	93.9	55.6	132.3	106.9	83	130.7
	Swansea	40466	83	54.7	111.3	87.5	58.5	116.4	93.1	63.2	123.1	87.9	71.1	104.5
	Conwy	19394	124.7	72.4	176.9	66.1	28.6	103.7	120.7	70.1	171.3	103.8	76.6	130.2
	Cardiff	59981	157	125.8	188.2	122.3	94.6	150	110.9	84.5	137.2	130.1	113.6	146.6
	Rhondda Cynon Taff Teaching	44785	80	53.5	106.5	140.4	105.6	175.3	100.5	70.9	130.1	107	89.3	124.5
	Anglesey	12365	136.5	70.2	202.8	156.7	84	229.5	192.6	112.2	272.9	161.9	119.5	203.6
	Caerphilly Teaching	34359	86.8	55.2	118.3	122.6	85.1	160	116.9	80.2	153.5	108.7	88.4	128.9
	Bridgend	25529	117.8	75.1	160.6	146.1	98.5	193.6	101.2	61.6	140.7	121.7	96.6	146.6
	Wrexham	24732	98.1	58.9	137.2	109.8	68.4	151.2	143	95.7	190.3	117	92.3	141.6
	Flintshire	28646	128.9	86.2	171.6	173.7	124.3	223.2	115.5	74.9	156.2	139.4	113.7	164.8
	Vale of Glamorgan	24630	161.8	110.3	213.4	110.5	67.2	153.9	153.3	101.3	205.3	141.9	113.5	169.5
	Cardiff Health	32999	97	62.3	131.7	92.5	58.9	126.2	144.4	102.3	186.5	111.3	89.9	132.4
	Merthyr Tydfil	10767	152.2	80.1	224.3	127	60.4	193.5	99.4	40.7	158.2	126.2	88	164.5
	Newport	28806	89	54.2	123.9	104.5	66.5	142.4	134.6	91.3	177.9	109.4	86.9	131.7
	Denbighshire	17538	100.6	51.3	150	125.8	70.8	180.8	96.8	49.3	144.4	107.8	78.4	136.7
	Blaenau Gwent	13103	138.7	67.8	209.5	237.2	145.6	328.8	123.9	56	191.8	166.6	121.8	211.1
	Torfaen	17578	137.5	80.1	194.8	175.7	110.8	240.5	191	123.9	258.1	168	131.5	204.3
		Powys Teaching	23550	63.2	29.8	96.6	102.2	57.3	147.1	131.2	80.5	181.8	98.9	73.7
Total		10213332	132.1	129.9	134.3	137.8	135.5	140.1	137.5	135.2	139.8	135.8	134.5	137.1

Populations for calculation of prevalence are taken from the Office of National Statistics mid-07 estimates; adjustments have been made to match PICANet age groups.

**Figure 61a Age-Sex standardised prevalence (per 100,000 per year) for admissions to paediatric intensive care by SHA in England and Wales, 2006-2008**

**Legend**

Age-sex standardised prevalence (per 100,000 per year)

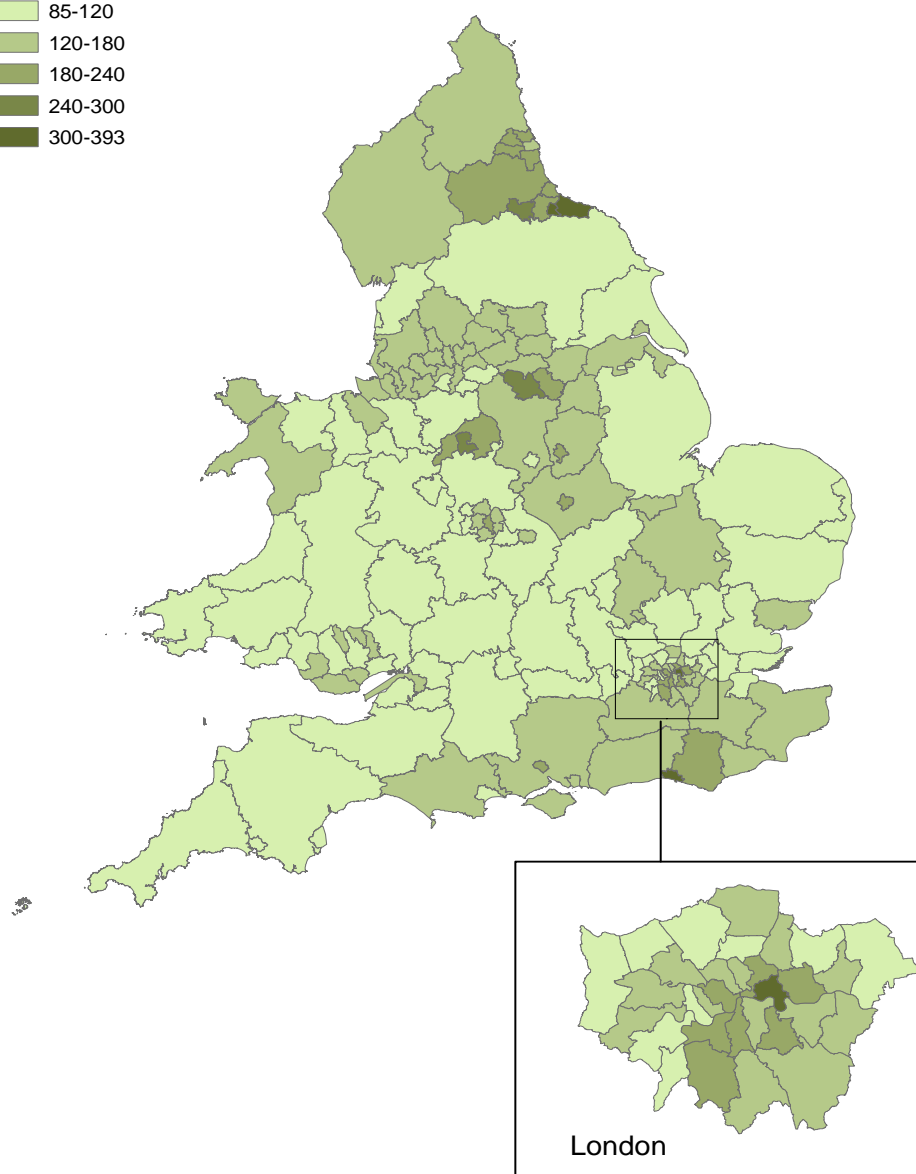
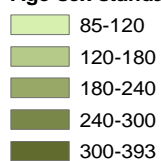


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**Figure 61b Age-Sex standardised prevalence (per 100,000 per year) for admissions to paediatric intensive care by PCO in England and Wales, 2006 - 2008**

**Legend**

Age-sex standardised prevalence (per 100,000 per year)



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**Table 62 Admission of children to AICUs by age and sex, England, 2005-7**

Table 02 Admission of Children to AICUs by age and sex, England, 2005-7											
Year	Sex	Age Group (years)								Total	
		<1		1-4		5-10		11-15			
		n	%	n	%	n	%	n	%	n	%
2005	Male	74	(19)	103	(27)	66	(17)	138	(36)	381	(55.9)
	Female	57	(19)	79	(26)	58	(19)	107	(36)	301	(44.1)
2005 Total		131	(19)	182	(27)	124	(19)	245	(19)	682	
2006	Male	80	(19)	100	(23)	74	(17)	177	(41)	431	(53.3)
	Female	63	(17)	86	(23)	68	(18)	161	(43)	378	(46.7)
2006 Total		143	(18)	186	(23)	142	(18)	338	(42)	809	
2007	Male	109	(23)	121	(26)	91	(19)	153	(32)	474	(56.3)
	Female	70	(19)	91	(25)	63	(17)	140	(38)	364	(43.2)
	Unknown	0		0		2	(50)	2	(50)	4	(0.5)
2007 Total		179	(21)	212	(25)	156	(19)	295	(35)	842	
Grand Total		453	(19.4)	580	(24.9)	422	(18.1)	878	(37.6)	2,333	

Source: Intensive Care National Audit Research Centre and the South West Audit of Critically Ill Children



**Table 63 Admission of children to AICUs by age and month of admission, England, 2005-7**

		Age Group (years)								Total	
		<1		1-4		5-10		11-15			
		n	%	n	%	n	%	n	%	n	%
2005	January	8	(13)	16	(25)	16	(25)	24	(38)	64	(9.4)
	February	6	(23)	14	(23)	7	(23)	23	(23)	50	(7.3)
	March	9	(21)	11	(26)	7	(16)	16	(37)	43	(6.3)
	April	6	(16)	9	(24)	3	(8)	19	(51)	37	(5.4)
	May	15	(22)	20	(29)	10	(15)	23	(34)	68	(10.0)
	June	11	(19)	10	(17)	13	(22)	24	(41)	58	(8.5)
	July	7	(16)	17	(39)	7	(16)	13	(30)	44	(6.5)
	August	10	(19)	13	(24)	12	(22)	19	(35)	54	(7.9)
	September	10	(15)	17	(25)	13	(19)	27	(40)	67	(9.8)
	October	9	(17)	19	(35)	15	(28)	11	(20)	54	(7.9)
	November	10	(16)	17	(27)	12	(19)	25	(39)	64	(9.4)
	December	30	(38)	19	(24)	9	(11)	21	(27)	79	(11.6)
2005 Total		131	(19.2)	182	(26.7)	124	(18.2)	245	(35.9)	682	
2006	January	11	(17)	17	(27)	10	(16)	26	(41)	64	(7.9)
	February	11	(17)	19	(29)	14	(21)	22	(33)	66	(8.2)
	March	4	(8)	11	(21)	11	(21)	27	(51)	53	(6.6)
	April	8	(13)	12	(20)	9	(15)	32	(52)	61	(7.5)
	May	10	(14)	20	(29)	8	(12)	31	(45)	69	(8.5)
	June	10	(13)	20	(25)	16	(20)	33	(42)	79	(9.8)
	July	9	(13)	13	(19)	14	(20)	34	(49)	70	(8.7)
	August	8	(13)	9	(14)	12	(19)	35	(55)	64	(7.9)
	September	12	(17)	14	(20)	13	(19)	31	(44)	70	(8.7)
	October	9	(16)	16	(29)	8	(15)	22	(40)	55	(6.8)
	November	24	(39)	14	(23)	8	(13)	16	(26)	62	(7.7)
	December	27	(28)	21	(22)	19	(20)	29	(30)	96	(11.9)
2006 Total		143	(17.7)	186	(23.0)	142	(17.6)	338	(41.8)	809	
2007	January	20	(25)	17	(22)	15	(19)	27	(34)	79	(9.4)
	February	22	(27)	20	(24)	14	(17)	26	(32)	82	(9.7)
	March	14	(18)	26	(33)	11	(14)	28	(35)	79	(9.4)
	April	19	(23)	20	(25)	10	(12)	32	(40)	81	(9.6)
	May	7	(10)	17	(24)	14	(20)	33	(46)	71	(8.4)
	June	11	(21)	19	(36)	9	(17)	14	(26)	53	(6.3)
	July	8	(15)	12	(23)	8	(15)	24	(46)	52	(6.2)
	August	8	(14)	9	(16)	17	(30)	23	(40)	57	(6.8)
	September	11	(19)	14	(25)	15	(26)	17	(30)	57	(6.8)
	October	12	(22)	12	(22)	10	(18)	21	(38)	55	(6.5)
	November	26	(27)	23	(23)	24	(24)	25	(26)	98	(11.6)
	December	21	(27)	23	(29)	9	(12)	25	(32)	78	(9.3)
2007 Total		179	(21.3)	212	(25.2)	156	(18.5)	295	(35.0)	842	100
Grand Total		453	(19.4)	580	(24.9)	422	(18.1)	878	(37.6)	2,333	

Source: Intensive Care National Audit Research Centre and the South West Audit of Critically Ill Children

Table 64 Admission of children to AICUs by age and diagnostic group, England, 2005-7

Table 64 Admission of children to A&Es by age and diagnostic group, England, 2005-7											
Year	Diagnostic group	Age group (years)								Total	
		<1		1-4		5-10		11-15			
		n	%	n	%	n	%	n	%	n	%
2005	Blood/lymphatic	0	(0)	0	(0)	0	(0)	2	(100)	2	(0.3)
	Body wall and cavities	0	(23)	0	(23)	0	(23)	1	(23)	1	(0.1)
	Cardiovascular	14	(56)	1	(4)	3	(12)	7	(28)	25	(3.7)
	Endocrine/metabolic	7	(21)	6	(18)	5	(15)	16	(47)	34	(5.0)
	Gastrointestinal	4	(13)	3	(10)	4	(13)	20	(65)	31	(4.5)
	Infection	9	(39)	6	(26)	2	(9)	6	(26)	23	(3.4)
	Musculoskeletal	2	(9)	0	(0)	4	(17)	17	(74)	23	(3.4)
	Neurological	35	(14)	89	(36)	53	(22)	69	(28)	246	(36.1)
	Oncology	4	(27)	3	(20)	2	(13)	6	(40)	15	(2.2)
	Respiratory	47	(27)	53	(30)	44	(25)	33	(19)	177	(26.0)
	Other	6	(11)	12	(21)	2	(4)	36	(64)	56	(8.2)
Trauma	3	(6)	9	(18)	5	(10)	32	(65)	49	(7.2)	
2005 Total		131	(19.2)	182	(26.7)	124	(18.2)	245	(35.9)	682	
2006	Blood/lymphatic	0	(0)	0	(0)	0	(0)	0	(0)	0	(0.0)
	Body wall and cavities	0	(0)	0	(0)	0	(0)	2	(100)	2	(0.2)
	Cardiovascular	18	(60)	4	(13)	0	(0)	8	(27)	30	(3.7)
	Endocrine/metabolic	2	(5)	8	(21)	9	(23)	20	(51)	39	(4.8)
	Gastrointestinal	10	(23)	3	(7)	9	(21)	21	(49)	43	(5.3)
	Infection	1	(5)	8	(38)	3	(14)	9	(43)	21	(2.6)
	Musculoskeletal	1	(2)	3	(7)	7	(16)	32	(74)	43	(5.3)
	Neurological	34	(14)	78	(32)	46	(19)	84	(35)	242	(29.9)
	Oncology	7	(47)	1	(7)	2	(13)	5	(33)	15	(1.9)
	Respiratory	55	(29)	51	(27)	33	(18)	48	(26)	187	(23.1)
	Other	9	(9)	18	(19)	14	(15)	54	(57)	95	(11.7)
Trauma	6	(7)	12	(13)	19	(21)	55	(60)	92	(11.4)	
2006 Total		143	(17.7)	186	(23.0)	142	(17.6)	338	(41.8)	809	
2007	Blood/lymph	2	(33.3)	1	(16.7)	1	(16.7)	2	(33.3)	6	(0.7)
	Body wall and cavities	2	(66.7)	0	(0.0)	0	(0.0)	1	(33.3)	3	(0.4)
	Cardiovascular	19	(51.4)	6	(16.2)	2	(5.4)	10	(27.0)	37	(4.4)
	Endocrine/Metabolic	1	(2.8)	5	(13.9)	10	(27.8)	20	(55.6)	36	(4.3)
	Gastrointestinal	5	(15.2)	3	(9.1)	6	(18.2)	19	(57.6)	33	(3.9)
	Infection	9	(25.0)	10	(27.8)	2	(5.6)	15	(41.7)	36	(4.3)
	Musculoskeletal	1	(3.0)	1	(3.0)	5	(15.2)	26	(78.8)	33	(3.9)
	Neurological	33	(13.4)	89	(36.2)	57	(23.2)	67	(27.2)	246	(29.2)
	Oncology	7	(29.2)	3	(12.5)	7	(29.2)	7	(29.2)	24	(2.9)
	Other	6	(9.8)	11	(18.0)	4	(6.6)	40	(65.6)	61	(7.2)
	Respiratory	89	(34.9)	71	(27.8)	51	(20.0)	44	(17.3)	255	(30.3)
Trauma	5	(6.9)	12	(16.7)	11	(15.3)	44	(61.1)	72	(8.6)	
2007 Total		179	(21.3)	212	(25.2)	156	(18.5)	295	(35.0)	842	(100.0)
Grand Total		453	(19.4)	580	(24.9)	422	(18.1)	878	(37.6)	2,333	

**Table 65 Mortality of children admitted to AICUs by age and diagnostic group, England, 2005-7**

Table 65 Mortality of children admitted to A&Cs by age and diagnostic group, England, 2005-7											
Year	Diagnostic group	Age group (years)								Total	
		<1		1-4		5-10		11-15			
		n	%	n	%	n	%	n	%	n	%
2005	Cardiac	0	(0)	0	(0)	1	(100)	0	(0)	1	(5.0)
	Endocrine/Metabolic	1	(23)	0	(23)	0	(23)	0	(23)	1	(5.0)
	Gastrointestinal	1	(100)	0	(0)	0	(0)	0	(0)	1	(5.0)
	Neurological	4	(36)	1	(9)	0	(0)	6	(55)	11	(55.0)
	Respiratory	2	(40)	0	(0)	1	(20)	2	(40)	5	(25.0)
	Trauma	0	(0)	0	(0)	0	(0)	1	(100)	1	(5.0)
2005 Total		8	(40.0)	1	(5.0)	2	(10.0)	9	(45.0)	20	
2006	Cardiac	3	(100)	0	(0)	0	(0)	0	(0)	3	(9.1)
	Endocrine/Metabolic	2	(40)	0	(0)	1	(20)	2	(40)	5	(15.2)
	Gastrointestinal	1	(100)	0	(0)	0	(0)	0	(0)	1	(3.0)
	Infection	0	(0)	1	(50)	0	(0)	1	(50)	2	(6.1)
	Neurological	0	(0)	2	(18)	3	(27)	6	(55)	11	(33.3)
	Respiratory	1	(20)	1	(20)	1	(20)	2	(40)	5	(15.2)
	Other	2	(50)	1	(25)	0	(0)	1	(25)	4	(12.1)
	Trauma	0	(0)	0	(0)	0	(0)	2	(100)	2	(6.1)
2006 Total		9	(27.3)	5	(15.2)	5	(15.2)	14	(42.4)	33	
2007	Cardiac	4	(100)	0	(0)	0	(0)	0	(0)	4	(9.5)
	Gastrointestinal	1	(33)	1	(33)	1	(33)	0	(0)	3	(7.1)
	Infection	2	(50)	1	(25)	0	(0)	1	(25)	4	(9.5)
	Neurological	2	(15)	5	(38)	2	(15)	4	(31)	13	(31.0)
	Oncology	2	(100)	0	(0)	0	(0)	0	(0)	2	(4.8)
	Respiratory	5	(50)	1	(10)	2	(20)	2	(20)	10	(23.8)
	Other	0	(0)	0	(0)	0	(0)	3	(100)	3	(7.1)
	Trauma	1	(33)	1	(33)	0	(0)	1	(33)	3	(7.1)
2007 Total		17	(40.5)	9	(21.4)	5	(11.9)	11	(26.2)	42	(100.0)
Grand Total		34	(35.8)	15	(15.8)	12	(12.6)	34	(35.8)	95	

Source: Intensive Care National Audit Research Centre and the South West Audit of Critically Ill Children

**Table 66 Discharge destination for children admitted to AICUs, England, 2005-7**

Year	Discharge destination	Total	
		n	%
2005	Discharged to PICU	271	(39.7)
	Discharged elsewhere	391	(57.3)
	Died	20	(2.9)
2005 Total		682	
2006	Discharged to PICU	298	(36.8)
	Discharged elsewhere	478	(59.1)
	Died	33	(4.1)
2006 Total		809	
2007	Discharged to PICU	218	(25.9)
	Discharged elsewhere	582	(69.1)
	Died	42	(5.0)
2007 Total		842	
Grand Total		2,333	

Source: Intensive Care National Audit Research Centre and the South West Audit of Critically Ill Children

**Table 67 Length of stay for surviving children admitted to AICUs, England, 2005-7**

Year		Age group (years)			
		<1	1-4	5-10	11-15
2005	Median length of stay	1	1	1	2
	Range (days)	1-4	1-5	1-6	1-25
2006	Median length of stay	2	1	2	2
	Range (days)	1-28	1-5	1-10	1-34
2007	Median length of stay	1	1	2	2
	Range (days)	1-38	1-7	1-14	1-18

Source: Intensive Care National Audit Research Centre and the South West Audit of Critically Ill Children

## 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	6	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 <sup>1</sup>	0	General
Great Ormond Street Hospital for Children NHS Trust	Great Ormond Street Hospital for Children	CCCU	14-16 <sup>2</sup>	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 <sup>3</sup>	Adult ICU providing General PICU
King's College Hospital NHS Trust	King's College Hospital	PICU	8 <sup>4</sup>	8	General & Hepatic & Neurosurgical
Leeds Teaching Hospitals NHS Trust	Leeds General Infirmary	Wards 2 & 4	17 <sup>5</sup>	0	General & Cardiac
	St. James's University Hospital	PICU	17 <sup>5</sup>	0	General
Newcastle Upon Tyne Hospitals NHS Foundation Trust	Newcastle General Hospital	PICU	10 <sup>6</sup>	6 <sup>6</sup>	General

<b>NHS Trust</b>	<b>Participating Hospital</b>	<b>Unit / Ward</b>	<b>Number of ITU beds</b>	<b>Number of HDU beds</b>	<b>Type of unit</b>
Newcastle Upon Tyne Hospitals NHS Foundation Trust (cont)	Royal Victoria Infirmary	Ward 3			Surgical ICU
	Freeman Hospital	PICU Freeman	8 <sup>7</sup>	2 <sup>8</sup>	Cardiothoracic surgery & ECMO Orthopaedics and ENT
NHS Lothian – University Hospitals Division	Royal Hospital for Sick Children, Edinburgh	PICU	8	6 <sup>9</sup> + 3NN	General (plus neurosurgical and spinal)
NHS Greater Glasgow and Clyde – Women and Children’s Division	Royal Hospital for Sick Children, Yorkhill	PICU	16 <sup>10</sup>	10	General, Cardiac & ECMO
Oxford Radcliffe Hospitals NHS Trust	The John Radcliffe Hospital	PICU	7	4	General & Cardiac
Nottingham University Hospitals NHS Trust	Queen’s Medical Centre	PICU	6	4	General (plus regional neurosurgical, spinal and cleft lip & palate services)
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	PCCU	10	9	General
	Sheffield Children’s Hospital	Neonatal Surgical Unit	2	0	Neonatal Surgical Unit
Southampton University Hospitals NHS Trust	Southampton General Hospital	PICU	11	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	8 <sup>11</sup>	0	General, Neurosurgical, Oncology & Paediatric Surgery
St. Mary’s NHS Trust	St. Mary’s Hospital	PICU	8	2	General
The Lewisham Hospital NHS Trust	University Hospital, Lewisham	PICU	1	2 <sup>12</sup>	General & Surgery
The Royal Group of Hospitals and Dental Hospital HSS Trust	Royal Belfast Hospital for Sick Children	PICU	7 <sup>13</sup>	0	General

NHS Trust	Participating Hospital	Unit / Ward	Number of ITU beds	Number of HDU beds	Type of unit
University Hospitals Bristol NHS Foundation Trust	Bristol Royal Hospital for Children	PICU	14 <sup>14</sup>	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 Currently correct but likely increase in beds from June 09

2 The actual figure depends on the number of ECMO patients and HDU patients.

3 With capacity to ventilate two patients on the Adult ICU.

4 increased from 6 ITU beds from July 08

5 Nurses / beds used flexibly across the sites.

6 Total bed numbers split between two hospital sites.

7 Increasing to 10 beds

8 2 beds available on ward 23 depending on PICU

9 ITU/HDU beds used flexibly

10 Staffing covers only 14 ICU beds and 6 HDU beds, however sometimes peak to 16 ICU and 10 HDU.

11 Total capacity 8 beds used flexibly including 5 designated PICU beds

12 Flexed by a further 2 beds to support winter pressures.

13 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.

14 This change in bed complement (ie from 13 to 14 beds) was effective as of 1<sup>st</sup> 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 Alder Hey Hospital	2002 - present
Ms Corenna Bowers	Sister	Cardiff & Vale NHS Trust University Hospital of Wales	2002 - 2004
Dr Anthony Chisakuta	Lead Clinician	The Royal Group of Hospitals & Dental Hospital HSS Trust Royal Belfast Hospital for Sick Children	2008 - present
Kathryn Claydon - Smith	Research Practitioner	Central Manchester & Manchester Children's University Hospitals NHS Trust Royal Manchester Children's Hospital	2009 - present
Dr Gillian Colville	Consultant Clinical Psychologist	St George's Healthcare NHS Trust St Georges Hospital, London	2009 - present
Dr Peter Davis	Consultant in Paediatric Intensive Care	University Hospitals Bristol NHS Foundation Trust Bristol Royal Hospital for Children	2006 - present
Dr Andrew Durward	Consultant in Paediatric Intensive Care	Guy's & St Thomas' NHS Foundation Trust Evelina Children's Hospital	2002 - present
Ms Georgina Gymer	Research Nurse	Nottingham University Hospitals NHS Trust Queen's Medical Centre	2005 - 2006
Dr James Fraser	Consultant in Paediatric Intensive Care	United Bristol Healthcare NHS Trust Bristol Royal Hospital for Children	2002 – 2006
Dr Hilary Klonin	Consultant in Paediatric Intensive Care	Hull & East Yorkshire Hospitals NHS Trust Hull Royal Infirmary	2002 - present
Helen Laing	Contracts and Commissioning Manager	Healthcare Quality and Improvement Partnership (HQIP)	2008 - present
Ms Christine Mackerness	Sister	Newcastle Upon Tyne Hospitals NHS Foundation Trust Newcastle General Hospital	2002 - present
Ms Tina McClelland	Audit Sister	Royal Liverpool Children's NHS Trust Alder Hey Hospital	2006 - present
Dr Jillian McFadzean	Consultant in Paediatric Intensive Care	NHS Lothian – University Hospitals Division Edinburgh Royal Hospital for Sick Children	2005 - present

Elizabeth McKinty	Sister	The Royal Group of Hospitals and Dental Hospital HHS Trust Royal Belfast Hospital for Sick Children	2008 - present
Ms Victoria McLaughlin	Audit Nurse	Central Manchester & Manchester Children's University Hospitals NHS Trust Royal Manchester Children's Hospital	2002 - 2007
Dr Roddy O'Donnell	Consultant in Paediatric Intensive Care	Cambridge University Hospitals NHS Foundation Trust Addenbrooke's Hospital	2002 - present
Ms Geralyn Oldham	Information Support Manager	Great Ormond Street Hospital for Children NHS Trust Great Ormond Street Hospital for Sick Children	2002 - present
Dr Gale Pearson (Chair)	Consultant in Paediatric Intensive Care	Birmingham Children's Hospital NHS Trust Birmingham Children's Hospital	2002 - present
Dr Damian Pryor	Consultant in Paediatric Intensive Care	Cardiff & Vale NHS Trust University Hospital of Wales	2002 - 2004
Ms Chloe Rishton	CHiP Nurse	Central Manchester & Manchester Children's University Hospitals NHS Trust Royal Manchester Children's Hospital	2008 - present
Dr Allan Wardhaugh	Consultant in Paediatric Intensive Care	Cardiff & Vale NHS Trust University Hospital of Wales	2004 - present
Ms Debbie White	Sister	Cambridge University Hospitals NHS Foundation Trust 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 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 Newcastle General Hospital PICU	Clinical IT	2002 - 2003
Dr Anthony Chisakuta	Lead Clinician	The Royal Group of Hospitals and Dental Hospital HSS Trust Royal Belfast Hospital for Sick Children	Northern Ireland	2008 - present
Dr Mark Darowski	Consultant Paediatric Anaesthetist	Leeds Teaching Hospitals NHS Trust Leeds General Infirmary PICU	Royal College of Anaesthetists	2002 - present
Mr Noel Durkin	Department of Health	Child Health Services Directorate	Department of Health	2002 – 2007
Dr Ian Jenkins	Consultant in Paediatric Intensive Care	United Bristol Healthcare NHS Trust Bristol Royal Hospital for Children PICU	Chair of Paediatric Intensive Care Society	2006 - present
Dr Steve Kerr	Consultant in Paediatric Intensive Care	Royal Liverpool Children's NHS Trust Alder Hey Hospital PICU	Chair of Paediatric Intensive Care Society	2003 - 2007
Ms Helen Laing	Contracts and Commissioning Manager	Healthcare Quality and Improvement Partnership (HQIP)		2004 - present
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 Southampton General Hospital PICU	Royal College of Paediatrics and Child Health	2002 - present
Dr Jillian McFadzean /	Consultant in Anaesthesia & Intensive Care / PA	NHS Lothian – University Hospitals Division	Edinburgh Royal Hospital for Sick Children	2005 - present

Name	Position	Organisation	Representation	Period Served
Ms Laura Reekie		Edinburgh Royal Hospital for Sick Children		
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 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 University of Sheffield	Health Services Research / Statistics	2002 - 2006
Dr Gale Pearson	Consultant in Paediatric Intensive Care	Birmingham Children's Hospital NHS Trust Birmingham Children's Hospital PICU	Chair of PICANet CAG	2002 - present
Dr Mark Peters	Clinical Unit Chair	Great Ormond Street Hospital for Children NHS Trust Great Ormond Street Hospital, London	Chair of Paediatric Intensive Care Society Study Group	2008 - present
Ms Tanya Ralph	Nursing Research Lead	Sheffield Children's NHS Foundation Trust Sheffield Children's Hospital PICU	PICS	2002 - 2006
Dr Kathy Rowan/ Lucy Lloyd Scott	Director / Casemix Programme Manager	ICNARC	Intensive Care National Audit & Research Centre	2002 - present
Mr Stuart Rowe	PCT Commissioner	Commissioning Department 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 Intensive Care	Sheffield Children's NHS Foundation Trust Sheffield Children's Hospital PICU	Paediatric Intensive Care Society	2002 - 2006
Professor Stuart Tanner	Medical Advisor in Paediatrics and Child Health	Child Health Services Directorate Department of Health	Department of Health	2003 - 2006
Dr Robert Tasker	Lecturer in Paediatrics	Department of Paediatrics University of Cambridge Clinical School	Paediatric Intensive Care Society Study Group	2004 - 2008
Dr Edward Wozniak	Medical Advisor in Paediatrics and Child Health	Child Health Services Directorate 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 Department of Paediatric Allergy, St Mary's Hospital, London	<b>ASTHMA STUDY</b> 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 – Bristol, Southampton, Guys, Georges, GOS, Brompton, St Mary's, Leicester, Cambridge, Manchester, Alder Hey, Cardiff, Sheffield, Nottingham*, North Staffs*. (* - final approval to recruit not yet obtained). 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, Leeds Teaching Hospitals Trust	<b>LEEDS SMRs</b> 1. SMR for each of the 3 elements of our service (as up-to-date as possible). 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, Sheffield Children's Hospital	<b>PREVALENCE RATES OF ADMISSION</b> 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, Care, St Mary's Hospital London	<b>RSV STUDY</b> 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	Consultant in Paediatric	<b>NORTH STAFFS ADMISSIONS</b>	Completed

Request date	Name	Position & Place of work	Information requested	Status
	Magnay	Intensive Care, Care, University of North Staffordshire NHS Trust	<p>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:</p> <p>1. Number of Admissions by PCT during report time window.</p> <p>2.a. Number of episodes which completed (=discharge or death) during the report time window by PCT, and</p> <p>b. Number of days of PICU care associated with these discharges/ deaths by PCT;</p> <p>3. Number of admissions by Health authority;</p> <p>4. a. Number of episodes which completed (=discharge or death) during the report time window by Health Authority and</p> <p>b. Number of days of PICU care associated with these discharges / deaths by Health Authority</p>	
30/11/2004	Ulf Theilen	Locum Consultant, Royal Hospital for Sick Children, Edinburgh	<p><b>PERTUSSIS</b></p> <p>Number of admissions to PICUs in 2003 and 2004 with diagnosis pertussis</p> <p>Number of deaths of these children</p> <p>Of these children, age at time of death</p> <p>Use of inotropes (yes/no)</p> <p>Level of max. mean airway pressure (if available)</p>	Completed
07/12/2004	Mark Campbell	SHO, Anaesthetics, Derriford Hospital, Plymouth	<p><b>TEENAGERS IN PICU</b></p> <p>Epidemiology of critical care in teenagers:-</p> <p>A) % and numbers of admissions of 13 to 19 year olds (inclusive)</p> <p>B) diagnostic case-mix by broad category</p> <p>C) male:female ratio</p> <p>D) length of stay and invasive or non-invasive ventilation (mean, median and IQR please)</p> <p>E) outcome</p>	Rejected

Request date	Name	Position & Place of work	Information requested	Status
			F) Could we have the same figures for those admitted from another hospital or from an intensive care unit	
23/12/2004	Roz Jones	Specialised Services Commissioning Manager, Specialised Services Commissioning Team, Cheshire West PCT	<b>NORTH WEST RSV</b> 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, Bristol Royal Hospital for Children	<b>BURNS STUDY</b> All children admitted to PICUs in UK with burns. Breakdown of numbers per unit, with identification of units if possible First portion of postcode to identify geographical location of home address of all PICU burn admissions	Completed (without unit identification)
27/01/2005	Andrew Gill	Senior Casemix Consultant NHS Information Authority	<b>NHSIA STUDY</b> Full PICANet dataset	PICANet has written a software utility to enable PICUs to provide data from local PICANet databases
19/04/2005	Sophie Lusby	Project Manager - Children's Services Barts and the London NHS Trust	<b>NORTH EAST LONDON REQUEST</b> For North East London residents ONLY, for 2003/4 and 2004/5 as far as possible and all queries split by period: How many children treated in PIC? Numbers/percentages by sex Numbers/percentages by age, splitting the ages into under 28 days, under 1 year, under 2 years, and above What were the diagnoses of these children on admission?	Completed

Request date	Name	Position & Place of work	Information requested	Status
			<p>(numbers/percentages of different diagnoses)</p> <p>And of these please specify single/multi system failure (numbers/percentages of either)</p> <p>Length of stay, in hours</p> <p>Length of intubation, in hours (if not intubated please specify also)</p> <p>Name of treating PIC (numbers and percentages)</p> <p>LESS IMPORTANTLY BUT STILL REQUISITE:</p> <p>Numbers by age, as above, but also 2-5 yrs, 5-10, 10 and above</p> <p>Retrieval/Transfer – type</p> <p>Other reasons for admission</p> <p>Co-morbidities</p> <p>Discharge destination</p> <p>Diagnosis on discharge</p> <p>Any information on readmission</p>	
29/05/2005	Simon Nadel	Consultant in Paediatric Intensive Care, St Mary's Hospital, London	<p><b>SEPSIS STUDY</b></p> <p>#The numbers of children admitted to PICUs with a primary or secondary diagnosis of sepsis.</p> <p>Is this community or nosocomially acquired?</p> <p>What is the proportion of underlying co-morbidity?</p> <p>What is the age spread?</p> <p>Do you have information about aetiology (ie infecting organisms)?</p> <p>How many children with “other” diagnoses (ie respiratory / neurological) have a primary infectious cause of PICU admission?</p> <p>What is the outcome?</p>	Pending



Request date	Name	Position & Place of work	Information requested	Status
13/06/2005	Stuart Rowe	Lead Commissioner - Pan Thames, Hammersmith and Fulham PCT	<p><b>PAN THAMES COMMISSIONERS' REQUEST</b></p> <p>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).</p> <p>DATA BY YEAR AND BY SHA</p> <p>PICU admissions by month</p> <p>PICU admissions by gender</p> <p>PICU admissions by age:</p> <p>Age groups: ≤28 days, 29 days to &lt;1 year, 1 to &lt;2 years, 2 to &lt;5 years, 5 to &lt;10 years, 10 years plus.</p> <p>PICU admissions by diagnosis on admission.</p> <p>Diagnostic groups: Accidents &amp; poisoning, Blood/lymphatic, Cardiovascular, Congenital, Endocrine/metabolic, Gastrointestinal, Infection, Musculoskeletal, Neurological, Oncology, Perinatal, Respiratory, Trauma, Urological, Other.</p> <p>PICU admissions by intervention received:</p> <p>Invasive ventilation, Non-invasive ventilation, ECMO, IV vasoactive drug therapy, LVAD, ICP device, Renal support.</p> <p>PICU admissions by length of stay</p> <p>In hours: &lt;1, 1 to &lt;4, 4 to &lt;12, 12 to &lt;24, 24 plus.</p> <p>In days: &lt;1, 1 to &lt;3, 3 to &lt;7, 7 to &lt;14, 14 to &lt;28, 28 plus.</p> <p>PICU admissions by days of invasive ventilation</p> <p>In days: &lt;1, 1 to 2, 3 to 5, 6 to 10, 11 plus.</p> <p>PICU admissions by unit discharge status</p> <p>Status: Alive or dead.</p> <p>PICU admissions by unit discharge destination</p> <p>Destination groups: Home, Same hospital, Other hospital.</p> <p>Number of retrievals by team type</p>	Completed

Request date	Name	Position & Place of work	Information requested	Status
			<p>Team type: Own team, Other specialist team (PICU), Other specialist team (non-PICU), Non-specialist team.</p> <p>The above can all be done by month for an aggregated Pan Thames dataset.</p> <p>UNIT LEVEL DATA BY YEAR AND BY PCT</p> <p>PICU admissions by treating unit (*anonymised until agreement received).</p> <p>*Responsibility of Pan Thames to gain agreement from lead clinician.</p> <p>The above can all be done by month for an aggregated Pan Thames dataset.</p>	
13/06/2005	Stuart Rowe	Lead Commissioner - Pan Thames, Hammersmith and Fulham PCT	<p><b>SUPPLEMENTARY REQUEST:</b></p> <p>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).</p> <p>DATA BY YEAR AND BY SHA</p> <p>Number of retrievals by primary diagnostic group</p> <p>Diagnostic groups: Accidents &amp; poisoning, Blood/lymphatic, Cardiovascular, Congenital, Endocrine/metabolic, Gastrointestinal, Infection, Musculoskeletal, Neurological, Oncology, Perinatal, Respiratory, Trauma, Urological, Other</p> <p>? More details for neurological</p> <p>LTV patients</p> <p>? Define LTV</p> <p>? Data</p> <p>? Ethnicity / Mortality / Illness severity</p>	Completed
21/06/2005	Noel Durkin	Child Health Services Directorate, Department of Health	<p><b>CASELOAD PRESSURES</b></p> <p>Department of Health provided their draft '<b>National Paediatric Intensive Care Capacity Stocktake</b>' proforma and requested PICANet completed the data fields where possible. (Data was requested for 2001 - 2005).</p>	Completed

Request date	Name	Position & Place of work	Information requested	Status
			1. Current bed numbers by unit (separated by High Dependency and Intensive Care). 2. Number of these beds which are currently fully staffed and at what WTE per bed. 3. Information on current workload by unit (including number of patients admitted and their average length of stay). 4. Any information on refusals. 5. Number of retrievals by unit. 6. Average bed occupancy by unit and further separated by High Dependency and Intensive Care.	
29/07/2005	Duncan Macrae	PICU Director, Royal Brompton Hospital	<b>GLYCAEMIA CONTROL INTERVENTION TRIAL</b> Numbers of admissions of children invasively ventilated Numbers given inotropes Whether they received cardiac surgery or not Length of stay Mortality at discharge.	Completed
03/08/2005	Kevin Morris	Consultant in PICU, Birmingham Children's Hospital	<b>WEST MIDLANDS BURNS</b> Numbers, severity (%), length of stay, mortality (and time to death).	Completed
16/08/2005	Kevin Morris	Consultant in PICU, Birmingham Children's Hospital	<b>NEURO MONITORING</b> 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	<b>SOUTHAMPTON RESPIRATORY</b> Number of patients admitted with a respiratory diagnosis. This information divided into bronchiolitis / asthma / pneumonia. We need to then divide the patients into those over one year old and those under one year old	Completed

Request date	Name	Position & Place of work	Information requested	Status
06/10/2005	David Cremonesini	Registrar, John Radcliffe Hospital, Oxford	<b>OXFORD NIV</b> All children admitted to the PICU in Oxford who have received non-invasive ventilation: Admission number Casenote number Name DOB Admission date Discharge status Discharge date Non-invasive ventilation Number of days of non-invasive ventilation Invasive ventilation Number of days of invasive ventilation (if applicable) Tracheostomy Primary diagnosis	Completed
10/10/2005	Sophie Lusby	Project Manager - Children's Services Barts and the London NHS Trust	<b>SUPPLEMENTARY REQUEST</b> Supplementary data to that in the report recently provided. Split LOS into <24 hrs, 24 to <48 hrs, 48 hrs plus Look at number of days ventilated Look at diagnosis	Completed
20/10/2005	Zoey Taylor	Audit Clerk, University Hospital of Wales	<b>CARDIFF MENINGITIS</b> 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	<b>BRISTOL CPR</b> Numbers of both in-hospital and out-of hospital arrests for 2003-4 admitted to	Completed

Request date	Name	Position & Place of work	Information requested	Status
		Hospital for Children	PICU, their ages, admission diagnosis and their ultimate outcome (survival / non-survival). Also their pupillary reaction.	
11/11/2005	Mark Darowski	Clinical Director, Leeds Teaching Hospitals Trust	<p><b>LEEDS BED PLANNING STUDY</b></p> <p><b>Data request from SOAPS for PICU data</b></p> <p>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.</p> <p>2. Patient flows.</p> <p>a. For each PCT within our area, identify all patients requiring PIC care and the units in which they received it.</p> <p>b. For all patients admitted to Leeds/Hull PICU, identify source PCT.</p> <p>3. Beds days. Total beds occupied per annum and on each day, aggregated by PCT and by commissioning area.</p> <p>a. Excluding long term ventilated patients (at various levels), therefore excluding patients who have been ventilated for</p> <p>i. &gt; 3/12</p> <p>ii. &gt; 6/12</p> <p>iii. &gt; 9/12</p> <p>b. Excluding high dependency patients (those who have never been ventilated during their PICU stay)</p> <p>Calculate funded beds per 100,000 population.</p> <p>Calculate funded beds per 100,000 population, weighted for socio-economic deprivation. 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.</p> <p>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. Plot number of children on PICU by day against max number of commissioned beds, nationally and for each commissioning region. Plan</p>	Completed

Request date	Name	Position & Place of work	Information requested	Status
			services.	
01/12/2005	Tim Martland	Consultant Paediatric Neurologist, Royal Manchester Children's Hospital	<b>STATUS EPILEPTICUS STUDY</b>  PICANet data for children admitted with Status epilepticus (please specify:.....) 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	<b>TRENT BED OCCUPANCY</b>  More information on the bed days in Nottingham (QMC), Sheffield and Leicester, particularly the split in Sheffield between PIC and neonatal surgery beds.	Completed
08/12/2005	Parviz Habibi	Consultant, St Mary's Hospital	<b>BRONCHIOLITIS - MORTALITY</b>  Annual death rate from bronchiolitis 2004	Completed
08/12/2005	Nadeem Moghal	Consultant Paediatric Intensive Care, Nephrology, RVI Newcastle	<b>RENAL FAILURE</b>  Epidemiology of acute renal failure in PICU setting, nationally – CVVH, HD, PD etc	Completed
12/01/2006	Nour Hassan	Clinical Fellow, Newcastle General Hospital	<b>NGH RVI ONCOLOGY</b>  The following information on oncology admissions to NGH and the RVI: Non-invasive ventilation: Yes/No (if yes, number of days) Invasive ventilation: Yes/No (if yes, number of days) Inotropes: Yes/No	Completed
16/01/2006	Sian Thomas	Project Manager, Welsh Assembly Government	<b>WELSH TBI</b>  Admissions to PICU (outside Cardiff) with a Welsh postcode, aged under 16 years with a primary diagnosis of traumatic brain injury.  Time period: June 2003 – May 2005	Completed

Request date	Name	Position & Place of work	Information requested	Status
01/03/2006	James Fraser	Consultant in Paediatric Intensive Care, Bristol Children's Hospital	<b>PICU ACTIVITY</b> The number of admissions and number of bed days by PCT (a) for Bristol admissions and (b) for all PICU admissions	Completed
05/06/2006	Cornelia Junghans	Epidemiologist & Research Fellow, UCL medical School	<b>NEL PATIENTS STUDY</b> For all patients in the NEL sector: 1. Individual Townsend score 2. Ethnicity obtained by name programme 3. Age in months 4. Survival in months 5. Primary diagnosis by diagnostic group	Completed
07/06/2006	James McLean	Matron, Leicester PICU Services	<b>CICU ADMISSIONS</b> All admissions to LRI CICU, with breakdown of level of dependency	Rejected
08/06/2006	Samy Subramaniam	Deputy Manager, Department of Health, Wellington House	<b>COSTINGS</b>  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	<b>ONCOLOGY STUDY</b>  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	Completed

Request date	Name	Position & Place of work	Information requested	Status
			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.	
27/06/2006	Peter Davis	Consultant Paediatric Intensivist, Bristol Royal Hospital for Children	<p><b>SOUTHWEST AUDIT OF CRITICALLY ILL CHILDREN</b></p> <p>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.</p> <p>Information required:</p> <p>PICU (NHS Trust) admitted (code);</p> <p>First 3-4 characters of postcode (e.g. BS16);</p> <p>Date of admission;</p> <p>Age;</p> <p>Elective or non-elective admission;</p> <p>Retrieval type (if appropriate);</p> <p>Primary diagnosis (+ read code);</p> <p>Length of stay;</p> <p>Discharge outcome</p>	Completed
11/07/2006	Tina McClelland	Audit Nurse, PICU, Alder Hey, Liverpool	<p><b>SMR STUDY</b></p> <p>The SMR for Alder Hey is high. Would like to investigate possible reasons for this.</p> <p>Require:</p> <ol style="list-style-type: none"> <li>1. Total deaths, ventilation rate, mortality rate and PIM predicted SMR by year (2003, 2004, 2005)</li> <li>2. Exclude patients who were dead on admission</li> <li>3. Look at whether the SMRs might be related to missing PIM data: reanalyze</li> </ol>	Completed



Request date	Name	Position & Place of work	Information requested	Status
			<p>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)</p> <p>4. Also start to look at whether the SMRs might be related to the case-mix seen at Alder Hey.</p>	
30/07/2006	David Pedley	Consultant in Emergency Medicine, James Cook University Hospital	<p><b>LEVEL OF CARE</b></p> <p>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.</p> <p>I was hoping to use levels of care defined by Rosenberg et als in the following paper.</p> <p>Rosenberg etal (Guidelines and levels of care for pediatric intensive care units) Crit Care Med 2004 vol.32 no10.</p> <p>If this is not the classification used by your database is there a UK equivalent and could you supply these criteria?</p>	Rejected
01/08/2006	Heather Titcombe	Specialist Commissioner for Children's Tertiary Services, Jubilee House, South Central SHA, Oxford (host South West SHA)	<p><b>SOUTH WEST</b></p> <p>I would like the following :</p> <p>1. The total number of bed days and the percentage paediatric specialty split, for the following hospitals, using the DH Clinical Terminology Coding System :</p> <ul style="list-style-type: none"> <li>- United Bristol Hospital Trust</li> <li>- Bristol Royal Infirmary</li> <li>- Oxford Radcliffe</li> <li>- Southampton General</li> </ul> <p>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</p>	Completed

Request date	Name	Position & Place of work	Information requested	Status
			up?	
17/08/2006	Noel Durkin	Department of Health	<b>CARDIAC</b> Essentially we are looking for the following data - activity by cardiac procedure code - broken down by new PCT (if possible) but more importantly by known paediatric cardiac centre - broken down also by age groups (Neonates [1-30 days], infants [31 -365 days], children [1 -16], adult [16+]) - in a form which will enable us to look at patient flows to known centres, including for specific conditions - most recent data available 2004 and 2005 (and 2006 if available).	Completed
19/09/2006	Richard Appleton & Tim Martland	Consultant Paediatric Neurologists	<b>REFRACTORY CONVULSIVE STATUS EPILEPTICUS</b>  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	<b>SHEFFIELD OCCUPANCY/IV</b> 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) AND	Completed

Request date	Name	Position & Place of work	Information requested	Status
			<p>The total number of calendar days that patients were occupying beds, again from 01.01.05 until 31.12.05 inclusive.</p> <p>' 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.</p>	
05/10/2006	David Cremonesini	Respiratory Paeds SpR, John Radcliffe Hospital, Oxford	<p><b>EMPYEMA</b></p> <p>Incidence of empyema in children admitted to PICU in UK over the past years since PICANet started</p>	Pending
09/10/2006	Reinout Mildner	Consultant Paediatric Intensivist, Birmingham Children's Hospital	<p><b>BIRMINGHAM DATA</b></p> <p>For as many years as you have data available:</p> <ol style="list-style-type: none"> <li>1. Bed days at BCH for children with WM postcode</li> <li>2. Interventions at BCH children with WM postcode</li> <li>3. PIM data at BCH children with a WM postcode</li> </ol> <p>Then again but for any PICU</p> <ol style="list-style-type: none"> <li>4. Bed days at any PICU for children with WM postcode</li> <li>5. Interventions at any PICU children with WM postcode</li> <li>6. PIM data at any PICU children with a WM postcode</li> </ol>	Completed
09/10/2006	Reinout Mildner	Consultant Paediatric Intensivist, Birmingham Children's Hospital	<p><b>WEST MIDLANDS PATIENTS ADMISSIONS OUTSIDE WM</b></p> <p>For as many years as you have available:</p> <p>Any acute admissions to any UK PICU outside the West Midlands region of patients with a West Midlands postcode.</p> <p>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.</p>	Completed

Request date	Name	Position & Place of work	Information requested	Status
22/11/2006	David Inwald	Consultant in PICU, St Mary's Hospital	<b>ST MARY'S ADMISSIONS</b> Admissions 1. Total Admissions (November 05- November 06) 2. Total intubated 3. Percentage with an endotracheal tube receiving ventilation 4. for up to 6 hours 5. more than 6 hours up to 12 hours 6. More than 12 hours 7. Total retrieved 8. Total presenting from A&E 9. Total post-surgery by specialiy 10. Total numbers according to types of medical conditions 11. Breakdown of patient numbers according to age a. Preterm - please give numbers and specific gestational ages b. Birth to 30 days c. 31 days to one year d. > 1 year to 2 years e. > 1 year to 2 years f. > 2 years to 5 years g. > 5 years to 10 years h. >10 years to 15 years i. > 15 years to 18 years j. > 18 years 12. Mean length of PICU admission (nights) 13. Median length of PICU admission (nights) Outcome:	Completed

Request date	Name	Position & Place of work	Information requested	Status
			14. Mortality (total number) 15. Mortality (percentage of total admissions)	
27/11/2006	Robert Tasker & Mike Sharland	Consultant PICU, Addenbrooke's & Consultant in Paediatric Infectious Disease, St George's	<b>BACTERAEemia</b>  Admission information PIM data Interventions Discharge information Ethnic category	Pending
30/11/2006	Melanie Maxwell	Consultant in Public Health Medicine, Wirral NHS Trust	<b>NORTH WEST DATA</b>  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:  The median age with the interquartile ranges  The data are very skewed and there are concerns that changing patterns are being obscured.  The total bed days by month  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.  PIMs score - numbers in score group by age group numbers in score group by admission type numbers in score group by discharge status  There appears to be a significant difference to this between the two units that we would like to explore further.	Completed

Request date	Name	Position & Place of work	Information requested	Status
			<p>LOS data - mean, median and ranges by age group and admission type</p> <p>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.</p> <p>Discharge status by admission type</p> <p>To further explore the changes in crude death rate over time</p> <p>Diagnostic group by admission type</p> <p>To further explore the differences in casemix between the two units</p> <p>For 2003-2005, annually can you state:</p> <p>How many North West residents were admitted to a unit outside the North West?</p> <p>Numbers</p> <p>Total bed days</p> <p>Admissions by Diagnostic groups</p> <p>Admissions by region (or unit)</p> <p>How many non North - West residents were admitted to one of the North West Units?</p> <p>Numbers</p> <p>Total bed days</p> <p>Admissions by Diagnostic groups</p> <p>Admissions by region (or unit)</p> <p>These data will provide some information about flows of patients in and out of the Region and will help to identify some unmet need.</p> <p>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:</p>	

Request date	Name	Position & Place of work	Information requested	Status
			<p>Numbers of admissions by year</p> <p>Total bed days by year</p> <p>Discharge status</p> <p>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.</p>	
16/04/2007	Michelle Milner	Network Manager / Lead Nurse Paediatric Critical Care Network, Leeds PCT	<p><b>OUT OF REGION TRANSFERS</b></p> <p>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.</p> <p>However, this will not be possible as it has the potential to identify individual patients. Therefore my adjusted request is as follows:-</p> <p>Please supply me with information on transfers from within the Yorkshire and the Humber region, grouped into Sheffield patients and Leeds patients.</p> <p>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</p> <p>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).</p> <p>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.</p> <p>Please note:- I already have the information on children transferred from Leeds</p>	Completed

Request date	Name	Position & Place of work	Information requested	Status
			PICU to Sheffield PICU and Sheffield PICU to Leeds (Supplied by the individual PICU's) therefore please exclude these patients from the information supplied.	
16/04/2007	Padmanabhan Ramnarayan	Consultant in Paediatric Intensive Care & Retrieval, PICS Informatics Special Interest Group and Study Group Lead	<b>READ CODES</b>  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.  We are seeking data from a 2-year period 2004-2006.	Completed
18/04/2007	Jonathan Round	Consultant, St George's Hospital PICU, Tooting	<b>ONCOLOGY</b>  January 2003 to December 2006 data on PICU patients with a primary oncology diagnosis.  All information on these patients except name. DOB needed to match with DOB from oncology datasets at a later stage.	Completed
18/04/2007	Mark Peters	Clinical Unit Chair, P/NICU, Great Ormond Street Hospital.	<b>a) RESPIRATORY FAILURE</b>  Age / gestation / LOS / outcome / PIM score and diagnostic coding for all cases of respiratory failure  <b>b) SUPPLEMENTARY INFORMATION</b>  Can you provide gender data on these same cases and can you rerun the query with any diagnostic code that includes 'influenza'	Completed
10/05/2007	Peter Davis	Consultant Paediatric Intensivist, Bristol Royal Hospital for Children	<b>SWACIC UPDATE 2007</b>  For period April 2003 – March 2006: 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	Completed



Request date	Name	Position & Place of work	Information requested	Status
			admissions etc.) 2. A breakdown by diagnostic groups of admissions to Bristol for the South West PCTs. 3. If possible a breakdown by both diagnostic group & PCT of admissions to Bristol from South West PCTs. 4. PIM breakdown and adjusted SMR for admissions to Bristol from South West PCTs.	
21/05/2007	David Inwald	Consultant in PICU, St Mary's Hospital	<b>ST. MARY'S DATA</b>  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	<b>BURNS</b>  Numbers of children treated in PICU for burn injuries in England. Time period 2004, 2005, 2006 if possible. Numbers by age band if possible. Outcome (i.e. survival) if possible. Length of stay if possible.	Completed
06/06/2007	Paul Chumas	Consultant paediatric neurosurgeon, Leeds General Infirmary	<b>NEUROLOGICAL</b>  1) Number of children and ventilation status of those admitted to PICU with head injuries (we'll give breakdown of invasive/non-invasive etc)	Completed

Request date	Name	Position & Place of work	Information requested	Status
			<p>2) Number of children admitted with head injuries who have an ICP bolt</p> <p>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'</p> <p>4) Number of children admitted to PICU with CNS tumour and ventilation status</p> <p>5) Number of children admitted to PICU with Hydrocephalous and ventilation status</p> <p>Information from all UK &amp; Eire if possible</p>	
11/06/2007	Paul Baines	Consultant PICU, Royal Liverpool Children's Hospital	<p><b>SDD</b></p> <p>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):-</p> <p>1) Numbers split by (anonymised) units</p> <p>2) Age/sex overall</p> <p>3) VFDs overall at 30 days (summary stats - mean min etc + grouped)</p> <p>4) LOS overall (summary stats - mean min etc + grouped)</p> <p>5) Duration of ventilation (although linked to VFDs)</p> <p>6) ICU Mortality (died yes/no)</p> <p>7) Inotropes (yes/no in stay)</p> <p>8) Diagnostic group overall</p>	Completed
05/07/2007	Shane Tibby	Consultant PICU, Evelina Children's Hospital, Guy's & St Thomas' NHS Foundation Trust	<p><b>RESPIRATORY ADMISSIONS</b></p> <p>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.</p> <p>We would like these data to include the length of PICU stay, length of ventilation</p>	Completed

Request date	Name	Position & Place of work	Information requested	Status
			and mortality.	
05/07/2007	Peter Wilson	Director PICU, Southampton University Hospital NHS Trust	<b>WESSEX CHILDREN TREATED OUTSIDE SOUTHAMPTON</b>  All children admitted to PICU other than Southampton for the period Apr 2003-Mar 2007 in financial years.  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	<b>WEST MIDLANDS ADMISSIONS</b>  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	<b>RETRIEVALS</b>  <b>Demographic details</b> (age, gender, ethnic origin codes, SHA), distance to nearest PICU, <b>clinical details</b> (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)  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	<b>WEST MIDLANDS</b>  No. of patients from the following PCTs admitted to BCH, UHNS, UHL & 'out of	Completed

Request date	Name	Position & Place of work	Information requested	Status
			region' PICUs. Names of OOR PICUs not needed. Pan Birmingham Black Country Coventry and Warwickshire Herefordshire Worcestershire Shropshire Telford & Wrekin Stoke-On-Trent North Staffordshire South Staffordshire	
29/08/2007	Dawn Coleby	Research Associate, University of Leicester	<b>VENTILATOR ASSOCIATED PNEUMONIA</b> To identify (numbers of) children that have been admitted to each of the 12 participating PICUs since 1 <sup>st</sup> 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	<b>VARICELLA</b>  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. Data by child's place of residence (PCT or SHA) would be great.	Completed
04/10/2007	Dawn Coleby	Research Associate, University of Leicester	<b>UK PICU STAFFING STUDY</b>  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

Request date	Name	Position & Place of work	Information requested	Status
08/10/2007	Kate Brown	Consultant Intensivist, Great Ormond Street Hospital	<p><b>24 HOUR STUDY</b></p> <p>A list of children who died within 24 hours of admission to a UK PICU.</p> <p>No patient or unit identifier is required.</p> <p>The list to contain: the PIM score, the primary diagnosis, date and time of admission, date and time of death.</p> <p>The data is requested over the longest possible / feasible time period.</p>	Completed
02/11/2007	Tamsin Ford	Senior clinical lecturer in child and adolescent psychiatry, Peninsula Medical School, Exeter	<p><b>SELF HARM</b></p> <p>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.</p>	Completed
05/11/2007	Lucy Robin	SpR Paediatrics, St James University Hospital, Leeds	<p><b>BRADFORD</b></p> <p>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.</p> <p>As comparison, I will need available national data for PICU admissions, to include age, ethnicity, gender, reason for admission, and survival.</p>	Completed
15/11/2007	Dominique Sammut	Assistant Commissioner, Health Commission Wales	<p><b>SCOLIOSIS REPAIR</b></p> <p>Number of admissions to each PIC following scoliosis repair.</p>	Pending

Request date	Name	Position & Place of work	Information requested	Status
			2004, 2005, 2006 breakdown. Then for these figures to be broken down further to Welsh and non-Welsh patients.	
30/11/2007	Tony Dinning	Manager, Trent Paediatric Critical Care Network, Nottingham City PCT, Nottingham,	<b>OUT OF NETWORK TRANSFERS</b>  April 2006 to September 2007 A breakdown per Network PCT of admissions to PICU outside of Network. To include primary diagnosis to exclude appropriate clinical transfer for Lincolnshire Teaching PCT Nottingham City PCT Nottinghamshire County Teaching PCT Derbyshire County PCT Derbyshire City PCT	Completed
04/12/2007	Ranjit Khular	Commissioning Manager, West Midlands Specialised Commissioning Team	<b>ACTIVITY</b> 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	<b>MENINGOCOCCAL</b>  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.  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 – Information Reporting	<b>DATASETS</b>  I am working on the national programme for IT London and South ern cluster	Completed

Request date	Name	Position & Place of work	Information requested	Status
			projects. We are looking at reporting requirements for our clinical teams (critical care) and need to design our system to allow trusts to provide PICA Net submissions where appt. Please could you forward the current datasets required by trusts to complete, showing the response code values required by PICA Net.	
25/01/2008	Stuart Rowe	Lead Commissioner - Pan Thames, Hammersmith and Fulham PCT	<b>PAN THAMES</b>  Admissions, bed days and retrievals for: I) Non-Pan Thames residents to Pan Thames units II) Pan Thames residents to Pan Thames units	Completed
05/02/2008	Quen Mok	Consultant Intensivist, Great Ormond Street Hospital	<b>HEAD INJURIES</b>  Numbers of patients admitted with moderate and/or severe traumatic brain injury/head injury per year to each PICA NET unit in the last 5 years.	Completed
13/02/2008	Alison Oliver	Regional Education Nurse	<b>ACCIDENTAL EXTUBATIONS</b>  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	Completed
26/02/2008	Claire Westrop	Specialist Registrar – Birmingham Childrens Hospital	<b>REVIEW OF NEONATES UNDERGOING RENAL REPLACEMENT</b>  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	<b>HYPOTHERMIA THERAPY</b>  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
03/04/2008	Shazia Adalat	SpR Paediatric Nephrology	<b>TSS</b>	Pending

Request date	Name	Position & Place of work	Information requested	Status
			To define the incidence of TSS due to staphylococcal or streptococcal organisms in children in the UK and identify any geographic variation	
04/04/2008	Ruth Gilbert	Professor of Clinical Epidemiology	<b>PICU ADMISSIONS ACROSS 9 LARGEST PICU'S</b> 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	<b>SEPSIS</b> Audit of current UK management of community acquired paediatric sepsis	Completed
30/04/2008	Ann Tonks	Project Manager – West Midlands Perinatal Institute	<b>INFANT DEATHS</b> 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	<b>MULTIPLE ACUTE TRANSFERS</b> To assess the characteristics and outcome of patients requiring multiple acute transfers	Pending
19/05/2008	Shane Tibby	Consultant	<b>RESPIRATORY ADMISSIONS</b> 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	Research Professor	<b>UK STAFFING STUDY</b>	Completed



Request date	Name	Position & Place of work	Information requested	Status
	Draper		<p>We request the following care process and patient outcome data for 12 participating units, as defined in the study protocol.</p> <p>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:</p> <p>Sex</p> <p>PICANet Site identifier</p> <p>PICANet Patient Identifier – to match re-admissions.</p> <p>Mortality: Status at PICU discharge. Status 30 days after discharge.</p> <p>Destination: Destination at discharge. Destination at discharge to a unit within the same hospital.</p> <p>Length of stay: Date and time of admission. Date and time of discharge, or date and time of death.</p> <p>Admissions: Admission type, Unplanned admission. Previous ICU admission.</p> <p>Calculated admission number within time period (1st March 2007 – 29th February 2008)</p> <p>Ventilation: Type Invasive and/or mechanical. Start date and end date of ventilation.</p> <p>PIM and PIM2 variables (including PIM-associated diagnosis or reason for admission) and PIM2 score.</p> <p>UK PICOS-derived PIM index .</p> <p>PICANet-coded categorized diagnosis/physiological conditions for admission (up to 3 maximum)</p> <p>Diagnostic/Medical conditions.</p> <p>Physiological status at admission.</p> <p>Text fields and “read” field coding for first 3 listed conditions</p>	
31/05/2008	Janet McClean	Junior Sister	<p><b>LONG TERM VENTILATED CHILDREN</b></p> <p>All admissions to LRI CICU with breakdown of level of dependency</p>	Pending
09/06/2008	Paul Baxter	Lecturer in Statistics	<p><b>MORTALITY STUDY</b></p> <p>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</p>	Completed

Request date	Name	Position & Place of work	Information requested	Status
			<p>diagnoses and outcome.</p> <p>Data to calculate Paediatric Index of Mortality (PIM) for each admission is also required so that mortality adjustment can be made.</p>	
26/06/2008	Ravi Agarwal	Consultant Neonatal Paediatrician	<p><b>RESPIRATORY MORBIDITY IN INFANTS WITH CHRONIC LUNG DISEASE</b></p> <p>Incidence (and total number) of PICU admission with RSV bronchiolitis in a 12 months period (most recent data please)</p>	Completed
14/07/2008	P Ramnarayan	Consultant	<p><b>RETRIEVALS</b></p> <p>To compare the clinical characteristics and course of children retrieved to an intensive care unit versus non-retrieved patients with similar illness severity. Sub group analysis of patients retrieved by specialist team versus non specialist team.</p> <p>This is a follow up from data requested on 03/09/07</p>	Completed
08/08/2008	Christine Mckerness	Senior Sister	<p><b>BABIES/ WORKFORCE PLANNING</b></p> <p>Number of babies admitted to RVI in 2005, 2006 and 2007 in order to plan and manage workforce and numbers of babies admitted to RVI PICU with primary diagnosis of NEC / necrotizing enterocolitis for the years 2005, 2006, 2007 for same reason</p>	Completed
12/08/2009	Ruth Gilbert	Professor Of Clinical Epidemiology	<p><b>ANTIBIOTIC AND HEPARIN IMPREGNATED CATHETERS</b></p> <p>We plan to undertake a randomised controlled trial of antibiotic and heparin impregnated central venous catheters compared with standard CVCs (in collaboration with MCRN and CTU in Liverpool). The data are required to inform sample size calculations. A rapid response would be much appreciated.</p>	Completed
19/08/2008	Peter Davis	Paediatric Intensivist	<p><b>PICU SHORT STAYS</b></p> <p>To investigate those children who are transferred to PICU from outside hospitals who stay less than 24 hours, particularly those that only reach level 1 or 2 care. Also to investigate any regional variations in practice.</p>	Completed
10/09/2008	Paula Lister	Consultant Intensivist	<b>DEVELOPMENT OF A PIC TRIAGE TOOL</b>	Completed

Request date	Name	Position & Place of work	Information requested	Status
			To utilize national data to inform the development of a PIC triage tool for use during a pandemic.	
22/09/2008	Simon Whiteley	PICU Consultant – St James, Leeds	<b>ASTHMA</b> 1. How many patients are admitted to PICU with a diagnosis of asthma / year (2004-7) 2. Number ventilated / no days ventilated / duration of stay / outcome / number of deaths / number other adverse outcomes recorded e.g. brain injury (if any). 3. Number suffer a cardio- respiratory arrest prior to admission (if any) details of outcome 4. Denominator values total number admissions	Completed
15/10/2008	Victoria Attwell	Analyst (Healthcare for London)	<b>TRAUMA SERVICES ACROSS LONDON</b> Looking at trauma services across London to plan services	Completed
28/10/2008	Will Woodward	Consultant in Anaesthesia & Intensive Care – Royal Cornwall Hospital	<b>PICU/ ICU COMPARISON</b> Length of stay, intervention, and outcome data for children retrieved to a) all PICU's nationally, and b) Bristol Childrens Hospital from southwest DGH's	Completed
14/11/2008	Stuart Rowe	Pan Thames Commissioner (Hammersmith and Fulham PCT)	<b>LOCAL PATIENTS ADMISSIONS</b> To gain understanding of local patients admissions	Completed
05/12/2008	Alison Bali	Specialised Commissioning Project Manager – North West Commissioning team	<b>BED DAYS</b> The number of bed days occupied by North West patients <u>outside</u> of the North West Region in <u>2007</u> (North West area based on SHA boundary) What is the national average	Completed
09/01/2009	Sara Arenas-Lopez	European Medicines Agency (EMA)	<b>ALL ADMISSIONS</b> We are reviewing studies for drugs used in PICU patients. The total number of admissions in PICU'S, the age distribution of the patients	Completed

Request date	Name	Position & Place of work	Information requested	Status
			and how many of these were ventilated, Specifically we are interested in the neonatal proportion of children and the age < 1 years and we would be very grateful to know as well the average length of stay of the patients	
02/02/2009	P Ramnarayan	Childrens Acute Transport Services (CATS)	<b>INTERVAL BETWEEN ADMISSIONS AND DEATH</b> To determine the interval between admission to PICU and death and to examine if any patient-related or other factors are associated with time of death after PICU admission.	
19/02/2009	Catherine Penrose	PICU Consultant – Leeds General Infirmary	<b>PROVISION OF PALLIATIVE CARE</b>  Looking at provision of palliative care in Leeds and UK and the provision for end of life care outside of the PICU environment	Completed
05/03/2009	Raghu Nanda Ramaiah	Consultant Paediatric Intensivist Leicester Royal Infirmary	<b>NON- ACCIDENTAL INJURY IN CHILDREN UNDER 2</b> Retrospective analysis of percentage of children under 2 with head injury due to non accidental injury	Completed
05/03/2009	Raghu Nanda Ramaiah	Consultant Paediatric Intensivist Leicester Royal Infirmary	<b>INTERVENTIONS AT NEUROSURGICAL PICU</b> Primary: Interventions at Neurosurgical PICU on children transferred from Non-Neurosurgical PICU's with Head Injury. Secondary: If not interventions done, could these children have avoided a risky transfer and be managed in their own PICU.	Completed
21/03/2009	Saul Faust	Senior Lecturer in Paediatric Immunology and Infectious diseases – University of Southampton	<b>MENINGOCOCCAL AND PNEUMOCOCCAL SEPSIS</b>  The meningococcal and pneumococcal sepsis admitted numbers for the winters 2005-6, 2006-7, 2008-09 (this year so far) Oct-Mar each year, if not summarized by calendar year will be fine (if there is a monthly breakdown this would be even better). The “overall sepsis” numbers available for these time periods as well	Completed
23/03/2009	Peter Davis	Consultant Paediatric Intensivist -	<b>TRAUMATIC BRAIN INJURY</b>	Completed

Request date	Name	Position & Place of work	Information requested	Status
		Bristol Royal Hospital for Children	On all children admitted to PICUs in England & Wales over 4 years (2004-2007) with traumatic head injury: LENGTH OF STAY (TO DISCHARGE OR DEATH) OUTCOME (ALIVE/DEAD) ICP MONITORING Y/N PUPIL REACTION (FROM PIM) DIAGNOSIS OTHER DIAGNOSES (to pick up multi-trauma)	
29/04/2009	Jose Panisello	Clinical Director- Oxford Radcliffe NHS Trust	<b>THAMES VALLEY ADMISSIONS</b> Number of patients belonging to the Thames Valley (old boundaries) have been admitted nationally (2006,2007,2008), How many of those patients were admitted in Oxford in same years. PCOs for the remaining patients admitted in Oxford for the same years. In addition to number of patients, can you provide the number of bed days used for each group	Completed
24/04/2009	Kay Rushforth	Sister Leeds Teaching Hospitals NHS Trust	<b>COMPARATIVE ANALYSIS</b> A comparative analysis to quantify paediatric inpatient activity in West, North and East Yorkshire by comparing two paediatric high dependency care measurement tools: 1:The PCCMDS for basic (HRG1) and advanced (HRG 2) high dependency care 2:The PHDC measurement tool	Completed
11/05/2009	Andrea Hughes	Manager, North West Children's programme manager	<b>BED DAYS/ ADMISSIONS</b> All data requested relate to 2005-2007, annual data for each of the two units (Royal Manchester Children's Hospital and Liverpool Alder Hey Children's Hospital) and the UK average. 1) PICU admissions by sex, month and year 2) PICU by age group ≤ 28 days, 29 days to <1 year, 1 to <2 years, 2 to <5 years, 5 to < 10 years, 10 years plus.	Pending

Request date	Name	Position & Place of work	Information requested	Status
			<p>3) PICU admissions by diagnosis on admissions Diagnostic groups: Accidents &amp; poisoning, blood/lymphatic, cardiovascular, Congenital, Endocrine/metabolic, Gastrointestinal, infection, Musculoskeletal, Neurological, Oncology, Perinatal, Respiratory, Trauma, Urological, other.</p> <p>4) PICU admissions by intervention received: Invasive ventilation, Non-invasive ventilation, ECMO, IV vasoactive drug therapy, LVAD, ICP device, Renal Support.</p> <p>5) PIC admissions by length of stay: In hours and in days (mean, median and IQR please)</p> <p>6) PICU admissions by days of invasive ventilation</p> <p>7) PICU admissions by unit discharge status, status alive or dead</p> <p>8) Destination groups: Home, same hospital, other hospital</p> <p>9) Number of retrievals by team type: own team, other specialist team (PICU) other specialist team (NON-PICU), non- specialist team</p> <p>For 2005-07</p> <p>How many individuals were admitted to a PICU unit outside the North West: Numbers, total bed days, admission by diagnostic group, admission by region</p> <p>How many non- North West residents were admitted to one of the North West units? Numbers, total bed days, admission by diagnostic group, admission by region</p>	
12/05/2009	Sujatha Rajan	Locum Consultant, Barts and the London NHS Trust	<b>TSS DUE TO PVL</b> To profile the children with toxic shock syndrome due to PVL admitted to PICU. Demographic profile, age, sex, co-morbidity, organs involved, disseminated osteomyelitis, duration of stay in picu, interventions in picu, ventilation, fluids given, inotropes, outcomes	Pending
15/05/2009	Raghu Nanda Ramaiah	Consultant Paediatric Intensivist, University Hospitals of Leicester NHS trust	<b>EAST MIDLANDS ADMISSIONS</b> -The number of children with east midlands postcode admitted to intensive care other than Leicester and Nottingham to analyse the data for the EM PICU steering group to plan for future needs of PICU in region.	Completed

## APPENDIX E Data Collection Form

<b>The Paediatric Intensive Care Audit Network Data Collection Form</b>	
<p><b>Admission number</b> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/></p> <p><b>NHS number</b> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/></p> <p><b>Case note number</b> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/></p> <p><b>Address</b> <i>(or affix patient sticker here if required)</i></p> <div style="border: 1px solid black; height: 40px; width: 100%;"></div> <p><b>Postcode</b> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/></p> <p><b>Ethnic category and code</b> <i>(see back of form)</i></p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div> <p><b>Family name</b> <input style="width: 100%;" type="text"/></p> <p><b>Second family name</b> <input style="width: 100%;" type="text"/></p> <p><b>First name</b> <input style="width: 100%;" type="text"/></p> <p><b>Date of birth</b> <i>(dd/mm/yyyy)</i> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> / <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> / <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/></p> <p><b>If DOB is estimated</b> <i>(or missing or partly anonymised)</i></p> <p><input type="checkbox"/> Estimated <input type="checkbox"/> Anonymised <input type="checkbox"/> Not known</p> <p><b>Gestational age at delivery</b> <i>(if age &lt; 2 years)</i> <input style="width: 40px;" type="text"/> weeks</p> <p><b>Sex</b></p> <p><input type="checkbox"/> Male <input type="checkbox"/> Female <input type="checkbox"/> Ambiguous <input type="checkbox"/> Not known</p> <p><b>Birth order</b> <input style="width: 40px;" type="text"/> of <b>Multiplicity</b> <input style="width: 40px;" type="text"/></p> <p><b>GP Practice Code</b> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/></p>	<p><b>Date of admission to your unit</b> <i>(dd/mm/yyyy)</i> <input style="width: 40px;" type="text"/> / <input style="width: 40px;" type="text"/> / <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/></p> <p><b>Time of admission to your unit</b> <i>(hh:mm)</i> <input style="width: 40px;" type="text"/> : <input style="width: 40px;" type="text"/></p> <p><b>Type of admission to your unit</b></p> <p><input type="checkbox"/> Planned – following surgery</p> <p><input type="checkbox"/> Unplanned – following surgery</p> <p><input type="checkbox"/> Planned – other</p> <p><input type="checkbox"/> Unplanned</p> <p><b>Previous ICU admission</b> <i>(during current hospital stay)</i></p> <p><input type="checkbox"/> ICU <input type="checkbox"/> PICU <input type="checkbox"/> NICU</p> <p><input type="checkbox"/> None <input type="checkbox"/> Not known</p> <p><b>Source of admission</b></p> <p><input type="checkbox"/> Same hospital <input type="checkbox"/> Other hospital <input type="checkbox"/> Clinic <input type="checkbox"/> Home</p> <p><b>Retrieval / transfer</b> <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><b>Retrieved / transferred by</b></p> <p><input type="checkbox"/> Own team <input type="checkbox"/> Other specialist team (PICU) <input type="checkbox"/> Other specialist team (non-PICU) <input type="checkbox"/> Non-specialist team <input type="checkbox"/> Not known</p> <p><b>Care area admitted from</b> <i>(includes transfers in)</i></p> <p><input type="checkbox"/> X-ray, endoscopy, CT scanner or similar</p> <p><input type="checkbox"/> Recovery only</p> <p><input type="checkbox"/> HDU (step up / step down unit)</p> <p><input type="checkbox"/> Other intermediate care area (not ICU / PICU / NICU)</p> <p><input type="checkbox"/> ICU / PICU / NICU</p> <p><input type="checkbox"/> Ward</p> <p><input type="checkbox"/> Theatre and recovery</p> <p><input type="checkbox"/> A &amp; E</p>
<p><b>Diagnoses and procedures</b></p> <p><b>Primary diagnosis for this admission:</b></p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div> <p><b>Other reasons for this admission:</b></p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div> <p><b>Operations or procedures performed during this admission:</b></p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div> <p><b>Co-morbidity:</b></p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div>	

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
<b>Basic</b>	No defined critical care activity	Code 99														
	Continuous ECG monitoring	50														
	Continuous pulse oximetry	73														
<b>Airway and ventilatory</b>	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															
<b>Cardio-vascular</b>	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															
<b>Renal</b>	Peritoneal dialysis	05														
	Haemofiltration	16														
	Haemodialysis	66														
	Plasma filtration	67														
	Plasma exchange	67														
<b>Neuro-logical</b>	ICP-intracranial pressure monitoring	68														
	Intraventricular catheter or external ventricular drain	69														
<b>Metabolic</b>	Diabetic ketoacidosis (DKA) requiring continuous infusion of insulin	70														
<b>Other</b>	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														
<b>High cost drugs</b>	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			
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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<sub>2</sub>   .   kPa OR    mmHg

FiO<sub>2</sub>\*  .

Intubation\* ☐ Yes ☐ No

Headbox\* ☐ Yes ☐ No

\* As recorded at the time of the above PaO<sub>2</sub> 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

<p><b>Discharge information</b></p> <p><b>Status at discharge from your unit</b></p> <p> <input type="checkbox"/> Alive            <input type="checkbox"/> Dead            <input type="checkbox"/> Discharged for palliative care       </p> <p><b>Date of discharge</b> (dd/mm/yyyy)            <input type="text"/> / <input type="text"/> / <input type="text"/> 20 <input type="text"/> <input type="text"/> </p> <p><b>Time of discharge</b> (hh:mm)            <input type="text"/> : <input type="text"/> </p> <p><b>Date of death</b> (dd/mm/yyyy)            <input type="text"/> / <input type="text"/> / <input type="text"/> 20 <input type="text"/> <input type="text"/> </p> <p><b>Time of death</b> (hh:mm)            <input type="text"/> : <input type="text"/> </p> <p><b>Destination following discharge from your unit</b></p> <table style="width: 100%;"> <tr> <td style="vertical-align: top;"> <input type="checkbox"/> Normal residence  <input type="checkbox"/> Hospice  <input type="checkbox"/> Same hospital  <input type="checkbox"/> Other hospital         </td> <td style="vertical-align: middle; font-size: 2em;">}</td> <td style="vertical-align: middle; font-size: 2em;">→</td> <td style="vertical-align: top;"> <input type="checkbox"/> ICU  <input type="checkbox"/> PICU  <input type="checkbox"/> NICU  <input type="checkbox"/> HDU  <input type="checkbox"/> SCBU  <input type="checkbox"/> Ward  <input type="checkbox"/> Other         </td> </tr> </table>	<input type="checkbox"/> Normal residence <input type="checkbox"/> Hospice <input type="checkbox"/> Same hospital <input type="checkbox"/> Other hospital	}	→	<input type="checkbox"/> ICU <input type="checkbox"/> PICU <input type="checkbox"/> NICU <input type="checkbox"/> HDU <input type="checkbox"/> SCBU <input type="checkbox"/> Ward <input type="checkbox"/> Other	<p><b>Custom or user-defined fields</b></p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; border-bottom: 1px solid black;">Field name</th> <th style="text-align: left; border-bottom: 1px solid black;">Value</th> </tr> </thead> <tbody> <tr><td style="border-bottom: 1px solid black;"> </td><td style="border-bottom: 1px solid black;"> </td></tr> <tr><td style="border-bottom: 1px solid black;"> </td><td style="border-bottom: 1px solid black;"> </td></tr> <tr><td style="border-bottom: 1px solid black;"> </td><td style="border-bottom: 1px solid black;"> </td></tr> <tr><td style="border-bottom: 1px solid black;"> </td><td style="border-bottom: 1px solid black;"> </td></tr> <tr><td style="border-bottom: 1px solid black;"> </td><td style="border-bottom: 1px solid black;"> </td></tr> <tr><td style="border-bottom: 1px solid black;"> </td><td style="border-bottom: 1px solid black;"> </td></tr> <tr><td style="border-bottom: 1px solid black;"> </td><td style="border-bottom: 1px solid black;"> </td></tr> <tr><td style="border-bottom: 1px solid black;"> </td><td style="border-bottom: 1px solid black;"> </td></tr> <tr><td style="border-bottom: 1px solid black;"> </td><td style="border-bottom: 1px solid black;"> </td></tr> <tr><td style="border-bottom: 1px solid black;"> </td><td style="border-bottom: 1px solid black;"> </td></tr> </tbody> </table>	Field name	Value																														
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Field name	Value																																				
<p><b>Follow-up 30 days post-discharge from your unit</b></p> <p><b>Status</b>            <input type="checkbox"/> Alive            <input type="checkbox"/> Dead            <input type="checkbox"/> Not known       </p> <p><b>Date of death</b> (dd/mm/yyyy)            <input type="text"/> / <input type="text"/> / <input type="text"/> 20 <input type="text"/> <input type="text"/> </p> <p><b>Location</b></p> <table style="width: 100%;"> <tr> <td style="vertical-align: top;"> <input type="checkbox"/> Normal residence  <input type="checkbox"/> Hospice  <input type="checkbox"/> Same hospital  <input type="checkbox"/> Other hospital         </td> <td style="vertical-align: middle; font-size: 2em;">}</td> <td style="vertical-align: middle; font-size: 2em;">→</td> <td style="vertical-align: top;"> <input type="checkbox"/> ICU  <input type="checkbox"/> PICU  <input type="checkbox"/> NICU  <input type="checkbox"/> HDU  <input type="checkbox"/> SCBU  <input type="checkbox"/> Ward  <input type="checkbox"/> Other         </td> </tr> </table>		<input type="checkbox"/> Normal residence <input type="checkbox"/> Hospice <input type="checkbox"/> Same hospital <input type="checkbox"/> Other hospital	}	→	<input type="checkbox"/> ICU <input type="checkbox"/> PICU <input type="checkbox"/> NICU <input type="checkbox"/> HDU <input type="checkbox"/> SCBU <input type="checkbox"/> Ward <input type="checkbox"/> Other																																
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<p><b>Growth measurements (if required by unit)</b></p> <p><b>Height</b>            <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> cm       </p> <p><b>Weight</b>            <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> kg       </p> <p><b>Abdominal circumference</b>            <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> cm       </p>	<p><b>Form completed by</b></p>																																				
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	Any other ethnic group S																																				
Not stated	Not stated Z																																				
<p><b>Queries</b></p> <p><i>An emailed query to <a href="mailto:picanet@leeds.ac.uk">picanet@leeds.ac.uk</a> will reach every PICANet team member, or you can contact us individually:</i></p> <table style="width: 100%;"> <tr> <td style="width: 33%; vertical-align: top;"> <b>Roger Parslow</b>            (0113) 343 4856  <a href="mailto:r.c.parslow@leeds.ac.uk">r.c.parslow@leeds.ac.uk</a> </td> <td style="width: 33%; vertical-align: top;"> <b>Database Manager</b>            (0113) 343 8125  <a href="mailto:picanet@leeds.ac.uk">picanet@leeds.ac.uk</a> </td> <td style="width: 33%; vertical-align: top;"> <b>Krish Thiru</b>            (020) 7762 6713  <a href="mailto:thiruk1@gosh.nhs.uk">thiruk1@gosh.nhs.uk</a> </td> </tr> <tr> <td style="vertical-align: top;"> <b>Caroline Lamming</b>            (0116) 252 5414  <a href="mailto:cr14@leicester.ac.uk">cr14@leicester.ac.uk</a> </td> <td colspan="2"></td> </tr> </table>		<b>Roger Parslow</b> (0113) 343 4856 <a href="mailto:r.c.parslow@leeds.ac.uk">r.c.parslow@leeds.ac.uk</a>	<b>Database Manager</b> (0113) 343 8125 <a href="mailto:picanet@leeds.ac.uk">picanet@leeds.ac.uk</a>	<b>Krish Thiru</b> (020) 7762 6713 <a href="mailto:thiruk1@gosh.nhs.uk">thiruk1@gosh.nhs.uk</a>	<b>Caroline Lamming</b> (0116) 252 5414 <a href="mailto:cr14@leicester.ac.uk">cr14@leicester.ac.uk</a>																																
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## 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?

Funding is provided by the Healthcare Quality Improvement Partnership, Health Commission Wales Specialised Services, NHS Lothian / National Service Division NHS Scotland and The Royal Belfast Hospital for Sick Children.

### 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 details about your child's condition or illness onto a form from information in their 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 in 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 further information on children's intensive care is needed to help hospitals plan for the future.

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 have linked 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 Scotland. 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](http://www.picanet.org.uk)

Email: [picanet@leeds.ac.uk](mailto:picanet@leeds.ac.uk)

✉ **Patricia McKinney, Roger Parslow, Sarah Skinner & Tom Fleming**  
PICANet  
Paediatric Epidemiology Group  
Centre for Epidemiology & Biostatistics  
The Leeds Institute of Genetics, Health & Therapeutics  
8.49 Worsley Building  
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Leeds, LS2 9JT

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☎ 0113 343 4856  
[s.skinner@leeds.ac.uk](mailto:s.skinner@leeds.ac.uk)  
[t.j.fleming@leeds.ac.uk](mailto:t.j.fleming@leeds.ac.uk)  
☎ 0113 343 8125

### Contact information (cont)

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[crl4@le.ac.uk](mailto:crl4@le.ac.uk)  
☎ 0116 252 5414

✉ **Krish Thiru**  
Pan Thames Co-ordinator  
PICANet  
Cardiorespiratory and Critical Care  
Division  
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Children  
Great Ormond Street  
London WC1 3JH  
[thiruk1@gosh.nhs.uk](mailto:thiruk1@gosh.nhs.uk)  
☎ 020 7762 6713



### Paediatric Intensive Care Audit Network



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



Drawn by Zoe aged 8

Version 5.0 June 2008

# APPENDIX G DATA VALIDATION FORM

		PICANet data validation audit			
PICU name <input type="text"/>		Visited by <input type="text"/>		Date of visit <input type="text"/> / <input type="text"/> / 20 <input type="text"/> <input type="text"/>	
Variable	Visit value	Discrepancy			
<b>Admission</b> Admission	Case note number	<input type="text"/>			
	Date of admission	<input type="text"/> / <input type="text"/> / 20 <input type="text"/> <input type="text"/>			
	Time of admission	<input type="text"/> : <input type="text"/> ± 30 minutes is acceptable			
	Previous ICU admission	<input type="checkbox"/> ICU <input type="checkbox"/> PICU <input type="checkbox"/> NICU <input type="checkbox"/> None <input type="checkbox"/> Not known			
	Retrieval / transfer	<input type="checkbox"/> Yes <input type="checkbox"/> No			
	Retrieved / transferred by	<input type="checkbox"/> Own team <input type="checkbox"/> Other specialist team (PICU) <input type="checkbox"/> Other specialist team (non-PICU) <input type="checkbox"/> Non-specialist team <input type="checkbox"/> Not known			
<b>Diagnoses</b> PIM2 - Reason for admission	Care area admitted from	<input type="checkbox"/> X-ray, endoscopy, CT scanner or similar <input type="checkbox"/> Recovery only <input type="checkbox"/> HDU (step up / step down unit) <input type="checkbox"/> Other intermediate care area (not ICU / PICU / NICU) <input type="checkbox"/> ICU / PICU / NICU <input type="checkbox"/> Ward <input type="checkbox"/> Theatre and recovery <input type="checkbox"/> A & E			
	Primary diagnosis for this admission	<input type="text"/>			
<b>PIM2 - Reason for admission</b> PIM2 - Reason for admission	Main reason for admission	<input type="checkbox"/> None of those below <input type="checkbox"/> Asthma <input type="checkbox"/> Bronchiolitis <input type="checkbox"/> Croup <input type="checkbox"/> Obstructive sleep apnoea <input type="checkbox"/> Recovery from surgery <input type="checkbox"/> Diabetic ketoacidosis			

Continued over...

PICANet data validation audit data collection form Version 2008-09-25

	Variable	Visit value	Discrepancy
PIM2 - Physiology	Blood gas in first hour?	<input type="checkbox"/> Yes <input type="checkbox"/> No	
	Arterial PaO <sub>2</sub>	<input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> kPa OR <input type="text"/> <input type="text"/> <input type="text"/> mmHg	
	FiO <sub>2</sub>	<input type="text"/> . <input type="text"/> <input type="text"/>	
	Intubation	<input type="checkbox"/> Yes <input type="checkbox"/> No	
	Headbox	<input type="checkbox"/> Yes <input type="checkbox"/> No	
	Systolic blood pressure	<input type="text"/> <input type="text"/> <input type="text"/> mmHg <span style="margin-left: 20px;">± 5 mmHg is acceptable</span>	
	Base excess (arterial/capillary)	$\pm$ <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/>	
	Pupil reaction	<input type="checkbox"/> Both fixed and dilated <input type="checkbox"/> Other reaction <input type="checkbox"/> Not known	
Interventions	Mechanical ventilation	<input type="checkbox"/> Yes <input type="checkbox"/> No	
	CPAP	<input type="checkbox"/> Yes <input type="checkbox"/> No	
	Invasive ventilation	<input type="checkbox"/> Yes <input type="checkbox"/> No	
	Invasive ventilation days	<input type="text"/> <input type="text"/> <input type="text"/> Start date <input type="text"/> <input type="text"/> / <input type="text"/> <input type="text"/> / 20 <input type="text"/> <input type="text"/> Stop date <input type="text"/> <input type="text"/> / <input type="text"/> <input type="text"/> / 20 <input type="text"/> <input type="text"/>	
	Non-invasive ventilation	<input type="checkbox"/> Yes <input type="checkbox"/> No	
	Non-invasive ventilation days	<input type="text"/> <input type="text"/> <input type="text"/> Start date <input type="text"/> <input type="text"/> / <input type="text"/> <input type="text"/> / 20 <input type="text"/> <input type="text"/> Stop date <input type="text"/> <input type="text"/> / <input type="text"/> <input type="text"/> / 20 <input type="text"/> <input type="text"/>	
Discharge	Date of discharge	<input type="text"/> <input type="text"/> / <input type="text"/> <input type="text"/> / 20 <input type="text"/> <input type="text"/>	
	Time of discharge	<input type="text"/> <input type="text"/> : <input type="text"/> <input type="text"/> <span style="margin-left: 20px;">± 30 minutes is acceptable</span>	

## APPENDIX H 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 description) [(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	Followup 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 I MONTHLY ADMISSIONS REPORT

## MONTHLY ADMISSIONS REPORT

Admissions		SITEID																																		Total		
Year	Month	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34			
2008	1	92	15	66	30	37	77	67	34	108	137	103	29	54	39	38	5	68	16	27	27	41	42	29	12	70	28	4	31	32							1358	
	2	68	29	51	47	30	80	52	35	104	113	104	18	45	46	35	6	59	12	22	31	27	33	21	4	59	19	7	48	35							1240	
	3	68	23	66	35	30	80	67	32	116	152	89	17	47	41	39	7	49	17	27	40	27	40	22	7	67	26	4	41	48							1324	
	4	88	13	52	27	18	65	83	33	83	134	91	25	50	36	27	7	46	17	32	33	26	41	22	7	51	31	4	40	39							1221	
	5	90	19	57	39	25	80	87	29	90	138	88	28	64	31	40	7	49	19	25	22	28	36	17	11	64	19	2	30	38							1272	
	6	79	18	58	40	20	65	86	31	101	142	84	28	55	31	23	5	37	19	15	40	25	25	26	7	62	27	3	43	33							1228	
	7	99	15	54	37	21	80	70	27	88	154	84	32	53	46	24	2	50	15	20	20	21	37	19	5	46	21	2	29	29							1200	
	8	106	23	50	35	22	65	80	22	82	140	79	30	72	36	15	3	42	13	19	32	14	34	23	11	49	25	2	26	38							1188	
	9	82	22	53	36	21	63	76	34	70	143	88	26	53	37	23	5	47	17	16	30	32	31	23	8	53	30	3	28	25							1165	
	10	92	14	45	48	25	88	106	28	78	128	86	26	65	30	37	5	46	14	23	25	19	36	29	5	59	32		47	39							1276	
	11	101	27	53	32	29	78	73	35	101	132	90	32	60	35	35	13	51	14	22	30	26	35	27	6	57	28	2	41	39							1304	
	12	99	17	54	48	30	108	45	35	98	116	115	31	39	42	33	10	41	17	28	25	21	31	18	7	55	32	3	33	35							1266	
2008 Total		1084	235	859	454	309	829	882	385	1119	1828	1101	322	857	460	389	75	585	180	278	355	307	421	278	80	882	318	38	437	430							16042	
2007	1	95	25	55	48	34	78	55	40	90	111	107	20	68	36	32	11	58	18	37	20	22	43	27	3	71	31	4	40	38							1318	
	2	76	17	58	41	29	79	51	32	84	94	97	21	54	27	31	8	66	14	30	35	17	43	15	4	59	34	3	33	36			12				1200	
	3	99	20	55	47	28	81	55	30	84	123	100	36	42	38	33	8	43	17	18	38	20	44	25	7	69	31	3	43	48			32				1317	
	4	84	18	63	50	24	75	52	35	79	116	88	24	61	34	26	8	43	16	25	16	21	32	25	8	47	33		53	42		37		80		1315		
	5	84	24	50	46	21	85	75	36	99	121	102	27	63	33	33	2	55	15	21	33	25	33	25	9	58	34	6	52	41		38		83		1429		
	6	92	19	54	35	32	70	65	23	85	129	95	25	43	47	22	10	50	22	25	25	25	33	31	7	54	23	5	41	41		35		75		1339		
	7	88	9	55	40	29	88	53	30	90	142	103	27	52	40	26	13	56	22	22	30	22	20	36	3	73	26	5	56	29		28		61		1374		
	8	98	7	51	51	20	70	49	31	94	150	102	15	47	26	28	11	60	10	32	25	23	16	26	12	74	26	4	43	37		31		85		1354		
	9	103	3	50	36	22	71	51	31	83	128	87	38	54	20	27	7	38	13	20	30	26	22	26	10	45	21	4	39	32		37		61		1235		
	10	110	10	62	46	29	71	71	27	103	130	115	17	53	32	30	19	54	13	33	41	24	23	29	8	70	41	3	46	41		43		60		1454		
	11	112	11	77	42	32	85	50	22	99	133	124	13	59	31	39	12	67	16	25	43	23	30	24	5	68	39	3	38	44		39		84		1489		
	12	116	12	68	42	24	65	58	32	95	118	104	29	45	37	41	10	61	18	30	29	31	21	26	9	69	37	5	53	34		34		62		1416		
2007 Total		1158	175	898	524	324	918	885	389	1088	1485	1224	282	842	401	388	119	851	184	318	385	279	380	316	85	757	378	45	537	483		388		851		18240		
2006	1	99	29	60	52	32	93	46	38	93	135	87	30	55	37	26	11	62	19	29	32	27	20	36	5	64	30	4	48	60		27		94		1481		
	2	87	29	53	37	21	70	31	26	89	135	87	18	50	35	15	8	64	17	21	19	27	20	33	5	49	24	7	41	43		30		84		1275		
	3	102	31	58	39	27	69	35	16	97	108	101	29	48	41	25	13	57	17	28	27	29	29	35	13	52	28		53	44		36		74		1361		
	4	90	30	70	35	23	82	51	24	100	119	85	24	44	41	23	17	65	14	30	27	26	35	22	11	48	37	3	43	42		26		59		1360		
	5	88	25	58	36	30	71	41	25	85	143	105	37	44	48	30	13	52	12	22	25	30	34	18	6	53	28	2	41	36		22		31		1292		
	6	98	22	55	39	22	59	41	28	113	142	103	22	41	38	26	9	47	19	27	33	23	29	25	3	65	23	1	31	28		27		29		1268		
	7	104	17	74	30	21	60	39	33	92	135	109	21	47	46	27	4	55	19	24	32	31	41	30	7	64	24	1	31	36		36		28		1319		
	8	91	22	62	37	18	50	21	30	90	138	102	31	58	31	24	13	50	9	27	33	21	39	17	10	61	25	1	24	38		25		4		32		1234
	9	88	27	68	50	24	67	23	35	88	131	87	43	58	37	23	15	49	13	20	24	21	29	19	7	45	34	2	45	33		35		7		30		1277
	10	89	25	64	41	32	78	33	37	102	150	93	52	62	43	21	10	56	22	21	27	19	27	24	6	75	32	2	43	38		41		13		4		1382
	11	87	13	64	37	30	69	16	44	101	128	106	48	54	47	25	9	64	19	29	23	25	23	19	8	72	32	5	52	42		45					1336	
	12	91	18	63	44	30	67	23	38	101	125	111	36	48	48	41	9	34	22	28	26	34	27	25	8	75	36	3	52	43		50					1357	
2006 Total		1114	288	749	477	310	835	400	374	1152	1591	1178	391	810	482	308	131	855	202	308	328	313	353	303	89	723	353	31	504	483		400		335		188		15942
Total		3388	888	2108	1455	943	2882	1977	1108	3357	4715	3501	1006	1809	1343	1043	325	1881	588	900	1048	889	1134	894	284	2172	1047	112	1478	1878		788		888		188		47223

## APPENDIX J DATA STATUS REPORT

### DATA STATUS REPORT

26/06/2009 14:46

November 2002 - June 2009

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	16/06/2009	63	7035	01/11/2002	14/06/2009	230	2				2			234
2	10/06/2009	262	1606	02/01/2003	30/04/2009	5				14	2			21
3	01/05/2009	125	4494	02/11/2002	30/03/2009	310			4		5		2	321
4	01/06/2009	503	2849	02/03/2003	23/05/2009									0
5	01/05/2009	278	1937	04/11/2002	29/04/2009	30				1	1			32
6	16/06/2009	105	5891	30/10/2002	09/06/2009	73								73
8	31/03/2009	190	4913	01/11/2002	23/03/2009	14473	2		14	4	10		4	14507
9	25/03/2009	325	2403	01/11/2002	23/03/2009	101			2	4			7	114
10	01/06/2009	207	6889	02/11/2002	30/03/2009	17			1					18
11	08/06/2009	96	10127	16/01/2003	20/05/2009	3	3		2	2	2			12
12	11/05/2009	35	7090	01/03/2003	08/05/2009	99	1	4	7	230	6	3		350
13	01/06/2009	130	2123	01/03/2003	25/05/2009	3			1				1	5
14	06/03/2009	57	3585	01/03/2003	31/01/2009	10			1	4	10			25
15	08/06/2009	144	2549	01/03/2003	30/04/2009	5				5			2	12
16	10/06/2009	119	2342	01/03/2003	01/06/2009	50	6			6	4			66
17	16/03/2009	118	595	04/03/2003	04/03/2009	40					1			41
18	28/04/2009	154	3891	01/11/2002	04/03/2009	350	1		3		7			361
19	10/06/2009	472	1211	01/11/2002	02/06/2009	7				1				8
20	15/04/2009	183	1959	02/11/2002	11/04/2009	8				1				9
21	25/02/2009	92	2112	01/11/2002	13/02/2009	3	3				1	3		10
22	01/06/2009	162	1840	02/11/2002	15/05/2009	33	1							34
23	10/06/2009	476	2469	01/11/2002	03/06/2009	496	2		6	3	10	1		518
24	08/06/2009	142	2081	01/11/2002	20/05/2009	70	3		2		1	3		79
25	31/03/2009	145	529	01/11/2002	23/12/2008	14								14
26	12/06/2009	146	4565	01/11/2002	08/06/2009	115					1			116
27	16/06/2009	313	1991	01/11/2002	10/06/2009	10					1			11
28	22/05/2009	184	303	01/11/2002	10/05/2009	4								4
29	16/06/2009	276	3191	01/11/2002	11/06/2009	193	2				4			199
31	08/06/2009	184	2021	07/12/2004	03/06/2009	45					2			47
32	12/06/2009	103	935	13/02/2007	02/06/2009	66	1							67
33	08/06/2009	17	1881	02/04/2007	27/04/2009		2		7	1	12			22
34	04/03/2009	8	168	21/04/2008	08/10/2008	40				3				43
			97417			16863	29	4	50	276	82	10	16	17330

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

Invalid code: Invalid Read Code supplied

Uncoded reason: no Read Code supplied

Total: total number of errors



## APPENDIX K PUBLICATIONS/PRESENTATIONS

### K1 Presentations

Meeting/Conference	Venue	Date	Presentation Title	PICANet Team Attendees
NW Paediatric Intensive Care Seminar (North West Specialised Commissioning Group)	Dunkenhalgh Hotel, Clayton-le-Moors, Lancashire	23/06/2004	PICANet: Results of national activity	Sam Jones & Roger Parslow
PICANet AGM	London	24/06/2004	Presentation of National report	PICANet Team
Welsh National Commissioning Advisory Board Meeting	Royal Welsh Showground, Builth Wells	28/07/2004	PICANet: Presentation of National and Welsh report	Liz Draper & Nicky Davey
Strategic Issues in Health Care Management, Sixth International Conference	University of St Andrews	02/09/2004	Collection of personally identifiable information for a national clinical database: how feasible is it to obtain signed consent?	Sam Jones
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
Confidential Enquiry into Maternal and Child Health	London	08/03/2005	National Paediatric Intensive Care Database (PICANet)	Liz Draper
Intensive Care National Audit & Research Centre (ICNARC): Eight Annual Meeting of the Case Mix Programme	Savoy Hotel, London	13/04/2005	Why is it important to include information on paediatric admissions in the new Case Mix Programme Dataset?	Sam Jones
Pan Thames Report Update: Commissioning Consortium	London	06/05/2005	PICANet: Update on Pan Thames data quality for commissioning	Krish Thiru & Sam Jones
Paediatric Intensive Care Study Day	Royal Manchester Children's Hospital	10/05/2005	The epidemiology of critical illness in children	Roger Parslow
Trent PIC commissioners	QMC, Nottingham	12/05/2005	PICANet: Presentation of National report 2003-2004	Liz Draper
Paediatric Intensive Care Trainee Meeting	Royal Liverpool Children's Hospital (Alder Hey)	13/05/2005	Role of PICANet and the relevance of the national audit to the clinical community	Nicky Davey & Sam Jones
PICANet AGM	London	24/05/2005	Presentation of National report	PICANet team
NORCOM, TRENTCOM & LNR PIC commissioners	Leicester	13/06/2005	PICANet in LNR, Trent & South Yorkshire PCTs	Liz Draper
Health Protection Agency (HPA) annual conference	Warwick	12/09/2005	Mortality, deprivation and ethnicity of critically ill children in England and Wales: preliminary findings from the Paediatric Intensive Care Audit Network (PICANet)	Roger Parslow
Paediatric Critical Care Network Board (East Leeds PCT)	Leeds	06/10/2005	PICANet: Presentation of national data and relevance to commissioning	Tricia McKinney
Welsh National Commissioning Advisory Board Meeting	Lamb and Flag Hotel, Llanwenarth, Abergavenny	11/10/2005	PICANet: Presentation of National and Welsh Report	Gareth Parry
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
University of Leicester,	Department of Health Sciences. University of Leicester	14/03/2007	The UK Paediatric Traumatic Brain Injury Study	Roger Parslow
Pan Thames Commissioners PbR Roadmap	ASIA House	14/06/2007	PICANet and the PCCMDS	Roger Parslow
Exploiting Existing Data for Health Research	University of St Andrews	19/09/2007	Privacy preserving record linkage	Tom Fleming
PICANet AGM	Leeds University Business School	04/07/2007	Presentation of the National Report	PICANet Team
PICANet Annual Meeting	Bristol Children's Hospital	06/11/2008	Revision and recalibration of PIM2 for great Britain	Roger Parslow
PICS Annual meeting	Holland House Cardiff	20/11/2008	The PICANet Report	Roger Parslow
PICS Annual Meeting	Holland House, Cardiff	20/11/2008	Clinical Information systems in UK PIC: Opportunities and challenges on behalf of the UK PIC Health Informatics Group (poster)	Krish Thiru

## K2 Publications

Journal	Title	Authors
Pediatrics (2004) <b>113</b> 1653-1657	Trends in the incidence of severe retinopathy of prematurity in a geographically defined population over a 10-year period	Hameed B, Shyamanur K, Kotecha S, Manktelow B, Woodruff G, Draper ES & Field D
Archives of Disease in Childhood (2005) <b>90</b> 380-387	Neuropsychological and educational problems at school age associated with neonatal encephalopathy	Marlow N, Rose AS, Rands CE & Draper ES
Archives of Disease in Childhood (2005) <b>90</b> 1182-1187	Epidemiology of traumatic brain injury in children receiving intensive care in the UK	Parslow RC, Morris KP, Tasker RC, Forsyth RJ & Hawley C
British Medical Journal (2005) <b>330</b> 43 (1 January)	Paediatric cardiac surgical mortality after Bristol: details of risk adjustment tools were not given (letter)	Parry GJ, Draper ES & McKinney P
British Medical Journal (2005) <b>330</b> 877-879 (16 April)	A feasibility study of signed consent for the collection of patient identifiable information for a national paediatric clinical audit database	McKinney PA, Jones S, Parslow R, Davey N, Darowski M, Chaudhry B, Stack C, Parry G, Draper ES for the PICANet Consent Study Group
European Journal of Obstetrics, Gynecology & Reproductive Biology (2005) <b>118</b> 272-274	Presentation of the European project models of organising access to intensive care for very preterm births in Europe (MOSAIC) using European diversity to explore models for the care of the very preterm babies.	Zeitlin J, Papiernik E, Breart G, Draper E & Kollee L
Prenatal Diagnosis (2005) <b>25</b> 286-291	Population based study of the outcome following the antenatal diagnosis of cystic hygroma	Howart ES, Draper ES, Budd JLS, Konje J, Kurinczuk JJ & Clarke M
Emergency Medical Journal (2006) <b>23</b> 519-522	Emergency access to neurosurgery in the United Kingdom	Tasker RC, Morris KP, Forsyth RJ, Hawley CA, Parslow RC, on behalf of the UK Paediatric Brain Injury Study
Intensive Care Medicine (2006) <b>32</b> (9) 1458	Organ donation in paediatric traumatic brain injury	Morris KP, Tasker RC, Parslow RC, Forsyth RJ, Hawley CA
Intensive Care Medicine (2006) <b>32</b> (10) 1606-1612	Monitoring and management of intracranial pressure complicating severe traumatic brain injury in children	Morris KP, Forsyth RJ, Parslow RC, Tasker RC, Hawley CA on behalf of the UK Paediatric Traumatic Brain Injury Study Group and the Paediatric Intensive Care Society Study Group
Pediatrics (2006) <b>117</b> 733-742	Assessment and optimisation of mortality prediction tools for admissions to paediatric intensive care in the United Kingdom	Brady AR, Harrison D, Black S, Jones S, Rowan K, Pearson G, Ratcliffe J, Parry GJ; UK PICOS Study Group
Archives of Disease in Childhood Fetal & Neonatal Ed (2007) <b>92</b> 356-360.	Mortality patterns of very preterm babies: a comparative analysis of two European regions in France and England	Draper ES, Zeitlin J, Field DJ, Manktelow BN, Truffert P.
Paediatric Intensive Care Medicine, (2008) <b>9</b> (1) 8-14	Prediction of raised intracranial pressure complicating severe traumatic brain injury in children: implications for trial design	Forsyth RJ, Parslow RC, Tasker RC, Hawley CA, Morris KP. On behalf of the UK Paediatric Traumatic Brain Injury Study Group and the Paediatric Intensive Care Society Study Group (PICS SG)
British Medical Journal (2008) <b>336</b> 7655	Survival of extremely preterm babies in a geographically defined population: prospective cohort study of 1994-9 compared to 2000-5.	Field DJ, Dorling JS, Manktelow B, Draper ES
American Journal of Epidemiology, (2008) <b>167</b> 485-491.	Recreational drug use: a major risk factor for gastroschisis?	Draper ES, Rankin J, Tonks A, Abrams K, Field DJ, Clarke M, Kurinczuk JJ

Archives of Disease in Childhood (2009) <b>94</b> 210 – 215	Epidemiology of Critical Ill Children in England and Wales: incidence, mortality, deprivation and ethnicity	Parslow RC, Tasker RC, Draper ES, Parry GJ, Jones S, Chater T, Thiru K, McKinney P on behalf of Paediatric Intensive Care Audit Network
British Medical Journal (2009) <b>338</b> b1749	Institutional Performance (letter)	McShane P, Draper ES, McKinney P, Parslow R
Pediatric Critical Care Medicine 27 Feb 2009.	Hyperglycemia and insulin therapy in the critically ill child.	Nayak P, Lang H, Parslow RC, Davies P, Morris KP, on behalf of the UK Pediatric Intensive Care Society Study Group (PICS SG).

### K3 Abstracts

Abstract	Title	Authors
Health Protection Agency (HPA) Annual Conference, 12-15 September 2005, Warwick (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 & McKinney PA.
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.
Developmental Medicine and Child Neurology (2005) <b>47</b> (Suppl 101) 4	Design of randomized controlled trials of the management of raised intracranial pressure in paediatric traumatic brain injury	Forsyth RJ, Morris K, Parslow RC, Hawley C & Tasker RC
5 <sup>th</sup> World Congress on Pediatric Critical Care, 24-28 June 2007, Geneva, Switzerland (oral presentation)	Infants admitted to paediatric intensive care with acute respiratory failure in England and Wales	Parslow RC, McKinney PA, Draper ES, O'Donnell R
5 <sup>th</sup> 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
5 <sup>th</sup> World Congress on Pediatric Critical Care, 24-28 June 2007, Geneva, Switzerland (poster presentation)	Admission to PICU with severe bronchiolitis and acute respiratory failure after preterm birth is associated with a longer duration of stay and a higher incidence of apnoeas but not mortality	O'Donnell DR, Parslow RC, McKinney PA, Draper ES
5 <sup>th</sup> World Congress on Pediatric Critical Care, 24-28 June 2007, Geneva, Switzerland (poster presentation)	Severe bronchiolitis is associated with the annual UK winter increase in PICU admissions and prolonged stay compared with other diagnoses	O'Donnell DR, Parslow RC, McKinney PA, Draper ES
5 <sup>th</sup> World Congress on Pediatric Critical Care, 24-28 June 2007, Geneva, Switzerland (poster presentation)	Hyperglycaemia and insulin therapy in UK paediatric intensive care units	Nayak P, Morris KP, Parslow RC
5 <sup>th</sup> World Congress on Pediatric Critical Care, 24-28 June 2007, Geneva, Switzerland (oral presentation)	The effect of missing data on PIM-predicted SMR	Emsden S, Baines P, McClelland T, Parslow RC
5 <sup>th</sup> 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	Using Data to Inform Commissioning of Paediatric Intensive Care	Sidhu S, Rowe S & Thiru K

2007, Edinburgh, UK (poster presentation)		
HSRN and NIHR SDO Programme joint annual conference. 4 & 5 June 2008, Manchester University Conference Centre (oral presentation)	Workforce wellbeing in paediatric intensive care units with and without extended nursing roles.	Coleby D, Tucker J, Draper E, Parry G, McKee L, Skatun D, Davey N, Darowski M
EASD Rome, 44th Annual Meeting of the European Association for the Study of Diabetes Rome, 7-11 September 2008 (Oral Presentation)	Title: Intensive care admissions for acute diabetic complications of children and adolescents in England and Wales.	Bodansky HJ, Parslow RC, Feltbower RG, McKinney PA.
Royal College of Paediatrics and Child Health Conference 2009 30th March-2nd April 2009 – York. (Poster presentation)	Exploring Gender Ratios in Child Mortality and Severe Illness in an Ethnically Mixed Population.	Robin L, Oddie S, Parslow RC.
PICS Annual Meeting, Holland House, Cardiff. 20 <sup>th</sup> November 2008	PIM Recalibration	Parslow RC

## APPENDIX L PICANet survey of information and facilities available to PICU families



### **PICANet Survey of Information and Facilities available to the PICU Family.**

**PICANet UNIT ID NUMBER**

**PICU NAME**

**COMPLETED BY**  
(Name and Designation)

**CONTACT DETAILS**

ParentFacilitiesSurveyFinalv1.2 26/02/2008

*Please read carefully each section below and tick the appropriate box or record your answer as requested.*

## Section 1 - INFORMATION

### A. Admission

1. Does your unit provide parents/guardians with the following:-

- |  |                              |                             |
|--|------------------------------|-----------------------------|
| a) General information leaflet about admission to PICU | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| b) Illness specific leaflets                           | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| c) Leaflet for siblings                                | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| d) Information about PICANet                           | Yes <input type="checkbox"/> | No <input type="checkbox"/> |

2. Are posters containing information about paediatric intensive care displayed in the unit? Yes ☐ No ☐

### B. Communication

3. On admission is each child allocated to a:-

- |                     |                              |                             |
|---------------------|------------------------------|-----------------------------|
| a) Named nurse      | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| b) Nursing team     | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| c) Named consultant | Yes <input type="checkbox"/> | No <input type="checkbox"/> |

4. During PICU stay are non resident parents given specific instructions about how to contact PICU *i.e. a dedicated telephone line, advice to ask for named nurse/team?* Please give details

5. Are parents welcome to be present at the bedside for the clinicians ward round? Yes ☐ No ☐

6. If parents are not present on the round please describe the arrangements for accessing the treating consultant?

7. If parents are not resident/visiting how are they routinely updated about their child's medical progress by the consultant?

### C. Planned Admissions

1. How are children/parents prepared for a planned admission i.e. post-op surgery? *Please describe briefly*

2. Does your PICU have a website? *(If yes, please give the website address)*

Yes ☐ No ☐

WWW.

- a) Are there specific information pages for parents/guardians?

Yes ☐ No ☐

- b) Are there specific information pages for children?

Yes ☐ No ☐

## Section 2 - FACILITIES

Does your unit provide:-

1. A parent/ relatives quiet sitting area

- within unit
- in close proximity to unit

Yes ☐ No ☐  
Yes ☐ No ☐

2. Facilities for siblings i.e. play area/ crèche/ TV

- within unit
- in close proximity to unit

Yes ☐ No ☐  
Yes ☐ No ☐  
Yes ☐ No ☐

3. Facilities for parent(s) to sleep at side of bed

Yes ☐ No ☐

4. Showers on PICU for resident parents

Yes ☐ No ☐

5. Provisions/facilities for parents to access food and drinks 24 hours a day?

- within the unit
- within the hospital

Yes ☐ No ☐  
Yes ☐ No ☐

6. Do parents have to ring a bell to regain entry into PICU?

Yes ☐ No ☐

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7. Specific parent/guardian overnight accommodation Yes ☐ No ☐

a)- if yes, how many rooms?

b)- is this accommodation within close proximity (within 2 minutes)? Yes ☐ No ☐

c)- is there a charge for parents using hospital provided accommodation? Yes ☐ No ☐

- if yes, what is the charge per night? £

- If yes, is assistance available in case of financial hardship ? Yes ☐ No ☐  
(i.e. none or reduced charge for benefit claimants)

*For the next 3 questions please tick the appropriate box*

d) - is parental accommodation used - rarely Yes ☐  
- sometimes Yes ☐  
- often Yes ☐

e) - is parental accommodation full - rarely Yes ☐  
- sometimes Yes ☐  
- often Yes ☐

f)- do you ever experience problems finding available parent/guardian accommodation?  
- rarely Yes ☐  
- sometimes Yes ☐  
- often Yes ☐

8. Do parents/visitors to the unit have to pay to park on-site at the hospital? Yes ☐ No ☐

a) - is there any discretion in parking charges linked to  
- ability to pay Yes ☐ No ☐ Don't know ☐  
- length of inpatient stay Yes ☐ No ☐ Don't know ☐  
- other Yes ☐ No ☐ Don't know ☐

b) - are there general problems in finding parking spaces (even if no charge)? Yes ☐ No ☐ Don't know ☐

9. Is a telephone available on PICU for relatives and friends to make and/or receive calls from relatives and friends? Yes ☐ No ☐

10. Are parents able to use mobile phones within a designated area in PICU? Yes ☐ No ☐

10. Are you aware of any issues that are often raised by parents regarding the facilities available to them? If yes, please describe below Yes ☐ No ☐

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### Section 3 - Visiting

How does your unit manage visiting by friends and relatives other than parents/guardians? *Please describe any restrictions e.g. who or how many may visit?*

### Section 4 - Support

1) Does your unit have the following available to the child and/or PICU family?

- family care sisters	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
- interpreter	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
- social workers	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
- psychologist	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
- counsellors	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
- play therapists	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
- bereavement support	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>

2) Does your PICU have specific links with any support groups i.e. Young at Heart *Please list:-*

3) Does your unit have any specific policies relating to care of the family on PICU? Yes ☐ No ☐

*Please enclose copies of unit policies, documentation and specific information leaflets for parents/siblings produced by your unit*

Return the completed questionnaire and copies of leaflets/additional documentation in the enclosed FREEPOST envelope to:-

Caroline Lamming, PICANet Research Nurse  
University of Leicester, Dept. of Health Sciences, FREEPOST LE3296, 22-28  
Princess Road West, Leicester LE1 6TP  
Tel: 0116 243 4024. Email: [cr14@leicester.ac.uk](mailto:cr14@leicester.ac.uk)

On behalf of the PICANet team thank you for taking the time to complete and return this questionnaire.

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## GLOSSARY

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

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

<b>PCCEWG</b>	Paediatric Critical Care Expert Working Group
<b>PCCMDS</b>	Paediatric Critical Care Minimum Dataset
<b>PCO</b>	Primary Care Organisations
<b>PIAG</b>	Patient Information Advisory Group
<b>PIC</b>	Paediatric Intensive Care
<b>PICANet</b>	Paediatric Intensive Care Audit Network
<b>PICNET</b>	Paediatric Intensive Care Network
<b>PICS</b>	Paediatric Intensive Care Society
<b>PICS SG</b>	Paediatric Intensive Care Society Study Group
<b>PICU</b>	Paediatric Intensive Care Unit
<b>PIM</b>	Paediatric Index of Mortality
<b>PIM 2</b>	Paediatric Index of Mortality version 2
<b>READ Codes</b>	Clinical terminology used to describe clinical conditions, symptoms and observations
<b>RSV</b>	Respiratory syncytial virus
<b>SCT</b>	See SNOMED CT®
<b>SHO</b>	Senior House Officer
<b>SG</b>	Steering Group
<b>SNOMED CT®</b>	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
<b>SMR</b>	Standardised mortality ratio
<b>SHA</b>	Strategic Health Authority
<b>SWACIC</b>	South West Audit of Critically Ill Children
<b>UK PICOS</b>	United Kingdom Paediatric Intensive Care Outcome Study



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