Annual Report of the Paediatric Intensive Care Audit Network

January 2007— December 2009

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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
  - **E1** Great Ormond Street Hospital (PICU_NICU)
  - **E2** Great Ormond Street Hospital (CICU)
- **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 Foundation 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** Belfast Health and Social Care Trust

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Paediatric Intensive Care Audit Network National Report 2007 - 2009 (published August 2010): Universities of Leeds and Leicester. ISBN 978 0 85316 296 4

National Report of the

Paediatric Intensive Care Audit Network

January 2007 – December 2009

ISBN 978 0 85316 296 4

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2 ACKNOWLEDGEMENTS

The ongoing success of this national (and with the inclusion of Ireland, international) clinical audit is highly dependent on the hard work and commitment of a large number of individuals working within the paediatric intensive care community. We are very grateful to all the audit clerks, secretaries, nurses and doctors who support and contribute to the Paediatric Intensive Care Audit Network (PICANet) from their own paediatric intensive care units (PICUs).

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, Our Lady's Children's Hospital Crumlin and the Children's University Hospital, Temple Street from Dublin, Ireland.

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 privilege to be invited to write this brief foreword in my first year as Chair of the PICANet Steering Group. The report itself describes a truly impressive body of work that stands as an example of what systematic clinical audit can achieve. It is clear that this success is the result of the sustained effort, enthusiasm and dedication of those involved since PICANet was set up in 2001 – it has not been achieved overnight.

The value of PICANet is enhanced by the very high and increasing levels of participation by units across the UK. There are strong links with the relevant clinical communities and high levels of trust and mutual respect between the academic and service partners that support PICANet. The whole project benefits from being part of a wider community of related clinical audits, ably supported by the Healthcare Quality Improvement Partnership.

As this report shows, where problems do arise they are often due to technical or data difficulties and here the experience of the team in resolving such problems is apparent. The issue that arose in one unit described in the report illustrates both the success of PICANet as a surveillance tool but also the support that is available to units to resolve the data problems identified.

Since its inception the scope and role of PICANet has gradually expanded beyond its original purpose of comparative audit of outcomes between units. It is now a definitive source of data on workload, and is routinely used for commissioning and reimbursement purposes. It is apparent, for example that there remain considerable variations in levels of access to services for critically ill children across the country.

The dataset is of course widely used for research purposes and is an authoritative resource for validation of risk algorithms. Most recently, the care of critically ill children was in the spotlight because of the swine flu pandemic although the data form that period will appear in a subsequent report.

The team responsible for PICANet continue to strive to improve its value and impact. For example, work has started on a broader approach to defining quality standards beyond the quantitative dataset traditionally collected and this has considerable promise as a future model.

It is also very good to see the emphasis on ensuring patient involvement and understanding of the work of the audit. Sharing PICANet data with patients and their families must be the right approach and is absolutely in keeping with the Coalition Government's policy of making services directly accountable to those they serve. Ultimately it will be those patients that benefit from the work described in this report. Indeed it must be a considerable source of reassurance to their families that such skill and effort is being applied to assuring the highest possible standards of care for their children.

Professor John Newton
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South Central Strategic Health Authority

4 EXECUTIVE SUMMARY

1) PICANet is one of the national clinical audits support by the Health Quality Improvement Programme (HQIP). PICANet provides 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 Paediatric Intensive Care 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) PICANet also aims to facilitate the auditing of the Paediatric Intensive Care Society (PICS) standards for PIC including both clinical and patient / parent reported outcome measures.

4) 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 'case-mix' to provide reliable evidence on patients' outcomes for clinicians, managers, patients. From 2007 the ‘case-mix’ adjustment tool has been the Paediatric Index of Mortality 2 (PIM2).

5) Rigorous data quality procedures, incorporating iterative feedback loops between PICANet and the units as well as unit validation visits by the PICANet team, continue to ensure the dataset is of high quality.

6) Data are presented on 49,003 paediatric intensive care admissions to 28 NHS trusts in the UK over the three year period January 2007 to December 2009. Detailed tables present information nationally, by Strategic Health Authority/Health Board (SHA / HB), Primary Care Organisation (PCO) and named individual NHS trust. Data are available for downloading from the Web in spreadsheet format.

7) Children under 1 year comprise 47.0% of all admissions with an overall excess of boys (56.1%) compared to girls (43.8%). The majority of admissions (60.0%) are unplanned. Over three quarters (77.7%) of children who are retrieved are done so by specialist paediatric intensive care teams.

8) Invasive ventilation procedures are recorded for 64.1% of admissions. This varied from 5% to 88% of patients by NHS Trust in 2009. Similar variation was noted geographically by Strategic Health Authority and Primary Care Organisation.

9) A total of 282,766 bed days were delivered between 2007 and 2009. Just under one third of patients have a length of stay of less than 24 hours and a further third stay between one and three days. Sixteen percent of patients remain within one PIC for seven or more days.

10) 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.

11) The age-sex standardised prevalence for admissions to paediatric intensive care shows considerable geographical variation by both Strategic Health Authority and Primary Care Organisation. This information is of key interest to the commissioners of PIC services.

12) The Paediatric Critical Care Minimum Data Set (PCCMDS) provides the basis for payment by results (PbR) through the establishment of healthcare resource groups. At the time of publication, 29 PICUs representing 24 NHS Hospital Trusts in England and Wales have submitted daily activity data on over 208,000 patient days. PCCMDS data is not subject to the same level of data validation as the core PICANet dataset. However, these data show a wide variation in the level of intensive care activity delivered in different PICUs – ranging from <20% to >80% of admissions relating to intensive care activity.

13) The minimum number of qualified nurses required to staff one critical care bed is at least 7.01 WTE (PICS Standard 164). Currently nine PICUs meet this requirement.

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 Criticial 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

PICANet is an international clinical audit that collects information on children receiving intensive care in Britain and Ireland. Clinical audit provides a way of measuring the quality of care received by patients by looking at what happens to patients during and after their care, and examining how the services that deliver that care are set up.

PICANet collects data to help doctors and nurses to plan how to ensure that the best quality care is given to children in Paediatric Intensive Care Units. These data also help PICANet to describe what external and social factors affect the admission of critically ill children to paediatric intensive care

PICANet works with the teams of doctors and nurses who care for children in Paediatric Intensive Care Units. We have also established links 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:

- Over 49,000 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 2007 - 2009.
- In the UK there are 28 NHS Hospital Trusts where children are admitted for intensive care and 60% of these admissions are as a result of unplanned emergencies.
- Children are generally transported to hospital by specially trained teams of doctors and nurses.
- Nearly half the children are under 1 year of age (47%) and more boys (56%) than girls are admitted for intensive care.
- A large proportion (64%) of children receive help with their breathing via a tube using a machine called a ventilator although the numbers vary by hospital.
- Most children stay in paediatric intensive care 2 days or less but this may vary from less than an hour to over a week.
- It is extremely rare for children to die in paediatric intensive care and over 95% leave this type of specialist care alive.
- All the hospitals taking part in PICANet have death rates which are no higher than expected after taking account of how ill the children they treat are.
- There are minimum standards laid down by the Paediatric Intensive Care Society, the professional society of doctors and nurses who work in paediatric intensive care and PICANet is working with this society to ensure standards are measured properly.

PICANet makes a number of recommendations for improving the Paediatric Intensive Care service. In 2010 these include:

- PICANet continues to work with patient / parent groups and the clinical community to improve the experience of children and parents at a very stressful time.
- PICANet should continue to support the development of and measurement against standards developed in collaboration with the doctors and nurses working in paediatric intensive care.
- NHS Trusts should work closely with commissioners (who pay for paediatric intensive care services) to review their current qualified nurse staffing levels and ensure that PICUs have the right number of staff with the right qualifications.

More information on PICANet can be found at www.picanet.org.uk.

7 BACKGROUND

PICANet was established in 2002, with funding from the Department of Health (DOH) to step up and manage a national paediatric intensive care database that would allow core data to be collected in a standardised way throughout all PICUs in England. Provision of separate funding from Health Commission Wales allowed the audit to cover the PICU in Cardiff.

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. From February 2009, Our Lady's Children's Hospital, Crumlin have been submitting anonymised data to PICANet – their data will be included in next years report once a full year can be analysed. 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 seventh national report produced by PICANet and is based on data submitted by all designated NHS PICUs in the UK.

The 2010 report has again 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 from the same address.

This form of publication has been very successful with over 6000 separate downloads of all or part of the last national report 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 (Dublin) and the proposed inclusion of Children's University Hospital, Temple Street in Dublin 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. 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, 29 PICUs representing 24 NHS Hospital Trusts in England and Wales are submitting the 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 27.

PICANet 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 audit, commissioning and research (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 Dr Akash Deep the clinical lead from King's College Hospital, London, on the thorny issue of how data quality can affect the apparent performance of a PICU. He details how the Trust and unit staff made considerable efforts to get to the root of an apparent excess mortality highlighted in the 2008 PICANet national report. We are very pleased that we were able to implement our policy on units appearing as outliers working closely with the unit. It is a salutary lesson that data quality can make a huge difference to the assessment of performance and we will continue to refine our data validation routines to improve data quality across all PICUs.

Last year, we presented the findings of 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. Using this as a springboard, we are facilitating a PICU families sub-group to support our commitment to expand the involvement of patients and their families in feeding back on their PICU experiences. Details are given in Chapter 11.

The 2009/2010 outbreak of H1N1 has been closely monitored nationally although the expected large-scale disruption to society has not materialised. PICANet recognised that requesting additional data on children admitted to paediatric intensive care with a diagnosis of swine flu would put additional pressure on already stretched services and, in the event of a pandemic of severe disease, it would prove impossible to collect this data. As a compromise, in June 2009, all participating PICUs were asked to simply indicate whether a child admitted to their unit had a confirmed diagnosis of H1N1. This data is in the final stages of verification and validation and we anticipate submitting a report of our analysis before the end of the summer. This work is being carried out in collaboration with the Paediatric Intensive Care Society Study Group.

9 A CLINICIAN'S COMMENTARY

With the 2007 - 2009 Annual Report, PICANet extends into international membership, with data from Eire being collected in 2009. This is an exciting development, as we have all appreciated the benefits of national benchmarking over recent years and look forward to going global. PICANet continues to produce comprehensive and consistent data which commands respect within the clinical community, and from managers and commissioners of the service. It is as important to individuals and institutions in terms of clinical governance, covering both quantitative and qualitative aspects of the care we provide. Currently there is sharp focus on the qualitative aspects of care, and PICANet has embraced this.

Within the clinical community we all get job satisfaction from the care we deliver to children and their families as a team. In contrast, how disappointing and demoralizing it would be if data appeared showed that the care your unit gave was falling short of the mark of similar units. The narrative from Dr Akash Deep navigates the journey from apparently poor unit outcome to inaccurate data collection. This journey, which concluded that the unit was not an outlier in terms of outcome, was important for the morale of his clinical team and the credibility of his unit. It is commendable that the PICANet team played a supportive role in the investigation and conclusion.

While previous reports have alluded to funding pressures in the National Health Service, there can be no doubt that just now we are looking in to the abyss. The significance of the recently launched white paper 'Equity and Excellence: Liberating the NHS' (1) has yet to be realized. It could have wide implications, encompassing not only care delivery, but also strategic planning and service commissioning. Historically, children's services have been vulnerable in major health service reforms, often being described as the 'cinderella' service of the NHS (2). The PICANet data could be invaluable as a mechanism of justifying the scope of our existence in years to come.

Although data from the swine flu pandemic is not part of this report, it was clear that PICANet was the natural route to collect the detailed data that PICS required as part of their strategy in preparing and responding to this potential crisis. The data will be the basis for understanding the impact on our resources, and inform future crisis planning.

The emphasis on the quality of care is topical, and the advent of the Sub-Group of Parents/Patients is a significant PICANet development. The remit of this multi-disciplinary group is to understand and improve the experience children and families have of intensive care, and match it with PICS standards. It is currently planning to investigate specific topics of interest such as weaning from analgesia and sedation. This is extremely important as it often correlates with the child's ability to eat, sleep and play when they leave the intensive care environment. With the current political demand for accountability within our clinical setting, I can think of few better examples of our commitment to this ideal than ensuring we understand and respect the views of children and parents during and after their intensive care experience.

The audit and research aspects of PICANet continue to diversify, with an increasing number of requests for data from clinicians, nurses and commissioners, covering a wide spectrum of activity.

The commitment of PICANet to high quality data collection and submission continues, with monthly validation reports to individual units and site visits. It was disappointing to read that the most recent snapshot of validation visits had shown a slight percentage increase in the overall discrepancy rate, from 8.2% to 9.6%, on data parameters examined, and that more than 50% of these discrepancies were related to the PIM2 calculation. There could be many reasons for this, but it is important for all units to make sure there is dedicated data time for PICANet data collection. The quality and credibility of this report is dependent on the accuracy of the raw data submitted to PICANet.

Intensivists are jokingly caricatured as having a short attention span. For some of our community, the initial response on receiving this report will be to whiz through the commentaries and recommendations, and feast our eyes 'on those funnel plots'. After checking for the position of one's own unit, and hopefully that accompanying sigh of relief, attention usually rapidly turns to how well others have fared. Analysis of the SMR (adjusted and unadjusted) data in this report continues to reflect the overall high standard of care and outcome of critically ill children in the UK. Importantly, it also supports the view that those high standards can be maintained regardless of the number of admissions to the unit, which is consistent with the message contained within previous PICANet reports. This is at odds with a long held and much debated view within the PICU community and literature (3): that smaller units compare unfavourably with large units. The continuing success of smaller units (<8 beds) is perhaps partly explained by the looking at the results of the staffing survey. The medical and nursing complement are comparable, but I was struck by the high percentage of named professionals (pharmacists, physiotherapists and dieticians) supporting the smaller units. There is little doubt that the quality and composition of the multi-disciplinary team delivering intensive care contributes to its success. At the very least, recruitment and retention of appropriate staff does not seem to hamper smaller units or impinge on the quality of care delivered.

Looking forward

PICANet, continues to push the boundaries and pursue new areas of interest. The recalibration of PIM2 continues to be a priority, as was noted last year. The development of a retrieval dataset, which has taken months of careful planning and clinical collaboration, will hopefully be implemented over the next year. This will increase our understanding and knowledge of this crucial time for very unwell children, and the strategic planning and funding for this type of specialist service. It is obvious from the data we have that there is a huge variation in the way this group of children are transported through the length and breadth of the UK.

It would be disingenuous to imagine that despite the high standard of care this document describes that there will be no significant challenges ahead, especially of a financial nature. PICANet is an essential tool to inform the strategic planning and delivery of paediatric intensive care services to ensure adequate and equal access for all children in the UK. The support to the clinical community from the commitment, enthusiasm and loyalty of the PICANet team is highly valued in our common quest to provide high quality care to critically ill children.

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10 IMPLICATIONS OF DATA QUALITY AND INTERFACE PROBLEMS BETWEEN AUDIT MANAGEMENT SYSTEMS ON MORTALITY OUTCOME IN ONE PICU

Background

PICANet has an established policy for dealing with PICUs whose risk-adjusted standardised mortality rate (SMR) falls outside the control limits of the funnel plots produced by individual years and aggregated over the three-year period of the PICANet national report. Falling outside the upper control limit suggests that the data represent an unexpected excess mortality. One of the central tenets of this policy is to examine the quality and completeness of the data supplied to PICANet as the risk-adjustment model used (the Paediatric Index of Mortality or PIM[1], and its later version PIM2[2]) default to normal values if data is missing. Using default normal values results in the expected probability of mortality derived using this model to be *underestimated*, resulting in an increased SMR, especially if this error is systematically repeated.

Concern was initially raised about the reported mortality rate at King's College Hospital PICU for the period 2005-7, identified in the 2008 national report[3]. The unit was above the upper control limit in both un-adjusted and PIM- adjusted SMR charts for this period and was shown to have the highest PIM adjusted mortality of any PICU in Great Britain at that time.

PICANets response

In response to this elevated SMR, PICANet analysed mortality in King's PICU in relation to data quality and coding issues:

This initial analysis identified that the use of the category 'unspecified condition' as a reason for admission was much more common in King's than in other PICUs and this was associated with a higher PIM or PIM2 adjusted mortality. Additional data problems were also identified: the PIM2 variable noting liver failure (a 'high risk' diagnosis which increases the expected probability of mortality for an individual) was often completed with a 'yes' for not recorded, whereas the primary diagnosis (if recorded) clearly indicated liver failure, e.g. 'acute hepatic failure'. In these cases, a child at higher risk of mortality due to liver failure was not noted as having a 'high risk diagnosis' although it was clear from their diagnosis that this was the case. This meant that inaccuracies/inadequacies in the data submitted were leading to alterations in risk calculation which had a direct impact on the calculated SMR.

Analysis of the data also revealed a high proportion of cases with missing or exception values for key variables used in PIM and PIM2, including mechanical ventilation or blood pressure. Again, if the children concerned were mechanically ventilated or had an abnormal blood pressure, their increased risk of mortality would not be reflected in the calculated PIM or PIM2 score.

Our response

This raised a Trust wide concern and was treated as an utmost priority with respect to governance, which received prominence at Chief Executive, Medical Director and Director of Operations level. We had a series of meetings with our management team and decided to follow three specific courses of action:

1) Review and resubmit the data from September 2007 to present:

- PICANet data for all admissions from September 2007 to December 2008 to be reviewed and resubmitted by the consultants by the 30th August 2009 (total of 490 admissions)

- PICANet data for all admissions from January 2009 to mid-July 2009 to be reviewed and resubmitted by the consultants by the 30th September 2009 (total of 233 admissions)

To support this process, a member from the child health management team coordinated collection of medical records on a weekly basis. The notes were manually reviewed by consultants and data was entered into MedICUs our PICU data management system. In addition to the consultants, two Band-5 nurses entered data after extensive training. The whole process of review took approximately two months. This was a challenging task as the consultant body was short of two full time consultants (on maternity leave) and the reviewing of more than 750 case notes in addition to clinical duties was very time consuming.

2) Ensure high quality data is submitted to PICANet prospectively

It was decided that it will be the responsibility of the consultant of the week to check the PICANet data that has been entered on the system for all admissions during the Thursday weekly inpatient meeting. The PICANet administrator will provide an admission list for these meetings and attend the meetings to record any changes that needed to be made to the data.

3) Resolve problems in the interface between MedICUs and PICANet

After we re-submitted the data to PICANet, we were informed that the data quality had not improved adequately and that the number of patients with ''missing diagnoses'' were still in abundance. When we manually went through the list forwarded by PICANet, we found that though the diagnosis was entered in MedICUs, it was not exported onto PICANet. We contacted MedICUs and they sent out a representative to our unit to sort out the issue. After the problem appeared to have been resolved, we then re-exported the data to PICANet.

Another email from PICANet informed us that we had still not entered ''liver failure'' in PIM2 scores and that this would still make our SMR appear high. We were surprised as this time the consultants had ensured that the problem previously encountered was not repeated. We again found, to our frustration, that this parameter was entered in MedICUs, but was not exported onto PICANet. After this problem was sorted by MedICUs, we re-exported the data to PICANet towards the end of November. All King's data were re-exported in Oct/Nov 2009 after dealing with these problems.

At this point the data were investigated in detail, and there had been a substantial improvement in quality in the more recent cases. Recording of liver failure had substantially improved in the more recent data and the number of patients with ''missing diagnoses'' were negligible.

Impact of our response

PICANet re-analysed the data for us and representatives from the PICANet team visited the unit to discuss the implications of revised data figures and the new report. We were glad to learn that that improved data quality resulted in a greatly improved SMR for the unit which

was now 1.07, falling directly in line with our peers. This was a very useful exercise for all staff on the unit, confirming that if data quality is not satisfactory or if there are technical problems in the process (e.g. the interface problem between our local data management system and PICANet), this could influence important outcome variables for the unit which might therefore appear artificially inflated.

Summary

The apparent increased mortality at King's was accounted for by inaccuracies and inadequacies in the data submitted, as well as difficulties with software interfaces rendering data submission difficult. This demonstrates the importance of data quality in risk adjustment. PICANet has a detailed validation process for data submitted, but the complexities of the data problems identified meant that they did not register during this process, as data returns were deemed 'valid' (but were not correct). Following review of more than 700 patient records, correction and resubmission of the data and resolution of the interface problems, the PICU at King's College Hospital was found to have a SMR entirely in keeping with that of its peers. Identifying and resolving these difficulties with data has enabled a valuable learning process which will shape our data collection and submission for the future and revealed lessons which may be of value to other units.

Acknowledgements

We thank the PICANet team who very patiently worked with us and supported us at a very difficult time. This whole exercise would not have been possible without the help and support of our Clinical Director, Divisional Manager and of course everyone who helped in the collection and and reviewing of the notes (my consultant and nursing colleagues, and members of the child health management team)

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

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

3) National Report of the Paediatric Intensive Care Audit Network January 2005 - December 2007 (published June 2008): Universities of Leeds and Leicester. ISBN 978 0 85316 275 9.

11 PICU FAMILIES SUB GROUP

Working with the clinical community PICANet have formed a sub-group to consider how the family can be involved in determining quality standards of care within the PICU.

The initiation of this working group followed a presentation by a PICU parent at the PICANet 2008 annual meeting and a PICANet survey of units; undertaken to determine the type of information and facilities currently available to parents and families, whilst their child is being cared for on the paediatric intensive care unit.

The group have now met twice and agreed the following remit –

To develop research projects on aspects of patient and public involvement within the paediatric intensive care service

- to ensure that the research outcome will enhance and support the experience of the child and family
- to facilitate the monitoring of the appropriate Standards of the Paediatric Intensive Care Society

Currently a number of ideas are being considered for future projects including:

1) The development of a questionnaire asking families about the availability of services, facilities and support during their PICU stay and comparison of the findings with reported availability from a staff survey. This would enable individual units to review themselves against comparable PICU's in the United Kingdom and Eire.
2) A project to consider the PICU patient and family perspective of weaning from analgesia.

The group is open to any nurses and clinicians who are interested in the perspective of patient and public involvement in paediatric intensive care.

Membership of the PICU Families Sub-group (May 2010)

Name	Position	Organisation
Dr John Alexander	Consultant in Paediatric Intensive Care	University Hospital of North Staffordshire PICU
Dr Gillian Colville	Clinical Psychologist	St Georges Hospital
Professor Elizabeth Draper	Principal Investigator	PICANet
Ms Debra Ehala	Sister	Newcastle Royal Victoria Infirmary
Dr Hilary Klonin	Consultant in Paediatric Intensive Care	Hull Royal Infirmary ITU
Ms Caroline Lamming	Research Nurse	PICANet
Ms Tina McClelland	Audit Sister	Alder Hey Hospital
Dr Ulf Thielen	Consultant Paediatric Intensivist	Edinburgh Royal Hospital for Sick Children

12 THE PICANet DATASET

12.1 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 comprises 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.

12.2 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.

12.3 Retrievals dataset

To date PICANet has not collected detailed information on retrievals of critically ill children , 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.

12.4 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. Units using 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.

12.5 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 the Department of Health 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.

12.6 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).

12.7 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.

13 DATASET DEFINITIONS FOR THIS REPORT

1) This report covers the three year period January 2007 - December 2009. During this time, there were 50,220 admissions to participating PICUs.

2) There are 29 participating NHS trusts (located in England, Wales, Scotland, Northern Ireland and Eire), 25 of whom collected data for the entire reporting period. Barts and the London, NHS Greater Glasgow and Clyde and Belfast Health and Social Care Trust did not contribute data for the whole period. Data from Health Services Executive, Eire is not included in this year's report.

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 49,003 over the three year period. In addition there were 1217 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.

14 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 2007 and 2008 since the publication of the sixth national report. The data in this report are those supplied to PICANet up to June 24th, 2009 when the dataset was frozen.

15 ADMISSION DATA

15.1 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.

15.2 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 (1.7%) and missing addresses (0.6%). Figure 10 shows the SHA / HB boundaries overlaid by the primary care structure.

15.3 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)[1]. 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)[2] for comparability.

15.4 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’.

15.5 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 17,540 (35%) 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.

15.6 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 2008. ISBN: 1 876980 69 9 [Online] [Accessed 19/06/2009] Available from the World Wide Web at http://www.anzics.com.au/downloads/doc_download/286-2008-anzpic-registry-annual-report

16 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.

17 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 2007 – 2009.

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 2007 to 2009. The proportion of children invasively ventilated has been used as a very rough proxy for level of care.

18 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 2007 until their discharge (or until 24:00 on 31 December 2009 if not discharged). Children admitted during the report period but discharged in 2010 (or who are still on the PICU) are counted from their admission date until 24:00 on 31 December 2009.

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.

19 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[1] by the observed number of deaths in each trust.

Unadjusted and risk-adjusted SMRs are presented by trust and year for 2007, 2008, 2009 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.[2] 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.

19.1 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.

20 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 36,487 individual patients representing the 49,003 admissions (0 - 15 years) during 2007 - 2009.

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 one trust.

21 PREVALENCE FOR ADMISSION

Age and sex specific prevalence for admission to PICUs in Great Britain has been calculated with 95% Poisson confidence intervals using 2008 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.

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.

22 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). This data is summarised in tables 62 – 67.

For 2007 data was also provided by SWACIC. This data is not available for 2008-9. Consequently numbers are reduced. In 2007, 305 admissions were reported by SWACIC.

Signed consent was obtained from the unit director of each AICU. The data for 2009 is from 97 hospitals who have agreed to the release of data to PICANet. 60 hospitals have not agreed to such release. A further 23 units have agreed but had no children. 4 units in Wales and 1 in Northern Ireland have also agreed to the supply of data. One unit in England submits data to PICANet as well as ICNARC and is excluded here.

23 RE-ADMISSIONS TO PICU AND EFFECTS ON MORTALITY

PICANet is concerned with children, but most of our report deals with 'admissions'. Only tables 56 - 59 attempt to deal with the fact that a fairly large minority of children come back to PICU, some, many times. Our 'mortality' tables (41 - 50) report on the death rate per admission; the death rate per child is obviously somewhat higher.

Concern has been raised particularly about cases where a child is discharged and re-admitted quite rapidly. How should these cases be analysed? Should we be treating these as one admission? If so, then the number of admissions and bed days will be lower, and the death rate higher, than is apparent.

In an attempt to examine this question, cases were identified where a child had been admitted, discharged and re- admitted to the same centre, with time between discharge and re-admission less than 24 hours. Children were identified by PID.

Although overall these cases represented about 2.5% of all admissions, the proportion varied between units, with two having over 8%. It is not clear whether these are differences in clinical practice or recording. In addition some cases were identified where discharge and re- admission were simultaneous and in further cases a child had more than one discharge and rapid re-admission.

The largest group of these children were recorded (in 'careareaad') as admitted from theatre: there is no corresponding code for discharge to theatre, and they are often recorded as having been previously discharged to 'unknown' or 'ward'. This suggests that they may be admitted prior to planned surgery and re-admitted afterwards. There is a large group who are discharged to and re- admitted from a ward.

The effect of treating such cases as one admission is to increase unadjusted mortality proportionately. For example the death rate in 2009 increases from 4.31% to 4.42%.

The effect on risk adjusted mortality is more complex, because the PIM2 score is likely to differ in the two admissions. However, investigation suggested that there was no consistent change in PIM2 and so risk adjusted SMR was also raised; although the mean increase was only 1.6%, over units by year the largest increase was 10.5% (predicted mortality = 100%).

It follows that length of stay will also be increased. However, effects are again modest: in no site was the median actual length of stay increased by as much as eight hours, and overall the median values changed very little. Effects on means or extreme values can be greater.

In conclusion we found that overall effects on estimated mortality and length of stay of rapid readmission are modest but should be taken into account when comparing centres.

An opposite effect occurs when looking at 30- day follow- up data. A child with repeated admissions in a month who dies after the last discharge may (correctly) be recorded as having 30 day follow-up status as 'dead' on each admission although they have clearly only died once; likewise a child may be re-admitted and die in PICU: this means that tables 51 - 55 can overestimate the number of these deaths. For example, Table 55 of the report indicates that Trusts I and V both have 14 '30 day' deaths but analysis suggests that the true numbers of deaths are six and seven.

A further issue here is that at least one Trust reports deaths in PICU as ‘follow-up deaths’.

Taking all these factors into consideration, and given that a death should only be counted once, the true numbers of 30 day deaths recorded are 77, 73 and 95 in the years of this report. This does not of course take into account those cases where data is not recorded.

24 PICU STAFFING SURVEY

PICANet is committed to monitoring and analysing staffing levels within PICUs, and to monitoring the appropriate Standards of the Paediatric Intensive Care Society. The annual collection of staffing information was recommenced in December 2009 and the information collected has been analysed to permit comparison with data collected in 2005 and monitoring of the appropriate Draft Standards for the Care of Critically Ill Children; Version 2, June 2010. The data collection will be amended for future staffing studies, in line with the standards which are finally due to be published this year.

Staffing questionnaires have previously been sent out to units in 2003, 2004, and October 2005. Information was collected on numbers of nursing staff and medical staff employed on units, and details were recorded at four specific 'snapshot' time periods (a weekday at noon and midnight, and a weekend at noon and midnight). Additionally in 2009 information was collected about other professionals working on PICU and retrieval services. Thirty units in 27 trusts returned data in 2009.

For copies of the most recent questionnaires, please see Appendix L.

24.1 Staffing survey return rates

The staffing questionnaires, designed in order to assess levels and grades of PICU staff, were first developed in 2003. These have been refined and updated for each round of surveys. The most recent questionnaires were distributed in December 2009 and the data collected is compared to that obtained in October 2005.

The questionnaires were sent to the lead doctor and senior nurse in each PICU. Response rates for both 2005 and 2009 (for the nursing and medical establishment surveys and the snapshot surveys) are shown below:

Table 1 Response rate from participating NHS trusts to the PICANet staffing survey

Time of survey	Number of trusts surveyed	Number of returns			
		Doctors		Nurses	
		n	%	n	%
Oct-05	25	20[a]	80	24[c]	96
Dec-09	29	25[b]	86	26[d]	89

Notes: a no data returned from trusts F, G, L, N and Y.
b no data returned from trusts B, I, J, ZC and hospital K2
c no data returned from trust G
d no data returned from trusts B, J, T

Table 2 Response rate from participating NHS trusts to daily snapshot surveys (snapshots)

Time of survey		Number of returns	
		n	%
Oct-05	25	23[e]	92
Dec-09	29	27[f]	93

Notes: e no data returned from trusts G, P. Nursing data only from trusts A, J.
f no data returned from trusts B, J. Nursing data only from trusts I, ZC.

24.2 Nursing staff

Under the Agenda for Change established in 2004, NHS pay scales are by bands rather than grades. Nursing staff data collected by PICANet in 2005 were a mixture of grades and bands, for the purpose of this report grades A-C were mapped to bands 1-4, grades D-E to band 5, grade F to band 6, grade G to band 7 and grades H-I to band 8, as the mapping of grades to bands is not directly comparable for all units.

Table 3 shows the proportion of qualified nurses, specially trained children's nurses and nurses with additional training in paediatric intensive care identified as working in PICU in December 2009.

Table 3 Proportion of qualified nurses by their level of paediatric qualification, intensive care qualification and additional life support training.

BAND	Number of qualified nurses	% of children's trained nurses	% with additional intensive care qualification	% with PLS[a] training	% with EPLS[b]/ APLS[c] training
Band 5	1398	74	33	50	3
Band 6	588	94	85	52	48
Band 7	275	93	97	65	66
Band 8	30	60	60	53	60

Data not available from trusts B, N, J and T
a PLS Paediatric Life Support Training – includes Hospital Life Support Training
b APLS Advanced Paediatric Life Support Training
c EPLS European Paediatric Life Support training

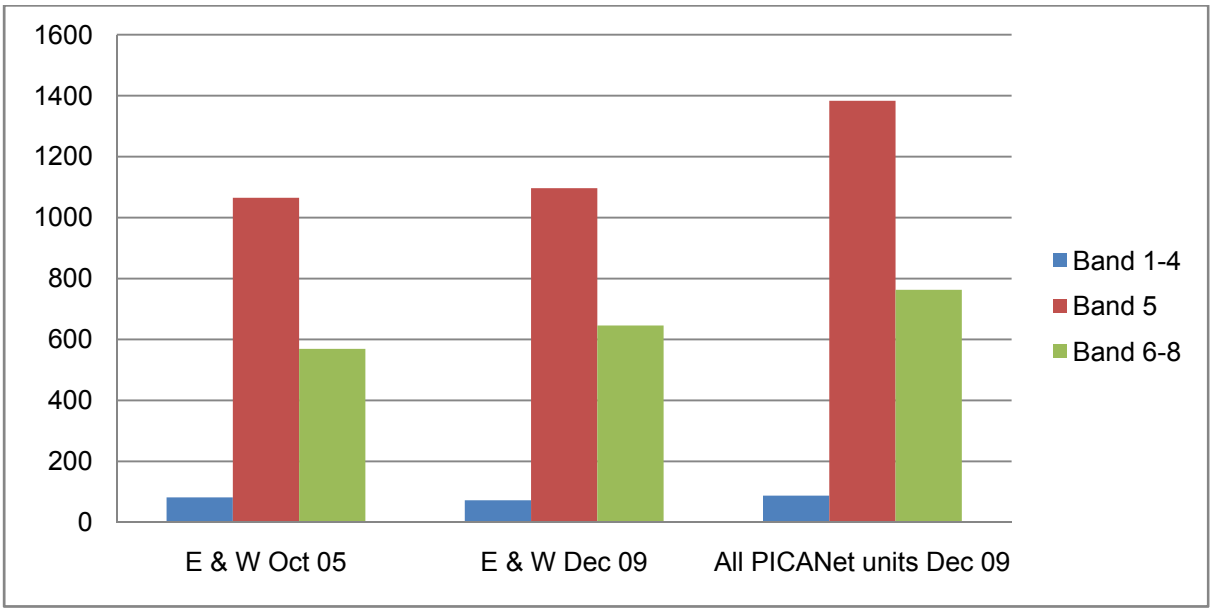
Table 4 Numbers of nursing staff (WTE) by band and NHS trust (October 2005 and December 2009)

	Nursing staff (WTE) by grade (Oct 05)							
	A-C (1-4)		D-E (5)		F-I (6-8)		Total	
NHS trust	n	%	n	%	n	%	n	%
A	0.0	(0)	25.1	(58)	18.5	(42)	**43.6**	**(2.5)**
B	0.0	(0)	4.4	(52)	4.0	(48)	**8.4**	**(0.5)**
C	1.0	(2)	32.7	(71)	12.3	(27)	**46.0**	**(2.7)**
D	2.6	(3)	59.4	(61)	35.3	(36)	**97.2**	**(5.7)**
E	6.6	(3)	136.7	(64)	68.6	(32)	**212.0**	**(12.4)**
F	4.4	(4)	66.1	(60)	39.3	(36)	**109.8**	**(6.4)**
H	3.5	(9)	21.9	(58)	12.4	(33)	**37.8**	**(2.2)**
I	10.1	(8)	67.2	(56)	43.0	(36)	**120.3**	**(7.0)**
J	0.0	(0)	2.0	(33)	4.1	(67)	**6.1**	**(0.4)**
K	9.3	(8)	71.3	(65)	29.6	(27)	**110.2**	**(6.4)**
L	4.0	(9)	29.7	(69)	9.3	(22)	**43.0**	**(2.5)**
M	2.2	(5)	28.1	(58)	18.5	(38)	**48.9**	**(2.8)**
N	1.0	(2)	23.8	(53)	20.1	(45)	**44.9**	**(2.6)**
O	2.0	(4)	35.3	(63)	18.4	(33)	**55.7**	**(3.2)**
P	3.0	(2)	99.4	(72)	36.5	(26)	**138.8**	**(8.1)**
Q	3.4	(5)	36.9	(59)	22.5	(36)	**62.8**	**(3.7)**
R	3.2	(5)	45.4	(70)	16.5	(25)	**65.1**	**(3.8)**
S	0.8	(3)	5.0	(20)	19.5	(77)	**25.3**	**(1.5)**
T	5.2	(15)	17.4	(50)	12.5	(36)	**35.0**	**(2.0)**
U	1.0	(3)	16.4	(43)	20.7	(54)	**38.1**	**(2.2)**
V	5.0	(4)	72.0	(62)	38.6	(33)	**115.6**	**(6.7)**
W	1.0	(1)	73.6	(75)	24.0	(24)	**98.6**	**(5.7)**
X	8.1	(10)	43.8	(56)	26.3	(34)	**78.2**	**(4.6)**
Y	4.4	(6)	51.7	(69)	18.7	(25)	**74.7**	**(4.4)**
Total	**81.8**	**(4.8)**	**1065.1**	**(62.1)**	**569.1**	**(33.2)**	**1716.0**	

	Nursing staff (WTE) by grade (Dec 09)												
	Band 2-4		Band 5		Band 6		Band 7		BAND 8 Modern Matron				
NHS Trust	n	%	n	%	n	%	n	%	n	%	Total	% of all units	Band 8 other
A	0.0	0	22.3	54	11.8	28	6.6	16	1.0	2	**41.7**	**1.9**	**0.0**
C	1.8	4	13.8	31	23.8	54	3.5	8	1.0	2	**43.9**	**2.0**	**0.0**
D	0.0	0	77.3	73	19.0	18	8.5	8	1.0	1	**105.8**	**4.9**	**5.0**
E1	1.0	1	65.7	49	45.6	34	20.4	15	1.0	1	**133.8**	**6.2**	**0.0**
E2	4.0	4	37.0	41	38.5	42	10.0	11	1.8	2	**91.3**	**4.3**	**1.0**
F	6.0	5	63.6	51	34.7	28	20.5	16	1.0	1	**125.8**	**5.9**	**1.0**
G	1.8	8	18.1	76	1.6	7	1.3	5	1.0	4	**23.8**	**1.1**	**0.0**
H	6.0	11	25.0	45	16.8	30	7.0	13	1.0	2	**55.8**	**2.6**	**0.0**
I	0.0	0	50.3	62	17.7	22	12.6	15	1.0	1	**81.6**	**3.8**	**0.0**
K1,3	9.4	13	49.8	70	10.8	15	0.7	1	0.0	0	**70.7**	**3.3**	**1.0**
K2	0.0	0	42.2	77	6.7	12	5.9	11	0.0	0	**54.8**	**2.6**	**0.0**
L	2.6	7	12.1	31	18.1	46	5.7	14	1.0	3	**39.4**	**1.8**	**0.0**
M	0.0	0	22.8	56	9.7	24	8.1	20	0.0	0	**40.6**	**1.9**	**0.0**
N	0.5	1	20.5	52	11.2	28	7.0	18	0.0	0	**39.2**	**1.8**	**0.0**
O	3.4	10	16.8	51	8.9	27	3.0	9	1.0	3	**33.1**	**1.5**	**1.0**
P	8.9	6	107.3	68	29.3	19	11.4	7	1.0	1	**157.8**	**7.4**	**3.0**
Q1	0.0	0	12.0	44	9.5	35	5.6	21	0.0	0	**27.0**	**1.3**	**0.0**
Q2	5.0	6	33.0	40	36.0	44	6.8	8	1.0	1	**81.8**	**3.8**	**1.0**
R	2.6	4	50.4	68	11.6	16	8.2	11	1.0	1	**73.8**	**3.4**	**0.0**
S	1.8	7	11.3	41	13.5	49	1.0	4	0.0	0	**27.6**	**1.3**	**0.0**
U	0.0	0	13.0	31	18.6	45	8.9	21	1.0	2	**41.5**	**1.9**	**0.0**
V	3.1	2	118.7	73	25.6	16	15.3	9	1.0	1	**163.7**	**7.6**	**0.0**
W	3.0	3	81.4	77	11.4	11	8.4	8	1.0	1	**105.1**	**4.9**	**0.0**
X1	0.0	0	25.9	65	7.6	19	5.7	14	0.5	1	**39.7**	**1.9**	**0.0**
X2	1.9	5	23.3	66	6.4	18	3.6	10	0.3	1	**35.5**	**1.7**	**0.0**
Y	5.2	6	60.1	68	15.4	17	7.2	8	1.0	1	**88.9**	**4.1**	**0.0**
Z	2.5	9	10.3	37	9.8	35	4.6	16	1.0	4	**28.3**	**1.3**	**0.0**
ZA	8.0	7	83.0	69	18.0	15	10.0	8	1.0	1	**120.0**	**5.6**	**3.0**
ZB	2.0	4	38.2	79	5.6	12	2.7	6	0.0	0	**48.5**	**2.3**	**0.0**
ZC	0.0	0	105.5	86	0.0	0	16.0	13	1.0	1	**122.5**	**5.7**	**0.0**
Total	**80.5**	**5%**	**1310.7**	**60%**	**493.0**	**23%**	**236.1**	**11%**	**22.6**	**1%**	**2142.9**		**16.0**

2009 Trust G is a 10 bedded critical care unit with two designated paediatric intensive care beds; the figures presented are 20% of the given nursing establishment.

Figure 1 Total numbers of nursing staff (WTE) by grade (October 2005 and December 2009)



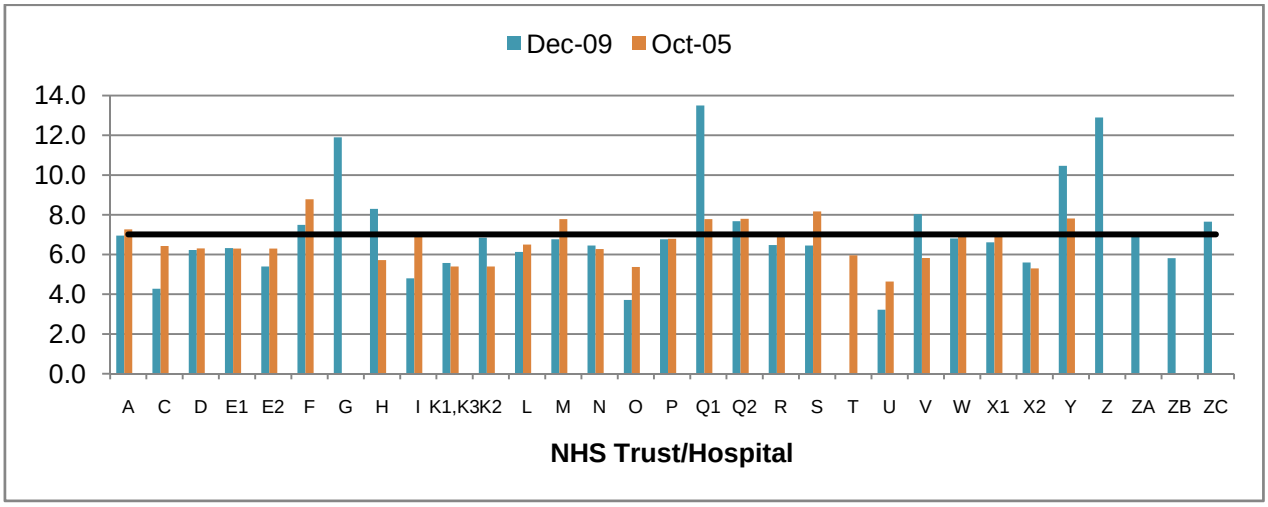
E & W England & Wales
Notes: Oct 05 Trust G is not included in the above figure as data was not available.
Dec 09 Trust B, J, and T not included in the above figure as data was not available.

The total numbers of nursing staff, by band are shown in Figure 1. There has been a small increase in qualified nursing staff over time with 1065 WTE band 5 nurses in October 2005 and 1097 WTE in December 2009 and for bands 6-8 there were 569 nurses in 2005 compared with 646 in 2009.

Standard 164. The unit's nursing establishment and nursing rosters should be appropriate to the anticipated number and dependency of patients. Staffing levels should be the ratios in Appendix 13 which states: **the minimum number of qualified nurses required to staff 1 critical care bed is, at least 7.01 whole time equivalents (WTE).**

Previous standards endorsed the benchmark of 6.4 WTE per bed. The RCN recommends a minimum of 25% uplift to nursing establishments to cover annual leave, study leave and sick leave. Additional considerations are study leave, mandatory and statutory training, maternity, special leave and an allowance for a nurse in charge and/or runners. The final calculation takes the minimum WTE per bed to 7.01. This guideline is shown on the graph.

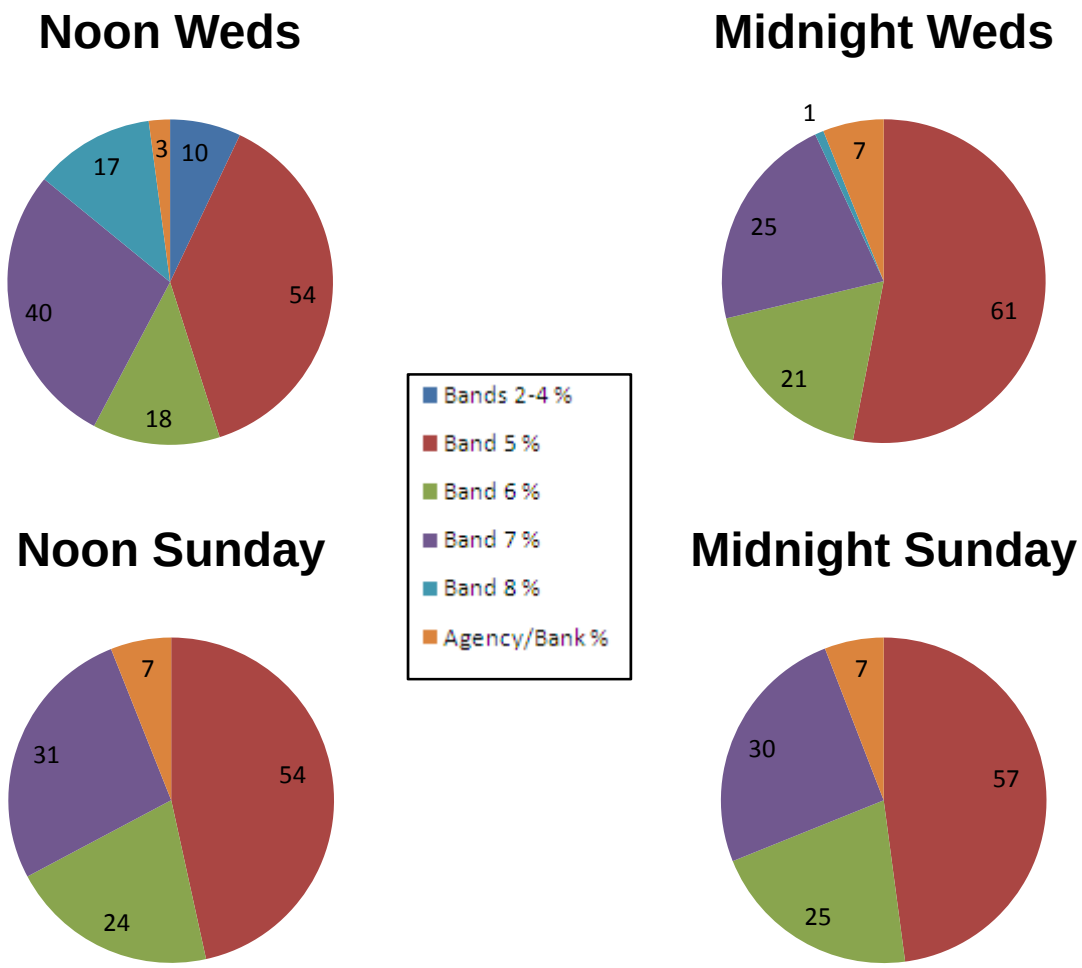
Figure 2 The number of clinically qualified nursing staff (WTE) per bed, by NHS trust (October 2005 and December 2009)



Trust B and J not included in the above figure as data was not available for 2009.
T did not return nurse staffing data for 2009.
For units E1&E2, K1, K2 & K3, Q1 &Q2 data in 2005 was only available by trust.
Units Z, ZA, ZB and ZC were not included in PICANet in 2005.

Figure 2 shows the total numbers of WTE clinically qualified nursing staff per funded intensive care bed (beds identified as high dependency within the PICU are excluded from this analysis) for each unit. The number of beds is based on the figures returned by the units in October 2005 and December 2009. Data for all qualified nursing staff and the number of funded intensive care beds on each unit are calculated from the data returned by the units in December 2009. These figures do not include non-clinical staff such as educators and retrieval co-ordinators who are not clinically active on PICU. The guideline of 7.01 minimum qualified nurses WTE per bed is indicated on the graph. Figure 2 shows that 9 units meet Standard 164 with a qualified nursing establishment of 7.01 WTE per bed. An additional 10 units meet the previous standard of 6.4 WTE per bed.

Figure 3 Proportion (percentage) of nursing staff by clinical and qualification status working on PICU for the four snapshot time periods (noon and midnight Wednesday and Sunday, week commencing 7th December 2009)



The snapshot surveys looked at the numbers of nursing staff working on a weekday (Wednesday) at midday and midnight and a weekend (Sunday) at midday and midnight. Figure 3 shows the proportion of untrained and trained nurses by band (clinical and non-clinical) and agency nursing staff (bands 5-7) - at four different time periods in 2009.

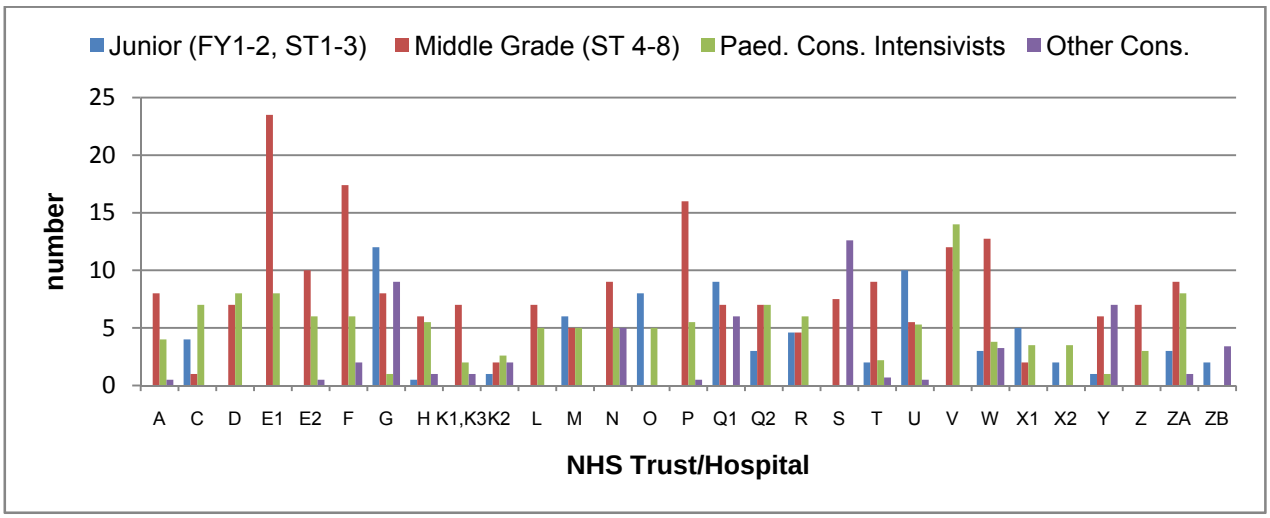
Figure 3 shows that there are no band 8 nurses on duty at noon and midnight on Sunday. The same proportion of agency / bank nurses are on duty at noon on Wednesday and midnight on Wednesday and Sunday; this is more than twice the proportion on duty at noon on Wednesday. The proportion of band 7 nurses on duty at noon on Wednesday is higher than at the other snapshot time periods.

24.3 Medical staff

Table 5 Numbers of medical staff (WTE) by position and unit (December 2009)

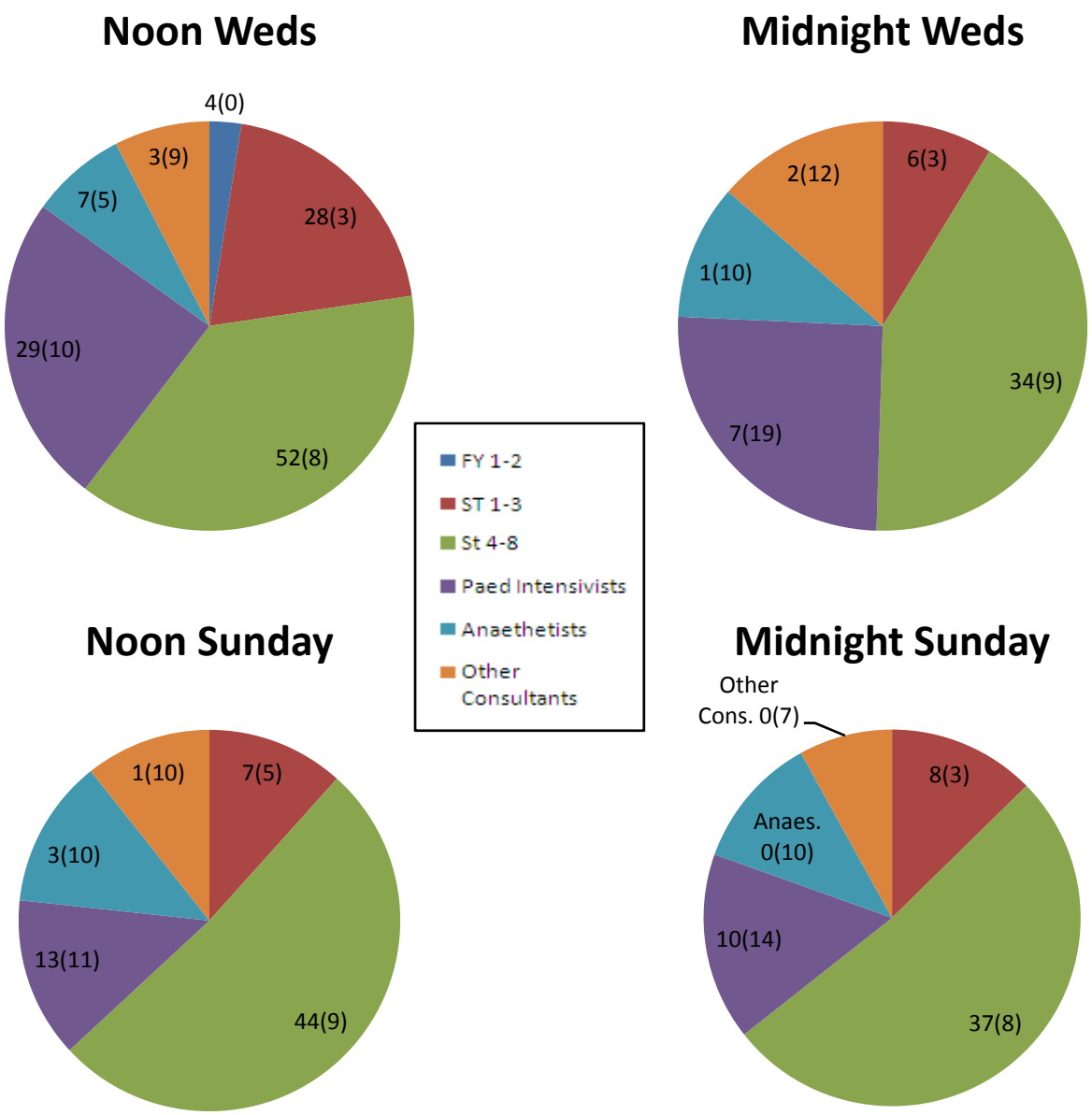
NHS Trust	Junior (FY1-2, ST1-3)		Middle Grade (ST4-8)		Paediatric Consultant. Intensivists		Other Consultants.		Total establishment by unit
	n	%	n	%	n	%	n	%	n
A	0	0	8	64	4	32	0.5	4	**12.5**
C	4	33	1	8	7	58	0	0	**12**
D	0	0	7	47	8	53	0	0	**15**
E1	0	0	23.5	75	8	25	0	0	**31.5**
E2	0	0	10	61	6	36	0.5	3	**16.5**
F	0	0	17.4	69	6	24	2	8	**25.4**
G	12	40	8	27	1	3	9	30	**30**
H	0.5	4	6	46	5.5	42	1	8	**13**
K1	0	0	7	70	2	20	1	10	**10**
K2	1	13	2	26	2.6	34	2	26	**7.6**
L	0	0	7	58	5	42	0	0	**12**
M	6	38	5	31	5	31	0	0	**16**
N	0	0	9	47	5	26	5	26	**19**
O	8	62	0	0	5	38	0	0	**13**
P	0	0	16	73	5.5	25	0.5	2	**22**
Q1	9	41	7	32	0	0	6	27	**22**
Q2	3	18	7	41	7	41	0	0	**17**
R	4.6	30	4.6	30	6	39	0	0	**15.2**
S	0	0	7.5	37	0	0	12.6	63	**20.1**
T	2	14	9	65	2.2	16	0.7	5	**13.9**
U	10	47	5.5	26	5.3	25	0.5	2	**21.3**
V	0	0	12	46	14	54	0	0	**26**
W	3	13	12.75	56	3.8	17	3.25	14	**22.8**
X1	5	48	2	19	3.5	33	0	0	**10.5**
X2	2	36	0	0	3.5	64	0	0	**5.5**
Y	1	7	6	40	1	7	7	47	**15**
Z	0	0	7	70	3	30	0	0	**10**
ZA	3	14	9	43	8	38	1	5	**21**
ZB	2	37	0	0	0	0	3.4	63	**5.4**
TOTAL	**76.1**	**16%**	**216.25**	**45%**	**132.9**	**27%**	**55.95**	**12%**	**481.2**

Figure 4 Numbers of medical staff (WTE) by position and NHS trust (October 2009)



Units X1 & X2 Paediatric Consultant Intensivists work across 2 sites in trust.

Figure 5 Proportion (number) of medical staff by position working on PICU and on call for the four snapshot time periods (Weds 9th and Sunday 13th December 2009)

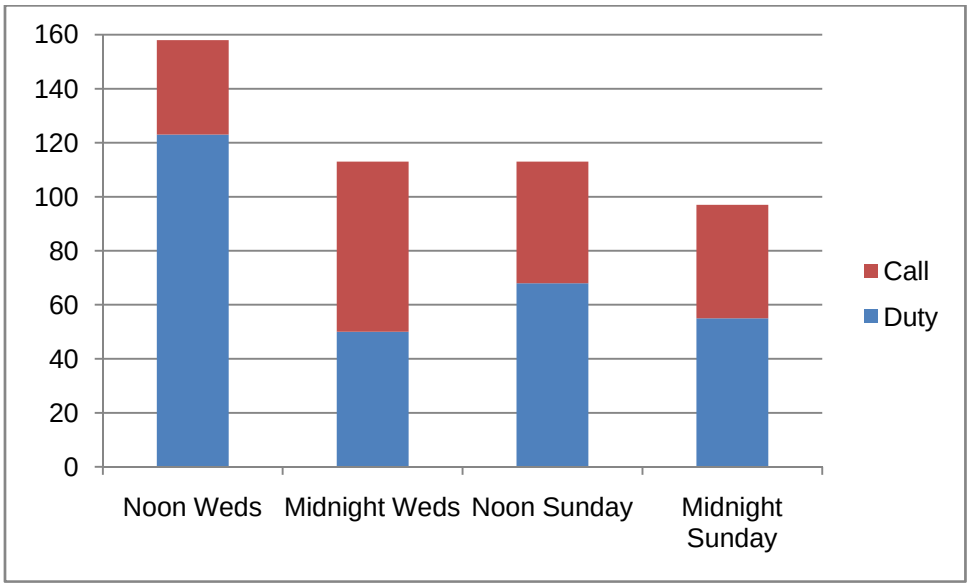


For each snapshot time period the chart shows the proportion of medical staff of a specific grade on duty; with the number on call in brackets following.

The snapshot surveys looked at the numbers of medical staff working on a weekday (Wednesday) at midday and midnight and a weekend (Sunday) at midday and midnight. Figure 5 shows the proportion of Junior, Middle Grade and Consultants (paediatric consultant intensivists, anaesthetists and others) at four different time periods in 2009.

Figure 5 shows that Foundation Year 1-2 doctors are only on duty at noon on Wednesday, in addition one unit had an associate nurse practitioner on duty working as a junior doctor. The number of Paediatric Intensive Care Consultants on duty is higher at noon and midnight on Wednesday than at the snapshot times on Sunday.

Figure 6 Number of medical staff on duty and on call at the four snap shot time periods.



24.4 Occupancy

Figure 7 Total number of critical care beds and the number occupied at the four snapshot time periods.

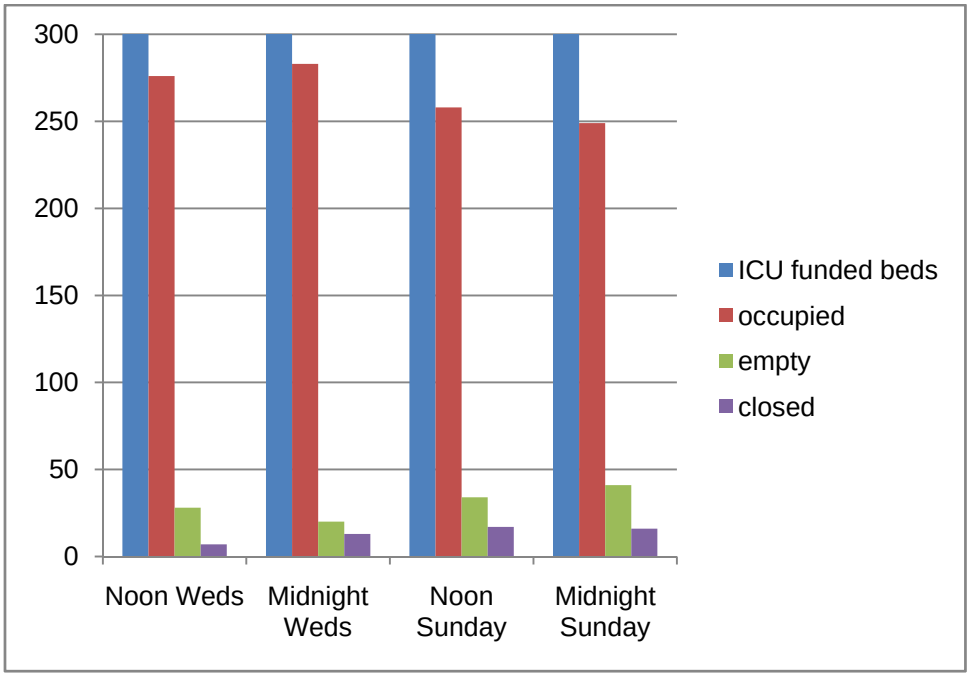
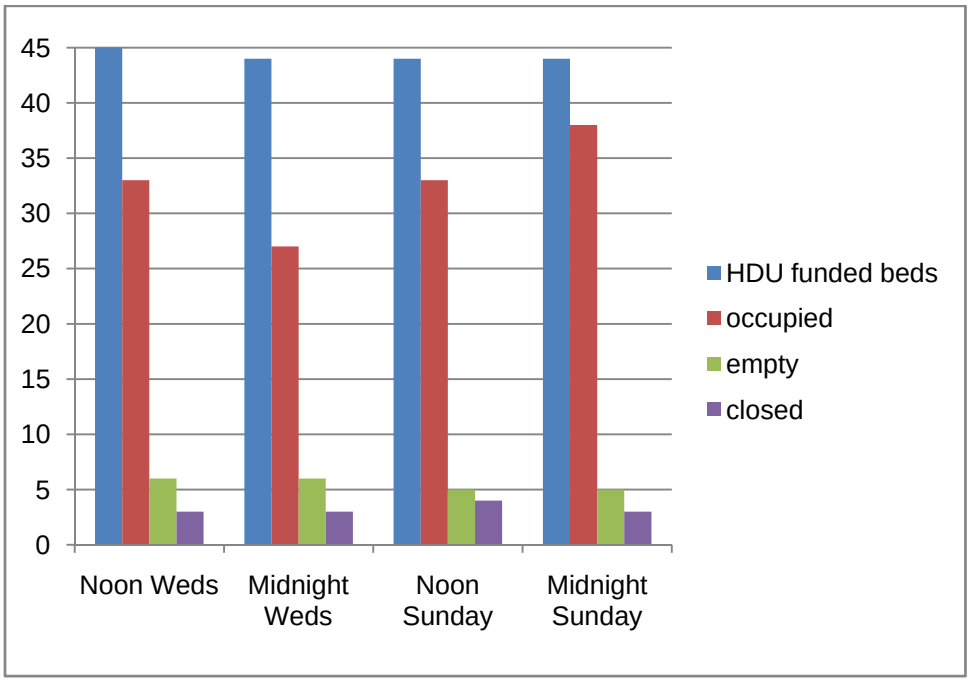


Figure 8 Total number of high dependency beds and the number occupied at the four snap shot time periods



Trust L is funded to provide 13 care levels flexibly divided between critical and high dependency care.

Figures 7 and 8 show the numbers of critical care and high dependency beds occupied on the units on a weekday (Wednesday) at midday and midnight and a weekend (Sunday) at midday and midnight.

24.5 Other professionals

Standard 170. Daily sessional support should be available to the Paediatric Intensive Care unit from pharmacy, physiotherapy and dietetic staff with competencies in the care of critically ill children who have time in their job plans allocated for their work on the unit.

Figure 9 Proportion of units with more and less than 8 beds and the availability of other professionals.

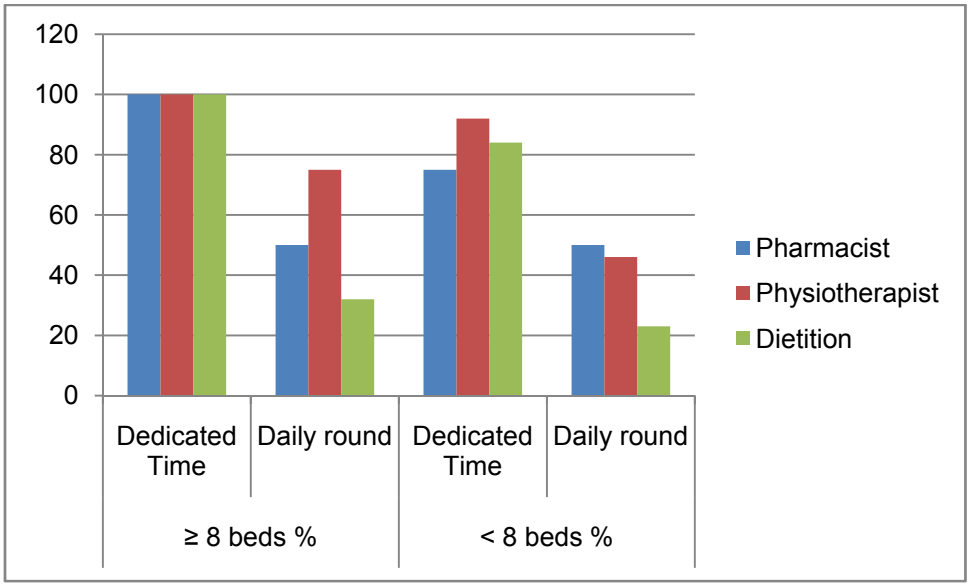


Figure 9 shows the proportion of units with 8 and more beds and the proportion of units with less than 8 beds with dedicated time from a pharmacist, physiotherapist and dietician and the proportion of these units where the named professional attends the daily ward round. All the units with 8 and more beds and over 70 percent of the units with less than 8 beds have dedicated time from the named professionals, providing daily sessional support to the units and therefore meeting Standard 170.

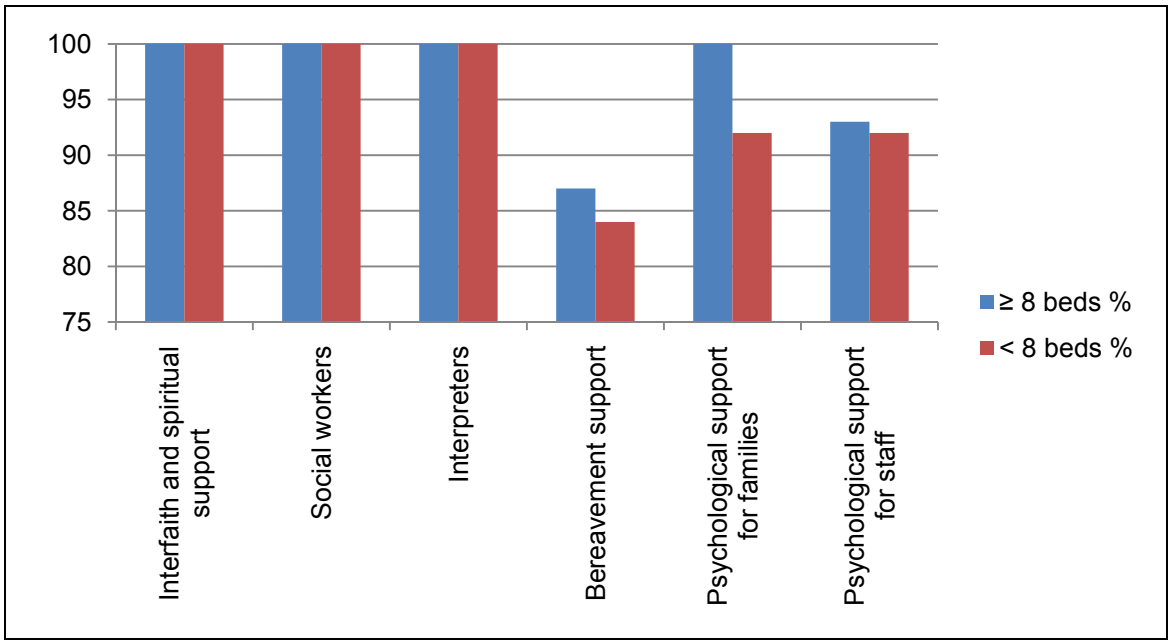
24.6 Support for critically ill children and their families

Standard 144. The following support services should be available:

- Interfaith and spiritual support
- Social workers
- Interpreters
- Bereavement support
- (Patient advice and Advocacy Services)
- Psychological support for families and children

Availability is not defined but should be appropriate to the case mix and needs of the patient.

Figure 10 Proportion of PICUs with more than and less than 8 beds and the availability of specified support services.



2009 data was not collected about Patient Advice and Advocacy Services

Figure 10 shows the proportion of units with 8 and more beds and the proportion of units with less than 8 beds; in which the support services specified in Standard 144 are available. 100% of units have social workers, interpreters, interfaith and spiritual support available and a service providing psychological support for families is available in all units with more than 8 beds.

Summary

- Although the response rates to the PICANet survey in 2009 were 86% or above we aim to collect complete data from all units.
- The majority of nurses employed are band 5 (60% in 2009)
- The 2009 survey shows that 30%of the units meet Standard 264 of the revised PICS guideline (June 2010), with at least 7.01 WTE of qualified nurses per critical care bed.
- The snapshot survey shows that the majority of medical staff are middle grades (45% in 2009).
- Over half the trusts who returned data on the medical establishment questionnaire identified that they had junior medical staff working on PICU (58% in 2009).
- All the units with ≥ 8 beds and over 70 percent of the units with < 8 beds have dedicated time from the named professionals, providing daily sessional support to the units and therefore meeting Standard 170.
- 100% of units have social workers, interpreters, interfaith and spiritual support - Standard 144.

References

1) The Agenda for Change (AfC) website: http://www.dh.gov.uk/PolicyAndGuidance/HumanResourcesAndTraining/ModernisingPay/fs/en (accessed 24 April 2006).
2) Paediatric Intensive Care Society Standards for the care of Critically Ill Children version 2 June 2010. (Draft)

25 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.

25.1 Unit Validation Visits

Since September 2009 nine PICU's have received validation visits: 7 undertaken by a single observer and 2 visits to Pan-Thames Units by two observers. Two units received their first validation visit having joined PICANet in 2008 – 2009.

At each visit the units are asked to provide 10 sets of case notes for consecutive admissions before a specified date three months prior to the visit. Ideally 100% of the records should be available and Table DQ1 shows that this was achieved in seven of the nine units visited with a range of 9-12 admissions reviewed. In two units the records for 12 admissions were reviewed, in these cases the same child had been discharged and readmitted to PICU within the specified time period creating two PICANet admission records.

Table DQ1 Number of case-notes reviewed, visit date and number of discrepancies noted during validation visits performed September 2009-May 2010

Date visited Month	Year	PICU ID	No. of sets of notes	No. of discrepancies
Sept	**2009**	29	9	6
Oct		34	12	28
Nov		23	10	20
Nov		32	10	45
Dec		13	10	42
Mar	**2010**	35	10	31
Mar		10	12	16
Apr		19	9	11
May		24	10	14

Twenty-four fields were examined for discrepancies between the case notes and the PICANet data collection forms and/or PICANet database. The total number of discrepancies found was 213 and the mean per episode (per set of case notes reviewed) 2.3 (range 0-15). As there were 24 fields checked this is an overall discrepancy rate of 9.6%. The number of discrepancies found during each visit is shown in Table DQ1.

Figure DQ1 Number of discrepancies per set of admission notes reviewed.

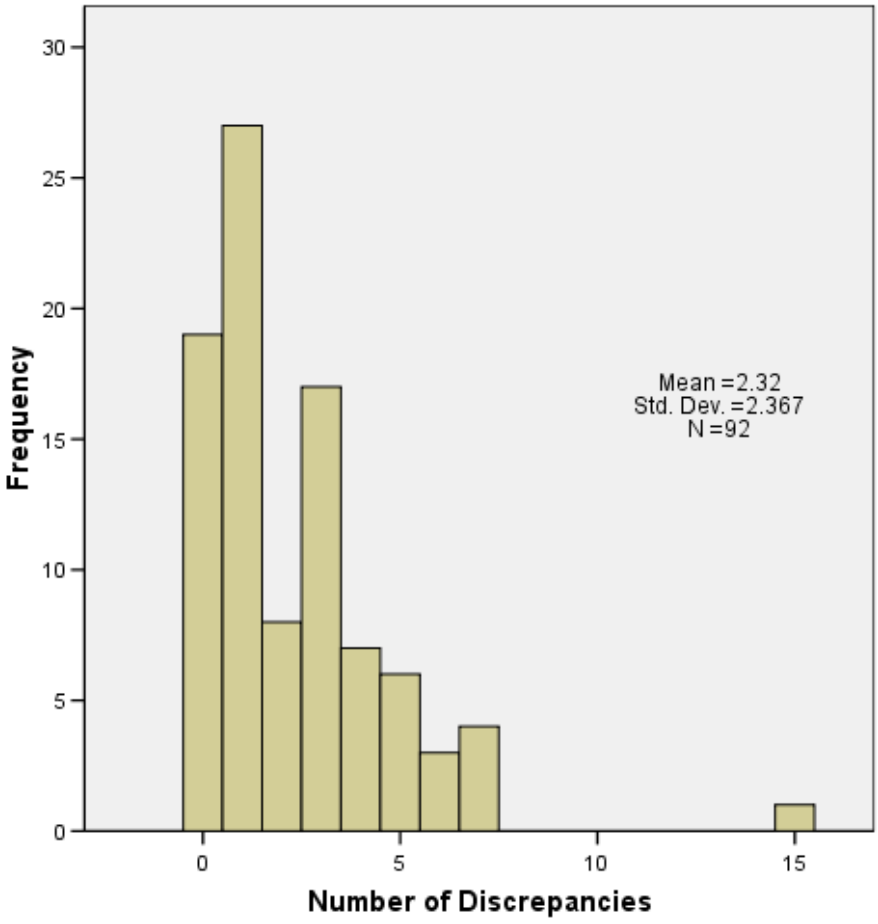
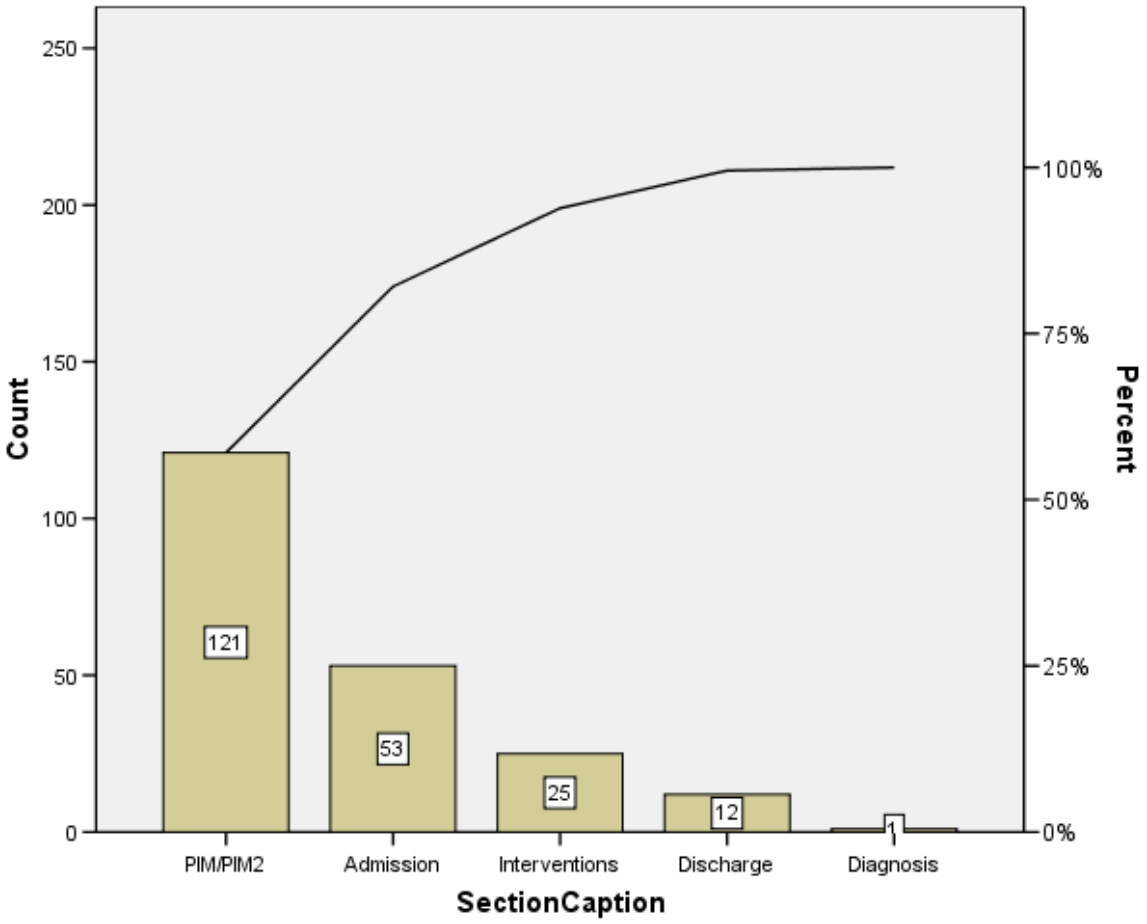


Table DQ2 number of discrepancies noted per set of admission notes

Number of discrepancies	Number of admission notes	Percent
0	19	20.7
1	27	29.3
2	8	8.7
3	17	18.5
4	7	7.6
5	6	6.5
6	3	3.3
7	4	4.3
15	1	1.1
Total	**92**	**100**

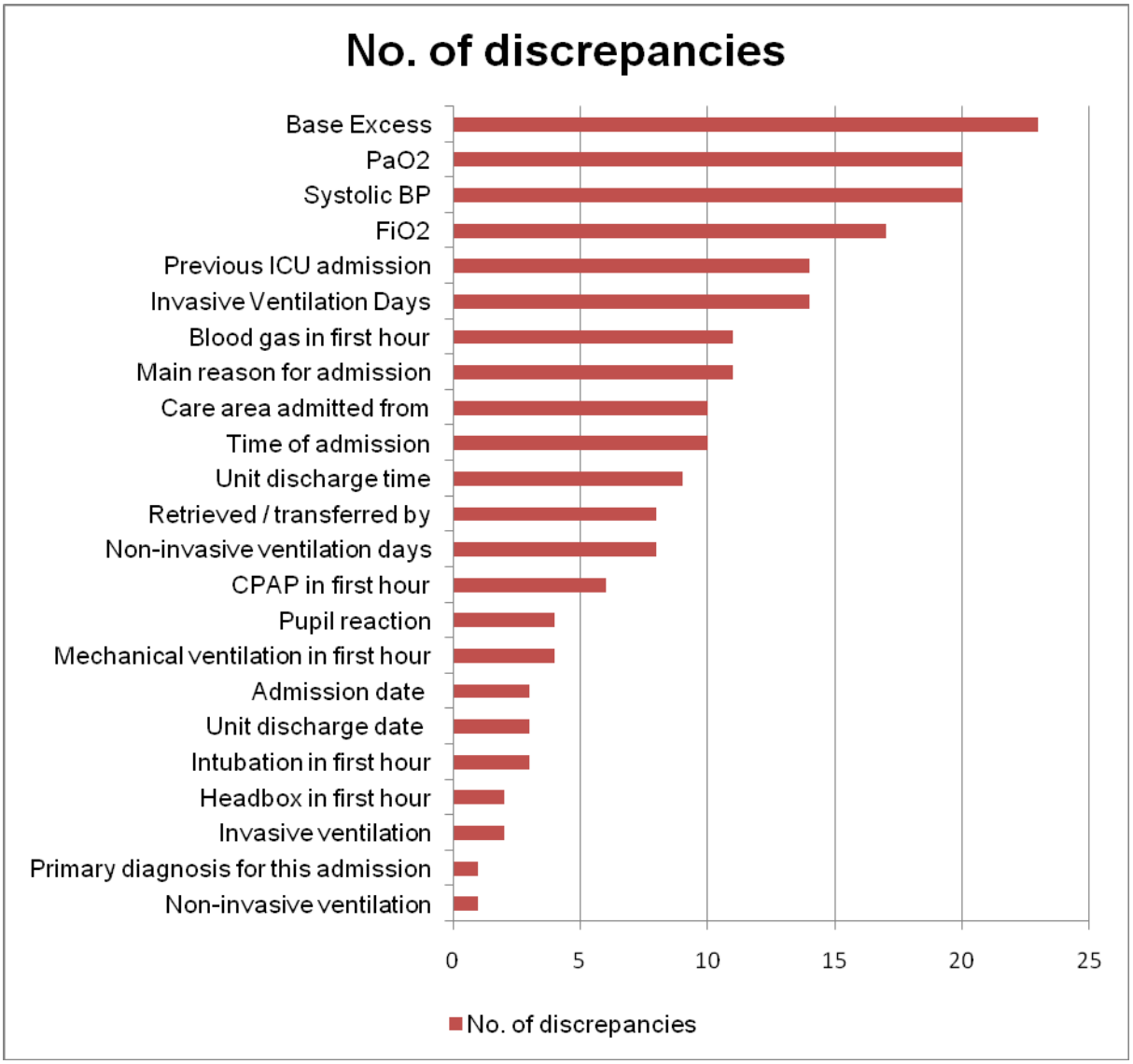
The validation visits enable an assessment of data accuracy to be carried out and assist with the detection of systematic errors. In total 92 sets of admission notes have been reviewed on the day of the visits. The number of discrepancies found per episode (set of admission notes reviewed on the day of the visits) is shown in Figure DQ1. In Table DQ2 it can be seen that no differences were found in around 21% of the case notes reviewed. The maximum number of differences found were 15 in one set of notes, 50% contain zero or one difference and around 49% contain two to seven differences. The overall discrepancy rate from this cohort of validation visits was 9.6% compared with 8.2% noted during validation visits undertaken from November 2007-May 2009.

Figure DQ2 Number of discrepancies found by category.



Sources of discrepancies shown in table DQ2 reveal that errors were most notable in physiology variables associated with the Paediatric Index of Mortality 2 (PIM 2); admission criteria and the number of days of ventilation.

Figure DQ3 Number of discrepancies found by variable.



56% (121) of discrepancies, involved data items used to calculate PIM2, especially base excess, systolic blood pressure, PaO2 and FiO2, which together account for 37% (80) of the total differences found and 66% of the PIM2 discrepancies. Many of these discrepancies are due to earlier values being found on review of retrieval notes or results being recorded from an incorrect blood gas sample. PIM2 records the first value measured and recorded within the period, from the time of first contact with the PICU doctor to one hour after admission to PICU. Only arterial blood gas measurements are acceptable for the PaO2 and for the base excess, arterial or capillary blood gas measurements measured within the specified period are required.

25% (54) of the total discrepancies relate to admission criteria; that is source information collected from the time period prior to and at admission to PICU; notably previous ICU admission (14), which specifies that the child has had a previous admission to an intensive care environment during the current hospital stay, and the care area admitted from immediately before admission to PICU (10).

The days of ventilation (invasive and non-invasive), recorded as part of the Paediatric Critical Care Minimum Data Set (PCCMDS), are counted. Incorrect recording of days of ventilation

accounted for 18% (22) of the total discrepancies found. Review has shown that there continues to be notable undercounting of days of ventilation. If the admission receives the specified type of ventilatory support, invasive or non-invasive, at any time during the 24 hour period from 00.00 to 23.59; one day of ventilation should be recorded on the PCCMDS record. Therefore the admission may be recorded as receiving both invasive and non-invasive support during the same 24 hour period.

During the validation visit the numbers of admissions per month, recorded in the PICU admission book, are counted independently and the figures are checked against the number of cases submitted to PICANet database. The unit are asked to scrutinise any differences identified to ensure that all admissions to the PICU are included in PICANet reports.

Relevant findings from the validation process are discussed with PICU staff at the time of the visit and a written report is returned to the unit facilitating assessment of the findings.

Table DQ3 Data completeness

FIELD	Eligible	Complete						Incomplete					
		Valid		Exceptions		Total		Invalid		Blank		Total	
		n	%	n	%	n	%	n	%	n	%	n	%
ADDATE	**50220**	50220	(100.0)	0	(0.0)	**50220**	**(100.0)**	0	(0.0)	0	(0.0)	**0**	**(0.0)**
ADDRESS1	**50201**	50147	(99.9)	0	(0.0)	**50147**	**(99.9)**	0	(0.0)	54	(0.1)	**54**	**(0.1)**
ADNO	**50220**	50217	(100.0)	0	(0.0)	**50217**	**(100.0)**	0	(0.0)	3	(0.0)	**3**	**(0.0)**
ADTIME	**50220**	50186	(99.9)	0	(0.0)	**50186**	**(99.9)**	0	(0.0)	34	(0.1)	**34**	**(0.1)**
ADTYPE	**50220**	50117	(99.8)	77	(0.2)	**50194**	**(99.9)**	0	(0.0)	26	(0.1)	**26**	**(0.1)**
APDIAG	**50220**	50220	(100.0)	0	(0.0)	**50220**	**(100.0)**	0	(0.0)	0	(0.0)	**0**	**(0.0)**
BASEEXCESS	**33898**	32067	(94.6)	1814	(5.4)	**33881**	**(99.9)**	0	(0.0)	17	(0.1)	**17**	**(0.1)**
BGFIRSTHR	**50220**	49518	(98.6)	625	(1.2)	**50143**	**(99.8)**	0	(0.0)	77	(0.2)	**77**	**(0.2)**
BPSYS	**50220**	44450	(88.5)	5651	(11.3)	**50101**	**(99.8)**	0	(0.0)	119	(0.2)	**119**	**(0.2)**
CAREAREAAD	**49710**	48793	(98.2)	908	(1.8)	**49701**	**(100.0)**	0	(0.0)	9	(0.0)	**9**	**(0.0)**
CASENO	**50220**	50219	(100.0)	0	(0.0)	**50219**	**(100.0)**	0	(0.0)	1	(0.0)	**1**	**(0.0)**
DELORDER	**2010**	1877	(93.4)	132	(6.6)	**2009**	**(100.0)**	0	(0.0)	1	(0.0)	**1**	**(0.0)**
DISPALCARE	**47948**	47335	(98.7)	610	(1.3)	**47945**	**(100.0)**	0	(0.0)	3	(0.0)	**3**	**(0.0)**
DOB	**50201**	50201	(100.0)	0	(0.0)	**50201**	**(100.0)**	0	(0.0)	0	(0.0)	**0**	**(0.0)**
DOBEST	**50220**	50201	(100.0)	0	(0.0)	**50201**	**(100.0)**	0	(0.0)	19	(0.0)	**19**	**(0.0)**
DOD	**2742**	2734	(99.7)	0	(0.0)	**2734**	**(99.7)**	0	(0.0)	8	(0.3)	**8**	**(0.3)**
ECMO	**50220**	50105	(99.8)	34	(0.1)	**50139**	**(99.8)**	0	(0.0)	81	(0.2)	**81**	**(0.2)**
ETHNIC	**50220**	50196	(100.0)	0	(0.0)	**50196**	**(100.0)**	0	(0.0)	24	(0.0)	**24**	**(0.0)**
FAMILYNAME	**50220**	50201	(100.0)	0	(0.0)	**50201**	**(100.0)**	0	(0.0)	19	(0.0)	**19**	**(0.0)**
FIO2	**33898**	26943	(79.5)	6931	(20.4)	**33874**	**(99.9)**	0	(0.0)	24	(0.1)	**24**	**(0.1)**
FIRSTNAME	**50220**	50201	(100.0)	0	(0.0)	**50201**	**(100.0)**	0	(0.0)	19	(0.0)	**19**	**(0.0)**
FU30DISSTATUS	**46285**	23453	(50.7)	22547	(48.7)	**46000**	**(99.4)**	0	(0.0)	285	(0.6)	**285**	**(0.6)**
FU30LOCATION	**23106**	19111	(82.7)	3994	(17.3)	**23105**	**(100.0)**	0	(0.0)	1	(0.0)	**1**	**(0.0)**
FU30LOCHOSP	**3727**	3603	(96.7)	123	(3.3)	**3726**	**(100.0)**	0	(0.0)	1	(0.0)	**1**	**(0.0)**
GEST	**28459**	20222	(71.1)	8188	(28.8)	**28410**	**(99.8)**	0	(0.0)	49	(0.2)	**49**	**(0.2)**
HEADBOX	**33898**	33372	(98.4)	519	(1.5)	**33891**	**(100.0)**	0	(0.0)	7	(0.0)	**7**	**(0.0)**
ICPDEVICE	**50220**	50059	(99.7)	64	(0.1)	**50123**	**(99.8)**	0	(0.0)	97	(0.2)	**97**	**(0.2)**
INTTRACHEOSTOMY	**50220**	49975	(99.5)	169	(0.3)	**50144**	**(99.8)**	0	(0.0)	76	(0.2)	**76**	**(0.2)**
INTUBATION	**33898**	33675	(99.3)	216	(0.6)	**33891**	**(100.0)**	0	(0.0)	7	(0.0)	**7**	**(0.0)**
INTUBEVER	**50220**	50220	(100.0)	0	(0.0)	**50220**	**(100.0)**	0	(0.0)	0	(0.0)	**0**	**(0.0)**
INVVENT	**50204**	50091	(99.8)	45	(0.1)	**50136**	**(99.9)**	0	(0.0)	68	(0.1)	**68**	**(0.1)**
INVVENTDAY	**31970**	31943	(99.9)	22	(0.1)	**31965**	**(100.0)**	0	(0.0)	5	(0.0)	**5**	**(0.0)**
LVAD	**50220**	50090	(99.7)	34	(0.1)	**50124**	**(99.8)**	0	(0.0)	96	(0.2)	**96**	**(0.2)**
MECHVENT	**50220**	49840	(99.2)	305	(0.6)	**50145**	**(99.9)**	0	(0.0)	75	(0.1)	**75**	**(0.1)**
MEDHISTEVID	**50220**	49949	(99.5)	208	(0.4)	**50157**	**(99.9)**	0	(0.0)	63	(0.1)	**63**	**(0.1)**
MULT	**50220**	39792	(79.2)	10404	(20.7)	**50196**	**(100.0)**	0	(0.0)	24	(0.0)	**24**	**(0.0)**
NHSNO	**50220**	45391	(90.4)	635	(1.3)	**46026**	**(91.6)**	0	(0.0)	4194	(8.4)	**4194**	**(8.4)**
NONINVVENT	**50220**	50068	(99.7)	72	(0.1)	**50140**	**(99.8)**	0	(0.0)	80	(0.2)	**80**	**(0.2)**
NONINVVENTDAY	**7325**	7322	(100.0)	3	(0.0)	**7325**	**(100.0)**	0	(0.0)	0	(0.0)	**0**	**(0.0)**
PAO2	**33898**	26993	(79.6)	6900	(20.4)	**33893**	**(100.0)**	0	(0.0)	5	(0.0)	**5**	**(0.0)**
POSTCODE	**50220**	50172	(99.9)	0	(0.0)	**50172**	**(99.9)**	0	(0.0)	48	(0.1)	**48**	**(0.1)**
PREVICUAD	**50220**	49504	(98.6)	686	(1.4)	**50190**	**(99.9)**	0	(0.0)	30	(0.1)	**30**	**(0.1)**
PRIMDIAG	**50220**	50122	(99.8)	0	(0.0)	**50122**	**(99.8)**	4	(0.0)	94	(0.2)	**98**	**(0.2)**
PRIMREASON	**50220**	49938	(99.4)	217	(0.4)	**50155**	**(99.9)**	0	(0.0)	65	(0.1)	**65**	**(0.1)**
PUPREACT	**50220**	46622	(92.8)	3522	(7.0)	**50144**	**(99.8)**	0	(0.0)	76	(0.2)	**76**	**(0.2)**
RENALSUPPORT	**50220**	50086	(99.7)	38	(0.1)	**50124**	**(99.8)**	0	(0.0)	96	(0.2)	**96**	**(0.2)**
RETRIEVAL	**50220**	50015	(99.6)	175	(0.3)	**50190**	**(99.9)**	0	(0.0)	30	(0.1)	**30**	**(0.1)**
RETRIEVALBY	**16921**	16859	(99.6)	62	(0.4)	**16921**	**(100.0)**	0	(0.0)	0	(0.0)	**0**	**(0.0)**
SEX	**50220**	50204	(100.0)	12	(0.0)	**50216**	**(100.0)**	0	(0.0)	4	(0.0)	**4**	**(0.0)**
SOURCEAD	**50220**	50187	(99.9)	7	(0.0)	**50194**	**(99.9)**	0	(0.0)	26	(0.1)	**26**	**(0.1)**
TIMEDTH	**2256**	2254	(99.9)	0	(0.0)	**2254**	**(99.9)**	0	(0.0)	2	(0.1)	**2**	**(0.1)**
UNITDISDATE	**50204**	50201	(100.0)	0	(0.0)	**50201**	**(100.0)**	0	(0.0)	3	(0.0)	**3**	**(0.0)**
UNITDISDEST	**47948**	47926	(100.0)	18	(0.0)	**47944**	**(100.0)**	0	(0.0)	4	(0.0)	**4**	**(0.0)**
UNITDISDESTHOSP	**46348**	42591	(91.9)	3757	(8.1)	**46348**	**(100.0)**	0	(0.0)	0	(0.0)	**0**	**(0.0)**
UNITDISSTATUS	**50220**	50204	(100.0)	0	(0.0)	**50204**	**(100.0)**	0	(0.0)	16	(0.0)	**16**	**(0.0)**
UNITDISTIME	**50204**	50159	(99.9)	0	(0.0)	**50159**	**(99.9)**	0	(0.0)	45	(0.1)	**45**	**(0.1)**
VASOACTIVE	**50220**	50080	(99.7)	44	(0.1)	**50124**	**(99.8)**	0	(0.0)	96	(0.2)	**96**	**(0.2)**
Total	**2434519**	**2348441**	**(96.5)**	**79768**	**(3.3)**	**2428209**	**(99.7)**	**4**	**(0.0)**	**6306**	**(0.3)**	**6310**	**(0.3)**

Table DQ4 Data completeness by year (all variables)

Year	Month	Eligible	Completion											
			Complete						Incomplete					
			Valid		Exceptions		Total		Invalid		Blank		Total	
			n	%	n	%	n	%	n	%	n	%	n	%
2007	**1**	**63338**	61052	(96.4)	2172	(3.4)	**63224**	**(99.8)**	1	(0.0)	113	(0.2)	**114**	**(0.2)**
	2	**57525**	55413	(96.3)	1986	(3.5)	**57399**	**(99.8)**	0	(0.0)	126	(0.2)	**126**	**(0.2)**
	3	**62942**	60625	(96.3)	2210	(3.5)	**62835**	**(99.8)**	0	(0.0)	107	(0.2)	**107**	**(0.2)**
	4	**62707**	60433	(96.4)	2161	(3.4)	**62594**	**(99.8)**	0	(0.0)	113	(0.2)	**113**	**(0.2)**
	5	**67547**	65173	(96.5)	2270	(3.4)	**67443**	**(99.8)**	0	(0.0)	104	(0.2)	**104**	**(0.2)**
	6	**63469**	61232	(96.5)	2137	(3.4)	**63369**	**(99.8)**	0	(0.0)	100	(0.2)	**100**	**(0.2)**
	7	**65729**	63461	(96.5)	2147	(3.3)	**65608**	**(99.8)**	0	(0.0)	121	(0.2)	**121**	**(0.2)**
	8	**64533**	62304	(96.5)	2121	(3.3)	**64425**	**(99.8)**	0	(0.0)	108	(0.2)	**108**	**(0.2)**
	9	**58995**	56865	(96.4)	1999	(3.4)	**58864**	**(99.8)**	0	(0.0)	131	(0.2)	**131**	**(0.2)**
	10	**69162**	66880	(96.7)	2186	(3.2)	**69066**	**(99.9)**	0	(0.0)	96	(0.1)	**96**	**(0.1)**
	11	**71471**	68991	(96.5)	2344	(3.3)	**71335**	**(99.8)**	0	(0.0)	136	(0.2)	**136**	**(0.2)**
	12	**68242**	65677	(96.2)	2428	(3.6)	**68105**	**(99.8)**	0	(0.0)	137	(0.2)	**137**	**(0.2)**
2007 Total		**775660**	**748106**	**(96.4)**	**26161**	**(3.4)**	774267	(99.8)	**1**	**(0.0)**	**1392**	**(0.2)**	**1393**	**(0.2)**
2008	**1**	**71574**	69114	(96.6)	2304	(3.2)	**71418**	**(99.8)**	0	(0.0)	156	(0.2)	**156**	**(0.2)**
	2	**61358**	59159	(96.4)	2078	(3.4)	**61237**	**(99.8)**	0	(0.0)	121	(0.2)	**121**	**(0.2)**
	3	**66155**	63698	(96.3)	2211	(3.3)	**65909**	**(99.6)**	1	(0.0)	245	(0.4)	**246**	**(0.4)**
	4	**65375**	63046	(96.4)	2155	(3.3)	**65201**	**(99.7)**	0	(0.0)	174	(0.3)	**174**	**(0.3)**
	5	**66016**	63688	(96.5)	2200	(3.3)	**65888**	**(99.8)**	0	(0.0)	128	(0.2)	**128**	**(0.2)**
	6	**64833**	62509	(96.4)	2180	(3.4)	**64689**	**(99.8)**	0	(0.0)	144	(0.2)	**144**	**(0.2)**
	7	**67302**	64975	(96.5)	2151	(3.2)	**67126**	**(99.7)**	0	(0.0)	176	(0.3)	**176**	**(0.3)**
	8	**64465**	62186	(96.5)	2119	(3.3)	**64305**	**(99.8)**	1	(0.0)	159	(0.2)	**160**	**(0.2)**
	9	**64583**	62305	(96.5)	2135	(3.3)	**64440**	**(99.8)**	0	(0.0)	143	(0.2)	**143**	**(0.2)**
	10	**72239**	69873	(96.7)	2206	(3.1)	**72079**	**(99.8)**	1	(0.0)	159	(0.2)	**160**	**(0.2)**
	11	**72142**	69651	(96.5)	2327	(3.2)	**71978**	**(99.8)**	0	(0.0)	164	(0.2)	**164**	**(0.2)**
	12	**74093**	71477	(96.5)	2423	(3.3)	**73900**	**(99.7)**	0	(0.0)	193	(0.3)	**193**	**(0.3)**
2008 Total		**810135**	**781681**	**(96.5)**	**26489**	**(3.3)**	808170	(99.8)	**3**	**(0.0)**	**1962**	**(0.2)**	**1965**	**(0.2)**
2009	**1**	**72123**	69587	(96.5)	2391	(3.3)	**71978**	**(99.8)**	0	(0.0)	145	(0.2)	**145**	**(0.2)**
	2	**63346**	61175	(96.6)	2046	(3.2)	**63221**	**(99.8)**	0	(0.0)	125	(0.2)	**125**	**(0.2)**
	3	**72651**	70168	(96.6)	2339	(3.2)	**72507**	**(99.8)**	0	(0.0)	144	(0.2)	**144**	**(0.2)**
	4	**65920**	63523	(96.4)	2154	(3.3)	**65677**	**(99.6)**	0	(0.0)	243	(0.4)	**243**	**(0.4)**
	5	**67599**	65115	(96.3)	2113	(3.1)	**67228**	**(99.5)**	0	(0.0)	371	(0.5)	**371**	**(0.5)**
	6	**70358**	67762	(96.3)	2201	(3.1)	**69963**	**(99.4)**	0	(0.0)	395	(0.6)	**395**	**(0.6)**
	7	**68282**	65853	(96.4)	2224	(3.3)	**68077**	**(99.7)**	0	(0.0)	205	(0.3)	**205**	**(0.3)**
	8	**62975**	60789	(96.5)	2011	(3.2)	**62800**	**(99.7)**	0	(0.0)	175	(0.3)	**175**	**(0.3)**
	9	**73107**	70614	(96.6)	2318	(3.2)	**72932**	**(99.8)**	0	(0.0)	175	(0.2)	**175**	**(0.2)**
	10	**73370**	70846	(96.6)	2365	(3.2)	**73211**	**(99.8)**	0	(0.0)	159	(0.2)	**159**	**(0.2)**
	11	**77569**	74771	(96.4)	2420	(3.1)	**77191**	**(99.5)**	0	(0.0)	378	(0.5)	**378**	**(0.5)**
	12	**81424**	78451	(96.3)	2536	(3.1)	**80987**	**(99.5)**	0	(0.0)	437	(0.5)	**437**	**(0.5)**
2009 Total		**848724**	**818654**	**(96.5)**	**27118**	**(3.2)**	845772	(99.7)	**0**	**(0.0)**	**2952**	**(0.3)**	**2952**	**(0.3)**
Total		**2434519**	**2348441**	**(96.5)**	**79768**	**(3.3)**	2428209	(99.7)	**4**	**(0.0)**	**6306**	**(0.3)**	**6310**	**(0.3)**

Table DQ5 Data completeness by PICU

SITEID	Eligible	Complete						Incomplete					
		Valid		Exceptions		Total		Invalid		Blank		Total	
		n	%	n	%	n	%	n	%	n	%	n	%
1	**178778**	170871	(95.6)	7599	(4.3)	**178470**	**(99.8)**	0	(0.0)	308	(0.2)	**308**	**(0.2)**
2	**42223**	40473	(95.9)	1742	(4.1)	**42215**	**(100.0)**	0	(0.0)	8	(0.0)	**8**	**(0.0)**
3	**102433**	95090	(92.8)	6810	(6.6)	**101900**	**(99.5)**	0	(0.0)	533	(0.5)	**533**	**(0.5)**
4	**70509**	65524	(92.9)	4985	(7.1)	**70509**	**(100.0)**	0	(0.0)	0	(0.0)	**0**	**(0.0)**
5	**48808**	48536	(99.4)	212	(0.4)	**48748**	**(99.9)**	0	(0.0)	60	(0.1)	**60**	**(0.1)**
6	**125667**	124393	(99.0)	1177	(0.9)	**125570**	**(99.9)**	0	(0.0)	97	(0.1)	**97**	**(0.1)**
8	**56468**	54578	(96.7)	1790	(3.2)	**56368**	**(99.8)**	0	(0.0)	100	(0.2)	**100**	**(0.2)**
9	**56495**	54170	(95.9)	2141	(3.8)	**56311**	**(99.7)**	0	(0.0)	184	(0.3)	**184**	**(0.3)**
10	**165597**	161909	(97.8)	3645	(2.2)	**165554**	**(100.0)**	0	(0.0)	43	(0.0)	**43**	**(0.0)**
11	**231781**	223756	(96.5)	7272	(3.1)	**231028**	**(99.7)**	0	(0.0)	753	(0.3)	**753**	**(0.3)**
12	**173376**	162941	(94.0)	10079	(5.8)	**173020**	**(99.8)**	4	(0.0)	352	(0.2)	**356**	**(0.2)**
13	**61774**	57870	(93.7)	2997	(4.9)	**60867**	**(98.5)**	0	(0.0)	907	(1.5)	**907**	**(1.5)**
14	**97107**	92605	(95.4)	4013	(4.1)	**96618**	**(99.5)**	0	(0.0)	489	(0.5)	**489**	**(0.5)**
15	**66460**	62790	(94.5)	3498	(5.3)	**66288**	**(99.7)**	0	(0.0)	172	(0.3)	**172**	**(0.3)**
16	**50594**	48620	(96.1)	1933	(3.8)	**50553**	**(99.9)**	0	(0.0)	41	(0.1)	**41**	**(0.1)**
17	**16991**	16324	(96.1)	415	(2.4)	**16739**	**(98.5)**	0	(0.0)	252	(1.5)	**252**	**(1.5)**
18	**99150**	97523	(98.4)	1369	(1.4)	**98892**	**(99.7)**	0	(0.0)	258	(0.3)	**258**	**(0.3)**
19	**26923**	26231	(97.4)	690	(2.6)	**26921**	**(100.0)**	0	(0.0)	2	(0.0)	**2**	**(0.0)**
20	**43020**	41632	(96.8)	1250	(2.9)	**42882**	**(99.7)**	0	(0.0)	138	(0.3)	**138**	**(0.3)**
21	**50336**	48448	(96.2)	1887	(3.7)	**50335**	**(100.0)**	0	(0.0)	1	(0.0)	**1**	**(0.0)**
22	**42292**	40829	(96.5)	1328	(3.1)	**42157**	**(99.7)**	0	(0.0)	135	(0.3)	**135**	**(0.3)**
23	**54390**	52848	(97.2)	1528	(2.8)	**54376**	**(100.0)**	0	(0.0)	14	(0.0)	**14**	**(0.0)**
24	**47533**	46188	(97.2)	1281	(2.7)	**47469**	**(99.9)**	0	(0.0)	64	(0.1)	**64**	**(0.1)**
25	**12721**	12355	(97.1)	361	(2.8)	**12716**	**(100.0)**	0	(0.0)	5	(0.0)	**5**	**(0.0)**
26	**112099**	111554	(99.5)	544	(0.5)	**112098**	**(100.0)**	0	(0.0)	1	(0.0)	**1**	**(0.0)**
27	**50726**	49961	(98.5)	742	(1.5)	**50703**	**(100.0)**	0	(0.0)	23	(0.0)	**23**	**(0.0)**
28	**5282**	5150	(97.5)	132	(2.5)	**5282**	**(100.0)**	0	(0.0)	0	(0.0)	**0**	**(0.0)**
29	**67350**	65477	(97.2)	1870	(2.8)	**67347**	**(100.0)**	0	(0.0)	3	(0.0)	**3**	**(0.0)**
31	**68022**	67048	(98.6)	974	(1.4)	**68022**	**(100.0)**	0	(0.0)	0	(0.0)	**0**	**(0.0)**
32	**52978**	50314	(95.0)	2631	(5.0)	**52945**	**(99.9)**	0	(0.0)	33	(0.1)	**33**	**(0.1)**
33	**120530**	117713	(97.7)	2817	(2.3)	**120530**	**(100.0)**	0	(0.0)	0	(0.0)	**0**	**(0.0)**
34	**36106**	34720	(96.2)	56	(0.2)	**34776**	**(96.3)**	0	(0.0)	1330	(3.7)	**1330**	**(3.7)**
Grand Total	**2434519**	**2348441**	**(96.5)**	**79768**	**(3.3)**	**2428209**	**(99.7)**	4	(0.0)	6306	(0.3)	**6310**	**(0.3)**

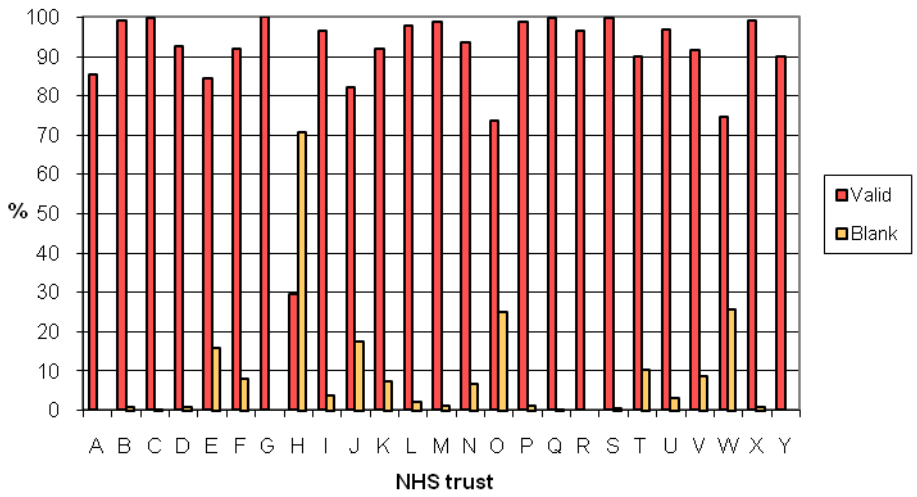
Whilst 30 day follow-up data collection remains poor the NHS Number recording levels have improved significantly over the last 3 years, table DQ6 and figure DQ4 detail the distribution of NHS number recording levels in the PICANet dataset.

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 87.0% in 2007 to 88.1% in 2008 to 90.4% in 2009.

Table DQ6 Data completeness for NHS number by NHS Trust

NHS trust	Eligible	Valid		Blank	
		n	%	n	%
A	1534	1309	(85.3)	0	(0.0)
B	947	938	(99.0)	7	(0.7)
C	977	975	(99.8)	2	(0.2)
D	2057	1901	(92.4)	19	(0.9)
E	4748	4000	(84.2)	748	(15.8)
F	3567	3276	(91.8)	291	(8.2)
G	109	109	(100.0)	0	(0.0)
H	1284	378	(29.4)	906	(70.6)
I	2568	2474	(96.3)	94	(3.7)
J	368	302	(82.1)	64	(17.4)
K	2815	2587	(91.9)	207	(7.4)
L	1067	1044	(97.8)	23	(2.2)
M	1115	1101	(98.7)	14	(1.3)
N	966	902	(93.4)	64	(6.6)
O	1948	1435	(73.7)	486	(24.9)
P	3358	3317	(98.8)	41	(1.2)
Q	1676	1672	(99.8)	3	(0.2)
R	2259	2181	(96.5)	0	(0.0)
S	569	567	(99.6)	2	(0.4)
T	1401	1257	(89.7)	144	(10.3)
U	1011	978	(96.7)	33	(3.3)
V	3612	3304	(91.5)	308	(8.5)
W	2080	1548	(74.4)	532	(25.6)
X	2342	2320	(99.1)	22	(0.9)
Y	1393	1251	(89.8)	0	(0.0)
Z	1166	1135	(97.3)	31	(2.7)
ZA	2539	2539	(100.0)	0	(0.0)
ZB	744	591	(79.4)	153	(20.6)
Total	**50220**	**45391**	**(90.4)**	**4194**	**(8.4)**

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.

26 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.

27 PRELIMINARY PROCESSING OF DAILY ACTIVITY DATA (THE PAEDIATRIC CRITICAL CARE MINIMUM DATASET)

PICANet have received daily activity data on over 208,000 patient days from 29 units and 24 trusts since the PCCMDS enabled software was made available. The Information Centre have produced a new HRG 4 Grouper[1] which addresses problems witht the algorithm that prevented data being grouped and this has resulted in improved allocation of the HRGs

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

The data received by PICANet have been grouped into these HRGs by PICU. These data are summarised in figure PCCMDS1 below. We have not identified individual PICUs in this figure but feedback to individual units on their HRG profile is to be distributed this summer. There is still wide variation in the level of intensive care activity delivered in different PICUs.

Tables PCCMDS1 - 4 show more about HRGs and activity recorded in the PCCMDS dataset.

Table PCCMDS1 shows the total number of days for each HRG.

Table PCCMDS2 shows the most common combinations of activity in each HRG; supplementary tables explain the activity codes used, and show the most common combinations overall. Activity codes are not the sole factor in determining HRG, so a combination may appear in different levels.

Table PCCMDS3 shows the number of activities recorded for a child in one day.

Table PCCMDS4 shows the outcome broken down by initial HRG.

Reference

1) The Casemix Service. HRG4 2010/11 Local Payment Grouper User Manual. Copyright © 2010, The NHS Information Centre.

Figure PCCMDS1 RELATIVE DISTRIBUTION OF HRGs IN 26 PICUS IN ENGLAND AND WALES BASED ON 208,000 PATIENT DAYS

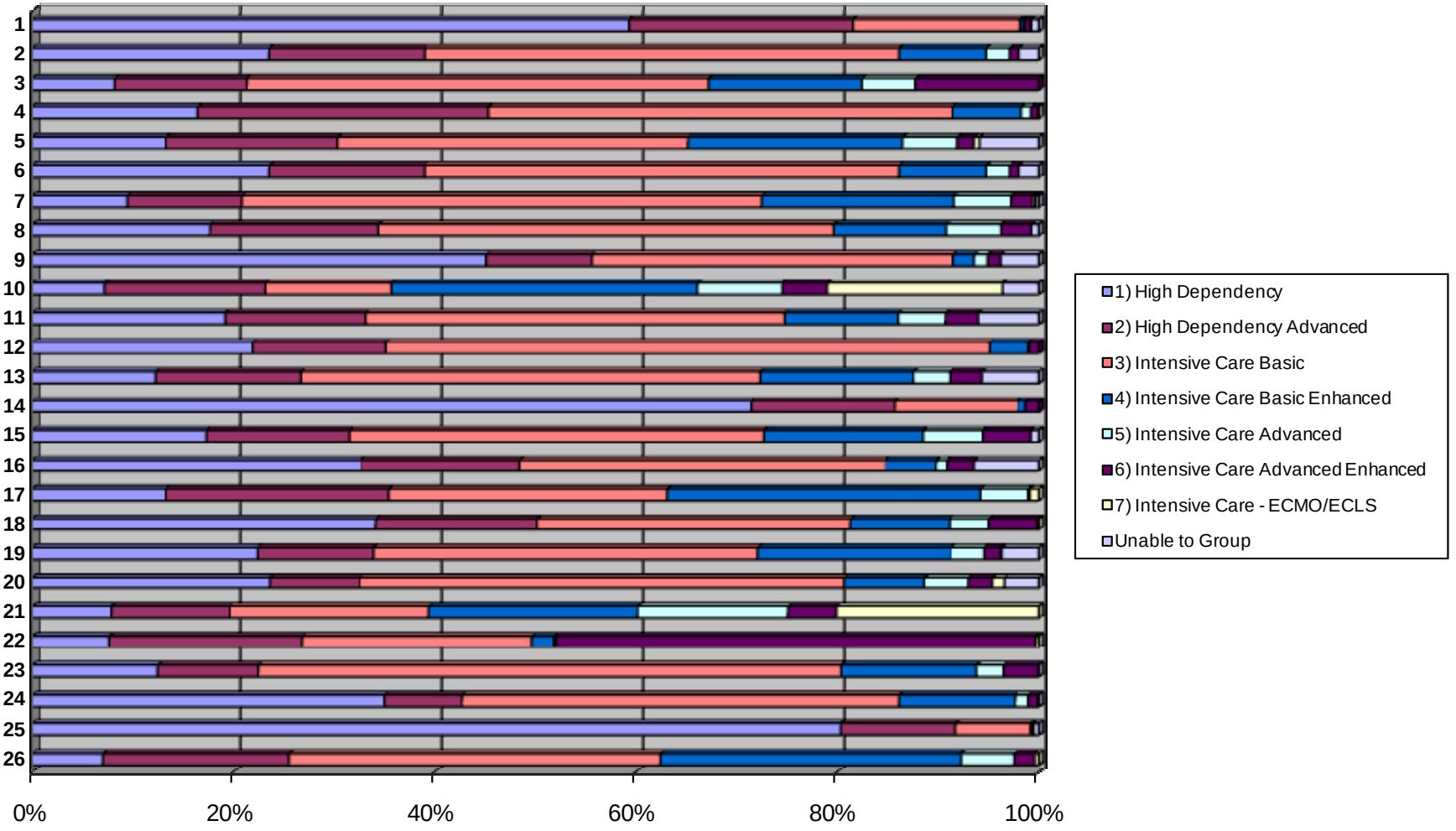


Table PCCMDS1 Daily HRG activity

Code	HRG	Frequency	Percent
UZ01Z	Unable to group	4,582	2.2
XB07Z	High Dep.	40,446	19.42
XB06Z	High Dep. Adv.	34,136	16.39
XB05Z	Int. Care Basic	74,089	35.58
XB04Z	Int. Care Bas. Enh.	33,609	16.14
XB03Z	Int. Care Adv.	7,714	3.7
XB02Z	Int. Care Adv. Enh.	11,527	5.54
XB01Z	Int. Care ECMO/ECLS	2,144	1.03
Total	|	208,247	100

Table PCCMDS2 5 most frequent combinations of activities, by HRG

Code	HRG	Frequency	Combination
All	Overall	15682	9/50/51/73
		12040	9/50/51/60/73
		11676	50/73
		11297	6/9/50/51/60/62/73
		9560	9/50/73
UZ01Z	Unable to group	327	9/50/51/73
		263	9/50/51/73/74
		182	50/73/74
		174	6/9/50/51/60/62/73/74
		163	9/13/50/52/73/74
XB07Z	High Dependency	11566	50/73
		9438	9/50/73
		5807	99
		3170	73
		1070	9/73
XB06Z	High Dep. Adv.	5907	9/50/53/73
		1724	53
		1680	9/50/60/73
		1520	9/50/60/62/73
		1483	50/60/73
XB05Z	Int. Care Basic	15257	9/50/51/73
		11829	9/50/51/60/73
		6187	9/50/51/60/62/73
		3712	51
		3076	9/13/50/52/73
XB04Z	Int. Care Bas. Enh.	10414	6/9/50/51/60/62/73
		3058	6/51
		2156	6/9/50/51/60/73
		1432	6/9/50/51/62/73
		1366	6/9/50/51/73
XB03Z	Int. Care Adv.	744	6/9/50/51/60/62/73
		443	5/6/9/50/51/60/62/73
		357	6/9/16/50/51/60/62/73
		241	6/9/50/51/60/62/73/74
		228	6/9/50/51/56/60/62/73
XB02Z	Int. Care Adv. Enh.	1173	6/9/50/51/60/62/63/73
		634	6/50/51/60/62/63/73
		590	6/51/60/62/63
		420	51/63
		413	51/60/63
XB01Z	Int. Care ECMO/ECLS	188	6/9/50/51/60/62/65/73
		89	9/50/51/60/62/65/73
		79	6/9/50/51/60/62/63/65/73
		69	6/9/16/50/51/60/62/65/73
		68	6/9/50/51/60/65/73

Table PC2b Total number of combinations

Code	HRG	No of combinations
UZ01Z	Unable to group	405
XB07Z	High Dep.	184
XB06Z	High Dep. Adv.	982
XB05Z	Int. Care Basic	855
XB04Z	Int. Care Bas. Enh.	792
XB03Z	Int. Care Adv.	644
XB02Z	Int. Care Adv. Enh.	851
XB01Z	Int. Care ECMO/ECLS	322
Total	|	4,264

Table PC2c Activity code

Code	Activity
6	Infusion of inotropes
9	Oxygen therapy
50	ECG
51	Inv vent: endo tube
53	Inv vent: trach.
60	Arterial line
62	CVP monitoring
63	Bolus of fluids
65	ECMO, VAD or Aortic pump
73	Pulse Oximetry
74	Cubicle

Table PCCMDS3 Number of activities recorded by day

Number of activities	Frequency	Percent
1	18,673	8.97
2	22,981	11.04
3	26,936	12.93
4	41,334	19.85
5	36,305	17.43
6	25,075	12.04
7	21,972	10.55
8	10,108	4.85
9	3,481	1.67
10	1,052	0.51
11	247	0.12
12	67	0.03
13	13	0.01
14	2	0
20	1	0

Note that the program used does not record more than 20 activities/day
Activity' includes "no critical care activity"

Table PCCMDS4 Death rate by initial HRG

Code	First HRG	Alive	Died	Total	% Mortality
UZ01Z	**Unable to group**	384	20	404	5.0
XB07Z	**High Dep.**	8,978	72	9,050	0.8
XB06Z	**High Dep. Adv.**	5,079	134	5,213	2.6
XB05Z	**Int. Care Basic**	11,573	338	11,911	2.8
XB04Z	**Int. Care Bas. Enh.**	6,157	472	6,629	7.1
XB03Z	**Int. Care Adv.**	474	157	631	24.9
XB02Z	**Int. Care Adv. Enh.**	2,694	405	3,099	13.1
XB01Z	**Int. Care ECMO/ECLS**	127	48	175	27.4
Total	**|**	**35,466**	**1,646**	**37,112**	**4.4**

Figures here relate to admissions, classed by first HRG
An admission is defined by 'procodet' and 'cclocalid'

Key to PCCMDS Tables

Tables PCCMDS 1 - 4 provide more information about PCCMDS data and HRGs. All tables are based on the complete recorded PCCMDS dataset to June 2010.
Table PCCMDS1 shows the number of days of each HRG.
Table PCCMDS2 shows the most frequent combinations of activity code, by HRG. Codes are ordered with the lowest code number appearing first. Activities and combinations of activities are key factors in assigning groups. For example '65' (ECMO or ECLS) is necessary for the highest group.
Table PC2b shows the total number of different combinations. There are 31 'activities' so the theoretical number of possible combinations is vast. Activity codes shown are explained in **Table PC2c**.
Table PCCMDS3 shows the distribution of numbers of activities in a day.
Table PCCMDS4 shows the mortality broken down by the first HRG. 'Procodet' and 'cclocalid' identify units and admissions (within units) respectively.
The PCCMDS dataset is large and these represent only a few of the aspects which can be examined.

28 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). 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, 2007 - 2009

Age (Years)	Sex									
	Male		Female		Ambiguous		Unknown		Total	
	n	%	n	%	n	%	n	%	n	%
0	13,343	(58)	9,682	(42)	11	(0)	4	(0)	**23,040**	**(47.0)**
1	3,027	(56)	2,387	(44)	0	(0)	1	(0)	**5,415**	**(11.1)**
2	1,700	(55)	1,363	(44)	0	(0)	2	(0)	**3,065**	**(6.3)**
3	1,385	(58)	1,021	(42)	2	(0)	0	(0)	**2,408**	**(4.9)**
4	1,018	(55)	823	(45)	0	(0)	1	(0)	**1,842**	**(3.8)**
5	794	(57)	596	(43)	0	(0)	1	(0)	**1,391**	**(2.8)**
6	634	(56)	491	(44)	1	(0)	0	(0)	**1,126**	**(2.3)**
7	549	(54)	467	(46)	0	(0)	1	(0)	**1,017**	**(2.1)**
8	527	(53)	461	(47)	2	(0)	1	(0)	**991**	**(2.0)**
9	570	(55)	460	(45)	0	(0)	0	(0)	**1,030**	**(2.1)**
10	581	(55)	468	(45)	0	(0)	0	(0)	**1,049**	**(2.1)**
11	589	(53)	524	(47)	2	(0)	1	(0)	**1,116**	**(2.3)**
12	555	(48)	602	(52)	0	(0)	0	(0)	**1,157**	**(2.4)**
13	643	(46)	739	(53)	0	(0)	1	(0)	**1,383**	**(2.8)**
14	797	(53)	711	(47)	0	(0)	0	(0)	**1,508**	**(3.1)**
15	782	(53)	681	(46)	0	(0)	2	(0)	**1,465**	**(3.0)**
Total	**27,494**	**(56.1)**	**21,476**	**(43.8)**	**18**	**(0.0)**	**15**	**(0.0)**	**49,003**	

Figure 1 Admissions by age and sex, 2007 - 2009

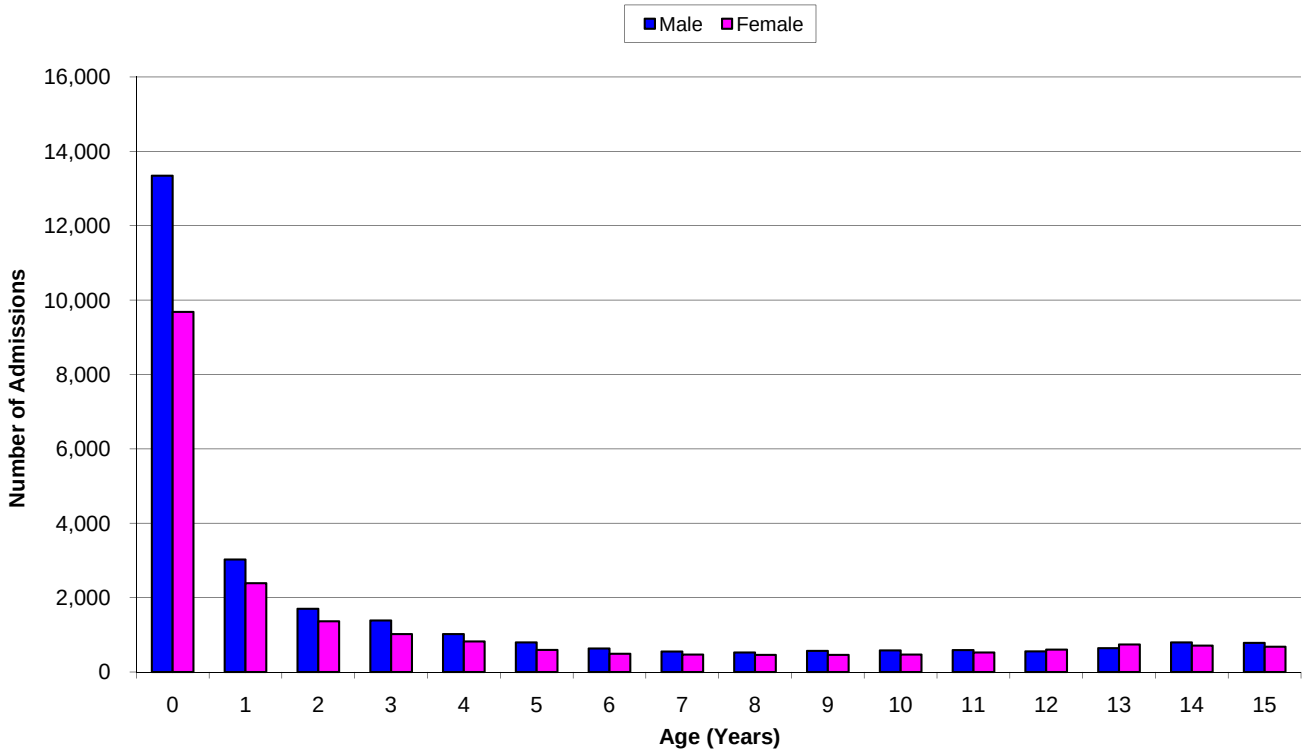


Table 2 Admissions by age (<1) and sex, 2007 - 2009

Age (Months)	Sex									
	Male		Female		Ambiguous		Unknown		Total	
	n	%	n	%	n	%	n	%	n	%
0	4,645	(59)	3,273	(41)	4	(0)	1	(0)	**7,923**	**(34.4)**
1	2,000	(61)	1,298	(39)	2	(0)	0	(0)	**3,300**	**(14.3)**
2	1,326	(58)	970	(42)	0	(0)	0	(0)	**2,296**	**(10.0)**
3	1,045	(57)	801	(43)	1	(0)	0	(0)	**1,847**	**(8.0)**
4	833	(57)	629	(43)	2	(0)	0	(0)	**1,464**	**(6.4)**
5	678	(56)	526	(44)	1	(0)	1	(0)	**1,206**	**(5.2)**
6	621	(55)	500	(45)	1	(0)	1	(0)	**1,123**	**(4.9)**
7	550	(58)	395	(42)	0	(0)	1	(0)	**946**	**(4.1)**
8	437	(55)	360	(45)	0	(0)	0	(0)	**797**	**(3.5)**
9	437	(57)	334	(43)	0	(0)	0	(0)	**771**	**(3.3)**
10	400	(56)	311	(44)	0	(0)	0	(0)	**711**	**(3.1)**
11	371	(57)	285	(43)	0	(0)	0	(0)	**656**	**(2.8)**
Total	**13,343**	**(57.9)**	**9,682**	**(42.0)**	**11**	**(0.0)**	**4**	**(0.0)**	**23,040**	

Figure 2 Admissions by age (<1) and sex, 2007 - 2009

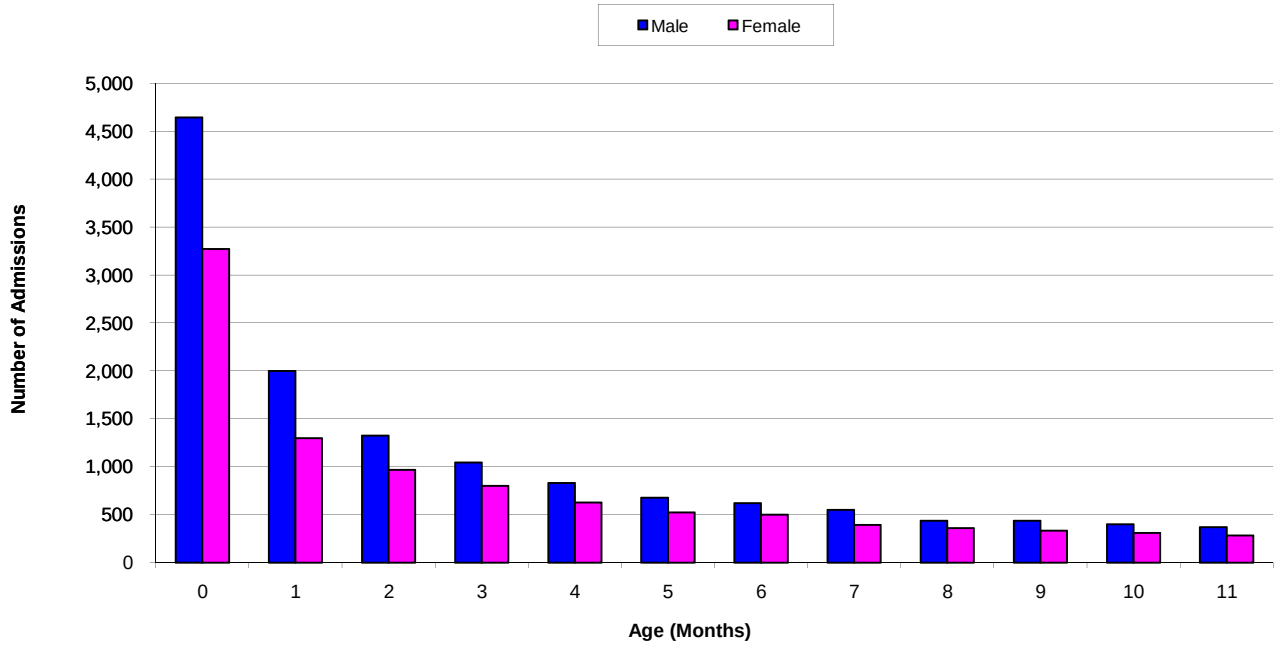


Table 3 Admissions by age by NHS trust, 2007 - 2009

Admission year	NHS Trust	Age Group (Years) <1		1-4		5-10		11-15		Total	
		n	%	n	%	n	%	n	%	n	%
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)
	E1	457	(58)	157	(20)	85	(11)	93	(12)	792	(5.1)
	E2	372	(54)	186	(27)	70	(10)	67	(10)	695	(4.5)
	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	115	(38)	98	(33)	49	(16)	39	(13)	301	(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	472	(50)	226	(24)	111	(12)	126	(13)	935	(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	391	(61)	148	(23)	55	(9)	45	(7)	639	(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	(4.6)
	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	563	(49)	297	(26)	180	(16)	111	(10)	1,151	(7.4)
	W	377	(55)	167	(24)	72	(10)	73	(11)	689	(4.4)
	X	391	(54)	174	(24)	74	(10)	89	(12)	728	(4.7)
	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		**7,334**	**(47.0)**	**4,079**	**(26.1)**	**2,056**	**(13.2)**	**2,139**	**(13.7)**	**15,608**	
2008	A	131	(28)	154	(33)	86	(18)	99	(21)	470	(2.9)
	B	83	(29)	83	(29)	44	(15)	75	(26)	285	(1.8)
	C	119	(39)	76	(25)	44	(14)	68	(22)	307	(1.9)
	D	272	(41)	193	(29)	93	(14)	98	(15)	656	(4.0)
	E1	533	(60)	187	(21)	85	(10)	87	(10)	892	(5.5)
	E2	379	(57)	151	(23)	76	(11)	64	(10)	670	(4.1)
	F	649	(56)	271	(23)	104	(9)	132	(11)	1,156	(7.1)
	G	14	(44)	4	(13)	5	(16)	9	(28)	32	(0.2)
	H	114	(29)	135	(34)	82	(21)	61	(16)	392	(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	497	(54)	202	(22)	115	(13)	105	(11)	919	(5.6)
	L	127	(40)	76	(24)	49	(15)	67	(21)	319	(2.0)
	M	91	(25)	118	(33)	69	(19)	82	(23)	360	(2.2)
	N	155	(52)	89	(30)	25	(8)	31	(10)	300	(1.8)
	O	387	(63)	132	(22)	49	(8)	42	(7)	610	(3.7)
	P	536	(48)	308	(28)	124	(11)	144	(13)	1,112	(6.8)
	Q	257	(45)	152	(27)	80	(14)	82	(14)	571	(3.5)
	R	346	(51)	150	(22)	91	(13)	97	(14)	684	(4.2)
	S	51	(26)	52	(27)	34	(17)	59	(30)	196	(1.2)
	T	146	(31)	159	(33)	89	(19)	81	(17)	475	(2.9)
	U	121	(40)	106	(35)	48	(16)	26	(9)	301	(1.8)
	V	595	(54)	269	(24)	140	(13)	98	(9)	1,102	(6.8)
	W	344	(47)	207	(28)	104	(14)	76	(10)	731	(4.5)
	X	417	(55)	179	(24)	92	(12)	73	(10)	761	(4.7)
	Y	148	(33)	111	(25)	66	(15)	128	(28)	453	(2.8)
	Z	129	(33)	118	(30)	82	(21)	64	(16)	393	(2.4)
	ZA	406	(44)	262	(28)	155	(17)	101	(11)	924	(5.7)
	ZB	147	(57)	52	(20)	38	(15)	20	(8)	257	(1.6)
2008 Total		**7,632**	**(46.9)**	**4,232**	**(26.0)**	**2,215**	**(13.6)**	**2,205**	**(13.5)**	**16,284**	
2009	A	187	(35)	126	(24)	106	(20)	108	(20)	527	(3.1)
	B	160	(35)	139	(30)	80	(18)	77	(17)	456	(2.7)
	C	143	(42)	86	(25)	38	(11)	76	(22)	343	(2.0)
	D	262	(37)	201	(28)	115	(16)	129	(18)	707	(4.1)
	E1	564	(59)	202	(21)	97	(10)	91	(10)	954	(5.6)
	E2	372	(56)	155	(23)	74	(11)	65	(10)	666	(3.9)
	F	628	(55)	261	(23)	116	(10)	146	(13)	1,151	(6.7)
	G	10	(31)	11	(34)	2	(6)	9	(28)	32	(0.2)
	H	155	(27)	195	(34)	104	(18)	118	(21)	572	(3.3)
	I	362	(45)	215	(27)	121	(15)	104	(13)	802	(4.7)
	J	59	(50)	28	(24)	16	(14)	14	(12)	117	(0.7)
	K	473	(53)	216	(24)	96	(11)	111	(12)	896	(5.2)
	L	101	(33)	87	(29)	57	(19)	60	(20)	305	(1.8)
	M	146	(43)	85	(25)	56	(16)	56	(16)	343	(2.0)
	N	167	(48)	93	(27)	41	(12)	44	(13)	345	(2.0)
	O	427	(62)	156	(23)	58	(8)	52	(8)	693	(4.1)
	P	619	(56)	272	(25)	118	(11)	94	(9)	1,103	(6.4)
	Q	218	(49)	115	(26)	49	(11)	62	(14)	444	(2.6)
	R	364	(49)	187	(25)	85	(11)	104	(14)	740	(4.3)
	S	55	(32)	49	(29)	34	(20)	33	(19)	171	(1.0)
	T	140	(28)	159	(32)	98	(20)	97	(20)	494	(2.9)
	U	123	(37)	100	(30)	59	(18)	53	(16)	335	(2.0)
	V	690	(53)	331	(25)	176	(13)	117	(9)	1,314	(7.7)
	W	333	(53)	157	(25)	81	(13)	52	(8)	623	(3.6)
	X	436	(56)	198	(25)	78	(10)	73	(9)	785	(4.6)
	Y	127	(32)	79	(20)	70	(17)	125	(31)	401	(2.3)
	Z	153	(39)	99	(25)	79	(20)	64	(16)	395	(2.3)
	ZA	364	(40)	304	(33)	151	(16)	101	(11)	920	(5.4)
	ZB	236	(49)	113	(24)	78	(16)	50	(10)	477	(2.8)
2009 Total		**8,074**	**(47.2)**	**4,419**	**(25.8)**	**2,333**	**(13.6)**	**2,285**	**(13.4)**	**17,111**	
Grand Total		**23,040**	**(47.0)**	**12,730**	**(26.0)**	**6,604**	**(13.5)**	**6,629**	**(13.5)**	**49,003**	

Table 4 Admissions by age (<1) by NHS trust, 2007 - 2009

Admission year	NHS Trust	Age Group (Months) <1 n	<1 %	1-2 n	1-2 %	3-5 n	3-5 %	6-11 n	6-11 %	Total n	Total %
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)**
	E1	186	(41)	101	(22)	89	(19)	81	(18)	**457**	**(6.2)**
	E2	133	(36)	74	(20)	89	(24)	76	(20)	**372**	**(5.1)**
	F	268	(40)	138	(21)	131	(20)	134	(20)	**671**	**(9.1)**
	G	2	(17)	4	(33)	5	(42)	1	(8)	**12**	**(0.2)**
	H	17	(15)	30	(26)	17	(15)	51	(44)	**115**	**(1.6)**
	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	192	(41)	105	(22)	99	(21)	76	(16)	**472**	**(6.4)**
	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)	88	(23)	66	(17)	**391**	**(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)	98	(17)	**563**	**(7.7)**
	W	134	(36)	90	(24)	69	(18)	84	(22)	**377**	**(5.1)**
	X	172	(44)	89	(23)	57	(15)	73	(19)	**391**	**(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**	**(3.2)**
2007 Total		**2,497**	**(34.0)**	**1,809**	**(24.7)**	**1,455**	**(19.8)**	**1,573**	**(21.4)**	**7,334**	
2008	**A**	31	(24)	39	(30)	28	(21)	33	(25)	**131**	**(1.7)**
	B	28	(34)	18	(22)	18	(22)	19	(23)	**83**	**(1.1)**
	C	26	(22)	40	(34)	23	(19)	30	(25)	**119**	**(1.6)**
	D	69	(25)	64	(24)	65	(24)	74	(27)	**272**	**(3.6)**
	E1	244	(46)	143	(27)	70	(13)	76	(14)	**533**	**(7.0)**
	E2	131	(35)	61	(16)	89	(23)	98	(26)	**379**	**(5.0)**
	F	280	(43)	136	(21)	108	(17)	125	(19)	**649**	**(8.5)**
	G	5	(36)	3	(21)	1	(7)	5	(36)	**14**	**(0.2)**
	H	28	(25)	24	(21)	23	(20)	39	(34)	**114**	**(1.5)**
	I	133	(35)	95	(25)	72	(19)	77	(20)	**377**	**(4.9)**
	J	13	(21)	17	(28)	17	(28)	14	(23)	**61**	**(0.8)**
	K	202	(41)	123	(25)	83	(17)	89	(18)	**497**	**(6.5)**
	L	24	(19)	42	(33)	22	(17)	39	(31)	**127**	**(1.7)**
	M	17	(19)	33	(36)	17	(19)	24	(26)	**91**	**(1.2)**
	N	48	(31)	30	(19)	41	(26)	36	(23)	**155**	**(2.0)**
	O	160	(41)	68	(18)	69	(18)	90	(23)	**387**	**(5.1)**
	P	198	(37)	141	(26)	98	(18)	99	(18)	**536**	**(7.0)**
	Q	98	(38)	71	(28)	47	(18)	41	(16)	**257**	**(3.4)**
	R	140	(40)	80	(23)	68	(20)	58	(17)	**346**	**(4.5)**
	S	10	(20)	20	(39)	10	(20)	11	(22)	**51**	**(0.7)**
	T	30	(21)	37	(25)	44	(30)	35	(24)	**146**	**(1.9)**
	U	31	(26)	36	(30)	28	(23)	26	(21)	**121**	**(1.6)**
	V	233	(39)	123	(21)	141	(24)	98	(16)	**595**	**(7.8)**
	W	102	(30)	93	(27)	64	(19)	85	(25)	**344**	**(4.5)**
	X	193	(46)	93	(22)	58	(14)	73	(18)	**417**	**(5.5)**
	Y	58	(39)	47	(32)	20	(14)	23	(16)	**148**	**(1.9)**
	Z	28	(22)	42	(33)	29	(22)	30	(23)	**129**	**(1.7)**
	ZA	94	(23)	93	(23)	89	(22)	130	(32)	**406**	**(5.3)**
	ZB	54	(37)	38	(26)	32	(22)	23	(16)	**147**	**(1.9)**
2008 Total		**2,708**	**(35.5)**	**1,850**	**(24.2)**	**1,474**	**(19.3)**	**1,600**	**(21.0)**	**7,632**	
2009	**A**	41	(22)	49	(26)	48	(26)	49	(26)	**187**	**(2.3)**
	B	41	(26)	36	(23)	45	(28)	38	(24)	**160**	**(2.0)**
	C	28	(20)	51	(36)	24	(17)	40	(28)	**143**	**(1.8)**
	D	59	(23)	63	(24)	61	(23)	79	(30)	**262**	**(3.2)**
	E1	229	(41)	151	(27)	88	(16)	96	(17)	**564**	**(7.0)**
	E2	132	(35)	67	(18)	89	(24)	84	(23)	**372**	**(4.6)**
	F	244	(39)	134	(21)	122	(19)	128	(20)	**628**	**(7.8)**
	G	1	(10)	2	(20)	1	(10)	6	(60)	**10**	**(0.1)**
	H	32	(21)	36	(23)	33	(21)	54	(35)	**155**	**(1.9)**
	I	105	(29)	107	(30)	66	(18)	84	(23)	**362**	**(4.5)**
	J	9	(15)	15	(25)	17	(29)	18	(31)	**59**	**(0.7)**
	K	172	(36)	98	(21)	97	(21)	106	(22)	**473**	**(5.9)**
	L	24	(24)	36	(36)	21	(21)	20	(20)	**101**	**(1.3)**
	M	35	(24)	31	(21)	31	(21)	49	(34)	**146**	**(1.8)**
	N	49	(29)	40	(24)	37	(22)	41	(25)	**167**	**(2.1)**
	O	175	(41)	79	(19)	81	(19)	92	(22)	**427**	**(5.3)**
	P	243	(39)	151	(24)	109	(18)	116	(19)	**619**	**(7.7)**
	Q	109	(50)	45	(21)	31	(14)	33	(15)	**218**	**(2.7)**
	R	156	(43)	87	(24)	62	(17)	59	(16)	**364**	**(4.5)**
	S	12	(22)	26	(47)	6	(11)	11	(20)	**55**	**(0.7)**
	T	27	(19)	31	(22)	33	(24)	49	(35)	**140**	**(1.7)**
	U	15	(12)	36	(29)	25	(20)	47	(38)	**123**	**(1.5)**
	V	254	(37)	179	(26)	132	(19)	125	(18)	**690**	**(8.5)**
	W	106	(32)	82	(25)	65	(20)	80	(24)	**333**	**(4.1)**
	X	172	(39)	102	(23)	75	(17)	87	(20)	**436**	**(5.4)**
	Y	44	(35)	38	(30)	13	(10)	32	(25)	**127**	**(1.6)**
	Z	34	(22)	40	(26)	38	(25)	41	(27)	**153**	**(1.9)**
	ZA	76	(21)	68	(19)	99	(27)	121	(33)	**364**	**(4.5)**
	ZB	94	(40)	57	(24)	39	(17)	46	(19)	**236**	**(2.9)**
2009 Total		**2,718**	**(33.7)**	**1,937**	**(24.0)**	**1,588**	**(19.7)**	**1,831**	**(22.7)**	**8,074**	
Grand Total		**7,923**	**(34.4)**	**5,596**	**(24.3)**	**4,517**	**(19.6)**	**5,004**	**(21.7)**	**23,040**	

Table 5 Admissions by age (16+) by NHS trust, 2007 - 2009

Admission year	NHS Trust	Age Group (Years) 16		17-20		21-25		26+		Total	
		n	%	n	%	n	%	n	%	n	%
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)
	E1	5	(71)	2	(29)	0	(0)	0	(0)	7	(2.0)
	E2	6	(40)	9	(60)	0	(0)	0	(0)	15	(4.2)
	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	(1.6)
	B	3	(75)	1	(25)	0	(0)	0	(0)	4	(0.9)
	C	2	(100)	0	(0)	0	(0)	0	(0)	2	(0.5)
	D	10	(63)	6	(38)	0	(0)	0	(0)	16	(3.7)
	E1	8	(73)	3	(27)	0	(0)	0	(0)	11	(2.6)
	E2	11	(73)	4	(27)	0	(0)	0	(0)	15	(3.5)
	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	(5.8)
	L	14	(41)	20	(59)	0	(0)	0	(0)	34	(7.9)
	M	12	(40)	18	(60)	0	(0)	0	(0)	30	(7.0)
	N	2	(67)	1	(33)	0	(0)	0	(0)	3	(0.7)
	P	19	(51)	18	(49)	0	(0)	0	(0)	37	(8.6)
	Q	13	(59)	8	(36)	1	(5)	0	(0)	22	(5.1)
	R	21	(54)	18	(46)	0	(0)	0	(0)	39	(9.1)
	S	5	(83)	1	(17)	0	(0)	0	(0)	6	(1.4)
	T	6	(40)	9	(60)	0	(0)	0	(0)	15	(3.5)
	U	5	(100)	0	(0)	0	(0)	0	(0)	5	(1.2)
	V	8	(62)	5	(38)	0	(0)	0	(0)	13	(3.0)
	W	14	(78)	4	(22)	0	(0)	0	(0)	18	(4.2)
	X	9	(38)	14	(58)	0	(0)	1	(4)	24	(5.6)
	Y	11	(37)	19	(63)	0	(0)	0	(0)	30	(7.0)
	Z	7	(88)	0	(0)	1	(13)	0	(0)	8	(1.9)
	ZA	14	(61)	9	(39)	0	(0)	0	(0)	23	(5.4)
	ZB	1	(100)	0	(0)	0	(0)	0	(0)	1	(0.2)
2008 Total		**238**	**(55.5)**	**184**	**(42.9)**	**4**	**(0.9)**	**3**	**(0.7)**	**429**	
2009	A	5	(83)	1	(17)	0	(0)	0	(0)	6	(1.4)
	B	17	(63)	10	(37)	0	(0)	0	(0)	27	(6.2)
	C	1	(100)	0	(0)	0	(0)	0	(0)	1	(0.2)
	D	19	(70)	8	(30)	0	(0)	0	(0)	27	(6.2)
	E1	11	(65)	6	(35)	0	(0)	0	(0)	17	(3.9)
	E2	11	(79)	3	(21)	0	(0)	0	(0)	14	(3.2)
	F	8	(50)	7	(44)	1	(6)	0	(0)	16	(3.7)
	H	6	(100)	0	(0)	0	(0)	0	(0)	6	(1.4)
	I	10	(77)	3	(23)	0	(0)	0	(0)	13	(3.0)
	J	1	(100)	0	(0)	0	(0)	0	(0)	1	(0.2)
	K	7	(47)	5	(33)	1	(7)	2	(13)	15	(3.5)
	L	17	(52)	15	(45)	0	(0)	1	(3)	33	(7.6)
	M	13	(59)	9	(41)	0	(0)	0	(0)	22	(5.1)
	N	2	(67)	1	(33)	0	(0)	0	(0)	3	(0.7)
	O	0	(0)	2	(100)	0	(0)	0	(0)	2	(0.5)
	P	5	(25)	15	(75)	0	(0)	0	(0)	20	(4.6)
	Q	7	(41)	10	(59)	0	(0)	0	(0)	17	(3.9)
	R	21	(54)	17	(44)	1	(3)	0	(0)	39	(9.0)
	S	2	(100)	0	(0)	0	(0)	0	(0)	2	(0.5)
	T	13	(81)	3	(19)	0	(0)	0	(0)	16	(3.7)
	U	1	(50)	1	(50)	0	(0)	0	(0)	2	(0.5)
	V	11	(44)	14	(56)	0	(0)	0	(0)	25	(5.8)
	W	8	(80)	2	(20)	0	(0)	0	(0)	10	(2.3)
	X	11	(55)	9	(45)	0	(0)	0	(0)	20	(4.6)
	Y	27	(59)	19	(41)	0	(0)	0	(0)	46	(10.6)
	Z	2	(50)	2	(50)	0	(0)	0	(0)	4	(0.9)
	ZA	14	(67)	7	(33)	0	(0)	0	(0)	21	(4.8)
	ZB	2	(22)	6	(67)	1	(11)	0	(0)	9	(2.1)
2009 Total		**252**	**(58.1)**	**175**	**(40.3)**	**4**	**(0.9)**	**3**	**(0.7)**	**434**	
Grand Total		**695**	**(57.1)**	**500**	**(41.1)**	**15**	**(1.2)**	**7**	**(0.6)**	**1,217**	

Table 6 Admissions by month and age, 2007 - 2009

Admission year	Month	Age Group (Years) <1 n	<1 %	1-4 n	1-4 %	5-10 n	5-10 %	11-15 n	11-15 %	Total n	Total %
2007	**1**	655	(52)	322	(25)	143	(11)	145	(11)	**1,265**	**(8.1)**
	2	546	(47)	316	(27)	147	(13)	154	(13)	**1,163**	**(7.5)**
	3	553	(43)	366	(29)	179	(14)	176	(14)	**1,274**	**(8.2)**
	4	587	(46)	330	(26)	166	(13)	192	(15)	**1,275**	**(8.2)**
	5	617	(45)	364	(27)	172	(13)	213	(16)	**1,366**	**(8.8)**
	6	538	(42)	356	(28)	201	(16)	183	(14)	**1,278**	**(8.2)**
	7	615	(47)	328	(25)	195	(15)	175	(13)	**1,313**	**(8.4)**
	8	570	(44)	333	(26)	194	(15)	194	(15)	**1,291**	**(8.3)**
	9	550	(46)	312	(26)	154	(13)	172	(14)	**1,188**	**(7.6)**
	10	630	(45)	363	(26)	174	(13)	225	(16)	**1,392**	**(8.9)**
	11	719	(50)	372	(26)	174	(12)	170	(12)	**1,435**	**(9.2)**
	12	754	(55)	317	(23)	157	(11)	140	(10)	**1,368**	**(8.8)**
2007 Total		**7,334**	**(47.0)**	**4,079**	**(26.1)**	**2,056**	**(13.2)**	**2,139**	**(13.7)**	**15,608**	
2008	**1**	704	(49)	370	(26)	185	(13)	186	(13)	**1,445**	**(8.9)**
	2	540	(44)	312	(25)	196	(16)	189	(15)	**1,237**	**(7.6)**
	3	599	(45)	352	(26)	193	(14)	191	(14)	**1,335**	**(8.2)**
	4	558	(42)	369	(28)	190	(14)	198	(15)	**1,315**	**(8.1)**
	5	600	(45)	355	(27)	200	(15)	180	(13)	**1,335**	**(8.2)**
	6	568	(44)	347	(27)	208	(16)	174	(13)	**1,297**	**(8.0)**
	7	618	(46)	349	(26)	174	(13)	196	(15)	**1,337**	**(8.2)**
	8	602	(47)	335	(26)	174	(14)	177	(14)	**1,288**	**(7.9)**
	9	579	(45)	335	(26)	182	(14)	198	(15)	**1,294**	**(7.9)**
	10	693	(47)	382	(26)	183	(13)	204	(14)	**1,462**	**(9.0)**
	11	764	(53)	355	(25)	174	(12)	152	(11)	**1,445**	**(8.9)**
	12	807	(54)	371	(25)	156	(10)	160	(11)	**1,494**	**(9.2)**
2008 Total		**7,632**	**(46.9)**	**4,232**	**(26.0)**	**2,215**	**(13.6)**	**2,205**	**(13.5)**	**16,284**	
2009	**1**	727	(50)	374	(26)	181	(12)	181	(12)	**1,463**	**(8.6)**
	2	624	(49)	338	(26)	159	(12)	159	(12)	**1,280**	**(7.5)**
	3	689	(47)	373	(25)	202	(14)	212	(14)	**1,476**	**(8.6)**
	4	633	(48)	357	(27)	156	(12)	181	(14)	**1,327**	**(7.8)**
	5	627	(46)	367	(27)	199	(15)	174	(13)	**1,367**	**(8.0)**
	6	610	(43)	390	(27)	208	(15)	218	(15)	**1,426**	**(8.3)**
	7	613	(45)	372	(27)	183	(13)	202	(15)	**1,370**	**(8.0)**
	8	544	(43)	326	(26)	188	(15)	198	(16)	**1,256**	**(7.3)**
	9	695	(47)	346	(24)	206	(14)	223	(15)	**1,470**	**(8.6)**
	10	624	(42)	412	(28)	240	(16)	198	(13)	**1,474**	**(8.6)**
	11	758	(49)	395	(25)	216	(14)	189	(12)	**1,558**	**(9.1)**
	12	930	(57)	369	(22)	195	(12)	150	(9)	**1,644**	**(9.6)**
2009 Total		**8,074**	**(47.2)**	**4,419**	**(25.8)**	**2,333**	**(13.6)**	**2,285**	**(13.4)**	**17,111**	
Grand Total		**23,040**	**(47.0)**	**12,730**	**(26.0)**	**6,604**	**(13.5)**	**6,629**	**(13.5)**	**49,003**	

Figure 6 Admissions by month and age, 2007 - 2009

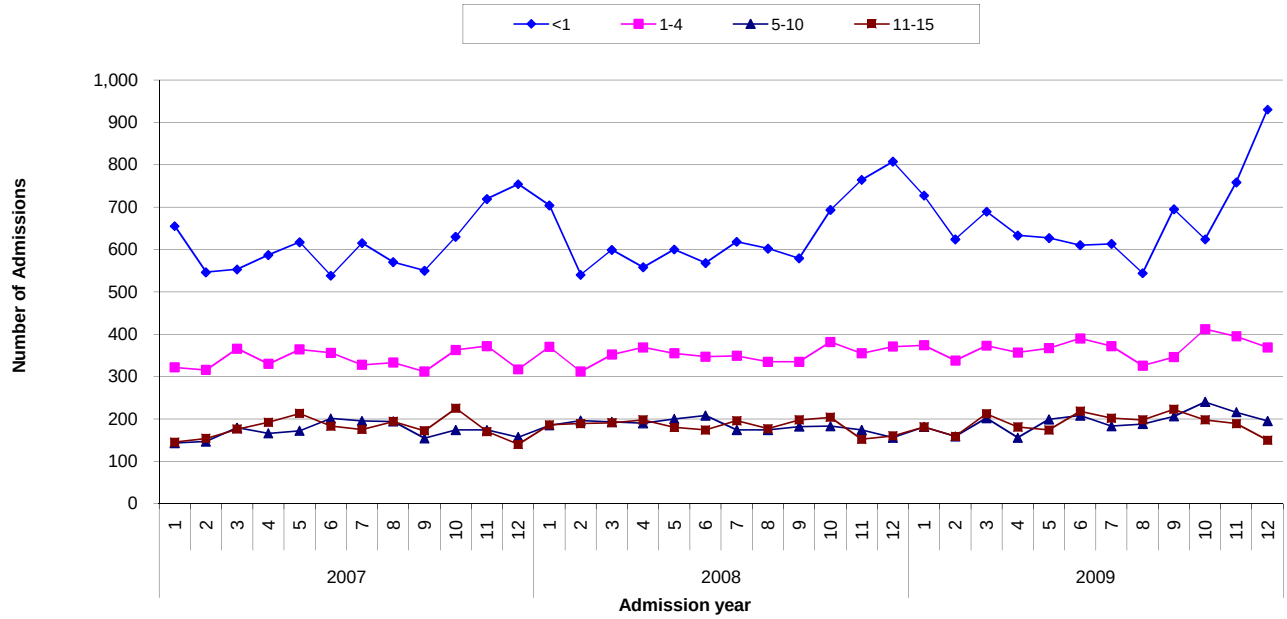


Table 7 Admissions by month and primary diagnostic group, 2007 - 2009

Admission year	Month	Diagnostic Group: Blood / lymphatic n	%	Body wall and cavities n	%	Cardiovascular n	%	Endocrine / metabolic n	%	Gastrointestinal n	%	Infection n	%	Multisystem n	%	Musculoskeletal n	%	Neurological n	%	Oncology n	%	Other n	%	Respiratory n	%	Trauma n	%	Unknown n	%	Total n	%
2007	1	11	(1)	31	(2)	365	(29)	21	(2)	68	(5)	70	(6)	5	(0)	33	(3)	139	(11)	40	(3)	39	(3)	400	(32)	35	(3)	8	(1)	1,265	(8.1)
	2	6	(1)	13	(1)	340	(29)	29	(2)	65	(6)	77	(7)	2	(0)	32	(3)	137	(12)	35	(3)	31	(3)	356	(31)	36	(3)	4	(0)	1,163	(7.5)
	3	8	(1)	21	(2)	354	(28)	33	(3)	85	(7)	80	(6)	4	(0)	62	(5)	134	(11)	39	(3)	78	(6)	339	(27)	34	(3)	3	(0)	1,274	(8.2)
	4	17	(1)	30	(2)	359	(28)	27	(2)	83	(7)	54	(4)	3	(0)	48	(4)	155	(12)	52	(4)	66	(5)	303	(24)	73	(6)	5	(0)	1,275	(8.2)
	5	15	(1)	34	(2)	412	(30)	47	(3)	83	(6)	72	(5)	4	(0)	66	(5)	136	(10)	44	(3)	82	(6)	312	(23)	49	(4)	10	(1)	1,366	(8.8)
	6	19	(1)	37	(3)	372	(29)	33	(3)	91	(7)	59	(5)	6	(0)	58	(5)	145	(11)	51	(4)	65	(5)	298	(23)	41	(3)	3	(0)	1,278	(8.2)
	7	17	(1)	25	(2)	429	(33)	40	(3)	81	(6)	55	(4)	3	(0)	57	(4)	141	(11)	43	(3)	78	(6)	282	(21)	58	(4)	4	(0)	1,313	(8.4)
	8	12	(1)	38	(3)	398	(31)	30	(2)	101	(8)	58	(4)	0	(0)	46	(4)	139	(11)	64	(5)	74	(6)	260	(20)	67	(5)	4	(0)	1,291	(8.3)
	9	9	(1)	40	(3)	394	(33)	34	(3)	77	(6)	46	(4)	5	(0)	50	(4)	118	(10)	40	(3)	68	(6)	249	(21)	49	(4)	9	(1)	1,188	(7.6)
	10	12	(1)	28	(2)	442	(32)	34	(2)	86	(6)	73	(5)	5	(0)	66	(5)	161	(12)	35	(3)	49	(4)	351	(25)	47	(3)	3	(0)	1,392	(8.9)
	11	22	(2)	29	(2)	394	(27)	27	(2)	82	(6)	64	(4)	7	(0)	56	(4)	126	(9)	49	(3)	71	(5)	468	(33)	32	(2)	8	(1)	1,435	(9.2)
	12	14	(1)	27	(2)	307	(22)	32	(2)	74	(5)	93	(7)	1	(0)	23	(2)	142	(10)	46	(3)	47	(3)	533	(39)	22	(2)	7	(1)	1,368	(8.8)
2007 Total		**162**	**(1.0)**	**353**	**(2.3)**	**4,566**	**(29.3)**	**387**	**(2.5)**	**976**	**(6.3)**	**801**	**(5.1)**	**45**	**(0.3)**	**597**	**(3.8)**	**1,673**	**(10.7)**	**538**	**(3.4)**	**748**	**(4.8)**	**4,151**	**(26.6)**	**543**	**(3.5)**	**68**	**(0.4)**	**15,608**	
2008	1	16	(1)	20	(1)	390	(27)	39	(3)	104	(7)	112	(8)	4	(0)	41	(3)	189	(13)	51	(4)	70	(5)	374	(26)	26	(2)	9	(1)	1,445	(8.9)
	2	8	(1)	23	(2)	341	(28)	37	(3)	76	(6)	76	(6)	5	(0)	50	(4)	149	(12)	49	(4)	66	(5)	310	(25)	40	(3)	7	(1)	1,237	(7.6)
	3	19	(1)	26	(2)	373	(28)	28	(2)	97	(7)	73	(5)	4	(0)	49	(4)	162	(12)	56	(4)	75	(6)	318	(24)	43	(3)	12	(1)	1,335	(8.2)
	4	17	(1)	34	(3)	383	(29)	33	(3)	86	(7)	86	(7)	6	(0)	61	(5)	155	(12)	47	(4)	67	(5)	288	(22)	44	(3)	8	(1)	1,315	(8.1)
	5	13	(1)	22	(2)	376	(28)	37	(3)	95	(7)	82	(6)	2	(0)	45	(3)	177	(13)	51	(4)	81	(6)	296	(22)	53	(4)	5	(0)	1,335	(8.2)
	6	24	(2)	16	(1)	416	(32)	30	(2)	94	(7)	67	(5)	5	(0)	54	(4)	167	(13)	46	(4)	72	(6)	247	(19)	54	(4)	5	(0)	1,297	(8.0)
	7	21	(2)	30	(2)	443	(33)	39	(3)	89	(7)	68	(5)	1	(0)	55	(4)	150	(11)	47	(4)	80	(6)	261	(20)	50	(4)	3	(0)	1,337	(8.2)
	8	17	(1)	23	(2)	428	(33)	32	(2)	105	(8)	62	(5)	5	(0)	54	(4)	141	(11)	43	(3)	68	(5)	253	(20)	51	(4)	6	(0)	1,288	(7.9)
	9	19	(1)	28	(2)	374	(29)	32	(2)	103	(8)	47	(4)	1	(0)	49	(4)	164	(13)	43	(3)	67	(5)	318	(25)	41	(3)	8	(1)	1,294	(7.9)
	10	18	(1)	38	(3)	436	(30)	39	(3)	81	(6)	84	(6)	2	(0)	62	(4)	164	(11)	49	(3)	77	(5)	357	(24)	46	(3)	9	(1)	1,462	(9.0)
	11	14	(1)	26	(2)	323	(22)	33	(2)	89	(6)	85	(6)	5	(0)	39	(3)	142	(10)	37	(3)	61	(4)	545	(38)	37	(3)	9	(1)	1,445	(8.9)
	12	20	(1)	33	(2)	324	(22)	25	(2)	81	(5)	129	(9)	1	(0)	29	(2)	172	(12)	54	(4)	44	(3)	542	(36)	26	(2)	14	(1)	1,494	(9.2)
2008 Total		**206**	**(1.3)**	**319**	**(2.0)**	**4,607**	**(28.3)**	**404**	**(2.5)**	**1,100**	**(6.8)**	**971**	**(6.0)**	**41**	**(0.3)**	**588**	**(3.6)**	**1,932**	**(11.9)**	**573**	**(3.5)**	**828**	**(5.1)**	**4,109**	**(25.2)**	**511**	**(3.1)**	**95**	**(0.6)**	**16,284**	
2009	1	12	(1)	27	(2)	393	(27)	32	(2)	99	(7)	120	(8)	4	(0)	55	(4)	151	(10)	39	(3)	62	(4)	436	(30)	28	(2)	5	(0)	1,463	(8.6)
	2	11	(1)	37	(3)	347	(27)	24	(2)	83	(6)	92	(7)	5	(0)	50	(4)	155	(12)	34	(3)	59	(5)	359	(28)	21	(2)	3	(0)	1,280	(7.5)
	3	13	(1)	26	(2)	402	(27)	45	(3)	116	(8)	84	(6)	4	(0)	54	(4)	154	(10)	48	(3)	82	(6)	389	(26)	45	(3)	14	(1)	1,476	(8.6)
	4	15	(1)	32	(2)	369	(28)	27	(2)	88	(7)	87	(7)	3	(0)	57	(4)	139	(10)	58	(4)	69	(5)	331	(25)	45	(3)	7	(1)	1,327	(7.8)
	5	19	(1)	37	(3)	371	(27)	41	(3)	111	(8)	65	(5)	2	(0)	52	(4)	167	(12)	45	(3)	79	(6)	312	(23)	45	(3)	21	(2)	1,367	(8.0)
	6	20	(1)	40	(3)	442	(31)	32	(2)	113	(8)	70	(5)	2	(0)	61	(4)	165	(12)	56	(4)	63	(4)	279	(20)	65	(5)	18	(1)	1,426	(8.3)
	7	12	(1)	39	(3)	410	(30)	31	(2)	91	(7)	78	(6)	2	(0)	60	(4)	152	(11)	57	(4)	75	(5)	284	(21)	57	(4)	22	(2)	1,370	(8.0)
	8	16	(1)	27	(2)	418	(33)	31	(2)	96	(8)	65	(5)	3	(0)	65	(5)	144	(11)	55	(4)	61	(5)	221	(18)	51	(4)	3	(0)	1,256	(7.3)
	9	14	(1)	42	(3)	459	(31)	41	(3)	101	(7)	57	(4)	8	(1)	62	(4)	147	(10)	50	(3)	73	(5)	364	(25)	42	(3)	10	(1)	1,470	(8.6)
	10	11	(1)	29	(2)	420	(28)	42	(3)	103	(7)	87	(6)	0	(0)	38	(3)	154	(10)	53	(4)	74	(5)	412	(28)	40	(3)	11	(1)	1,474	(8.6)
	11	15	(1)	29	(2)	419	(27)	41	(3)	114	(7)	104	(7)	4	(0)	39	(3)	142	(9)	43	(3)	66	(4)	488	(31)	28	(2)	26	(2)	1,558	(9.1)
	12	12	(1)	23	(1)	352	(21)	39	(2)	77	(5)	126	(8)	3	(0)	30	(2)	171	(10)	40	(2)	43	(3)	676	(41)	31	(2)	21	(1)	1,644	(9.6)
2009 Total		**170**	**(1.0)**	**388**	**(2.3)**	**4,802**	**(28.1)**	**426**	**(2.5)**	**1,192**	**(7.0)**	**1,035**	**(6.0)**	**40**	**(0.2)**	**623**	**(3.6)**	**1,841**	**(10.8)**	**578**	**(3.4)**	**806**	**(4.7)**	**4,551**	**(26.6)**	**498**	**(2.9)**	**161**	**(0.9)**	**17,111**	
Grand Total		**538**	**(1.1)**	**1,060**	**(2.2)**	**13,975**	**(28.5)**	**1,217**	**(2.5)**	**3,268**	**(6.7)**	**2,807**	**(5.7)**	**126**	**(0.3)**	**1,808**	**(3.7)**	**5,446**	**(11.1)**	**1,689**	**(3.4)**	**2,382**	**(4.9)**	**12,811**	**(26.1)**	**1,552**	**(3.2)**	**324**	**(0.7)**	**49,003**	

Figure 7 Admissions by month and primary diagnostic group, 2007 - 2009

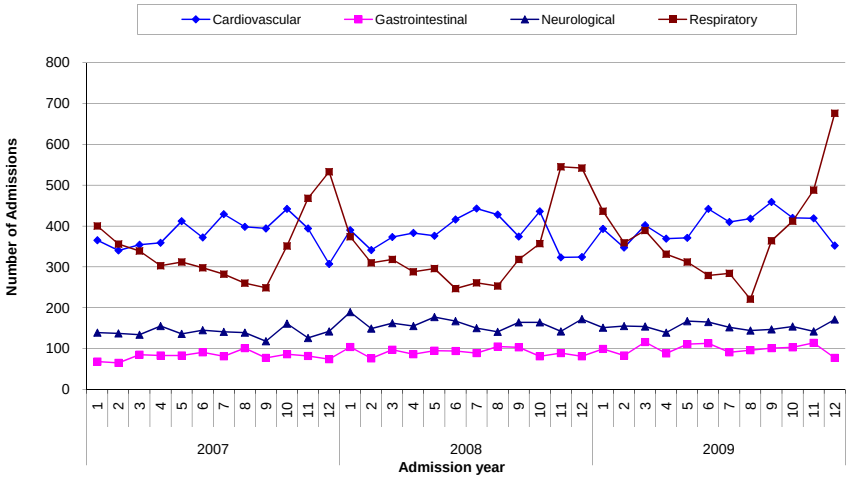


Table 8 Respiratory admissions by month and age, 2007 - 2009

Admission year	Month	Age Group (Years) <1 n	<1 %	1-4 n	1-4 %	5-10 n	5-10 %	11-15 n	11-15 %	Total n	Total %
2007	**1**	254	(64)	94	(24)	28	(7)	24	(6)	**400**	**(9.6)**
	2	186	(52)	100	(28)	42	(12)	28	(8)	**356**	**(8.6)**
	3	152	(45)	117	(35)	40	(12)	30	(9)	**339**	**(8.2)**
	4	144	(48)	99	(33)	33	(11)	27	(9)	**303**	**(7.3)**
	5	133	(43)	105	(34)	35	(11)	39	(13)	**312**	**(7.5)**
	6	126	(42)	101	(34)	48	(16)	23	(8)	**298**	**(7.2)**
	7	124	(44)	82	(29)	50	(18)	26	(9)	**282**	**(6.8)**
	8	115	(44)	84	(32)	33	(13)	28	(11)	**260**	**(6.3)**
	9	109	(44)	81	(33)	26	(10)	33	(13)	**249**	**(6.0)**
	10	156	(44)	107	(30)	54	(15)	34	(10)	**351**	**(8.5)**
	11	271	(58)	124	(26)	45	(10)	28	(6)	**468**	**(11.3)**
	12	352	(66)	107	(20)	41	(8)	33	(6)	**533**	**(12.8)**
2007 Total		**2,122**	**(51.1)**	**1,201**	**(28.9)**	**475**	**(11.4)**	**353**	**(8.5)**	4,151	
2008	**1**	218	(58)	93	(25)	37	(10)	26	(7)	**374**	**(9.1)**
	2	155	(50)	84	(27)	42	(14)	29	(9)	**310**	**(7.5)**
	3	151	(47)	100	(31)	39	(12)	28	(9)	**318**	**(7.7)**
	4	126	(44)	93	(32)	35	(12)	34	(12)	**288**	**(7.0)**
	5	133	(45)	94	(32)	35	(12)	34	(11)	**296**	**(7.2)**
	6	107	(43)	74	(30)	38	(15)	28	(11)	**247**	**(6.0)**
	7	119	(46)	91	(35)	27	(10)	24	(9)	**261**	**(6.4)**
	8	115	(45)	87	(34)	26	(10)	25	(10)	**253**	**(6.2)**
	9	129	(41)	114	(36)	44	(14)	31	(10)	**318**	**(7.7)**
	10	168	(47)	120	(34)	36	(10)	33	(9)	**357**	**(8.7)**
	11	334	(61)	136	(25)	48	(9)	27	(5)	**545**	**(13.3)**
	12	335	(62)	138	(25)	40	(7)	29	(5)	**542**	**(13.2)**
2008 Total		**2,090**	**(50.9)**	**1,224**	**(29.8)**	**447**	**(10.9)**	**348**	**(8.5)**	4,109	
2009	**1**	244	(56)	118	(27)	48	(11)	26	(6)	**436**	**(9.6)**
	2	195	(54)	100	(28)	37	(10)	27	(8)	**359**	**(7.9)**
	3	184	(47)	112	(29)	55	(14)	38	(10)	**389**	**(8.5)**
	4	175	(53)	101	(31)	25	(8)	30	(9)	**331**	**(7.3)**
	5	144	(46)	97	(31)	42	(13)	29	(9)	**312**	**(6.9)**
	6	104	(37)	95	(34)	47	(17)	33	(12)	**279**	**(6.1)**
	7	122	(43)	92	(32)	37	(13)	33	(12)	**284**	**(6.2)**
	8	100	(45)	76	(34)	26	(12)	19	(9)	**221**	**(4.9)**
	9	159	(44)	112	(31)	61	(17)	32	(9)	**364**	**(8.0)**
	10	154	(37)	133	(32)	81	(20)	44	(11)	**412**	**(9.1)**
	11	242	(50)	144	(30)	68	(14)	34	(7)	**488**	**(10.7)**
	12	450	(67)	142	(21)	52	(8)	32	(5)	**676**	**(14.9)**
2009 Total		**2,273**	**(49.9)**	**1,322**	**(29.0)**	**579**	**(12.7)**	**377**	**(8.3)**	4,551	
Grand Total		**6,485**	**(50.6)**	**3,747**	**(29.2)**	**1,501**	**(11.7)**	**1,078**	**(8.4)**	12,811	

Figure 8 Respiratory admissions by month and age, 2007 - 2009

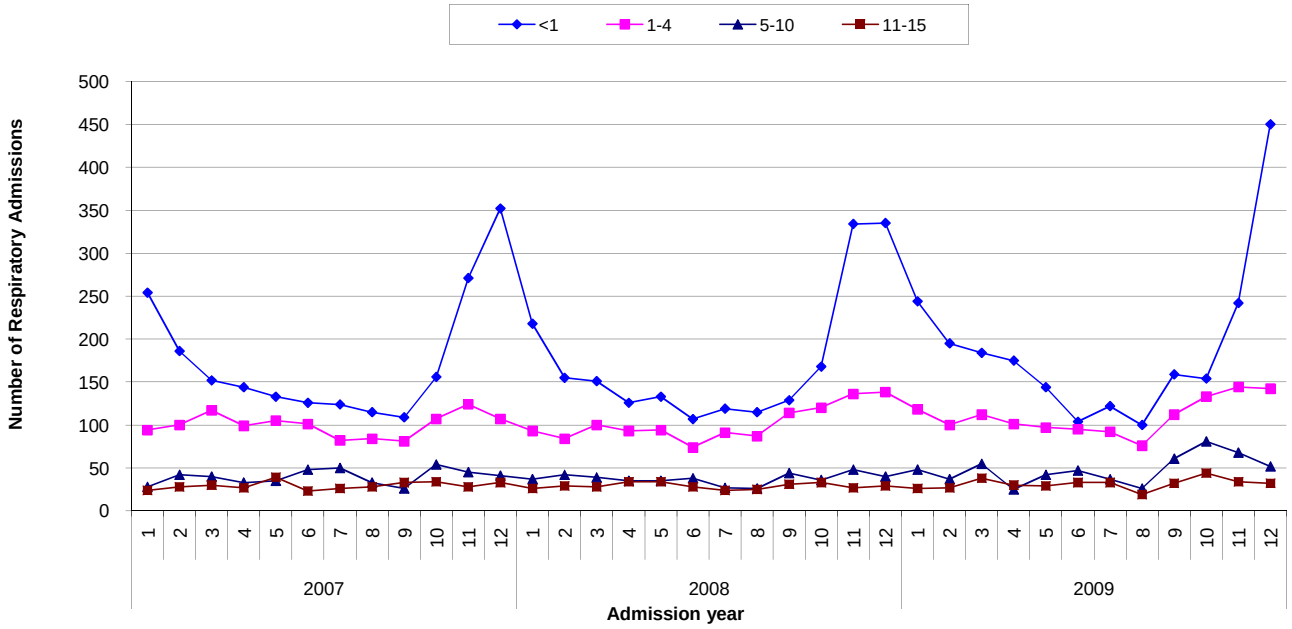


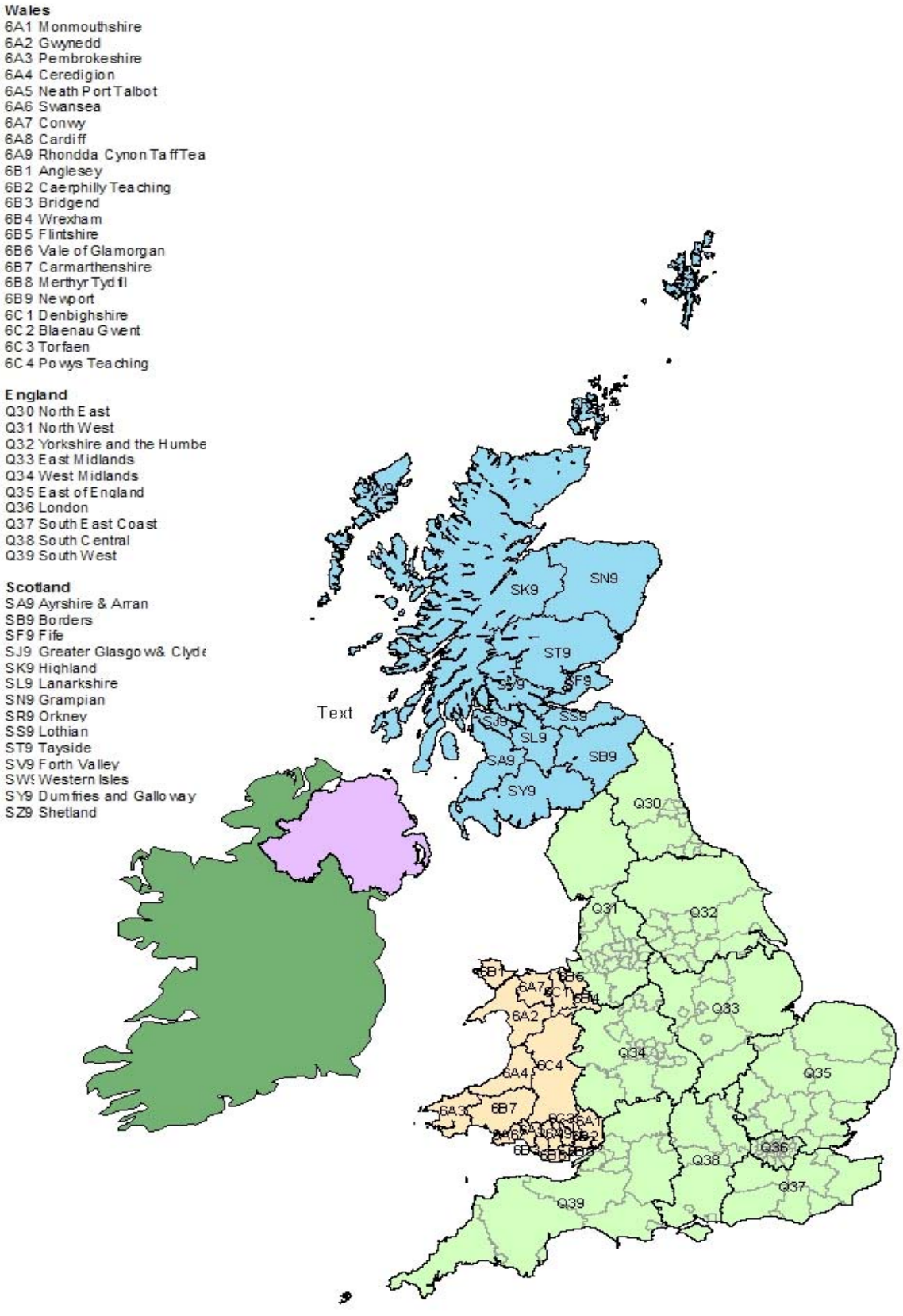
Table 9 Admissions by month by NHS trust, 2007 - 2009

Admission year	NHS Trust	Month																												Total	
		January		February		March		April		May		June		July		August		September		October		November		December			
		n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
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)
	E1	63	(8)	48	(6)	66	(8)	65	(8)	69	(9)	81	(10)	82	(10)	77	(10)	61	(8)	60	(8)	61	(8)	59	(7)	792	(5.1)
	E2	45	(6)	46	(7)	57	(8)	52	(7)	51	(7)	49	(7)	60	(9)	73	(11)	66	(9)	68	(10)	71	(10)	57	(8)	695	(4.5)
	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	(6)	24	(8)	38	(13)	24	(8)	28	(9)	26	(9)	27	(9)	15	(5)	37	(12)	20	(7)	13	(4)	30	(10)	301	(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)	96	(10)	86	(9)	89	(10)	935	(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)	52	(8)	47	(7)	53	(8)	53	(8)	59	(9)	45	(7)	639	(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	(4.6)
	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)	63	(9)	63	(9)	77	(11)	59	(8)	55	(8)	55	(8)	58	(8)	64	(9)	47	(6)	64	(9)	728	(4.7)
	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		1,265	(8.1)	1,163	(7.5)	1,274	(8.2)	1,275	(8.2)	1,366	(8.8)	1,278	(8.2)	1,313	(8.4)	1,291	(8.3)	1,188	(7.6)	1,392	(8.9)	1,435	(9.2)	1,368	(8.8)	15,608	
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)	23	(8)	27	(9)	24	(8)	13	(5)	18	(6)	285	(1.8)
	C	31	(10)	21	(7)	27	(9)	23	(7)	30	(10)	22	(7)	21	(7)	18	(6)	23	(7)	32	(10)	30	(10)	29	(9)	307	(1.9)
	D	60	(9)	63	(10)	54	(8)	64	(10)	52	(8)	47	(7)	52	(8)	50	(8)	47	(7)	54	(8)	62	(9)	51	(8)	656	(4.0)
	E1	64	(7)	66	(7)	59	(7)	62	(7)	82	(9)	78	(9)	76	(9)	78	(9)	73	(8)	97	(11)	77	(9)	80	(9)	892	(5.5)
	E2	68	(10)	67	(10)	48	(7)	54	(8)	60	(9)	60	(9)	57	(9)	54	(8)	52	(8)	54	(8)	51	(8)	45	(7)	670	(4.1)
	F	89	(8)	82	(7)	101	(9)	82	(7)	103	(9)	101	(9)	105	(9)	98	(8)	86	(7)	92	(8)	106	(9)	111	(10)	1,156	(7.1)
	G	4	(13)	7	(22)	0	(0)	3	(9)	2	(6)	1	(3)	1	(3)	1	(3)	2	(6)	2	(6)	5	(16)	4	(13)	32	(0.2)
	H	34	(9)	23	(6)	25	(6)	21	(5)	38	(10)	23	(6)	22	(6)	30	(8)	38	(10)	51	(13)	50	(13)	37	(9)	392	(2.4)
	I	92	(11)	70	(8)	67	(8)	81	(10)	70	(8)	58	(7)	60	(7)	50	(6)	66	(8)	78	(9)	69	(8)	66	(8)	827	(5.1)
	J	11	(9)	8	(6)	13	(10)	17	(13)	13	(10)	9	(7)	4	(3)	12	(9)	15	(12)	10	(8)	9	(7)	8	(6)	129	(0.8)
	K	84	(9)	64	(7)	81	(9)	79	(9)	77	(8)	83	(9)	83	(9)	76	(8)	62	(7)	66	(7)	76	(8)	88	(10)	919	(5.6)
	L	28	(9)	23	(7)	25	(8)	33	(10)	26	(8)	20	(6)	19	(6)	19	(6)	32	(10)	30	(9)	29	(9)	35	(11)	319	(2.0)
	M	20	(6)	21	(6)	29	(8)	35	(10)	35	(10)	25	(7)	36	(10)	37	(10)	29	(8)	26	(7)	28	(8)	39	(11)	360	(2.2)
	N	35	(12)	33	(11)	35	(12)	22	(7)	18	(6)	25	(8)	28	(9)	17	(6)	19	(6)	24	(8)	19	(6)	25	(8)	300	(1.8)
	O	56	(9)	50	(8)	48	(8)	44	(7)	44	(7)	41	(7)	47	(8)	58	(10)	58	(10)	62	(10)	54	(9)	48	(8)	610	(3.7)
	P	90	(8)	84	(8)	95	(9)	97	(9)	86	(8)	109	(10)	87	(8)	86	(8)	87	(8)	96	(9)	98	(9)	97	(9)	1,112	(6.8)
	Q	53	(9)	44	(8)	64	(11)	53	(9)	46	(8)	32	(6)	35	(6)	33	(6)	50	(9)	46	(8)	56	(10)	59	(10)	571	(3.5)
	R	62	(9)	44	(6)	50	(7)	45	(7)	48	(7)	61	(9)	63	(9)	59	(9)	38	(6)	72	(11)	70	(10)	72	(11)	684	(4.2)
	S	19	(10)	15	(8)	16	(8)	14	(7)	12	(6)	19	(10)	17	(9)	9	(5)	13	(7)	21	(11)	19	(10)	22	(11)	196	(1.2)
	T	36	(8)	35	(7)	41	(9)	38	(8)	45	(9)	38	(8)	45	(9)	28	(6)	37	(8)	43	(9)	44	(9)	45	(9)	475	(2.9)
	U	25	(8)	15	(5)	24	(8)	22	(7)	30	(10)	25	(8)	26	(9)	24	(8)	23	(8)	21	(7)	25	(8)	41	(14)	301	(1.8)
	V	99	(9)	85	(8)	102	(9)	90	(8)	89	(8)	94	(9)	101	(9)	90	(8)	87	(8)	88	(8)	87	(8)	90	(8)	1,102	(6.8)
	W	60	(8)	53	(7)	56	(8)	70	(10)	56	(8)	55	(8)	70	(10)	61	(8)	64	(9)	63	(9)	62	(8)	61	(8)	731	(4.5)
	X	70	(9)	46	(6)	55	(7)	57	(7)	51	(7)	55	(7)	79	(10)	74	(10)	66	(9)	76	(10)	62	(8)	70	(9)	761	(4.7)
	Y	58	(13)	40	(9)	41	(9)	41	(9)	33	(7)	25	(6)	35	(8)	36	(8)	29	(6)	36	(8)	39	(9)	40	(9)	453	(2.8)
	Z	26	(7)	30	(8)	35	(9)	25	(6)	21	(5)	26	(7)	34	(9)	24	(6)	35	(9)	42	(11)	45	(11)	50	(13)	393	(2.4)
	ZA	92	(10)	83	(9)	76	(8)	66	(7)	76	(8)	75	(8)	61	(7)	75	(8)	56	(6)	77	(8)	93	(10)	94	(10)	924	(5.7)
	ZB	0	(0)	0	(0)	0	(0)	14	(5)	31	(12)	29	(11)	28	(11)	31	(12)	31	(12)	38	(15)	30	(12)	25	(10)	257	(1.6)
2008 Total		1,445	(8.9)	1,237	(7.6)	1,335	(8.2)	1,315	(8.1)	1,335	(8.2)	1,297	(8.0)	1,337	(8.2)	1,288	(7.9)	1,294	(7.9)	1,462	(9.0)	1,445	(8.9)	1,494	(9.2)	16,284	
2009	A	47	(9)	39	(7)	56	(11)	37	(7)	49	(9)	38	(7)	41	(8)	35	(7)	48	(9)	44	(8)	44	(8)	49	(9)	527	(3.1)
	B	51	(11)	36	(8)	50	(11)	35	(8)	38	(8)	38	(8)	26	(6)	25	(5)	38	(8)	35	(8)	30	(7)	54	(12)	456	(2.7)
	C	29	(8)	31	(9)	34	(10)	25	(7)	16	(5)	23	(7)	27	(8)	29	(8)	24	(7)	22	(6)	36	(10)	47	(14)	343	(2.0)
	D	60	(8)	50	(7)	63	(9)	63	(9)	63	(9)	51	(7)	70	(10)	42	(6)	59	(8)	57	(8)	67	(9)	62	(9)	707	(4.1)
	E1	77	(8)	65	(7)	80	(8)	98	(10)	81	(8)	76	(8)	63	(7)	76	(8)	73	(8)	82	(9)	95	(10)	88	(9)	954	(5.6)
	E2	56	(8)	46	(7)	52	(8)	45	(7)	58	(9)	57	(9)	58	(9)	51	(8)	59	(9)	67	(10)	61	(9)	56	(8)	666	(3.9)
	F	95	(8)	85	(7)	101	(9)	92	(8)	91	(8)	103	(9)	78	(7)	89	(8)	91	(8)	106	(9)	100	(9)	120	(10)	1,151	(6.7)
	G	4	(13)	3	(9)	1	(3)	2	(6)	6	(19)	2	(6)	3	(9)	2	(6)	1	(3)	2	(6)	2	(6)	4	(13)	32	(0.2)
	H	51	(9)	44	(8)	50	(9)	44	(8)	55	(10)	47	(8)	48	(8)	48	(8)	51	(9)	40	(7)	46	(8)	48	(8)	572	(3.3)
	I	74	(9)	55	(7)	77	(10)	66	(8)	72	(9)	68	(8)	62	(8)	59	(7)	64	(8)	61	(8)	78	(10)	66	(8)	802	(4.7)
	J	7	(6)	5	(4)	8	(7)	11	(9)	7	(6)	10	(9)	6	(5)	5	(4)	8	(7)	14	(12)	19	(16)	17	(15)	117	(0.7)
	K	76	(8)	78	(9)	78	(9)	54	(6)	67	(7)	78	(9)	77	(9)	77	(9)	78	(9)	75	(8)	78	(9)	80	(9)	896	(5.2)
	L	24	(8)	19	(6)	24	(8)	14	(5)	20	(7)	26	(9)	24	(8)	19	(6)	32	(10)	30	(10)	28	(9)	45	(15)	305	(1.8)
	M	24	(7)	26	(8)	30	(9)	32	(9)	21	(6)	23	(7)	35	(10)	20	(6)	41	(12)	30	(9)	28	(8)	33	(10)	343	(2.0)
	N	29	(8)	36	(10)	31	(9)	25	(7)	31	(9)	25	(7)	29	(8)	26	(8)	29	(8)	25	(7)	23	(7)	36	(10)	345	(2.0)
	O	48	(7)	52	(8)	59	(9)	50	(7)	55	(8)	60	(9)	53	(8)	58	(8)	63	(9)	61	(9)	65	(9)	69	(10)	693	(4.1)
	P	92	(8)	68	(6)	93	(8)	90	(8)	81	(7)	102	(9)	78	(7)	75	(7)	100	(9)	99	(9)	103	(9)	122	(11)	1,103	(6.4)
	Q	49	(11)	32	(7)	36	(8)	32	(7)	34	(8)	39	(9)	36	(8)	28	(6)	40	(9)	28	(6)	39	(9)	51	(11)	444	(2.6)
	R	56	(8)	57	(8)	60	(8)	56	(8)	53	(7)	55	(7)	66	(9)	53	(7)	77	(10)	67	(9)	68	(9)	72	(10)	740	(4.3)
	S	16	(9)	10	(6)	21	(12)	11	(6)	7	(4)	13	(8)	9	(5)	6	(4)	19	(11)	19	(11)	23	(13)	17	(10)	171	(1.0)
	T	36	(7)	35	(7)	46	(9)	41	(8)	23	(5)	43	(9)	41	(8)	32	(6)	48	(10)	51	(10)	53	(11)	45	(9)	494	(2.9)
	U	33	(10)	30	(9)	30	(9)	19	(6)	26	(8)	24	(7)	23	(7)	21	(6)	24	(7)	29	(9)	37	(11)	39	(12)	335	(2.0)
	V	99	(8)	106	(8)	102	(8)	93	(7)	106	(8)	110	(8)	119	(9)	102	(8)	116	(9)	113	(9)	111	(8)	137	(10)	1,314	(7.7)
	W	52	(8)	50	(8)	44	(7)	44	(7)	58	(9)	51	(8)	53	(9)	47	(8)	39	(6)	57	(9)	61	(10)	67	(11)	623	(3.6)
	X	67	(9)	55	(7)	69	(9)	67	(9)	64	(8)	69	(9)	64	(8)	66	(8)	79	(10)	58	(7)	73	(9)	54	(7)	785	(4.6)
	Y	43	(11)	33	(8)	37	(9)	28	(7)	36	(9)	26	(6)	30	(7)	35	(9)	21	(5)	28	(7)	38	(9)	46	(11)	401	(2.3)
	Z	39	(10)	30	(8)	37	(9)	26	(7)	37	(9)	38	(10)	42	(11)	25	(6)	36	(9)	32	(8)	28	(7)	25	(6)	395	(2.3)
	ZA	85	(9)	74	(8)	69	(8)	82	(9)	76	(8)	82	(9)	77	(8)	73	(8)	72	(8)	90	(10)	86	(9)	54	(6)	920	(5.4)
	ZB	44	(9)	30	(6)	38	(8)	45	(9)	36	(8)	49	(10)	32	(7)	32	(7)	40	(8)	52	(11)	38	(8)	41	(9)	477	(2.8)
2009 Total		1,463	(8.6)	1,280	(7.5)	1,476	(8.6)	1,327	(7.8)	1,367	(8.0)	1,426	(8.3)	1,370	(8.0)	1,256	(7.3)	1,470	(8.6)	1,474	(8.6)	1,558	(9.1)	1,644	(9.6)	17,111	
Grand Total		4,173	(8.5)	3,680	(7.5)	4,085	(8.3)	3,917	(8.0)	4,068	(8.3)	4,001	(8.2)	4,020	(8.2)	3,835	(7.8)	3,952	(8.1)	4,328	(8.8)	4,438	(9.1)	4,506	(9.2)	49,003	

Table 10 Admissions by SHA / HB and year, 2007 - 2009

Country	SHA	Year 2007 n	2007 %	2008 n	2008 %	2009 n	2009 %	Total n	Total %
Channel Islands	**Alderney**	0	(0)	2	(100)	0	(0)	**2**	**(2.2)**
	Guernsey (and Sark)	9	(24)	11	(29)	18	(47)	**38**	**(40.9)**
	Jersey	15	(28)	22	(42)	16	(30)	**53**	**(57.0)**
Channel Islands Total		**24**	**(25.8)**	**35**	**(37.6)**	**34**	**(36.6)**	**93**	
England	**East Midlands**	1,148	(34)	1,084	(32)	1,147	(34)	**3,379**	**(8.2)**
	East of England	1,329	(34)	1,224	(32)	1,326	(34)	**3,879**	**(9.4)**
	London	2,611	(32)	2,721	(33)	2,883	(35)	**8,215**	**(20.0)**
	North East	968	(35)	921	(33)	889	(32)	**2,778**	**(6.8)**
	North West	1,708	(32)	1,761	(33)	1,820	(34)	**5,289**	**(12.9)**
	South Central	843	(32)	855	(33)	899	(35)	**2,597**	**(6.3)**
	South East Coast	1,117	(29)	1,245	(32)	1,496	(39)	**3,858**	**(9.4)**
	South West	838	(33)	874	(35)	798	(32)	**2,510**	**(6.1)**
	West Midlands	1,386	(32)	1,419	(33)	1,558	(36)	**4,363**	**(10.6)**
	Yorkshire and the Humber	1,539	(36)	1,459	(34)	1,275	(30)	**4,273**	**(10.4)**
England Total		**13,487**	**(32.8)**	**13,563**	**(33.0)**	**14,091**	**(34.3)**	**41,141**	
Isle of Man	**Isle of Man**	10	(29)	10	(29)	14	(41)	**34**	**(100.0)**
Isle of Man Total		**10**	**(29.4)**	**10**	**(29.4)**	**14**	**(41.2)**	**34**	
Northern Ireland	**Eastern Health Board**	17	(5)	118	(37)	180	(57)	**315**	**(37.5)**
	Northern Health Board	7	(3)	94	(36)	161	(61)	**262**	**(31.2)**
	Southern Health Board	6	(4)	58	(38)	90	(58)	**154**	**(18.3)**
	Western Health Board	7	(6)	33	(30)	69	(63)	**109**	**(13.0)**
Northern Ireland Total		**37**	**(4.4)**	**303**	**(36.1)**	**500**	**(59.5)**	**840**	
Scotland	**Ayrshire & Arran**	60	(25)	92	(39)	84	(36)	**236**	**(6.2)**
	Borders	34	(37)	28	(30)	31	(33)	**93**	**(2.4)**
	Dumfries and Galloway	34	(36)	33	(35)	27	(29)	**94**	**(2.5)**
	Fife	84	(31)	93	(34)	97	(35)	**274**	**(7.2)**
	Forth Valley	53	(21)	102	(41)	95	(38)	**250**	**(6.6)**
	Grampian	51	(26)	65	(34)	78	(40)	**194**	**(5.1)**
	Greater Glasgow & Clyde	314	(28)	439	(39)	364	(33)	**1,117**	**(29.4)**
	Highland	57	(32)	67	(37)	56	(31)	**180**	**(4.7)**
	Lanarkshire	114	(27)	158	(37)	158	(37)	**430**	**(11.3)**
	Lothian	208	(31)	249	(38)	205	(31)	**662**	**(17.4)**
	Orkney	4	(50)	2	(25)	2	(25)	**8**	**(0.2)**
	Shetland	5	(23)	7	(32)	10	(45)	**22**	**(0.6)**
	Tayside	72	(33)	69	(32)	74	(34)	**215**	**(5.7)**
	Western Isles	9	(39)	5	(22)	9	(39)	**23**	**(0.6)**
Scotland Total		**1,099**	**(28.9)**	**1,409**	**(37.1)**	**1,290**	**(34.0)**	**3,798**	
Wales	**Welsh Health Authorities**	649	(33)	637	(33)	657	(34)	**1,943**	**(100.0)**
Wales Total		**649**	**(33.4)**	**637**	**(32.8)**	**657**	**(33.8)**	**1,943**	
Non-UK		280	(33)	277	(33)	295	(35)	**852**	
Non-UK Total		**280**	**(32.9)**	**277**	**(32.5)**	**295**	**(34.6)**	**852**	
Missing		22	(7)	50	(17)	230	(76)	**302**	
Missing Total		**22**	**(7.3)**	**50**	**(16.6)**	**230**	**(76.2)**	**302**	
Grand Total		**15,608**	**(31.9)**	**16,284**	**(33.2)**	**17,111**	**(34.9)**	**49,003**	

Figure 10 Map showing SHA / HB / PCO boundaries



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

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

Scotland is split into 14 Health Boards which are responsible for primary care.

We acknowledge the assistance of Dr Paul Norman (Univ of Leeds) in producing maps of current Scottish boundaires.

Northern Ireland now has 1 'Health and Social Care Board' so no internal boundaries are shown

Table 11 Admissions by mortality risk group by NHS trust, 2007 - 2009

Admission year	NHS Trust	PIM Group <1% n	<1% %	1 - <5% n	1 - <5% %	5 - <15% n	5 - <15% %	15 - <30% n	15 - <30% %	30%+ n	30%+ %	Total n	Total %
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)**
	E1	59	(7)	375	(47)	282	(36)	59	(7)	17	(2)	**792**	**(5.1)**
	E2	100	(14)	454	(65)	89	(13)	39	(6)	13	(2)	**695**	**(4.5)**
	F	73	(6)	653	(55)	398	(33)	53	(4)	20	(2)	**1,197**	**(7.7)**
	G	0	(0)	19	(42)	15	(33)	3	(7)	8	(18)	**45**	**(0.3)**
	H	61	(20)	141	(47)	74	(25)	17	(6)	8	(3)	**301**	**(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	153	(16)	516	(55)	210	(22)	41	(4)	15	(2)	**935**	**(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	73	(11)	470	(74)	77	(12)	11	(2)	8	(1)	**639**	**(4.1)**
	P	154	(14)	562	(53)	276	(26)	60	(6)	15	(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**	**(4.6)**
	S	49	(26)	107	(56)	32	(17)	0	(0)	2	(1)	**190**	**(1.2)**
	T	108	(28)	180	(47)	75	(19)	16	(4)	6	(2)	**385**	**(2.5)**
	U	12	(3)	99	(27)	208	(57)	32	(9)	16	(4)	**367**	**(2.4)**
	V	38	(3)	545	(47)	417	(36)	101	(9)	50	(4)	**1,151**	**(7.4)**
	W	30	(4)	392	(57)	215	(31)	38	(6)	14	(2)	**689**	**(4.4)**
	X	151	(21)	418	(57)	115	(16)	35	(5)	9	(1)	**728**	**(4.7)**
	Y	111	(26)	185	(44)	111	(26)	15	(4)	2	(0)	**424**	**(2.7)**
	Z	69	(19)	263	(73)	25	(7)	2	(1)	0	(0)	**359**	**(2.3)**
	ZA	155	(24)	314	(49)	123	(19)	29	(5)	15	(2)	**636**	**(4.1)**
2007 Total		**2,316**	**(14.8)**	**8,153**	**(52.2)**	**4,024**	**(25.8)**	**784**	**(5.0)**	**331**	**(2.1)**	**15,608**	
2008	**A**	141	(30)	227	(48)	90	(19)	10	(2)	2	(0)	**470**	**(2.9)**
	B	72	(25)	178	(62)	31	(11)	2	(1)	2	(1)	**285**	**(1.8)**
	C	29	(9)	112	(36)	145	(47)	12	(4)	9	(3)	**307**	**(1.9)**
	D	88	(13)	304	(46)	191	(29)	46	(7)	27	(4)	**656**	**(4.0)**
	E1	61	(7)	339	(38)	393	(44)	72	(8)	27	(3)	**892**	**(5.5)**
	E2	103	(15)	427	(64)	95	(14)	35	(5)	10	(1)	**670**	**(4.1)**
	F	106	(9)	589	(51)	376	(33)	70	(6)	15	(1)	**1,156**	**(7.1)**
	G	0	(0)	16	(50)	12	(38)	0	(0)	4	(13)	**32**	**(0.2)**
	H	85	(22)	189	(48)	90	(23)	19	(5)	9	(2)	**392**	**(2.4)**
	I	159	(19)	425	(51)	190	(23)	33	(4)	20	(2)	**827**	**(5.1)**
	J	44	(34)	69	(53)	14	(11)	0	(0)	2	(2)	**129**	**(0.8)**
	K	137	(15)	486	(53)	224	(24)	54	(6)	18	(2)	**919**	**(5.6)**
	L	61	(19)	138	(43)	92	(29)	21	(7)	7	(2)	**319**	**(2.0)**
	M	54	(15)	167	(46)	108	(30)	22	(6)	9	(3)	**360**	**(2.2)**
	N	19	(6)	147	(49)	96	(32)	22	(7)	16	(5)	**300**	**(1.8)**
	O	61	(10)	475	(78)	67	(11)	5	(1)	2	(0)	**610**	**(3.7)**
	P	175	(16)	553	(50)	313	(28)	54	(5)	17	(2)	**1,112**	**(6.8)**
	Q	121	(21)	280	(49)	145	(25)	16	(3)	9	(2)	**571**	**(3.5)**
	R	83	(12)	362	(53)	180	(26)	47	(7)	12	(2)	**684**	**(4.2)**
	S	44	(22)	100	(51)	41	(21)	8	(4)	3	(2)	**196**	**(1.2)**
	T	117	(25)	210	(44)	104	(22)	26	(5)	18	(4)	**475**	**(2.9)**
	U	18	(6)	113	(38)	148	(49)	19	(6)	3	(1)	**301**	**(1.8)**
	V	32	(3)	511	(46)	404	(37)	102	(9)	53	(5)	**1,102**	**(6.8)**
	W	48	(7)	409	(56)	215	(29)	39	(5)	20	(3)	**731**	**(4.5)**
	X	147	(19)	422	(55)	147	(19)	36	(5)	9	(1)	**761**	**(4.7)**
	Y	105	(23)	202	(45)	120	(26)	20	(4)	6	(1)	**453**	**(2.8)**
	Z	63	(16)	255	(65)	66	(17)	7	(2)	2	(1)	**393**	**(2.4)**
	ZA	225	(24)	468	(51)	190	(21)	31	(3)	10	(1)	**924**	**(5.7)**
	ZB	35	(14)	135	(53)	70	(27)	12	(5)	5	(2)	**257**	**(1.6)**
2008 Total		**2,433**	**(14.9)**	**8,308**	**(51.0)**	**4,357**	**(26.8)**	**840**	**(5.2)**	**346**	**(2.1)**	**16,284**	
2009	**A**	159	(30)	270	(51)	76	(14)	11	(2)	11	(2)	**527**	**(3.1)**
	B	161	(35)	281	(62)	10	(2)	4	(1)	0	(0)	**456**	**(2.7)**
	C	32	(9)	122	(36)	153	(45)	27	(8)	9	(3)	**343**	**(2.0)**
	D	125	(18)	297	(42)	232	(33)	38	(5)	15	(2)	**707**	**(4.1)**
	E1	59	(6)	408	(43)	394	(41)	69	(7)	24	(3)	**954**	**(5.6)**
	E2	123	(18)	396	(59)	101	(15)	30	(5)	16	(2)	**666**	**(3.9)**
	F	75	(7)	627	(54)	361	(31)	70	(6)	18	(2)	**1,151**	**(6.7)**
	G	0	(0)	17	(53)	10	(31)	4	(13)	1	(3)	**32**	**(0.2)**
	H	130	(23)	309	(54)	104	(18)	21	(4)	8	(1)	**572**	**(3.3)**
	I	149	(19)	444	(55)	156	(19)	33	(4)	20	(2)	**802**	**(4.7)**
	J	33	(28)	68	(58)	13	(11)	1	(1)	2	(2)	**117**	**(0.7)**
	K	156	(17)	492	(55)	189	(21)	45	(5)	14	(2)	**896**	**(5.2)**
	L	56	(18)	126	(41)	92	(30)	26	(9)	5	(2)	**305**	**(1.8)**
	M	40	(12)	146	(43)	120	(35)	24	(7)	13	(4)	**343**	**(2.0)**
	N	18	(5)	173	(50)	120	(35)	26	(8)	8	(2)	**345**	**(2.0)**
	O	73	(11)	546	(79)	69	(10)	5	(1)	0	(0)	**693**	**(4.1)**
	P	126	(11)	579	(52)	331	(30)	51	(5)	16	(1)	**1,103**	**(6.4)**
	Q	46	(10)	231	(52)	125	(28)	30	(7)	12	(3)	**444**	**(2.6)**
	R	111	(15)	362	(49)	194	(26)	57	(8)	16	(2)	**740**	**(4.3)**
	S	33	(19)	97	(57)	33	(19)	8	(5)	0	(0)	**171**	**(1.0)**
	T	113	(23)	238	(48)	101	(20)	36	(7)	6	(1)	**494**	**(2.9)**
	U	15	(4)	131	(39)	173	(52)	14	(4)	2	(1)	**335**	**(2.0)**
	V	45	(3)	671	(51)	456	(35)	99	(8)	43	(3)	**1,314**	**(7.7)**
	W	45	(7)	345	(55)	193	(31)	27	(4)	13	(2)	**623**	**(3.6)**
	X	147	(19)	419	(53)	163	(21)	43	(5)	13	(2)	**785**	**(4.6)**
	Y	119	(30)	190	(47)	77	(19)	11	(3)	4	(1)	**401**	**(2.3)**
	Z	79	(20)	267	(68)	47	(12)	2	(1)	0	(0)	**395**	**(2.3)**
	ZA	236	(26)	472	(51)	188	(20)	17	(2)	7	(1)	**920**	**(5.4)**
	ZB	69	(14)	234	(49)	135	(28)	30	(6)	9	(2)	**477**	**(2.8)**
2009 Total		**2,573**	**(15.0)**	**8,958**	**(52.4)**	**4,416**	**(25.8)**	**859**	**(5.0)**	**305**	**(1.8)**	**17,111**	
Grand Total		**7,322**	**(14.9)**	**25,419**	**(51.9)**	**12,797**	**(26.1)**	**2,483**	**(5.1)**	**982**	**(2.0)**	**49,003**	

Table 12 Admissions by admission type and age, 2007 - 2009

Admission Type	Age Group (Years) <1 n	<1 %	1-4 n	1-4 %	5-10 n	5-10 %	11-15 n	11-15 %	Total n	Total %
Planned - following surgery	7,081	(43)	4,481	(27)	2,321	(14)	2,586	(16)	**16,469**	**(33.6)**
Unplanned - following surgery	1,070	(41)	676	(26)	435	(17)	406	(16)	**2,587**	**(5.3)**
Planned - other	1,827	(60)	558	(18)	330	(11)	335	(11)	**3,050**	**(6.2)**
Unplanned - other	13,018	(49)	6,987	(26)	3,498	(13)	3,298	(12)	**26,801**	**(54.7)**
Unknown	44	(46)	28	(29)	20	(21)	4	(4)	**96**	**(0.2)**
Total	**23,040**	**(47.0)**	**12,730**	**(26.0)**	**6,604**	**(13.5)**	**6,629**	**(13.5)**	**49,003**	

Figure 12 Admissions by admission type, 2007 - 2009

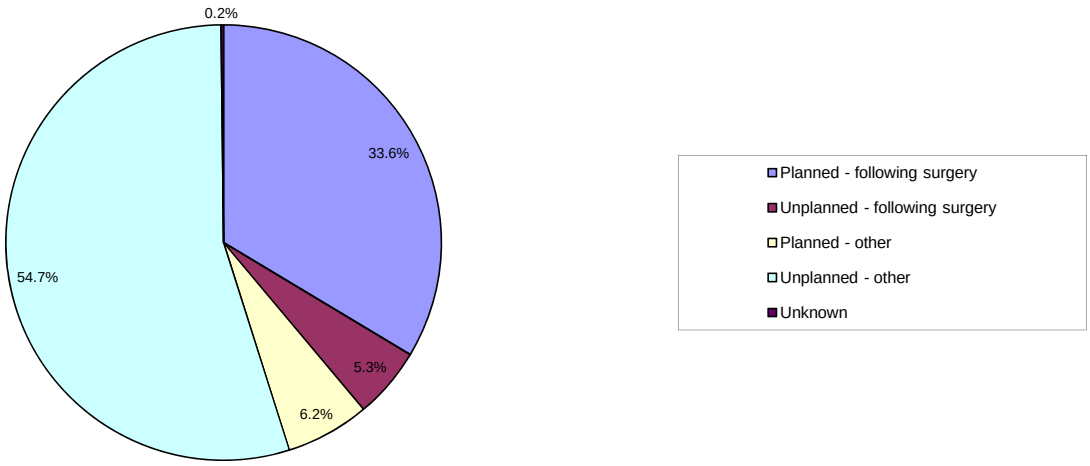


Table 13 Admissions by admission type by NHS trust, 2007 - 2009

Admission year	NHS Trust	Admission Type: Planned - following surgery n	%	Unplanned - following surgery n	%	Planned - other n	%	Unplanned - other n	%	Unknown n	%	Total n	%
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)
	E1	143	(18)	2	(0)	55	(7)	592	(75)	0	(0)	792	(5.1)
	E2	428	(62)	0	(0)	47	(7)	220	(32)	0	(0)	695	(4.5)
	F	411	(34)	67	(6)	29	(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	(29)	15	(5)	47	(16)	152	(50)	0	(0)	301	(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	313	(33)	102	(11)	119	(13)	401	(43)	0	(0)	935	(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)	156	(24)	115	(18)	0	(0)	639	(4.1)
	P	478	(45)	8	(1)	31	(3)	550	(52)	0	(0)	1,067	(6.8)
	Q	176	(29)	16	(3)	26	(4)	388	(64)	0	(0)	606	(3.9)
	R	247	(34)	33	(5)	81	(11)	364	(50)	0	(0)	725	(4.6)
	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)	94	(8)	663	(58)	2	(0)	1,151	(7.4)
	W	238	(35)	23	(3)	7	(1)	391	(57)	30	(4)	689	(4.4)
	X	203	(28)	5	(1)	58	(8)	462	(63)	0	(0)	728	(4.7)
	Y	160	(38)	29	(7)	14	(3)	221	(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		5,191	(33.3)	756	(4.8)	1,053	(6.7)	8,571	(54.9)	37	(0.2)	15,608	
2008	A	143	(30)	35	(7)	18	(4)	274	(58)	0	(0)	470	(2.9)
	B	54	(19)	18	(6)	20	(7)	193	(68)	0	(0)	285	(1.8)
	C	78	(25)	13	(4)	4	(1)	212	(69)	0	(0)	307	(1.9)
	D	147	(22)	73	(11)	49	(7)	385	(59)	2	(0)	656	(4.0)
	E1	136	(15)	10	(1)	50	(6)	696	(78)	0	(0)	892	(5.5)
	E2	441	(66)	6	(1)	37	(6)	186	(28)	0	(0)	670	(4.1)
	F	428	(37)	99	(9)	26	(2)	603	(52)	0	(0)	1,156	(7.1)
	G	0	(0)	3	(9)	1	(3)	28	(88)	0	(0)	32	(0.2)
	H	105	(27)	18	(5)	63	(16)	206	(53)	0	(0)	392	(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)	87	(9)	87	(9)	448	(49)	2	(0)	919	(5.6)
	L	43	(13)	5	(2)	39	(12)	232	(73)	0	(0)	319	(2.0)
	M	88	(24)	48	(13)	14	(4)	210	(58)	0	(0)	360	(2.2)
	N	102	(34)	23	(8)	8	(3)	167	(56)	0	(0)	300	(1.8)
	O	377	(62)	5	(1)	99	(16)	129	(21)	0	(0)	610	(3.7)
	P	449	(40)	11	(1)	42	(4)	610	(55)	0	(0)	1,112	(6.8)
	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	(4.2)
	S	50	(26)	10	(5)	4	(2)	132	(67)	0	(0)	196	(1.2)
	T	132	(28)	29	(6)	22	(5)	292	(61)	0	(0)	475	(2.9)
	U	16	(5)	8	(3)	12	(4)	265	(88)	0	(0)	301	(1.8)
	V	334	(30)	53	(5)	97	(9)	618	(56)	0	(0)	1,102	(6.8)
	W	255	(35)	21	(3)	11	(2)	430	(59)	14	(2)	731	(4.5)
	X	201	(26)	14	(2)	57	(7)	487	(64)	2	(0)	761	(4.7)
	Y	177	(39)	39	(9)	7	(2)	230	(51)	0	(0)	453	(2.8)
	Z	42	(11)	28	(7)	37	(9)	286	(73)	0	(0)	393	(2.4)
	ZA	443	(48)	88	(10)	20	(2)	373	(40)	0	(0)	924	(5.7)
	ZB	64	(25)	25	(10)	13	(5)	155	(60)	0	(0)	257	(1.6)
2008 Total		5,414	(33.2)	890	(5.5)	974	(6.0)	8,986	(55.2)	20	(0.1)	16,284	
2009	A	174	(33)	41	(8)	19	(4)	293	(56)	0	(0)	527	(3.1)
	B	125	(27)	30	(7)	40	(9)	261	(57)	0	(0)	456	(2.7)
	C	80	(23)	13	(4)	7	(2)	243	(71)	0	(0)	343	(2.0)
	D	181	(26)	81	(11)	36	(5)	409	(58)	0	(0)	707	(4.1)
	E1	152	(16)	8	(1)	69	(7)	725	(76)	0	(0)	954	(5.6)
	E2	464	(70)	1	(0)	28	(4)	173	(26)	0	(0)	666	(3.9)
	F	408	(35)	91	(8)	11	(1)	641	(56)	0	(0)	1,151	(6.7)
	G	0	(0)	3	(9)	0	(0)	29	(91)	0	(0)	32	(0.2)
	H	153	(27)	21	(4)	71	(12)	327	(57)	0	(0)	572	(3.3)
	I	377	(47)	43	(5)	65	(8)	317	(40)	0	(0)	802	(4.7)
	J	31	(26)	21	(18)	5	(4)	60	(51)	0	(0)	117	(0.7)
	K	311	(35)	96	(11)	95	(11)	394	(44)	0	(0)	896	(5.2)
	L	37	(12)	9	(3)	37	(12)	222	(73)	0	(0)	305	(1.8)
	M	59	(17)	35	(10)	13	(4)	236	(69)	0	(0)	343	(2.0)
	N	136	(39)	36	(10)	7	(2)	166	(48)	0	(0)	345	(2.0)
	O	451	(65)	3	(0)	135	(19)	104	(15)	0	(0)	693	(4.1)
	P	446	(40)	16	(1)	44	(4)	597	(54)	0	(0)	1,103	(6.4)
	Q	67	(15)	33	(7)	9	(2)	335	(75)	0	(0)	444	(2.6)
	R	267	(36)	20	(3)	72	(10)	381	(51)	0	(0)	740	(4.3)
	S	33	(19)	13	(8)	15	(9)	110	(64)	0	(0)	171	(1.0)
	T	145	(29)	36	(7)	11	(2)	302	(61)	0	(0)	494	(2.9)
	U	20	(6)	16	(5)	6	(2)	293	(87)	0	(0)	335	(2.0)
	V	477	(36)	85	(6)	49	(4)	703	(54)	0	(0)	1,314	(7.7)
	W	234	(38)	18	(3)	13	(2)	358	(57)	0	(0)	623	(3.6)
	X	213	(27)	20	(3)	87	(11)	465	(59)	0	(0)	785	(4.6)
	Y	188	(47)	29	(7)	14	(3)	170	(42)	0	(0)	401	(2.3)
	Z	55	(14)	42	(11)	41	(10)	239	(61)	18	(5)	395	(2.3)
	ZA	464	(50)	59	(6)	15	(2)	381	(41)	1	(0)	920	(5.4)
	ZB	116	(24)	22	(5)	9	(2)	310	(65)	20	(4)	477	(2.8)
2009 Total		5,864	(34.3)	941	(5.5)	1,023	(6.0)	9,244	(54.0)	39	(0.2)	17,111	
Grand Total		16,469	(33.6)	2,587	(5.3)	3,050	(6.2)	26,801	(54.7)	96	(0.2)	49,003	

Table 14 Admissions by source of admission (admission type 'unplanned - other') by NHS trust, 2007 - 2009

Admission year	NHS Trust	Admission Source: Same hospital n	%	Other hospital n	%	Clinic n	%	Home n	%	Unknown n	%	Total n	%
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)**
	E1	155	(26)	435	(73)	0	(0)	2	(0)	0	(0)	**592**	**(6.9)**
	E2	88	(40)	118	(54)	0	(0)	14	(6)	0	(0)	**220**	**(2.6)**
	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	81	(53)	71	(47)	0	(0)	0	(0)	0	(0)	**152**	**(1.8)**
	I	201	(51)	197	(49)	0	(0)	0	(0)	0	(0)	**398**	**(4.6)**
	J	66	(100)	0	(0)	0	(0)	0	(0)	0	(0)	**66**	**(0.8)**
	K	189	(47)	212	(53)	0	(0)	0	(0)	0	(0)	**401**	**(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**	**(4.2)**
	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	388	(59)	275	(41)	0	(0)	0	(0)	0	(0)	**663**	**(7.7)**
	W	155	(40)	235	(60)	1	(0)	0	(0)	0	(0)	**391**	**(4.6)**
	X	189	(41)	272	(59)	0	(0)	0	(0)	1	(0)	**462**	**(5.4)**
	Y	92	(42)	129	(58)	0	(0)	0	(0)	0	(0)	**221**	**(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**	**(44.9)**	**4,677**	**(54.6)**	**2**	**(0.0)**	**41**	**(0.5)**	**1**	**(0.0)**	**8,571**	
2008	**A**	133	(49)	139	(51)	0	(0)	2	(1)	0	(0)	**274**	**(3.0)**
	B	184	(95)	7	(4)	0	(0)	2	(1)	0	(0)	**193**	**(2.1)**
	C	82	(39)	130	(61)	0	(0)	0	(0)	0	(0)	**212**	**(2.4)**
	D	122	(32)	263	(68)	0	(0)	0	(0)	0	(0)	**385**	**(4.3)**
	E1	132	(19)	563	(81)	0	(0)	1	(0)	0	(0)	**696**	**(7.7)**
	E2	57	(31)	119	(64)	0	(0)	10	(5)	0	(0)	**186**	**(2.1)**
	F	137	(23)	466	(77)	0	(0)	0	(0)	0	(0)	**603**	**(6.7)**
	G	23	(82)	1	(4)	0	(0)	4	(14)	0	(0)	**28**	**(0.3)**
	H	83	(40)	121	(59)	1	(0)	1	(0)	0	(0)	**206**	**(2.3)**
	I	172	(46)	198	(54)	0	(0)	0	(0)	0	(0)	**370**	**(4.1)**
	J	69	(99)	1	(1)	0	(0)	0	(0)	0	(0)	**70**	**(0.8)**
	K	199	(44)	248	(55)	0	(0)	1	(0)	0	(0)	**448**	**(5.0)**
	L	80	(34)	143	(62)	0	(0)	9	(4)	0	(0)	**232**	**(2.6)**
	M	129	(61)	80	(38)	0	(0)	0	(0)	1	(0)	**210**	**(2.3)**
	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**	**(1.4)**
	P	294	(48)	316	(52)	0	(0)	0	(0)	0	(0)	**610**	**(6.8)**
	Q	209	(57)	155	(42)	0	(0)	2	(1)	0	(0)	**366**	**(4.1)**
	R	122	(37)	210	(63)	0	(0)	1	(0)	0	(0)	**333**	**(3.7)**
	S	92	(70)	34	(26)	0	(0)	6	(5)	0	(0)	**132**	**(1.5)**
	T	123	(42)	164	(56)	0	(0)	5	(2)	0	(0)	**292**	**(3.2)**
	U	54	(20)	211	(80)	0	(0)	0	(0)	0	(0)	**265**	**(2.9)**
	V	364	(59)	251	(41)	0	(0)	2	(0)	1	(0)	**618**	**(6.9)**
	W	211	(49)	218	(51)	0	(0)	1	(0)	0	(0)	**430**	**(4.8)**
	X	191	(39)	295	(61)	1	(0)	0	(0)	0	(0)	**487**	**(5.4)**
	Y	84	(37)	146	(63)	0	(0)	0	(0)	0	(0)	**230**	**(2.6)**
	Z	224	(78)	59	(21)	0	(0)	3	(1)	0	(0)	**286**	**(3.2)**
	ZA	253	(68)	119	(32)	0	(0)	1	(0)	0	(0)	**373**	**(4.2)**
	ZB	73	(47)	81	(52)	0	(0)	1	(1)	0	(0)	**155**	**(1.7)**
2008 Total		**4,056**	**(45.1)**	**4,874**	**(54.2)**	**2**	**(0.0)**	**52**	**(0.6)**	**2**	**(0.0)**	**8,986**	
2009	**A**	145	(49)	144	(49)	0	(0)	4	(1)	0	(0)	**293**	**(3.2)**
	B	242	(93)	9	(3)	0	(0)	10	(4)	0	(0)	**261**	**(2.8)**
	C	99	(41)	144	(59)	0	(0)	0	(0)	0	(0)	**243**	**(2.6)**
	D	155	(38)	254	(62)	0	(0)	0	(0)	0	(0)	**409**	**(4.4)**
	E1	164	(23)	561	(77)	0	(0)	0	(0)	0	(0)	**725**	**(7.8)**
	E2	64	(37)	104	(60)	0	(0)	5	(3)	0	(0)	**173**	**(1.9)**
	F	157	(24)	484	(76)	0	(0)	0	(0)	0	(0)	**641**	**(6.9)**
	G	21	(72)	0	(0)	0	(0)	8	(28)	0	(0)	**29**	**(0.3)**
	H	119	(36)	206	(63)	0	(0)	1	(0)	1	(0)	**327**	**(3.5)**
	I	134	(42)	183	(58)	0	(0)	0	(0)	0	(0)	**317**	**(3.4)**
	J	56	(93)	3	(5)	0	(0)	0	(0)	1	(2)	**60**	**(0.6)**
	K	188	(48)	203	(52)	0	(0)	3	(1)	0	(0)	**394**	**(4.3)**
	L	72	(32)	142	(64)	1	(0)	7	(3)	0	(0)	**222**	**(2.4)**
	M	151	(64)	85	(36)	0	(0)	0	(0)	0	(0)	**236**	**(2.6)**
	N	81	(49)	85	(51)	0	(0)	0	(0)	0	(0)	**166**	**(1.8)**
	O	40	(38)	61	(59)	2	(2)	1	(1)	0	(0)	**104**	**(1.1)**
	P	268	(45)	329	(55)	0	(0)	0	(0)	0	(0)	**597**	**(6.5)**
	Q	163	(49)	169	(50)	0	(0)	3	(1)	0	(0)	**335**	**(3.6)**
	R	131	(34)	250	(66)	0	(0)	0	(0)	0	(0)	**381**	**(4.1)**
	S	76	(69)	31	(28)	0	(0)	3	(3)	0	(0)	**110**	**(1.2)**
	T	133	(44)	166	(55)	0	(0)	3	(1)	0	(0)	**302**	**(3.3)**
	U	66	(23)	227	(77)	0	(0)	0	(0)	0	(0)	**293**	**(3.2)**
	V	389	(55)	313	(45)	0	(0)	1	(0)	0	(0)	**703**	**(7.6)**
	W	183	(51)	174	(49)	0	(0)	1	(0)	0	(0)	**358**	**(3.9)**
	X	222	(48)	240	(52)	1	(0)	2	(0)	0	(0)	**465**	**(5.0)**
	Y	68	(40)	102	(60)	0	(0)	0	(0)	0	(0)	**170**	**(1.8)**
	Z	174	(73)	56	(23)	0	(0)	9	(4)	0	(0)	**239**	**(2.6)**
	ZA	270	(71)	111	(29)	0	(0)	0	(0)	0	(0)	**381**	**(4.1)**
	ZB	162	(52)	147	(47)	0	(0)	0	(0)	1	(0)	**310**	**(3.4)**
2009 Total		**4,193**	**(45.4)**	**4,983**	**(53.9)**	**4**	**(0.0)**	**61**	**(0.7)**	**3**	**(0.0)**	**9,244**	
Grand Total		**12,099**	**(45.1)**	**14,534**	**(54.2)**	**8**	**(0.0)**	**154**	**(0.6)**	**6**	**(0.0)**	**26,801**	

Table 15 Admissions by care area admitted from (admission type 'unplanned - other'; admitted from hospital) by NHS trust, 2007 - 2009

Admission year	NHS Trust	Care Area: Accident & emergency n	%	HDU (step-up/step-down unit) n	%	ICU / PICU / NICU n	%	Other intermediate care area (not ICU / PICU / NICU) n	%	Recovery only n	%	Theatre and recovery n	%	Ward n	%	X-ray, endoscopy, CT scanner or similar n	%	Unknown n	%	Total n	%
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)
	E1	135	(23)	15	(3)	220	(37)	29	(5)	5	(1)	2	(0)	179	(30)	5	(1)	0	(0)	590	(6.9)
	E2	16	(8)	18	(9)	85	(41)	9	(4)	0	(0)	0	(0)	70	(34)	8	(4)	0	(0)	206	(2.4)
	F	26	(4)	23	(3)	73	(11)	0	(0)	0	(0)	18	(3)	311	(45)	7	(1)	232	(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	57	(38)	3	(2)	7	(5)	6	(4)	0	(0)	5	(3)	72	(47)	2	(1)	0	(0)	152	(1.8)
	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)	178	(44)	4	(1)	0	(0)	401	(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	78	(36)	2	(1)	4	(2)	1	(0)	2	(1)	8	(4)	88	(40)	0	(0)	35	(16)	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	(27)	64	(10)	115	(17)	0	(0)	0	(0)	80	(12)	220	(33)	0	(0)	8	(1)	663	(7.8)
	W	93	(24)	32	(8)	135	(35)	1	(0)	0	(0)	7	(2)	92	(24)	2	(1)	28	(7)	390	(4.6)
	X	78	(17)	15	(3)	151	(33)	31	(7)	2	(0)	18	(4)	135	(29)	3	(1)	28	(6)	461	(5.4)
	Y	51	(23)	37	(17)	37	(17)	4	(2)	1	(0)	11	(5)	77	(35)	3	(1)	0	(0)	221	(2.6)
	Z	131	(52)	1	(0)	5	(2)	3	(1)	0	(0)	8	(3)	101	(40)	1	(0)	1	(0)	251	(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		**2,256**	**(26.5)**	**618**	**(7.2)**	**1,358**	**(15.9)**	**289**	**(3.4)**	**30**	**(0.4)**	**405**	**(4.7)**	**3,168**	**(37.2)**	**70**	**(0.8)**	**333**	**(3.9)**	**8,527**	
2008	A	65	(24)	0	(0)	9	(3)	3	(1)	0	(0)	1	(0)	194	(71)	0	(0)	0	(0)	272	(3.0)
	B	133	(70)	3	(2)	1	(1)	3	(2)	0	(0)	6	(3)	43	(23)	2	(1)	0	(0)	191	(2.1)
	C	74	(35)	58	(27)	30	(14)	4	(2)	4	(2)	17	(8)	23	(11)	1	(0)	1	(0)	212	(2.4)
	D	127	(33)	86	(22)	20	(5)	11	(3)	0	(0)	19	(5)	110	(29)	0	(0)	12	(3)	385	(4.3)
	E1	204	(29)	13	(2)	241	(35)	52	(7)	6	(1)	5	(1)	173	(25)	1	(0)	0	(0)	695	(7.8)
	E2	9	(5)	29	(16)	89	(51)	18	(10)	0	(0)	2	(1)	24	(14)	5	(3)	0	(0)	176	(2.0)
	F	32	(5)	14	(2)	71	(12)	0	(0)	0	(0)	10	(2)	281	(47)	4	(1)	191	(32)	603	(6.8)
	G	16	(67)	6	(25)	0	(0)	0	(0)	0	(0)	0	(0)	2	(8)	0	(0)	0	(0)	24	(0.3)
	H	99	(49)	1	(0)	11	(5)	0	(0)	0	(0)	4	(2)	89	(44)	0	(0)	0	(0)	204	(2.3)
	I	114	(31)	3	(1)	43	(12)	1	(0)	1	(0)	6	(2)	200	(54)	2	(1)	0	(0)	370	(4.1)
	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)	176	(39)	10	(2)	0	(0)	447	(5.0)
	L	62	(28)	16	(7)	14	(6)	0	(0)	0	(0)	5	(2)	126	(57)	0	(0)	0	(0)	223	(2.5)
	M	78	(37)	32	(15)	12	(6)	1	(0)	6	(3)	8	(4)	63	(30)	8	(4)	1	(0)	209	(2.3)
	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	(1.4)
	P	179	(29)	93	(15)	83	(14)	3	(0)	0	(0)	32	(5)	209	(34)	11	(2)	0	(0)	610	(6.8)
	Q	122	(34)	27	(7)	74	(20)	12	(3)	1	(0)	18	(5)	106	(29)	2	(1)	2	(1)	364	(4.1)
	R	94	(28)	51	(15)	58	(17)	7	(2)	0	(0)	14	(4)	108	(33)	0	(0)	0	(0)	332	(3.7)
	S	53	(42)	3	(2)	2	(2)	10	(8)	1	(1)	5	(4)	52	(41)	0	(0)	0	(0)	126	(1.4)
	T	134	(47)	5	(2)	7	(2)	11	(4)	1	(0)	6	(2)	115	(40)	1	(0)	7	(2)	287	(3.2)
	U	132	(50)	5	(2)	30	(11)	0	(0)	0	(0)	14	(5)	82	(31)	1	(0)	1	(0)	265	(3.0)
	V	161	(26)	63	(10)	116	(19)	0	(0)	0	(0)	55	(9)	209	(34)	0	(0)	11	(2)	615	(6.9)
	W	116	(27)	36	(8)	117	(27)	2	(0)	2	(0)	11	(3)	128	(30)	0	(0)	17	(4)	429	(4.8)
	X	89	(18)	43	(9)	161	(33)	36	(7)	0	(0)	21	(4)	120	(25)	3	(1)	13	(3)	486	(5.4)
	Y	56	(24)	44	(19)	27	(12)	2	(1)	3	(1)	12	(5)	83	(36)	3	(1)	0	(0)	230	(2.6)
	Z	147	(52)	0	(0)	6	(2)	3	(1)	1	(0)	9	(3)	111	(39)	0	(0)	6	(2)	283	(3.2)
	ZA	155	(42)	1	(0)	21	(6)	57	(15)	2	(1)	9	(2)	122	(33)	4	(1)	1	(0)	372	(4.2)
	ZB	45	(29)	0	(0)	10	(6)	2	(1)	1	(1)	9	(6)	85	(55)	2	(1)	0	(0)	154	(1.7)
2008 Total		**2,702**	**(30.3)**	**683**	**(7.6)**	**1,385**	**(15.5)**	**299**	**(3.3)**	**45**	**(0.5)**	**360**	**(4.0)**	**3,122**	**(35.0)**	**71**	**(0.8)**	**263**	**(2.9)**	**8,930**	
2009	A	64	(22)	0	(0)	4	(1)	1	(0)	0	(0)	1	(0)	217	(75)	1	(0)	1	(0)	289	(3.1)
	B	162	(65)	1	(0)	2	(1)	3	(1)	0	(0)	9	(4)	71	(28)	3	(1)	0	(0)	251	(2.7)
	C	78	(32)	62	(26)	46	(19)	3	(1)	5	(2)	28	(12)	16	(7)	5	(2)	0	(0)	243	(2.6)
	D	166	(41)	58	(14)	25	(6)	6	(1)	0	(0)	28	(7)	125	(31)	0	(0)	1	(0)	409	(4.5)
	E1	207	(29)	16	(2)	246	(34)	31	(4)	9	(1)	5	(1)	205	(28)	6	(1)	0	(0)	725	(7.9)
	E2	7	(4)	24	(14)	86	(51)	11	(7)	0	(0)	0	(0)	33	(20)	7	(4)	0	(0)	168	(1.8)
	F	32	(5)	33	(5)	65	(10)	0	(0)	0	(0)	8	(1)	308	(48)	12	(2)	183	(29)	641	(7.0)
	G	9	(43)	8	(38)	0	(0)	0	(0)	0	(0)	1	(5)	3	(14)	0	(0)	0	(0)	21	(0.2)
	H	204	(63)	9	(3)	13	(4)	4	(1)	0	(0)	7	(2)	87	(27)	1	(0)	0	(0)	325	(3.5)
	I	105	(33)	0	(0)	33	(10)	0	(0)	0	(0)	15	(5)	163	(51)	1	(0)	0	(0)	317	(3.5)
	J	34	(58)	0	(0)	0	(0)	1	(2)	0	(0)	2	(3)	22	(37)	0	(0)	0	(0)	59	(0.6)
	K	82	(21)	3	(1)	85	(22)	8	(2)	3	(1)	26	(7)	179	(46)	5	(1)	0	(0)	391	(4.3)
	L	66	(31)	9	(4)	20	(9)	0	(0)	0	(0)	7	(3)	112	(52)	0	(0)	0	(0)	214	(2.3)
	M	81	(34)	28	(12)	15	(6)	1	(0)	2	(1)	18	(8)	87	(37)	4	(2)	0	(0)	236	(2.6)
	N	47	(28)	32	(19)	28	(17)	3	(2)	0	(0)	12	(7)	42	(25)	2	(1)	0	(0)	166	(1.8)
	O	17	(17)	3	(3)	11	(11)	23	(23)	3	(3)	12	(12)	30	(30)	2	(2)	0	(0)	101	(1.1)
	P	170	(28)	82	(14)	104	(17)	3	(1)	0	(0)	36	(6)	198	(33)	4	(1)	0	(0)	597	(6.5)
	Q	102	(31)	38	(11)	69	(21)	6	(2)	5	(2)	18	(5)	93	(28)	1	(0)	0	(0)	332	(3.6)
	R	86	(23)	45	(12)	113	(30)	8	(2)	3	(1)	27	(7)	98	(26)	1	(0)	0	(0)	381	(4.2)
	S	38	(36)	2	(2)	2	(2)	9	(8)	0	(0)	4	(4)	51	(48)	0	(0)	1	(1)	107	(1.2)
	T	140	(47)	4	(1)	8	(3)	5	(2)	2	(1)	10	(3)	130	(43)	0	(0)	0	(0)	299	(3.3)
	U	137	(47)	1	(0)	16	(5)	6	(2)	1	(0)	12	(4)	120	(41)	0	(0)	0	(0)	293	(3.2)
	V	184	(26)	77	(11)	138	(20)	0	(0)	0	(0)	57	(8)	243	(35)	0	(0)	3	(0)	702	(7.7)
	W	90	(25)	19	(5)	121	(34)	1	(0)	3	(1)	11	(3)	96	(27)	1	(0)	15	(4)	357	(3.9)
	X	104	(23)	35	(8)	145	(31)	28	(6)	0	(0)	17	(4)	114	(25)	7	(2)	12	(3)	462	(5.0)
	Y	45	(26)	31	(18)	15	(9)	4	(2)	3	(2)	21	(12)	47	(28)	3	(2)	1	(1)	170	(1.9)
	Z	122	(53)	0	(0)	8	(3)	3	(1)	1	(0)	3	(1)	80	(35)	4	(2)	9	(4)	230	(2.5)
	ZA	154	(40)	1	(0)	27	(7)	48	(13)	0	(0)	7	(2)	140	(37)	3	(1)	1	(0)	381	(4.2)
	ZB	135	(44)	1	(0)	4	(1)	3	(1)	0	(0)	11	(4)	148	(48)	1	(0)	6	(2)	309	(3.4)
2009 Total		**2,868**	**(31.3)**	**622**	**(6.8)**	**1,449**	**(15.8)**	**219**	**(2.4)**	**40**	**(0.4)**	**413**	**(4.5)**	**3,258**	**(35.5)**	**74**	**(0.8)**	**233**	**(2.5)**	**9,176**	
Grand Total		**7,826**	**(29.4)**	**1,923**	**(7.2)**	**4,192**	**(15.7)**	**807**	**(3.0)**	**115**	**(0.4)**	**1,178**	**(4.4)**	**9,548**	**(35.9)**	**215**	**(0.8)**	**829**	**(3.1)**	**26,633**	

Table 16 Admissions by primary diagnostic group and age, 2007 - 2009

Diagnostic Group	Age Group (Years) <1 n	<1 %	1-4 n	1-4 %	5-10 n	5-10 %	11-15 n	11-15 %	Total n	Total %
Blood / lymphatic	120	(22)	164	(30)	150	(28)	104	(19)	**538**	**(1.1)**
Body wall and cavities	923	(87)	85	(8)	32	(3)	20	(2)	**1,060**	**(2.2)**
Cardiovascular	8,641	(62)	3,068	(22)	1,325	(9)	941	(7)	**13,975**	**(28.5)**
Endocrine / metabolic	459	(38)	273	(22)	223	(18)	262	(22)	**1,217**	**(2.5)**
Gastrointestinal	2,024	(62)	576	(18)	360	(11)	308	(9)	**3,268**	**(6.7)**
Infection	1,281	(46)	882	(31)	368	(13)	276	(10)	**2,807**	**(5.7)**
Multisystem	58	(46)	44	(35)	18	(14)	6	(5)	**126**	**(0.3)**
Musculoskeletal	142	(8)	222	(12)	296	(16)	1,148	(63)	**1,808**	**(3.7)**
Neurological	1,435	(26)	1,902	(35)	1,113	(20)	996	(18)	**5,446**	**(11.1)**
Oncology	267	(16)	558	(33)	425	(25)	439	(26)	**1,689**	**(3.4)**
Respiratory	6,485	(51)	3,747	(29)	1,501	(12)	1,078	(8)	**12,811**	**(26.1)**
Trauma	129	(8)	444	(29)	400	(26)	579	(37)	**1,552**	**(3.2)**
Other	913	(38)	674	(28)	347	(15)	448	(19)	**2,382**	**(4.9)**
Unknown	163	(50)	91	(28)	46	(14)	24	(7)	**324**	**(0.7)**
Total	**23,040**	**(47.0)**	**12,730**	**(26.0)**	**6,604**	**(13.5)**	**6,629**	**(13.5)**	**49,003**	

Figure 16 Admissions by primary diagnostic group, 2007 - 2009

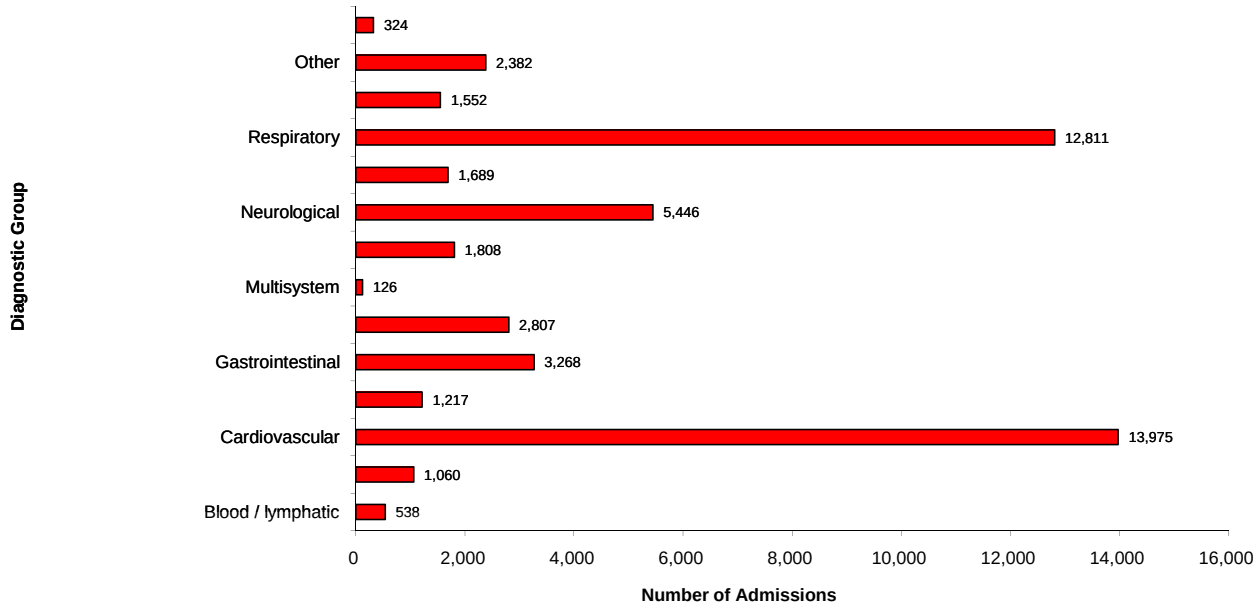


Table 17 Admissions by primary diagnostic group and age (16+), 2007 - 2009

Diagnostic Group	Age Group (Years) 16		17-20		21-25		26+		Total	
	n	%	n	%	n	%	n	%	n	%
Blood / lymphatic	12	(60)	8	(40)	0	(0)	0	(0)	**20**	**(1.6)**
Body wall and cavities	2	(50)	2	(50)	0	(0)	0	(0)	**4**	**(0.3)**
Cardiovascular	95	(51)	82	(44)	4	(2)	5	(3)	**186**	**(15.3)**
Endocrine / metabolic	26	(60)	17	(40)	0	(0)	0	(0)	**43**	**(3.5)**
Gastrointestinal	42	(60)	28	(40)	0	(0)	0	(0)	**70**	**(5.8)**
Infection	22	(67)	9	(27)	2	(6)	0	(0)	**33**	**(2.7)**
Multisystem	2	(50)	2	(50)	0	(0)	0	(0)	**4**	**(0.3)**
Musculoskeletal	188	(53)	165	(46)	4	(1)	1	(0)	**358**	**(29.4)**
Neurological	88	(63)	50	(36)	2	(1)	0	(0)	**140**	**(11.5)**
Oncology	43	(52)	40	(48)	0	(0)	0	(0)	**83**	**(6.8)**
Respiratory	112	(63)	64	(36)	3	(2)	0	(0)	**179**	**(14.7)**
Trauma	24	(89)	3	(11)	0	(0)	0	(0)	**27**	**(2.2)**
Other	35	(61)	22	(39)	0	(0)	0	(0)	**57**	**(4.7)**
Unknown	4	(31)	8	(62)	0	(0)	1	(8)	**13**	**(1.1)**
Total	**695**	**(57.1)**	**500**	**(41.1)**	**15**	**(1.2)**	**7**	**(0.6)**	**1,217**	

Figure 17 Admissions by primary diagnostic group, 2007 - 2009

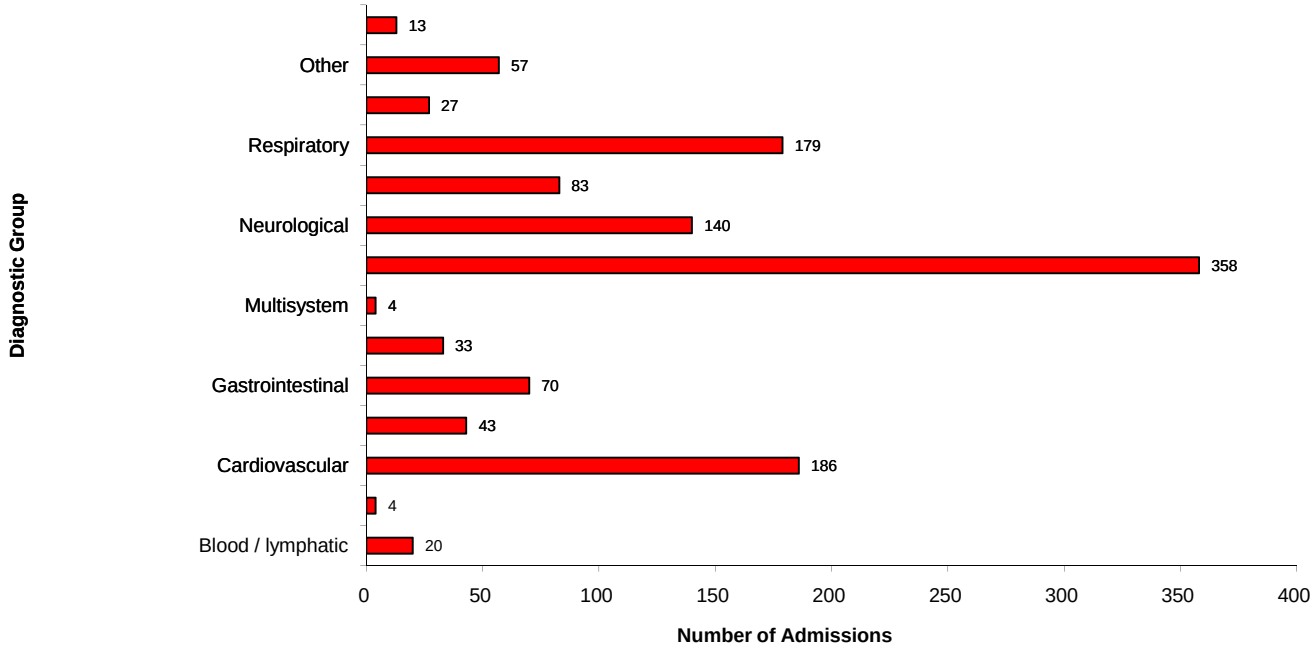


Table 18 Admissions by primary diagnostic group by NHS trust, 2007 - 2009

Admission year	NHS Trust	Diagnostic Group: Blood / lymphatic		Body wall and cavities		Cardiovascular		Endocrine / metabolic		Gastrointestinal		Infection		Multisystem		Musculoskeletal		Neurological		Oncology		Respiratory		Trauma		Other		Unknown		Total	
		n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
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)
	E1	6	(1)	42	(5)	64	(8)	43	(5)	93	(12)	39	(5)	6	(1)	32	(4)	86	(11)	35	(4)	262	(33)	48	(6)	35	(4)	1	(0)	792	(5.1)
	E2	0	(0)	4	(1)	581	(84)	2	(0)	0	(0)	3	(0)	0	(0)	2	(0)	2	(0)	7	(1)	90	(13)	0	(0)	4	(1)	0	(0)	695	(4.5)
	F	5	(0)	5	(0)	506	(42)	26	(2)	18	(2)	57	(5)	1	(0)	40	(3)	101	(8)	3	(0)	368	(31)	15	(1)	48	(4)	4	(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	4	(1)	3	(1)	10	(3)	7	(2)	48	(16)	9	(3)	0	(0)	3	(1)	47	(16)	13	(4)	53	(18)	15	(5)	83	(28)	6	(2)	301	(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)	25	(3)	98	(10)	59	(6)	148	(16)	23	(2)	41	(4)	0	(0)	935	(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)	504	(79)	3	(0)	5	(1)	2	(0)	0	(0)	6	(1)	1	(0)	5	(1)	86	(13)	0	(0)	2	(0)	24	(4)	639	(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)	58	(10)	39	(6)	2	(0)	50	(8)	83	(14)	36	(6)	224	(37)	18	(3)	33	(5)	0	(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	(4.6)
	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)	507	(44)	25	(2)	95	(8)	34	(3)	2	(0)	16	(1)	79	(7)	20	(2)	244	(21)	68	(6)	34	(3)	0	(0)	1,151	(7.4)
	W	7	(1)	9	(1)	330	(48)	16	(2)	27	(4)	36	(5)	0	(0)	6	(1)	80	(12)	11	(2)	144	(21)	9	(1)	14	(2)	0	(0)	689	(4.4)
	X	2	(0)	26	(4)	264	(36)	8	(1)	54	(7)	63	(9)	3	(0)	4	(1)	53	(7)	11	(2)	183	(25)	23	(3)	26	(4)	8	(1)	728	(4.7)
	Y	3	(1)	12	(3)	12	(3)	8	(2)	28	(7)	36	(8)	2	(0)	90	(21)	42	(10)	11	(3)	142	(33)	24	(6)	14	(3)	0	(0)	424	(2.7)
	Z	22	(6)	3	(1)	11	(3)	16	(4)	12	(3)	27	(8)	0	(0)	1	(0)	27	(8)	1	(0)	192	(53)	31	(9)	16	(4)	0	(0)	359	(2.3)
	ZA	6	(1)	6	(1)	199	(31)	16	(3)	50	(8)	39	(6)	7	(1)	17	(3)	58	(9)	21	(3)	128	(20)	13	(2)	76	(12)	0	(0)	636	(4.1)
2007 Total		162	(1.0)	353	(2.3)	4,566	(29.3)	387	(2.5)	976	(6.3)	801	(5.1)	45	(0.3)	597	(3.8)	1,673	(10.7)	538	(3.4)	4,151	(26.6)	543	(3.5)	748	(4.8)	68	(0.4)	15,608	
2008	A	7	(1)	4	(1)	13	(3)	16	(3)	35	(7)	20	(4)	5	(1)	31	(7)	110	(23)	83	(18)	98	(21)	28	(6)	20	(4)	0	(0)	470	(2.9)
	B	4	(1)	9	(3)	9	(3)	25	(9)	39	(14)	19	(7)	0	(0)	4	(1)	33	(12)	2	(1)	114	(40)	13	(5)	14	(5)	0	(0)	285	(1.8)
	C	3	(1)	2	(1)	11	(4)	11	(4)	5	(2)	41	(13)	1	(0)	45	(15)	55	(18)	10	(3)	95	(31)	13	(4)	15	(5)	0	(0)	307	(1.9)
	D	2	(0)	9	(1)	40	(6)	23	(4)	48	(7)	56	(9)	2	(0)	25	(4)	122	(19)	30	(5)	241	(37)	25	(4)	32	(5)	1	(0)	656	(4.0)
	E1	17	(2)	35	(4)	87	(10)	48	(5)	112	(13)	51	(6)	3	(0)	29	(3)	105	(12)	30	(3)	271	(30)	41	(5)	63	(7)	0	(0)	892	(5.5)
	E2	0	(0)	5	(1)	559	(83)	1	(0)	2	(0)	8	(1)	1	(0)	1	(0)	1	(0)	3	(0)	83	(12)	1	(0)	5	(1)	0	(0)	670	(4.1)
	F	7	(1)	3	(0)	486	(42)	26	(2)	16	(1)	62	(5)	0	(0)	75	(6)	62	(5)	1	(0)	341	(29)	15	(1)	51	(4)	11	(1)	1,156	(7.1)
	G	0	(0)	0	(0)	2	(6)	0	(0)	0	(0)	5	(16)	0	(0)	0	(0)	11	(34)	1	(3)	7	(22)	2	(6)	4	(13)	0	(0)	32	(0.2)
	H	6	(2)	1	(0)	8	(2)	8	(2)	81	(21)	20	(5)	0	(0)	0	(0)	87	(22)	32	(8)	71	(18)	25	(6)	32	(8)	21	(5)	392	(2.4)
	I	10	(1)	3	(0)	337	(41)	31	(4)	43	(5)	50	(6)	0	(0)	19	(2)	73	(9)	35	(4)	154	(19)	27	(3)	38	(5)	7	(1)	827	(5.1)
	J	3	(2)	2	(2)	2	(2)	6	(5)	33	(26)	9	(7)	2	(2)	0	(0)	19	(15)	0	(0)	41	(32)	1	(1)	11	(9)	0	(0)	129	(0.8)
	K	34	(4)	48	(5)	287	(31)	5	(1)	113	(12)	47	(5)	5	(1)	17	(2)	75	(8)	44	(5)	156	(17)	32	(3)	56	(6)	0	(0)	919	(5.6)
	L	0	(0)	0	(0)	18	(6)	4	(1)	7	(2)	21	(7)	0	(0)	36	(11)	44	(14)	2	(1)	166	(52)	10	(3)	11	(3)	0	(0)	319	(2.0)
	M	5	(1)	4	(1)	22	(6)	10	(3)	17	(5)	23	(6)	0	(0)	31	(9)	53	(15)	29	(8)	99	(28)	21	(6)	46	(13)	0	(0)	360	(2.2)
	N	4	(1)	8	(3)	100	(33)	8	(3)	10	(3)	13	(4)	2	(1)	3	(1)	49	(16)	8	(3)	74	(25)	5	(2)	16	(5)	0	(0)	300	(1.8)
	O	0	(0)	4	(1)	511	(84)	0	(0)	7	(1)	7	(1)	0	(0)	5	(1)	2	(0)	3	(0)	47	(8)	0	(0)	7	(1)	17	(3)	610	(3.7)
	P	7	(1)	37	(3)	436	(39)	20	(2)	57	(5)	46	(4)	4	(0)	19	(2)	112	(10)	33	(3)	265	(24)	50	(4)	26	(2)	0	(0)	1,112	(6.8)
	Q	6	(1)	30	(5)	10	(2)	14	(2)	57	(10)	28	(5)	0	(0)	20	(4)	107	(19)	22	(4)	224	(39)	23	(4)	30	(5)	0	(0)	571	(3.5)
	R	3	(0)	16	(2)	221	(32)	12	(2)	61	(9)	28	(4)	0	(0)	44	(6)	105	(15)	10	(1)	152	(22)	16	(2)	16	(2)	0	(0)	684	(4.2)
	S	0	(0)	0	(0)	5	(3)	3	(2)	4	(2)	12	(6)	0	(0)	37	(19)	27	(14)	0	(0)	84	(43)	13	(7)	11	(6)	0	(0)	196	(1.2)
	T	8	(2)	4	(1)	7	(1)	9	(2)	49	(10)	42	(9)	0	(0)	8	(2)	83	(17)	59	(12)	154	(32)	21	(4)	29	(6)	2	(0)	475	(2.9)
	U	13	(4)	0	(0)	21	(7)	17	(6)	12	(4)	33	(11)	0	(0)	0	(0)	60	(20)	1	(0)	124	(41)	3	(1)	14	(5)	3	(1)	301	(1.8)
	V	12	(1)	30	(3)	491	(45)	27	(2)	98	(9)	40	(4)	2	(0)	15	(1)	98	(9)	31	(3)	170	(15)	38	(3)	50	(5)	0	(0)	1,102	(6.8)
	W	11	(2)	2	(0)	319	(44)	12	(2)	38	(5)	35	(5)	0	(0)	3	(0)	93	(13)	21	(3)	168	(23)	11	(2)	18	(2)	0	(0)	731	(4.5)
	X	5	(1)	23	(3)	268	(35)	17	(2)	42	(6)	67	(9)	1	(0)	8	(1)	73	(10)	11	(1)	176	(23)	16	(2)	22	(3)	32	(4)	761	(4.7)
	Y	4	(1)	11	(2)	13	(3)	6	(1)	22	(5)	50	(11)	4	(1)	85	(19)	58	(13)	21	(5)	144	(32)	12	(3)	22	(5)	1	(0)	453	(2.8)
	Z	27	(7)	7	(2)	6	(2)	12	(3)	28	(7)	25	(6)	0	(0)	0	(0)	55	(14)	5	(1)	179	(46)	30	(8)	19	(5)	0	(0)	393	(2.4)
	ZA	7	(1)	6	(1)	276	(30)	23	(2)	46	(5)	98	(11)	9	(1)	15	(2)	117	(13)	36	(4)	148	(16)	13	(1)	130	(14)	0	(0)	924	(5.7)
	ZB	1	(0)	16	(6)	42	(16)	10	(4)	18	(7)	15	(6)	0	(0)	13	(5)	43	(17)	10	(4)	63	(25)	6	(2)	20	(8)	0	(0)	257	(1.6)
2008 Total		206	(1.3)	319	(2.0)	4,607	(28.3)	404	(2.5)	1,100	(6.8)	971	(6.0)	41	(0.3)	588	(3.6)	1,932	(11.9)	573	(3.5)	4,109	(25.2)	511	(3.1)	828	(5.1)	95	(0.6)	16,284	
2009	A	7	(1)	16	(3)	17	(3)	15	(3)	55	(10)	31	(6)	0	(0)	42	(8)	96	(18)	71	(13)	115	(22)	30	(6)	32	(6)	0	(0)	527	(3.1)
	B	8	(2)	7	(2)	10	(2)	30	(7)	79	(17)	31	(7)	1	(0)	2	(0)	42	(9)	3	(1)	205	(45)	7	(2)	31	(7)	0	(0)	456	(2.7)
	C	2	(1)	4	(1)	13	(4)	7	(2)	9	(3)	47	(14)	0	(0)	58	(17)	51	(15)	4	(1)	112	(33)	17	(5)	19	(6)	0	(0)	343	(2.0)
	D	3	(0)	6	(1)	33	(5)	36	(5)	45	(6)	57	(8)	3	(0)	38	(5)	110	(16)	24	(3)	282	(40)	29	(4)	40	(6)	1	(0)	707	(4.1)
	E1	15	(2)	49	(5)	91	(10)	40	(4)	104	(11)	46	(5)	1	(0)	31	(3)	137	(14)	34	(4)	298	(31)	48	(5)	60	(6)	0	(0)	954	(5.6)
	E2	1	(0)	6	(1)	562	(84)	4	(1)	0	(0)	6	(1)	0	(0)	3	(0)	2	(0)	7	(1)	72	(11)	0	(0)	3	(0)	0	(0)	666	(3.9)
	F	5	(0)	6	(1)	498	(43)	28	(2)	17	(1)	81	(7)	1	(0)	67	(6)	69	(6)	1	(0)	330	(29)	9	(1)	35	(3)	4	(0)	1,151	(6.7)
	G	0	(0)	0	(0)	2	(6)	1	(3)	0	(0)	2	(6)	0	(0)	0	(0)	15	(47)	0	(0)	9	(28)	1	(3)	2	(6)	0	(0)	32	(0.2)
	H	11	(2)	5	(1)	18	(3)	21	(4)	82	(14)	30	(5)	0	(0)	8	(1)	104	(18)	47	(8)	138	(24)	24	(4)	75	(13)	9	(2)	572	(3.3)
	I	6	(1)	8	(1)	311	(39)	9	(1)	39	(5)	42	(5)	1	(0)	27	(3)	71	(9)	49	(6)	176	(22)	29	(4)	26	(3)	8	(1)	802	(4.7)
	J	1	(1)	10	(9)	3	(3)	9	(8)	27	(23)	4	(3)	0	(0)	0	(0)	8	(7)	0	(0)	37	(32)	3	(3)	8	(7)	7	(6)	117	(0.7)
	K	20	(2)	47	(5)	267	(30)	19	(2)	90	(10)	51	(6)	3	(0)	24	(3)	70	(8)	57	(6)	174	(19)	24	(3)	47	(5)	3	(0)	896	(5.2)
	L	2	(1)	0	(0)	12	(4)	10	(3)	11	(4)	13	(4)	0	(0)	25	(8)	54	(18)	0	(0)	155	(51)	13	(4)	10	(3)	0	(0)	305	(1.8)
	M	1	(0)	6	(2)	24	(7)	11	(3)	16	(5)	33	(10)	0	(0)	24	(7)	42	(12)	13	(4)	128	(37)	22	(6)	23	(7)	0	(0)	343	(2.0)
	N	0	(0)	11	(3)	117	(34)	11	(3)	18	(5)	7	(2)	3	(1)	12	(3)	44	(13)	5	(1)	88	(26)	14	(4)	15	(4)	0	(0)	345	(2.0)
	O	0	(0)	2	(0)	579	(84)	0	(0)	14	(2)	10	(1)	0	(0)	2	(0)	5	(1)	6	(1)	64	(9)	0	(0)	5	(1)	6	(1)	693	(4.1)
	P	4	(0)	47	(4)	453	(41)	10	(1)	68	(6)	71	(6)	7	(1)	23	(2)	100	(9)	23	(2)	241	(22)	30	(3)	26	(2)	0	(0)	1,103	(6.4)
	Q	2	(0)	34	(8)	13	(3)	12	(3)	47	(11)	40	(9)	3	(1)	11	(2)	52	(12)	20	(5)	160	(36)	24	(5)	25	(6)	1	(0)	444	(2.6)
	R	4	(1)	32	(4)	214	(29)	10	(1)	77	(10)	40	(5)	0	(0)	45	(6)	89	(12)	9	(1)	186	(25)	15	(2)	19	(3)	0	(0)	740	(4.3)
	S	0	(0)	0	(0)	6	(4)	2	(1)	2	(1)	16	(9)	0	(0)	16	(9)	17	(10)	1	(1)	84	(49)	17	(10)	10	(6)	0	(0)	171	(1.0)
	T	7	(1)	6	(1)	10	(2)	7	(1)	44	(9)	37	(7)	0	(0)	14	(3)	90	(18)	66	(13)	174	(35)	19	(4)	19	(4)	1	(0)	494	(2.9)
	U	16	(5)	4	(1)	12	(4)	19	(6)	18	(5)	38	(11)	0	(0)	0	(0)	64	(19)	0	(0)	127	(38)	1	(0)	18	(5)	18	(5)	335	(2.0)
	V	14	(1)	27	(2)	593	(45)	34	(3)	104	(8)	45	(3)	4	(0)	13	(1)	128	(10)	27	(2)	247	(19)	27	(2)	51	(4)	0	(0)	1,314	(7.7)
	W	8	(1)	2	(0)	293	(47)	12	(2)	26	(4)	27	(4)	2	(0)	2	(0)	78	(13)	12	(2)	147	(24)	5	(1)	9	(1)	0	(0)	623	(3.6)
	X	5	(1)	10	(1)	313	(40)	11	(1)	51	(6)	54	(7)	2	(0)	6	(1)	50	(6)	7	(1)	188	(24)	11	(1)	27	(3)	50	(6)	785	(4.6)
	Y	1	(0)	14	(3)	10	(2)	4	(1)	21	(5)	30	(7)	1	(0)	94	(23)	55	(14)	23	(6)	107	(27)	28	(7)	11	(3)	2	(0)	401	(2.3)
	Z	17	(4)	8	(2)	7	(2)	19	(5)	55	(14)	19	(5)	0	(0)	4	(1)	45	(11)	7	(2)	168	(43)	20	(5)	26	(7)	0	(0)	395	(2.3)
	ZA	6	(1)	12	(1)	281	(31)	19	(2)	51	(6)	100	(11)	4	(0)	10	(1)	88	(10)	38	(4)	190	(21)	11	(1)	110	(12)	0	(0)	920	(5.4)
	ZB	4	(1)	9	(2)	40	(8)	16	(3)	22	(5)	27	(6)	4	(1)	22	(5)	65	(14)	24	(5)	149	(31)	20	(4)	24	(5)	51	(11)	477	(2.8)
2009 Total		170	(1.0)	388	(2.3)	4,802	(28.1)	426	(2.5)	1,192	(7.0)	1,035	(6.0)	40	(0.2)	623	(3.6)	1,841	(10.8)	578	(3.4)	4,551	(26.6)	498	(2.9)	806	(4.7)	161	(0.9)	17,111	
Grand Total		538	(1.1)	1,060	(2.2)	13,975	(28.5)	1,217	(2.5)	3,268	(6.7)	2,807	(5.7)	126	(0.3)	1,808	(3.7)	5,446	(11.1)	1,689	(3.4)	12,811	(26.1)	1,552	(3.2)	2,382	(4.9)	324	(0.7)	49,003	

Table 19 Admissions by primary diagnostic group (planned - following surgery) by NHS trust, 2007 - 2009

Admission year	NHS Trust	Diagnostic Group: Blood / lymphatic		Body wall and cavities		Cardiovascular		Endocrine / metabolic		Gastrointestinal		Infection		Multisystem		Musculoskeletal		Neurological		Oncology		Respiratory		Trauma		Other		Unknown		Total	
		n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
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)
	E1	4	(3)	10	(7)	7	(5)	2	(1)	29	(20)	4	(3)	1	(1)	25	(17)	8	(6)	10	(7)	27	(19)	2	(1)	14	(10)	0	(0)	143	(2.8)
	E2	0	(0)	3	(1)	400	(93)	0	(0)	0	(0)	1	(0)	0	(0)	1	(0)	0	(0)	5	(1)	16	(4)	0	(0)	2	(0)	0	(0)	428	(8.2)
	F	0	(0)	2	(0)	323	(79)	2	(0)	5	(1)	1	(0)	0	(0)	39	(9)	0	(0)	2	(0)	25	(6)	1	(0)	11	(3)	0	(0)	411	(7.9)
	H	0	(0)	1	(1)	0	(0)	0	(0)	20	(23)	0	(0)	0	(0)	2	(2)	2	(2)	10	(11)	7	(8)	1	(1)	44	(51)	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)	27	(9)	37	(12)	18	(6)	0	(0)	13	(4)	0	(0)	313	(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	(7.1)
	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)	24	(14)	2	(1)	1	(1)	45	(26)	23	(13)	24	(14)	30	(17)	2	(1)	15	(9)	0	(0)	176	(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)	10	(3)	2	(1)	7	(2)	9	(3)	2	(1)	4	(1)	0	(0)	327	(6.3)
	W	0	(0)	2	(1)	215	(90)	0	(0)	1	(0)	0	(0)	0	(0)	1	(0)	1	(0)	2	(1)	11	(5)	0	(0)	5	(2)	0	(0)	238	(4.6)
	X	0	(0)	8	(4)	137	(67)	2	(1)	21	(10)	9	(4)	1	(0)	4	(2)	0	(0)	5	(2)	9	(4)	2	(1)	4	(2)	1	(0)	203	(3.9)
	Y	1	(1)	6	(4)	2	(1)	0	(0)	12	(8)	1	(1)	1	(1)	88	(55)	9	(6)	9	(6)	23	(14)	4	(3)	4	(3)	0	(0)	160	(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	(3)	17	(5)	11	(3)	42	(13)	4	(1)	60	(18)	0	(0)	334	(6.4)
2007 Total		**21**	**(0.4)**	**126**	**(2.4)**	**2,810**	**(54.1)**	**24**	**(0.5)**	**351**	**(6.8)**	**58**	**(1.1)**	**20**	**(0.4)**	**505**	**(9.7)**	**186**	**(3.6)**	**330**	**(6.4)**	**435**	**(8.4)**	**37**	**(0.7)**	**279**	**(5.4)**	**9**	**(0.2)**	**5,191**	
2008	A	2	(1)	2	(1)	1	(1)	1	(1)	12	(8)	2	(1)	3	(2)	28	(20)	21	(15)	51	(36)	13	(9)	1	(1)	6	(4)	0	(0)	143	(2.6)
	B	1	(2)	3	(6)	0	(0)	1	(2)	21	(39)	2	(4)	0	(0)	4	(7)	0	(0)	0	(0)	18	(33)	1	(2)	3	(6)	0	(0)	54	(1.0)
	C	0	(0)	1	(1)	0	(0)	1	(1)	1	(1)	1	(1)	1	(1)	45	(58)	1	(1)	3	(4)	18	(23)	0	(0)	6	(8)	0	(0)	78	(1.4)
	D	1	(1)	4	(3)	2	(1)	6	(4)	27	(18)	3	(2)	1	(1)	20	(14)	17	(12)	15	(10)	39	(27)	1	(1)	10	(7)	1	(1)	147	(2.7)
	E1	4	(3)	6	(4)	7	(5)	2	(1)	28	(21)	2	(1)	2	(1)	22	(16)	7	(5)	11	(8)	26	(19)	0	(0)	19	(14)	0	(0)	136	(2.5)
	E2	0	(0)	2	(0)	418	(95)	0	(0)	1	(0)	0	(0)	1	(0)	0	(0)	1	(0)	1	(0)	14	(3)	1	(0)	2	(0)	0	(0)	441	(8.1)
	F	0	(0)	1	(0)	305	(71)	4	(1)	6	(1)	1	(0)	0	(0)	69	(16)	0	(0)	1	(0)	25	(6)	2	(0)	14	(3)	0	(0)	428	(7.9)
	H	0	(0)	1	(1)	3	(3)	2	(2)	45	(43)	3	(3)	0	(0)	0	(0)	10	(10)	18	(17)	10	(10)	3	(3)	4	(4)	6	(6)	105	(1.9)
	I	0	(0)	1	(0)	239	(68)	2	(1)	23	(7)	2	(1)	0	(0)	17	(5)	14	(4)	24	(7)	15	(4)	1	(0)	13	(4)	0	(0)	351	(6.5)
	J	0	(0)	2	(4)	0	(0)	1	(2)	24	(53)	0	(0)	2	(4)	0	(0)	2	(4)	0	(0)	6	(13)	0	(0)	8	(18)	0	(0)	45	(0.8)
	K	2	(1)	16	(5)	166	(56)	0	(0)	27	(9)	5	(2)	4	(1)	3	(1)	18	(6)	23	(8)	17	(6)	0	(0)	14	(5)	0	(0)	295	(5.4)
	L	0	(0)	0	(0)	0	(0)	0	(0)	1	(2)	0	(0)	0	(0)	33	(77)	0	(0)	0	(0)	5	(12)	1	(2)	3	(7)	0	(0)	43	(0.8)
	M	0	(0)	2	(2)	1	(1)	0	(0)	6	(7)	0	(0)	0	(0)	27	(31)	3	(3)	19	(22)	14	(16)	0	(0)	16	(18)	0	(0)	88	(1.6)
	N	1	(1)	5	(5)	74	(73)	0	(0)	2	(2)	0	(0)	1	(1)	2	(2)	3	(3)	3	(3)	9	(9)	0	(0)	2	(2)	0	(0)	102	(1.9)
	O	0	(0)	2	(1)	335	(89)	0	(0)	7	(2)	2	(1)	0	(0)	5	(1)	0	(0)	3	(1)	15	(4)	0	(0)	6	(2)	2	(1)	377	(7.0)
	P	1	(0)	18	(4)	300	(67)	1	(0)	27	(6)	2	(0)	4	(1)	14	(3)	19	(4)	16	(4)	34	(8)	4	(1)	9	(2)	0	(0)	449	(8.3)
	Q	1	(1)	5	(3)	2	(1)	2	(1)	25	(17)	4	(3)	0	(0)	20	(13)	17	(11)	19	(13)	42	(28)	1	(1)	11	(7)	0	(0)	149	(2.8)
	R	0	(0)	4	(1)	176	(65)	0	(0)	13	(5)	2	(1)	0	(0)	44	(16)	9	(3)	6	(2)	10	(4)	0	(0)	5	(2)	0	(0)	269	(5.0)
	S	0	(0)	0	(0)	2	(4)	0	(0)	0	(0)	0	(0)	0	(0)	34	(68)	2	(4)	0	(0)	10	(20)	2	(4)	0	(0)	0	(0)	50	(0.9)
	T	2	(2)	3	(2)	0	(0)	0	(0)	27	(20)	0	(0)	0	(0)	7	(5)	9	(7)	43	(33)	20	(15)	7	(5)	13	(10)	1	(1)	132	(2.4)
	U	1	(6)	0	(0)	1	(6)	0	(0)	6	(38)	1	(6)	0	(0)	0	(0)	1	(6)	1	(6)	4	(25)	1	(6)	0	(0)	0	(0)	16	(0.3)
	V	0	(0)	6	(2)	257	(77)	6	(2)	19	(6)	1	(0)	0	(0)	9	(3)	6	(2)	9	(3)	15	(4)	0	(0)	6	(2)	0	(0)	334	(6.2)
	W	2	(1)	0	(0)	211	(83)	1	(0)	8	(3)	1	(0)	0	(0)	2	(1)	2	(1)	10	(4)	12	(5)	0	(0)	6	(2)	0	(0)	255	(4.7)
	X	1	(0)	9	(4)	129	(64)	1	(0)	12	(6)	23	(11)	0	(0)	4	(2)	2	(1)	7	(3)	5	(2)	3	(1)	2	(1)	3	(1)	201	(3.7)
	Y	1	(1)	5	(3)	4	(2)	0	(0)	7	(4)	3	(2)	1	(1)	83	(47)	16	(9)	18	(10)	29	(16)	3	(2)	7	(4)	0	(0)	177	(3.3)
	Z	3	(7)	1	(2)	0	(0)	1	(2)	4	(10)	1	(2)	0	(0)	0	(0)	6	(14)	2	(5)	21	(50)	1	(2)	2	(5)	0	(0)	42	(0.8)
	ZA	4	(1)	3	(1)	209	(47)	5	(1)	20	(5)	6	(1)	6	(1)	9	(2)	30	(7)	9	(2)	42	(9)	3	(1)	97	(22)	0	(0)	443	(8.2)
	ZB	1	(2)	9	(14)	13	(20)	1	(2)	8	(13)	0	(0)	0	(0)	12	(19)	3	(5)	7	(11)	1	(2)	6	(9)	0	(0)	64	(1.2)
2008 Total		**28**	**(0.5)**	**111**	**(2.1)**	**2,855**	**(52.7)**	**38**	**(0.7)**	**407**	**(7.5)**	**67**	**(1.2)**	**26**	**(0.5)**	**513**	**(9.5)**	**219**	**(4.0)**	**315**	**(5.8)**	**495**	**(9.1)**	**37**	**(0.7)**	**290**	**(5.4)**	**13**	**(0.2)**	**5,414**	
2009	A	2	(1)	10	(6)	2	(1)	1	(1)	29	(17)	3	(2)	0	(0)	30	(17)	16	(9)	51	(29)	16	(9)	3	(2)	11	(6)	0	(0)	174	(3.0)
	B	1	(1)	3	(2)	0	(0)	2	(2)	38	(30)	1	(1)	0	(0)	2	(2)	6	(5)	1	(1)	53	(42)	2	(2)	16	(13)	0	(0)	125	(2.1)
	C	0	(0)	2	(3)	0	(0)	0	(0)	3	(4)	1	(1)	0	(0)	52	(65)	2	(3)	2	(3)	13	(16)	1	(1)	4	(5)	0	(0)	80	(1.4)
	D	0	(0)	6	(3)	5	(3)	6	(3)	20	(11)	3	(2)	1	(1)	31	(17)	28	(15)	17	(9)	49	(27)	1	(1)	13	(7)	1	(1)	181	(3.1)
	E1	0	(0)	11	(7)	5	(3)	5	(3)	33	(22)	2	(1)	0	(0)	26	(17)	11	(7)	16	(11)	27	(18)	0	(0)	16	(11)	0	(0)	152	(2.6)
	E2	0	(0)	3	(1)	431	(93)	0	(0)	0	(0)	2	(0)	0	(0)	2	(0)	2	(0)	6	(1)	16	(3)	0	(0)	2	(0)	0	(0)	464	(7.9)
	F	0	(0)	1	(0)	302	(74)	2	(0)	6	(1)	1	(0)	0	(0)	59	(14)	0	(0)	1	(0)	24	(6)	1	(0)	10	(2)	1	(0)	408	(7.0)
	H	0	(0)	3	(2)	5	(3)	3	(2)	31	(20)	1	(1)	0	(0)	3	(2)	20	(13)	30	(20)	15	(10)	2	(1)	38	(25)	2	(1)	153	(2.6)
	I	1	(0)	5	(1)	235	(62)	1	(0)	19	(5)	7	(2)	1	(0)	25	(7)	14	(4)	39	(10)	16	(4)	1	(0)	13	(3)	0	(0)	377	(6.4)
	J	0	(0)	10	(32)	0	(0)	0	(0)	9	(29)	0	(0)	0	(0)	0	(0)	3	(10)	0	(0)	2	(6)	0	(0)	4	(13)	3	(10)	31	(0.5)
	K	4	(1)	23	(7)	161	(52)	1	(0)	15	(5)	2	(1)	1	(0)	14	(5)	18	(6)	33	(11)	23	(7)	4	(1)	11	(4)	1	(0)	311	(5.3)
	L	0	(0)	0	(0)	1	(3)	0	(0)	3	(8)	2	(5)	0	(0)	21	(57)	4	(11)	0	(0)	5	(14)	0	(0)	1	(3)	0	(0)	37	(0.6)
	M	0	(0)	1	(2)	4	(7)	0	(0)	1	(2)	1	(2)	0	(0)	22	(37)	2	(3)	7	(12)	10	(17)	1	(2)	10	(17)	0	(0)	59	(1.0)
	N	0	(0)	8	(6)	91	(67)	1	(1)	5	(4)	1	(1)	3	(2)	9	(7)	6	(4)	2	(1)	6	(4)	0	(0)	4	(3)	0	(0)	136	(2.3)
	O	0	(0)	2	(0)	398	(88)	0	(0)	14	(3)	4	(1)	0	(0)	0	(0)	1	(0)	5	(1)	23	(5)	0	(0)	3	(1)	1	(0)	451	(7.7)
	P	2	(0)	17	(4)	298	(67)	1	(0)	33	(7)	5	(1)	0	(0)	17	(4)	22	(5)	13	(3)	30	(7)	2	(0)	6	(1)	0	(0)	446	(7.6)
	Q	1	(1)	5	(7)	1	(1)	0	(0)	11	(16)	1	(1)	1	(1)	9	(13)	7	(10)	9	(13)	17	(25)	0	(0)	5	(7)	0	(0)	67	(1.1)
	R	0	(0)	12	(4)	152	(57)	0	(0)	23	(9)	4	(1)	0	(0)	45	(17)	9	(3)	4	(1)	14	(5)	0	(0)	4	(1)	0	(0)	267	(4.6)
	S	0	(0)	0	(0)	1	(3)	0	(0)	0	(0)	1	(3)	0	(0)	14	(42)	3	(9)	1	(3)	10	(30)	1	(3)	2	(6)	0	(0)	33	(0.6)
	T	1	(1)	4	(3)	1	(1)	1	(1)	21	(14)	1	(1)	0	(0)	11	(8)	17	(12)	45	(31)	33	(23)	3	(2)	7	(5)	0	(0)	145	(2.5)
	U	0	(0)	3	(15)	0	(0)	1	(5)	5	(25)	0	(0)	0	(0)	0	(0)	1	(5)	0	(0)	9	(45)	0	(0)	1	(5)	0	(0)	20	(0.3)
	V	2	(0)	1	(0)	408	(86)	5	(1)	22	(5)	2	(0)	2	(0)	7	(1)	5	(1)	5	(1)	17	(4)	0	(0)	1	(0)	0	(0)	477	(8.1)
	W	0	(0)	2	(1)	201	(86)	1	(0)	6	(3)	0	(0)	1	(0)	1	(0)	1	(0)	8	(3)	8	(3)	0	(0)	5	(2)	0	(0)	234	(4.0)
	X	0	(0)	4	(2)	153	(72)	0	(0)	13	(6)	9	(4)	1	(0)	2	(1)	1	(0)	4	(2)	8	(4)	1	(0)	7	(3)	10	(5)	213	(3.6)
	Y	0	(0)	7	(4)	2	(1)	2	(1)	10	(5)	2	(1)	1	(1)	87	(46)	22	(12)	20	(11)	30	(16)	3	(2)	2	(1)	0	(0)	188	(3.2)
	Z	3	(5)	2	(4)	1	(2)	1	(2)	12	(22)	0	(0)	0	(0)	4	(7)	4	(7)	2	(4)	20	(36)	3	(5)	3	(5)	0	(0)	55	(0.9)
	ZA	0	(0)	9	(2)	222	(48)	1	(0)	28	(6)	9	(2)	1	(0)	8	(2)	19	(4)	20	(4)	55	(12)	3	(1)	89	(19)	0	(0)	464	(7.9)
	ZB	0	(0)	6	(5)	18	(16)	1	(1)	11	(9)	0	(0)	3	(3)	21	(18)	6	(5)	18	(16)	13	(11)	2	(2)	13	(11)	4	(3)	116	(2.0)
2009 Total		**17**	**(0.3)**	**160**	**(2.7)**	**3,098**	**(52.8)**	**36**	**(0.6)**	**421**	**(7.2)**	**65**	**(1.1)**	**16**	**(0.3)**	**522**	**(8.9)**	**250**	**(4.3)**	**359**	**(6.1)**	**562**	**(9.6)**	**34**	**(0.6)**	**301**	**(5.1)**	**23**	**(0.4)**	**5,864**	
Grand Total		**66**	**(0.4)**	**397**	**(2.4)**	**8,763**	**(53.2)**	**98**	**(0.6)**	**1,179**	**(7.2)**	**190**	**(1.2)**	**62**	**(0.4)**	**1,540**	**(9.4)**	**655**	**(4.0)**	**1,004**	**(6.1)**	**1,492**	**(9.1)**	**108**	**(0.7)**	**870**	**(5.3)**	**45**	**(0.3)**	**16,469**	

Table 20 Admissions by primary diagnostic group (unplanned - following surgery) by NHS trust, 2007 - 2009

Admission year	NHS Trust	Diagnostic Group: Blood / lymphatic		Body wall and cavities		Cardiovascular		Endocrine / metabolic		Gastrointestinal Infection				Multisystem		Musculoskeletal		Neurological		Oncology		Respiratory		Trauma		Other		Unknown		Total	
		n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
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)
	E1	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	(7)	0	(0)	0	(0)	6	(40)	0	(0)	0	(0)	0	(0)	1	(7)	0	(0)	3	(20)	0	(0)	4	(27)	0	(0)	15	(2.0)
	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	(1.9)
	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	0	(0)	1	(4)	3	(13)	0	(0)	8	(35)	2	(9)	0	(0)	0	(0)	0	(0)	1	(4)	5	(22)	0	(0)	3	(13)	0	(0)	23	(3.0)
	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	(4)	4	(9)	1	(2)	4	(9)	0	(0)	46	(6.1)
2007 Total		14	(1.9)	30	(4.0)	142	(18.8)	11	(1.5)	159	(21.0)	29	(3.8)	4	(0.5)	12	(1.6)	57	(7.5)	22	(2.9)	171	(22.6)	41	(5.4)	61	(8.1)	3	(0.4)	756	
2008	A	0	(0)	0	(0)	1	(3)	2	(6)	10	(29)	0	(0)	1	(3)	0	(0)	7	(20)	5	(14)	2	(6)	3	(9)	4	(11)	0	(0)	35	(3.9)
	B	0	(0)	0	(0)	0	(0)	0	(0)	6	(33)	1	(6)	0	(0)	0	(0)	1	(6)	0	(0)	9	(50)	1	(6)	0	(0)	0	(0)	18	(2.0)
	C	0	(0)	1	(8)	0	(0)	0	(0)	1	(8)	2	(15)	0	(0)	0	(0)	3	(23)	1	(8)	4	(31)	1	(8)	0	(0)	0	(0)	13	(1.5)
	D	0	(0)	3	(4)	5	(7)	1	(1)	13	(18)	0	(0)	0	(0)	2	(3)	10	(14)	5	(7)	25	(34)	2	(3)	7	(10)	0	(0)	73	(8.2)
	E1	0	(0)	0	(0)	0	(0)	0	(0)	3	(30)	0	(0)	0	(0)	0	(0)	1	(10)	0	(0)	4	(40)	0	(0)	2	(20)	0	(0)	10	(1.1)
	E2	0	(0)	0	(0)	5	(83)	0	(0)	0	(0)	1	(17)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	6	(0.7)
	F	0	(0)	0	(0)	77	(78)	2	(2)	1	(1)	2	(2)	0	(0)	0	(0)	0	(0)	0	(0)	13	(13)	0	(0)	2	(2)	2	(2)	99	(11.1)
	G	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	1	(33)	0	(0)	0	(0)	2	(67)	0	(0)	3	(0.3)
	H	0	(0)	0	(0)	1	(6)	0	(0)	4	(22)	0	(0)	0	(0)	0	(0)	5	(28)	0	(0)	2	(11)	3	(17)	2	(11)	1	(6)	18	(2.0)
	I	0	(0)	1	(2)	13	(31)	2	(5)	7	(17)	2	(5)	0	(0)	0	(0)	4	(10)	1	(2)	4	(10)	4	(10)	4	(10)	0	(0)	42	(4.7)
	J	0	(0)	0	(0)	0	(0)	0	(0)	5	(42)	1	(8)	0	(0)	0	(0)	3	(25)	0	(0)	2	(17)	0	(0)	1	(8)	0	(0)	12	(1.3)
	K	0	(0)	6	(7)	14	(16)	0	(0)	25	(29)	4	(5)	0	(0)	4	(5)	3	(3)	7	(8)	10	(11)	6	(7)	8	(9)	0	(0)	87	(9.8)
	L	0	(0)	0	(0)	0	(0)	0	(0)	2	(40)	0	(0)	0	(0)	0	(0)	1	(20)	0	(0)	1	(20)	1	(20)	0	(0)	0	(0)	5	(0.6)
	M	0	(0)	1	(2)	3	(6)	0	(0)	4	(8)	2	(4)	0	(0)	1	(2)	6	(13)	3	(6)	14	(29)	5	(10)	9	(19)	0	(0)	48	(5.4)
	N	1	(4)	1	(4)	1	(4)	0	(0)	4	(17)	3	(13)	0	(0)	1	(4)	5	(22)	0	(0)	4	(17)	1	(4)	2	(9)	0	(0)	23	(2.6)
	O	0	(0)	0	(0)	3	(60)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	1	(20)	0	(0)	0	(0)	1	(20)	5	(0.6)
	P	0	(0)	1	(9)	2	(18)	0	(0)	0	(0)	1	(9)	0	(0)	0	(0)	3	(27)	1	(9)	2	(18)	1	(9)	0	(0)	0	(0)	11	(1.2)
	Q	2	(5)	5	(14)	0	(0)	0	(0)	8	(22)	4	(11)	0	(0)	0	(0)	6	(16)	2	(5)	9	(24)	0	(0)	1	(3)	0	(0)	37	(4.2)
	R	0	(0)	2	(7)	2	(7)	0	(0)	9	(30)	1	(3)	0	(0)	0	(0)	7	(23)	3	(10)	6	(20)	0	(0)	0	(0)	0	(0)	30	(3.4)
	S	0	(0)	0	(0)	0	(0)	0	(0)	1	(10)	0	(0)	0	(0)	0	(0)	1	(10)	0	(0)	5	(50)	1	(10)	2	(20)	0	(0)	10	(1.1)
	T	0	(0)	0	(0)	0	(0)	0	(0)	9	(31)	1	(3)	0	(0)	0	(0)	6	(21)	1	(3)	8	(28)	2	(7)	1	(3)	1	(3)	29	(3.3)
	U	0	(0)	0	(0)	0	(0)	1	(13)	3	(38)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	3	(38)	0	(0)	1	(13)	0	(0)	8	(0.9)
	V	1	(2)	1	(2)	21	(40)	0	(0)	7	(13)	3	(6)	0	(0)	1	(2)	4	(8)	3	(6)	8	(15)	2	(4)	2	(4)	0	(0)	53	(6.0)
	W	0	(0)	0	(0)	7	(33)	0	(0)	7	(33)	2	(10)	0	(0)	0	(0)	0	(0)	1	(5)	3	(14)	0	(0)	1	(5)	0	(0)	21	(2.4)
	X	0	(0)	0	(0)	2	(14)	0	(0)	3	(21)	1	(7)	0	(0)	0	(0)	2	(14)	1	(7)	4	(29)	0	(0)	0	(0)	1	(7)	14	(1.6)
	Y	0	(0)	1	(3)	0	(0)	0	(0)	11	(28)	6	(15)	0	(0)	2	(5)	7	(18)	0	(0)	11	(28)	1	(3)	0	(0)	0	(0)	39	(4.4)
	Z	1	(4)	1	(4)	0	(0)	0	(0)	7	(25)	2	(7)	0	(0)	0	(0)	1	(4)	0	(0)	9	(32)	5	(18)	2	(7)	0	(0)	28	(3.1)
	ZA	0	(0)	2	(2)	17	(19)	2	(2)	20	(23)	9	(10)	3	(3)	1	(1)	6	(7)	2	(2)	16	(18)	2	(2)	8	(9)	0	(0)	88	(9.9)
	ZB	0	(0)	0	(0)	3	(12)	1	(4)	5	(20)	0	(0)	0	(0)	1	(4)	2	(8)	2	(8)	6	(24)	1	(4)	4	(16)	0	(0)	25	(2.8)
2008 Total		5	(0.6)	26	(2.9)	177	(19.9)	11	(1.2)	175	(19.7)	48	(5.4)	4	(0.4)	13	(1.5)	94	(10.6)	39	(4.4)	185	(20.8)	42	(4.7)	65	(7.3)	6	(0.7)	890	
2009	A	0	(0)	2	(5)	2	(5)	1	(2)	9	(22)	4	(10)	0	(0)	2	(5)	6	(15)	3	(7)	3	(7)	3	(7)	6	(15)	0	(0)	41	(4.4)
	B	2	(7)	0	(0)	0	(0)	0	(0)	9	(30)	1	(3)	0	(0)	0	(0)	0	(0)	1	(3)	14	(47)	0	(0)	3	(10)	0	(0)	30	(3.2)
	C	1	(8)	1	(8)	0	(0)	1	(8)	0	(0)	3	(23)	0	(0)	1	(8)	0	(0)	0	(0)	5	(38)	0	(0)	1	(8)	0	(0)	13	(1.4)
	D	2	(2)	0	(0)	3	(4)	2	(2)	15	(19)	4	(5)	0	(0)	4	(5)	13	(16)	4	(5)	28	(35)	2	(2)	4	(5)	0	(0)	81	(8.6)
	E1	0	(0)	0	(0)	0	(0)	1	(13)	0	(0)	1	(13)	1	(13)	0	(0)	0	(0)	2	(25)	0	(0)	1	(13)	2	(25)	0	(0)	8	(0.9)
	E2	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	1	(100)	0	(0)	0	(0)	0	(0)	1	(0.1)
	F	0	(0)	1	(1)	61	(67)	1	(1)	1	(1)	2	(2)	1	(1)	4	(4)	4	(4)	0	(0)	12	(13)	1	(1)	2	(2)	1	(1)	91	(9.7)
	G	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	3	(100)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	3	(0.3)
	H	0	(0)	0	(0)	0	(0)	0	(0)	4	(19)	2	(10)	0	(0)	0	(0)	4	(19)	1	(5)	1	(5)	1	(5)	7	(33)	1	(5)	21	(2.2)
	I	1	(2)	0	(0)	7	(16)	1	(2)	5	(12)	2	(5)	0	(0)	0	(0)	2	(5)	2	(5)	12	(28)	8	(19)	3	(7)	0	(0)	43	(4.6)
	J	0	(0)	0	(0)	0	(0)	0	(0)	10	(48)	1	(5)	0	(0)	0	(0)	1	(5)	0	(0)	5	(24)	0	(0)	2	(10)	2	(10)	21	(2.2)
	K	3	(3)	8	(8)	13	(14)	1	(1)	30	(31)	2	(2)	0	(0)	3	(3)	3	(3)	8	(8)	16	(17)	0	(0)	8	(8)	1	(1)	96	(10.2)
	L	0	(0)	0	(0)	0	(0)	0	(0)	2	(22)	0	(0)	0	(0)	1	(11)	0	(0)	0	(0)	0	(0)	4	(44)	2	(22)	0	(0)	9	(1.0)
	M	0	(0)	1	(3)	1	(3)	0	(0)	7	(20)	4	(11)	0	(0)	0	(0)	6	(17)	1	(3)	10	(29)	2	(6)	3	(9)	0	(0)	35	(3.7)
	N	0	(0)	1	(3)	5	(14)	0	(0)	7	(19)	1	(3)	0	(0)	3	(8)	1	(3)	3	(8)	11	(31)	1	(3)	3	(8)	0	(0)	36	(3.8)
	O	0	(0)	0	(0)	1	(33)	0	(0)	0	(0)	1	(33)	0	(0)	0	(0)	0	(0)	0	(0)	1	(33)	0	(0)	0	(0)	0	(0)	3	(0.3)
	P	0	(0)	1	(6)	3	(19)	0	(0)	3	(19)	1	(6)	1	(6)	0	(0)	1	(6)	0	(0)	4	(25)	1	(6)	1	(6)	0	(0)	16	(1.7)
	Q	0	(0)	2	(6)	2	(6)	0	(0)	6	(18)	1	(3)	0	(0)	0	(0)	4	(12)	4	(12)	8	(24)	1	(3)	5	(15)	0	(0)	33	(3.5)
	R	1	(5)	2	(10)	1	(5)	0	(0)	7	(35)	2	(10)	0	(0)	0	(0)	0	(0)	1	(5)	3	(15)	1	(5)	2	(10)	0	(0)	20	(2.1)
	S	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	1	(8)	0	(0)	1	(8)	0	(0)	0	(0)	5	(38)	5	(38)	1	(8)	0	(0)	13	(1.4)
	T	1	(3)	0	(0)	1	(3)	0	(0)	8	(22)	1	(3)	0	(0)	2	(6)	9	(25)	3	(8)	9	(25)	0	(0)	2	(6)	0	(0)	36	(3.8)
	U	0	(0)	0	(0)	0	(0)	0	(0)	6	(38)	6	(38)	0	(0)	0	(0)	0	(0)	0	(0)	3	(19)	0	(0)	1	(6)	0	(0)	16	(1.7)
	V	0	(0)	6	(7)	25	(29)	0	(0)	17	(20)	6	(7)	0	(0)	2	(2)	8	(9)	4	(5)	12	(14)	0	(0)	5	(6)	0	(0)	85	(9.0)
	W	2	(11)	0	(0)	1	(6)	1	(6)	7	(39)	2	(11)	0	(0)	0	(0)	0	(0)	1	(6)	3	(17)	0	(0)	1	(6)	0	(0)	18	(1.9)
	X	1	(5)	0	(0)	1	(5)	0	(0)	9	(45)	0	(0)	0	(0)	1	(5)	1	(5)	0	(0)	7	(35)	0	(0)	0	(0)	0	(0)	20	(2.1)
	Y	1	(3)	0	(0)	0	(0)	0	(0)	4	(14)	4	(14)	0	(0)	5	(17)	5	(17)	0	(0)	6	(21)	3	(10)	0	(0)	1	(3)	29	(3.1)
	Z	1	(2)	2	(5)	1	(2)	0	(0)	5	(12)	3	(7)	0	(0)	0	(0)	6	(14)	0	(0)	15	(36)	4	(10)	5	(12)	0	(0)	42	(4.5)
	ZA	2	(3)	1	(2)	9	(15)	2	(3)	17	(29)	8	(14)	1	(2)	0	(0)	3	(5)	1	(2)	10	(17)	3	(5)	2	(3)	0	(0)	59	(6.3)
	ZB	0	(0)	1	(5)	1	(5)	0	(0)	4	(18)	2	(9)	0	(0)	1	(5)	2	(9)	2	(9)	5	(23)	1	(5)	3	(14)	0	(0)	22	(2.3)
2009 Total		18	(1.9)	29	(3.1)	138	(14.7)	11	(1.2)	192	(20.4)	65	(6.9)	4	(0.4)	30	(3.2)	82	(8.7)	41	(4.4)	209	(22.2)	42	(4.5)	74	(7.9)	6	(0.6)	941	
Grand Total		37	(1.4)	85	(3.3)	457	(17.7)	33	(1.3)	526	(20.3)	142	(5.5)	12	(0.5)	55	(2.1)	233	(9.0)	102	(3.9)	565	(21.8)	125	(4.8)	200	(7.7)	15	(0.6)	2,587	

Table 21 Admissions by primary diagnostic group (planned - other) by NHS trust, 2007 - 2009

Admission year	NHS Trust	Diagnostic Group: Blood / lymphatic n	%	Body wall and cavities n	%	Cardiovascular n	%	Endocrine / metabolic n	%	Gastrointestinal n	%	Infection n	%	Multisystem n	%	Musculoskeletal n	%	Neurological n	%	Oncology n	%	Respiratory n	%	Trauma n	%	Other n	%	Unknown n	%	Total n	%
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	(2.7)
	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	(0.9)
	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	(0.9)
	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	(4.3)
	E1	0	(0)	3	(5)	10	(18)	5	(9)	3	(5)	1	(2)	0	(0)	0	(0)	9	(16)	0	(0)	20	(36)	0	(0)	4	(7)	0	(0)	55	(5.2)
	E2	0	(0)	0	(0)	34	(72)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	1	(2)	12	(26)	0	(0)	0	(0)	0	(0)	47	(4.5)
	F	0	(0)	1	(3)	5	(17)	0	(0)	2	(7)	0	(0)	0	(0)	1	(3)	1	(3)	0	(0)	16	(55)	0	(0)	3	(10)	0	(0)	29	(2.8)
	H	1	(2)	1	(2)	1	(2)	2	(4)	6	(13)	3	(6)	0	(0)	0	(0)	10	(21)	0	(0)	3	(6)	3	(6)	17	(36)	0	(0)	47	(4.5)
	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	(11.3)
	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)	105	(67)	2	(1)	2	(1)	1	(1)	0	(0)	2	(1)	0	(0)	0	(0)	32	(21)	0	(0)	2	(1)	10	(6)	156	(14.8)
	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	(2.5)
	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	(7.7)
	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)	60	(64)	0	(0)	11	(12)	0	(0)	0	(0)	0	(0)	5	(5)	1	(1)	10	(11)	1	(1)	3	(3)	0	(0)	94	(8.9)
	W	1	(14)	2	(29)	3	(43)	0	(0)	1	(14)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	7	(0.7)
	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	(2.7)
	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		13	(1.2)	50	(4.7)	378	(35.9)	25	(2.4)	69	(6.6)	32	(3.0)	2	(0.2)	26	(2.5)	86	(8.2)	20	(1.9)	268	(25.5)	18	(1.7)	56	(5.3)	10	(0.9)	1,053	
2008	A	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	2	(11)	1	(6)	0	(0)	6	(33)	5	(28)	1	(6)	3	(17)	0	(0)	0	(0)	18	(1.8)
	B	1	(5)	6	(30)	0	(0)	0	(0)	3	(15)	2	(10)	0	(0)	0	(0)	0	(0)	0	(0)	5	(25)	0	(0)	3	(15)	0	(0)	20	(2.1)
	C	0	(0)	0	(0)	1	(25)	0	(0)	0	(0)	1	(25)	0	(0)	0	(0)	0	(0)	1	(25)	1	(25)	0	(0)	0	(0)	0	(0)	4	(0.4)
	D	1	(2)	0	(0)	4	(8)	0	(0)	0	(0)	4	(8)	1	(2)	2	(4)	8	(16)	3	(6)	22	(45)	2	(4)	2	(4)	0	(0)	49	(5.0)
	E1	1	(2)	2	(4)	10	(20)	2	(4)	2	(4)	2	(4)	0	(0)	3	(6)	6	(12)	3	(6)	13	(26)	0	(0)	6	(12)	0	(0)	50	(5.1)
	E2	0	(0)	0	(0)	21	(57)	0	(0)	0	(0)	0	(0)	0	(0)	1	(3)	0	(0)	0	(0)	15	(41)	0	(0)	0	(0)	0	(0)	37	(3.8)
	F	0	(0)	0	(0)	4	(15)	0	(0)	2	(8)	0	(0)	0	(0)	5	(19)	0	(0)	0	(0)	11	(42)	0	(0)	4	(15)	0	(0)	26	(2.7)
	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	(0.1)
	H	1	(2)	0	(0)	2	(3)	2	(3)	15	(24)	2	(3)	0	(0)	0	(0)	10	(16)	6	(10)	4	(6)	2	(3)	17	(27)	2	(3)	63	(6.5)
	I	5	(8)	0	(0)	24	(38)	7	(11)	0	(0)	0	(0)	0	(0)	1	(2)	2	(3)	9	(14)	15	(23)	0	(0)	0	(0)	1	(2)	64	(6.6)
	J	1	(50)	0	(0)	0	(0)	0	(0)	1	(50)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	2	(0.2)
	K	3	(3)	13	(15)	33	(38)	1	(1)	6	(7)	1	(1)	0	(0)	2	(2)	6	(7)	2	(2)	16	(18)	0	(0)	4	(5)	0	(0)	87	(8.9)
	L	0	(0)	0	(0)	1	(3)	1	(3)	1	(3)	0	(0)	0	(0)	3	(8)	2	(5)	0	(0)	28	(72)	1	(3)	2	(5)	0	(0)	39	(4.0)
	M	0	(0)	0	(0)	1	(7)	0	(0)	1	(7)	1	(7)	0	(0)	1	(7)	1	(7)	2	(14)	4	(29)	0	(0)	3	(21)	0	(0)	14	(1.4)
	N	0	(0)	0	(0)	1	(13)	0	(0)	0	(0)	0	(0)	1	(13)	0	(0)	2	(25)	0	(0)	3	(38)	0	(0)	1	(13)	0	(0)	8	(0.8)
	O	0	(0)	2	(2)	79	(80)	0	(0)	0	(0)	1	(1)	0	(0)	0	(0)	1	(1)	0	(0)	11	(11)	0	(0)	0	(0)	5	(5)	99	(10.2)
	P	0	(0)	1	(2)	30	(71)	0	(0)	1	(2)	0	(0)	0	(0)	0	(0)	1	(2)	0	(0)	7	(17)	0	(0)	2	(5)	0	(0)	42	(4.3)
	Q	0	(0)	2	(11)	2	(11)	1	(5)	2	(11)	0	(0)	0	(0)	0	(0)	4	(21)	0	(0)	6	(32)	0	(0)	2	(11)	0	(0)	19	(2.0)
	R	1	(2)	6	(12)	5	(10)	1	(2)	15	(29)	4	(8)	0	(0)	0	(0)	8	(15)	0	(0)	9	(17)	0	(0)	3	(6)	0	(0)	52	(5.3)
	S	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	2	(50)	0	(0)	0	(0)	2	(50)	0	(0)	0	(0)	0	(0)	4	(0.4)
	T	1	(5)	0	(0)	0	(0)	2	(9)	2	(9)	4	(18)	0	(0)	0	(0)	5	(23)	2	(9)	4	(18)	0	(0)	2	(9)	0	(0)	22	(2.3)
	U	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	1	(8)	0	(0)	7	(58)	0	(0)	4	(33)	0	(0)	12	(1.2)
	V	1	(1)	2	(2)	53	(55)	2	(2)	11	(11)	1	(1)	0	(0)	0	(0)	5	(5)	2	(2)	14	(14)	1	(1)	5	(5)	0	(0)	97	(10.0)
	W	0	(0)	0	(0)	3	(27)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	3	(27)	1	(9)	4	(36)	0	(0)	0	(0)	0	(0)	11	(1.1)
	X	0	(0)	1	(2)	32	(56)	0	(0)	3	(5)	1	(2)	0	(0)	0	(0)	5	(9)	1	(2)	8	(14)	0	(0)	1	(2)	5	(9)	57	(5.9)
	Y	0	(0)	2	(29)	1	(14)	0	(0)	1	(14)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	2	(29)	0	(0)	1	(14)	0	(0)	7	(0.7)
	Z	6	(16)	1	(3)	1	(3)	4	(11)	4	(11)	1	(3)	0	(0)	0	(0)	1	(3)	0	(0)	14	(38)	4	(11)	1	(3)	0	(0)	37	(3.8)
	ZA	2	(10)	0	(0)	5	(25)	1	(5)	1	(5)	0	(0)	0	(0)	2	(10)	2	(10)	1	(5)	2	(10)	1	(5)	3	(15)	0	(0)	20	(2.1)
	ZB	0	(0)	5	(38)	4	(31)	0	(0)	0	(0)	1	(8)	0	(0)	0	(0)	2	(15)	0	(0)	1	(8)	0	(0)	0	(0)	0	(0)	13	(1.3)
2008 Total		24	(2.5)	43	(4.4)	317	(32.5)	24	(2.5)	71	(7.3)	29	(3.0)	3	(0.3)	22	(2.3)	81	(8.3)	38	(3.9)	229	(23.5)	14	(1.4)	66	(6.8)	13	(1.3)	974	
2009	A	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	4	(21)	8	(42)	2	(11)	2	(11)	3	(16)	0	(0)	0	(0)	19	(1.9)
	B	0	(0)	4	(10)	1	(3)	1	(3)	11	(28)	1	(3)	1	(3)	0	(0)	1	(3)	0	(0)	16	(40)	0	(0)	4	(10)	0	(0)	40	(3.9)
	C	0	(0)	0	(0)	1	(14)	0	(0)	0	(0)	3	(43)	0	(0)	0	(0)	1	(14)	0	(0)	1	(14)	1	(14)	0	(0)	0	(0)	7	(0.7)
	D	0	(0)	0	(0)	4	(11)	2	(6)	0	(0)	2	(6)	1	(3)	1	(3)	9	(25)	0	(0)	15	(42)	0	(0)	2	(6)	0	(0)	36	(3.5)
	E1	3	(4)	6	(9)	14	(20)	1	(1)	7	(10)	1	(1)	0	(0)	4	(6)	7	(10)	2	(3)	18	(26)	0	(0)	6	(9)	0	(0)	69	(6.7)
	E2	0	(0)	0	(0)	16	(57)	0	(0)	0	(0)	1	(4)	0	(0)	1	(4)	0	(0)	0	(0)	10	(36)	0	(0)	0	(0)	0	(0)	28	(2.7)
	F	0	(0)	1	(9)	3	(27)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	5	(45)	0	(0)	2	(18)	0	(0)	11	(1.1)
	H	3	(4)	1	(1)	2	(3)	5	(7)	11	(15)	1	(1)	0	(0)	4	(6)	12	(17)	7	(10)	14	(20)	0	(0)	9	(13)	2	(3)	71	(6.9)
	I	0	(0)	2	(3)	22	(34)	0	(0)	3	(5)	1	(2)	0	(0)	2	(3)	6	(9)	4	(6)	22	(34)	1	(2)	2	(3)	0	(0)	65	(6.4)
	J	0	(0)	0	(0)	0	(0)	0	(0)	1	(20)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	1	(20)	0	(0)	2	(40)	1	(20)	5	(0.5)
	K	4	(4)	12	(13)	38	(40)	1	(1)	11	(12)	2	(2)	2	(2)	1	(1)	4	(4)	4	(4)	9	(9)	2	(2)	5	(5)	0	(0)	95	(9.3)
	L	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	2	(5)	1	(3)	0	(0)	33	(89)	1	(3)	0	(0)	0	(0)	37	(3.6)
	M	1	(8)	0	(0)	2	(15)	0	(0)	0	(0)	0	(0)	0	(0)	1	(8)	0	(0)	0	(0)	7	(54)	1	(8)	1	(8)	0	(0)	13	(1.3)
	N	0	(0)	0	(0)	2	(29)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	2	(29)	0	(0)	3	(43)	0	(0)	0	(0)	0	(0)	7	(0.7)
	O	0	(0)	0	(0)	115	(85)	0	(0)	0	(0)	0	(0)	0	(0)	1	(1)	2	(1)	1	(1)	13	(10)	0	(0)	2	(1)	1	(1)	135	(13.2)
	P	0	(0)	5	(11)	27	(61)	0	(0)	2	(5)	0	(0)	0	(0)	2	(5)	1	(2)	1	(2)	5	(11)	0	(0)	1	(2)	0	(0)	44	(4.3)
	Q	0	(0)	2	(22)	0	(0)	0	(0)	1	(11)	1	(11)	0	(0)	1	(11)	1	(11)	0	(0)	3	(33)	0	(0)	0	(0)	0	(0)	9	(0.9)
	R	0	(0)	12	(17)	16	(22)	1	(1)	13	(18)	2	(3)	0	(0)	0	(0)	3	(4)	1	(1)	20	(28)	0	(0)	4	(6)	0	(0)	72	(7.0)
	S	0	(0)	0	(0)	2	(13)	0	(0)	0	(0)	3	(20)	0	(0)	1	(7)	0	(0)	0	(0)	6	(40)	1	(7)	2	(13)	0	(0)	15	(1.5)
	T	0	(0)	0	(0)	1	(9)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	2	(18)	0	(0)	8	(73)	0	(0)	0	(0)	0	(0)	11	(1.1)
	U	0	(0)	1	(17)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	0	(0)	3	(50)	0	(0)	0	(0)	2	(33)	6	(0.6)
	V	2	(4)	1	(2)	20	(41)	0	(0)	6	(12)	2	(4)	0	(0)	0	(0)	3	(6)	2	(4)	9	(18)	0	(0)	4	(8)	0	(0)	49	(4.8)
	W	0	(0)	0	(0)	6	(46)	0	(0)	2	(15)	0	(0)	0	(0)	0	(0)	2	(15)	0	(0)	3	(23)	0	(0)	0	(0)	0	(0)	13	(1.3)
	X	0	(0)	2	(2)	56	(64)	1	(1)	8	(9)	5	(6)	1	(1)	0	(0)	2	(2)	0	(0)	7	(8)	0	(0)	1	(1)	4	(5)	87	(8.5)
	Y	0	(0)	4	(29)	0	(0)	0	(0)	2	(14)	1	(7)	0	(0)	2	(14)	0	(0)	0	(0)	4	(29)	0	(0)	1	(7)	0	(0)	14	(1.4)
	Z	6	(15)	3	(7)	0	(0)	2	(5)	10	(24)	0	(0)	0	(0)	0	(0)	1	(2)	0	(0)	17	(41)	0	(0)	2	(5)	0	(0)	41	(4.0)
	ZA	0	(0)	0	(0)	6	(40)	2	(13)	0	(0)	0	(0)	1	(7)	0	(0)	0	(0)	1	(7)	4	(27)	0	(0)	1	(7)	0	(0)	15	(1.5)
	ZB	0	(0)	0	(0)	1	(11)	0	(0)	1	(11)	1	(11)	1	(11)	0	(0)	0	(0)	0	(0)	2	(22)	1	(11)	2	(22)	0	(0)	9	(0.9)
2009 Total		19	(1.9)	56	(5.5)	355	(34.7)	16	(1.6)	89	(8.7)	27	(2.6)	7	(0.7)	27	(2.6)	68	(6.6)	25	(2.4)	260	(25.4)	11	(1.1)	53	(5.2)	10	(1.0)	1,023	
Grand Total		56	(1.8)	149	(4.9)	1,050	(34.4)	65	(2.1)	229	(7.5)	88	(2.9)	12	(0.4)	75	(2.5)	235	(7.7)	83	(2.7)	757	(24.8)	43	(1.4)	175	(5.7)	33	(1.1)	3,050	

Table 22 Admissions by primary diagnostic group (unplanned - other) by NHS trust, 2007 - 2009

Admission year	NHS Trust	Diagnostic Group: Blood / lymphatic		Body wall and cavities		Cardiovascular		Endocrine / metabolic		Gastrointestinal		Infection		Multisystem		Musculoskeletal		Neurological		Oncology		Respiratory		Trauma		Other		Unknown		Total	
		n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
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)
	E1	2	(0)	28	(5)	47	(8)	36	(6)	61	(10)	34	(6)	5	(1)	7	(1)	69	(12)	25	(4)	215	(36)	45	(8)	17	(3)	1	(0)	592	(6.9)
	E2	0	(0)	1	(0)	147	(67)	2	(1)	0	(0)	2	(1)	0	(0)	1	(0)	2	(1)	1	(0)	62	(28)	0	(0)	2	(1)	0	(0)	220	(2.6)
	F	4	(1)	2	(0)	127	(18)	24	(3)	11	(2)	56	(8)	0	(0)	0	(0)	98	(14)	1	(0)	318	(46)	14	(2)	33	(5)	2	(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)	9	(6)	5	(3)	16	(11)	6	(4)	0	(0)	1	(1)	34	(22)	3	(2)	40	(26)	11	(7)	18	(12)	6	(4)	152	(1.8)
	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	(4.6)
	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)	10	(2)	54	(13)	15	(4)	101	(25)	18	(4)	18	(4)	0	(0)	401	(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)	12	(3)	174	(45)	16	(4)	17	(4)	0	(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	(4.2)
	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)	155	(23)	22	(3)	56	(8)	30	(5)	1	(0)	5	(1)	66	(10)	11	(2)	217	(33)	63	(10)	22	(3)	0	(0)	663	(7.7)
	W	4	(1)	3	(1)	95	(24)	15	(4)	16	(4)	32	(8)	0	(0)	4	(1)	78	(20)	5	(1)	124	(32)	9	(2)	6	(2)	0	(0)	391	(4.6)
	X	2	(0)	16	(3)	84	(18)	6	(1)	29	(6)	52	(11)	2	(0)	0	(0)	50	(11)	5	(1)	166	(36)	21	(5)	22	(5)	7	(2)	462	(5.4)
	Y	2	(1)	4	(2)	7	(3)	8	(4)	9	(4)	32	(14)	1	(0)	0	(0)	31	(14)	1	(0)	103	(47)	15	(7)	8	(4)	0	(0)	221	(2.6)
	Z	17	(7)	1	(0)	11	(4)	12	(5)	4	(2)	20	(8)	0	(0)	0	(0)	21	(8)	0	(0)	144	(56)	21	(8)	8	(3)	0	(0)	259	(3.0)
	ZA	3	(1)	0	(0)	34	(14)	14	(6)	12	(5)	28	(12)	1	(0)	5	(2)	36	(15)	8	(3)	81	(33)	8	(3)	12	(5)	0	(0)	242	(2.8)
2007 Total		**112**	**(1.3)**	**146**	**(1.7)**	**1,222**	**(14.3)**	**325**	**(3.8)**	**395**	**(4.6)**	**680**	**(7.9)**	**19**	**(0.2)**	**53**	**(0.6)**	**1,342**	**(15.7)**	**163**	**(1.9)**	**3,270**	**(38.2)**	**446**	**(5.2)**	**352**	**(4.1)**	**46**	**(0.5)**	**8,571**	
2008	A	5	(2)	2	(1)	11	(4)	13	(5)	13	(5)	16	(6)	0	(0)	3	(1)	76	(28)	22	(8)	82	(30)	21	(8)	10	(4)	0	(0)	274	(3.0)
	B	2	(1)	0	(0)	9	(5)	24	(12)	9	(5)	14	(7)	0	(0)	0	(0)	32	(17)	2	(1)	82	(42)	11	(6)	8	(4)	0	(0)	193	(2.1)
	C	3	(1)	0	(0)	10	(5)	10	(5)	3	(1)	37	(17)	0	(0)	0	(0)	51	(24)	5	(2)	72	(34)	12	(6)	9	(4)	0	(0)	212	(2.4)
	D	0	(0)	2	(1)	29	(8)	16	(4)	8	(2)	49	(13)	0	(0)	1	(0)	87	(23)	7	(2)	154	(40)	20	(5)	12	(3)	0	(0)	385	(4.3)
	E1	12	(2)	27	(4)	70	(10)	44	(6)	79	(11)	47	(7)	1	(0)	4	(1)	91	(13)	16	(2)	228	(33)	41	(6)	36	(5)	0	(0)	696	(7.7)
	E2	0	(0)	3	(2)	115	(62)	1	(1)	1	(1)	7	(4)	0	(0)	0	(0)	0	(0)	2	(1)	54	(29)	0	(0)	3	(2)	0	(0)	186	(2.1)
	F	7	(1)	2	(0)	100	(17)	20	(3)	7	(1)	59	(10)	0	(0)	1	(0)	62	(10)	0	(0)	292	(48)	13	(2)	31	(5)	9	(1)	603	(6.7)
	G	0	(0)	0	(0)	2	(7)	0	(0)	0	(0)	4	(14)	0	(0)	0	(0)	11	(39)	0	(0)	7	(25)	2	(7)	2	(7)	0	(0)	28	(0.3)
	H	5	(2)	0	(0)	2	(1)	4	(2)	17	(8)	15	(7)	0	(0)	0	(0)	62	(30)	8	(4)	55	(27)	17	(8)	9	(4)	12	(6)	206	(2.3)
	I	5	(1)	1	(0)	61	(16)	20	(5)	13	(4)	46	(12)	0	(0)	1	(0)	53	(14)	1	(0)	120	(32)	22	(6)	21	(6)	6	(2)	370	(4.1)
	J	2	(3)	0	(0)	2	(3)	5	(7)	3	(4)	8	(11)	0	(0)	0	(0)	14	(20)	0	(0)	33	(47)	1	(1)	2	(3)	0	(0)	70	(0.8)
	K	27	(6)	13	(3)	74	(17)	4	(1)	55	(12)	37	(8)	1	(0)	8	(2)	48	(11)	12	(3)	113	(25)	26	(6)	30	(7)	0	(0)	448	(5.0)
	L	0	(0)	0	(0)	17	(7)	3	(1)	3	(1)	21	(9)	0	(0)	0	(0)	41	(18)	2	(1)	132	(57)	7	(3)	6	(3)	0	(0)	232	(2.6)
	M	5	(2)	1	(0)	17	(8)	10	(5)	6	(3)	20	(10)	0	(0)	2	(1)	43	(20)	5	(2)	67	(32)	16	(8)	18	(9)	0	(0)	210	(2.3)
	N	2	(1)	2	(1)	24	(14)	8	(5)	4	(2)	10	(6)	0	(0)	0	(0)	39	(23)	5	(3)	58	(35)	4	(2)	11	(7)	0	(0)	167	(1.9)
	O	0	(0)	0	(0)	94	(73)	0	(0)	0	(0)	4	(3)	0	(0)	0	(0)	1	(1)	0	(0)	20	(16)	0	(0)	1	(1)	9	(7)	129	(1.4)
	P	6	(1)	17	(3)	104	(17)	19	(3)	29	(5)	43	(7)	0	(0)	5	(1)	89	(15)	16	(3)	222	(36)	45	(7)	15	(2)	0	(0)	610	(6.8)
	Q	3	(1)	18	(5)	6	(2)	11	(3)	22	(6)	20	(5)	0	(0)	0	(0)	80	(22)	1	(0)	167	(46)	22	(6)	16	(4)	0	(0)	366	(4.1)
	R	2	(1)	4	(1)	38	(11)	11	(3)	24	(7)	21	(6)	0	(0)	0	(0)	81	(24)	1	(0)	127	(38)	16	(5)	8	(2)	0	(0)	333	(3.7)
	S	0	(0)	0	(0)	3	(2)	3	(2)	3	(2)	12	(9)	0	(0)	1	(1)	24	(18)	0	(0)	67	(51)	10	(8)	9	(7)	0	(0)	132	(1.5)
	T	5	(2)	1	(0)	7	(2)	7	(2)	11	(4)	37	(13)	0	(0)	1	(0)	63	(22)	13	(4)	122	(42)	12	(4)	13	(4)	0	(0)	292	(3.2)
	U	12	(5)	0	(0)	20	(8)	16	(6)	3	(1)	32	(12)	0	(0)	0	(0)	58	(22)	0	(0)	110	(42)	2	(1)	9	(3)	3	(1)	265	(2.9)
	V	10	(2)	21	(3)	160	(26)	19	(3)	61	(10)	35	(6)	2	(0)	5	(1)	83	(13)	17	(3)	133	(22)	35	(6)	37	(6)	0	(0)	618	(6.9)
	W	9	(2)	2	(0)	94	(22)	11	(3)	17	(4)	32	(7)	0	(0)	1	(0)	87	(20)	8	(2)	147	(34)	11	(3)	11	(3)	0	(0)	430	(4.8)
	X	4	(1)	13	(3)	105	(22)	16	(3)	24	(5)	42	(9)	1	(0)	4	(1)	64	(13)	2	(0)	159	(33)	13	(3)	19	(4)	21	(4)	487	(5.4)
	Y	3	(1)	3	(1)	8	(3)	6	(3)	3	(1)	41	(18)	3	(1)	0	(0)	35	(15)	3	(1)	102	(44)	8	(3)	14	(6)	1	(0)	230	(2.6)
	Z	17	(6)	4	(1)	5	(2)	7	(2)	13	(5)	21	(7)	0	(0)	0	(0)	47	(16)	3	(1)	135	(47)	20	(7)	14	(5)	0	(0)	286	(3.2)
	ZA	1	(0)	1	(0)	45	(12)	15	(4)	5	(1)	83	(22)	0	(0)	3	(1)	79	(21)	24	(6)	88	(24)	7	(2)	22	(6)	0	(0)	373	(4.2)
	ZB	0	(0)	2	(1)	22	(14)	8	(5)	5	(3)	14	(9)	0	(0)	0	(0)	36	(23)	5	(3)	49	(32)	4	(3)	10	(6)	0	(0)	155	(1.7)
2008 Total		**147**	**(1.6)**	**139**	**(1.5)**	**1,254**	**(14.0)**	**331**	**(3.7)**	**441**	**(4.9)**	**827**	**(9.2)**	**8**	**(0.1)**	**40**	**(0.4)**	**1,537**	**(17.1)**	**180**	**(2.0)**	**3,197**	**(35.6)**	**418**	**(4.7)**	**406**	**(4.5)**	**61**	**(0.7)**	**8,986**	
2009	A	5	(2)	4	(1)	13	(4)	13	(4)	17	(6)	24	(8)	0	(0)	6	(2)	66	(23)	15	(5)	94	(32)	21	(7)	15	(5)	0	(0)	293	(3.2)
	B	5	(2)	0	(0)	9	(3)	27	(10)	21	(8)	28	(11)	0	(0)	0	(0)	35	(13)	1	(0)	122	(47)	5	(2)	8	(3)	0	(0)	261	(2.8)
	C	1	(0)	1	(0)	12	(5)	6	(2)	6	(2)	40	(16)	0	(0)	5	(2)	48	(20)	2	(1)	93	(38)	15	(6)	14	(6)	0	(0)	243	(2.6)
	D	1	(0)	0	(0)	21	(5)	26	(6)	10	(2)	48	(12)	1	(0)	2	(0)	60	(15)	3	(1)	190	(46)	26	(6)	21	(5)	0	(0)	409	(4.4)
	E1	12	(2)	32	(4)	72	(10)	33	(5)	64	(9)	42	(6)	0	(0)	1	(0)	119	(16)	14	(2)	253	(35)	47	(6)	36	(5)	0	(0)	725	(7.8)
	E2	1	(1)	3	(2)	115	(66)	4	(2)	0	(0)	3	(2)	0	(0)	0	(0)	0	(0)	1	(1)	45	(26)	0	(0)	1	(1)	0	(0)	173	(1.9)
	F	5	(1)	3	(0)	132	(21)	25	(4)	10	(2)	78	(12)	0	(0)	4	(1)	65	(10)	0	(0)	289	(45)	7	(1)	21	(3)	2	(0)	641	(6.9)
	G	0	(0)	0	(0)	2	(7)	1	(3)	0	(0)	2	(7)	0	(0)	0	(0)	12	(41)	0	(0)	9	(31)	1	(3)	2	(7)	0	(0)	29	(0.3)
	H	8	(2)	1	(0)	11	(3)	13	(4)	36	(11)	26	(8)	0	(0)	1	(0)	68	(21)	9	(3)	108	(33)	21	(6)	21	(6)	4	(1)	327	(3.5)
	I	4	(1)	1	(0)	47	(15)	7	(2)	12	(4)	32	(10)	0	(0)	0	(0)	49	(15)	4	(1)	126	(40)	19	(6)	8	(3)	8	(3)	317	(3.4)
	J	1	(2)	0	(0)	3	(5)	9	(15)	7	(12)	3	(5)	0	(0)	0	(0)	4	(7)	0	(0)	29	(48)	3	(5)	0	(0)	1	(2)	60	(0.6)
	K	9	(2)	4	(1)	55	(14)	16	(4)	34	(9)	45	(11)	0	(0)	6	(2)	45	(11)	12	(3)	126	(32)	18	(5)	23	(6)	1	(0)	394	(4.3)
	L	2	(1)	0	(0)	11	(5)	10	(5)	6	(3)	11	(5)	0	(0)	1	(0)	49	(22)	0	(0)	117	(53)	8	(4)	7	(3)	0	(0)	222	(2.4)
	M	0	(0)	4	(2)	17	(7)	11	(5)	8	(3)	28	(12)	0	(0)	1	(0)	34	(14)	5	(2)	101	(43)	18	(8)	9	(4)	0	(0)	236	(2.6)
	N	0	(0)	2	(1)	19	(11)	10	(6)	6	(4)	5	(3)	0	(0)	0	(0)	35	(21)	0	(0)	68	(41)	13	(8)	8	(5)	0	(0)	166	(1.8)
	O	0	(0)	0	(0)	65	(63)	0	(0)	0	(0)	5	(5)	0	(0)	1	(1)	2	(2)	0	(0)	27	(26)	0	(0)	0	(0)	4	(4)	104	(1.1)
	P	2	(0)	24	(4)	125	(21)	9	(2)	30	(5)	65	(11)	6	(1)	4	(1)	76	(13)	9	(2)	202	(34)	27	(5)	18	(3)	0	(0)	597	(6.5)
	Q	1	(0)	25	(7)	10	(3)	12	(4)	29	(9)	37	(11)	2	(1)	1	(0)	40	(12)	7	(2)	132	(39)	23	(7)	15	(4)	1	(0)	335	(3.6)
	R	3	(1)	6	(2)	45	(12)	9	(2)	34	(9)	32	(8)	0	(0)	0	(0)	77	(20)	3	(1)	149	(39)	14	(4)	9	(2)	0	(0)	381	(4.1)
	S	0	(0)	0	(0)	3	(3)	2	(2)	2	(2)	11	(10)	0	(0)	0	(0)	14	(13)	0	(0)	63	(57)	10	(9)	5	(5)	0	(0)	110	(1.2)
	T	5	(2)	2	(1)	7	(2)	6	(2)	15	(5)	35	(12)	0	(0)	1	(0)	62	(21)	18	(6)	124	(41)	16	(5)	10	(3)	1	(0)	302	(3.3)
	U	16	(5)	0	(0)	12	(4)	18	(6)	7	(2)	32	(11)	0	(0)	0	(0)	63	(22)	0	(0)	112	(38)	1	(0)	16	(5)	16	(5)	293	(3.2)
	V	10	(1)	19	(3)	140	(20)	29	(4)	59	(8)	35	(5)	2	(0)	4	(1)	112	(16)	16	(2)	209	(30)	27	(4)	41	(6)	0	(0)	703	(7.6)
	W	6	(2)	0	(0)	85	(24)	10	(3)	11	(3)	25	(7)	1	(0)	1	(0)	75	(21)	3	(1)	133	(37)	5	(1)	3	(1)	0	(0)	358	(3.9)
	X	4	(1)	4	(1)	103	(22)	10	(2)	21	(5)	40	(9)	0	(0)	3	(1)	46	(10)	3	(1)	166	(36)	10	(2)	19	(4)	36	(8)	465	(5.0)
	Y	0	(0)	3	(2)	8	(5)	2	(1)	5	(3)	23	(14)	0	(0)	0	(0)	28	(16)	3	(2)	67	(39)	22	(13)	8	(5)	1	(1)	170	(1.8)
	Z	4	(2)	1	(0)	4	(2)	16	(7)	26	(11)	16	(7)	0	(0)	0	(0)	31	(13)	5	(2)	110	(46)	12	(5)	14	(6)	0	(0)	239	(2.6)
	ZA	4	(1)	2	(1)	44	(12)	14	(4)	6	(2)	82	(22)	1	(0)	2	(1)	66	(17)	16	(4)	121	(32)	5	(1)	18	(5)	0	(0)	381	(4.1)
	ZB	4	(1)	2	(1)	20	(6)	15	(5)	6	(2)	24	(8)	0	(0)	0	(0)	57	(18)	4	(1)	129	(42)	16	(5)	6	(2)	27	(9)	310	(3.4)
2009 Total		**113**	**(1.2)**	**143**	**(1.5)**	**1,210**	**(13.1)**	**363**	**(3.9)**	**488**	**(5.3)**	**877**	**(9.5)**	**13**	**(0.1)**	**44**	**(0.5)**	**1,438**	**(15.6)**	**153**	**(1.7)**	**3,514**	**(38.0)**	**410**	**(4.4)**	**376**	**(4.1)**	**102**	**(1.1)**	**9,244**	
Grand Total		**372**	**(1.4)**	**428**	**(1.6)**	**3,686**	**(13.8)**	**1,019**	**(3.8)**	**1,324**	**(4.9)**	**2,384**	**(8.9)**	**40**	**(0.1)**	**137**	**(0.5)**	**4,317**	**(16.1)**	**496**	**(1.9)**	**9,981**	**(37.2)**	**1,274**	**(4.8)**	**1,134**	**(4.2)**	**209**	**(0.8)**	**26,801**	

Table 23 Most commonly returned Read Codes for primary reason for admission, 2007 - 2009

Primary Diagnosis	Sex								Total	
	Male		Female		Ambiguous		Unknown			
	n	%	n	%	n	%	n	%	n	%
Ventricular septal defect (P54..)	712	(51)	676	(49)	0	(0)	0	(0)	**1,388**	**(7.9)**
Respiratory failure (XM09V)	590	(55)	475	(45)	0	(0)	0	(0)	**1,065**	**(6.1)**
Tetralogy of Fallot (P52..)	616	(60)	411	(40)	0	(0)	0	(0)	**1,027**	**(5.9)**
Status epilepticus (X007B)	547	(56)	435	(44)	1	(0)	1	(0)	**984**	**(5.6)**
Sepsis (X70VZ)	493	(52)	461	(48)	1	(0)	1	(0)	**956**	**(5.5)**
Discordant ventriculoarterial connection (P51..)	650	(68)	300	(32)	0	(0)	0	(0)	**950**	**(5.4)**
Bronchiolitis (XSDOK)	555	(60)	367	(40)	0	(0)	0	(0)	**922**	**(5.3)**
Acute bronchiolitis due to respiratory syncytial virus (H0615)	522	(58)	382	(42)	2	(0)	0	(0)	**906**	**(5.2)**
Atrioventricular septal defect & common atriovent junction (X77wc)	368	(44)	467	(56)	0	(0)	0	(0)	**835**	**(4.8)**
Hypoplastic left heart syndrome (P67..)	534	(64)	295	(36)	0	(0)	0	(0)	**829**	**(4.7)**
Pneumonia (X100E)	413	(55)	334	(45)	0	(0)	0	(0)	**747**	**(4.3)**
Aortic coarctation (P71..)	435	(60)	286	(40)	0	(0)	0	(0)	**721**	**(4.1)**
Atrial septal defect (X77vY)	262	(41)	370	(59)	0	(0)	0	(0)	**632**	**(3.6)**
Injury of head region (XA003)	429	(70)	182	(30)	0	(0)	0	(0)	**611**	**(3.5)**
Acute bronchiolitis (H061.)	339	(57)	255	(43)	0	(0)	0	(0)	**594**	**(3.4)**
Acquired scoliosis (X70D3)	198	(35)	368	(65)	0	(0)	0	(0)	**566**	**(3.2)**
Meningococcal septicaemia (A362.)	291	(56)	229	(44)	0	(0)	0	(0)	**520**	**(3.0)**
Acute lower respiratory tract infection (XE0Xt)	270	(55)	221	(45)	1	(0)	0	(0)	**492**	**(2.8)**
Patent ductus arteriosus (P70..)	223	(47)	253	(53)	0	(0)	0	(0)	**476**	**(2.7)**
Acute laryngotracheobronchitis (Xa0lW)	281	(70)	122	(30)	0	(0)	0	(0)	**403**	**(2.3)**
Asthma (H33..)	221	(56)	172	(44)	0	(0)	0	(0)	**393**	**(2.2)**
Obstructive sleep apnoea (X0084)	255	(65)	137	(35)	1	(0)	0	(0)	**393**	**(2.2)**
Gastroschisis (PG71.)	197	(51)	186	(49)	0	(0)	0	(0)	**383**	**(2.2)**
Neonatal necrotising enterocolitis (Q464.)	216	(56)	166	(43)	1	(0)	0	(0)	**383**	**(2.2)**
Intracranial tumour (X78Zl)	176	(48)	188	(52)	0	(0)	0	(0)	**364**	**(2.1)**
Total	**9,793**	**(55.8)**	**7,738**	**(44.1)**	**7**	**(0.0)**	**2**	**(0.0)**	**17,540**	

Table 24 Most commonly returned Read Codes for primary reason for 'unplanned - following surgery' admissions, 2007 - 2009

Primary Diagnosis	Sex									
	Male		Female		Ambiguous		Unknown		Total	
	n	%	n	%	n	%	n	%	n	%
Hypoplastic left heart syndrome (P67..)	46	(64)	26	(36)	0	(0)	0	(0)	**72**	**(9.7)**
Obstructive sleep apnoea (X0084)	30	(65)	16	(35)	0	(0)	0	(0)	**46**	**(6.2)**
Obstruction of intestine (X305B)	19	(42)	25	(56)	1	(2)	0	(0)	**45**	**(6.1)**
Empyema (XaE01)	20	(44)	25	(56)	0	(0)	0	(0)	**45**	**(6.1)**
Intussusception (J500.)	30	(73)	11	(27)	0	(0)	0	(0)	**41**	**(5.5)**
Discordant ventriculoarterial connection (P51..)	27	(71)	11	(29)	0	(0)	0	(0)	**38**	**(5.1)**
Ventricular septal defect (P54..)	20	(53)	18	(47)	0	(0)	0	(0)	**38**	**(5.1)**
Injury of head region (XA003)	25	(74)	9	(26)	0	(0)	0	(0)	**34**	**(4.6)**
Sepsis (X70VZ)	18	(55)	15	(45)	0	(0)	0	(0)	**33**	**(4.5)**
Appendicitis (Xa9C4)	14	(45)	17	(55)	0	(0)	0	(0)	**31**	**(4.2)**
Respiratory failure (XM09V)	16	(57)	12	(43)	0	(0)	0	(0)	**28**	**(3.8)**
Gastroschisis (PG71.)	16	(62)	10	(38)	0	(0)	0	(0)	**26**	**(3.5)**
Gastro-oesophageal reflux disease (X3003)	12	(48)	13	(52)	0	(0)	0	(0)	**25**	**(3.4)**
Hydrocephalus (X00EG)	17	(71)	7	(29)	0	(0)	0	(0)	**24**	**(3.2)**
Pneumonia (X100E)	15	(63)	9	(38)	0	(0)	0	(0)	**24**	**(3.2)**
Hirschsprung's disease (PB30.)	16	(70)	7	(30)	0	(0)	0	(0)	**23**	**(3.1)**
Malrotation of intestine (X305T)	13	(59)	9	(41)	0	(0)	0	(0)	**22**	**(3.0)**
Atrioventricular septal defect & common atriovent junction (X77wc)	9	(43)	12	(57)	0	(0)	0	(0)	**21**	**(2.8)**
Subglottic stenosis (X00nG)	15	(75)	5	(25)	0	(0)	0	(0)	**20**	**(2.7)**
Head injury NOS (XA004)	13	(68)	6	(32)	0	(0)	0	(0)	**19**	**(2.6)**
Laryngomalacia (H1y7B)	12	(67)	6	(33)	0	(0)	0	(0)	**18**	**(2.4)**
Neonatal necrotising enterocolitis (Q464.)	12	(71)	5	(29)	0	(0)	0	(0)	**17**	**(2.3)**
Sleep apnoea (X0083)	10	(59)	7	(41)	0	(0)	0	(0)	**17**	**(2.3)**
Factitious asthma (X102C)	11	(69)	5	(31)	0	(0)	0	(0)	**16**	**(2.2)**
Acquired scoliosis (X70D3)	9	(56)	7	(44)	0	(0)	0	(0)	**16**	**(2.2)**
Total	**445**	**(60.2)**	**293**	**(39.6)**	**1**	**(0.1)**	**0**	**(0.0)**	**739**	

Table 25 Most commonly returned Read Codes for primary reason for 'unplanned - other' admission, 2007 - 2009

Primary Diagnosis	Sex									
	Male		Female		Ambiguous		Unknown		Total	
	n	%	n	%	n	%	n	%	n	%
Respiratory failure (XM09V)	530	(55)	433	(45)	0	(0)	0	(0)	**963**	**(8.4)**
Status epilepticus (X007B)	529	(56)	417	(44)	1	(0)	1	(0)	**948**	**(8.3)**
Bronchiolitis (XSDOK)	538	(60)	355	(40)	0	(0)	0	(0)	**893**	**(7.8)**
Acute bronchiolitis due to respiratory syncytial virus (H0615)	501	(57)	370	(42)	2	(0)	0	(0)	**873**	**(7.6)**
Sepsis (X70VZ)	450	(52)	420	(48)	1	(0)	1	(0)	**872**	**(7.6)**
Pneumonia (X100E)	370	(54)	309	(46)	0	(0)	0	(0)	**679**	**(5.9)**
Acute bronchiolitis (H061.)	324	(57)	245	(43)	0	(0)	0	(0)	**569**	**(5.0)**
Injury of head region (XA003)	386	(70)	168	(30)	0	(0)	0	(0)	**554**	**(4.9)**
Meningococcal septicaemia (A362.)	286	(56)	224	(44)	0	(0)	0	(0)	**510**	**(4.5)**
Acute lower respiratory tract infection (XE0Xt)	253	(56)	196	(44)	1	(0)	0	(0)	**450**	**(3.9)**
Acute laryngotracheobronchitis (Xa0lW)	267	(69)	118	(31)	0	(0)	0	(0)	**385**	**(3.4)**
Asthma (H33..)	207	(56)	165	(44)	0	(0)	0	(0)	**372**	**(3.3)**
Febrile convulsion (XM03l)	198	(56)	158	(44)	0	(0)	0	(0)	**356**	**(3.1)**
Discordant ventriculoarterial connection (P51..)	211	(72)	83	(28)	0	(0)	0	(0)	**294**	**(2.6)**
Diabetic ketoacidosis (C101.)	124	(43)	166	(57)	0	(0)	0	(0)	**290**	**(2.5)**
Status asthmaticus (X102D)	157	(55)	126	(44)	0	(0)	1	(0)	**284**	**(2.5)**
Hypoplastic left heart syndrome (P67..)	175	(68)	83	(32)	0	(0)	0	(0)	**258**	**(2.3)**
Neonatal necrotising enterocolitis (Q464.)	146	(57)	109	(43)	1	(0)	0	(0)	**256**	**(2.2)**
Infection of lower respiratory tract (X1004)	140	(55)	115	(45)	0	(0)	0	(0)	**255**	**(2.2)**
Exacerbation of asthma (Xa1hD)	130	(52)	121	(48)	0	(0)	0	(0)	**251**	**(2.2)**
Aspiration pneumonitis (H47..)	131	(55)	107	(45)	0	(0)	0	(0)	**238**	**(2.1)**
Isolated seizures (X006i)	134	(57)	100	(43)	0	(0)	0	(0)	**234**	**(2.0)**
Cardiac arrest (XE0V5)	127	(58)	92	(42)	0	(0)	0	(0)	**219**	**(1.9)**
Respiratory syncytial virus infection (Xa0BK)	117	(54)	100	(46)	0	(0)	0	(0)	**217**	**(1.9)**
Respiratory arrest (XM09W)	128	(66)	67	(34)	0	(0)	0	(0)	**195**	**(1.7)**
Total	**6,559**	**(57.5)**	**4,847**	**(42.5)**	**6**	**(0.1)**	**3**	**(0.0)**	**11,415**	

Table 26 Retrievals by team type and age, 2007 - 2009

Retrieval Team	Age Group (Years) <1 n	<1 %	1-4 n	1-4 %	5-10 n	5-10 %	11-15 n	11-15 %	Total n	Total %
Own team	4,126	(51)	2,257	(28)	1,000	(12)	781	(10)	**8,164**	**(48.6)**
Other specialist team (PICU)	2,760	(56)	1,088	(22)	549	(11)	494	(10)	**4,891**	**(29.1)**
Other specialist team (non-PICU)	1,765	(73)	235	(10)	180	(7)	230	(10)	**2,410**	**(14.3)**
Non-specialist team	593	(47)	261	(20)	185	(15)	235	(18)	**1,274**	**(7.6)**
Unknown	32	(52)	12	(19)	8	(13)	10	(16)	**62**	**(0.4)**
Total	**9,276**	**(55.2)**	**3,853**	**(22.9)**	**1,922**	**(11.4)**	**1,750**	**(10.4)**	**16,801**	

Figure 26 Retrievals by team type, 2007 - 2009

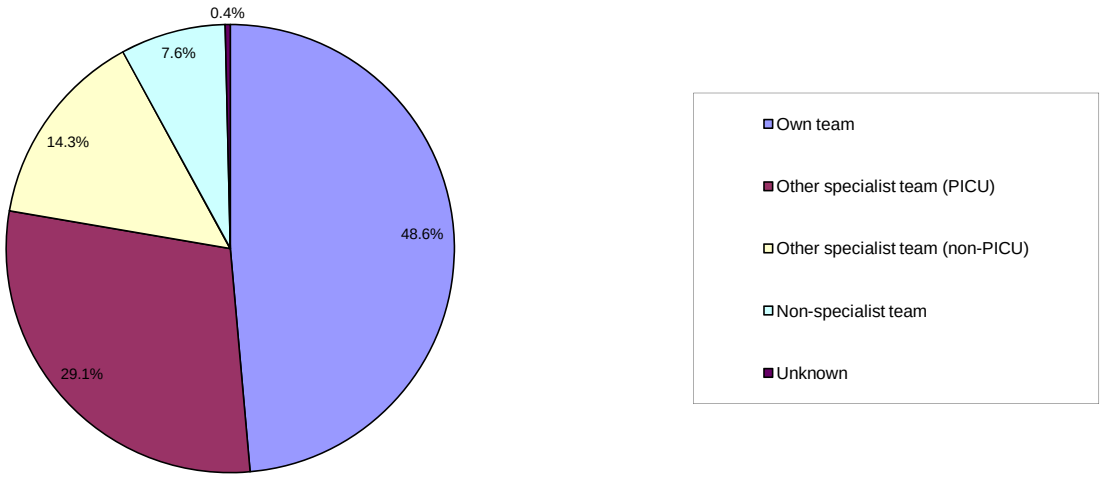


Table 27 'Non-specialist team' retrievals by diagnostic group and age, 2007 - 2009

Diagnostic Group	Age Group (Years) <1		1-4		5-10		11-15		Total	
	n	%	n	%	n	%	n	%	n	%
Blood / lymphatic	7	(30)	7	(30)	6	(26)	3	(13)	**23**	**(1.8)**
Body wall and cavities	22	(92)	0	(0)	1	(4)	1	(4)	**24**	**(1.9)**
Cardiovascular	124	(77)	15	(9)	6	(4)	17	(10)	**162**	**(12.7)**
Endocrine / metabolic	17	(43)	6	(15)	6	(15)	11	(28)	**40**	**(3.1)**
Gastrointestinal	106	(77)	13	(9)	7	(5)	12	(9)	**138**	**(10.8)**
Infection	38	(57)	13	(19)	10	(15)	6	(9)	**67**	**(5.3)**
Multisystem	1	(50)	0	(0)	0	(0)	1	(50)	**2**	**(0.2)**
Musculoskeletal	3	(33)	4	(44)	2	(22)	0	(0)	**9**	**(0.7)**
Neurological	57	(25)	68	(30)	48	(21)	55	(24)	**228**	**(17.9)**
Oncology	11	(31)	8	(22)	6	(17)	11	(31)	**36**	**(2.8)**
Respiratory	153	(50)	82	(27)	33	(11)	35	(12)	**303**	**(23.8)**
Trauma	16	(10)	34	(20)	49	(29)	69	(41)	**168**	**(13.2)**
Other	34	(51)	8	(12)	11	(16)	14	(21)	**67**	**(5.3)**
Unknown	4	(57)	3	(43)	0	(0)	0	(0)	**7**	**(0.5)**
Total	**593**	**(46.5)**	**261**	**(20.5)**	**185**	**(14.5)**	**235**	**(18.4)**	**1,274**	

Table 28 Retrievals by retrieval type by NHS trust, 2007 - 2009

Admission year	NHS Trust	Retrieval Team: Own team n	%	Other specialist team (PICU) n	%	Other specialist team (non-PICU) n	%	Non-specialist team n	%	Unknown n	%	Total n	%
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**	**(6.6)**
	E1	13	(3)	368	(79)	4	(1)	80	(17)	1	(0)	**466**	**(8.7)**
	E2	1	(1)	99	(73)	0	(0)	35	(26)	0	(0)	**135**	**(2.5)**
	F	463	(78)	113	(19)	13	(2)	5	(1)	0	(0)	**594**	**(11.1)**
	G	0	(0)	0	(0)	0	(0)	1	(100)	0	(0)	**1**	**-**
	H	6	(6)	85	(81)	9	(9)	5	(5)	0	(0)	**105**	**(2.0)**
	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**	**(3.1)**
	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**	**(5.3)**
	S	3	(9)	8	(25)	14	(44)	7	(22)	0	(0)	**32**	**(0.6)**
	T	0	(0)	109	(94)	4	(3)	2	(2)	1	(1)	**116**	**(2.2)**
	U	9	(3)	262	(95)	3	(1)	1	(0)	0	(0)	**275**	**(5.1)**
	V	138	(53)	29	(11)	68	(26)	25	(10)	0	(0)	**260**	**(4.9)**
	W	220	(86)	4	(2)	6	(2)	22	(9)	4	(2)	**256**	**(4.8)**
	X	199	(65)	33	(11)	57	(19)	6	(2)	11	(4)	**306**	**(5.7)**
	Y	124	(82)	6	(4)	16	(11)	6	(4)	0	(0)	**152**	**(2.8)**
	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		**2,724**	**(50.9)**	**1,399**	**(26.2)**	**845**	**(15.8)**	**361**	**(6.8)**	**18**	**(0.3)**	5,347	
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**	**(2.4)**
	D	195	(64)	26	(9)	40	(13)	44	(14)	0	(0)	**305**	**(5.4)**
	E1	59	(10)	484	(80)	8	(1)	48	(8)	3	(0)	**602**	**(10.7)**
	E2	36	(25)	97	(67)	1	(1)	11	(8)	0	(0)	**145**	**(2.6)**
	F	425	(82)	71	(14)	9	(2)	14	(3)	0	(0)	**519**	**(9.2)**
	H	7	(4)	120	(76)	5	(3)	25	(16)	0	(0)	**157**	**(2.8)**
	I	147	(66)	19	(9)	48	(22)	9	(4)	0	(0)	**223**	**(3.9)**
	J	1	(50)	0	(0)	1	(50)	0	(0)	0	(0)	**2**	**-**
	K	133	(41)	57	(17)	94	(29)	42	(13)	1	(0)	**327**	**(5.8)**
	L	125	(83)	2	(1)	23	(15)	0	(0)	0	(0)	**150**	**(2.7)**
	M	74	(69)	11	(10)	15	(14)	8	(7)	0	(0)	**108**	**(1.9)**
	N	54	(72)	5	(7)	12	(16)	3	(4)	1	(1)	**75**	**(1.3)**
	O	0	(0)	153	(96)	6	(4)	0	(0)	0	(0)	**159**	**(2.8)**
	P	225	(63)	18	(5)	73	(20)	41	(11)	0	(0)	**357**	**(6.3)**
	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**	**(4.6)**
	S	3	(8)	4	(11)	22	(61)	7	(19)	0	(0)	**36**	**(0.6)**
	T	9	(5)	160	(90)	4	(2)	4	(2)	0	(0)	**177**	**(3.1)**
	U	4	(2)	203	(97)	3	(1)	0	(0)	0	(0)	**210**	**(3.7)**
	V	161	(55)	23	(8)	80	(27)	27	(9)	0	(0)	**291**	**(5.2)**
	W	198	(87)	5	(2)	6	(3)	15	(7)	3	(1)	**227**	**(4.0)**
	X	211	(64)	57	(17)	51	(16)	7	(2)	2	(1)	**328**	**(5.8)**
	Y	135	(84)	6	(4)	15	(9)	5	(3)	0	(0)	**161**	**(2.9)**
	Z	35	(36)	21	(22)	10	(10)	29	(30)	2	(2)	**97**	**(1.7)**
	ZA	113	(89)	5	(4)	2	(2)	4	(3)	3	(2)	**127**	**(2.2)**
	ZB	15	(11)	4	(3)	63	(46)	54	(40)	0	(0)	**136**	**(2.4)**
2008 Total		**2,815**	**(49.9)**	**1,661**	**(29.4)**	**718**	**(12.7)**	**436**	**(7.7)**	**16**	**(0.3)**	5,646	
2009	**A**	22	(15)	88	(59)	32	(22)	0	(0)	6	(4)	**148**	**(2.5)**
	B	12	(24)	5	(10)	22	(44)	11	(22)	0	(0)	**50**	**(0.9)**
	C	138	(90)	8	(5)	4	(3)	4	(3)	0	(0)	**154**	**(2.7)**
	D	160	(57)	25	(9)	27	(10)	70	(25)	0	(0)	**282**	**(4.9)**
	E1	14	(2)	516	(84)	8	(1)	77	(13)	1	(0)	**616**	**(10.6)**
	E2	27	(22)	79	(65)	1	(1)	15	(12)	0	(0)	**122**	**(2.1)**
	F	447	(84)	68	(13)	6	(1)	8	(2)	1	(0)	**530**	**(9.1)**
	G	1	(50)	0	(0)	0	(0)	1	(50)	0	(0)	**2**	**-**
	H	6	(2)	176	(71)	5	(2)	62	(25)	0	(0)	**249**	**(4.3)**
	I	136	(65)	23	(11)	44	(21)	7	(3)	0	(0)	**210**	**(3.6)**
	J	0	(0)	5	(50)	4	(40)	1	(10)	0	(0)	**10**	**(0.2)**
	K	136	(47)	54	(18)	65	(22)	36	(12)	1	(0)	**292**	**(5.0)**
	L	79	(53)	43	(29)	26	(18)	0	(0)	0	(0)	**148**	**(2.5)**
	M	79	(66)	18	(15)	19	(16)	3	(3)	0	(0)	**119**	**(2.0)**
	N	62	(67)	12	(13)	10	(11)	7	(8)	1	(1)	**92**	**(1.6)**
	O	0	(0)	173	(100)	0	(0)	0	(0)	0	(0)	**173**	**(3.0)**
	P	193	(52)	18	(5)	153	(41)	9	(2)	0	(0)	**373**	**(6.4)**
	Q	96	(54)	14	(8)	59	(33)	9	(5)	1	(1)	**179**	**(3.1)**
	R	218	(71)	11	(4)	59	(19)	18	(6)	0	(0)	**306**	**(5.3)**
	S	3	(8)	9	(23)	21	(54)	6	(15)	0	(0)	**39**	**(0.7)**
	T	2	(1)	145	(85)	11	(6)	12	(7)	0	(0)	**170**	**(2.9)**
	U	4	(2)	223	(98)	1	(0)	0	(0)	0	(0)	**228**	**(3.9)**
	V	213	(63)	18	(5)	92	(27)	15	(4)	0	(0)	**338**	**(5.8)**
	W	151	(80)	11	(6)	11	(6)	13	(7)	2	(1)	**188**	**(3.2)**
	X	173	(60)	51	(18)	52	(18)	9	(3)	5	(2)	**290**	**(5.0)**
	Y	100	(75)	4	(3)	24	(18)	4	(3)	1	(1)	**133**	**(2.3)**
	Z	28	(29)	23	(24)	15	(16)	26	(27)	4	(4)	**96**	**(1.7)**
	ZA	103	(85)	9	(7)	4	(3)	0	(0)	5	(4)	**121**	**(2.1)**
	ZB	22	(15)	2	(1)	72	(48)	54	(36)	0	(0)	**150**	**(2.6)**
2009 Total		**2,625**	**(45.2)**	**1,831**	**(31.5)**	**847**	**(14.6)**	**477**	**(8.2)**	**28**	**(0.5)**	5,808	
Grand Total		**8,164**	**(48.6)**	**4,891**	**(29.1)**	**2,410**	**(14.3)**	**1,274**	**(7.6)**	**62**	**(0.4)**	16,801	

Table 29 Interventions received by NHS trust, 2007 - 2009

Admission year	NHS Trust	Intervention: Invasive Ventilation n	%	Non-Invasive Ventilation n	%	Tracheostomy n	%	ECMO n	%	IV Vasoactive Drugs n	%	LVAD n	%	ICP Device n	%	Renal Support n	%	Admissions n	%
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)**
	E1	668	(84)	71	(9)	44	(6)	7	(1)	244	(31)	2	(0)	52	(7)	23	(3)	**792**	**(5.1)**
	E2	585	(84)	58	(8)	17	(2)	42	(6)	476	(68)	9	(1)	0	(0)	37	(5)	**695**	**(4.5)**
	F	750	(63)	152	(13)	18	(2)	0	(0)	399	(33)	0	(0)	0	(0)	29	(2)	**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	192	(64)	18	(6)	3	(1)	1	(0)	37	(12)	0	(0)	15	(5)	19	(6)	**301**	**(1.9)**
	I	610	(68)	70	(8)	23	(3)	4	(0)	336	(37)	0	(0)	22	(2)	70	(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	599	(64)	97	(10)	50	(5)	21	(2)	315	(34)	18	(2)	13	(1)	49	(5)	**935**	**(6.0)**
	L	177	(50)	95	(27)	6	(2)	0	(0)	46	(13)	0	(0)	2	(1)	4	(1)	**355**	**(2.3)**
	M	188	(54)	50	(14)	13	(4)	0	(0)	57	(16)	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)	**639**	**(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**	**(4.6)**
	S	77	(41)	37	(19)	3	(2)	0	(0)	19	(10)	0	(0)	6	(3)	0	(0)	**190**	**(1.2)**
	T	165	(43)	30	(8)	0	(0)	0	(0)	18	(5)	0	(0)	11	(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	973	(85)	457	(40)	7	(1)	0	(0)	614	(53)	0	(0)	46	(4)	57	(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	520	(71)	98	(13)	14	(2)	48	(7)	259	(36)	0	(0)	0	(0)	32	(4)	**728**	**(4.7)**
	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		**10,316**	**(66.1)**	**2,331**	**(14.9)**	**369**	**(2.4)**	**151**	**(1.0)**	**4,981**	**(31.9)**	**33**	**(0.2)**	**376**	**(2.4)**	**536**	**(3.4)**	**15,608**	
2008	**A**	203	(43)	21	(4)	10	(2)	0	(0)	55	(12)	0	(0)	20	(4)	3	(1)	**470**	**(2.9)**
	B	27	(9)	24	(8)	7	(2)	0	(0)	4	(1)	0	(0)	0	(0)	0	(0)	**285**	**(1.8)**
	C	261	(85)	49	(16)	5	(2)	0	(0)	56	(18)	0	(0)	10	(3)	9	(3)	**307**	**(1.9)**
	D	474	(72)	102	(16)	28	(4)	0	(0)	154	(23)	0	(0)	47	(7)	14	(2)	**656**	**(4.0)**
	E1	771	(86)	133	(15)	29	(3)	3	(0)	273	(31)	0	(0)	32	(4)	38	(4)	**892**	**(5.5)**
	E2	524	(78)	62	(9)	17	(3)	32	(5)	437	(65)	6	(1)	0	(0)	24	(4)	**670**	**(4.1)**
	F	957	(83)	141	(12)	22	(2)	2	(0)	433	(37)	0	(0)	0	(0)	46	(4)	**1,156**	**(7.1)**
	G	24	(75)	3	(9)	0	(0)	0	(0)	7	(22)	0	(0)	3	(9)	0	(0)	**32**	**(0.2)**
	H	156	(40)	21	(5)	0	(0)	7	(2)	48	(12)	0	(0)	9	(2)	14	(4)	**392**	**(2.4)**
	I	596	(72)	84	(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	594	(65)	119	(13)	32	(3)	22	(2)	304	(33)	9	(1)	21	(2)	56	(6)	**919**	**(5.6)**
	L	162	(51)	96	(30)	3	(1)	0	(0)	62	(19)	0	(0)	1	(0)	1	(0)	**319**	**(2.0)**
	M	209	(58)	45	(13)	13	(4)	0	(0)	62	(17)	0	(0)	19	(5)	22	(6)	**360**	**(2.2)**
	N	255	(85)	46	(15)	8	(3)	0	(0)	67	(22)	2	(1)	11	(4)	12	(4)	**300**	**(1.8)**
	O	447	(73)	113	(19)	0	(0)	6	(1)	341	(56)	1	(0)	0	(0)	18	(3)	**610**	**(3.7)**
	P	868	(78)	63	(6)	18	(2)	4	(0)	419	(38)	1	(0)	25	(2)	22	(2)	**1,112**	**(6.8)**
	Q	283	(50)	81	(14)	10	(2)	0	(0)	78	(14)	0	(0)	23	(4)	3	(1)	**571**	**(3.5)**
	R	543	(79)	128	(19)	3	(0)	2	(0)	221	(32)	0	(0)	28	(4)	16	(2)	**684**	**(4.2)**
	S	72	(37)	27	(14)	4	(2)	0	(0)	14	(7)	0	(0)	1	(1)	0	(0)	**196**	**(1.2)**
	T	213	(45)	36	(8)	1	(0)	0	(0)	43	(9)	0	(0)	14	(3)	6	(1)	**475**	**(2.9)**
	U	231	(77)	68	(23)	0	(0)	0	(0)	106	(35)	0	(0)	1	(0)	15	(5)	**301**	**(1.8)**
	V	960	(87)	464	(42)	7	(1)	5	(0)	600	(54)	0	(0)	42	(4)	40	(4)	**1,102**	**(6.8)**
	W	533	(73)	206	(28)	10	(1)	1	(0)	363	(50)	0	(0)	17	(2)	50	(7)	**731**	**(4.5)**
	X	527	(69)	70	(9)	9	(1)	52	(7)	229	(30)	0	(0)	0	(0)	21	(3)	**761**	**(4.7)**
	Y	232	(51)	67	(15)	5	(1)	0	(0)	47	(10)	0	(0)	7	(2)	1	(0)	**453**	**(2.8)**
	Z	69	(18)	79	(20)	8	(2)	0	(0)	10	(3)	0	(0)	3	(1)	0	(0)	**393**	**(2.4)**
	ZA	514	(56)	22	(2)	18	(2)	13	(1)	274	(30)	1	(0)	6	(1)	13	(1)	**924**	**(5.7)**
	ZB	164	(64)	26	(10)	7	(3)	0	(0)	37	(14)	0	(0)	9	(4)	5	(2)	**257**	**(1.6)**
2008 Total		**10,741**	**(66.0)**	**2,398**	**(14.7)**	**294**	**(1.8)**	**150**	**(0.9)**	**5,104**	**(31.3)**	**21**	**(0.1)**	**370**	**(2.3)**	**499**	**(3.1)**	**16,284**	
2009	**A**	208	(39)	28	(5)	7	(1)	0	(0)	68	(13)	0	(0)	13	(2)	0	(0)	**527**	**(2.9)**
	B	21	(5)	43	(9)	5	(1)	0	(0)	3	(1)	1	(0)	0	(0)	0	(0)	**456**	**(2.5)**
	C	300	(87)	43	(13)	5	(1)	0	(0)	56	(16)	0	(0)	8	(2)	6	(2)	**343**	**(1.9)**
	D	432	(61)	103	(15)	17	(2)	0	(0)	148	(21)	0	(0)	41	(6)	11	(2)	**707**	**(3.9)**
	E1	839	(88)	159	(17)	38	(4)	3	(0)	300	(31)	0	(0)	40	(4)	28	(3)	**954**	**(5.3)**
	E2	508	(76)	48	(7)	11	(2)	37	(6)	440	(66)	5	(1)	1	(0)	27	(4)	**666**	**(3.7)**
	F	961	(83)	152	(13)	18	(2)	0	(0)	2	(0)	0	(0)	0	(0)	1	(0)	**1,151**	**(6.4)**
	G	24	(75)	4	(13)	1	(3)	0	(0)	1	(3)	0	(0)	3	(9)	0	(0)	**32**	**(0.2)**
	H	168	(29)	30	(5)	0	(0)	0	(0)	30	(5)	0	(0)	22	(4)	5	(1)	**572**	**(3.2)**
	I	582	(73)	109	(14)	27	(3)	0	(0)	335	(42)	3	(0)	21	(3)	28	(3)	**802**	**(4.5)**
	J	28	(24)	6	(5)	1	(1)	0	(0)	4	(3)	0	(0)	0	(0)	0	(0)	**117**	**(0.7)**
	K	584	(65)	93	(10)	34	(4)	20	(2)	325	(36)	18	(2)	12	(1)	54	(6)	**896**	**(5.0)**
	L	150	(49)	78	(26)	1	(0)	0	(0)	43	(14)	0	(0)	0	(0)	1	(0)	**305**	**(1.7)**
	M	229	(67)	54	(16)	9	(3)	0	(0)	73	(21)	0	(0)	15	(4)	13	(4)	**343**	**(1.9)**
	N	300	(87)	69	(20)	1	(0)	0	(0)	125	(36)	1	(0)	17	(5)	12	(3)	**345**	**(1.9)**
	O	539	(78)	168	(24)	0	(0)	3	(0)	407	(59)	0	(0)	0	(0)	25	(4)	**693**	**(3.9)**
	P	888	(81)	74	(7)	15	(1)	2	(0)	425	(39)	1	(0)	17	(2)	25	(2)	**1,103**	**(6.2)**
	Q	265	(60)	68	(15)	11	(2)	0	(0)	66	(15)	0	(0)	19	(4)	7	(2)	**444**	**(2.5)**
	R	581	(79)	95	(13)	4	(1)	1	(0)	252	(34)	0	(0)	13	(2)	29	(4)	**740**	**(4.1)**
	S	69	(40)	31	(18)	3	(2)	0	(0)	18	(11)	0	(0)	7	(4)	0	(0)	**171**	**(1.0)**
	T	227	(46)	41	(8)	0	(0)	0	(0)	54	(11)	0	(0)	17	(3)	8	(2)	**494**	**(2.8)**
	U	243	(73)	89	(27)	1	(0)	0	(0)	92	(27)	0	(0)	0	(0)	12	(4)	**335**	**(1.9)**
	V	1,118	(85)	504	(38)	3	(0)	7	(1)	692	(53)	0	(0)	26	(2)	55	(4)	**1,314**	**(7.3)**
	W	474	(76)	186	(30)	20	(3)	2	(0)	331	(53)	0	(0)	15	(2)	40	(6)	**623**	**(3.5)**
	X	541	(69)	83	(11)	9	(1)	51	(6)	268	(34)	0	(0)	0	(0)	29	(4)	**785**	**(4.4)**
	Y	208	(52)	40	(10)	14	(3)	0	(0)	38	(9)	0	(0)	18	(4)	2	(0)	**401**	**(2.2)**
	Z	57	(14)	84	(21)	4	(1)	0	(0)	9	(2)	0	(0)	1	(0)	0	(0)	**395**	**(2.2)**
	ZA	511	(56)	26	(3)	13	(1)	17	(2)	293	(32)	2	(0)	5	(1)	13	(1)	**920**	**(5.1)**
	ZB	251	(53)	46	(10)	6	(1)	0	(0)	49	(10)	0	(0)	8	(2)	5	(1)	**477**	**(2.7)**
2009 Total		**11,306**	**(66.1)**	**2,512**	**(14.7)**	**278**	**(1.6)**	**143**	**(0.9)**	**4,947**	**(28.9)**	**31**	**(0.2)**	**339**	**(1.9)**	**436**	**(2.6)**	**17,111**	
Grand Total		**32,363**	**(66.0)**	**7,241**	**(14.8)**	**941**	**(1.9)**	**454**	**(0.9)**	**15,032**	**(30.7)**	**85**	**(0.2)**	**1,085**	**(2.2)**	**1,471**	**(3.0)**	**49,003**	

Table 30 Admissions by ventilation status and age, 2007 - 2009

Ventilation Status	Age Group (Years)								Total	
	<1		1-4		5-10		11-15			
	n	%	n	%	n	%	n	%	n	%
Invasive only	13,065	(49)	7,168	(27)	3,309	(12)	2,988	(11)	**26,530**	**(54.1)**
Non-invasive only	1,200	(53)	420	(19)	314	(14)	321	(14)	**2,255**	**(4.6)**
Both	3,128	(64)	881	(18)	449	(9)	418	(9)	**4,876**	**(10.0)**
Neither	5,598	(37)	4,231	(28)	2,506	(16)	2,883	(19)	**15,218**	**(31.1)**
Unknown	49	(40)	30	(24)	26	(21)	19	(15)	**124**	**(0.3)**
Total	**23,040**	**(47.0)**	**12,730**	**(26.0)**	**6,604**	**(13.5)**	**6,629**	**(13.5)**	**49,003**	

Table 31 Admissions by ventilation status by NHS trust, 2007 - 2009

Admission year	NHS Trust	Ventilation Status: Invasive only n	%	Non-invasive only n	%	Both n	%	Neither n	%	Unknown n	%	Total n	%
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)**
	E1	626	(79)	29	(4)	42	(5)	95	(12)	0	(0)	**792**	**(5.1)**
	E2	538	(77)	11	(2)	47	(7)	99	(14)	0	(0)	**695**	**(4.5)**
	F	629	(53)	31	(3)	121	(10)	416	(35)	0	(0)	**1,197**	**(7.7)**
	G	38	(84)	1	(2)	4	(9)	2	(4)	0	(0)	**45**	**(0.3)**
	H	181	(60)	7	(2)	11	(4)	95	(32)	7	(2)	**301**	**(1.9)**
	I	559	(62)	19	(2)	51	(6)	272	(30)	0	(0)	**901**	**(5.8)**
	J	18	(15)	11	(9)	4	(3)	86	(72)	0	(0)	**119**	**(0.8)**
	K	530	(57)	28	(3)	69	(7)	304	(33)	4	(0)	**935**	**(6.0)**
	L	141	(40)	59	(17)	36	(10)	119	(34)	0	(0)	**355**	**(2.3)**
	M	156	(45)	18	(5)	32	(9)	143	(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)	169	(26)	0	(0)	**639**	**(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**	**(4.6)**
	S	64	(34)	24	(13)	13	(7)	89	(47)	0	(0)	**190**	**(1.2)**
	T	149	(39)	14	(4)	16	(4)	206	(54)	0	(0)	**385**	**(2.5)**
	U	234	(64)	19	(5)	58	(16)	56	(15)	0	(0)	**367**	**(2.4)**
	V	594	(52)	78	(7)	379	(33)	100	(9)	0	(0)	**1,151**	**(7.4)**
	W	380	(55)	33	(5)	149	(22)	127	(18)	0	(0)	**689**	**(4.4)**
	X	448	(62)	26	(4)	72	(10)	173	(24)	9	(1)	**728**	**(4.7)**
	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		**8,688**	**(55.7)**	**703**	**(4.5)**	**1,628**	**(10.4)**	**4,562**	**(29.2)**	**27**	**(0.2)**	**15,608**	
2008	**A**	189	(40)	7	(1)	14	(3)	260	(55)	0	(0)	**470**	**(2.9)**
	B	25	(9)	22	(8)	2	(1)	236	(83)	0	(0)	**285**	**(1.8)**
	C	221	(72)	9	(3)	40	(13)	37	(12)	0	(0)	**307**	**(1.9)**
	D	404	(61)	32	(5)	70	(11)	150	(23)	0	(0)	**656**	**(4.0)**
	E1	671	(75)	33	(4)	100	(11)	88	(10)	0	(0)	**892**	**(5.5)**
	E2	472	(70)	10	(1)	52	(8)	136	(20)	0	(0)	**670**	**(4.1)**
	F	841	(73)	25	(2)	116	(10)	174	(15)	0	(0)	**1,156**	**(7.1)**
	G	21	(66)	0	(0)	3	(9)	8	(25)	0	(0)	**32**	**(0.2)**
	H	146	(37)	11	(3)	10	(3)	225	(57)	0	(0)	**392**	**(2.4)**
	I	544	(66)	32	(4)	52	(6)	186	(22)	13	(2)	**827**	**(5.1)**
	J	14	(11)	18	(14)	8	(6)	89	(69)	0	(0)	**129**	**(0.8)**
	K	510	(55)	35	(4)	84	(9)	288	(31)	2	(0)	**919**	**(5.6)**
	L	125	(39)	59	(18)	37	(12)	98	(31)	0	(0)	**319**	**(2.0)**
	M	182	(51)	18	(5)	27	(8)	133	(37)	0	(0)	**360**	**(2.2)**
	N	218	(73)	9	(3)	37	(12)	36	(12)	0	(0)	**300**	**(1.8)**
	O	369	(60)	35	(6)	78	(13)	128	(21)	0	(0)	**610**	**(3.7)**
	P	823	(74)	18	(2)	45	(4)	226	(20)	0	(0)	**1,112**	**(6.8)**
	Q	236	(41)	34	(6)	47	(8)	254	(44)	0	(0)	**571**	**(3.5)**
	R	447	(65)	32	(5)	96	(14)	109	(16)	0	(0)	**684**	**(4.2)**
	S	66	(34)	21	(11)	6	(3)	103	(53)	0	(0)	**196**	**(1.2)**
	T	196	(41)	19	(4)	17	(4)	243	(51)	0	(0)	**475**	**(2.9)**
	U	185	(61)	22	(7)	46	(15)	48	(16)	0	(0)	**301**	**(1.8)**
	V	557	(51)	61	(6)	403	(37)	81	(7)	0	(0)	**1,102**	**(6.8)**
	W	374	(51)	47	(6)	159	(22)	151	(21)	0	(0)	**731**	**(4.5)**
	X	480	(63)	23	(3)	47	(6)	200	(26)	11	(1)	**761**	**(4.7)**
	Y	194	(43)	29	(6)	38	(8)	192	(42)	0	(0)	**453**	**(2.8)**
	Z	62	(16)	72	(18)	7	(2)	252	(64)	0	(0)	**393**	**(2.4)**
	ZA	503	(54)	11	(1)	11	(1)	398	(43)	1	(0)	**924**	**(5.7)**
	ZB	148	(58)	10	(4)	16	(6)	83	(32)	0	(0)	**257**	**(1.6)**
2008 Total		**9,091**	**(55.8)**	**748**	**(4.6)**	**1,650**	**(10.1)**	**4,768**	**(29.3)**	**27**	**(0.2)**	**16,284**	
2009	**A**	197	(37)	17	(3)	11	(2)	302	(57)	0	(0)	**527**	**(2.9)**
	B	18	(4)	40	(9)	3	(1)	395	(87)	0	(0)	**456**	**(2.5)**
	C	263	(77)	6	(2)	37	(11)	32	(9)	5	(1)	**343**	**(1.9)**
	D	376	(53)	47	(7)	56	(8)	228	(32)	0	(0)	**707**	**(3.9)**
	E1	709	(74)	29	(3)	130	(14)	86	(9)	0	(0)	**954**	**(5.3)**
	E2	469	(70)	9	(1)	39	(6)	149	(22)	0	(0)	**666**	**(3.7)**
	F	854	(74)	25	(2)	107	(9)	165	(14)	0	(0)	**1,151**	**(6.4)**
	G	23	(72)	3	(9)	1	(3)	5	(16)	0	(0)	**32**	**(0.2)**
	H	158	(28)	20	(3)	10	(2)	384	(67)	0	(0)	**572**	**(3.2)**
	I	517	(64)	44	(5)	65	(8)	176	(22)	0	(0)	**802**	**(4.5)**
	J	27	(23)	5	(4)	1	(1)	81	(69)	3	(3)	**117**	**(0.7)**
	K	520	(58)	29	(3)	64	(7)	281	(31)	2	(0)	**896**	**(5.0)**
	L	127	(42)	55	(18)	23	(8)	100	(33)	0	(0)	**305**	**(1.7)**
	M	200	(58)	25	(7)	29	(8)	89	(26)	0	(0)	**343**	**(1.9)**
	N	243	(70)	12	(3)	57	(17)	33	(10)	0	(0)	**345**	**(1.9)**
	O	406	(59)	35	(5)	133	(19)	119	(17)	0	(0)	**693**	**(3.9)**
	P	844	(77)	30	(3)	44	(4)	185	(17)	0	(0)	**1,103**	**(6.2)**
	Q	212	(48)	15	(3)	53	(12)	164	(37)	0	(0)	**444**	**(2.5)**
	R	507	(69)	21	(3)	74	(10)	138	(19)	0	(0)	**740**	**(4.1)**
	S	60	(35)	22	(13)	9	(5)	80	(47)	0	(0)	**171**	**(1.0)**
	T	204	(41)	18	(4)	23	(5)	249	(50)	0	(0)	**494**	**(2.8)**
	U	191	(57)	37	(11)	52	(16)	55	(16)	0	(0)	**335**	**(1.9)**
	V	714	(54)	100	(8)	404	(31)	96	(7)	0	(0)	**1,314**	**(7.3)**
	W	331	(53)	43	(7)	143	(23)	106	(17)	0	(0)	**623**	**(3.5)**
	X	483	(62)	25	(3)	58	(7)	214	(27)	5	(1)	**785**	**(4.4)**
	Y	181	(45)	13	(3)	27	(7)	180	(45)	0	(0)	**401**	**(2.2)**
	Z	41	(10)	68	(17)	16	(4)	270	(68)	0	(0)	**395**	**(2.2)**
	ZA	500	(54)	15	(2)	11	(1)	394	(43)	0	(0)	**920**	**(5.1)**
	ZB	226	(47)	21	(4)	25	(5)	150	(31)	55	(12)	**477**	**(2.7)**
2009 Total		**9,601**	**(56.1)**	**829**	**(4.8)**	**1,705**	**(10.0)**	**4,906**	**(28.7)**	**70**	**(0.4)**	**17,111**	
Grand Total		**27,380**	**(55.9)**	**2,284**	**(4.7)**	**4,957**	**(10.1)**	**14,236**	**(29.1)**	**124**	**(0.3)**	**49,003**	

Figure 31a Percentage of children receiving invasive ventilation by SHA / HB in Great Britain, 2007-09

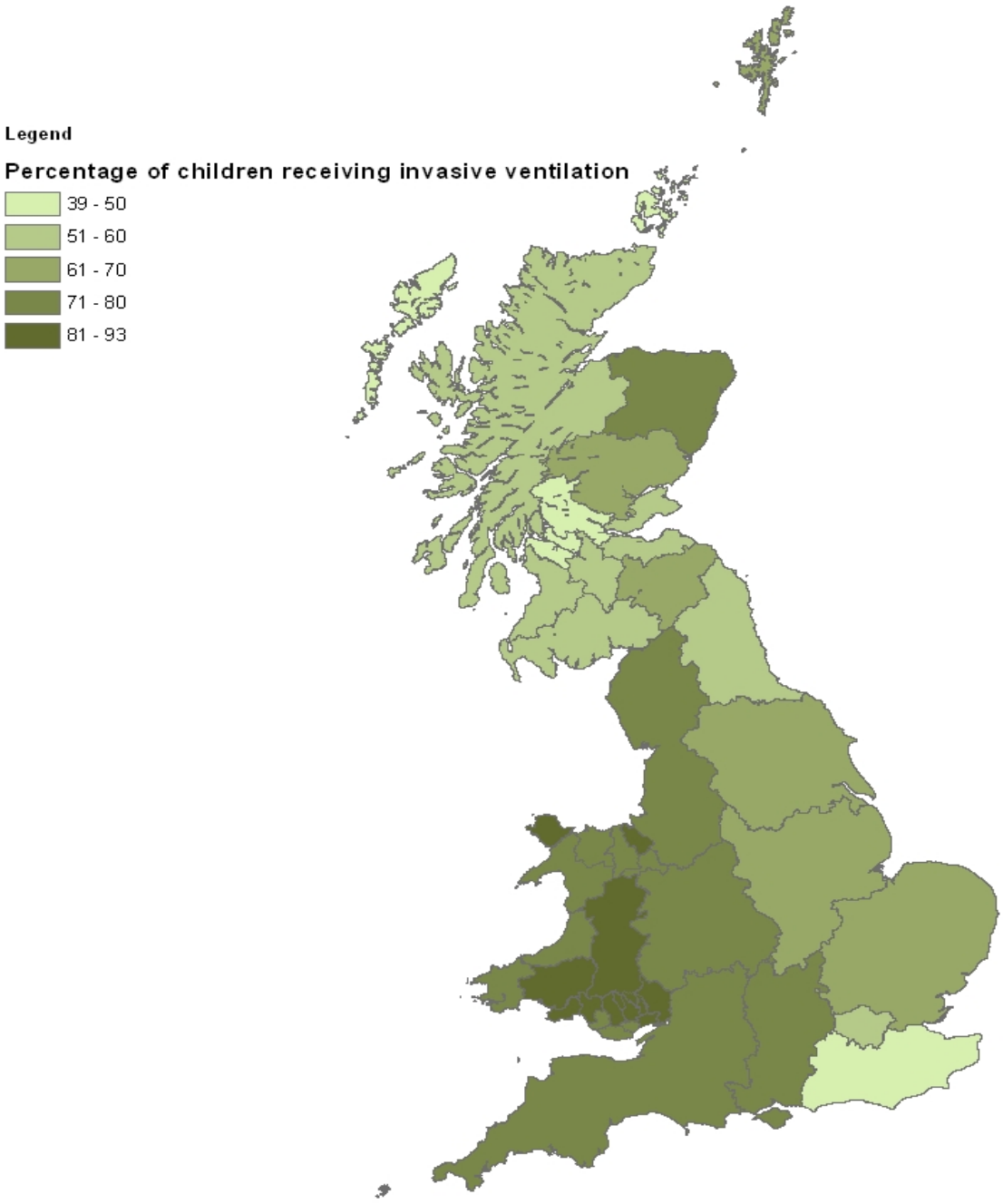


Figure 31b Percentage of children receiving invasive ventilation by PCO in Great Britain, 2007-09

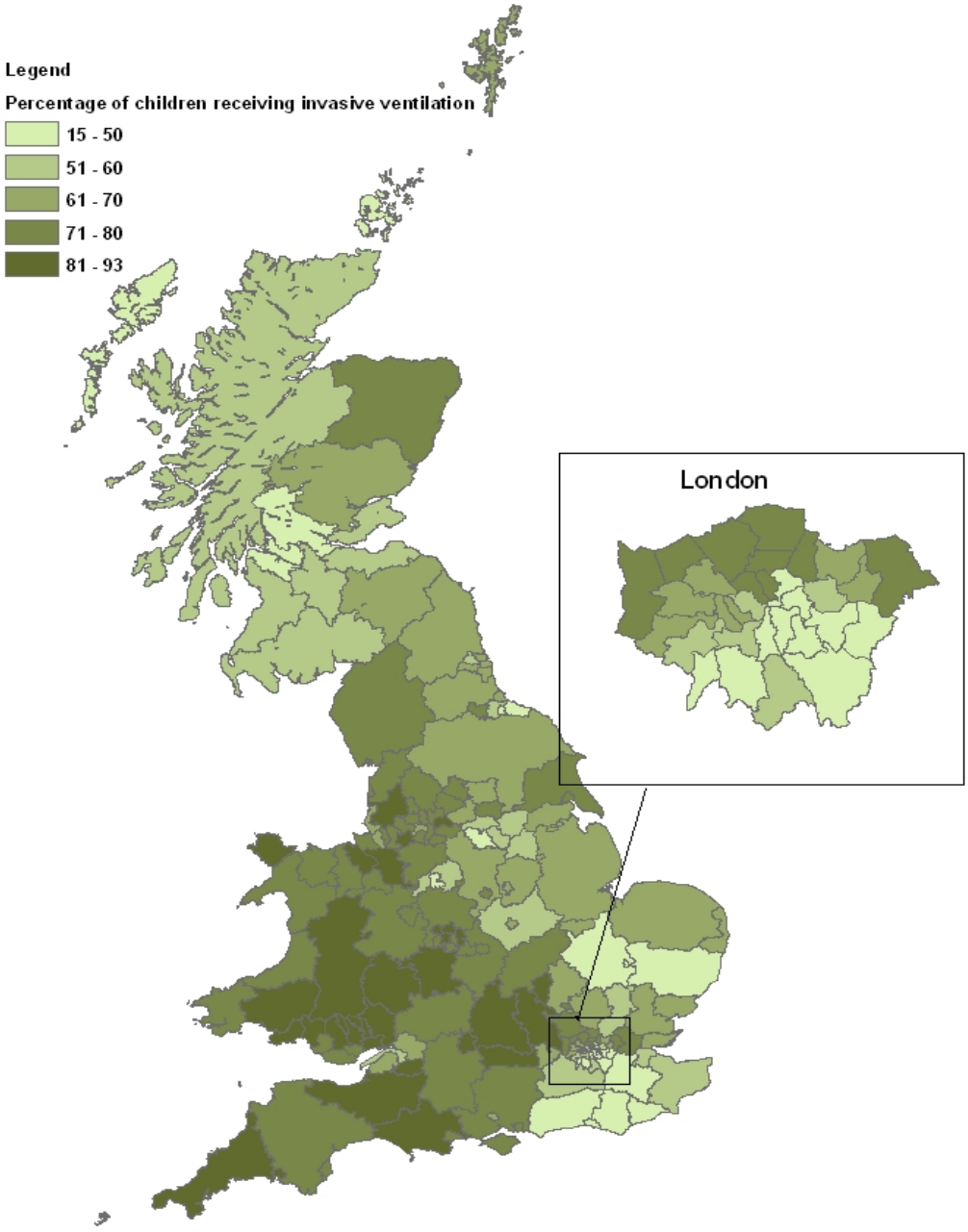


Table 32 Bed days by age and sex, 2007 - 2009

Age (Years)	Sex								Total	
	Male		Female		Ambiguous		Unknown			
	n	%	n	%	n	%	n	%	n	%
0	91,151	(57)	68,038	(43)	70	(0)	44	(0)	**159,303**	**(56.3)**
1	16,210	(54)	13,578	(46)	0	(0)	3	(0)	**29,791**	**(10.5)**
2	8,040	(55)	6,508	(45)	0	(0)	8	(0)	**14,556**	**(5.1)**
3	5,503	(54)	4,718	(46)	7	(0)	0	(0)	**10,228**	**(3.6)**
4	4,526	(57)	3,383	(43)	0	(0)	2	(0)	**7,911**	**(2.8)**
5	3,617	(57)	2,755	(43)	0	(0)	3	(0)	**6,375**	**(2.3)**
6	2,775	(57)	2,106	(43)	5	(0)	0	(0)	**4,886**	**(1.7)**
7	2,381	(54)	1,993	(46)	0	(0)	2	(0)	**4,376**	**(1.5)**
8	2,452	(54)	2,097	(46)	7	(0)	2	(0)	**4,558**	**(1.6)**
9	2,386	(53)	2,141	(47)	0	(0)	0	(0)	**4,527**	**(1.6)**
10	2,945	(54)	2,537	(46)	0	(0)	0	(0)	**5,482**	**(1.9)**
11	2,477	(52)	2,250	(47)	7	(0)	3	(0)	**4,737**	**(1.7)**
12	2,537	(46)	3,023	(54)	0	(0)	0	(0)	**5,560**	**(2.0)**
13	3,452	(49)	3,589	(51)	0	(0)	1	(0)	**7,042**	**(2.5)**
14	3,616	(53)	3,144	(47)	0	(0)	0	(0)	**6,760**	**(2.4)**
15	3,343	(50)	3,324	(50)	0	(0)	7	(0)	**6,674**	**(2.4)**
Total	**157,411**	**(55.7)**	**125,184**	**(44.3)**	**96**	**(0.0)**	**75**	**(0.0)**	**282,766**	

Figure 32 Bed days by age and sex, 2007 - 2009

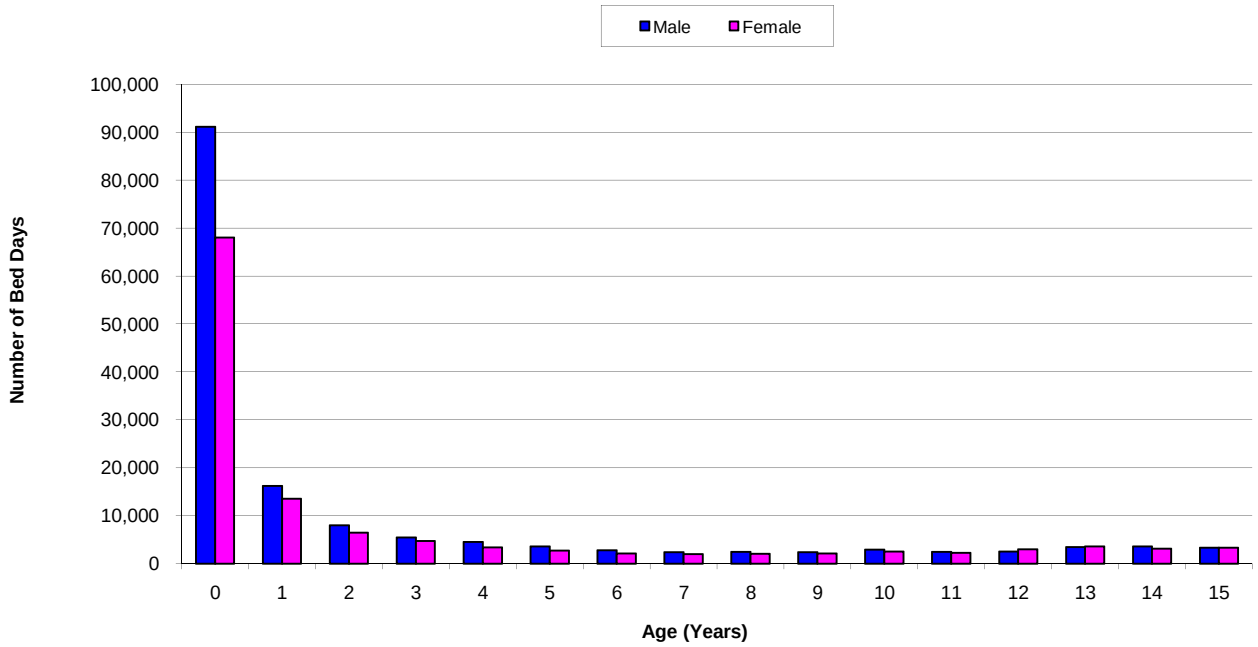


Table 33 Bed days by age by NHS trust, 2007 - 2009

Admission year	NHS Trust	Age Group (Years) <1 n	<1 %	1-4 n	1-4 %	5-10 n	5-10 %	11-15 n	11-15 %	Total n	Total %
2007	A	1,133	(46)	420	(17)	274	(11)	631	(26)	**2,458**	**(2.8)**
	B	256	(51)	99	(20)	72	(14)	73	(15)	**500**	**(0.6)**
	C	873	(54)	382	(23)	169	(10)	203	(12)	**1,627**	**(1.9)**
	D	1,862	(46)	1,226	(30)	461	(11)	539	(13)	**4,088**	**(4.7)**
	E1	3,550	(66)	844	(16)	522	(10)	466	(9)	**5,382**	**(6.2)**
	E2	2,645	(58)	1,246	(27)	326	(7)	351	(8)	**4,568**	**(5.2)**
	F	3,719	(64)	1,084	(19)	407	(7)	580	(10)	**5,790**	**(6.6)**
	G	35	(22)	73	(47)	23	(15)	25	(16)	**156**	**(0.2)**
	H	665	(35)	537	(28)	458	(24)	230	(12)	**1,890**	**(2.2)**
	I	2,967	(58)	1,142	(22)	469	(9)	567	(11)	**5,145**	**(5.9)**
	J	123	(47)	67	(26)	22	(8)	48	(18)	**260**	**(0.3)**
	K	3,796	(65)	1,150	(20)	404	(7)	522	(9)	**5,872**	**(6.7)**
	L	646	(45)	340	(24)	231	(16)	220	(15)	**1,437**	**(1.6)**
	M	878	(50)	354	(20)	251	(14)	279	(16)	**1,762**	**(2.0)**
	N	947	(53)	421	(23)	163	(9)	262	(15)	**1,793**	**(2.1)**
	O	3,215	(76)	616	(15)	182	(4)	197	(5)	**4,210**	**(4.8)**
	P	3,592	(63)	1,186	(21)	441	(8)	464	(8)	**5,683**	**(6.5)**
	Q	1,824	(51)	613	(17)	676	(19)	443	(12)	**3,556**	**(4.1)**
	R	1,775	(58)	592	(19)	342	(11)	374	(12)	**3,083**	**(3.5)**
	S	288	(33)	193	(22)	112	(13)	285	(32)	**878**	**(1.0)**
	T	751	(34)	718	(33)	305	(14)	409	(19)	**2,183**	**(2.5)**
	U	1,048	(41)	987	(38)	268	(10)	268	(10)	**2,571**	**(2.9)**
	V	3,444	(52)	1,677	(25)	813	(12)	737	(11)	**6,671**	**(7.6)**
	W	2,717	(59)	787	(17)	512	(11)	554	(12)	**4,570**	**(5.2)**
	X	2,199	(60)	764	(21)	274	(7)	430	(12)	**3,667**	**(4.2)**
	Y	1,160	(51)	391	(17)	244	(11)	494	(22)	**2,289**	**(2.6)**
	Z	839	(52)	403	(25)	188	(12)	169	(11)	**1,599**	**(1.8)**
	ZA	1,760	(47)	1,195	(32)	478	(13)	328	(9)	**3,761**	**(4.3)**
2007 Total		**48,707**	**(55.7)**	**19,507**	**(22.3)**	**9,087**	**(10.4)**	**10,148**	**(11.6)**	**87,449**	
2008	A	746	(32)	932	(40)	330	(14)	331	(14)	**2,339**	**(2.4)**
	B	435	(34)	422	(33)	170	(13)	264	(20)	**1,291**	**(1.3)**
	C	639	(44)	365	(25)	191	(13)	255	(18)	**1,450**	**(1.5)**
	D	2,323	(52)	936	(21)	529	(12)	653	(15)	**4,441**	**(4.6)**
	E1	3,991	(67)	1,065	(18)	410	(7)	485	(8)	**5,951**	**(6.2)**
	E2	3,348	(72)	687	(15)	286	(6)	354	(8)	**4,675**	**(4.8)**
	F	3,783	(62)	1,447	(24)	398	(7)	434	(7)	**6,062**	**(6.3)**
	G	34	(49)	6	(9)	7	(10)	22	(32)	**69**	**-**
	H	859	(42)	581	(28)	371	(18)	230	(11)	**2,041**	**(2.1)**
	I	2,641	(49)	1,384	(25)	554	(10)	861	(16)	**5,440**	**(5.6)**
	J	130	(51)	47	(19)	45	(18)	32	(13)	**254**	**(0.3)**
	K	3,727	(64)	1,151	(20)	481	(8)	429	(7)	**5,788**	**(6.0)**
	L	926	(53)	335	(19)	247	(14)	226	(13)	**1,734**	**(1.8)**
	M	567	(34)	494	(30)	303	(18)	303	(18)	**1,667**	**(1.7)**
	N	1,232	(65)	450	(24)	122	(6)	106	(6)	**1,910**	**(2.0)**
	O	3,452	(82)	522	(12)	146	(3)	97	(2)	**4,217**	**(4.4)**
	P	3,098	(53)	1,501	(26)	463	(8)	808	(14)	**5,870**	**(6.1)**
	Q	1,281	(45)	682	(24)	511	(18)	389	(14)	**2,863**	**(3.0)**
	R	1,766	(60)	548	(19)	283	(10)	359	(12)	**2,956**	**(3.1)**
	S	512	(48)	138	(13)	257	(24)	169	(16)	**1,076**	**(1.1)**
	T	593	(29)	772	(38)	378	(18)	303	(15)	**2,046**	**(2.1)**
	U	967	(45)	675	(31)	394	(18)	122	(6)	**2,158**	**(2.2)**
	V	4,611	(62)	1,521	(21)	637	(9)	636	(9)	**7,405**	**(7.7)**
	W	2,229	(50)	1,207	(27)	609	(14)	422	(9)	**4,467**	**(4.6)**
	X	3,859	(61)	1,323	(21)	907	(14)	274	(4)	**6,363**	**(6.6)**
	Y	957	(39)	528	(21)	349	(14)	643	(26)	**2,477**	**(2.6)**
	Z	655	(39)	368	(22)	473	(28)	189	(11)	**1,685**	**(1.7)**
	ZA	3,956	(65)	1,168	(19)	514	(8)	477	(8)	**6,115**	**(6.3)**
	ZB	1,025	(64)	248	(16)	153	(10)	168	(11)	**1,594**	**(1.7)**
2008 Total		**54,342**	**(56.4)**	**21,503**	**(22.3)**	**10,518**	**(10.9)**	**10,041**	**(10.4)**	**96,404**	
2009	A	990	(40)	561	(23)	386	(16)	511	(21)	**2,448**	**(2.5)**
	B	752	(39)	629	(32)	270	(14)	293	(15)	**1,944**	**(2.0)**
	C	775	(49)	402	(26)	133	(8)	259	(17)	**1,569**	**(1.6)**
	D	1,702	(40)	1,288	(30)	602	(14)	710	(17)	**4,302**	**(4.3)**
	E1	4,086	(67)	1,089	(18)	512	(8)	383	(6)	**6,070**	**(6.1)**
	E2	2,931	(66)	621	(14)	364	(8)	495	(11)	**4,411**	**(4.5)**
	F	3,805	(62)	1,338	(22)	553	(9)	462	(8)	**6,158**	**(6.2)**
	G	25	(28)	21	(23)	4	(4)	40	(44)	**90**	**-**
	H	1,267	(34)	1,335	(35)	651	(17)	525	(14)	**3,778**	**(3.8)**
	I	2,523	(59)	869	(20)	425	(10)	461	(11)	**4,278**	**(4.3)**
	J	127	(56)	50	(22)	27	(12)	24	(11)	**228**	**(0.2)**
	K	3,648	(62)	1,145	(20)	494	(8)	569	(10)	**5,856**	**(5.9)**
	L	947	(57)	327	(20)	198	(12)	179	(11)	**1,651**	**(1.7)**
	M	843	(50)	370	(22)	194	(12)	278	(16)	**1,685**	**(1.7)**
	N	1,035	(56)	363	(20)	193	(11)	247	(13)	**1,838**	**(1.9)**
	O	3,358	(75)	638	(14)	321	(7)	163	(4)	**4,480**	**(4.5)**
	P	3,825	(64)	1,110	(19)	610	(10)	441	(7)	**5,986**	**(6.1)**
	Q	1,162	(49)	471	(20)	330	(14)	421	(18)	**2,384**	**(2.4)**
	R	2,025	(55)	1,039	(28)	283	(8)	340	(9)	**3,687**	**(3.7)**
	S	748	(58)	290	(23)	131	(10)	118	(9)	**1,287**	**(1.3)**
	T	678	(29)	757	(33)	431	(19)	456	(20)	**2,322**	**(2.3)**
	U	871	(42)	619	(30)	331	(16)	258	(12)	**2,079**	**(2.1)**
	V	4,458	(62)	1,591	(22)	657	(9)	498	(7)	**7,204**	**(7.3)**
	W	3,218	(65)	786	(16)	473	(10)	466	(9)	**4,943**	**(5.0)**
	X	2,963	(64)	795	(17)	314	(7)	591	(13)	**4,663**	**(4.7)**
	Y	1,114	(47)	422	(18)	353	(15)	488	(21)	**2,377**	**(2.4)**
	Z	872	(50)	308	(18)	349	(20)	225	(13)	**1,754**	**(1.8)**
	ZA	2,904	(54)	1,292	(24)	662	(12)	524	(10)	**5,382**	**(5.4)**
	ZB	2,602	(64)	950	(23)	348	(9)	159	(4)	**4,059**	**(4.1)**
2009 Total		**56,254**	**(56.9)**	**21,476**	**(21.7)**	**10,599**	**(10.7)**	**10,584**	**(10.7)**	**98,913**	
Grand Total		**159,303**	**(56.3)**	**62,486**	**(22.1)**	**30,204**	**(10.7)**	**30,773**	**(10.9)**	**282,766**	

Table 34 Bed census by month, 2007 - 2009

Year	Month	Number in PICU Median	IQR
2007	**1**	212	203-218
	2	219	206-225
	3	201	193-207
	4	201	193-210
	5	195	184-207
	6	199	187-208
	7	184	175-195
	8	186	173-194
	9	182	173-191
	10	215	208-222
	11	228	219-234
	12	231	224-240
2008	**1**	222	214-234
	2	200	190-206
	3	203	192-210
	4	210	203-219
	5	215	203-222
	6	212	206-217
	7	214	209-223
	8	196	189-202
	9	205	193-215
	10	223	216-231
	11	262	253-267
	12	268	257-275
2009	**1**	253	243-257
	2	237	230.5-248.5
	3	237	230-250
	4	241	227-251
	5	226	218-239
	6	230	220-241
	7	224	213-229
	8	220	209-227
	9	219	209-230
	10	232	219-238
	11	246	235-259
	12	275	265-282

Figure 34 Bed census by month, 2007 - 2009

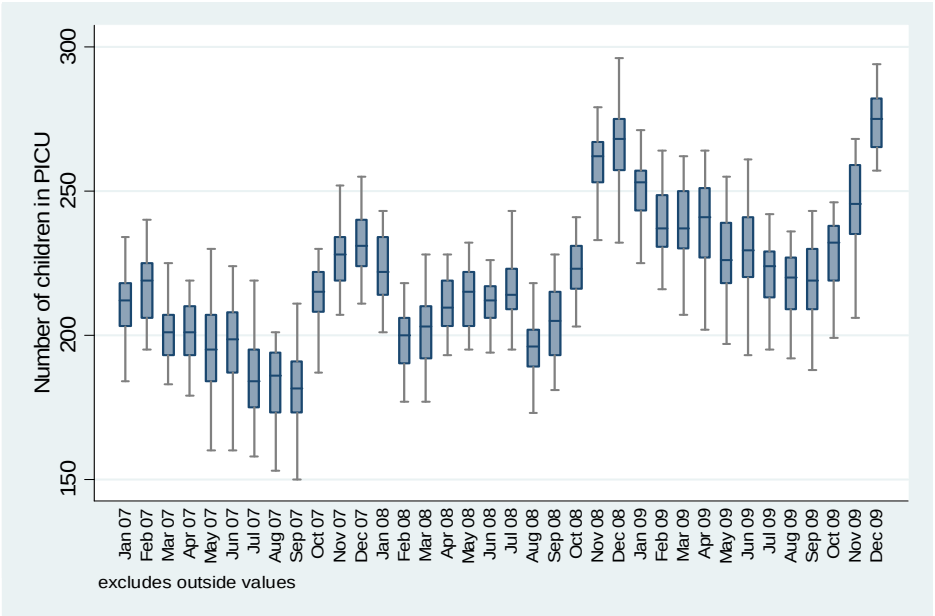


Table 35 Bed census by NHS trust, 2007 - 2009

Year	NHS Trust	Number in PICU Median	IQR
2007	A	5	4-6
	B	1	0-2
	C	4	2-5
	D	10	8-12
	E1	13	11-14
	E2	11	10-12
	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	5	4-5
	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	6	5-7
	U	6	5-7
	V	16	14-17
	W	11	9-13
	X	9	8-11
	Y	6	4-7
	Z	3	2-4
	ZA	10	7-14
2008	A	6	5-7
	B	2	1-4
	C	3	2-4
	D	11	10-13
	E1	13	12-15
	E2	11	10-12
	F	13	11-15
	G	0	0-0
	H	4	3-6
	I	13	11-14
	J	0	0-1
	K	13	12-15
	L	3	3-5
	M	5	4-6
	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	6	5-7
	U	5	4-7
	V	17	16-18
	W	10	8-12
	X	10	9-12
	Y	5	4-7
	Z	4	3-5
	ZA	14	13-16
	ZB	5	4-6
2009	A	5	4-7
	B	4	3-6
	C	3	2-5
	D	11	10-13
	E1	15	13-16
	E2	11	9-12
	F	14	12-16
	G	0	0-0
	H	8	7-9
	I	10	8-12
	J	0	0-1
	K	13	12-15
	L	4	3-5
	M	4	3-5
	N	4	3-5
	O	11	9-12
	P	13	12-16
	Q	5	4-7
	R	8	7-9
	S	3	2-4
	T	6	5-7
	U	5	4-6
	V	17	15-18
	W	12	11-13
	X	16	14-17
	Y	6	5-7
	Z	4	3-4
	ZA	13	11-15
	ZB	10	8-12

Data for Trust ZB incomplete

Figure 35a Bed census by NHS trust, 2007

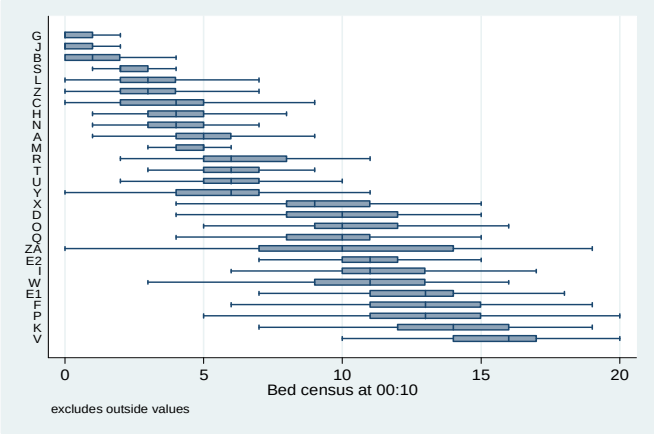


Figure 35b Bed census by NHS trust, 2008

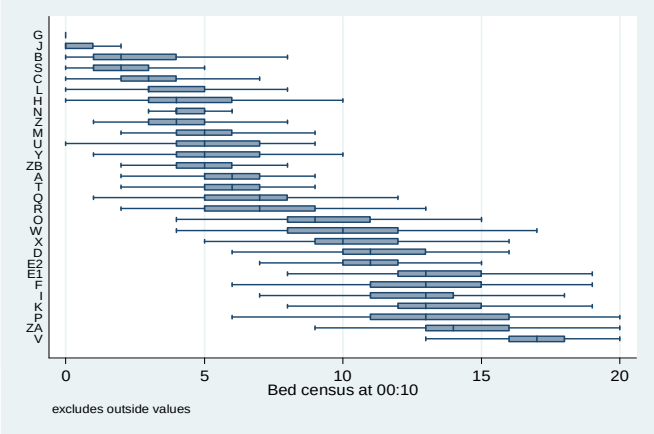


Figure 35c Bed census by NHS trust, 2009

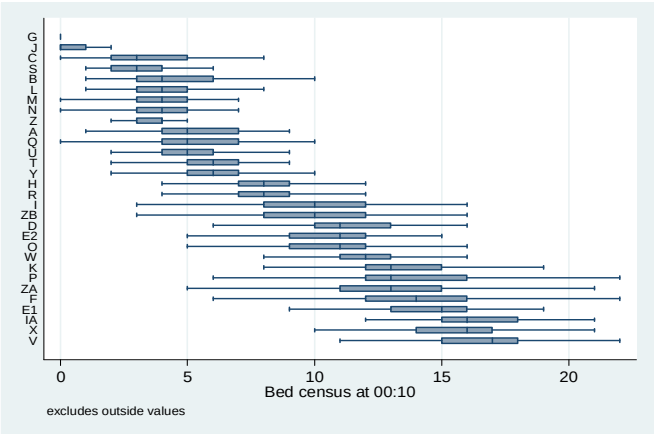


Table 36 Bed activity by month, 2007 - 2009

Year	Month	Bed Activity (Days) Median	IQR
2007	1	254	239-265
	2	261	248.5-271
	3	247	229-257
	4	246	230-263
	5	246	219-256
	6	244	219-257
	7	230	220-245
	8	229	210-243
	9	224	203-236
	10	268	244-273
	11	280	266-288
	12	275	263-289
2008	1	269	259-285
	2	244	232-256
	3	247	230-260
	4	256	244-268
	5	262	245-269
	6	260	244-267
	7	261	249-272
	8	239	227-253
	9	250	234-266
	10	273	255-283
	11	314	300-322
	12	319	300-333
2009	1	301	286-310
	2	285	274-298.5
	3	287	274-301
	4	285	263-303
	5	275	251-293
	6	279	263-293
	7	266	252-282
	8	260	247-277
	9	273	252-286
	10	280	264-294
	11	299	285-313
	12	332	310-345

Figure 36 Bed activity by month, 2007 - 2009

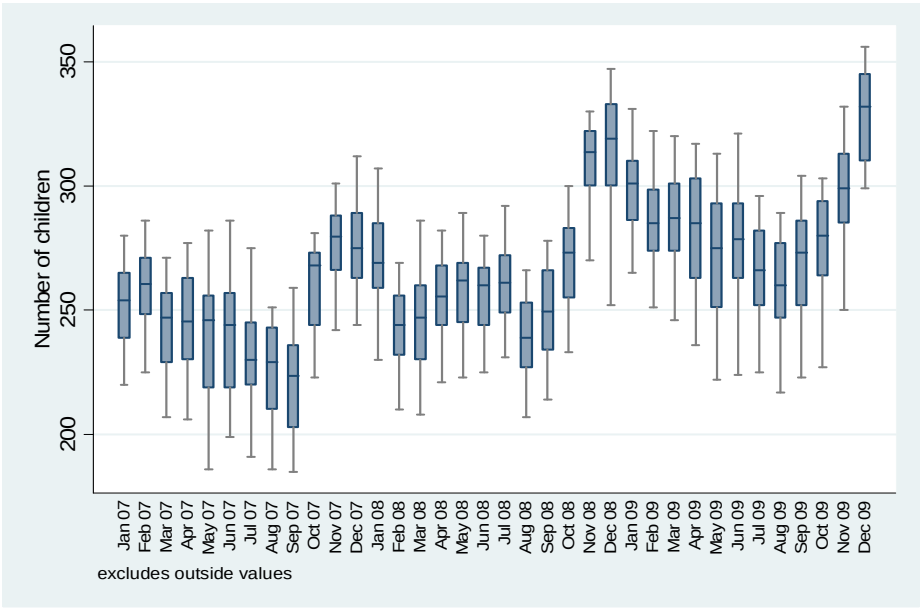


Table 37 Bed activity by NHS trust, 2007 - 2009

Year	NHS Trust	Bed Activity (Days) Median	IQR
2007	A	6	5-8
	B	1	0-2
	C	4	3-6
	D	12	10-14
	E1	15	13-16
	E2	13	11-14
	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	6	5-7
	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	7	6-8
	U	7	6-8
	V	19	17-20
	W	13	11-15
	X	12	10-13
	Y	7	5-8
	Z	4	3-6
	ZA	13	10-16
2008	A	7	6-8
	B	3	2-5
	C	4	3-5
	D	13	12-14
	E1	16	14-18
	E2	13	12-14
	F	16	14-18
	G	0	0-0
	H	5	4-7
	I	15	13-17
	J	1	0-1
	K	16	14-18
	L	4	3-6
	M	6	5-7
	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	7	6-8
	U	6	5-7
	V	20	19-22
	W	12	10-14
	X	13	11-15
	Y	7	5-8
	Z	5	4-6
	ZA	17	15-19
	ZB	6	4-7
2009	A	7	6-8
	B	6	4-7
	C	4	3-6
	D	13	11-15
	E1	17	16-19
	E2	12	11-14
	F	17	15-19
	G	0	0-0
	H	10	8-11
	I	12	10-14
	J	0	0-1
	K	16	14-18
	L	5	4-6
	M	5	4-6
	N	5	4-6
	O	12	11-14
	P	16	14-19
	Q	6	5-8
	R	10	9-12
	S	3	2-4
	T	7	6-8
	U	6	4-7
	V	20	19-22
	W	13	12-15
	X	18	16-19
	Y	7	6-9
	Z	5	4-6
	ZA	15	13-18
	ZB	11	9-13

Figure 37a Bed activity by NHS trust, 2007

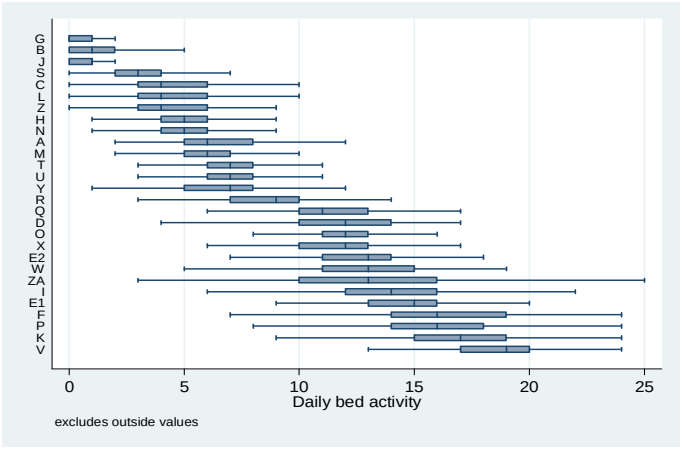


Figure 37b Bed activity by NHS trust, 2008

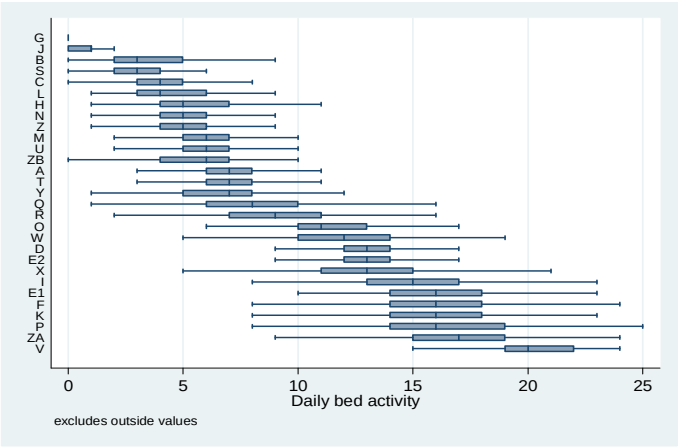


Figure 37c Bed activity by NHS trust, 2009

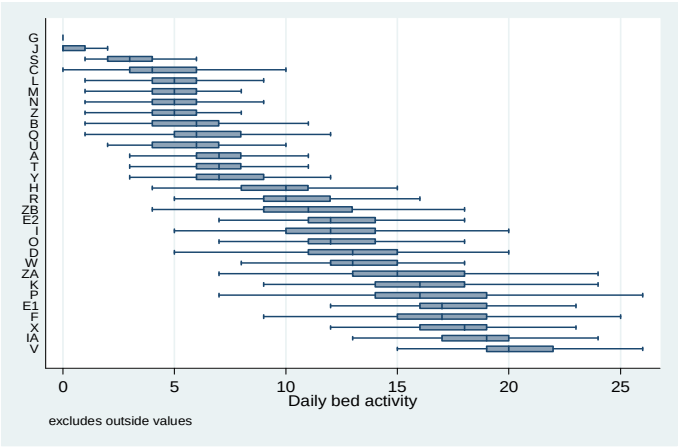


Table 38 Length of stay by age and NHS trust, 2007 - 2009

Admission year	NHS Trust	Age Group (Years) <1 Median	<1 IQR	1-4 Median	1-4 IQR	5-10 Median	5-10 IQR	11-15 Median	11-15 IQR
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
	E1	5	3-8	4	2-7	4	2-8	3	2-7
	E2	5	3-8	3	2-5	3	2-5	3	2-5
	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	2-9
	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	3-7	3	2-5	2	2-4.5	2	2-4
	D	4	2-8	3	2-6	3	2-4	3	2-8
	E1	5	3-8	4	2-7	3	2-6	3	2-7
	E2	5	3-9	2	2-4	2	2-3	2	2-5
	F	4	3-6	3	2-5	2	2-4	2	2-3
	G	1.5	1-3	1.5	1-2	1	1-2	2	2-3
	H	3	2-8	2	2-4	2	2-4	2	2-4
	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	3	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	1-4.5	2	1-4
	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	4	2-9	2	2-6	3	2-4	2	2-3
2009	A	3	2-6	2	2-4	2	2-3	2	2-4
	B	3	2-4	2	2-4	2.5	2-4	3	2-4
	C	5	2-7	3	2-6	2	1-4	2	2-3
	D	4	2-7	3	2-7	2	2-6	3	2-6
	E1	5	3-9	3	2-7	3	2-6	2	2-5
	E2	4	3-8	2	2-4	2	2-3	2	2-6
	F	4	3-7	3	2-5	3	2-5	2	2-3
	G	2	1-4	2	1-2	2	2-2	2	2-3
	H	3	2-6	3	2-6	3	2-4.5	3	2-5
	I	4	2-6	2	2-4	2	2-3	2	2-4
	J	2	2-2	2	1-2	1	1-2	2	1-2
	K	4	2-8	3	2-5	2	2-4	2	2-4
	L	3	2-6	2	2-5	2	2-4	2	2-3
	M	4	2-7	3	2-6	2	2-3	2	2-4
	N	4	2-8	2	2-4	3	2-5	3	2-5.5
	O	4	2-7	3	2-4	2.5	2-4	2	2-4
	P	4	2-6	2	2-5	3	2-5	3	2-4
	Q	4	2-6	3	2-5	3	2-7	3	2-6
	R	3	2-6	3	2-6	2	2-4	2	2-3
	S	3	2-7	2	1-3	3	2-4	2	2-3
	T	3	2-6	2	2-4	2	2-5	2	2-4
	U	5	3-8	3.5	2-7	3	2-7	3	3-5
	V	4	2-7	2	2-5	2	2-3	2	2-4
	W	4	3-8	3	2-5	3	2-6	3	2-7
	X	4	2-7	2	2-4	2	2-5	2	1-4
	Y	5	2-8	3	2-5	3	2-6	2	2-4
	Z	3	2-5	2	1-3	3	2-5	2	2-3
	ZA	4	2-8	2	2-4	2	2-4	3	2-5
	ZB	4	2-7	3	2-6	3	2-5	2	2-3

Table 39 Length of stay by primary diagnostic group and NHS trust, 2007 - 2009

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	2	2-3	2	1-4	3	2-4	2	2-3	3.5	2-5	2	2-3	2	2-3	2	2-4	2	2-3	5	2-8	3	2-6	2	1-3	0	0-0
B	2	2-3	3	2-7	1.5	1-2	3	2-3	3	2-4	2	2-4	7	2-12	2	2-3	2	2-3	1	1-4	2	2-4	2	2-3	2	2-3	0	0-0
C	2	2-3	4	1-6	4	2-6	3	2-4.5	4	2-6	5	3-8	1	1-1	2	2-2	3	2-5	2	2-3	5	3-7	3	2-6	2	2-4	0	0-0
D	7.5	2-8	3.5	2-5	3	2-8	3	2-5	2	2-4	5	3-8.5	7	3-14	2	2-3	2	2-5	2	2-3	4	2-9	3	2-6	2	2-4	2	1-3
E1	5	2-10	5	3-9	4	2-7	3	2-6	5	2-9	4	2-7	4	3-5	2	2-3	3	2-5	4	2-8	5	3-9	4	2-7	3	2-8	6	6-6
E2	1	1-1	4	3-14	3	2-6	6	4-11	4.5	1-8	6	4-11	2	2-2	3	2-4	2	1-3	3	2-4	6	3-11	11	11-11	3	2-10	0	0-0
F	3	2-6	3	2-5	3	2-5	2	2-3	2	2-5	4	2-6	4	3-5	2	2-2	3	2-4.5	2	2-2	4	3-7	2	1-4	2	2-3	4	2-7
G	0	0-0	0	0-0	1	1-2	2	2-2	0	0-0	2	1-6	0	0-0	0	0-0	2	2-4.5	1	1-1	2	1-3.5	2	2-2	2	2-3	0	0-0
H	2	2-4	2	2-3	2	1-6.5	3	2-6.5	3	2-7	4	2-7	0	0-0	2	2-2	3	2-5	2	2-4	3	2-6	2.5	2-4	2	2-3	3	2.5-6.5
I	2	1-3	3	2-4	3	2-5	2	1-4	3	2-5	4	2-7	10	10-10	2	2-2	2	2-4	2	2-2	5	3-9	2	2-6	2	2-3	3	3-9
J	2	1-2	2	2-2	1	1-2	2	1-2	2	2-3	1	1-2	2	1-3	0	0-0	2	1-2	3	3-3	2	1-2	2	2-2	2	1-2	2	2-4
K	3.5	2-8	5	3-9	4	2-8	2	2-4	3	2-6	3	2-6	4	3-14	2	2-5	2	2-3	2	2-3.5	4	2-7	2	2-4	2	1.5-3	2	1-11
L	2	2-2	1.5	1-2	2	1-3	2	2-3.5	2	2-3	4	2-6	0	0-0	2	2-3	2	2-3	1.5	1-2	3	2-6	2	2-3	3	2-4	0	0-0
M	7	5-11	3	2-6	3	2-6	2	2-5	2	2-5	4	2-7	0	0-0	2	2-3	2	2-4	2	2-4	4	2-7	2	2-5	3	2-4	0	0-0
N	2	1-9	4	2-10	3	2-7	4	2-6	2	2-5	5	3-10	2	2-3	2	2-3	2	2-4	2	2-5	5	2-9	2	2-5	2	2-5	0	0-0
O	2	2-2	3.5	2-11	3	2-6	2	1-23	2	2-4	3	2-11	0	0-0	9	2-24	5.5	3-7	2	2-2	4	2-8	0	0-0	2	1-2	3	2-11
P	3.5	2-6	3	2-6	3	2-5	3	2-7	3	2-5	4	2-6	2	2-5	2	2-3	2	2-4	2	2-4	4	2-7	3	2-7	2	2-5	0	0-0
Q	2.5	2-6	5	3-6	3	2-4	3	2-6	3	2-4	4	2-6	2	1-4	2	2-2	2	2-3	2	2-3	4	2-8.5	3	2-8	2	2-3	6	6-6
R	2	1-4	2	1-3	2	2-5	3	2-5.5	2	2-3.5	3	2-6	2	2-2	2	2-2	2	2-4	2	2-3	4	2-7	2	2-4	2	1-4	0	0-0
S	0	0-0	0	0-0	2	1-2	3	2-3	2	1-6	2	2-4	0	0-0	2	2-3	2	2-3	28.5	2-55	3	2-6	3	2-7	2	2-4	0	0-0
T	2	1-2	2	2-2	2	1.5-5	2	2-3	2	2-3	3	2-5.5	0	0-0	2.5	2-4	2	2-3	2	2-3	4	2-8	2	1-3	2	2-3	4	2-4
U	3	2-3.5	3	2-8	4	2-7	4	2-10	3	2-4	6	3-9	0	0-0	69	69-69	3	2-4.5	2	2-2	5	3-9	3	1-9	3	2-4	7	5-17
V	3	2-6	5	2-10	3	2-6	4	2-7	3	2-6	4	2-7	3.5	2-12	2	2-2	2	2-5	2.5	2-5	4	3-8	3	2-7	3	2-5	0	0-0
W	7	2-11	6	3-7	3	2-6	2.5	2-4.5	2	2-5	5	3-8	5	2-8	3	2-10	3	2-7	3	2-5	5	3-9	5	3-9	3	2-6	0	0-0
X	2	2-6.5	3	2-8	2	2-5	2	2-4	3	2-4	2	1-5	2.5	1-4	2	1-3	2	2-4	3	2-5	5	3-8	2	1-3	3	2-7	2	1-8
Y	3	2.5-5	5	3-8	6	2-11	3	2-4	3	2-5	4	2-8	2	2-9	2	2-3	3	2-5	2	2-3	4	2-7	3.5	2-7.5	3	2-5	4	2-6
Z	2	2-3	2	2-3	2.5	2-6	3	2-5	3	2-4	3	2-5	0	0-0	3	2-4	2	2-3	2	2-3	3	2-4	2	2-3	2	2-3	0	0-0
ZA	2	2-4	2	2-8	4	2-7	2	2-3	2	2-3	5	2-9	2.5	2-3	2	2-4	2	2-3	2	2-5	3	2-7	2	2-3	2	2-2	0	0-0
ZB	4	2-6	2	2-5	4	2-6	3	2-6	4	2-7	4	3-7	3	2-4.5	2	2-2	2	2-3	2	2-3	5	2-9	2	2-3	3	2-4	5	2-9

Table 40 Admissions by length of stay by NHS trust, 2007 - 2009

Admission year	NHS Trust	LOS Group																	
		<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	%
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)
	E1	2	(0)	15	(2)	38	(5)	100	(13)	214	(27)	242	(31)	181	(23)	0	(0)	792	(5.1)
	E2	1	(0)	11	(2)	47	(7)	49	(7)	252	(36)	191	(27)	144	(21)	0	(0)	695	(4.5)
	F	3	(0)	17	(1)	61	(5)	159	(13)	495	(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)	13	(4)	34	(11)	66	(22)	91	(30)	38	(13)	58	(19)	0	(0)	301	(1.9)
	I	2	(0)	19	(2)	62	(7)	208	(23)	288	(32)	192	(21)	129	(14)	1	(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)	244	(26)	211	(23)	166	(18)	0	(0)	935	(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)	83	(24)	35	(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)	135	(21)	116	(18)	0	(0)	639	(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	(4.6)
	S	0	(0)	8	(4)	16	(8)	43	(23)	67	(35)	39	(21)	17	(9)	0	(0)	190	(1.2)
	T	1	(0)	8	(2)	37	(10)	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	0	(0)	10	(1)	27	(4)	88	(13)	246	(36)	166	(24)	152	(22)	0	(0)	689	(4.4)
	X	7	(1)	47	(6)	76	(10)	102	(14)	197	(27)	156	(21)	143	(20)	0	(0)	728	(4.7)
	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		31	(0.2)	394	(2.5)	1,145	(7.3)	3,076	(19.7)	4,985	(31.9)	3,436	(22.0)	2,540	(16.3)	1	(0.0)	15,608	
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)	63	(22)	110	(39)	45	(16)	23	(8)	0	(0)	285	(1.8)
	C	1	(0)	7	(2)	23	(7)	72	(23)	88	(29)	71	(23)	45	(15)	0	(0)	307	(1.9)
	D	0	(0)	16	(2)	40	(6)	124	(19)	177	(27)	155	(24)	142	(22)	2	(0)	656	(4.0)
	E1	2	(0)	18	(2)	45	(5)	104	(12)	255	(29)	263	(29)	205	(23)	0	(0)	892	(5.5)
	E2	3	(0)	6	(1)	62	(9)	75	(11)	239	(36)	143	(21)	142	(21)	0	(0)	670	(4.1)
	F	0	(0)	22	(2)	52	(4)	187	(16)	429	(37)	320	(28)	146	(13)	0	(0)	1,156	(7.1)
	G	0	(0)	2	(6)	11	(34)	7	(22)	8	(25)	4	(13)	0	(0)	0	(0)	32	(0.2)
	H	0	(0)	12	(3)	38	(10)	78	(20)	147	(38)	59	(15)	58	(15)	0	(0)	392	(2.4)
	I	1	(0)	24	(3)	44	(5)	169	(20)	270	(33)	196	(24)	123	(15)	0	(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)	182	(20)	260	(28)	204	(22)	173	(19)	0	(0)	919	(5.6)
	L	0	(0)	13	(4)	21	(7)	57	(18)	117	(37)	63	(20)	48	(15)	0	(0)	319	(2.0)
	M	0	(0)	5	(1)	35	(10)	85	(24)	120	(33)	59	(16)	55	(15)	1	(0)	360	(2.2)
	N	0	(0)	2	(1)	28	(9)	46	(15)	99	(33)	68	(23)	57	(19)	0	(0)	300	(1.8)
	O	2	(0)	25	(4)	40	(7)	88	(14)	230	(38)	128	(21)	97	(16)	0	(0)	610	(3.7)
	P	1	(0)	19	(2)	75	(7)	256	(23)	354	(32)	240	(22)	167	(15)	0	(0)	1,112	(6.8)
	Q	0	(0)	7	(1)	43	(8)	126	(22)	194	(34)	114	(20)	87	(15)	0	(0)	571	(3.5)
	R	0	(0)	22	(3)	62	(9)	153	(22)	225	(33)	141	(21)	81	(12)	0	(0)	684	(4.2)
	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)	74	(16)	61	(13)	0	(0)	475	(2.9)
	U	0	(0)	4	(1)	24	(8)	36	(12)	84	(28)	79	(26)	74	(25)	0	(0)	301	(1.8)
	V	1	(0)	6	(1)	72	(7)	222	(20)	334	(30)	263	(24)	204	(19)	0	(0)	1,102	(6.8)
	W	0	(0)	11	(2)	37	(5)	103	(14)	251	(34)	182	(25)	147	(20)	0	(0)	731	(4.5)
	X	12	(2)	67	(9)	71	(9)	100	(13)	217	(29)	182	(24)	107	(14)	5	(1)	761	(4.7)
	Y	1	(0)	6	(1)	17	(4)	133	(29)	135	(30)	89	(20)	72	(16)	0	(0)	453	(2.8)
	Z	0	(0)	9	(2)	39	(10)	87	(22)	166	(42)	61	(16)	31	(8)	0	(0)	393	(2.4)
	ZA	1	(0)	33	(4)	80	(9)	276	(30)	206	(22)	164	(18)	164	(18)	0	(0)	924	(5.7)
	ZB	0	(0)	5	(2)	6	(2)	62	(24)	79	(31)	49	(19)	56	(22)	0	(0)	257	(1.6)
2008 Total		32	(0.2)	426	(2.6)	1,215	(7.5)	3,230	(19.8)	5,196	(31.9)	3,547	(21.8)	2,630	(16.2)	8	(0.0)	16,284	
2009	A	0	(0)	17	(3)	43	(8)	121	(23)	181	(34)	100	(19)	65	(12)	0	(0)	527	(3.1)
	B	0	(0)	9	(2)	38	(8)	91	(20)	194	(43)	91	(20)	33	(7)	0	(0)	456	(2.7)
	C	0	(0)	9	(3)	42	(12)	72	(21)	77	(22)	97	(28)	46	(13)	0	(0)	343	(2.0)
	D	0	(0)	11	(2)	35	(5)	149	(21)	224	(32)	145	(21)	143	(20)	0	(0)	707	(4.1)
	E1	2	(0)	12	(1)	39	(4)	115	(12)	275	(29)	280	(29)	231	(24)	0	(0)	954	(5.6)
	E2	0	(0)	11	(2)	58	(9)	71	(11)	247	(37)	140	(21)	139	(21)	0	(0)	666	(3.9)
	F	1	(0)	21	(2)	62	(5)	161	(14)	381	(33)	361	(31)	164	(14)	0	(0)	1,151	(6.7)
	G	0	(0)	0	(0)	6	(19)	14	(44)	7	(22)	4	(13)	1	(3)	0	(0)	32	(0.2)
	H	0	(0)	6	(1)	34	(6)	90	(16)	225	(39)	121	(21)	95	(17)	1	(0)	572	(3.3)
	I	2	(0)	28	(3)	53	(7)	191	(24)	272	(34)	147	(18)	108	(13)	1	(0)	802	(4.7)
	J	1	(1)	6	(5)	31	(26)	43	(37)	29	(25)	5	(4)	0	(0)	2	(2)	117	(0.7)
	K	0	(0)	33	(4)	73	(8)	183	(20)	250	(28)	192	(21)	163	(18)	2	(0)	896	(5.2)
	L	1	(0)	12	(4)	28	(9)	81	(27)	99	(32)	57	(19)	27	(9)	0	(0)	305	(1.8)
	M	0	(0)	7	(2)	25	(7)	56	(16)	118	(34)	91	(27)	46	(13)	0	(0)	343	(2.0)
	N	1	(0)	4	(1)	15	(4)	49	(14)	140	(41)	77	(22)	59	(17)	0	(0)	345	(2.0)
	O	0	(0)	17	(2)	33	(5)	91	(13)	280	(40)	158	(23)	114	(16)	0	(0)	693	(4.1)
	P	2	(0)	18	(2)	74	(7)	190	(17)	422	(38)	238	(22)	159	(14)	0	(0)	1,103	(6.4)
	Q	0	(0)	5	(1)	33	(7)	66	(15)	159	(36)	109	(25)	72	(16)	0	(0)	444	(2.6)
	R	1	(0)	31	(4)	51	(7)	152	(21)	254	(34)	156	(21)	95	(13)	0	(0)	740	(4.3)
	S	0	(0)	6	(4)	16	(9)	44	(26)	57	(33)	28	(16)	20	(12)	0	(0)	171	(1.0)
	T	0	(0)	9	(2)	39	(8)	126	(26)	165	(33)	97	(20)	58	(12)	0	(0)	494	(2.9)
	U	0	(0)	4	(1)	14	(4)	46	(14)	118	(35)	83	(25)	70	(21)	0	(0)	335	(2.0)
	V	1	(0)	9	(1)	61	(5)	283	(22)	437	(33)	300	(23)	223	(17)	0	(0)	1,314	(7.7)
	W	1	(0)	9	(1)	19	(3)	78	(13)	233	(37)	155	(25)	127	(20)	1	(0)	623	(3.6)
	X	9	(1)	64	(8)	75	(10)	116	(15)	223	(28)	181	(23)	115	(15)	2	(0)	785	(4.6)
	Y	0	(0)	4	(1)	11	(3)	141	(35)	95	(24)	91	(23)	59	(15)	0	(0)	401	(2.3)
	Z	0	(0)	9	(2)	35	(9)	82	(21)	153	(39)	76	(19)	40	(10)	0	(0)	395	(2.3)
	ZA	0	(0)	13	(1)	66	(7)	246	(27)	283	(31)	158	(17)	154	(17)	0	(0)	920	(5.4)
	ZB	0	(0)	3	(1)	29	(6)	106	(22)	131	(27)	105	(22)	63	(13)	40	(8)	477	(2.8)
2009 Total		22	(0.1)	387	(2.3)	1,138	(6.7)	3,254	(19.0)	5,729	(33.5)	3,843	(22.5)	2,689	(15.7)	49	(0.3)	17,111	
Grand Total		85	(0.2)	1,207	(2.5)	3,498	(7.1)	9,560	(19.5)	15,910	(32.5)	10,826	(22.1)	7,859	(16.0)	58	(0.1)	49,003	

Table 41 Admissions by unit discharge status and age, 2007 - 2009

Unit discharge Status	Age Group (Years)								Total	
	<1		1-4		5-10		11-15			
	n	%	n	%	n	%	n	%	n	%
Alive	21,809	(47)	12,264	(26)	6,334	(14)	6,374	(14)	**46,781**	**(95.5)**
Dead	1,222	(55)	464	(21)	269	(12)	254	(11)	**2,209**	**(4.5)**
Unknown	9	(69)	2	(15)	1	(8)	1	(8)	**13**	**-**
Total	**23,040**	**(47.0)**	**12,730**	**(26.0)**	**6,604**	**(13.5)**	**6,629**	**(13.5)**	**49,003**	

Table 42 Admissions by unit discharge status and age (<1), 2007 - 2009

Unit discharge Status	Age Group (Months)								Total	
	<1		1-2		3-5		6-11			
	n	%	n	%	n	%	n	%	n	%
Alive	7,378	(34)	5,347	(25)	4,298	(20)	4,786	(22)	**21,809**	**(94.7)**
Dead	542	(44)	247	(20)	219	(18)	214	(18)	**1,222**	**(5.3)**
Unknown	3	(33)	2	(22)	0	(0)	4	(44)	**9**	**-**
Total	**7,923**	**(34.4)**	**5,596**	**(24.3)**	**4,517**	**(19.6)**	**5,004**	**(21.7)**	**23,040**	

Table 43 Admissions by unit discharge status and sex, 2007 - 2009

Unit discharge Status	Sex									
	Male		Female		Ambiguous		Unknown		Total	
	n	%	n	%	n	%	n	%	n	%
Alive	26,306	(56)	20,447	(44)	15	(0)	13	(0)	**46,781**	**(95.5)**
Dead	1,182	(54)	1,022	(46)	3	(0)	2	(0)	**2,209**	**(4.5)**
Unknown	6	(46)	7	(54)	0	(0)	0	(0)	**13**	**-**
Total	**27,494**	**(56.1)**	**21,476**	**(43.8)**	**18**	**(0.0)**	**15**	**(0.0)**	**49,003**	

Table 44 Admissions by unit discharge status and sex (age <1), 2007 - 2009

Unit discharge Status	Sex									
	Male		Female		Ambiguous		Unknown		Total	
	n	%	n	%	n	%	n	%	n	%
Alive	12,662	(58)	9,136	(42)	8	(0)	3	(0)	**21,809**	**(94.7)**
Dead	675	(55)	543	(44)	3	(0)	1	(0)	**1,222**	**(5.3)**
Unknown	6	(67)	3	(33)	0	(0)	0	(0)	**9**	**-**
Total	**13,343**	**(57.9)**	**9,682**	**(42.0)**	**11**	**(0.0)**	**4**	**(0.0)**	**23,040**	

Table 45 Admissions by unit discharge status by NHS trust, 2007 - 2009

Admission year	NHS Trust	Unit Discharge Status: Alive n	Alive %	Dead n	Dead %	Unknown n	Unknown %	Total n	Total %
2007	A	491	(96)	21	(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)
	E1	729	(92)	63	(8)	0	(0)	792	(5.1)
	E2	670	(96)	25	(4)	0	(0)	695	(4.5)
	F	1,146	(96)	51	(4)	0	(0)	1,197	(7.7)
	G	39	(87)	6	(13)	0	(0)	45	(0.3)
	H	271	(90)	30	(10)	0	(0)	301	(1.9)
	I	852	(95)	49	(5)	0	(0)	901	(5.8)
	J	119	(100)	0	(0)	0	(0)	119	(0.8)
	K	897	(96)	38	(4)	0	(0)	935	(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	616	(96)	23	(4)	0	(0)	639	(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	(4.6)
	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	693	(95)	35	(5)	0	(0)	728	(4.7)
	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		**14,854**	**(95.2)**	**754**	**(4.8)**	**0**	**(0.0)**	15,608	
2008	A	457	(97)	13	(3)	0	(0)	470	(2.9)
	B	285	(100)	0	(0)	0	(0)	285	(1.8)
	C	296	(96)	11	(4)	0	(0)	307	(1.9)
	D	616	(94)	40	(6)	0	(0)	656	(4.0)
	E1	806	(90)	86	(10)	0	(0)	892	(5.5)
	E2	646	(96)	24	(4)	0	(0)	670	(4.1)
	F	1,098	(95)	58	(5)	0	(0)	1,156	(7.1)
	G	25	(78)	7	(22)	0	(0)	32	(0.2)
	H	369	(94)	23	(6)	0	(0)	392	(2.4)
	I	777	(94)	50	(6)	0	(0)	827	(5.1)
	J	129	(100)	0	(0)	0	(0)	129	(0.8)
	K	888	(97)	31	(3)	0	(0)	919	(5.6)
	L	307	(96)	12	(4)	0	(0)	319	(2.0)
	M	347	(96)	13	(4)	0	(0)	360	(2.2)
	N	280	(93)	20	(7)	0	(0)	300	(1.8)
	O	596	(98)	14	(2)	0	(0)	610	(3.7)
	P	1,062	(96)	50	(4)	0	(0)	1,112	(6.8)
	Q	556	(97)	15	(3)	0	(0)	571	(3.5)
	R	660	(96)	24	(4)	0	(0)	684	(4.2)
	S	190	(97)	6	(3)	0	(0)	196	(1.2)
	T	464	(98)	11	(2)	0	(0)	475	(2.9)
	U	277	(92)	24	(8)	0	(0)	301	(1.8)
	V	1,016	(92)	86	(8)	0	(0)	1,102	(6.8)
	W	704	(96)	27	(4)	0	(0)	731	(4.5)
	X	726	(95)	32	(4)	3	(0)	761	(4.7)
	Y	443	(98)	10	(2)	0	(0)	453	(2.8)
	Z	391	(99)	2	(1)	0	(0)	393	(2.4)
	ZA	892	(97)	32	(3)	0	(0)	924	(5.7)
	ZB	241	(94)	16	(6)	0	(0)	257	(1.6)
2008 Total		**15,544**	**(95.5)**	**737**	**(4.5)**	**3**	**(0.0)**	16,284	
2009	A	508	(96)	19	(4)	0	(0)	527	(3.1)
	B	455	(100)	1	(0)	0	(0)	456	(2.7)
	C	331	(97)	12	(3)	0	(0)	343	(2.0)
	D	681	(96)	26	(4)	0	(0)	707	(4.1)
	E1	882	(92)	72	(8)	0	(0)	954	(5.6)
	E2	638	(96)	28	(4)	0	(0)	666	(3.9)
	F	1,103	(96)	48	(4)	0	(0)	1,151	(6.7)
	G	30	(94)	2	(6)	0	(0)	32	(0.2)
	H	545	(95)	26	(5)	1	(0)	572	(3.3)
	I	750	(94)	51	(6)	1	(0)	802	(4.7)
	J	116	(99)	1	(1)	0	(0)	117	(0.7)
	K	864	(96)	31	(3)	1	(0)	896	(5.2)
	L	295	(97)	10	(3)	0	(0)	305	(1.8)
	M	322	(94)	21	(6)	0	(0)	343	(2.0)
	N	325	(94)	20	(6)	0	(0)	345	(2.0)
	O	681	(98)	12	(2)	0	(0)	693	(4.1)
	P	1,048	(95)	55	(5)	0	(0)	1,103	(6.4)
	Q	426	(96)	18	(4)	0	(0)	444	(2.6)
	R	725	(98)	15	(2)	0	(0)	740	(4.3)
	S	171	(100)	0	(0)	0	(0)	171	(1.0)
	T	473	(96)	21	(4)	0	(0)	494	(2.9)
	U	312	(93)	23	(7)	0	(0)	335	(2.0)
	V	1,230	(94)	84	(6)	0	(0)	1,314	(7.7)
	W	590	(95)	32	(5)	1	(0)	623	(3.6)
	X	757	(96)	26	(3)	2	(0)	785	(4.6)
	Y	392	(98)	9	(2)	0	(0)	401	(2.3)
	Z	390	(99)	5	(1)	0	(0)	395	(2.3)
	ZA	892	(97)	28	(3)	0	(0)	920	(5.4)
	ZB	451	(95)	22	(5)	4	(1)	477	(2.8)
2009 Total		**16,383**	**(95.7)**	**718**	**(4.2)**	**10**	**(0.1)**	17,111	
Grand Total		**46,781**	**(95.5)**	**2,209**	**(4.5)**	**13**	**(0.0)**	49,003	

Table 46 Admissions by unit discharge destination and age, 2007 - 2009

Discharge Destination	Age Group (Years)								Total	
	<1		1-4		5-10		11-15			
	n	%	n	%	n	%	n	%	n	%
Normal residence	292	(19)	571	(37)	354	(23)	333	(21)	**1,550**	**(3.3)**
Hospice	29	(28)	32	(31)	16	(16)	25	(25)	**102**	**(0.2)**
Same hospital	17,324	(45)	10,137	(27)	5,286	(14)	5,422	(14)	**38,169**	**(81.6)**
Other hospital	4,154	(60)	1,515	(22)	677	(10)	593	(9)	**6,939**	**(14.8)**
Unknown	19	(56)	11	(32)	2	(6)	2	(6)	**34**	**-**
Total	**21,818**	**(46.6)**	**12,266**	**(26.2)**	**6,335**	**(13.5)**	**6,375**	**(13.6)**	**46,794**	

Table 47 Standardised mortality ratios by trust, 2007

NHS Trust	Number of	Standardised Mortality Ratio Unadjusted (95% CI) SMR	Lower	Upper	PIM2 Adjusted (95% CI) SMR	Lower	Upper
A	524	**0.88**	0.55	1.31	**1.02**	0.64	1.52
B	175	**0.60**	0.19	1.36	**1.54**	0.50	3.53
C	324	**0.77**	0.40	1.33	**0.66**	0.34	1.14
D	651	**1.47**	1.09	1.94	**0.91**	0.67	1.20
E1	799	**1.64**	1.27	2.08	**1.01**	0.78	1.27
E2	710	**0.73**	0.48	1.08	**0.65**	0.42	0.95
F	1,224	**0.89**	0.67	1.15	**0.61**	0.46	0.79
G	45	**2.78**	1.05	5.59	**0.73**	0.28	1.46
H	301	**1.94**	1.31	2.75	**1.20**	0.81	1.70
I	918	**1.11**	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	960	**0.91**	0.66	1.22	**0.84**	0.61	1.12
L	376	**0.61**	0.31	1.08	**0.72**	0.36	1.28
M	359	**1.22**	0.76	1.84	**1.06**	0.66	1.59
N	315	**1.06**	0.61	1.69	**0.75**	0.44	1.21
O	641	**0.72**	0.45	1.07	**0.96**	0.61	1.45
P	1,086	**1.25**	0.97	1.58	**1.17**	0.91	1.48
Q	622	**0.87**	0.57	1.27	**1.17**	0.77	1.69
R	757	**0.83**	0.56	1.17	**0.81**	0.55	1.14
S	194	**0.75**	0.31	1.52	**1.21**	0.49	2.44
T	401	**0.47**	0.22	0.88	**0.71**	0.32	1.33
U	368	**1.36**	0.88	1.99	**0.66**	0.43	0.97
V	1,158	**1.35**	1.07	1.68	**0.73**	0.58	0.91
W	698	**1.23**	0.89	1.64	**0.71**	0.51	0.95
X	752	**0.97**	0.68	1.34	**1.03**	0.72	1.42
Y	463	**0.36**	0.16	0.70	**0.49**	0.21	0.96
Z	366	**0.34**	0.13	0.74	**0.92**	0.34	1.98
ZA	651	**0.61**	0.37	0.94	**0.65**	0.39	1.01

Figure 47a PICU Standardised mortality ratios by NHS trust with 99.9% control limits, 2007: unadjusted

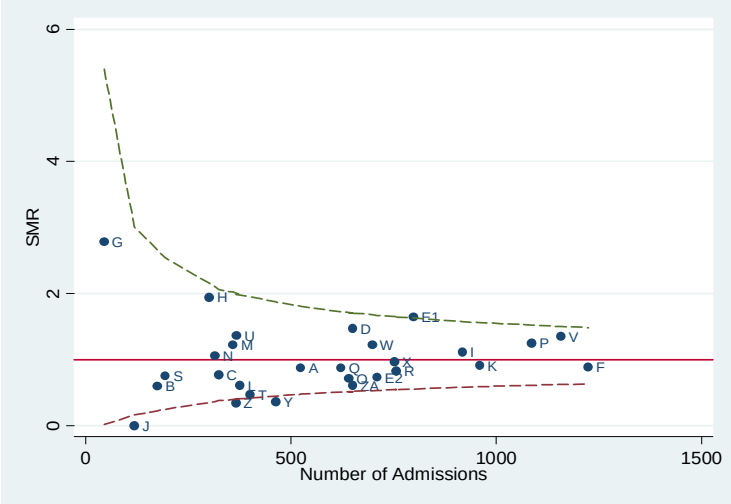


Figure 47b PICU Standardised mortality ratios by NHS trust with 99.9% control limits, 2007:PIM2 adjusted

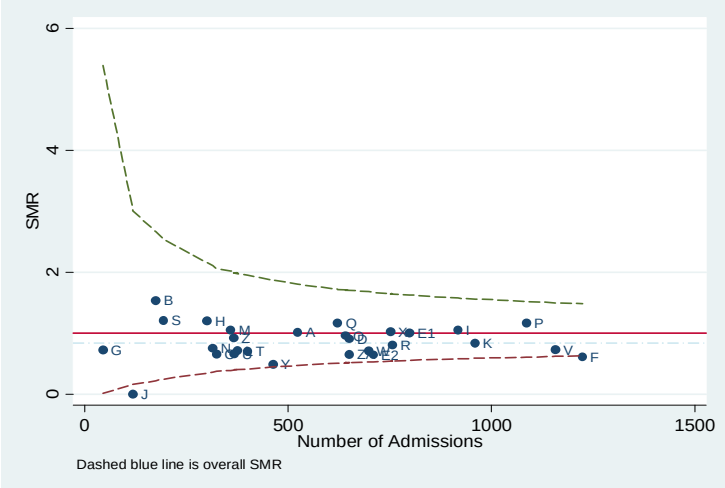


Table 48 Standardised mortality ratios by trust, 2008

NHS Trust	Number of	Standardised Mortality Ratio Unadjusted (95% CI) SMR	Lower	Upper	PIM2 Adjusted (95% CI) SMR	Lower	Upper
A	477	**0.61**	0.32	1.03	**1.09**	0.59	1.85
B	289	**0.00**	0.00	0.28	**0.00**	0.00	0.74
C	309	**0.79**	0.40	1.40	**0.58**	0.29	1.01
D	673	**1.42**	1.04	1.89	**0.90**	0.66	1.20
E1	903	**2.12**	1.71	2.58	**1.02**	0.82	1.25
E2	685	**0.78**	0.50	1.15	**0.68**	0.44	1.01
F	1,176	**1.10**	0.84	1.41	**0.72**	0.55	0.93
G	32	**4.86**	2.06	8.88	**1.70**	0.72	3.10
H	403	**1.27**	0.81	1.88	**0.85**	0.54	1.25
I	835	**1.36**	1.02	1.77	**1.03**	0.77	1.34
J	131	**0.00**	0.00	0.62	**0.00**	0.00	1.11
K	943	**0.75**	0.52	1.06	**0.63**	0.43	0.88
L	353	**0.88**	0.49	1.46	**0.97**	0.53	1.60
M	390	**0.74**	0.40	1.25	**0.67**	0.36	1.14
N	303	**1.47**	0.91	2.22	**0.71**	0.44	1.07
O	610	**0.51**	0.28	0.85	**0.78**	0.43	1.30
P	1,149	**1.03**	0.77	1.33	**0.91**	0.69	1.18
Q	593	**0.56**	0.32	0.92	**0.66**	0.37	1.09
R	723	**0.77**	0.50	1.13	**0.61**	0.40	0.89
S	202	**0.66**	0.24	1.41	**0.86**	0.32	1.84
T	490	**0.54**	0.28	0.94	**0.50**	0.26	0.86
U	306	**1.74**	1.13	2.54	**1.05**	0.68	1.53
V	1,115	**1.71**	1.38	2.10	**0.77**	0.62	0.95
W	749	**0.86**	0.58	1.23	**0.49**	0.33	0.70
X	785	**0.93**	0.65	1.30	**0.96**	0.66	1.33
Y	483	**0.46**	0.22	0.84	**0.54**	0.26	0.98
Z	401	**0.11**	0.01	0.40	**0.20**	0.02	0.72
ZA	947	**0.75**	0.52	1.05	**0.93**	0.64	1.31
ZB	258	**1.38**	0.80	2.19	**1.08**	0.63	1.72

NB: Risk adjusted result for Trust ZB corrected to allow for data problem

Figure 48a PICU Standardised mortality ratios by NHS trust with 99.9% control limits, 2008: unadjusted

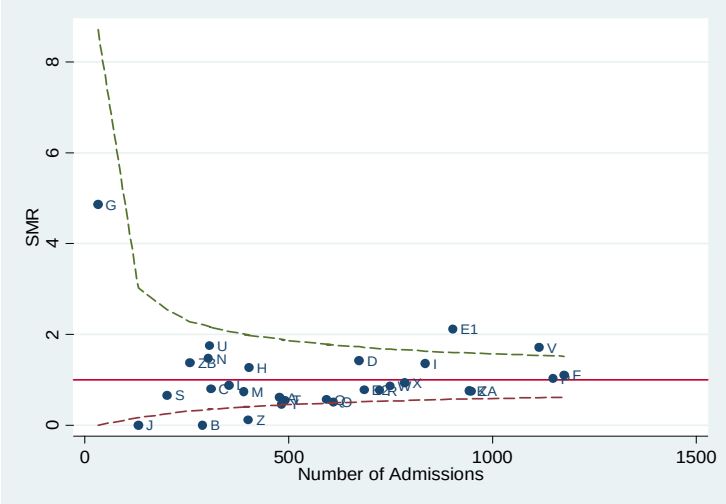


Figure 48b PICU Standardised mortality ratios by NHS trust with 99.9% control limits, 2008: PIM 2 adjusted

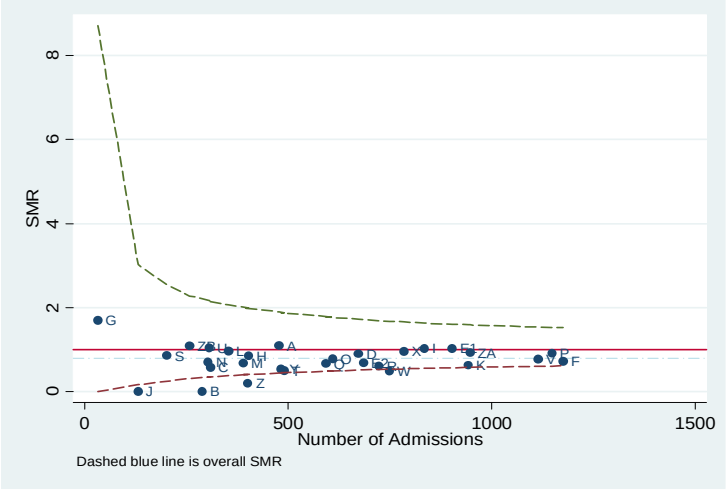


Table 49 Standardised mortality ratios by trust, 2009

NHS Trust	Number of	Standardised Mortality Ratio Unadjusted (95% CI) SMR	Lower	Upper	PIM2 Adjusted (95% CI) SMR	Lower	Upper
A	533	**0.86**	0.52	1.33	**1.06**	0.64	1.64
B	483	**0.05**	0.00	0.28	**0.20**	0.00	1.08
C	344	**0.84**	0.44	1.45	**0.50**	0.26	0.86
D	734	**0.89**	0.59	1.28	**0.71**	0.47	1.02
E1	1,116	**1.56**	1.22	1.94	**0.78**	0.61	0.97
E2	740	**0.94**	0.64	1.35	**0.66**	0.44	0.93
F	1,167	**0.99**	0.73	1.31	**0.60**	0.44	0.79
G	32	**1.51**	0.18	5.02	**0.80**	0.10	2.65
H	578	**1.13**	0.75	1.62	**1.05**	0.70	1.51
I	816	**1.54**	1.16	1.99	**1.29**	0.97	1.68
J	118	**0.20**	0.01	1.12	**0.54**	0.01	2.97
K	891	**0.87**	0.60	1.21	**0.65**	0.45	0.91
L	338	**0.78**	0.39	1.39	**0.84**	0.42	1.48
M	365	**1.45**	0.92	2.17	**0.86**	0.54	1.28
N	348	**1.45**	0.91	2.19	**0.87**	0.54	1.30
O	695	**0.42**	0.22	0.72	**0.71**	0.37	1.23
P	1,123	**1.18**	0.89	1.53	**0.89**	0.67	1.15
Q	461	**0.94**	0.56	1.47	**0.69**	0.41	1.08
R	779	**0.46**	0.26	0.76	**0.35**	0.20	0.57
S	173	**0.00**	0.00	0.51	**0.00**	0.00	0.89
T	510	**1.09**	0.69	1.61	**1.04**	0.66	1.54
U	337	**1.65**	1.05	2.43	**0.93**	0.60	1.38
V	1,339	**1.58**	1.28	1.94	**0.80**	0.65	0.98
W	633	**1.22**	0.84	1.70	**0.72**	0.49	1.00
X	821	**0.79**	0.53	1.14	**0.65**	0.43	0.94
Y	447	**0.49**	0.22	0.91	**0.67**	0.31	1.27
Z	399	**0.30**	0.10	0.70	**0.68**	0.22	1.57
ZA	959	**0.80**	0.55	1.13	**1.07**	0.74	1.51
ZB	486	**1.09**	0.69	1.63	**0.95**	0.60	1.42

NB: Risk adjusted result for Trust ZB corrected to allow for data problem

Figure 49a PICU Standardised mortality ratios by NHS trust with 99.9% control limits, 2009: unadjusted

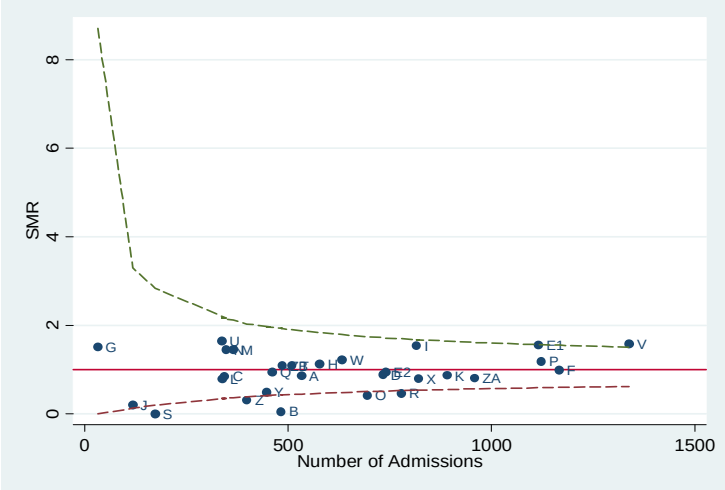


Figure 49b PICU Standardised mortality ratios by NHS trust with 99.9% control limits, 2009: PIM2 adjusted

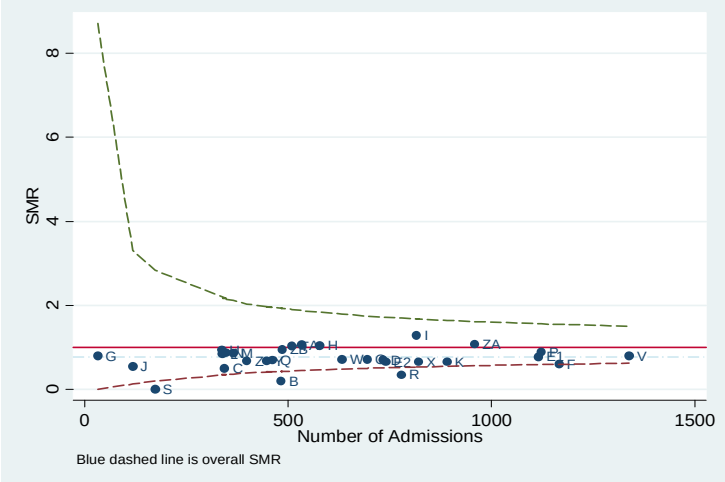


Table 50 Standardised mortality ratios combined by trust, 2007 - 2009

NHS Trust	Number of	Standardised Mortality Ratio Unadjusted (95% CI) SMR	Lower	Upper	PIM2 Adjusted (95% CI) SMR	Lower	Upper
A	1,534	**0.79**	0.59	1.02	**1.05**	0.79	1.36
B	947	**0.14**	0.05	0.31	**0.45**	0.17	0.98
C	977	**0.80**	0.56	1.11	**0.57**	0.40	0.79
D	2,058	**1.26**	1.05	1.50	**0.85**	0.71	1.01
E1	2,818	**1.75**	1.54	1.99	**0.92**	0.81	1.05
E2	2,135	**0.82**	0.65	1.02	**0.66**	0.52	0.82
F	3,567	**0.99**	0.85	1.15	**0.64**	0.55	0.75
G	109	**3.08**	1.77	4.85	**1.01**	0.58	1.59
H	1,282	**1.36**	1.08	1.69	**1.02**	0.81	1.27
I	2,569	**1.32**	1.13	1.54	**1.12**	0.95	1.30
J	368	**0.06**	0.00	0.34	**0.12**	0.00	0.69
K	2,794	**0.85**	0.70	1.02	**0.71**	0.58	0.85
L	1,067	**0.75**	0.53	1.04	**0.84**	0.59	1.16
M	1,114	**1.12**	0.85	1.45	**0.87**	0.66	1.12
N	966	**1.32**	1.01	1.70	**0.77**	0.59	0.99
O	1,946	**0.55**	0.41	0.73	**0.83**	0.62	1.10
P	3,358	**1.15**	0.99	1.33	**0.99**	0.85	1.14
Q	1,676	**0.79**	0.60	1.01	**0.83**	0.64	1.07
R	2,259	**0.69**	0.54	0.87	**0.58**	0.45	0.73
S	569	**0.51**	0.27	0.87	**0.77**	0.41	1.31
T	1,401	**0.70**	0.51	0.94	**0.74**	0.54	0.99
U	1,011	**1.57**	1.24	1.96	**0.85**	0.67	1.06
V	3,612	**1.54**	1.36	1.74	**0.77**	0.68	0.87
W	2,080	**1.10**	0.90	1.32	**0.63**	0.52	0.76
X	2,358	**0.90**	0.73	1.10	**0.86**	0.70	1.05
Y	1,393	**0.43**	0.29	0.63	**0.56**	0.37	0.81
Z	1,166	**0.25**	0.13	0.42	**0.55**	0.29	0.93
ZA	2,557	**0.73**	0.58	0.90	**0.89**	0.71	1.10
ZB	744	**1.14**	0.81	1.55	**1.00**	0.71	1.36

Table and figures for Trust ZB based on 2 years data ; others on 3.
NB: Risk adjusted result for Trust ZB corrected to allow for data problem

Figure 50a PICU Standardised mortality ratios by NHS trust with 99.9% control limits, 2007-9: unadjusted

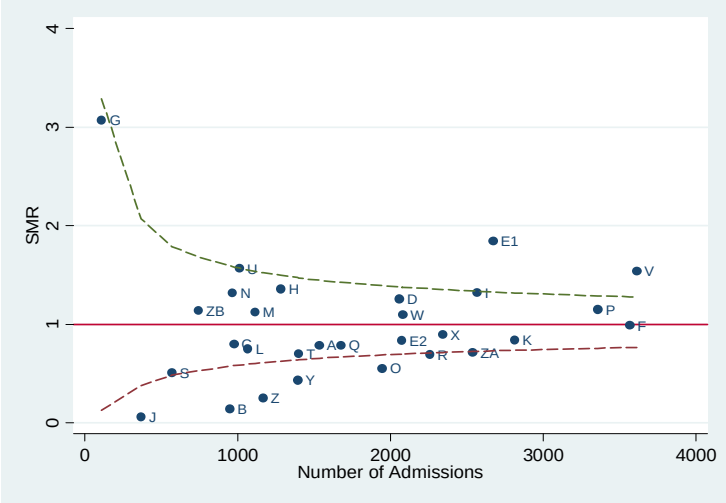


Figure 50b PICU Standardised mortality ratios by NHS trust with 99.9% control limits, 2007-9: PIM 2 adjusted

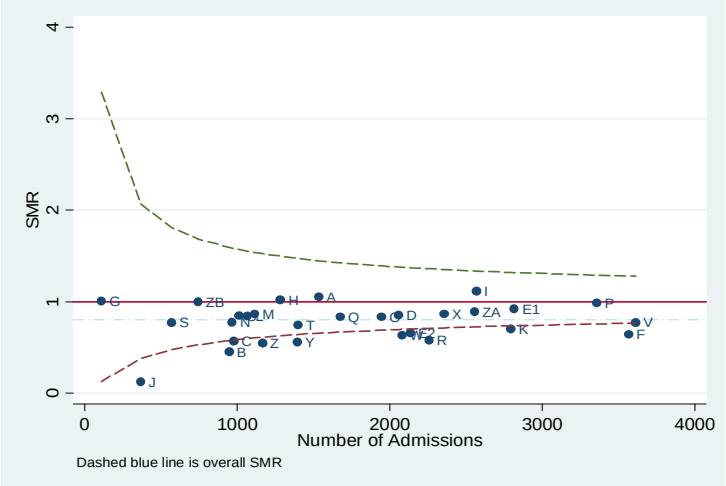
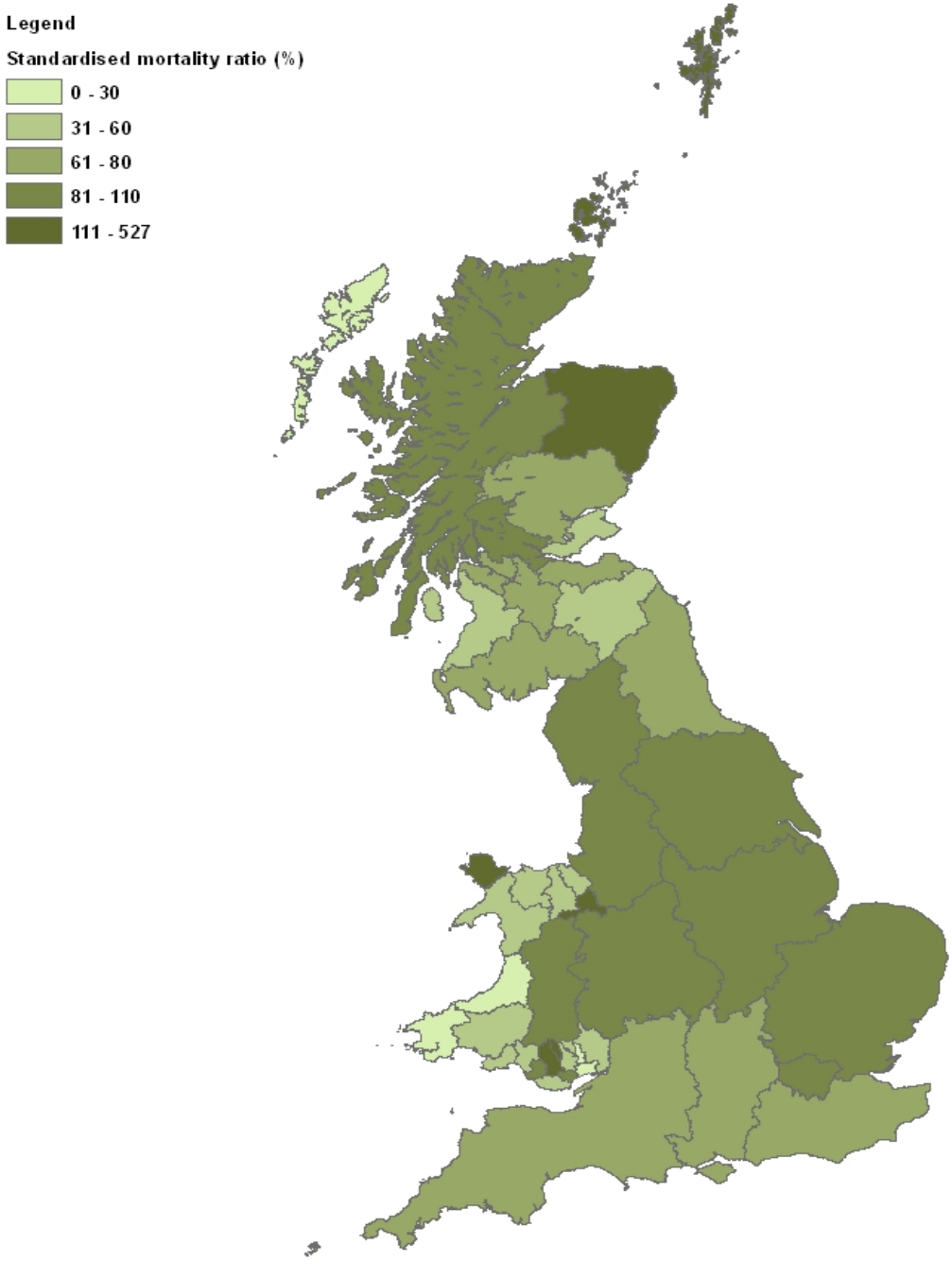


Fig 50c Standardised mortality ratios by SHA/HB in Great Britain 2007-2009



The very high figure for Orkney is based on 1 death so carries a very wide confidence interval

Table 51 Admissions by follow-up status and age, 2007 - 2009

Follow-Up Status	Age Group (Years)								Total	
	<1		1-4		5-10		11-15			
	n	%	n	%	n	%	n	%	n	%
Alive	10,368	(46)	5,775	(26)	2,903	(13)	3,358	(15)	**22,404**	**(45.7)**
Dead	394	(62)	118	(19)	68	(11)	57	(9)	**637**	**(1.3)**
Unknown	12,278	(47)	6,837	(26)	3,633	(14)	3,214	(12)	**25,962**	**(53.0)**
Total	**23,040**	**(47.0)**	**12,730**	**(26.0)**	**6,604**	**(13.5)**	**6,629**	**(13.5)**	**49,003**	

Table 52 Admissions by follow-up status and age (<1), 2007 - 2009

Follow-Up Status	Age Group (Months)								Total	
	<1		1-2		3-5		6-11			
	n	%	n	%	n	%	n	%	n	%
Alive	3,578	(35)	2,647	(26)	1,982	(19)	2,161	(21)	**10,368**	**(45.0)**
Dead	181	(46)	83	(21)	66	(17)	64	(16)	**394**	**(1.7)**
Unknown	4,164	(34)	2,866	(23)	2,469	(20)	2,779	(23)	**12,278**	**(53.3)**
Total	**7,923**	**(34.4)**	**5,596**	**(24.3)**	**4,517**	**(19.6)**	**5,004**	**(21.7)**	**23,040**	

Table 53 Admissions by follow-up status and sex, 2007 - 2009

Follow-Up Status	Sex									
	Male		Female		Ambiguous		Unknown		Total	
	n	%	n	%	n	%	n	%	n	%
Alive	12,672	(57)	9,724	(43)	7	(0)	1	(0)	**22,404**	**(45.7)**
Dead	332	(52)	304	(48)	0	(0)	1	(0)	**637**	**(1.3)**
Unknown	14,490	(56)	11,448	(44)	11	(0)	13	(0)	**25,962**	**(53.0)**
Total	**27,494**	**(56.1)**	**21,476**	**(43.8)**	**18**	**(0.0)**	**15**	**(0.0)**	**49,003**	

Table 54 Admissions by follow-up status and sex (age<1), 2007 - 2009

Follow-Up Status	Sex									
	Male		Female		Ambiguous		Unknown		Total	
	n	%	n	%	n	%	n	%	n	%
Alive	6,149	(59)	4,214	(41)	4	(0)	1	(0)	**10,368**	**(45.0)**
Dead	224	(57)	169	(43)	0	(0)	1	(0)	**394**	**(1.7)**
Unknown	6,970	(57)	5,299	(43)	7	(0)	2	(0)	**12,278**	**(53.3)**
Total	**13,343**	**(57.9)**	**9,682**	**(42.0)**	**11**	**(0.0)**	**4**	**(0.0)**	**23,040**	

Table 55 Admissions by follow-up status by NHS trust, 2007 - 2009

Admission year	NHS Trust	Follow-Up Status: Alive n	Alive %	Dead n	Dead %	Unknown n	Unknown %	Total n	Total %
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)**
	E1	0	(0)	0	(0)	792	(100)	**792**	**(5.1)**
	E2	0	(0)	0	(0)	695	(100)	**695**	**(4.5)**
	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)	298	(99)	**301**	**(1.9)**
	I	833	(92)	19	(2)	49	(5)	**901**	**(5.8)**
	J	109	(92)	4	(3)	6	(5)	**119**	**(0.8)**
	K	241	(26)	8	(1)	686	(73)	**935**	**(6.0)**
	L	282	(79)	6	(2)	67	(19)	**355**	**(2.3)**
	M	272	(78)	4	(1)	73	(21)	**349**	**(2.2)**
	N	196	(62)	6	(2)	112	(36)	**314**	**(2.0)**
	O	0	(0)	0	(0)	639	(100)	**639**	**(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**	**(4.6)**
	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	177	(15)	9	(1)	965	(84)	**1,151**	**(7.4)**
	W	0	(0)	0	(0)	689	(100)	**689**	**(4.4)**
	X	514	(71)	16	(2)	198	(27)	**728**	**(4.7)**
	Y	405	(96)	0	(0)	19	(4)	**424**	**(2.7)**
	Z	217	(60)	0	(0)	142	(40)	**359**	**(2.3)**
	ZA	20	(3)	0	(0)	616	(97)	**636**	**(4.1)**
2007 Total		**7,783**	**(49.9)**	**214**	**(1.4)**	**7,611**	**(48.8)**	**15,608**	
2008	**A**	0	(0)	1	(0)	469	(100)	**470**	**(2.9)**
	B	210	(74)	3	(1)	72	(25)	**285**	**(1.8)**
	C	293	(95)	2	(1)	12	(4)	**307**	**(1.9)**
	D	322	(49)	17	(3)	317	(48)	**656**	**(4.0)**
	E1	0	(0)	0	(0)	892	(100)	**892**	**(5.5)**
	E2	0	(0)	0	(0)	670	(100)	**670**	**(4.1)**
	F	1,071	(93)	85	(7)	0	(0)	**1,156**	**(7.1)**
	G	25	(78)	0	(0)	7	(22)	**32**	**(0.2)**
	H	2	(1)	0	(0)	390	(99)	**392**	**(2.4)**
	I	765	(93)	11	(1)	51	(6)	**827**	**(5.1)**
	J	118	(91)	4	(3)	7	(5)	**129**	**(0.8)**
	K	311	(34)	3	(0)	605	(66)	**919**	**(5.6)**
	L	250	(78)	5	(2)	64	(20)	**319**	**(2.0)**
	M	258	(72)	3	(1)	99	(28)	**360**	**(2.2)**
	N	13	(4)	2	(1)	285	(95)	**300**	**(1.8)**
	O	0	(0)	1	(0)	609	(100)	**610**	**(3.7)**
	P	1,031	(93)	19	(2)	62	(6)	**1,112**	**(6.8)**
	Q	519	(91)	13	(2)	39	(7)	**571**	**(3.5)**
	R	638	(93)	10	(1)	36	(5)	**684**	**(4.2)**
	S	169	(86)	3	(2)	24	(12)	**196**	**(1.2)**
	T	0	(0)	0	(0)	475	(100)	**475**	**(2.9)**
	U	0	(0)	0	(0)	301	(100)	**301**	**(1.8)**
	V	0	(0)	0	(0)	1,102	(100)	**1,102**	**(6.8)**
	W	0	(0)	0	(0)	731	(100)	**731**	**(4.5)**
	X	480	(63)	19	(2)	262	(34)	**761**	**(4.7)**
	Y	436	(96)	0	(0)	17	(4)	**453**	**(2.8)**
	Z	78	(20)	3	(1)	312	(79)	**393**	**(2.4)**
	ZA	0	(0)	0	(0)	924	(100)	**924**	**(5.7)**
	ZB	235	(91)	3	(1)	19	(7)	**257**	**(1.6)**
2008 Total		**7,224**	**(44.4)**	**207**	**(1.3)**	**8,853**	**(54.4)**	**16,284**	
2009	**A**	0	(0)	0	(0)	527	(100)	**527**	**(3.1)**
	B	330	(72)	1	(0)	125	(27)	**456**	**(2.7)**
	C	321	(94)	10	(3)	12	(3)	**343**	**(2.0)**
	D	574	(81)	14	(2)	119	(17)	**707**	**(4.1)**
	E1	0	(0)	0	(0)	954	(100)	**954**	**(5.6)**
	E2	0	(0)	0	(0)	666	(100)	**666**	**(3.9)**
	F	1,066	(93)	81	(7)	4	(0)	**1,151**	**(6.7)**
	G	29	(91)	0	(0)	3	(9)	**32**	**(0.2)**
	H	1	(0)	0	(0)	571	(100)	**572**	**(3.3)**
	I	734	(92)	14	(2)	54	(7)	**802**	**(4.7)**
	J	50	(43)	3	(3)	64	(55)	**117**	**(0.7)**
	K	181	(20)	7	(1)	708	(79)	**896**	**(5.2)**
	L	236	(77)	3	(1)	66	(22)	**305**	**(1.8)**
	M	235	(69)	5	(1)	103	(30)	**343**	**(2.0)**
	N	5	(1)	0	(0)	340	(99)	**345**	**(2.0)**
	O	0	(0)	0	(0)	693	(100)	**693**	**(4.1)**
	P	1,015	(92)	19	(2)	69	(6)	**1,103**	**(6.4)**
	Q	400	(90)	13	(3)	31	(7)	**444**	**(2.6)**
	R	692	(94)	16	(2)	32	(4)	**740**	**(4.3)**
	S	153	(89)	0	(0)	18	(11)	**171**	**(1.0)**
	T	0	(0)	0	(0)	494	(100)	**494**	**(2.9)**
	U	0	(0)	1	(0)	334	(100)	**335**	**(2.0)**
	V	0	(0)	0	(0)	1,314	(100)	**1,314**	**(7.7)**
	W	0	(0)	0	(0)	623	(100)	**623**	**(3.6)**
	X	560	(71)	14	(2)	211	(27)	**785**	**(4.6)**
	Y	382	(95)	2	(0)	17	(4)	**401**	**(2.3)**
	Z	2	(1)	1	(0)	392	(99)	**395**	**(2.3)**
	ZA	0	(0)	1	(0)	919	(100)	**920**	**(5.4)**
	ZB	431	(90)	11	(2)	35	(7)	**477**	**(2.8)**
2009 Total		**7,397**	**(43.2)**	**216**	**(1.3)**	**9,498**	**(55.5)**	**17,111**	
Grand Total		**22,404**	**(45.7)**	**637**	**(1.3)**	**25,962**	**(53.0)**	**49,003**	

Table 56 Re-Admissions by NHS trust and source of previous admission, 2007 - 2009

NHS Trust	Source of Previous Admission							
	Same NHS Trust		Other NHS Trust		No Previous Admission		Total	
	n	%	n	%	n	%	n	%
A	378	(25)	59	(4)	1,072	(71)	**1,509**	**(3.1)**
B	189	(21)	40	(4)	683	(75)	**912**	**(1.9)**
C	187	(19)	30	(3)	750	(78)	**967**	**(2.0)**
D	512	(26)	98	(5)	1,392	(70)	**2,002**	**(4.1)**
E1	533	(20)	304	(12)	1,801	(68)	**2,638**	**(5.4)**
E2	494	(24)	284	(14)	1,253	(62)	**2,031**	**(4.1)**
F	1,060	(30)	260	(7)	2,184	(62)	**3,504**	**(7.2)**
G	9	(8)	8	(7)	92	(84)	**109**	**(0.2)**
H	303	(24)	89	(7)	873	(69)	**1,265**	**(2.6)**
I	722	(29)	102	(4)	1,706	(67)	**2,530**	**(5.2)**
J	33	(9)	17	(5)	315	(86)	**365**	**(0.7)**
K	968	(35)	95	(3)	1,687	(61)	**2,750**	**(5.6)**
L	257	(26)	59	(6)	663	(68)	**979**	**(2.0)**
M	219	(21)	85	(8)	748	(71)	**1,052**	**(2.1)**
N	207	(22)	36	(4)	716	(75)	**959**	**(2.0)**
O	691	(36)	89	(5)	1,162	(60)	**1,942**	**(4.0)**
P	977	(30)	97	(3)	2,208	(67)	**3,282**	**(6.7)**
Q	422	(26)	75	(5)	1,124	(69)	**1,621**	**(3.3)**
R	597	(28)	39	(2)	1,513	(70)	**2,149**	**(4.4)**
S	139	(25)	30	(5)	388	(70)	**557**	**(1.1)**
T	326	(24)	95	(7)	933	(69)	**1,354**	**(2.8)**
U	135	(13)	124	(12)	744	(74)	**1,003**	**(2.0)**
V	1,133	(32)	187	(5)	2,247	(63)	**3,567**	**(7.3)**
W	551	(27)	58	(3)	1,434	(70)	**2,043**	**(4.2)**
X	687	(30)	110	(5)	1,477	(65)	**2,274**	**(4.6)**
Y	197	(15)	14	(1)	1,067	(83)	**1,278**	**(2.6)**
Z	243	(21)	103	(9)	801	(70)	**1,147**	**(2.3)**
ZA	528	(21)	45	(2)	1,907	(77)	**2,480**	**(5.1)**
ZB	139	(19)	3	(0)	592	(81)	**734**	**(1.5)**
Total	**12,836**	**(26.2)**	**2,635**	**(5.4)**	**33,532**	**(68.4)**	**49,003**	

Table 57 Number of admissions of individual children by their NHS trust of first admission, 2007 - 2009

NHS Trust	Number of Admissions																Total	
	1		2		3		4		5		6		7		8+			
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
A	885	(73)	196	(16)	70	(6)	27	(2)	11	(1)	7	(1)	4	(0)	9	(1)	**1,209**	**(3.3)**
B	546	(75)	106	(15)	28	(4)	23	(3)	12	(2)	3	(0)	5	(1)	6	(1)	**729**	**(2.0)**
C	643	(80)	104	(13)	24	(3)	18	(2)	12	(1)	3	(0)	0	(0)	0	(0)	**804**	**(2.2)**
D	1,124	(75)	198	(13)	74	(5)	42	(3)	23	(2)	11	(1)	7	(0)	19	(1)	**1,498**	**(4.1)**
E	2,426	(72)	532	(16)	206	(6)	90	(3)	46	(1)	27	(1)	18	(1)	25	(1)	**3,370**	**(9.2)**
F	1,617	(67)	416	(17)	166	(7)	107	(4)	51	(2)	17	(1)	19	(1)	26	(1)	**2,419**	**(6.6)**
G	63	(62)	26	(26)	7	(7)	4	(4)	0	(0)	0	(0)	1	(1)	0	(0)	**101**	**(0.3)**
H	678	(74)	154	(17)	44	(5)	18	(2)	12	(1)	5	(1)	2	(0)	5	(1)	**918**	**(2.5)**
I	1,378	(72)	300	(16)	128	(7)	56	(3)	25	(1)	14	(1)	6	(0)	13	(1)	**1,920**	**(5.3)**
J	263	(81)	40	(12)	7	(2)	7	(2)	1	(0)	0	(0)	2	(1)	3	(1)	**323**	**(0.9)**
K	1,298	(69)	288	(15)	143	(8)	50	(3)	37	(2)	18	(1)	12	(1)	24	(1)	**1,870**	**(5.1)**
L	542	(76)	85	(12)	35	(5)	18	(3)	7	(1)	6	(1)	7	(1)	14	(2)	**714**	**(2.0)**
M	633	(77)	97	(12)	47	(6)	24	(3)	7	(1)	7	(1)	4	(0)	5	(1)	**824**	**(2.3)**
N	606	(78)	103	(13)	36	(5)	18	(2)	5	(1)	4	(1)	0	(0)	5	(1)	**777**	**(2.1)**
O	809	(61)	282	(21)	115	(9)	51	(4)	31	(2)	17	(1)	5	(0)	8	(1)	**1,318**	**(3.6)**
P	1,814	(74)	381	(15)	132	(5)	45	(2)	35	(1)	20	(1)	8	(0)	33	(1)	**2,468**	**(6.8)**
Q	916	(76)	165	(14)	46	(4)	31	(3)	18	(1)	17	(1)	3	(0)	15	(1)	**1,211**	**(3.3)**
R	1,220	(75)	241	(15)	84	(5)	40	(2)	17	(1)	13	(1)	4	(0)	17	(1)	**1,636**	**(4.5)**
S	309	(73)	73	(17)	22	(5)	6	(1)	1	(0)	5	(1)	0	(0)	5	(1)	**421**	**(1.2)**
T	764	(77)	122	(12)	49	(5)	19	(2)	16	(2)	1	(0)	2	(0)	14	(1)	**987**	**(2.7)**
U	645	(81)	86	(11)	34	(4)	13	(2)	7	(1)	2	(0)	3	(0)	7	(1)	**797**	**(2.2)**
V	1,722	(68)	472	(19)	202	(8)	66	(3)	31	(1)	28	(1)	10	(0)	17	(1)	**2,548**	**(7.0)**
W	1,160	(73)	256	(16)	81	(5)	41	(3)	31	(2)	5	(0)	6	(0)	9	(1)	**1,589**	**(4.4)**
X	1,143	(70)	262	(16)	103	(6)	52	(3)	26	(2)	20	(1)	10	(1)	21	(1)	**1,637**	**(4.5)**
Y	924	(84)	123	(11)	24	(2)	13	(1)	7	(1)	4	(0)	0	(0)	4	(0)	**1,099**	**(3.0)**
Z	2,699	(82)	406	(12)	111	(3)	47	(1)	22	(1)	8	(0)	1	(0)	6	(0)	**3,300**	**(9.0)**
Total	**26,827**	**(73.5)**	**5,514**	**(15.1)**	**2,018**	**(5.5)**	**926**	**(2.5)**	**491**	**(1.3)**	**262**	**(0.7)**	**139**	**(0.4)**	**310**	**(0.8)**	**36,487**	

Table 58 Number of individual children by NHS trust and diagnostic group of first admission, 2007 - 2009

NHS Trust	Diagnostic Group																													
	Blood / lymphatic		Body wall and cavities		Cardiovascular		Endocrine / metabolic		Gastrointestinal		Infection		Multisystem		Musculoskeletal		Neurological		Oncology		Respiratory		Trauma		Other		Missing		Total	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
A	19	(2)	20	(2)	36	(3)	44	(4)	95	(8)	67	(6)	8	(1)	75	(6)	210	(17)	151	(12)	267	(22)	73	(6)	78	(6)	66	(5)	**1,209**	**(3.3)**
B	12	(2)	17	(2)	20	(3)	53	(7)	116	(16)	49	(7)	0	(0)	8	(1)	70	(10)	5	(1)	305	(42)	24	(3)	50	(7)	0	(0)	**729**	**(2.0)**
C	8	(1)	10	(1)	23	(3)	22	(3)	21	(3)	103	(13)	0	(0)	126	(16)	136	(17)	25	(3)	243	(30)	42	(5)	45	(6)	0	(0)	**804**	**(2.2)**
D	10	(1)	17	(1)	86	(6)	60	(4)	87	(6)	136	(9)	5	(0)	70	(5)	272	(18)	65	(4)	514	(34)	94	(6)	82	(5)	0	(0)	**1,498**	**(4.1)**
E	23	(1)	105	(3)	1,462	(43)	108	(3)	242	(7)	111	(3)	7	(0)	71	(2)	275	(8)	101	(3)	623	(18)	134	(4)	107	(3)	1	(0)	**3,370**	**(9.2)**
F	14	(1)	9	(0)	926	(38)	65	(3)	34	(1)	163	(7)	2	(0)	157	(6)	192	(8)	4	(0)	706	(29)	33	(1)	103	(4)	11	(0)	**2,419**	**(6.6)**
G	0	(0)	0	(0)	6	(6)	0	(0)	0	(0)	14	(14)	0	(0)	0	(0)	42	(42)	1	(1)	21	(21)	7	(7)	10	(10)	0	(0)	**101**	**(0.3)**
H	18	(2)	10	(1)	20	(2)	23	(3)	157	(17)	37	(4)	0	(0)	7	(1)	186	(20)	75	(8)	180	(20)	56	(6)	131	(14)	18	(2)	**918**	**(2.5)**
I	14	(1)	13	(1)	769	(40)	45	(2)	94	(5)	96	(5)	2	(0)	79	(4)	170	(9)	103	(5)	346	(18)	86	(4)	87	(5)	16	(1)	**1,920**	**(5.3)**
J	7	(2)	18	(6)	7	(2)	17	(5)	77	(24)	17	(5)	1	(0)	0	(0)	34	(11)	2	(1)	103	(32)	5	(2)	29	(9)	6	(2)	**323**	**(0.9)**
K	33	(2)	126	(7)	576	(31)	23	(1)	215	(11)	91	(5)	7	(0)	34	(2)	179	(10)	115	(6)	296	(16)	75	(4)	99	(5)	1	(0)	**1,870**	**(5.1)**
L	4	(1)	3	(0)	35	(5)	22	(3)	25	(4)	38	(5)	0	(0)	58	(8)	127	(18)	2	(0)	341	(48)	31	(4)	28	(4)	0	(0)	**714**	**(2.0)**
M	5	(1)	14	(2)	43	(5)	31	(4)	47	(6)	64	(8)	2	(0)	77	(9)	111	(13)	64	(8)	248	(30)	54	(7)	64	(8)	0	(0)	**824**	**(2.3)**
N	7	(1)	23	(3)	273	(35)	17	(2)	27	(3)	28	(4)	5	(1)	18	(2)	115	(15)	26	(3)	168	(22)	33	(4)	37	(5)	0	(0)	**777**	**(2.1)**
O	1	(0)	3	(0)	1,135	(86)	3	(0)	7	(1)	14	(1)	0	(0)	6	(0)	2	(0)	12	(1)	108	(8)	0	(0)	8	(1)	19	(1)	**1,318**	**(3.6)**
P	15	(1)	112	(5)	1,041	(42)	31	(1)	143	(6)	151	(6)	12	(0)	44	(2)	213	(9)	70	(3)	475	(19)	105	(4)	56	(2)	0	(0)	**2,468**	**(6.8)**
Q	10	(1)	85	(7)	26	(2)	35	(3)	137	(11)	86	(7)	1	(0)	69	(6)	167	(14)	63	(5)	405	(33)	62	(5)	64	(5)	1	(0)	**1,211**	**(3.3)**
R	10	(1)	54	(3)	526	(32)	22	(1)	156	(10)	67	(4)	1	(0)	113	(7)	247	(15)	27	(2)	323	(20)	42	(3)	48	(3)	0	(0)	**1,636**	**(4.5)**
S	0	(0)	0	(0)	10	(2)	8	(2)	2	(0)	25	(6)	0	(0)	53	(13)	63	(15)	1	(0)	198	(47)	40	(10)	21	(5)	0	(0)	**421**	**(1.2)**
T	19	(2)	12	(1)	15	(2)	15	(2)	107	(11)	67	(7)	0	(0)	22	(2)	172	(17)	140	(14)	311	(32)	50	(5)	57	(6)	0	(0)	**987**	**(2.7)**
U	37	(5)	3	(0)	41	(5)	44	(6)	31	(4)	90	(11)	0	(0)	0	(0)	178	(22)	1	(0)	305	(38)	6	(1)	39	(5)	22	(3)	**797**	**(2.2)**
V	23	(1)	58	(2)	1,121	(44)	66	(3)	223	(9)	82	(3)	4	(0)	32	(1)	228	(9)	69	(3)	410	(16)	126	(5)	91	(4)	15	(1)	**2,548**	**(7.0)**
W	18	(1)	9	(1)	747	(47)	32	(2)	65	(4)	90	(6)	1	(0)	7	(0)	201	(13)	40	(3)	319	(20)	23	(1)	37	(2)	0	(0)	**1,589**	**(4.4)**
X	13	(1)	40	(2)	589	(36)	26	(2)	114	(7)	127	(8)	1	(0)	11	(1)	137	(8)	21	(1)	404	(25)	46	(3)	57	(3)	51	(3)	**1,637**	**(4.5)**
Y	8	(1)	30	(3)	30	(3)	18	(2)	56	(5)	92	(8)	6	(1)	249	(23)	130	(12)	48	(4)	336	(31)	61	(6)	33	(3)	2	(0)	**1,099**	**(3.0)**
Z	59	(2)	56	(2)	668	(20)	107	(3)	222	(7)	297	(9)	15	(0)	59	(2)	374	(11)	108	(3)	858	(26)	126	(4)	311	(9)	40	(1)	**3,300**	**(9.0)**
Total	**387**	**(1.1)**	**847**	**(2.3)**	**10,231**	**(28.0)**	**937**	**(2.6)**	**2,500**	**(6.9)**	**2,202**	**(6.0)**	**80**	**(0.2)**	**1,445**	**(4.0)**	**4,231**	**(11.6)**	**1,339**	**(3.7)**	**8,813**	**(24.2)**	**1,434**	**(3.9)**	**1,772**	**(4.9)**	**269**	**(0.7)**	**36,487**	

Table 59 Individual child admissions by diagnostic group and readmission status, 2007 - 2009

Diagnostic Group	Number of Admissions							
	Single		Multiple (1 trust)		Multiple (2+ trusts)		Total	
	n	%	n	%	n	%	n	%
Blood / lymphatic	280	(72)	88	(23)	19	(5)	**387**	**(1.1)**
Body wall and cavities	625	(74)	197	(23)	25	(3)	**847**	**(2.3)**
Cardiovascular	6,420	(63)	3,237	(32)	574	(6)	**10,231**	**(28.0)**
Endocrine / metabolic	760	(81)	129	(14)	48	(5)	**937**	**(2.6)**
Gastrointestinal	1,812	(72)	579	(23)	109	(4)	**2,500**	**(6.9)**
Infection	1,895	(86)	210	(10)	97	(4)	**2,202**	**(6.0)**
Missing	139	(52)	59	(22)	71	(26)	**269**	**(0.7)**
Multisystem	44	(55)	30	(38)	6	(8)	**80**	**(0.2)**
Musculoskeletal	1,156	(80)	251	(17)	38	(3)	**1,445**	**(4.0)**
Neurological	3,305	(78)	695	(16)	231	(5)	**4,231**	**(11.6)**
Oncology	983	(73)	312	(23)	44	(3)	**1,339**	**(3.7)**
Other	1,402	(79)	298	(17)	72	(4)	**1,772**	**(4.9)**
Respiratory	6,695	(76)	1,453	(16)	665	(8)	**8,813**	**(24.2)**
Trauma	1,311	(91)	88	(6)	35	(2)	**1,434**	**(3.9)**
Total	**26,827**	**(73.5)**	**7,626**	**(20.9)**	**2,034**	**(5.6)**	**36,487**	

Table 60 Age specific prevalence (per 100,000 per year) for admission to paediatric intensive care by SHA in Great Britain, 2007 - 2009

Sex	Age Group (Years)	Population	Prevalence Rates 2007 (95% CI)			2008 (95% CI)			2009 (95% CI)			2007-9 (95% CI)		
			Rate	Lower	Upper	Rate	Lower	Upper	Rate	Lower	Upper	Rate	Lower	Upper
Male	<1 year	390500	1071.4	1039.2	1103.7	1078.6	1046.2	1111	1118.1	1085.1	1151	1089.4	1070.6	1108.2
	1-4 years	1443300	171.7	164.9	178.4	170.4	163.6	177.1	181.7	174.8	188.7	174.6	170.7	178.5
	5-10 years	2031049	42.8	40	45.7	46	43.1	49	45.5	42.6	48.4	44.8	43.1	46.5
	11-15 years	1836694	59	55.5	62.5	60	56.5	63.5	57.8	54.3	61.3	58.9	56.9	61
Female	<1 year	372200	799.6	771	828.2	825.6	796.6	854.7	862.4	832.7	892.1	829.2	812.4	846
	1-4 years	1374700	138.8	132.6	145	147	140.6	153.4	142.7	136.4	149	142.8	139.2	146.5
	5-10 years	1940521	36.9	34.2	39.6	39.2	36.4	41.9	40	37.2	42.9	38.7	37.1	40.3
	11-15 years	1746899	57.6	54	61.1	59.3	55.7	62.9	63	59.2	66.7	60	57.9	62
Total		11135863	136.7	134.5	138.9	140.1	137.9	142.3	143.9	141.7	146.1	140.2	139	141.5

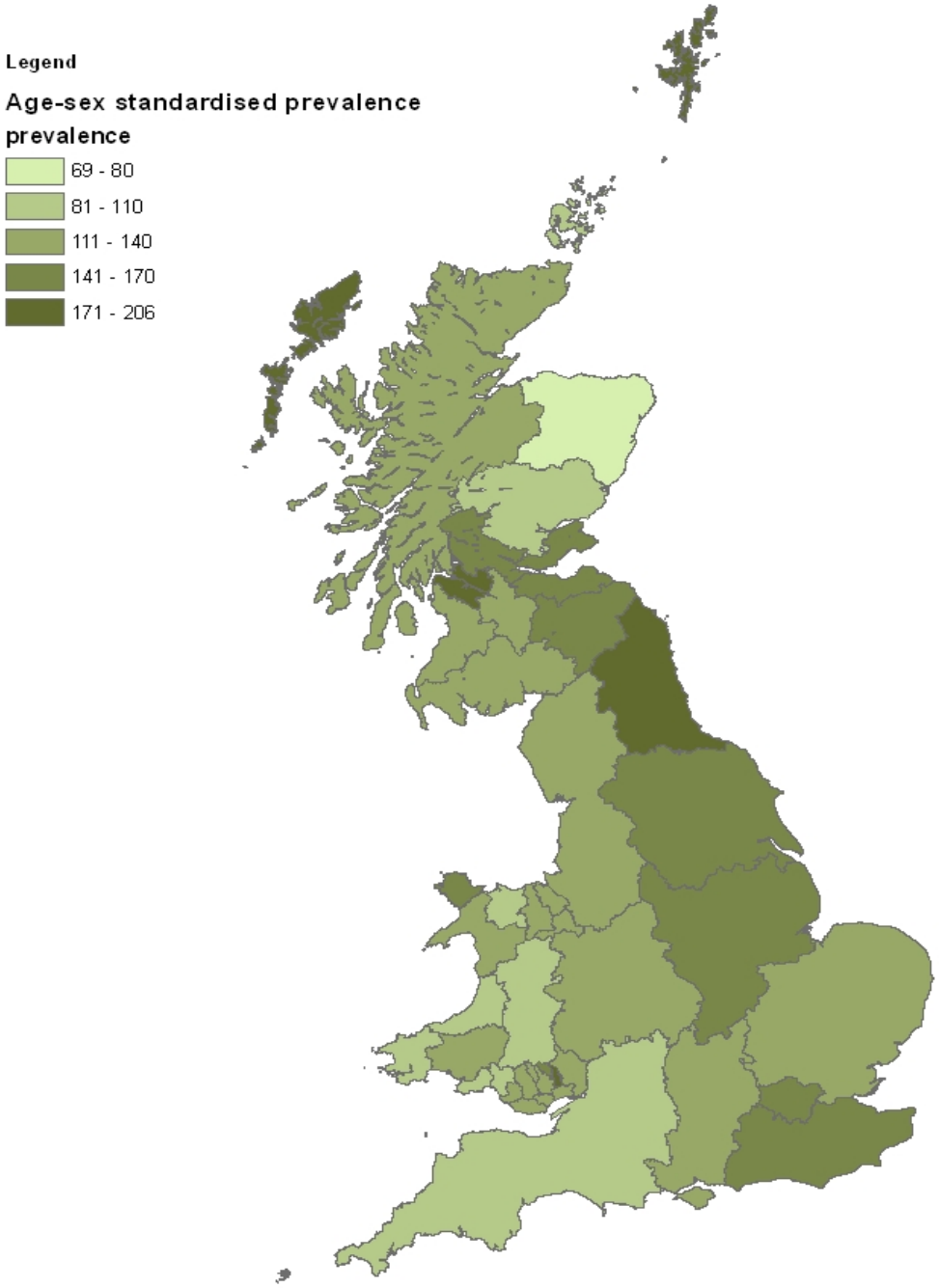
Populations for calculation of prevalence are taken from the Office of National Statistics 'mid-08 estimates'; adjustments have been made to match PICANet age groups.
Note that this table includes children in Scotland.
Glasgow did not submit data until Apr 07 so estimates of prevalence are slightly low for that year and overall

Table 61 Age-sex standardised prevalence (per 100,000 per year) for admissions to paediatric intensive care by SHA in Great Britain, 2007 - 2009

Country	SHA / HB	Population	Prevalence											
			2007 (95% CI)			2008 (95% CI)			2009 (95% CI)			2007 - 2009 (95% CI)		
			Rate	Lower	Upper	Rate	Lower	Upper	Rate	Lower	Upper	Rate	Lower	Upper
England	North East	**462053**	214.5	201.1	228	204	190.9	217.1	196.9	184	209.8	205.2	197.6	212.8
	North West	**1300231**	132.3	126	138.5	136.5	130.2	142.9	141.2	134.8	147.7	136.7	133	140.4
	Yorkshire and the Humber	**972817**	159.3	151.3	167.2	151	143.3	158.7	131.9	124.7	139.1	147.4	143	151.8
	East Midlands	**816771**	143.2	134.9	151.4	135.3	127.2	143.3	143.3	135	151.5	140.6	135.8	145.3
	West Midlands	**1051698**	132.4	125.4	139.4	135.6	128.6	142.7	148.9	141.5	156.3	139	134.9	143.1
	East of England	**1084440**	124.6	118	131.3	114.8	108.4	121.2	124.5	117.8	131.2	121.3	117.5	125.1
	London	**1472035**	157.5	151.4	163.6	164.4	158.1	170.6	175.1	168.6	181.5	165.6	162	169.2
	South East Coast	**811090**	143.1	134.7	151.5	158.9	150.1	167.7	190.6	181	200.3	164.2	159	169.4
	South Central	**776357**	109.7	102.3	117.1	111.3	103.9	118.8	117	109.4	124.7	112.7	108.4	117
	South West	**921974**	95.3	88.9	101.8	99.3	92.7	105.9	90.8	84.5	97.1	95.2	91.4	98.9
Wales	Monmouthshire	**16227**	104.8	51.2	158.4	107.8	54.2	161.4	175.9	105.1	246.6	129.5	94.9	164.1
	Gwynedd	**21209**	172.8	113.8	231.8	120.8	72.2	169.3	122.9	72.7	173.2	138.8	108.3	169.3
	Pembrokeshire	**22209**	80.1	41.9	118.3	131	80.6	181.4	116.1	69.6	162.7	109.1	82.9	135.3
	Ceredigion	**12027**	98.5	36.7	160.4	90.3	33.6	146.9	62.9	12.4	113.4	83.9	51.2	116.6
	Neath Port Talbot	**24920**	119.9	76.3	163.5	95	56.2	133.7	112.2	70	154.5	109	85	133
	Swansea	**40223**	87.8	58.8	116.9	90.1	60.7	119.4	87.9	58.8	117	88.6	71.8	105.4
	Conwy	**19156**	65.8	28.5	103.1	119.9	69.7	170	93.5	49.1	138	93.1	67.5	118.6
	Cardiff	**60027**	120.7	93.4	148	114.8	88.1	141.5	148.2	118.2	178.3	127.9	111.7	144.1
	Rhondda Cynon Taff Teachi	**44637**	143.9	108.5	179.3	100.4	70.8	129.9	149.4	113.5	185.4	131.2	111.7	150.7
	Anglesey	**12340**	151.4	81.5	221.3	188.7	110.3	267.2	135.8	69.4	202.2	158.6	117.2	200.1
	Caerphilly Teaching	**34154**	125	86.8	163.2	119	81.7	156.3	127.8	89.2	166.3	123.9	102	145.9
	Bridgend	**25461**	149.4	100.7	198	107.3	66.1	148.5	139.8	92.9	186.7	132.2	105.8	158.5
	Wrexham	**24905**	107.8	67.1	148.4	138.5	92.7	184.3	154.4	106.2	202.5	133.5	107.5	159.5
	Flintshire	**28352**	176.2	126.1	226.3	115.1	74.6	155.5	115.5	74.9	156.1	135.6	110.2	161
	Vale of Glamorgan	**24401**	106.2	64.6	147.8	143.9	95.1	192.7	117.8	73.4	162.1	122.6	96.6	148.6
	Carmarthenshire	**32735**	94.4	60	128.7	147.3	104.3	190.3	102.6	66.5	138.7	114.8	92.8	136.7
	Merthyr Tydfil	**10745**	127.6	60.8	194.4	101.5	41.5	161.5	101.8	41.7	161.9	110.3	74.3	146.3
	Newport	**28629**	103.2	65.7	140.7	135.6	91.9	179.2	136	92.8	179.1	124.9	100.9	148.9
	Denbighshire	**17504**	124.4	70	178.8	95.5	48.6	142.4	116.6	64.2	169.1	112.2	82.5	141.9
	Blaenau Gwent	**12774**	205	126.4	283.6	101	46	156.1	150.5	82.7	218.3	152.2	113	191.4
	Torfaen	**17323**	179.4	113.1	245.7	196.2	127.2	265.2	184.1	116.2	251.9	186.6	147.4	225.7
	Powys Teaching	**23142**	100	56.1	143.9	126.2	77.6	174.8	33.7	8.6	58.8	86.6	63.2	110
Scotland	Ayrshire & Arran	**64701**	96.1	71.8	120.5	149.5	119	180.1	135.6	106.6	164.6	127.1	110.9	143.3
	Borders	**19996**	181.8	120.7	242.9	152.4	96	208.7	162.1	105	219.1	165.4	131.8	199
	Fife	**65043**	131.7	103.6	159.8	144.8	115.4	174.2	152.1	121.9	182.3	142.9	126	159.8
	Greater Glasgow & Clyde	**209168**	151.6	134.8	168.3	212.5	192.7	232.3	175.7	157.6	193.7	179.9	169.4	190.5
	Highland	**53715**	110.5	81.8	139.3	132.9	101.1	164.8	112.6	83.1	142.2	118.7	101.3	136.1
	Lanarkshire	**106318**	110.9	90.6	131.3	153.5	129.6	177.4	153.3	129.4	177.1	139.2	126.1	152.4
	Grampian	**95076**	54.7	39.7	69.7	69.6	52.7	86.6	81.6	63.4	99.8	68.6	59	78.3
	Orkney	**3531**	123	2.2	243.8	52.4	0	124.8	67.5	0	160.7	80.9	24.6	137.3
	Lothian	**139926**	147.2	127.2	167.2	176.5	154.6	198.4	145.3	125.4	165.1	156.3	144.4	168.2
	Tayside	**68253**	109	83.8	134.1	105	80.3	129.8	112.8	87.2	138.5	108.9	94.4	123.5
	Forth Valley	**54108**	101.8	74.4	129.2	195.7	157.8	233.6	182.9	146.2	219.6	160.1	140.3	179.9
	Western Isles	**4490**	212.9	71.7	354	148.2	16.8	279.5	249.1	85.7	412.5	203.4	119	287.8
	Dumfries & Galloway	**24882**	150.8	100.1	201.6	145.8	95.9	195.6	118.5	73.7	163.3	138.4	110.3	166.4
	Shetland	**4090**	149	17.3	280.8	199.7	50.1	349.4	258.9	96.5	421.3	202.6	116.7	288.4
Total		**11135863**	**136.7**	**134.5**	**138.9**	**140.1**	**137.9**	**142.3**	**143.9**	**141.7**	**146.1**	**140.2**	**139**	**141.5**

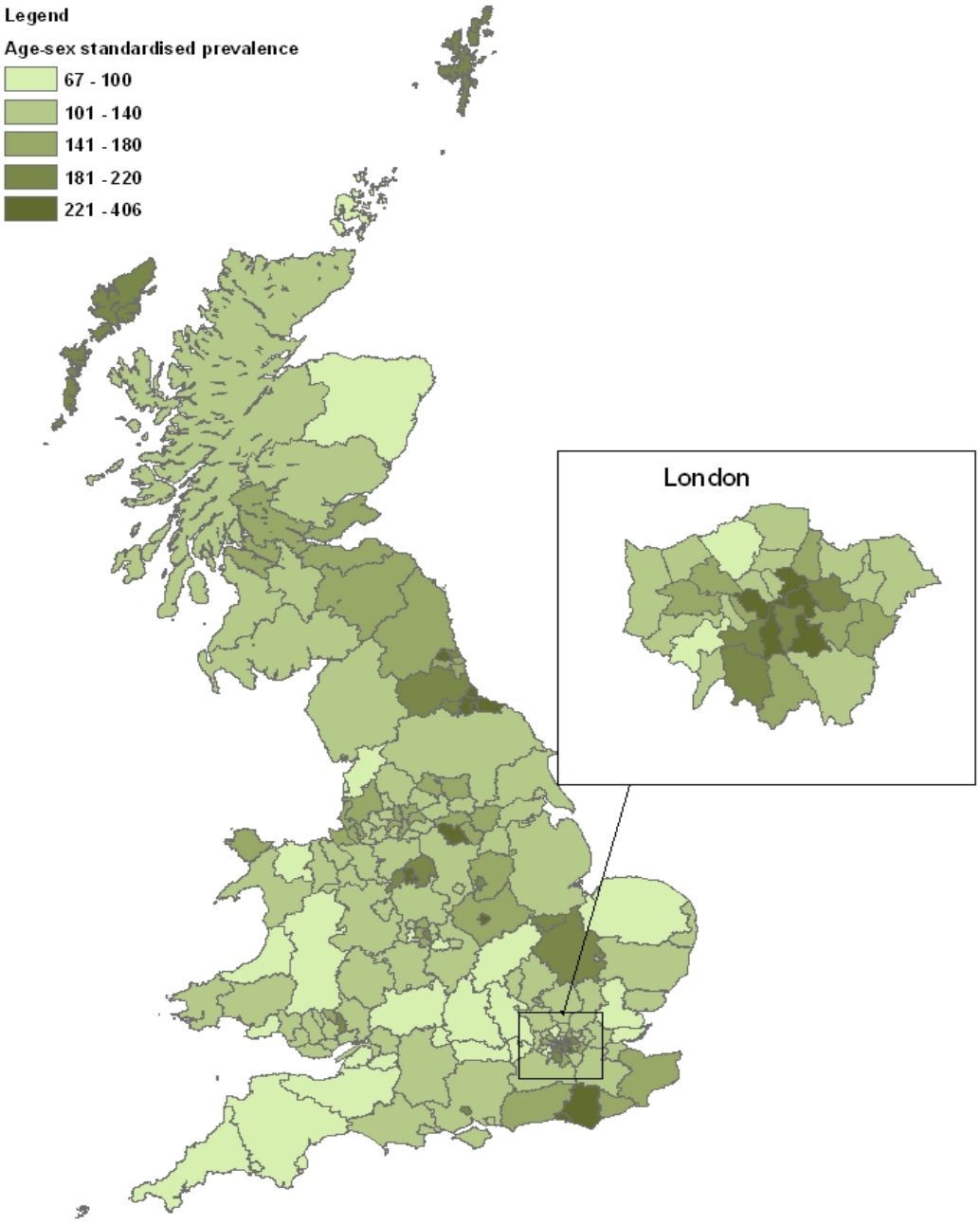
Populations for calculation of prevalence are taken from the Office of National Statistics 'mid-08 estimates'; adjustments have been made to match PICANet age groups.
Note that this table includes children in Scotland
Glasgow did not submit data until Apr 07 so relevant estimates of prevalence are low for that year and overall

Figure 61a Age-Sex standardised prevalence (per 100,000 per year) for admissions to paediatric intensive care by SHA in Great Britain, 2007-2009



Glasgow did not submit data until Apr 07 so relevant estimates of prevalence are slightly low

Figure 61b Age-Sex standardised prevalence (per 100,000 per year) for admissions to paediatric intensive care by PCO in Great Britain, 2007-2009



Glasgow did not submit data until Apr 07 so relevant estimates of prevalence are slightly low

Table 62 Admission of children to AICUs by age and sex, England, 2007-2009

Year	Sex	Age Group (years) <1 n	<1 %	1-4 n	1-4 %	5-10 n	5-10 %	11-15 n	11-15 %	Total n	Total %
	Male	109	(23)	121	(26)	91	(19)	153	(32)	474	(56.3)
2007	Female	70	(19)	91	(25)	63	(17)	140	(38)	364	(43.2)
	Unknown	0	(0)	0	(0)	2	(50)	2	(50)	4	(0.5)
2007 Total		179	(21)	212	(25)	156	(19)	28	(3)	842	
2008	Male	71	(24)	81	(27)	46	(15)	101	(34)	299	(61.4)
	Female	38	(20)	54	(29)	22	(12)	74	(39)	188	(38.6)
2008 Total		109	(22)	135	(28)	68	(14)	175	(36)	487	
2009	Male	65	(24)	74	(28)	48	(18)	79	(30)	266	(55.8)
	Female	46	(22)	50	(24)	35	(17)	80	(38)	211	(44.2)
2009 Total		111	(23)	124	(26)	83	(17)	159	(33)	477	
Grand Tot		399	(22)	471	(26)	307	(17)	362	(20)	1,806	

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

Note that data for 2008/9 is only available from ICNARC. In 2007 305 admissions were recorded from SWACIC but unfortunately this data is not available for later years.

Table 63 Admission of children to AICUs by age and month of admission, England, 2007-2009

		Age Group (years)									
		<1		1-4		5-10		11-15		Total	
		n	%	n	%	n	%	n	%	n	%
2007	January	20	(25)	(17)	(22)	15	(19)	(27)	(34)	**79**	**(9)**
	February	22	(27)	(20)	(24)	14	(17)	(26)	(32)	**82**	**(10)**
	March	14	(18)	(26)	(33)	11	(14)	(28)	(35)	**79**	**(9)**
	April	19	(23)	(20)	(25)	10	(12)	(32)	(40)	**81**	**(10)**
	May	7	(10)	(17)	(24)	14	(20)	(33)	(46)	**71**	**(8)**
	June	11	(21)	(19)	(36)	9	(17)	(14)	(26)	**53**	**(6)**
	July	8	(15)	(12)	(23)	8	(15)	(24)	(46)	**52**	**(6)**
	August	8	(14)	(9)	(16)	17	(30)	(23)	(40)	**57**	**(7)**
	September	11	(19)	(14)	(25)	15	(26)	(17)	(30)	**57**	**(7)**
	October	12	(22)	(12)	(22)	10	(18)	(21)	(38)	**55**	**(7)**
	November	26	(27)	(23)	(23)	24	(24)	(25)	(26)	**98**	**(12)**
	December	21	(27)	(23)	(29)	9	(12)	(25)	(32)	**78**	**(9)**
2007 Total		**179**	**(21)**	**212**	**(25)**	**156**	**(19)**	**295**	**(35)**	**842**	
2008	January	6	(15)	(14)	(34)	5	(12)	(16)	(39)	**41**	**(8)**
	February	4	(10)	(14)	(35)	12	(30)	(10)	(25)	**40**	**(8)**
	March	5	(14)	(9)	(26)	8	(23)	(13)	(37)	**35**	**(7)**
	April	6	(13)	(19)	(42)	5	(11)	(15)	(33)	**45**	**(9)**
	May	5	(11)	(15)	(32)	6	(13)	(21)	(45)	**47**	**(10)**
	June	4	(13)	(10)	(31)	5	(16)	(13)	(41)	**32**	**(7)**
	July	10	(29)	(4)	(12)	9	(26)	(11)	(32)	**34**	**(7)**
	August	11	(37)	(7)	(23)	3	(10)	(9)	(30)	**30**	**(6)**
	September	6	(16)	(8)	(22)	4	(11)	(19)	(51)	**37**	**(8)**
	October	10	(26)	(11)	(29)	2	(5)	(15)	(39)	**38**	**(8)**
	November	20	(41)	(10)	(20)	3	(6)	(16)	(33)	**49**	**(10)**
	December	22	(37)	(14)	(24)	6	(10)	(17)	(29)	**59**	**(12)**
2008 Total		**109**	**(22)**	**135**	**(28)**	**68**	**(14)**	**175**	**(36)**	**487**	
2009	January	16	(38)	(12)	(29)	7	(17)	(7)	(17)	**42**	**(9)**
	February	13	(31)	(12)	(29)	5	(12)	(12)	(29)	**42**	**(9)**
	March	10	(26)	(14)	(36)	4	(10)	(11)	(28)	**39**	**(8)**
	April	7	(20)	(8)	(23)	4	(11)	(16)	(46)	**35**	**(7)**
	May	10	(23)	(5)	(12)	8	(19)	(20)	(47)	**43**	**(9)**
	June	8	(15)	(13)	(24)	13	(24)	(20)	(37)	**54**	**(11)**
	July	7	(23)	(9)	(29)	5	(16)	(10)	(32)	**31**	**(6)**
	August	9	(26)	(10)	(29)	6	(18)	(9)	(26)	**34**	**(7)**
	September	5	(14)	(4)	(11)	9	(24)	(19)	(51)	**37**	**(8)**
	October	5	(13)	(14)	(35)	9	(23)	(12)	(30)	**40**	**(8)**
	November	7	(18)	(9)	(24)	8	(21)	(14)	(37)	**38**	**(8)**
	December	14	(33)	(14)	(33)	5	(12)	(9)	(21)	**42**	**(9)**
2009 Total		**111**	**(23)**	**124**	**(26)**	**83**	**(17)**	**159**	**(33)**	**477**	
Grand Total		**399**	**(22)**	**471**	**(26)**	**307**	**(17)**	**629**	**(35)**	**1806**	

Source: Intensive Care National Audit Research Centre and the South West Audit of Critically Ill Children
Note that data for 2008/9 is only available from ICNARC. In 2007 305 admissions were recorded from SWACIC but unfortunately this data is not available for later years.

Table 64 Admission of children to AICUs by age and diagnostic group, England, 2007-2009

Year	Diagnostic group	Age group (years) <1 n	<1 %	1-4 n	1-4 %	5-10 n	5-10 %	11-15 n	11-15 %	Total n	Total %
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)**
2008	Blood/lymph	0	0	0	0	1	50	1	50	**2**	**(0.4)**
	Body wall and cavities	0	0	1	50	0	0	1	50	**2**	**(0.4)**
	Cardiovascular	17	61	2	7	1	4	8	29	**28**	**(5.7)**
	Endocrine/Metabolic	2	11	2	11	6	33	8	44	**18**	**(3.7)**
	Gastrointestinal	8	28	1	3	4	14	16	55	**29**	**(6.0)**
	Infection	2	25	3	38	0	0	3	38	**8**	**(1.6)**
	Musculoskeletal	0	0	1	13	0	0	7	88	**8**	**(1.6)**
	Neurological	16	11	57	39	28	19	46	31	**147**	**(30.2)**
	Oncology	4	36	3	27	0	0	4	36	**11**	**(2.3)**
	Other	5	13	2	5	3	8	29	74	**39**	**(8.0)**
	Respiratory	51	32	55	35	22	14	30	19	**158**	**(32.4)**
	Trauma	4	11	8	22	3	8	22	59	**37**	**(7.6)**
2008 Total		**109**	**(22.4)**	**135**	**(27.7)**	**68**	**(14.0)**	**175**	**(35.9)**	**487**	
2009	Blood/lymph	1	50		0	1	50		0	**2**	**(0.4)**
	Body wall and cavities	0		0		0		0		**0**	**(0.0)**
	Cardiovascular	15	79	1	5	1	5	2	11	**19**	**(4.0)**
	Endocrine/Metabolic	3	18		0	4	24	10	59	**17**	**(3.6)**
	Gastrointestinal	6	20	1	3	4	13	19	63	**30**	**(6.3)**
	Infection	3	30	3	30	1	10	3	30	**10**	**(2.1)**
	Musculoskeletal	2	50		0	1	25	1	25	**4**	**(0.8)**
	Neurological	17	13	49	36	28	21	41	30	**135**	**(28.3)**
	Oncology	8	44	1	6	1	6	8	44	**18**	**(3.8)**
	Other	7	15	7	15	1	2	31	67	**46**	**(9.6)**
	Respiratory	48	28	58	34	31	18	32	19	**169**	**(35.4)**
	Trauma	1	4	4	15	10	37	12	44	**27**	**(5.7)**
2009 Total		**111**	**(23.3)**	**124**	**(26.0)**	**83**	**(17.4)**	**159**	**(33.3)**	**477**	
Grand Total		**399**	(22)	**471**	(26)	**307**	(17)	**629**	(35)	**1806**	

Source: Intensive Care National Audit Research Centre and the South West Audit of Critically Ill Children
Note that data for 2008/9 is only available from ICNARC. In 2007 305 admissions were recorded from SWACIC but unfortunately this data is not available for later years.

Table 65 Mortality of children admitted to AICUs by age and diagnostic group, England, 2007-2009

Year	Diagnostic group	Age group (years) <1 n	<1 %	1-4 n	1-4 %	5-10 n	5-10 %	11-15 n	11-15 %	Total n	Total %
2005	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)**
	Other	0	(0)	0	(0)	0	(0)	3	(100)	**3**	**(7.1)**
	Respiratory	5	(50)	1	(10)	2	(20)	2	(20)	**10**	**(23.8)**
	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**	
2008	Cardiac	1	(50)	0	(0)	0	(0)	1	(50)	**2**	**(15.4)**
	Gastrointestinal	2	(40)	0	(0)	1	(20)	2	(40)	**5**	**(38.5)**
	Neurological	1	(100)	0	(0)	0	(0)	0	(0)	**1**	**(7.7)**
	Other	0	(0)	0	(0)	0	(0)	1	(50)	**2**	**(15.4)**
	Respiratory	2	(50)	1	(25)	0	(0)	1	(25)	**4**	**(30.8)**
	Trauma	0	(0)	0	(0)	0	(0)	2	(100)	**2**	**(15.4)**
2008 Total		**5**	**(38.5)**	**1**	**(7.7)**	**1**	**(7.7)**	**6**	**(46.2)**	**13**	
2009	Cardiac	3	(50)	1	(17)	0	(0)	2	(33)	**6**	**(30.0)**
	Endocrine/Metabolic	1	(100)	0	(0)	0	(0)		(0)	**1**	**(5.0)**
	Gastrointestinal		(0)	0	(0)	0	(0)	1	(100)	**1**	**(5.0)**
	Infection	1	(100)	0	(0)	0	(0)		(0)	**1**	**(5.0)**
	Neurological	2	(100)	0	(0)	0	(0)		(0)	**2**	**(10.0)**
	Oncology	1	(50)	0	(0)	0	(0)	1	(50)	**2**	**(10.0)**
	Other		(0)	0	(0)	0	(0)	1	(100)	**1**	**(5.0)**
	Respiratory	3	(60)	1	(20)	0	(0)	1	(20)	**5**	**(25.0)**
	Trauma		(0)	0	(0)	1	(100)		(0)	**1**	**(5.0)**
2009 Total		**11**	**(55.0)**	**2**	**(10.0)**	**1**	**(5.0)**	**6**	**(30.0)**	**20**	
Grand Total		**33**	**(44.0)**	**12**	**(16.0)**	**7**	**(9.3)**	**23**	**(30.7)**	**75**	

Source: Intensive Care National Audit Research Centre and the South West Audit of Critically Ill Children
Note that data for 2008/9 is only available from ICNARC. In 2007 305 admissions were recorded from SWACIC but unfortunately this data is not available for later years.

Table 66 Discharge destination for children admitted to AICUs, England, 2007-2009

Year	Discharge destination	Total n	%
2007	**Discharged to PICU**	218	(25.9)
	Discharged elsewhere	582	(69.1)
	Died	42	(5.0)
2007 Total		**842**	
2006	**Discharged to PICU**	207	(42.5)
	Discharged elsewhere	267	(54.8)
	Died	13	(2.7)
2006 Total		**487**	
2007	**Discharged to PICU**	234	(49.1)
	Discharged elsewhere	223	(46.8)
	Died	20	(4.2)
		477	
Grand Total		**1806**	

Source: Intensive Care National Audit Research Centre and the South West Audit of Critically Ill Children.
Note that data for 2008/9 is only available from ICNARC. In 2007 305 admissions were recorded from SWACIC but unfortunately this data is not available for later years.

Table 67 Length of stay for surviving children admitted to AICUs, England, 2007-2009

Year		Age group (years) <1	1-4	5-10	11-15
2007	**Median length of stay**	1	1	2	2
	Range (days)	1-38	1-7	1-14	1-18
2008	**Median length of stay**	1.5	1	1	2
	Range (days)	1-24	1-3	1-10	1-16
2009	**Median length of stay**	1.5	1	1	2
	Range (days)	1-28	1-21	1-6	1-35

Source: Intensive Care National Audit Research Centre and the South West Audit of Critically Ill Children
Note that data for 2008/9 is only available from ICNARC. In 2007 305 admissions were recorded from SWACIC but unfortunately this data is not available for later years.

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	4 ventilated beds	4	General
Birmingham Children's Hospital NHS Trust	Birmingham Children's Hospital	PICU	20	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	8[1]	3[1]	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	17[2]	0	General
Great Ormond Street Hospital for Children NHS Trust	Great Ormond Street Hospital for Children	CCCU	14-16[3]	0	Cardiac
	Great Ormond Street Hospital for Children	PICU & NICU	21	0	General & Neonatal Unit
Guy's & St. Thomas' NHS Foundation Trust	Evelina Children's Hospital	PICU	15[4]	0	General & Cardiac
HSE (Health Services Executive)	Children's University Hospital, Temple Street, Dublin	PICU	9	0	PICU
	Our Lady's Children's Hospital, Crumlin, Dublin	PICU	16	5	General
Hull & East Yorkshire Hospitals NHS Trust	Hull Royal Infirmary	PICU beds on AITU	2	4[5]	Adult ICU providing General PICU
King's College Hospital NHS Trust	King's College Hospital	PICU	8[6]	8	General & Hepatic & Neurosurgical
Leeds Teaching Hospitals NHS Trust	Leeds General Infirmary	Wards 2 & 4	17[7]	0	General & Cardiac
Newcastle Upon Tyne Hospitals NHS Foundation Trust	Newcastle General Hospital	PICU	11[8]	7[8]	General
	Royal Victoria Infirmary	Ward 12 PICU			Surgical ICU
	Freeman Hospital	PICU Freeman	8[9]	4	Cardiothoracic surgery & ECMO Orthopaedics and ENT
NHS Lothian – University Hospitals Division	Royal Hospital for Sick Children, Edinburgh	PICU	8	6[10] + 3NN	General (plus neurosurgical and spinal)
NHS Greater Glasgow and Clyde – Women and Children's Division	Royal Hospital for Sick Children, Yorkhill	PICU	16[11]	10	General, Cardiac & ECMO

NHS Trust	Participating Hospital	Unit / Ward	Number of ITU beds	Number of HDU beds	Type of unit
Oxford Radcliffe Hospitals NHS Trust	The John Radcliffe Hospital	PICU	7	6	General & Cardiac
Nottingham University Hospitals NHS Trust	Queen's Medical Centre	PICU	6	4	General (plus regional neurosurgical, spinal, supraregional renal service and cleft lip & palate services)
Royal Brompton & Harefield NHS Foundation 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	3	General
St. George's Healthcare NHS Trust	St. George's Hospital	PICU	8[12]	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[13]	General & Surgery
Belfast Health and Social Care Trust	Royal Belfast Hospital for Sick Children	PICU	8[14]	0	General
University Hospitals Bristol NHS Foundation Trust	Bristol Royal Hospital for Children	PICU	15[15]	0	General & Cardiac
University Hospitals of Leicester NHS Trust	Leicester Royal Infirmary	CICU	6	2	General
	Glenfield Hospital	PICU	6	0	Cardiac & ECMO
University Hospital of North Staffordshire NHS Trust	University Hospital of North Staffordshire	PICU	6	1	General

1 Increase from 6 ITU and 2 HDU beds effective from 1st April 2010.
2 Currently correct but likely to increase to 19 in April 2011.
3 The actual figure depends on the number of ECMO patients and HDU patients.
4 Physically 20 beds but only 15 are staffed.
5 With capacity to ventilate two patients on the Adult ICU.
6 Increased from 6 ITU beds as of July 08.
7 Nominally the number of beds the nursing establishment will support. Actual numbers may vary day to day.
8 Total bed numbers split between two hospital sites. The RVI has 5 ITU and 3 HDU beds. Newcastle General has 6 ITU and 4 HDU beds.
9 Currently under development and will expand to 10 beds.
10 ITU/HDU beds used flexibly.
11 Staffing covers only 14 ICU beds and 6 HDU beds, however sometimes peak to 16 ICU and 10 HDU.
12 Total capacity 8 beds used flexibly including 5 designated PICU beds.
13 Flexed by a further 2 beds to support winter pressures.
14 The unit is anaesthetist-led and only admits patients under 15 years. A planned increase in beds is scheduled for Autumn 2010.
15 Increased from 14 ITU beds as of April 2008.

APPENDIX B CLINICAL ADVISORY GROUP MEMBERSHIP

Name	Position	NHS Trust / Hospital	Period served
Dr Gale Pearson (Chair)	Consultant in Paediatric Intensive Care	Birmingham Children's Hospital NHS Trust Birmingham Children's Hospital	2002 - present
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	United Bristol Healthcare NHS 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
Maria MacDonald	Research and Audit Nurse Coordinator	Central Manchester & Manchester Children's University Hospitals NHS Trust Royal Manchester Children's Hospital	2009 - 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

Name	Position	NHS Trust / Hospital	Period served
Ms Geralyn Oldham	Information Support Manager	Great Ormond Street Hospital for Children NHS Trust Great Ormond Street Hospital for Sick Children	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
Professor John Newton (Chair)	Regional Director of Public Health	South Central Strategic Health Authority	Lay member	2009 - present
Mrs Pamela Barnes	Chair of Action for Sick Children	Action for Sick Children	Lay Member	2002 - present
Professor Nick Black	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 / Ms Laura Reekie	Consultant in Anaesthesia & Intensive Care / PA	NHS Lothian – University Hospitals Division Edinburgh Royal Hospital for Sick Children	Edinburgh Royal Hospital for Sick Children	2005 - present
Dr Roddy McFaul	Medical Advisor	Child Health Services Directorate	Department of Health	2002 - 2003
Dr Kevin Morris	Consultant in Paediatric Intensive Care	Birmingham Children's Hospital NHS Trust Birmingham Children's Hospital PICU	Clinical Lead for the West Midlands Medicines for Children Local Research Network	2006 - present

Name	Position	Organisation	Representation	Period Served
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 AND PLACE OF WORK	INFORMATION REQUESTED	STATUS
25/05/2010	Stephanie Stanwick	Programme manager - Safe and Sustainable Paediatric Neurosurgery, London National Specialised Commissioning Group	**5 YEARS PICANET DATA** • To extract 5 Years of data from PICANET, • PICU data is required for the 11 Centres that currently undertake Paediatric cardiac surgery and the 15 centres that currently provide Neurosurgery only, • PICU activity is to be extracted for the selected groups of diagnoses or procedures specified. • Produce some analysis of number of episodes by various factors (SHA, Age Group, Procedure type, bed days). In particular: • Numbers of occupied bed days across all the PICU dependency categories showing cardiac surgery and neurosurgery procedures as attached. • % of OBDs for cardiac surgery patients • % of OBDs for transplant/bridge to cardio-thoracic transplantation and respiratory ECMO cases. • % of OBDs for neurosurgery patients and key neurosurgical procedures • requests for admission to the PICU refused by specialty admissions/OBDs from outside the hospital	Completed
19/05/2010	Maureen O'Reilly	Administrative Secretary, Royal Belfast Hospital for Sick Children	**DOWNS SYNDROME** Patient name, Children's Hosp no, date of admission, date of discharge, Diagnosis and outcome for patients admitted to the Paediatric Intensive Care Unit during 2009 that have Down's Syndrome.	Completed
17/05/2010	Carla Hayes	PICU Audit Clerk, Nottingham University Hospitals.	**PAEDIATRIC NEUROSURGERY** Information on Paediatric Neurosurgery patients from the 1st April 2008 to 1st April 2009: Number of Elective admission's? Number of emergency admission's?	Completed
15/05/2010	Dora Wood	Specialist Registrar, PICU, Bristol Royal Hospital for Children	**LONG STAY PATIENTS / TRACHEOSTOMY** 1. Long-stay patients - epidemiology - whether mortality risk can or should be adjusted to account for patients who stay 7-28 days 2. Tracheostomy in paediatric intensive care - epidemiology and outcomes from PICANet - current practice (questionnaire study of clinical leads) All questions refer to data for the years 2005-2009 inclusive.	Completed

REQUEST DATE	NAME	POSITION AND PLACE OF WORK	INFORMATION REQUESTED	STATUS
			Admissions by length of stay in days and outcome at discharge (alive vs died). Admissions by age by length of stay (7-28 days & 28+ days) and outcome at discharge, compared to total admissions. Admissions by primary diagnostic groupings by length of stay (7- 28 days & 28+ days) and outcome at discharge, compared to total admissions, median length of stay and IQRs by primary diagnostic groupings. Top 10 primary diagnoses read codes for admissions staying 7-28 days & 28+ days. Admissions by mortality risk by length of stay (7-28 days & 28+ days) and actual mortality rate at discharge. Admissions ventilated for 28+ days by length of stay and outcome at discharge (alive vs. died). Percentage mortality for admissions with length of stay of 7-28 days by admission or intervention: • Planned – following surgery • Unplanned – following surgery • Planned – other • Unplanned - other • Admitted from NICU • Admitted from PICU • Tracheostomy • ECMO • IV vasoactive drugs • ICP device • Renal support Admissions undergoing a tracheostomy by age, gender, primary diagnostic grouping, length of stay and NHS trust. Compare to total admissions for the same period. Mortality rate for children undergoing tracheostomy compared to mortality rate for total admissions.	
14/05/2010	Anand Wagh	Speciality trainee – Paediatrics, Newcastle Freeman Hospital	**PICU ADMISSIONS** • All the PICU admissions at Freeman Hospital & Newcastle General Hospital • Time scale: January 2005 – December 2009 • Post op Paediatric scoliosis Surgery patients (0 -18 yrs) • PICU stay • Diagnosis (on admission & discharge) • PICU stay (days; if possible in hours) • Ventilation (days; if possible in hours) • Discharge ventilation (self ventilating, non invasive ventilation, trache) • Cardiovascular support (inotrops) • Complications (neurological/ sepsis/ renal failure) • Previous PICU admissions / readmission	Completed

REQUEST DATE	NAME	POSITION AND PLACE OF WORK	INFORMATION REQUESTED	STATUS
13/05/2010	Fiona Reynolds	PICU Consultant, Birmingham Children's Hospital	**MONTE CARLO MODELING** To model PICU bed numbers using Monte Carlo modeling across the UK (a) Unit identifier - pseudo anonymization of unit identifier acceptable (b) Admission date/time and discharge date/time (c) No outcome variables will be required (d) Primary Diagnosis, secondary diagnoses & procedure codes (e) Distance to each centre (as crow flies) (f) Number of days invasive ventilation (g) Number of days non-invasive ventilation (h) Admission type (elective/emergency) (i) Admitted after surgery (g) ECMO (h) Source of admission - to help identify specialist care i.e. WARD, other hospital etc	Pending
11/05/2010	Andrew Nyman	PICU Fellow, Evelina Children's Hospital, St Thomas Hospital, London, SE1 7EH	**PICU ASTHMA** Appears that South Thames has high rate of asthma requiring PICU. Is this similar to rest of PICU. What is current median length of stay and ventilation? Data for all units excluding Evelina / Guys PICU for all patients admitted who have primary diagnosis of asthma, acute exacerbation of asthma, as well as cardiac arrest secondary to asthma. Only interested in patients who were invasively or advance ventilated during the course of PICU Date range – 01/01/2004 to 31/12/2009 (or the last 5 years data you have) Would like Age including median and IQR Sex Previous PICU admission Pupil reaction on admission Gestational age if <2 (median and IQR) Length of ICU stay (median and IQR) Length of invasive ventilaton (median and IQR) PIM/PIM2 on admission (median and IQR) Outcome If any were referred for ECMO We have the PICANET data for ECH/Guys already hence do not need them.	Completed
28/04/2010	Jenny Longden	Advanced Practitioner, Royal Manchester Children's Hospital	**MORTALITY IN PUCU** How many children were admitted to PICU's within the UK between 2007-2008 and 2008-2009 Overall mortality during 2007-2008/2008-2009 Diagnostic groups of deaths (if available) Ages of deaths (if available)	Completed – information held in Annual Report

REQUEST DATE	NAME	POSITION AND PLACE OF WORK	INFORMATION REQUESTED	STATUS
22/04/2010	Jonathan Round	Consultant, St George's Hospital, London	**EATING DISORDERS** PICANet data from those admitted to PICU since 2002 with "anorexia" "bulimia" "eating disorder" as either primary or secondary diagnosis. We would like demographics, date of admission/discharge, outcome, support, interventions, PIM and initial observations/blood gases, ventilatory settings, and interventions required.	Completed
30/03/2010	Ben Gibbison	SpR Anaesthesia, North Bristol NHS Trust, Dept. Anaesthesia Southmead Hospital Southmead Road Westbury-on-Trym Bristol	**ANAPHYLAXIS AND INTENSIVE CARE** To gain an insight into anaphylaxis and intensive care. Dr Soar (Chairman of Resus Council and NHS working group on anaphylaxis) keen for data on outcomes and care whilst in intensive care. PICU data will be put together with data from ICNARC and Scottish data to get a full UK view. Data from the programme on Anaphylaxis by year. Data by age (in 5yr bands), sex, ethnic group, residential postcode if possible, Source of admission (ED, theatre etc), length of stay, disposal (death, ward etc) whether or not CPR used.	Completed
23/03/2010	Dr. John Alexander	PICU Director, University Hospital of North Staffordshire	**SMR OUTCOME** SMR Outcome data for Stoke PICU from 2003 onwards Statistical analysis of whether the outcome is better than predicted. Run chart of SMR to understand if there are any periods of higher than expected mortality	Completed
18/03/2010	Carla Hayes	PICU Audit Clerk, Nottingham University Hospitals.	**NEUROSURGICAL PATIENTS** Information on Paediatric Neurosurgery patients from 1st April 2008 to 1st April 2009: Number of Admissions to PIC? Number of admissions of Which number of patients intubated? Number of Admissions of Which Elective? Number of Admissions of Which emergency? Average Length of stay in PIC of all admissions? Number of un-planned PICU admissions of all patients (during same spell)? Average length of stay of unplanned PIC admissions of all PIC patients in this time spell? How many paediatric neurosurgical referrals did we receive in this time spell outside of our catchment area?	Completed
16/03/2010	Maria MacDonald	Research and audit Nurse, Royal Manchester Children's Hospital	**POMPE's DISEASE** Info on all children admitted to RMCH with Pompe's disease.	Request Cancelled
12/03/2010	Claire Magner	Clinical Audit and Research Nurse, Our Lady's Children's Hospital, Crumlin.	**OUTCOMES OF CARDIAC SURGICAL POPULATION** We would like to know the outcomes (survivors' vs non-survivors) of our cardiac surgical population since commencement of data collection. More specifically the numbers of and outcomes for:	Completed

REQUEST DATE	NAME	POSITION AND PLACE OF WORK	INFORMATION REQUESTED	STATUS
			TGA Hypoplastic Left Heart Syndrome Hypoplastic Right Heart Syndrome Norwood Procedure, BT shunt (+/- modified), Sano shunt, Glenn Shunt (+/- Biditectional) Fontan Type Operation Arterial Switch Operation We would also like to know what percentage of our population have Trisomy 21, given the increased incidence of cardiac defects in this population.	
10/03/2010	David Inwald	Consultant in PICU, Imperial College Healthcare NHS Trust, PICU St Mary's Hospital London W2 1NY	**IDENTIFY PREDICTORS OF DEATH IN PICU** Planned/unplanned/planned post surgical/unplanned post surgical admission Cardiac arrest before ICU or out of hospital Myocarditis / cardiomyopathy Hypoplastic left heart syndrome Primary diagnosis Base excess Systolic blood pressure Age Death in PICU Death by 30 days (if available) For all patients admitted to a UK PICU from April 2008 – April 2009, or preferably calendar year 2009 if data available.	Completed
01/03/2010	Alison Gibbs	Network and commissioning manager- Yorkshire and Humber	**PIC ADMITTANCE FOR YORKS AND HUMBER** For Sub region of Yorkshire PCTs i.e. Hull, East Riding of Yorks, N Yorks and York, Leeds, Wakefield, Kirklees, Calderdale, & Bradford and Airedale. Years 2008 & 2009. For each PCT numbers of those who needed PIC and where they received it. To include for: out of area by intervention, diagnostic group and admission type. For sub region of PCTs for Barnsley, Doncaster, Rotherham, Sheffield, Bassetlaw and North Derbyshire- the same information please. Leeds PICU identify for same year those who were on PICU for >1/12, 3/12, 6/12, 9/12 & 12/12 by ventilated and non-ventilated. Hull PICU for 2009 numbers admitted for Head injury by age i.e. <5, 5 and over and Hull PCT, non Hull PCT & admission type.	Completed
19/02/2010	Claire Magner	Clinical Audit and Research Nurse, Our Lady's Children's Hospital, Crumlin.	**INCIDENCE OF MENINGITIS** We would like to know incidence of Meningitis, including pneumococcal, meningococcal admitted to our unit.	Completed

REQUEST DATE	NAME	POSITION AND PLACE OF WORK	INFORMATION REQUESTED	STATUS
29/01/2010	Josep Panisello	Clinical Director, John Radcliffe Hospital, Oxford	**CARDIAC ADMISSIONS APRIL 2008 – APRIL 2009** Would like information sorted by: PICANet ID, ADNO, ADDATE, ADTIME, ADTYPE, SOURCEAD, HOSPADMISSSION, CAREAREAAD, UNITDISDATUS, AGE_MONTHS, PIM2, VENTILATIONSTATUS, DIAGGROUP, TERM60, IV_NIV	Completed
26/01/2010	Andrea Hughes	NW Children's Programme manager (Tertiary Services)	**OUT OF AREA TRANSFERS (1 Year)** Please can you supply me with information on out of area transfers within the North West by PCT (1 year data). I would like to know how many children were refused admission to both North West Tertiary centres between: 2007-2008 2008-2009 What was reason for the refusal and if possible where did the child then end up. I would like the information by: Date of transfer Time of transfer Care area, Retrieval (Y or N) Reason for refusal at NW tertiary centre Name of Admitting PICU, Length of stay in PICU (Number of bed days) I would also like to know the same information for children admitted to the NW paediatric tertiary centres from outside of the North West region, by PCT and length of stay in bed days.	Completed
13/01/2010	Lyn Jarvis	Information Officer, Southampton Research and Audit Office	**RCSE PATIENTS** I require a spreadsheet of all patients admitted to PICU as primary or other with Epilepsy/Seizures/Status Epilepticus etc – Can this be sorted by: Admission number, Case number, Name, Dob, Admission date and any seizures, status epilepticus, convulsions etc at primary and other diagnosis.	Completed
11/01/2010	Angela Norcup	PICU Secretary, University Hospital of North Staffordshire	**SMR FIGURES** We need the SMR figures month by month for as far back as PICANet data goes.	Completed
11/01/2010	Tina McClelland	PICANet Audit Nurse, Alder Hey Hospital, Liverpool	**SEVERE NEURODISABILITY** Admissions to PICU of those with severe neurodisability over last five years Reason for admission Length of stay Outcome of admission	Completed

REQUEST DATE	NAME	POSITION AND PLACE OF WORK	INFORMATION REQUESTED	STATUS
07/01/2010	Dr Mary Slack	Consultant Microbiologist, Health Protection Agency	**PNEUMOCOCCAL INFECTION** Data on children admitted to paediatric intensive care units with any pneumococcal infection between July 2004 and June 2009 (i.e. any child with documented "pneumoco*" or "streptococcus pneumoniae" in the admission log. Age in months; month and year of admission; town of child; gender ; previous ICU admissions ; source of admission ; diagnoses and procedures ; co-morbidity ; daily interventions with number of days (basic, airway & ventilation, cardiovascular, renal, neurological, other) ; PIM1/PIM2 – Medical history ; PIM1/PIM2 – Physiology (systolic blood pressure, base excess, pupil reaction) ; Status at discharge ; duration of stay (days); follow-up information	Completed
30/12/2009	Dr Andrew Mallick	Paediatric Neurology Research Associate, Bristol Royal Hospital for Children	**INCIDENCE AND OUTCOME OF CHILDHOOD STROKE** We request a list of children (aged 28 days to less than 16 years) admitted to PICUs (Birmingham, Bristol, Cambridge, London, Oxford, and Southampton) between 1st July 2008 – 30th June 2009 with a stroke (arterial ischaemic stroke, cerebral venous thrombosis with venous infarction, and haemorrhagic stroke). We would only require DOB and initials.	Completed
17/12/2009	Carla Hayes	Audit Clerk, Nottingham Queen's Medical Centre	**INVASIVE VENTILATION AND HAEMOFILTRATION** How many of our patients received invasive ventilation in 2009? And how many received haemofiltration in 2009?	Completed
16/12/2009	Claire Magner	Clinical Audit and Research Nurse, Our Lady's Children's Hospital, Crumlin.	**INCIDENCE OF RSV** We would like to know incidence of RSV, trends and co-morbid illness. We would like to benchmark this data with other centres. This information will provide an insight into the effectiveness of our RSV prophylaxis programme in Crumlin.	Completed
16/12/2009	Ryan Watkins	Consultant and Clinical Director, Royal Sussex County Hospital.	**PICU ACTIVITY** I would like to establish the activity undertaken in PICUs for children living in postcodes in East Sussex, West Sussex and Brighton and Hove. Also for Kent. Also for Surrey.	Completed
07/12/2009	Emily Gaskell	MSc Student, City University	**AVERAGE LOS** To develop a tool that can predict the number of admission, discharges and average LOS for a paediatric intensive care unit. For all participating trusts - The numbers of discharges by trust by month (anonymised) for 2004-8inc. - The average LOS by trust by month (anonymised) for 2004-8inc.	Completed

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03/12/2009	Michael Absoud	Clinical Research Fellow, Birmingham Children's Hospital.	**ADEM AND PICANET** What is the incidence of Acute Disseminated Encephalomyelitis (ADEM) admitted to PICU in England and Wales? What are the interventions and outcome of children admitted to PICU with ADEM? Timeline: January 2004-December 2008 (5 years) Ages: 1 month- less than 16 years old	Completed
17/11/2009	Alison Kemp	Professor of Child Health, University Hospital of Wales	**NUMBER OF CHILDREN WHO HAVE CPR** Age range of children (DOB/DOA/date of CPR) Any outcome data post CPR (mortality/survival) Underlying reason for admission to PICU	Completed
06/11/2009	David Inwald	Consultant in PICU, St Mary's Hospital, London	**PNEUMOCOCCAL DIAGNOSIS** Numbers of cases with the following diagnoses admitted (per year) 2005, 2006, 2007, 2008 and 2009. Any diagnosis containing the word "pneumococcal" with a breakdown of the numbers of different diagnoses logged. Haemolytic uremic syndrome WHEN there is also a diagnosis containing the word "pneumococcal".	Completed
05/11/2009	Gale Pearson	Clinical Director (Child Health), CMACE	**EARLY CARE HEAD INJURY DEATHS** The principle objective of this research is to investigate the early care (i.e. first 72 hours post injury) provided to children who are admitted to hospital or who die from a head injury using the confidential enquiry approach. We seek to assess compliance with national guidelines in order to optimise the outcomes for this group of children.	Pending with Roger Parslow
04/11/2009	Claire Magner	Clinical Audit and Research Nurse, Our Lady's Children's Hospital, Crumlin.	**PIM SCORE FOR PICU PATIENTS** We require average PIM score for our PICU patients, crude SMR and PIM2 adjusted SMR. This will be presented at a Paediatric Conference in Dublin and will provide an insight into the severity of illness of the patients seen at Crumlin.	Completed
30/10/2009	Nitin Verma	ST6 Paediatrics Newcastle General Hospital	**TRACHEOSTOMY IN PICU** 1) Children intubated for > 7 days in PICU –individual names/ total number. (invasive ventilation) 2)a - Children who had tracheostomy in PICU – individual names/ total number b - were all of them intubated for >7 days - yes/no (invasive ventilation) c) - if No, then how many - number 3) How long was the stay in PICU for kids intubated >7 days(invasive ventilation) if you could kindly give me the days or if possible the number of hours that each kid was intubated. 4) How long was the stay in PICU for kids who had tracheostomy in PICU(who were initially	Completed

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			ventilated for >7 days) if you could kindly give me the days or if possible the number of hours that each kid stayed in PICU	
30/10/2009	Michael Agus	Director, Medicine Critical Care Program Children's Hospital Boston & Harvard Medical School	**GLYCEMIC CONTROL IN CRITICALLY INJURED CHILDREN** Our aim is to gather data with which to power a new prospective randomized controlled trial of two ranges of tight glycemic control in critically ill children, using continuous glucose monitoring and computerized glucose control algorithm. Mortality and ICU Length of stay (mean, SD, median, IQR, range) among survivors in PICU patients with: 1. mechanical ventilation >24 hrs 2. vasopressors > 24 hrs 3. both 4. either	Completed
28/10/2009	Amber Young	Consultant Paediatric Anaesthetist, Dept of Anaesthesia Frenchay Hospital	**CHILDREN IN PICU WITH HYDROCEPHALUS OR BLOCKED VP SHUNT** 1) Number of children and ventilation status admitted to PICU with hydrocephalus or blocked VP shunt over last 5 years (2003-2008 if possible) - per unit (anonomised) and total 2) a) Causes of hydrocephalus if possible (tumour, bleed, blocked VP shunt etc) - per unit (anonomised) and total 3) Mortality of children admitted with hydrocephalus - total over 5 years as in 1) - per unit (anonomised) and total 4) PIM2 score for above cases 5) Differentiating units (in anonymous way) into those with paediatric neurosurgical presence or not – see enclosed table)	Completed
23/10/2009	Megan Smith	PICU Consultant Nottingham University Hospital	**INSTANCES OF HFOV IN PICU PATIENTS FROM NUH** Identifiers/details of PICU patients at NUH who received HFOV over last 5 years.	Completed
20/10/2009	Christophe Eich	Consultant Paediatric Anaesthetist and Emergency Physician, University Medical Centre Göttingen, Germany	**INSTANCES OF CPR IN PICUS** Incidence of cardiopulmonary resuscitation (CPR; main entry criterion: chest compressions) on PICUs in the UK & Ireland, in correlation to size of unit (number of beds), annual number of cases/admissions, and Regular care for cardiac children (paediatric cardiology/cardiac surgery – yes/no).	Completed
01/10/2009	Shamez Ladhani/ Jonathon Round	Consultants in Paediatric Infectious Diseases and Paediatric Intensive Care	**SEVERE MALARIA IN PICU** Very few children with malaria diagnosed in the UK go on to require intensive care. Prospective surveillance through the BPSU identified only 10 cases in 12 months. There is very limited published literature on features of severe malaria in children in developed countries that require	Completed

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			intensive care admission Age in months; month and year of admission; town of address; gender ; previous ICU admissions ; source of admission ; diagnoses and procedures ; co-morbidity ; daily interventions with number of days (basic, airway & ventilation, cardiovascular, renal, neurological, other) ; PIM1/PIM2 – Medical history ; PIM1/PIM2 – Physiology (systolic blood pressure, base excess, pupil reaction); Status at discharge; duration of stay (days)	
24/09/2009	Cilla Long / Lyn Jarvis	Senior Research Nurse, WTCRF Southampton General Hospital.	**SAFETY, TOLERABILITY AND IMMUNITY OF MEDI – 534** To describe the safety & tolerability and immunity effect, of multi doses of Medi-534 in RSV & hPIV3 seronegative children between the ages of 6months to 2yrs through a yearlong clinical trial. Names & addresses of families who have previously had a child in intensive care with RSV or bronchitis's type symptoms. THIS INFORMATION WAS NOT PROVIDED BY PICANET	Completed
21/09/2009	Roddy O'Donnell	PICU Consultant Addenbrookes and PICS Hon Secretary	**CEREBRAL PALSY & DOWN'S SYNDROME ADMISSIONS** How many admissions of patients to PICU where cerebral palsy or Down's syndrome are recorded as co-morbidity by Read Code on admission to PICU? Approached by MENCAP at the start of their "Death by Indifference campaign".	Completed
14/09/2009	Andy Petros	Speciality Unit Lead, Great Ormond Street, London,	**MORTALITY RATES AND CAUSES** I mean to look at the interventions that have been shown to reduce mortality in adults and see how they have been used in children. So I need t great a baseline data set of mortality rates and causes. In particular I want to look at selective decontamination of the digestive tract (SDD). SDD has been used at Alder Hey for over 10 years. There should therefore be some discernable differences in survival or length of stay or ventilation, which we would like to look for. If I could have these data from the time PICANet started collecting them i.e. 5 years or so that would be very useful. Also, would it be possible to identify (to thus allow separation) Alder Hey's data. Kent Thorburn is the local contact and he will be involved in the project.	Completed
26/08/2009	Sally Abbott	Senior Operational Research Analyst, Department of Health	**SWINE FLU AND BED CAPACITY** (2006 – 2008) Total number of bed days for children aged between 0-15 yrs Of these, total number of bed days used by non-elective admissions Average daily bed occupancy Could I have this data at both national and regional level? We are currently building a critical care model to assess the impact of swine flu on bed capacity. We need this data to calculate the average proportion of occupied beds used by emergency admissions.	Completed

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24/08/2009	Arshad Nana	Senior Information & Performance Manager, East Midlands Specialised Services Group, Leicester	**EAST MIDLANDS SERVICE PLANNING** We are the lead responsible commissioner for PIC services in the East Midlands. We need the data to help us validate activity levels, review trends, plan capacity effectively, compile health needs assessments, designation of services, monitoring of service quality. Require data as flat excel file Time period for data needs to be as far back as possible to most current month Subsequent months data requested on an ongoing routine basis so that dataset can be kept up to date Request copies of all look- up/reference files to support/ translate the fields of data requested. Data to be for all 9 East Midlands PCT's	Completed
17/08/2009	Dr Andrew Magnay	Clinical Lead, PICU, University Hospital of North Staffordshire,	**SERVICE PLANNING** 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: 1. Number of Admissions by PCT during report time window. 2.a. Number of episodes which completed (=discharge or death) during the report time window by PCT, and b. Number of days of PICU care associated with these discharges/ deaths by PCT; 3. Number of admissions by Health authority; 4. a. Number of episodes which completed (=discharge or death) during the report time window by Health Authority and b. Number of days of PICU care associated with these discharges / deaths by Health Authority expressed both as fiscal y and also as calendar year. Also: 5. Number of days of PICU care for each of the "top 10 PCTs". a) calendar year b) fiscal year	Completed
05/08/2009	David Harrison	Senior Statistician, ICNARC, London,	**SWINE FLU** Unique identifier. Age (months) Sex SHA .Ethnicity Interventions (IV/NIV/Both) - not ECMO as identifiable as so few PIM2 and component variables Outcome LOS (give admission date and discharge date). Aim is to characterise early admissions to UK critical care units (adult and paediatric) with H1N1 swine influenza and to merge with swine flu cases from the ICNARC Case Mix Programme Database to produce an overall summary of the demographics, case mix, resource use and outcomes of early swine flu cases admitted to UK critical care units.	Completed

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31/07/2009	Geralyn Oldham	Information Support Manager - Great Ormond Street Hospital for Sick Children	**UNIT REPORT BREAKDOWN BY UNIT TYPE** We would like to receive our Annual PICANet reports broken down by Unit Type at GOSH so more relevant and meaningful for clinicians. E1 – PIC Unit E2 – Cardiac Unit	Completed
24/07/2009	Judith Budd	Coordinator of East Midlands & South Yorkshire Congenital Anomalies Register, University of Leicester	**CONGENITAL ANOMALIES** Precise details of actual congenital anomaly (if present). Outcome (e.g. surgery, correction, death) – for all cases with a congenital anomaly present on PICANET database. In addition, birth details for all those cases not previously known to EMSYCAR. Reason is to supplement existing EMSYCAR data. Maintaining accuracy and improving outcome data, to aid surveillance procedures undertaken at regional, national and international scales.	Completed
08/07/2009	Amber Young	Consultant Paediatric Neuro-anaesthetist – North Bristol NHS Trust	**HEAD INJURY/ TRAUMATIC BRAIN INJURY** 1) Number of children and ventilation status admitted to PICU with head injuries / traumatic brain injury over last 5 years (2003-2008 if possible) - per unit (anonomised) and total 2) a) Number of children admitted with head injuries with ICP monitor - over 5 years as in 1) - per unit (anonomised) and total b) Number of children admitted with head injuries with inotropic support - over 5 years as in 1) - per unit (anonomised) and total c) Number of children admitted with head injuries with length of stay > 2 weeks - over 5 years as in 1) - per unit (anonomised) and total 3) Mortality of children admitted with head injuries - total over 5 years as in 1) - per unit (anonomised) and total 4) Mortality in head injuries with ICP monitors - per unit (anonomised) and total 5) Mortality in head injuries requiring inotropic support - per unit (anonomised) and total 6) % of PIC admissions with neurosurgical diagnoses including tumours, hydrocephalus, cerebral bleeds, traumatic brain injury etc and ventilated / non-ventilated status.	Completed
11/06/2009	Ruth Gilbert	Professor of Clinical Epidemiology, UCL London	**ANTIBIOTIC AND HERPARIN IMPREGNANTED CENTRAL VENOUS CATHETERS** Individual patient data, for each of the centres listed, giving age in months, month of admission, type of admission defined as: planned surgical admission, emergency same hospital, and emergency other hospital, and duration of stay in PICU. GOSH CICU, PICU, St Marys, Brompton (not Harefield), Evelina (Guys),Bristol, Birmingham, Liverpool , Leicester, Newcastle, Leeds, Southampton 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 recruitment projections and predicted event rates for each centre	Completed

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18/05/2009	Raghu Ramaiah	Consultant Paediatric Intensivist, University Hospitals of Leicester NHS Trust.	**ADMISSIONS FROM EAST MIDLANDS ADMITTED TO OUT OF REGION PICU'S** Number of children with East Midlands postcodes admitted to PICU other than Leicester and Nottingham. Needed for future planning of regional services.	Completed
12/05/2009	Sujatha Rajan	Locum Consultant PCCU, Bart's and the London NHS Trust.	**TSS DUE TO PVL** Demographic profile, age, sex, co-morbidity, organs involved, disseminated osteomyelitis, duration of stay in PICU, interventions in PICU, ventilation, fluids given, inotropes, outcomes;	Completed
11/05/2009	Andrea Hughes	North West (tertiary) Children's programme manager	**ADMISSIONS/ BED DAYS** 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. 3) PICU admissions by diagnosis on admissions Diagnostic groups: Accidents & poisoning, blood/lymphatic, cardiovascular, Congenital, Endocrine/metabolic, Gastrointestinal, infection, Musculoskeletal, Neurological, Oncology, Perinatal, Respiratory, Trauma, Urological, other. 4) PICU admissions by intervention received: Invasive ventilation, Non-invasive ventilation, ECMO, IV vasoactive drug therapy, LVAD, ICP device, Renal Support. 5) PIC admissions by length of stay: In hours and in days (mean, median and IQR please) 6) PICU admissions by days of invasive ventilation 7) PICU admissions by unit discharge status, status alive or dead 8) Destination groups: Home, same hospital, other hospital 9) Number of retrievals by team type: own team, other specialist team (PICU) other specialist team (NON-PICU), non- specialist team For 2005-07 How many individuals were admitted to a PICU unit outside the North West: Numbers, total bed days, admission by diagnostic group, admission by region 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	Completed
29/04/2009	Jose Panisello	Clinical Director	**THAMES VALLEY ADMISSIONS** 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 for the 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

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24/04/2009	Kay Rushforth	Sister Leeds Teaching Hospitals NHS Trust	**COMPARATIVE ANALYSIS** 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
23/03/2009	Peter Davis	Consultant Paediatric Intensivist - Bristol Royal Hospital for Children	**TRAUMATIC BRAIN INJURY** On all children admitted to PICUs in England & Wales over 4 years (2004-2007) with traumatic head injury: ADMISSION MONTH 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) The list of diagnoses used to filter traumatic head injury.	Completed
21/03/2009	Saul Faust	Senior Lecturer in Paediatric Immunology and Infectious diseases – University of Southampton	**MENINGCOCCAL AND PNEUMOCOCCAL SEPSIS** 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
05/03/2009	Raghu Nanda Ramaiah	Consultant Paediatric Intensivist Leicester Royal Infirmary	**NON- ACCIDENTAL INJURY IN CHILDREN UNDER 2** 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	**INTERVENTIONS AT NEUROSURGICAL PICU** 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
19/02/2009	Catherine Penrose	PICU Consultant – Leeds General Infirmary	**PROVISION OF PALLIATIVE CARE** Looking at provision of palliative care in Leeds and UK and the provision for end of life care outside of the PICU environment	Completed

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02/02/2009	P Ramnarayan	Childrens Acute Transport Services (CATS)	**INTERVAL BETWEEN ADMISSIONS AND DEATH** 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.	Completed
09/01/2009	Sara Arenas-Lopez	European Medicines Agency (EMEA)	**ALL ADMISSIONS** We are reviewing studies for drugs used in PICU patients. The total number of admissions in PICU'S, the age distribution of the patients 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	Completed
05/12/2008	Alison Bali	Specialised Commissioning Project Manager – North West Commissioning team	**BED DAYS** The number of bed days occupied by North West patients outside of the North West Region in 2007 (North West area based on SHA boundary) What is the national average?	Completed
14/11/2008	Stuart Rowe	Pan Thames Commissioner (Hammersmith and Fulham PCT)	**LOCAL PATIENTS ADMISSIONS** To gain understanding of local patients admissions	Completed
28/10/2008	Will Woodward	Consultant in Anaesthesia & Intensive Care – Royal Cornwall Hospital	**PICU/ ICU COMPARISON** Length of stay, intervention, and outcome data for children retrieved to a) all PICU's nationally, and b) Bristol Children's Hospital from southwest DGH's	Completed
15/10/2008	Victoria Attwell	Analyst (Healthcare for London)	**TRAUMA SERVICES ACROSS LONDON** Looking at trauma services across London to plan services	Completed
22/09/2008	Simon Whiteley	PICU Consultant, St James's Hospital, Leeds	**ASTHMA** 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
10/09/2008	Paula Lister	Consultant Intensivist	**DEVELOPMENT OF A PIC TRIAGE TOOL** To utilize national data to inform the development of a PIC triage tool for use during a pandemic.	Completed

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19/08/2008	Peter Davis	Paediatric Intensivist	**PICU SHORT STAYS** 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.	Completed
12/08/2008	Ruth Gilbert	Professor Of Clinical Epidemiology	**ANTIBIOTIC AND HERPARIN IMPREGNATED CATHETERS** 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.	Completed
08/08/2008	Christine Mckerness	Senior Sister Newcastle General Hospital	**BABIES/ WORKFORCE PLANNING** 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 entrocolitis for the years 2005, 2006, 2007 for same reason	Newcastle-Internal data only needed
14/07/2008	P Ramnarayan	Consultant	**RETRIEVALS** 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. This is a follow up from data requested on 03/09/07	Completed
26/06/2008	Ravi Agarwal	Consultant Neonatal Paediatrician	**RESPIRATORY MORBIDITY IN INFANTS WITH CHRONIC LUNG DISEASE** Incidence (and total number) of PICU admission with RSV bronchiolitis in a 12 months period (most recent data please)	Completed
09/06/2008	Paul Baxter	Lecturer in Statistics	**MORTALITY STUDY** All admission to all PICUs that participated for the full 3 year period between January 2003 – December 2005. For each admission we required information on diagnoses and outcome. Data to calculate Paediatric Index of Mortality (PIM) for each admission is also required so that mortality adjustment can be made.	Completed
31/05/2008	Janet McClean	Junior Sister	**LONG TERM VENTILATED CHILDREN** All admissions to LRI CICU with breakdown of level of dependency	Not approved

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19/05/2008	Shane Tibby	Consultant	**RESPIRATORY ADMISSIONS** 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.	Completed
30/04/2008	Ann Tonks	Project Manager – West Midlands Perinatal Institute	**INFANT DEATHS** To estimate ascertainment of infant deaths to West Midlands occurring outside the West Midlands.	Completed
29/04/2008	Elizabeth Draper	Research Professor, PICANet, University of Leicester	**UK STAFFING STUDY** We request the following care process and patient outcome data for 12 participating units, as defined in the study protocol. 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: Sex PICANet Site identifier PICANet Patient Identifier – to match re-admissions. Mortality: Status at PICU discharge. Status 30 days after discharge. Destination: Destination at discharge. Destination at discharge to a unit within the same hospital. Length of stay: Date and time of admission. Date and time of discharge, or date and time of death. Admissions: Admission type, Unplanned admission. Previous ICU admission. Calculated admission number within time period (1st March 2007 – 29th February 2008) Ventilation: Type Invasive and/or mechanical. Start date and end date of ventilation. PIM and PIM2 variables (including PIM-associated diagnosis or reason for admission) and PIM2 score. UK PICOS-derived PIM index. PICANet-coded categorized diagnosis/physiological conditions for admission (up to 3 maximum) Diagnostic/Medical conditions. Physiological status at admission. Text fields and “read” field coding for first 3 listed conditions	Completed
27/04/2008	Cormac Breatnach	Clinical Fellow – Children’s acute transport service	**MULTIPLE ACUTE TRANSFERS** To assess the characteristics and outcome of patients requiring multiple acute transfers	Request form not completed

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04/04/2008	Ruth Gilbert	Professor of Clinical Epidemiology	**PICU ADMISSIONS ACROSS 9 LARGEST PICU'S** 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
03/04/2008	Shazia Adalat	SpR Paediatric Nephrology	**TSS** To define the incidence of TSS due to staphylococcal or streptococcal organisms in children in the UK and identify any geographic variation	Request form not completed
01/04/2008	David Inwald	Consultant	**SEPSIS** Audit of current UK management of community acquired paediatric sepsis	Completed
22/03/2008	Barney Scholefield	Specialist Registrar	**HYPOTHERMIA THERAPY** 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
26/02/2008	Claire Westrop	Specialist Registrar – Birmingham Childrens Hospital	**REVIEW OF NEONATES UNDERGOING RENAL REPLACEMENT** 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	Completed
13/02/2008	Alison Oliver	Regional Education Nurse	**ACCIDENTAL EXTUBATIONS** 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
05/02/2008	Quen Mok	Consultant Intensivist, Great Ormond Street Hospital	**HEAD INJURIES** Numbers of patients admitted with moderate and/or severe traumatic brain injury/head injury per year to each PICANET unit in the last 5 years.	Completed
25/01/2008	Stuart Rowe	Lead Commissioner - Pan Thames, Hammersmith and Fulham PCT	**PAN THAMES** Admissions, bed days and retrievals for: I) Non-Pan Thames residents to Pan Thames units II) Pan Thames residents to Pan Thames units	Completed

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14/01/2008	Peter Phillips	Solution Architect, Cerner Millennium	**DATASETS** I am working on the national programme for IT London and Southern cluster projects. We are looking at reporting requirements for our clinical teams (critical care) and need to design our system to allow trusts to provide PICANet submissions where appt. Please could you forward the current datasets required by trusts to complete, showing the response code values required by PICANet.	Completed
10/01/2008	Saul Faust	Senior Lecturer in Paediatric Infectious Diseases, Southampton University	**MENINGOCOCCAL** 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
04/12/2007	Ranjit Khular	Commissioning Manager, West Midlands Specialised Commissioning Team	**ACTIVITY** Activity information on all PIC services nationally accessed by residents of the 17 West Midlands PCTs, on a monthly basis	Completed
30/11/2007	Tony Dinning	Manager, Trent Paediatric Critical Care Network, Nottingham City PCT, Nottingham,	**OUT OF NETWORK TRANSFERS** 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
15/11/2007	Dominique Sammut	Assistant Commissioner, Health Commission Wales	**SCOLIOSIS REPAIR** Number of admissions to each PIC following scoliosis repair. 2004, 2005, 2006 breakdown. Then for these figures to be broken down further to Welsh and non-Welsh patients.	Completed
05/11/2007	Lucy Robin	SpR Paediatrics, St James University Hospital, Leeds	**BRADFORD** 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. As comparison, I will need available national data for PICU admissions, to include age, ethnicity, gender, reason for admission, and survival.	Completed

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02/11/2007	Tamsin Ford	Senior clinical lecturer in child and adolescent psychiatry, Peninsula Medical School, Exeter	**SELF HARM** I would like to know how many children were admitted to PICU in 2004-2006 with deliberate self harm by any method. If possible I would like to know about kids whose primary diagnosis may relate to the injury sustained (ie head injury or poisoning) but where deliberate self harm was suspected.	Completed
08/10/2007	Kate Brown	Consultant Intensivist, Great Ormond Street Hospital	**24 HOUR STUDY** A list of children who died within 24 hours of admission to a UK PICU. No patient or unit identifier is required. The list to contain: the PIM score, the primary diagnosis, date and time of admission, date and time of death. The data is requested over the longest possible / feasible time period.	Completed
04/10/2007	Dawn Coleby	Research Associate, University of Leicester	**UK PICU STAFFING STUDY** 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
19/09/2007	Esse Menson	Consultant PID, Evelina Children's Hospital, London	**VARICELLA** 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
29/08/2007	Dawn Coleby	Research Associate, University of Leicester	**VENTILATOR ASSOCIATED PNEUMONIA** To identify (numbers of) children that have been admitted to each of the 12 participating PICUs since 1st 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
20/08/2007	Phil Wilson	Retrieval Coordinator, Birmingham Children's Hospital	**WEST MIDLANDS** No. of patients from the following PCTs admitted to BCH, UHNS, UHL & 'out of region' PICUs. Names of OOR PICUs not needed. Pan Birmingham Black Country Coventry and Warwickshire Herefordshire Worcestershire Shropshire Telford & Wrekin	Completed

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			Stoke-On-Trent North Staffordshire South Staffordshire	
02/08/2007	Padmanabhan Ramnarayan	Consultant in Paediatric Intensive Care & Retrieval, GOSH/CATS	**RETRIEVALS** Demographic details (age, gender, ethnic origin codes, SHA), distance to nearest PICU, clinical details (admitting PICU, date of admission and discharge, admission details, retrieved status, retrieval details, PIM score, bed occupancy, interventions on PICU, discharge outcome, 30 day follow up if available) Data will be necessary for the period of January 2004 to December 2006.	Completed
26/07/2007	Gavin Rudge	Data scientist, University of Birmingham	**WEST MIDLANDS ADMISSIONS** 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
05/07/2007	Shane Tibby	Consultant PICU, Evelina Children's Hospital, Guy's & St Thomas' NHS Foundation Trust	**RESPIRATORY ADMISSIONS** 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. We would like these data to include the length of PICU stay, length of ventilation and mortality.	Completed
05/07/2007	Peter Wilson	Director PICU, Southampton University Hospital NHS Trust	**WESSEX CHILDREN TREATED OUTSIDE SOUTHAMPTON** 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
11/06/2007	Paul Baines	Consultant PICU, Royal Liverpool Children's Hospital	**SDD** 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):- 1) Numbers split by (anonymised) units 2) Age/sex overall 3) VFDs overall at 30 days (summary stats - mean min etc + grouped) 4) LOS overall (summary stats - mean min etc + grouped) 5) Duration of ventilation (although linked to VFDs) 6) ICU Mortality (died yes/no) 7) Inotropes (yes/no in stay) 8) Diagnostic group overall	Completed

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06/06/2007	Elizabeth Bream	Specialist Registrar in Public Health, Scottish Executive Health Department, Edinburgh	**BURNS** 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	**NEUROLOGICAL** 1) Number of children and ventilation status of those admitted to PICU with head injuries (we'll give breakdown of invasive/non-invasive etc) 2) Number of children admitted with head injuries who have an ICP bolt 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' 4) Number of children admitted to PICU with CNS tumour and ventilation status 5) Number of children admitted to PICU with Hydrocephalous and ventilation status Information from all UK & Eire if possible	Completed
21/05/2007	David Inwald	Consultant in PICU, St Mary's Hospital	**ST. MARY'S DATA** 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
10/05/2007	Peter Davis	Consultant Paediatric Intensivist, Bristol Royal Hospital for Children	**SWACIC UPDATE 2007** 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 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.	Completed

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18/04/2007	Mark Peters	Clinical Unit Chair, P/NICU, Great Ormond Street Hospital.	**a) RESPIRATORY FAILURE** Age / gestation / LOS / outcome / PIM score and diagnostic coding for all cases of respiratory failure **b) SUPPLEMENTARY INFORMATION** Can you provide gender data on these same cases and can you rerun the query with any diagnostic code that includes 'influenza'	Completed
18/04/2007	Jonathan Round	Consultant, St George's Hospital PICU, Tooting	**ONCOLOGY** 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
16/04/2007	Michelle Milner	Network Manager / Lead Nurse Paediatric Critical Care Network, Leeds PCT	**OUT OF REGION TRANSFERS** 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. However, this will not be possible as it has the potential to identify individual patients. Therefore my adjusted request is as follows:- Please supply me with information on transfers from within the Yorkshire and the Humber region, grouped into Sheffield patients and Leeds patients. 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 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). 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. Please note: - I already have the information on children transferred from Leeds PICU to Sheffield PICU and Sheffield PICU to Leeds (Supplied by the individual PICU's) therefore please exclude these patients from the information supplied.	Completed

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16/04/2007	Padmanabhan Ramnarayan	Consultant in Paediatric Intensive Care & Retrieval, PICS Informatics Special Interest Group and Study Group Lead	**READ CODES** 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
30/11/2006	Melanie Maxwell	Consultant in Public Health Medicine, Wirral NHS Trust	**NORTH WEST DATA** 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 much 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. LOS data - mean, median and ranges by age group and admission type We have the mean for 2005 and in planning terms it is useful to have this information. However, we recognize 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. Discharge status by admission type To further explore the changes in crude death rate over time Diagnostic group by admission type To further explore the differences in casemix between the two units For 2003-2005, annually can you state: How many North West residents were admitted to a unit outside the North West? Numbers Total bed days	Completed

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			Admissions by Diagnostic groups Admissions by region (or unit) How many non North - West residents were admitted to one of the North West Units? Numbers Total bed days Admissions by Diagnostic groups Admissions by region (or unit) These data will provide some information about flows of patients in and out of the Region and will help to identify some unmet need. 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: Numbers of admissions by year Total bed days by year Discharge status 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.	
22/11/2006	David Inwald	Consultant in PICU, St Mary's Hospital	**ST MARY'S ADMISSIONS** Admissions 1. Total Admissions (November 05- November 06) 2. Total intubated 3. Percentage with an endothracheal 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 specialty 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	Completed

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			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: 14. Mortality (total number) 15. Mortality (percentage of total admissions)	
09/11/2006	Robert Tasker & Mike Sharland	Consultant PICU, Addenbrooke's & Consultant in Paediatric Infectious Disease, St George's	**BACTERAEMIA** Admission information PIM data Interventions Discharge information Ethnic category	Completed
09/10/2006	Reinout Mildner	Consultant Paediatric Intensivist, Birmingham Children's Hospital	**BIRMINGHAM DATA** For as many years as you have data available: 1. Bed days at BCH for children with WM postcode 2. Interventions at BCH children with WM postcode 3. PIM data at BCH children with a WM postcode Then again but for any PICU 4. Bed days at any PICU for children with WM postcode 5. Interventions at any PICU children with WM postcode 6. PIM data at any PICU children with a WM postcode	Completed
09/10/2006	Reinout Mildner	Consultant Paediatric Intensivist, Birmingham Children's Hospital	**WEST MIDLANDS PATIENTS ADMISSIONS OUTSIDE WM** For as many years as you have available: Any acute admissions to any UK PICU outside the West Midlands region of patients with a West Midlands postcode. We require number of admissions with date and time of admission. If it is possible to provide primary diagnosis and referring hospital in the West Midlands this would help.	Completed
05/10/2006	David Cremonesini	Respiratory Paeds SpR, John Radcliffe Hospital, Oxford	**EMPYEMA** Incidence of empyema in children admitted to PICU in UK over the past years since PICANet started	Clarification being sought
03/10/2006	Charles Stack/ Jo Knutton	ICU Director/Audit Nurse, PICU, Sheffield Children's Hospital	**SHEFFIELD OCCUPANCY/IV** 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 The total number of calendar days that patients were occupying beds, again from 01.01.05 until	Completed

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			31.12.05 inclusive. ' 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.	
19/09/2006	Richard Appleton & Tim Martland	Consultant Paediatric Neurologists	**REFRACTORY CONVULSIVE STATUS EPILEPTICUS** 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.	Clarification being sought
17/08/2006	Noel Durkin	Department of Health	**CARDIAC** 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
01/08/2006	Heather Titcombe	Specialist Commissioner for Children's Tertiary Services, Jubilee House,South Central SHA,Oxford (host South West SHA)	**SOUTH WEST** I would like the following : 1. The total number of bed days and the percentage paediatric specialty split, for the following hospitals, using the DH Clinical Terminology Coding System : - United Bristol Hospital Trust - Bristol Royal Infirmary - Oxford Radcliffe - Southampton General 2. How many children are refused admission to the hospitals outlined above, what is the reason for the refusal and if possible where did the child then end up?	Completed
30/07/2006	David Pedley	Consultant in Emergency Medicine, James Cook University Hospital	**LEVEL OF CARE** 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. I was hoping to use levels of care defined by Rosenberg et al in the following paper.	Rejected

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			Rosenberg et al (Guidelines and levels of care for paediatric intensive care units) Crit Care Med 2004 vol.32 no10. If this is not the classification used by your database is there a UK equivalent and could you supply these criteria?	
11/07/2006	Tina McClelland	Audit Nurse, PICU, Alder Hey, Liverpool	**SMR STUDY** The SMR for Alder Hey is high. Would like to investigate possible reasons for this. Require: Total deaths, ventilation rate, mortality rate and PIM predicted SMR by year (2003, 2004, 2005) Exclude patients who were dead on admission Look at whether the SMRs might be related to missing PIM data: reanalyze SMR (across the years 2003/04/05) in three groups 1) all patients 2) those where one or more of the PIM physiological variables are missing (PaO2 Bxs, systolic BP) 3) those where all the PIM physiological variables are missing (PaO2 Bxs, systolic BP) also start to look at whether SMRs might be related to the case-mix seen at Alder Hey.	Completed
27/06/2006	Peter Davis	Consultant Paediatric Intensivist, Bristol Royal Hospital for Children	**SOUTHWEST AUDIT OF CRITICALLY ILL CHILDREN** 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. Information required: PICU (NHS Trust) admitted (code); First 3-4 characters of postcode (e.g. BS16); Date of admission; Age; Elective or non-elective admission; Retrieval type (if appropriate); Primary diagnosis (+ read code); Length of stay; Discharge outcome	Completed
26/06/2006	Jonathan Round	Consultant, St George's Hospital PICU, Tooting	**ONCOLOGY STUDY** Raw data on all patients admitted to PICU's in the UK with oncology coding. Data required on: age, sex, oncology diagnosis, and where in treatment (may not be in PICANet dataset), if had bone marrow transplant, other diagnoses, PIM data at admission, if ever ventilated (invasive or non-invasive) or received inotropes, outcome, LOS and status at 30 days. I also need source of admission, planned/unplanned and post surgery.	Completed
08/06/2006	Samy Subramaniam	Deputy Manager, Department of Health, Wellington House	**COSTINGS** 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

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07/06/2006	James McLean	Matron, Leicester PICU Services	**CICU ADMISSIONS** All admissions to LRI CICU, with breakdown level of dependency	Rejected
05/06/2006	Cornelia Junghans	Epidemiologist & Research Fellow, Prognostic Epidemiology Group, UCL Medical School	**NEL PATIENTS STUDY** For all patients in the NEL sector: Not currently in the manual but discussed with Roger Parslow: 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
01/03/2006	James Fraser	Consultant in Paediatric Intensive Care, Bristol Children's Hospital	**PICU ACTIVITY** The number of admissions and number of bed days by PCT (a) for Bristol admissions and (b) for all PICU admissions	Completed
16/01/2006	Sian Thomas	Project Manager, Welsh Assembly Government	**WELSH TBI** 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
12/01/2006	Nour Hassan	Clinical Fellow, Newcastle General Hospital	**NGH RVI ONCOLOGY** 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
08/12/2005	Parviz Habibi	Consultant, St Mary's Hospital	**BRONCHIOLITIS – MORTALITY** Annual death rate from bronchiolitis 2004	Completed
08/12/2005	Nadeem Moghal	Consultant Paediatric Intensive Care, Nephrology, RVI Newcastle	**RENAL FAILURE** Epidemiology of acute renal failure in PICU setting, nationally – CVVH, HD, PD etc	Completed

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06/12/2005	Corinne Camilleri-Ferrante	Consultant in Public Health Medicine, TrentCOM	**TRENT BED OCCUPANCY** More information on the bed days in Nottingham (QMC), Sheffield and Leicester, particularly the split in Sheffield between PIC and neonatal surgery beds. The data as they currently appear do not seem logical and I understand that might be the problem.	Completed
01/12/2005	Tim Martland	Consultant Paediatric Neurologist, Royal Manchester Children's Hospital	**STATUS EPILEPTICUS STUDY** PICANet data for children admitted with Status epilepticus (please specify :…..) Treatment used for status epilepticus (possibly use custom fields section of database).	Rejected
11/11/2005	Mark Darowski	Clinical Director, Leeds Teaching Hospitals Trust	**LEEDS BED PLANNING STUDY** Data request from SOAPS for PICU data 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. 2. Patient flows. a. For each PCT within our area, identify all patients requiring PIC care and the units in which they received it. b. For all patients admitted to Leeds/Hull PICU, identify source PCT. 3. Beds days. Total beds occupied per annum and on each day, aggregated by PCT and by commissioning area. a. Excluding long term ventilated patients (at various levels), therefore excluding patients who have been ventilated for i. > 3/12 ii. > 6/12 iii. > 9/12 b. Excluding high dependency patients (those who have never been ventilated during their PICU stay) Calculate funded beds per 100,000 population. 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. 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 services Plan services Plan services.	Completed

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26/10/2005	Peter Davis	Consultant Paediatric Intensivist, Bristol Royal Hospital for Children	**BRISTOL CPR** Numbers of both in-hospital and out-of hospital arrests for 2003-4 admitted to PICU, their ages, admission diagnosis and their ultimate outcome (survival / non-survival). Also their pupillary reaction.	Completed
20/10/2005	Zoey Taylor	Audit Clerk, University Hospital of Wales	**CARDIFF MENINGITIS** Number of patients admitted to Cardiff's PICU with a diagnosis of meningococcal disease (by month / age / admission source).	Completed
10/10/2005	Sophie Lusby	Project Manager - Children's Services Barts and the London NHS Trust	**SUPPLEMENTARY REQUEST** 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
06/10/2005	David Cremonesini	Registrar, John Radcliffe Hospital, Oxford	**OXFORD NIV** 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
22/08/2005	Iain MacIntosh	Consultant in PICU, Southampton General Hospital	**SOUTHAMPTON RESPIRATORY** 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
16/08/2005	Kevin Morris	Consultant in PICU, Birmingham Children's Hospital	**NEURO MONITORING** 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

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03/08/2005	Kevin Morris	Consultant in PICU, Birmingham Children's Hospital	**WEST MIDLANDS BURNS** Numbers, severity (%), length of stay, mortality (and time to death).	Completed
29/07/2005	Duncan Macrae	PICU Director, Royal Brompton Hospital	**GLYCAEMIA CONTROL INTERVENTION TRIAL** Numbers of admissions of children invasively ventilated Numbers given inotropes Whether they received cardiac surgery or not Length of stay Mortality at discharge.	Completed
21/06/2005	Noel Durkin	Child Health Services Directorate, Department of Health	**CASELOAD PRESSURES** Department of Health provided their draft **'National Paediatric Intensive Care Capacity Stock take'** proforma and requested PICANet completed the data fields where possible. (Data was requested for 2001 - 2005). 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.	Completed
13/06/2005	Stuart Rowe	Lead Commissioner - Pan Thames, Hammersmith and Fulham PCT	**PAN THAMES COMMISSIONERS' REQUEST** 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). DATA BY YEAR AND BY SHA PICU admissions by month PICU admissions by gender PICU admissions by age: Age groups: ≤28 days, 29 days to <1 year, 1 to <2 years, 2 to <5 years, 5 to <10 years, 10 years plus. PICU admissions by diagnosis on admission. Diagnostic groups: Accidents & poisoning, Blood/lymphatic, Cardiovascular, Congenital, Endocrine/metabolic, Gastrointestinal, Infection, Musculoskeletal, Neurological, Oncology, Perinatal, Respiratory, Trauma, Urological, Other. PICU admissions by intervention received: Invasive ventilation, Non-invasive ventilation, ECMO, IV vasoactive drug therapy, LVAD, ICP device, Renal support.	Completed

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			PICU admissions by length of stay In hours: <1, 1 to <4, 4 to <12, 12 to <24, 24 plus. In days: <1, 1 to <3, 3 to <7, 7 to <14, 14 to <28, 28 plus. PICU admissions by days of invasive ventilation In days: <1, 1 to 2, 3 to 5, 6 to 10, 11 plus. PICU admissions by unit discharge status Status: Alive or dead. PICU admissions by unit discharge destination Destination groups: Home, Same hospital, Other hospital. Number of retrievals by team type Team type: Own team, Other specialist team (PICU), Other specialist team (non-PICU), Non-specialist team. The above can all be done by month for an aggregated Pan Thames dataset. UNIT LEVEL DATA BY YEAR AND BY PCT PICU admissions by treating unit (*anonymised until agreement received). *Responsibility of Pan Thames to gain agreement from lead clinician. The above can all be done by month for an aggregated Pan Thames dataset.	
13/06/2005	Stuart Rowe	Lead Commissioner - Pan Thames, Hammersmith and Fulham PCT	**SUPPLEMENTARY REQUEST:** 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). DATA BY YEAR AND BY SHA Number of retrievals by primary diagnostic group Diagnostic groups: Accidents & poisoning, Blood/lymphatic, Cardiovascular, Congenital, Endocrine/metabolic, Gastrointestinal, Infection, Musculoskeletal, Neurological, Oncology, Perinatal, Respiratory, Trauma, Urological, Other ? More details for neurological LTV patients ? Define LTV ? Data ?Ethnicity / Mortality / Illness severity	Completed
29/05/2005	Simon Nadel	Consultant in Paediatric Intensive Care, St Mary's Hospital, London	**SEPSIS STUDY** The numbers of children admitted to PICUs with a primary or secondary diagnosis of sepsis. Is this community or nosocomially acquired? What is the proportion of underlying co-morbidity? What is the age spread? Do you have information about aetiology (i.e. infecting organisms)? How many children with “other” diagnoses (i.e. respiratory / neurological) have a primary infectious cause of PICU admission? What is the outcome?	Still pending (with Roger Parslow)

REQUEST DATE	NAME	POSITION AND PLACE OF WORK	INFORMATION REQUESTED	STATUS
19/04/2005	Sophie Lusby	Project Manager - Children's Services Barts and the London NHS Trust	**NORTH EAST LONDON REQUEST** 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? (numbers/percentages of different diagnoses) And of these please specify single/multi system failure (numbers/percentages of either) Length of stay, in hours Length of intubation, in hours (if not intubated please specify also) Name of treating PIC (numbers and percentages) LESS IMPORTANTLY BUT STILL REQUISITE: Numbers by age, as above, but also 2-5 yrs, 5-10, 10 and above Retrieval/Transfer – type Other reasons for admission Co-morbidities Discharge destination Diagnosis on discharge Any information on readmission	Completed
27/01/2005	Andrew Gill	Senior Casemix Consultant NHS Information Authority	**NHSIA STUDY** Full PICANet dataset	PICANet has written a software utility to enable PICUs to provide data from local PICANet databases
10/01/2005	Peter Davis	Consultant Paediatric Intensivist, Bristol Royal Hospital for Children	**BURNS STUDY** 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

REQUEST DATE	NAME	POSITION AND PLACE OF WORK	INFORMATION REQUESTED	STATUS
23/12/2004	Roz Jones	Specialised Services Commissioning Manager, Specialised Services Commissioning Team, Cheshire West PCT	**NORTH WEST RSV** 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
07/12/2004	Mark Campbell	SHO, Anaesthetics, Derriford Hospital, Plymouth	**TEENAGERS IN PICU** Epidemiology of critical care in teenagers:- A) % and numbers of admissions of 13 to 19 year olds (inclusive) B) diagnostic case-mix by broad category C) male:female ratio D) length of stay and invasive or non-invasive ventilation (mean, median and IQR please) E) outcome F) Could we have the same figures for those admitted from another hospital or from an intensive care unit	Completed
30/11/2004	Ulf Theilen	Locum Consultant, Royal Hospital for Sick Children, Edinburgh	**PERTUSSIS** Number of admissions to PICUs in 2003 and 2004 with diagnosis pertussis Number of deaths of these children Of these children, age at time of death Use of inotropes (yes/no) Level of max. mean airway pressure (if available)	Completed
18/11/2004	Andrew Magnay	Consultant in Paediatric Intensive Care, University of North Staffordshire NHS Trust	**NORTH STAFFS ADMISSIONS** 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: 1. Number of Admissions by PCT during report time window. 2.a. Number of episodes which completed (=discharge or death) during the report time window by PCT, and b. Number of days of PICU care associated with these discharges/ deaths by PCT; 3. Number of admissions by Health authority; 4. a. Number of episodes which completed (=discharge or death) during the report time window by Health Authority and b. Number of days of PICU care associated with these discharges / deaths by Health Authority	Completed
06/10/2004	Simon Nadel	Consultant in Paediatric Intensive Care, St Mary's Hospital London	**RSV STUDY** Number of children admitted to UK PICUs with a diagnosis of acute viral bronchiolitis, and/or (if possible) a diagnosis of RSV infection.	Completed

REQUEST DATE	NAME	POSITION AND PLACE OF WORK	INFORMATION REQUESTED	STATUS
04/10/2004	Charles Stack	Director ICU, Sheffield Children's Hospital	**PREVALENCE RATES OF ADMISSION** Prevalence rate of admissions per 1000 children per year in PICANet recording area for the last full year.	Completed
24/09/2004	Mark Darowski	Clinical Director, Leeds Teaching Hospitals Trust	**LEEDS SMRs** 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
06/07/2004	Tom Blyth	Clinical Research Fellow Department of Paediatric Allergy, St Mary's Hospital, London	**ASTHMA STUDY** 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

The Paediatric Intensive Care Audit Network Data Collection Form

Admission number

NHS number

Case note number

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

Postcode

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

Family name

Second family name

First name

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

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

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

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

Birth order of **Multiplicity**

GP Practice Code

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

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

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

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

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

Retrieval / transfer
- ☐ Yes
- ☐ No

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

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

Diagnoses and procedures

Primary diagnosis for this admission:

Other reasons for this admission:

Operations or procedures performed during this admission:

Co-morbidity:

PICANet data collection form Version 7.01 August 2007

Daily Interventions

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

Admission date: .....

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

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

Reason for isolation:

PIM/PIM2 – Reason for admission

Tick if this is an elective admission

☐

Main reason for this PICU admission

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

PIM/PIM2 – Medical History

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

- ☐ Yes
- ☐ No

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

Day	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
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Did the child have a tracheostomy performed during this admission?

☐ Yes ☐ No

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

Name of clinical trial:

PIM/PIM2 – Physiology

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

Blood gas in first hour? ☐ Yes ☐ No

Arterial PaO_2 ☐☐ . ☐☐ kPa OR ☐☐☐ mmHg

FiO_2* ☐ . ☐☐

Intubation* ☐ Yes ☐ No

Headbox* ☐ Yes ☐ No

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

State first measurement recorded in defined time period

Systolic blood pressure ☐☐☐ mmHg

±

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

Pupil reaction

☐ Both fixed and dilated
☐ Other reaction
☐ Not known

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

Mechanical ventilation ☐ Yes ☐ No ☐ N/K

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

Discharge information

Status at discharge from your unit

☐ Alive ☐ Dead ☐ Discharged for palliative care

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

Time of discharge *(hh:mm)* ☐☐ : ☐☐

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

Time of death *(hh:mm)* ☐☐ : ☐☐

Destination following discharge from your unit

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

Follow-up 30 days post-discharge from your unit

Status ☐ Alive ☐ Dead ☐ Not known

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

Location

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

Growth measurements *(if required by unit)*

Height ☐☐☐ . ☐ cm

Weight ☐☐☐ . ☐☐☐ kg

Abdominal circumference ☐☐☐ . ☐ cm

Form completed by

Custom or user-defined fields

Field name	Value

Comments

Standard NHS ethnic categories

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

Queries

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

Roger Parslow
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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
Email: picanet@leeds.ac.uk

✉ **Patricia McKinney, Roger Parslow, Phil McShane & Sarah Skinner**
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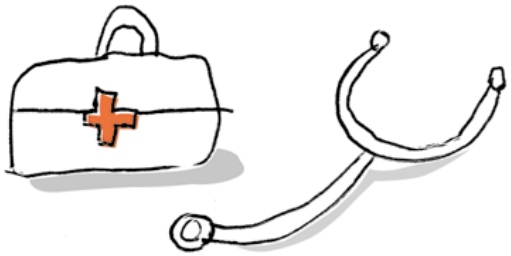

PICA Net

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

PICANet data validation audit

PICU name | **Visited by** | **Date of visit** (__ / __ / 20__)

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

Continued over…

Variable	Visit value	Discrepancy
PIM/PIM2 - Physiology		
Blood gas in first hour?	☐ Yes ☐ No	
Arterial PaO_2	☐☐ . ☐☐ kPa OR ☐☐☐ mmHg	
FiO_2	☐ . ☐☐	
Intubation	☐ Yes ☐ No	
Headbox	☐ Yes ☐ No	
Systolic blood pressure	☐☐☐ mmHg *± 5 mmHg is acceptable*	
Base excess *(arterial/capillary)*	± ☐☐☐ . ☐	
Pupil reaction	☐ Both fixed and dilated ☐ Other reaction ☐ Not known	
Mechanical ventilation	☐ Yes ☐ No	
CPAP	☐ Yes ☐ No	
Interventions		
Invasive ventilation	☐ Yes ☐ No	
Invasive ventilation days	☐☐☐ Start date ☐☐ / ☐☐ / 20☐☐ Stop date ☐☐ / ☐☐ / 20☐☐	
Non-invasive ventilation	☐ Yes ☐ No	
Non-invasive ventilation days	☐☐☐ Start date ☐☐ / ☐☐ / 20☐☐ Stop date ☐☐ / ☐☐ / 20☐☐	
Discharge		
Date of discharge	☐☐ / ☐☐ / 20☐☐	
Time of discharge	☐☐ : ☐☐ *± 30 minutes is acceptable*	

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 desription) [(No notes)]	Must have a primary reason for admission recorded

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

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

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

APPENDIX I MONTHLY ADMISSIONS REPORT

Admissions

Sum of Admissions	SITEID																																			
YEAR	MONTH	1	2	3	4	5	6	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	31	32	33	34	35	Grand Total
2007	1	96	25	55	48	34	78	31	40	90	114	107	20	68	36	32	11	58	18	37	20	22	43	27	3	71	31	4	40	38					1297
	2	76	17	58	41	29	79	26	32	84	95	97	24	54	27	31	8	66	14	30	35	17	43	15	4	59	34	3	33	36	12				1179
	3	99	20	55	47	28	81	32	31	84	125	100	38	42	38	33	8	43	17	18	38	20	44	25	7	69	31	3	43	48	32				1299
	4	84	18	63	50	24	75	30	35	79	118	88	24	61	34	26	8	43	16	25	16	21	32	25	8	47	33		53	42	37	80			1295
	5	84	24	50	46	21	85	41	36	99	123	102	28	63	33	33	2	55	15	21	33	25	33	25	9	58	34	6	52	41	38	83			1398
	6	92	19	54	35	32	70	36	25	86	130	95	26	43	47	22	10	50	22	25	25	25	33	31	7	54	23	5	41	41	35	75			1314
	7	88	9	55	40	29	88	31	30	90	146	103	27	52	40	26	13	56	22	22	30	22	20	36	3	73	26	5	56	29	28	61			1356
	8	98	7	51	51	20	70	26	31	94	152	102	16	47	26	28	11	60	10	32	25	23	16	26	12	74	26	4	43	37	31	85			1334
	9	103	3	50	36	22	71	28	31	83	131	87	37	54	20	27	7	38	13	20	30	26	22	26	10	45	21	4	39	32	37	61			1214
	10	110	10	62	46	29	71	38	27	103	130	115	20	53	32	30	19	54	13	33	41	23	23	29	8	70	41	3	46	41	43	60			1423
	11	112	11	77	42	32	85	27	23	99	133	124	13	59	31	39	12	67	16	25	43	22	30	24	5	68	39	3	38	44	39	84			1466
	12	116	12	68	42	24	65	32	33	95	118	104	30	46	37	41	10	61	18	30	29	31	21	26	9	69	37	5	53	34	34	62			1392
2007 Total		1158	175	698	524	324	918	378	374	1086	1515	1224	303	642	401	368	119	651	194	318	365	277	360	315	85	757	376	45	537	463	366	651			15967
2008	1	99	30	60	52	31	93	31	40	93	135	89	34	56	37	26	11	62	19	29	32	27	20	36	5	64	30	4	48	60	27	94			1474
	2	87	29	53	37	21	70	17	29	86	134	86	23	50	35	15	8	64	17	21	19	26	22	33	5	49	24	7	41	43	30	86			1267
	3	102	30	58	39	27	69	22	35	97	107	101	29	48	41	25	13	57	17	28	27	29	29	35	13	52	28		53	44	36	76			1367
	4	90	30	70	35	23	82	33	24	100	119	84	24	44	41	23	17	65	14	30	27	26	35	22	11	48	37	3	43	42	26	68	14		1350
	5	89	25	58	36	30	71	28	25	86	143	105	39	44	47	30	13	53	12	22	25	30	37	18	6	53	28	2	41	36	22	77	31		1362
	6	98	22	55	39	22	59	30	28	113	143	103	23	41	38	26	9	47	19	27	33	23	30	25	3	65	23	1	31	28	27	77	29		1337
	7	104	17	74	30	21	60	50	32	92	136	109	22	47	46	27	4	55	19	24	32	31	41	30	7	64	24	1	31	36	36	62	28		1392
	8	91	23	62	37	18	50	46	30	90	138	102	30	58	31	24	13	50	9	27	33	20	42	17	10	61	25	1	24	38	25	79	32		1336
	9	88	27	68	50	24	67	36	30	88	131	87	39	58	37	23	15	49	13	20	24	21	32	19	7	45	34	2	45	33	35	57	31		1335
	10	89	25	64	41	32	78	40	38	102	151	93	52	62	43	21	10	56	22	21	27	18	31	24	6	75	32	2	43	38	42	79	38		1495
	11	87	13	64	37	30	69	23	46	101	129	106	50	54	47	25	9	64	19	29	23	25	31	19	8	72	32	5	52	42	45	96	30		1482
	12	91	18	63	44	30	67	29	43	101	127	111	38	48	47	41	9	52	22	28	26	34	40	25	8	75	36	4	52	43	50	96	25	1	1524
2008 Total		1115	289	749	477	309	835	385	400	1149	1593	1176	403	610	490	306	131	674	202	306	328	310	390	303	89	723	353	32	504	483	401	947	258	1	16721
2009	1	99	53	52	47	29	74	32	35	93	135	96	51	48	36	33	7	61	16	18	31	30	25	30	6	61	27	4	44	45	40	86	45	5	1494
	2	107	38	51	39	31	55	27	29	71	112	87	44	52	35	30	5	53	10	24	24	30	27	36	6	62	21	3	28	36	30	75	31	61	1370
	3	102	53	44	56	34	77	33	37	95	136	102	51	59	48	30	9	64	22	20	32	28	30	31	9	64	27	1	29	37	37	69	38	68	1572
	4	94	39	48	37	25	69	32	35	91	143	94	44	50	43	19	11	65	11	26	14	15	35	25	10	57	14	2	26	29	28	82	46	78	1437
	5	111	41	58	49	16	74	30	35	83	142	92	55	55	24	27	7	63	7	18	22	27	24	31	10	54	23	6	26	40	37	77	36	74	1474
	6	110	39	52	39	23	72	40	30	103	135	104	47	60	44	24	10	52	13	14	29	36	24	25	6	61	29	2	35	32	38	82	51	73	1534
	7	121	27	56	43	27	62	36	33	79	125	81	49	53	42	23	6	73	9	21	36	20	37	29	11	68	27	3	25	38	42	80	32	83	1497
	8	105	28	47	35	29	59	36	33	77	129	90	48	58	35	21	5	45	7	26	31	21	23	27	4	57	25	2	25	39	25	77	32	66	1367
	9	120	40	39	48	24	64	41	40	104	137	92	51	63	51	24	8	64	19	26	29	24	43	29	11	78	36	1	29	25	36	77	41	75	1589
	10	115	37	58	45	23	62	27	33	99	152	107	42	62	53	29	14	61	19	23	27	27	33	26	8	69	33	2	23	34	32	94	52	73	1594
	11	116	34	61	46	36	81	37	39	105	158	101	47	66	53	38	19	67	23	23	28	29	30	23	8	76	29	2	31	42	28	88	40	71	1675
	12	139	54	67	49	47	66	20	35	123	147	121	49	69	46	39	17	65	17	34	20	28	34	36	9	72	47	4	42	50	26	54	42	97	1765
2009 Total		1339	483	633	533	344	815	391	414	1123	1651	1167	578	695	510	337	118	733	173	273	323	315	365	348	98	779	338	32	363	447	399	941	486	824	18368
Grand Total		3612	947	2080	1534	977	2568	1154	1188	3358	4759	3567	1284	1947	1401	1011	368	2058	569	897	1016	902	1115	966	272	2259	1067	109	1404	1393	1166	2539	744	825	51056

APPENDIX J DATA STATUS REPORT

January 2007 - December 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	25/05/2010	85	8160	01/11/2002	09/04/2010				1		1			**2**
2	20/05/2010	282	2065	02/01/2003	14/05/2010					1				**1**
3	17/05/2010	143	5221	02/11/2002	30/04/2010	1				3				**4**
4	18/05/2010	572	3758	05/03/2002	30/03/2010									**0**
5	26/04/2010	286	2246	04/11/2002	22/04/2010	58								**58**
6	14/05/2010	121	6454	30/10/2002	21/03/2010	1								**1**
8	05/05/2010	205	3470	01/11/2002	16/02/2010	87			1		1			**89**
9	17/05/2010	352	2834	01/11/2002	04/01/2010	174			1	2				**177**
10	20/05/2010	248	7894	02/11/2002	11/02/2010	2								**2**
11	29/04/2010	109	11625	16/01/2003	02/03/2010	234	12				2			**248**
12	26/04/2010	39	8057	01/03/2003	28/02/2010	55				1440	2	3		**1500**
13	10/05/2010	149	2690	01/03/2003	30/04/2010	1				22	1		1	**25**
14	26/04/2010	70	4291	01/03/2003	31/01/2010	3				4	2			**9**
15	20/05/2010	173	3086	01/03/2003	30/04/2010	3	4			6		5		**18**
16	05/05/2010	139	2659	01/03/2003	01/05/2010	8				2				**10**
17	10/03/2010	138	728	04/03/2003	08/03/2010	187			1	2	1			**191**
18	24/05/2010	177	4635	01/11/2002	14/03/2010	263	1		2	1	9			**276**
19	13/05/2010	566	1383	01/11/2002	10/05/2010									**0**
20	24/05/2010	226	2280	02/11/2002	19/05/2010						2			**2**
21	23/04/2010	109	2491	01/11/2002	09/04/2010									**0**
22	10/02/2010	205	2031	02/11/2002	31/12/2009	67	1		1					**69**
23	20/05/2010	524	2877	01/11/2002	11/05/2010									**0**
24	10/03/2010	146	2290	01/11/2002	31/12/2009		2				5			**7**
25	16/03/2010	155	627	01/11/2002	31/12/2009	5								**5**
26	20/05/2010	178	5379	01/11/2002	20/05/2010									**0**
27	21/05/2010	359	2338	01/11/2002	30/04/2010									**0**
28	24/05/2010	201	339	01/11/2002	12/04/2010									**0**
29	18/05/2010	304	3543	01/11/2002	08/05/2010							1		**1**
31	20/05/2010	243	2459	07/12/2004	19/05/2010									**0**
32	26/04/2010	122	1187	13/02/2007	11/04/2010	2				2				**4**
33	04/02/2010	22	2539	02/04/2007	31/12/2009				1		2			**3**
34	21/05/2010	17	805	21/04/2008	14/02/2010	1177				3	1			**1181**
35	20/05/2010	16	1200	18/12/2008	16/05/2010									**0**
			113641			**2328**	**20**		**8**	**1488**	**29**	**9**	**1**	**3883**

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

K.1 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	Krish Thiru
University of Leicester,	Department of Health Sciences.	14/03/2007	The UK Paediatric Traumatic Brain Injury Study	Roger Parslow

	University of Leicester			
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
National Clinical Advisory Group (NCAAG)	London	24/06/2009	PICANet; its origins structures and outputs.	Roger Parslow
PICS Annual Meeting	Cambridge	3 & 4/09/2009	The PICANet Report	Liz Draper
PICANet AGM	Institute of Child Health, London	12/11/2009	Presentation of the National Report	PICANet Team
2010 International Trauma Care Conference	Park Inn, Telford	13/05/2010	PICANet Data	Roger Parslow
PICS SG Summer Meeting	Lord's Cricket Ground, London	09/07/2010	H1N1 – How should we use our data?	Roger Parslow

K.2 Publications

Journal	Title	Authors
Pediatrics (2004) **113** 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) **90** 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) **90** 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) **330** 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) **330** 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) **118** 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) **25** 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) **23** 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) **32**(9) 1458	Organ donation in paediatric traumatic brain injury	Morris KP, Tasker RC, Parslow RC, Forsyth RJ, Hawley CA

Intensive Care Medicine (2006) **32**(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) **117** 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) **92** 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) **9**(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) **336** 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) **167** 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) **94** 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) **338** 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 Paediatric Intensive Care Society Study Group (PICS SG).
Diabetic Medicine, 27, 705–708	Short Paper: Paediatric intensive care admissions for acute diabetes complications	Burns MR, Bodansky HJ, Parslow RC
Sage Journals Online 16th March 2010	Palliative care discharge from paediatric intensive care units in Great Britain	Fraser LK, Fleming T, Miller M, Draper ES, McKinney PA and Parslow RC.

K.3 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) **47** (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
5th 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
5th World Congress on Pediatric Critical Care, 24-28 June 2007, Geneva, Switzerland (poster presentation)	Collecting national data for clinical audit: The Paediatric Intensive Care Audit Network in Great Britain	Parslow RC, McKinney PA, Draper ES, Thiru K

5th World Congress on Pediatric Critical Care, 24-28 June 2007, Geneva, Switzerland (poster presentation)	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
5th 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
5th 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
5th 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
5th World Congress on Pediatric Critical Care, 24-28 June 2007, Geneva, Switzerland (poster presentation)	Clinical information system utilisation in paediatric intensive care: A UK perspective	Ramnarayan P, Thiru K, Rowe S on behalf of pan Thames Health Informatics Group
The 15th Annual Public Health Forum, Edinburgh International Conference Centre, 28-29 March 2007, Edinburgh, UK (poster presentation)	Using Data to Inform Commissioning of Paediatric Intensive Care	Sidhu S, Rowe S & Thiru K
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.
PICS Annual Meeting, Holland House, Cardiff. 20th November 2008	PIM Recalibration	Parslow RC
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.

Occupancy/ Nursing & Medical Log A

- Please complete at **12 noon** on **Wednesday 09/12/2009**
- Please see notes for completion overleaf

Bands of Nursing staff	No. on duty at 12 noon	Total number with PIC qualification	Grades of Medical staff	No. on duty at 12 noon	No. on call at 12 noon
Band 2			**Foundation Years**		
Band 3			**ST1-3 equivalent**		
Band 4			**ST4-8 equivalent**		
Band 5			**Clinical Fellows**		
Band 6			**Staff Grade and Associate Specialist Doctors**		
Band 7					
Band 8 Modern Matron			**Cons. Paediatric Intensivists**		
Band 8 Nurse Consultant			**Consultant Paediatricians**		
Band 9 Nurse Consultant higher level			**Consultant Anaesthetists**		
Other please specify details- *i.e. Agency / Bank*			**Other Consultants working on PICU,** *specify speciality below:-*		
1.			***1.***		
2.			***2.***		
RETRIEVAL STAFF ***please complete if unit has separate retrieval staff rota***					
Band *Insert band*			**Grade** *Insert grade*		

Additional Information to be collected at 12 noon

Number of beds on PICU	No. of funded beds	No. of Beds			Reason for closure *i.e. sickness, infection, staff shortage, financial*
		Open & occupied	Open & empty	Closed	
ICU designated					
HDU designated					

Total number of children in the unit	No. Level IV	No. Level III	No. Level II	No. Level I	No. Retrievals/Transfers *during prev. 12 hr period*

PLEASE COMPLETE:- Site ID _____

Hospital _____

Unit _____

Form completed by: _____
(print name)

Contact tel. no: _____

Email address: _____

Please return in *FREEPOST envelope* to:-

Caroline Lamming
PICANet Research Nurse
University of Leicester
Dept. of Health Sciences
FREEPOST LE3296
22-28 Princess Road West
Leicester, LE1 7ZE.

by 18/12/2009

Occupancy/ Nursing & Medical Log B

- Please complete at **12 midnight** on **Weds 09/12/2009**
- Please see notes for completion overleaf

Bands of Nursing staff	No. on duty at 12 mid night	Total number with PIC qualification	Grades of Medical staff	No. on duty at 12 midnight	No. on call at 12 midnight
Band 2			**Foundation Years**		
Band 3			**ST1-3 equivalent**		
Band 4			**ST4-8 equivalent**		
Band 5			**Clinical Fellows**		
Band 6			**Staff Grade and Associate Specialist Doctors**		
Band 7					
Band 8 Modern Matron			**Cons. Paediatric Intensivists**		
Band 8 Nurse Consultant			**Consultant Paediatricians**		
Band 9 Nurse Consultant higher level			**Consultant Anaesthetists**		
Other please specify details- *i.e. Agency / Bank*			**Other Consultants working on PICU,** *specify speciality below:-*		
1.			*1.*		
2.			*2.*		
RETRIEVAL STAFF ***please complete if unit has separate retrieval staff rota***					
Band *Insert band*			**Grade** *Insert grade*		

Additional Information to be collected at 12 noon

Number of beds on PICU	No. of funded beds	No. of Beds			Reason for closure *i.e. sickness, infection, staff shortage, financial*
		Open & occupied	Open & empty	Closed	
ICU designated					
HDU designated					

Total number of children in the unit	No. Level IV	No. Level III	No. Level II	No. Level I	No. Retrievals/Transfers *during prev. 12 hr period.*

PLEASE COMPLETE:- Site ID _____

Hospital _____

Unit _____

Form completed by: _____
(print name)

Contact tel. no: _____

Email address: _____

Please return in *FREEPOST envelope* to:-

Caroline Lamming,
PICANet Research Nurse
University of Leicester
Dept. of Health Sciences,
FREEPOST LE3296
22-28 Princess Road West
Leicester, LE1 7ZE.

by 18/12/2009

Occupancy/ Nursing & Medical Log C

- Please complete at **12 noon** on **Sunday 13/12/2009**
- Please see notes for completion overleaf

Bands of Nursing staff	No. on duty at 12 noon	Total number with PIC qualification	Grades of Medical staff	No. on duty at 12 noon	No. on call at 12 noon
Band 2			**Foundation Years**		
Band 3			**ST1-3 equivalent**		
Band 4			**ST4-8 equivalent**		
Band 5			**Clinical Fellows**		
Band 6			**Staff Grade and Associate Specialist Doctors**		
Band 7					
Band 8 Modern Matron			**Cons. Paediatric Intensivists**		
Band 8 Nurse Consultant			**Consultant Paediatricians**		
Band 9 Nurse Consultant higher level			**Consultant Anaesthetists**		
Other please specify details- *i.e. Agency / Bank*			**Other Consultants working on PICU,** *specify speciality below:-*		
1.			*1.*		
2.			*2.*		
RETRIEVAL STAFF ***please complete if unit has separate retrieval staff rota***					
Band *Insert band*			**Grade** *Insert grade*		

Additional Information to be collected at 12 noon

Number of beds on PICU	No. of funded beds	No. of Beds			Reason for closure *i.e. sickness, infection, staff shortage, financial*
		Open & occupied	Open & empty	Closed	
ICU designated					
HDU designated					

Total number of children in the unit	No. Level IV	No. Level III	No. Level II	No. Level I	No. of Retrievals/Transfers *during prev. 12 hr period.*

PLEASE COMPLETE:- Site ID _____

Hospital _____

Unit _____

Form completed by: _____
(print name)

Contact tel. no: _____

Email address: _____

Please return in *FREEPOST envelope* to:-

Caroline Lamming
PICANet Research Nurse
University of Leicester
Dept. of Health Sciences
FREEPOST LE3296
22-28 Princess Road West
Leicester, LE1 7ZE

by 18/12/2009

Occupancy/ Nursing & Medical Log D

- Please complete at **12 midnight** on **Sunday 13/12/2009**
- Please see notes for completion overleaf

Bands of Nursing staff	No. on duty at 12 midnight	Total number with PIC qualification	Grades of Medical staff	No. on duty at 12 midnight	No. on call at 12 midnight
Band 2			**Foundation Years**		
Band 3			**ST1-3 equivalent**		
Band 4			**ST4-8 equivalent**		
Band 5			**Clinical Fellows**		
Band 6			**Staff Grade and Associate Specialist Doctors**		
Band 7					
Band 8 Modern Matron			**Cons. Paediatric Intensivists**		
Band 8 Nurse Consultant			**Consultant Paediatricians**		
Band 9 Nurse Consultant higher level			**Consultant Anaesthetists**		
Other please specify details- *i.e. Agency / Bank*			**Other Consultants working on PICU,** *specify speciality below:-*		
1.			*1.*		
2.			*2.*		
RETRIEVAL STAFF ***please complete if unit has separate retrieval staff rota***					
Band *Insert band*			**Grade** *Insert grade*		

Additional Information to be collected at 12 noon

Number of beds on PICU	No. of funded beds	No. of Beds			Reason for closure *i.e. sickness, infection, staff shortage, financial*
		Open & occupied	Open & empty	Closed	
ICU designated					
HDU designated					

Total number of children in the unit	No. Level IV	No. Level III	No. Level II	No. Level I	No. of Retrievals/Transfers *during prev. 12 hr period.*

PLEASE COMPLETE:- Site ID _____

Hospital _____

Unit _____

Form completed by: _____
(print name)

Contact tel. no: _____

Email address: _____

Please return in *FREEPOST envelope* to:-

Caroline Lamming
PICANet Research Nurse
University of Leicester
Dept. of Health Sciences
FREEPOST LE3296
22-28 Princess Road West
Leicester, LE1 7ZE

by 18/12/2009

PICU Staffing Study

December 2009

HOW TO FILL IN THE Occupancy/Nursing & Medical Log

This form applies to the **designated paediatric intensive care unit** in your hospital. **Only count HDU** if located in the same unit and staffed by the PICU shift staffing roster. The form collects information on both *STAFF and skill mix* and *OCCUPANCY and illness severity* by actual **counts on the unit at noon and midnight**

EVERY section of the form should be completed by the nurse in charge of the unit at the time and date specified

Please complete every column, insert zero if no staff at this grade

COUNTING STAFF - DIFFERENT GROUPS OF STAFF

NURSING STAFF

Only count the staff on duty to deliver clinical care to patients. EXCLUDE clerical staff, receptionists, housekeepers and supernumerary student nurses

1. The overall total number of nurses on duty at this time to give clinical care. Include all clinical nursing staff, any link nurse present giving clinical care, any learners or nurse in training **but only if not supernumerary.**

2. The number of nurses with a paediatric nursing intensive care qualification on duty at this time to give clinical care. Include all specialist nurses in PIC with a critical care course qualification: equivalent to the former ENB 415.

NOTE only count YOUR CLINICAL NURSE MANAGER for example, if on the unit at noon or midnight giving clinical care. (includes on ward round)

MEDICAL STAFF

Count the number of medical staff on duty and the number on call at the specified time.

COUNTING INFANTS/CHILDREN – DIFFERENT GROUPS OF CHILDREN

Count the overall total children on your unit at this time. INCLUDE any children being retrieved in or transferred out from your unit at this time by staff from your shift roster

Count the number of children receiving each Level of Care I to IV (adhere to the PICS Standards)

If you have any additional queries please contact: Caroline Lamming *tel: 0116 252 5414 or email:crl4@leicester.ac.uk*

Using the FREEPOST envelope supplied, please return the completed forms by WEDNESDAY 18th DECEMBER 2009, to:-
Caroline Lamming PICANet Research Nurse, University of Leicester,
Dept. of Health Sciences, FREEPOST LE3296, 22-28 Princess Road West,
Leicester LE1 7ZE

PICU Staffing Study 2009

A study of occupancy & nursing and medical staffing provision

Medical Establishment Information

- **Please see instructions overleaf**
- **Please complete every column, insert zero if no staff at this grade**

Type of Medical staff	**1. Medical establishment W.T.E.**	**2. No. of staff currently in post**	**3. Combined W.T.E. of staff currently in post**	**4. Shift pattern** *e.g.12 hour shifts to cover 24 hour period*	**5. No. with valid APLS training**
Foundation Year 1					
Foundation Year 2					
ST1-3 Paediatrics					
ST4-8 Paediatrics					
ST1-3 Anaesthesia					
ST4-8 Anaesthesia					
Non training grade/Clinical Fellow ST1-3 equivalent					
Non training grade/Clinical Fellow ST4-8 equivalent					
Clinical Research Fellow					
Academic Clinical Fellow					
Academic Clinical Lecturer					
Staff Grade and Associate Specialist Doctors					
Consultant Paediatric Intensivists					
Consultant Paediatricians					
Consultant Anaesthetists					
Other Consultants working on PICU					
Any other medical staff working on PICU					
1.					
2.					
3.					

Site ID_____

Hospital _____

Unit _____

Form completed by _____
(print name)

Email address _____

Please return in FREEPOST envelope to:-

Caroline Lamming,
PICANet Research Nurse
University of Leicester
Department of Health Sciences,
FREEPOST LE3296
22-28 Princess Road West,
Leicester LE1 7ZE
By 18/12/2009

PICU Staffing Study 2009

week commencing 7th December -2009

HOW TO FILL IN THE Medical Establishment Information Form

This form applies to the **designated paediatric intensive care unit** in your hospital. **Only count HDU** if located in the same unit and staffed by the PICU shift staffing roster. The form collects information on both *STAFF and skill mix.*

Each PICU should complete one copy of this form. Every section should be completed once on the first day of the staffing study. (Please enter zeros to show you have not missed a column)

COUNTING STAFF - DIFFERENT GROUPS OF STAFF

Only count the staff who deliver or are on call to deliver clinical care to patients. EXCLUDE supernumerary medical students etc.

1. **The current combined, whole time equivalent, funded medical establishment of persons working at this grade. Include all medical staff but only if not supernumerary.**

2. **The overall total number of staff (persons) on your PICU currently in post at this grade.**

3. **The combined whole time equivalents of staff currently in post at this grade i.e. a doctor working part time may only be 0.5 WTE.**

4. **The shift pattern of staff at this grade e.g. 12 hour shifts to cover a 24 hour period.**

5. **The number of doctors currently in post with valid Advanced Paediatric Life Support.**

If you have any additional queries please contact: ***Caroline Lamming tel: 0116 252 5414 or email:crl4@leicester.ac.uk***

We advise you to retain a photocopy of the completed form.

Using the FREEPOST envelope supplied, please return the completed forms by FRIDAY 18th DECEMBER 2009, to:-

Caroline Lamming PICANet Research Nurse,
University of Leicester,
Dept. of Health Sciences,
FREEPOST LE3296,
22-28 Princess Road West,
Leicester LE1 7ZE

PICU Staffing Study 2009

A study of occupancy & nursing and medical staffing provision

Nursing Establishment and Staffing Information

PICA Net

- **Please see instructions overleaf**
- **Please complete every column, insert zero if no staff at this grade**

PLEASE COMPLETE:- Site ID_____

Hospital _____

Unit _____

Form completed by: _____

(print name)

Bands of Nursing Staff	1. Nursing establishment W.T.E. *Exclude supernumerary student nurses, receptionists, clerks, housekeepers*	2. No. of staff currently in post	3. Combined W.T.E. of staff currently in post	4. No. of specialist nurses with paediatric intensive care qualification *Critical care course: formerly ENB 415*	5. No. of registered children's nurses *RSCN or degree or diploma recognised by NMC in children's branch of nursing*	6. No. with Valid PLS training	7. No. with Valid EPLS/APLS training
Band 2							
Band 3							
Band 4							
Band 5							
Band 6							
Band 7							
8 Modern Matron							
8 Nurse Consultant							
9 Nurse Consultant higher level							
Other please specify details- *i.e. Agency / Bank*							
1.							
2.							
3.							

Does your PICU provide:-	***(Please tick appropriate box)***			
1. A 24 hour fully equipped staffed and resourced Retrieval Service?	**YES**		**NO**	
2. Ensure 24 hr access to a centralised supra-regional Retrieval Service?	**YES**		**NO**	

Please return in *FREEPOST envelope supplied* to:-
Caroline Lamming, PICANet Research Nurse, University of Leicester, Dept. of Health Sciences, FREEPOST LE3296, 22-28 Princess Road West, Leicester LE1 6TP **By 18/12/2009**

PICU Staffing Study 2009

week commencing 7th December -2009

HOW TO FILL IN THE Nursing Establishment and Staffing Information Form

This form applies to the **designated paediatric intensive care unit** in your hospital. **Only count HDU** if located in the same unit and staffed by the PICU shift staffing roster. The form collects information on both *STAFF and skill mix.*

Each PICU should complete one copy of this form. Every section should be completed once on the first day of the staffing study (Please enter zeros to show you have not missed a column).

COUNTING STAFF - DIFFERENT GROUPS OF STAFF

Only count the staff on duty to deliver clinical care to patients. EXCLUDE clerical staff, receptionists, housekeepers and supernumerary student nurses

1. **The current combined, whole time equivalent, funded nursing establishment of persons working at this grade to give clinical care.** Include all clinical nursing staff, any link nurses employed to give clinical care, any learners or nurse in training **but only if not supernumerary.**
2. **The overall total number of staff (persons) on your PICU currently in post at this grade.**
3. **The combined whole time equivalents of staff currently in post at this grade i.e. a nurse working part time may only be 0.5 WTE.**
4. **The number of specialist nurses with a paediatric nursing intensive care qualification currently in post.** Include all specialist nurses in PIC with a critical care course qualification and equivalent to the former ENB 415.
5. **The number of registered children's nurses currently in post to give clinical care**. Include all nurses with an RSCN or degree or diploma in children's branch nursing recognised by the NMC.
6. **The number of nurses currently in post with valid Paediatric Life Support training.**
7. **The number of nurses currently in post with valid Advanced Paediatric Life Support.**

If you have any additional queries please contact: ***Caroline Lamming tel: 0116 252 5414 or email:crl4@leicester.ac.uk***

We advise you to retain a photocopy of the completed form.

Using the FREEPOST envelope supplied, please return the completed forms by FRIDAY 18th DECEMBER 2009, to:-

Caroline Lamming PICANet Research Nurse
University of Leicester,
Dept. of Health Sciences, FREEPOST LE3296
22-28 Princess Road West,
Leicester LE1 7ZE

PICU Staffing Study 2009

A study of occupancy & nursing and medical staffing provision

Other Professionals Survey Form

- **Applies to the designated PICU in your hospital**
- **Please complete every column, insert zero if no staff at this grade or access to this service**
- **If you have any queries please contact Caroline Lamming 0116 252 5414 or email crl4@leicester.ac.uk**

1. **Type of Staff**	**2.** **Please tick if your unit has dedicated time**	**3.** **Total number of sessions**	**4.** **Please tick if attends the daily clinical round**
Paediatric Pharmacist			
Paediatric Physiotherapist			
Paediatric Dietician			
Any other staff group working on PICU			
1.			
2.			

Please tick the boxes below if your PICU has the following:-

5. **Type of Service**	**6.** **Access to service in hospital**	**7.** **Time dedicated to PICU**	**8.** **Time dedicated to paediatrics**
Bereavement Counselling Service			
Psychological Support for Families			
Psychological support for Staff			
Social Work			
Interpreters			
Interfaith support			

Site ID _____ Hospital _____

Unit _____

Form completed by: _____

Tel no: _____

Email address _____

Please return in FREEPOST envelope to:-
Caroline Lamming,
PICANet Research Nurse,
Department of Health Sciences,
University of Leicester,
22-28 Princess Road West,
Leicester LE1 7ZE
By **18/12/2009**

GLOSSARY

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

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

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

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