



# 2013 ANNUAL REPORT

APPENDICES

Paediatric Intensive  
Care Audit Network



JANUARY 2010 – DECEMBER 2012



University of  
**Leicester**



**UNIVERSITY OF LEEDS**

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## A. PARTICIPATING ORGANISATION & 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	The Royal London Hospital	PCCU	2 ventilated beds	4	General
Birmingham Children's Hospital NHS Trust	Birmingham Children's Hospital	PICU	26	0	General
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 <sup>1</sup>	3	General
Cardiff & Vale NHS Trust	University Hospital of Wales	PICU	7	0	General
Central Manchester University Hospitals NHS Foundation Trust	Royal Manchester Children's Hospital	PICU	17	0	General
Great Ormond Street Hospital for Children NHS Trust	Great Ormond Street Hospital for Children	CCCU	17	0	Cardiac
		PICU & NICU	22	0	General & Neonatal Unit
Guy's & St. Thomas' NHS Foundation Trust	Evelina Children's Hospital	PICU	18	0	General & Cardiac
HSE (Health Services Executive)	Children's University Hospital, Temple Street, Dublin	PICU	9	0	General
	Our Lady's Children's Hospital, Crumlin, Dublin	PICU	18	5	General & Cardiac
Hull & East Yorkshire Hospitals NHS Trust	Hull Royal Infirmary	PICU beds on AITU	2	4 <sup>2</sup>	Adult ICU providing General PICU
King's College Hospital NHS Trust	King's College Hospital	PICU	8	8	General & Hepatic & Neurosurgical
Leeds Teaching Hospitals NHS Trust	Leeds General Infirmary	Wards L2 & L7	16	0	General & Cardiac
Newcastle Upon Tyne Hospitals NHS Foundation Trust	Great North Children's Hospital <sup>3</sup>	PICU	11	0	General & Surgical ICU
	Freeman Hospital	PICU Freeman	10	0	Cardiothoracic surgery, heart failure, ECMO & ENT
NHS Lothian – University Hospitals Division	Royal Hospital for Sick Children, Edinburgh	PICU	8	6 <sup>4</sup>	General (plus neurosurgical and spinal)
NHS Greater Glasgow and Clyde – Women and Children's Division	Yorkhill Hospital, Glasgow	PICU	17	7	General, Cardiac & ECMO
Oxford University Hospitals NHS Trust	The John Radcliffe Hospital	PCCU	8 <sup>5</sup>	8	General (plus neurosurgical)
Nottingham University Hospitals NHS Trust	Queen's Medical Centre	PICU	6	4	General (plus Regional oncology, major trauma, ENT, paediatric surgery, regional neurosurgical, spinal, supraregional renal service and cleft lip & palate services)

NHS Trust	Participating Hospital	Unit / Ward	Number of ITU beds	Number of HDU beds	Type of unit
Royal Brompton & Harefield NHS Foundation Trust	Royal Brompton Hospital	PICU	12 <sup>6</sup>	4	Cardiac & Respiratory
Royal Liverpool Children's NHS Trust	Liverpool Alder Hey Children's Hospital	PICU	22	0	General & Cardiac
Sheffield Children's NHS Foundation Trust	Sheffield Children's Hospital	PCCU	9	9	General (plus major trauma, neurosurgery, ENT, oncology, metabolic, paediatric surgery, spinal)
		Neonatal Surgical Unit	2	0	Neonatal Surgical Unit
Southampton University Hospitals NHS Trust	Southampton General Hospital	PICU	12 <sup>7</sup>	10 <sup>8</sup>	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	5	3 <sup>9</sup>	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 <sup>10</sup>	2	General & Surgery
Belfast Health and Social Care Trust	Royal Belfast Hospital for Sick Children	PICU	8 <sup>11</sup>	0	General
University Hospitals Bristol NHS Foundation Trust	Bristol Royal Hospital for Children	PICU	15 <sup>12</sup>	0	General & Cardiac
University Hospitals of Leicester NHS Trust	Leicester Royal Infirmary	CICU	9 <sup>13</sup>	5 <sup>14</sup>	General
	Glenfield Hospital	PICU	12 <sup>15</sup>	0	Cardiac & ECMO
University Hospital of North Staffordshire NHS Trust	University Hospital of North Staffordshire	PICU	6	1	General
Non NHS	The Harley Street Clinic	PICU	13	5	General & Cardiac

1 Increasing to 9 ITU and 4 HDU beds effective from April 2013.

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

3 In 2010 the General and Royal Victoria PICU's merged within the Great North Children's Hospital.

4 At times funded for 10 ITU and 6 HDU beds.

5 2 ITU/ HDU beds are used flexibly when invasive ventilation is required.

6 ITU/ HDU beds are used flexibly.

7 From 1<sup>st</sup> June 2012 unit has 12 beds. Previously 13.

8 HDU beds are in 2 separate HDU units (4 Cardiac and 6 General).

9 Additional 2 beds available if needed.

10 Now closed.

11 The unit is anaesthetist-led and only admits patients under 13 years unless remaining under the care of an existing Paediatrician. Increasing to 12 beds in June 2013.

12 15 staffed ITU beds in 18 space unit.

13 9 ITU beds but only 6 staffed.

14 5 HDU beds on adjacent ward (not part of PICU).

15 12 ITU beds but only 6 staffed.

## B. CLINICAL ADVISORY GROUP MEMBERSHIP

Name	Position	NHS Trust / Hospital	Period served
Dr Rachel Agbeko	Paediatric Intensivist	Newcastle upon Tyne Hospitals NHS Foundation Trust Great North Children's Hospital	2012 - present
Dr John Alexander	Consultant in Paediatric Intensive Care	University Hospital of North Staffordshire NHS Trust Stoke On Trent City General Hospital	2012 - present
Dr Anthony Chisakuta (shared with Elizabeth McKinty)	Lead Clinician	The Royal Group of Hospitals & Dental Hospital HSS Trust Royal Belfast Hospital for Sick Children	2008 - present
Kathryn Claydon - Smith	Clinical Nurse Specialist	Central Manchester & Manchester Children's University Hospitals NHS Trust Royal Manchester Children's Hospital	2009 - present
David Cope	Clinical Nurse	Sheffield Children's NHS Foundation Trust Sheffield Children's Hospital	2012 - present
Dr Peter Davis (Chair)	Consultant in Paediatric Intensive Care	University Hospitals Bristol NHS Foundation Trust Royal Hospital for Children	2006 - present
Dr Andrew Durward (sharing with Dr Shane Tibby)	Consultant in Paediatric Intensive Care	Guy's & St Thomas' NHS Foundation Trust Evelina Children's Hospital	2002 - present
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 Tina McClelland	Audit Sister	Royal Liverpool Children's NHS Trust Alder Hey Hospital	2006 - present
Dr Jillian McFadzean (representing Scotland)	Consultant in Paediatric Intensive Care	NHS Lothian – University Hospitals Division Edinburgh Royal Hospital for Sick Children	2005 - present
Elizabeth McKinty (shared with Anthony Chisakuta)	Sister	The Royal Group of Hospitals and Dental Hospital HHS Trust Royal Belfast Hospital for Sick Children	2008 - present
Dr Cathy McMahon	Consultant in Paediatric Intensive Care	Our Lady's Children's Hospital, Crumlin, Dublin 12 & The Children's University Hospital, Dublin	2011 - present
Dr Roddy O'Donnell	Consultant in Paediatric Intensive Care	Cambridge University Hospitals NHS Foundation Trust Addenbrooke's Hospital	2002 - present
Dr Paula Lister	Consultant Paediatric Intensivist	Great Ormond Street Hospital for Children NHS Trust Great Ormond Street Hospital for Sick Children	2012 - present
Dr John Pappachan (shared with Peter Wilson)	Anaesthetics and Paediatric Intensive Care Medicine	Southampton Universities Hospital NHS Trust Southampton General Hospital	2012 - present

Dr Nazima Pathan	Consultant in Paediatric Intensive Care	Royal Brompton and Harefield NHS Trust Royal Brompton Hospital	2012 - present
Dr Adrian Plunkett	Consultant Paediatric Intensivist	Birmingham Children's Hospital NHS Trust Birmingham Children's Hospital	2012 - present
Dr Padmanabhan Ramnarayan	Consultant	Great Ormond Street Hospital NHS Trust Children's Acute Transport Service	2012 - present
Dr Kay Rushforth	Senior Sister	Leeds Teaching Hospitals NHS Trust Leeds General Infirmary	2012 - present
Dr Shane Tibby (Shared with Dr Andrew Durward)	Consultant in Paediatric Intensive care	Guys and St Thomas Foundation Trust Evelina Children's Hospital	2011 - present
Dr Allan Wardhaugh (representing Wales)	Consultant in Paediatric Intensive Care	Cardiff & Vale NHS Trust University Hospital of Wales	2004 - present
Dr Peter Wilson (shared with John Pappachan)	PICU Consultant	Southampton Universities Hospital NHS trust Southampton General Hospital	2011 - present

## C. STEERING GROUP MEMBERSHIP

Name	Position	Organisation	Representation	Period Served
Ms Sue Burkin	Lead Nurse	Sheffield Children's Hospital	PICS Nurse Managers Group	2013 - present
Dr Anthony Chisakuta	Lead Clinician	Belfast Health and Social Care 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
Dr Peter Davis	Consultant in Paediatric Intensive Care	University Hospitals Bristol NHS Foundation Trust Bristol Royal Hospital for Children	Chair of PICANet CAG	2011 - present
Julia Grace	National Commissioner	NHS England	National Commissioner for PIC CRG	2013 - present
Ms Helen Laing	Contracts and Commissioning Manager	Healthcare Quality and Improvement Partnership (HQIP)	Healthcare Quality and Improvement Partnership (HQIP)	2004 - present
Dr Michael Marsh	Consultant in Paediatric Intensive Care	Southampton University Hospitals NHS Trust Southampton General Hospital PICU	Royal College of Paediatrics and Child Health	2002 - present
Dr Jillian McFadzean	Consultant in Anaesthesia & Intensive Care / PA	NHS Lothian – University Hospitals Division Edinburgh Royal Hospital for Sick Children	Edinburgh Royal Hospital for Sick Children	2005 - present
Dr Kevin Morris	Consultant in Paediatric Intensive Care	Birmingham Children's Hospital NHS Trust Birmingham Children's Hospital PICU	Chair of Paediatric Intensive Care Society	2006 - present
Professor John Newton (Chair)	Regional Director of Public Health	South Central Strategic Health Authority	Public Health England	2009 - present
Dr Mark Peters	Clinical Unit Chair	Great Ormond Street Hospital for Children Great Ormond Street Hospital, London	Chair of Paediatric Intensive Care Society Study Group	2008 - present
Ms Laura Reekie	Data Manager	NHS Lothian – University Hospitals Division Edinburgh Royal Hospital for Sick Children	Database Representative	2005 - present
Lucy Lloyd Scott	Casemix Programme Manager	Intensive Care National Audit & Research Centre (ICNARC)	Intensive Care National Audit & Research Centre (ICNARC)	2002 - present
Dr Mark Terris	Consultant Anaesthetist	Belfast Health and Social Care Trust Royal Belfast Hospital for Sick Children	Northern Ireland	2008 - present
Ms Dominique Gray Williams	Audit Co-ordinator	Welsh Health Specialised Services Committee	Welsh Health Specialised Services Committee	2003 - present
Ms Lucy Wheeler	Parent	N/A	Parent representation	2011 - present
Dr Peter Wilson	Clinical Director for Child Health	Southampton General Hospital	PICS Secretary	2011 - present

## D. FAMILIES GROUP MEMBERSHIP

Name	Position	Organisation	Period Served
Dr John Alexander	Consultant in Paediatric Intensive Care	University Hospital of North Staffordshire	2010 - present
Fiona Bickell	Retrieval Nurse Practitioner	South Thames Retrieval Service	2010 - present
Sarah Bundy	Family Liaison Sister	Birmingham Children's Hospital	2010 - present
Dr Gillian Colville	Clinical Psychologist	St Georges Hospital	2009 - present
Helene Craddock	Senior Staff Nurse	Bristol Royal Hospital for Children	2011 - present
Angela Danjelo	Lay Representative	N/A	2013 - present
Clare Dorrian	Staff Nurse	John Radcliffe Hospital, Oxford	2013 - present
Professor Elizabeth Draper	Principle Investigator	PICANet	2009 - present
Debra Ehala	Sister	Great North Children's Hospital	2009 - present
Kate Foden	Sister	University Hospital of North Staffordshire	2013 - present
Phillip Hudnott	Audit Nurse	Manchester Children's Hospital	2011 - present
Dr Hilary Klonin	Consultant in Paediatric Intensive Care	Hull Royal Infirmary	2009 - present
Caroline Lamming	Research Nurse	PICANet	2009 - present
Anna Leather/Sally Bolsover	Critical Care Audit Nurse/Sister	Sheffield Children's Hospital	2011 - present
Caroline Lovett	Research Assistant	PICANet	2013 - present
Shelley Marsh	Lay Representative	N/A	2011 - present
Tina McClelland	Audit Sister	Alder Hey Children's Hospital	2009 - present
Petra Schroff	Family Liaison Nurse	Great Ormond Street Hospital for Children	2011 - present
Adam Tansey	Lay Representative	N/A	2011 - present



## E. DATA COLLECTION FORM

**PICANet // Paediatric Intensive Care Audit Network // Data Collection Form Admission**

## Patient details (or hospital label)

<p><b>Family name</b></p> <div style="border: 1px solid black; height: 30px; width: 100%;"></div> <p><b>First name</b></p> <div style="border: 1px solid black; height: 30px; width: 100%;"></div> <p><b>Address</b></p> <div style="border: 1px solid black; height: 60px; width: 100%;"></div> <p><b>Postcode</b></p> <div style="display: flex; gap: 10px;"> <div style="border: 1px solid black; width: 30px; height: 30px;"></div> <div style="border: 1px solid black; width: 30px; height: 30px;"></div> <div style="border: 1px solid black; width: 30px; height: 30px;"></div> <div style="border: 1px solid black; width: 30px; height: 30px;"></div> <div style="border: 1px solid black; width: 30px; height: 30px;"></div> <div style="border: 1px solid black; width: 30px; height: 30px;"></div> </div>	<p><b>NHS number (or CHI number)</b></p> <div style="display: flex; gap: 10px;"> <div style="border: 1px solid black; width: 30px; height: 30px;"></div> <div style="border: 1px solid black; width: 30px; height: 30px;"></div> <div style="border: 1px solid black; width: 30px; height: 30px;"></div> <div style="border: 1px solid black; width: 30px; height: 30px;"></div> <div style="border: 1px solid black; width: 30px; height: 30px;"></div> <div style="border: 1px solid black; width: 30px; height: 30px;"></div> </div> <div style="display: flex; align-items: center; margin-top: 5px;"> <input type="checkbox"/> Tick if patient is not eligible for NHS no.     </div> <p><b>Case note number</b></p> <div style="border: 1px solid black; width: 150px; height: 30px;"></div> <p><b>Date of birth (dd/mm/yyyy)</b></p> <div style="display: flex; align-items: center; gap: 10px;"> <div style="border: 1px solid black; width: 30px; height: 30px;"></div> <div style="border: 1px solid black; width: 30px; height: 30px;"></div> <div style="border: 1px solid black; width: 30px; height: 30px;"></div> <div style="border: 1px solid black; width: 30px; height: 30px;"></div> <div style="border: 1px solid black; width: 30px; height: 30px;"></div> <div style="border: 1px solid black; width: 30px; height: 30px;"></div> </div> <p><b>Indicate if date of birth is</b></p> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div><input type="checkbox"/> Estimated</div> <div><input type="checkbox"/> Anonymised</div> <div><input type="checkbox"/> Unknown</div> </div> <p><b>Sex</b></p> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div><input type="checkbox"/> Male</div> <div><input type="checkbox"/> Female</div> <div><input type="checkbox"/> Ambiguous</div> <div><input type="checkbox"/> Unknown</div> </div>
<p><b>Ethnic category (refer to categories on back page)</b></p> <div style="border: 1px solid black; height: 30px; width: 100%;"></div> <p><b>GP practice code</b></p> <div style="border: 1px solid black; width: 100px; height: 30px;"></div>	<p><b>Gestational age at delivery (if patient is under 2 years old)</b></p> <div style="display: flex; align-items: center; margin-top: 5px;"> <div style="border: 1px solid black; width: 30px; height: 30px;"></div> <div style="border: 1px solid black; width: 30px; height: 30px;"></div> <div style="margin: 0 10px;">weeks</div> </div> <p><b>Birth order</b>      <b>Multiplicity</b></p> <div style="display: flex; align-items: center; margin-top: 5px;"> <div style="border: 1px solid black; width: 30px; height: 30px;"></div> <div style="margin: 0 10px;">of</div> <div style="border: 1px solid black; width: 30px; height: 30px;"></div> </div>

### Admission details

<b>Date and time of admission to unit</b> <i>(dd/mm/yyyy)</i> <div> <div><input type="text"/></div> <div><input type="text"/></div> <div>/</div> <div><input type="text"/></div> <div><input type="text"/></div> <div>/</div> <div><input type="text"/></div> <div><input type="text"/></div> <div>20</div> <div><input type="text"/></div> <div><input type="text"/></div> <div>:</div> <div><input type="text"/></div> <div><input type="text"/></div> </div>										<b>Source of admission</b> <div> <input type="checkbox"/> Same hospital         <input type="checkbox"/> Clinic       </div> <div> <input type="checkbox"/> Other hospital         <input type="checkbox"/> Home       </div>									
<b>Admission number</b> <div> <input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/> </div>										<b>Care area admitted from</b> <i>(includes transfers in)</i> <div> <input type="checkbox"/> X-ray / endoscopy / CT scanner         <input type="checkbox"/> ICU / PICU / NICU       </div> <div> <input type="checkbox"/> Recovery only         <input type="checkbox"/> Ward       </div> <div> <input type="checkbox"/> HDU (step up/step down unit)         <input type="checkbox"/> Theatre and recovery       </div> <div> <input type="checkbox"/> Other intermediate care area         <input type="checkbox"/> A &amp; E       </div>									
<b>Type of admission to unit</b> <div> <input type="checkbox"/> Planned – following surgery         <input type="checkbox"/> Unplanned – following surgery         <input type="checkbox"/> Planned – other         <input type="checkbox"/> Unplanned – other       </div>										<b>Retrieval / transfer</b> <div> <input type="checkbox"/> Yes         <input type="checkbox"/> No       </div>									
<b>Previous ICU admission</b> <i>(during current hospital stay)</i> <div> <input type="checkbox"/> ICU         <input type="checkbox"/> PICU         <input type="checkbox"/> NICU         <input type="checkbox"/> None         <input type="checkbox"/> Unknown       </div>										<b>Retrieved / transferred by</b> <div> <input type="checkbox"/> Own team         <input type="checkbox"/> Specialist non-PIC team         <input type="checkbox"/> Other specialist PIC team         <input type="checkbox"/> Non-specialist team         <input type="checkbox"/> Unknown       </div>									
										<b>Transport team</b> <div> <input type="text"/> </div>									

## Diagnoses and procedures

Primary diagnosis for this admission:

---

Other reasons for this admission:

---

Operations and procedures performed during this admission:

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Co-morbidity:

## Daily interventions

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

Admission date:

		Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13
<b>Basic</b>	No defined critical care activity	Code 99														
	Continuous ECG monitoring	50														
	Continuous pulse oximetry	73														
<b>Airway and ventilatory</b>	Invasive ventilation via endotracheal tube	51														
	Invasive ventilation via tracheostomy tube	52														
	Non-invasive ventilatory support	53														
	Advanced ventilatory support (jet ventilation)	56														
	Advanced ventilatory support (oscillatory ventilation)	56														
	Nasopharyngeal airway	55														
	Tracheostomy cared for by nursing staff	13														
	Supplemental oxygen therapy (irrespective of ventilatory state)	09														
	Upper airway obstruction requiring nebulised adrenaline (epinephrine)	57														
	Apnoea requiring intervention (>3 in 24 hours or need for bag-mask ventilation)	58														
Acute severe asthma requiring IV bronchodilator therapy or continuous nebuliser	59															
<b>Cardio-vascular</b>	Arterial line monitoring	60														
	External pacing	61														
	Central venous pressure monitoring	62														
	Continuous infusion of inotrope, vasodilator or prostaglandin	06														
	Bolus IV fluids (>80 ml/kg/day) in addition to maintenance IV fluids	63														
	Cardio-pulmonary resuscitation	64														
	Extracorporeal membrane oxygenation (ECMO)	65														
	Ventricular assist device (VAD)	65														
	Aortic balloon pump	65														
<b>Renal</b>	Peritoneal dialysis	05														
	Haemofiltration	16														
	Haemodialysis	66														
	Plasma filtration	67														
	Plasma exchange	67														
<b>Neuro-logical</b>	ICP-intracranial pressure monitoring	68														
	Intraventricular catheter or external ventricular drain	69														
<b>Metabolic</b>	Diabetic ketoacidosis (DKA) requiring continuous infusion of insulin	70														
<b>Other</b>	Exchange transfusion	04														
	Intravenous thrombolysis	71														
	Extracorporeal liver support using molecular absorbent recirculating system (MARS)	72														
	Patient nursed in single occupancy cubicle (state reason for isolation below†)	†74														
<b>High cost drugs</b>	Medical gases Band 1 - nitric oxide	X841														
	Surfactant	X842														

†If patient nursed in single occupancy cubicle, state reason for isolation

## PIM2

PIM2 applies to observations recorded between the first face-to-face contact with ICU doctor **until one hour after admission**. Always use the first recorded measurement during this time period.

### Elective admission

☐ Tick if this is an elective admission

### Main reason for PICU admission

- ☐ Asthma
- ☐ Bronchiolitis
- ☐ Croup
- ☐ Obstructive sleep apnoea
- ☐ Recovery from surgery
- ☐ Diabetic ketoacidosis
- ☐ Other (none of the above)

### Is evidence available to assess past medical history?

☐ Yes ☐ No

#### If yes, tick all that apply

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

Day	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55		
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†74																																												
X841																																												
X842																																												

### Tracheostomy

Was a tracheostomy performed during this admission?

☐ Yes ☐ No

### PIM2 (continued)

Systolic blood pressure

mmHg

Blood gas measured

☐ Yes ☐ No

Arterial PaO<sub>2</sub>

kPa OR    mmHg

FiO<sub>2</sub>

Intubation

☐ Yes ☐ No

Headbox

☐ Yes ☐ No

At the time of arterial  
PaO<sub>2</sub> sample

Base excess (arterial/capillary)

mmol/l

Lactate (arterial/capillary/venous)

mmol/l

Mechanical ventilation

☐ Yes ☐ No

CPAP (include mask, nasal, and negative pressure ventilation)

☐ Yes ☐ No

Pupil reaction

☐ Both fixed and dilated

☐ Other reaction

☐ Unknown

**Clinical trial**

Is the patient on a clinical trial?

☐ Yes (specify name of trial)    ☐ No
**Growth measurements (if required by your unit)**

Height

   .  cm

Weight

   .   kg

Abdominal circumference

   .  cm
**Discharge information**

Status at discharge from your unit

☐ Alive    ☐ Dead

Discharged for palliative care

☐ Yes    ☐ No

Date and time of discharge (dd/mm/yyyy hh:mm)

  /   / 20   :  

Date and time of death (dd/mm/yyyy hh:mm)

  /   / 20   :  

Destination following discharge from your unit

<input type="checkbox"/> Normal residence	<input type="checkbox"/> Same hospital	→	<input type="checkbox"/> ICU
<input type="checkbox"/> Hospice	<input type="checkbox"/> Other hospital		<input type="checkbox"/> PICU
			<input type="checkbox"/> NICU
			<input type="checkbox"/> HDU
			<input type="checkbox"/> SCBU
			<input type="checkbox"/> Ward
			<input type="checkbox"/> Other

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

Status

☐ Alive    ☐ Dead    ☐ Unknown

Date of death (dd/mm/yyyy)

  /   / 20  

Location

<input type="checkbox"/> Normal residence	<input type="checkbox"/> Same hospital	→	<input type="checkbox"/> ICU
<input type="checkbox"/> Hospice	<input type="checkbox"/> Other hospital		<input type="checkbox"/> PICU
			<input type="checkbox"/> NICU
			<input type="checkbox"/> HDU
			<input type="checkbox"/> SCBU
			<input type="checkbox"/> Ward
			<input type="checkbox"/> Other

**Contact us · [picanet@leeds.ac.uk](mailto:picanet@leeds.ac.uk)**

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Statistician

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Field name

Field value

**Comments****Form completed by****Ethnic categories****White** – British, Irish, Any other White background\***Mixed** – White and Black Caribbean, White and Black African, White and Asian, Any other mixed background\***Asian or Asian British** – Indian, Pakistani, Bangladeshi, Any other Asian background\***Black or Black British** – Caribbean, African, Any other Black background\***Chinese****Any other ethnic group\*****Not stated** – if the patient had been asked and had declined**Unknown** – if the patient had not been asked

\*Specify ethnicity alongside category

## F. PARENT 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 – University Hospitals Division / NHS Greater Glasgow and Clyde – Women and Children's Division, Belfast Health and Social Care Trust and The Harley Street Clinic.

### **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 over 18,000 children are admitted to paediatric intensive care units in England, Wales, Scotland and Northern Ireland each year. 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 PICA Net you can:

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

## PICA Net contact information:

### ✉ **Caroline Lamming**

PICA Net Research Nurse  
PICA Net  
Department of Health Sciences  
University of Leicester  
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Leicester LE1 6TP

[crl4@leicester.ac.uk](mailto:crl4@leicester.ac.uk)  
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Centre for Epidemiology & Biostatistics  
The Leeds Institute of Genetics, Health  
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Leeds, LS2 9JT

☎ 0113 343 4856

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

**Website:** [www.picanet.org.uk](http://www.picanet.org.uk)



## 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 5.3 Oct 2012

## G. DATA VALIDATION FORM



### PICANet data validation audit



PICU name

Visited by

Date of visit

 /  / 20  

Variable

Visit value

Discrepancy

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

Continued over...

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



## H. DATA VALIDATION REPORT

*(This report was used throughout the reporting period of this publication but has been superseded by the web based system self validating reports)*

### 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.

<b>Admission number 200421</b>	<b>Casernote number 233X</b>	<b>Admitted on 12/02/2004</b>	<b>PICANet ID 450</b>
<b>Reason</b>	<b>Variable(s)</b>	<b>Value(s)</b>	<b>Comment</b>
Missing primary reason	Primary reason for admission	(No code) - (No description) [(No notes)]	Must have a primary reason for admission recorded
<b>Admission number 200462</b>	<b>Casernote number 433RX</b>	<b>Admitted on 15/04/2004</b>	<b>PICANet ID 552</b>
<b>Reason</b>	<b>Variable(s)</b>	<b>Value(s)</b>	<b>Comment</b>
Missing value	Intubation		
Missing value	Number of days intubated		
<b>Admission number 200479</b>	<b>Casernote number 756X</b>	<b>Admitted on 01/05/2004</b>	<b>PICANet ID 660</b>
<b>Reason</b>	<b>Variable(s)</b>	<b>Value(s)</b>	<b>Comment</b>
Incorrect concept domain	Primary reason for admission	X20UN - Nissen fundoplication [Nissen fundoplication]	Primary reason must be a disorder
Missing value	Follow-up status		
<b>Admission number 2004111</b>	<b>Casernote number 999X</b>	<b>Admitted on 16/12/2004</b>	<b>PICANet ID 1273</b>
<b>Reason</b>	<b>Variable(s)</b>	<b>Value(s)</b>	<b>Comment</b>
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)

## I. MONTHLY ADMISSION REPORT

Organisation	2010												YEAR / MONTH 2011												2012												Grand Total				
	1	2	3	4	5	6	7	8	9	10	11	12	Total	1	2	3	4	5	6	7	8	9	10	11	12	Total	1	2	3	4	5	6	7	8	9	10		11	12	Total	
A	45	48	51	40	47	54	52	41	52	56	48	46	580	45	56	61	57	45	40	43	47	57	56	60	48	615	66	46	48	55	44	50	53	63	47	48	58	60	638	1833	
B	48	26	43	32	40	33	42	31	36	54	49	50	484	18	13	14	14	12	7	14	8	14	10	3	20	147	14	12	13	16	9	12	25	7	24	26	28	17	203	834	
C	29	17	29	24	21	22	20	12	18	9	26	36	263	24	21	27	19	25	23	19	15	18	17	28	29	265	26	27	29	27	26	24	32	19	22	28	32	27	319	847	
D	61	50	57	56	55	60	60	45	63	53	82	80	722	75	76	77	54	49	62	52	39	54	53	74	72	737	65	71	78	71	63	56	68	52	61	68	71	53	777	2236	
E1	78	58	73	74	70	86	94	82	74	95	84	84	952	87	77	69	61	96	96	76	78	73	79	100	99	991	92	87	86	79	83	81	76	66	68	80	75	74	947	2890	
E2	59	60	58	65	63	80	68	59	70	59	68	66	775	67	65	59	58	65	70	79	75	72	69	49	66	794	65	66	65	71	79	64	73	77	66	76	67	63	832	2401	
F	106	92	93	97	100	93	96	100	86	82	122	133	1200	121	105	103	95	100	98	102	78	93	98	125	125	1243	118	104	107	96	132	103	100	87	92	122	128	98	1287	3730	
G	4	5	2	2	4	5	2	3	4	2	2	5	40		5	1	1	1	3	4	4	1	1		2	23	2	3	2	1	1			4	3	2	1	1	20	83	
H	43	40	67	51	55	46	51	45	56	56	45	49	604	51	47	55	32	54	38	48	41	56	47	50	69	588	49	46	65	48	53	51	64	48	39	56	73	69	661	1853	
I	64	63	60	70	74	63	61	47	60	67	74	69	772	82	70	85	69	71	63	54	49	65	70	67	88	833	81	73	88	68	77	60	71	73	64	72	76	73	876	2481	
J	11	17	16	10	10	6	7	1					78																											78	
K1K3	66	60	46	43	57	52	53	52	43	38	45	54	609	55	42	63	34	49	44	51	52	39	57	50	56	592	41	42	32	48	53	45	53	44	43	48	60	43	552	1753	
K2	25	26	41	35	30	35	28	31	25	28	34	24	362	30	27	24	26	25	35	23	25	35	45	27	33	355	23	35	34	34	28	27	22	21	25	24	33	22	328	1045	
L	32	38	37	25	18	23	23	20	23	24	37	37	337	33	36	31	26	27	19	21	25	23	23	33	32	329	25	35	29	24	36	17	23	19	19	32	32	30	321	987	
M	31	28	31	29	30	26	29	34	26	32	34	43	373	32	35	36	24	26	34	32	14	35	22	30	36	356	44	42	52	30	44	30	35	33	35	27	47	40	459	1188	
N	22	23	24	25	24	17	21	19	15	14	21	24	249	25	19	19	22	20	15	17	11	23	24	20	25	240	25	15	24	20	17	56	67	58	76	62	67	65	552	1041	
O	57	51	70	74	76	54	57	76	64	60	55	49	743	54	51	49	41	46	62	49	69	68	62	65	58	674	55	46	49	39	56	61	62	66	47	68	62	50	661	2078	
P	98	82	100	100	88	95	100	84	93	106	108	116	1170	89	92	99	85	86	94	93	79	83	96	93	113	1102	117	105	115	70	102	85	116	94	90	99	87	96	1176	3448	
Q	48	29	50	39	37	32	44	42	36	36	69	63	525	43	40	53	53	46	54	38	49	74	69	46	69	634	49	38	43	36	45	40	43	27	31	45	56	60	513	1672	
R	73	65	81	81	80	87	78	70	76	74	76	88	929	76	72	82	80	74	88	88	85	86	73	86	92	982	82	73	64	87	90	62	80	80	66	75	79	71	909	2820	
S	21	12	19	12	18	18	9	12	15	21	25	29	211	29	17	30	26	19	21	22	14	24	19	16	19	256	27	22	17	9	12	10	9	7	10	14	15	17	169	636	
T	46	45	54	46	31	26	39	32	27	50	47	50	493	52	42	50	39	48	40	36	30	45	46	32	41	501	32	55	57	41	44	46	48	40	28	46	49	43	529	1523	
U	39	31	32	17	20	24	25	21	23	32	32	37	333	24	20	31	30	21	20	24	16	29	30	22	26	293	18	28	26	27	30	28	32	29	26	32	32	33	341	967	
V	114	92	115	105	98	102	115	106	112	96	103	121	1279	111	96	104	91	115	105	115	112	104	99	108	115	1275	127	106	100	105	98	115	124	136	139	139	123	128	1440	3994	
W	57	62	58	62	53	57	54	45	55	57	46	68	674	74	58	52	58	56	54	51	51	52	63	58	59	686	68	64	66	51	59	53	57	36	52	53	57	66	682	2042	
X	60	61	64	52	78	68	53	50	70	61	56	61	734	54	58	60	47	48	50	61	62	79	60	79	74	732	69	73	86	71	80	70	74	64	81	67	77	75	887	2353	
Y	40	41	41	41	40	41	42	32	36	37	40	43	474	48	43	46	35	32	55	39	40	33	32	35	36	474	30	41	50	34	36	47	55	42	40	45	39	35	494	1442	
Z	25	31	38	21	34	34	33	34	46	44	56	39	435	40	32	36	32	30	42	31	33	41	36	33	35	421	26	27	26	31	30	26	34	33	32	19	40	29	353	1209	
ZA	89	55	76	86	61	93	76	69	83	82	79	94	943	87	73	79	67	69	84	67	88	75	60	79	77	905	88	85	93	66	90	72	71	84	78	77	86	81	971	2819	
ZB	39	36	47	29	37	34	34	37	33	40	38	46	450	35	40	49	33	31	35	24	37	38	40	45	38	445	51	36	40	44	41	29	34	24	41	40	39	32	451	1346	
ZC	85	78	90	94	64	84	86	86	87	84	85	71	994	82	82	86	72	77	76	83	81	93	98	105	85	1020	88	86	99	84	89	101	102	89	84	90	96	88	1096	3110	
ZD	50	37	34	44	33	43	33	32	45	41	45	52	489	50	48	62	46	37	39	38	33	31	37	48	51	520	51	50	42	35	39	37	42	35	40	48	50	43	512	1521	
ZE										19	41	38	21	119	26	38	28	28	43	56	48	38	34	38	50	29	456	22	25	33	29	54	41	50	34	41	39	35	39	442	1017
Total	1665	1459	1697	1581	1546	1593	1585	1450	1571	1631	1769	1848	19395	1719	1596	1720	1455	1543	1622	1542	1478	1647	1629	1716	1817	19484	1736	1664	1758	1547	1740	1599	1795	1591	1610	1767	1870	1721	20398	59277	

## J. DATA STATUS REPORT

\* This is an example report only

Organisation	First Event	Last Event	First Edit	Last Edit	Events	Events With No Errors	Missing Values	Warnings	Errors	Total Errors
A	01/01/2010	29/12/2012	19/01/2012	03/05/2013	1833	1832	4	0	0	4
B	01/01/2010	31/12/2012	01/11/2011	03/05/2013	834	834	0	0	0	0
C	02/01/2010	30/12/2012	13/12/2011	31/05/2013	847	847	0	0	0	0
D	02/01/2010	31/12/2012	10/10/2011	25/03/2013	2236	2233	9	0	0	9
E1	01/01/2010	31/12/2012	05/04/2013	05/04/2013	2890	2890	0	0	0	0
E2	01/01/2010	31/12/2012	05/04/2013	05/04/2013	2401	2401	0	0	0	0
F	01/01/2010	31/12/2012	21/02/2012	02/05/2013	3730	3112	571	81	0	652
G	02/01/2010	27/12/2012	01/11/2011	21/03/2013	83	83	0	0	0	0
H	02/01/2010	31/12/2012	16/01/2012	15/05/2013	1853	1851	5	0	0	5
I	01/01/2010	31/12/2012	05/10/2011	07/05/2013	2481	2480	1	0	0	1
J	04/01/2010	05/08/2010	10/05/2012	10/05/2012	78	46	73	6	0	79
K1	01/01/2010	31/10/2010	21/05/2012	23/05/2013	216	153	67	6	0	73
K2	01/01/2010	31/12/2012	11/02/2013	07/05/2013	1045	1045	0	0	0	0
K3	01/01/2010	31/12/2012	21/06/2011	23/05/2013	1542	1542	0	0	0	0
L	01/01/2010	31/12/2012	17/10/2011	04/06/2013	987	977	10	0	0	10
M	01/01/2010	31/12/2012	01/11/2011	09/05/2013	1189	1188	11	0	0	11
N	01/01/2010	30/12/2012	26/09/2012	28/03/2013	1041	1041	0	0	0	0
O	01/01/2010	31/12/2012	20/02/2012	16/05/2013	2078	2075	6	0	0	6
P	01/01/2010	31/12/2012	10/04/2013	10/04/2013	3448	3448	0	0	0	0
Q1	07/01/2010	30/12/2011	20/04/2012	20/04/2012	192	77	542	75	4	621
Q2	01/01/2010	31/12/2012	06/10/2011	02/04/2013	1480	1480	0	0	0	0
R	01/01/2010	31/12/2012	09/12/2011	10/05/2013	2820	2820	0	0	0	0
S	01/01/2010	22/12/2012	10/10/2011	05/06/2013	636	635	4	0	0	4
T	01/01/2010	29/12/2012	06/10/2011	07/06/2013	1523	1426	101	0	0	101
U	01/01/2010	31/12/2012	19/01/2012	23/05/2013	967	967	0	0	0	0
V	01/01/2010	31/12/2012	22/03/2012	06/06/2013	3994	3958	29	7	0	36
W	01/01/2010	31/12/2012	15/08/2012	28/03/2013	2042	2042	0	0	0	0
X1	01/01/2010	31/12/2012	20/10/2011	05/06/2013	1167	1103	64	0	0	64
X2	01/01/2010	30/12/2012	25/10/2011	07/06/2013	1190	1187	20	1	0	21
Y	01/01/2010	31/12/2012	06/09/2012	21/05/2013	1442	1442	0	0	0	0
Z	01/01/2010	31/12/2012	23/01/2012	24/05/2013	1209	1209	0	0	0	0
ZA	01/01/2010	31/12/2012	17/01/2012	03/05/2013	2819	2819	0	0	0	0
ZB	01/01/2010	31/12/2012	18/11/2011	08/05/2013	1346	1344	18	0	0	18
ZC	01/01/2010	31/12/2012	07/05/2013	07/05/2013	3110	3110	0	0	0	0
ZD	01/01/2010	31/12/2012	07/05/2013	07/05/2013	1521	1521	0	0	0	0
ZE	03/09/2010	30/12/2012	01/12/2011	27/03/2013	1017	1017	0	0	0	0
Total					37463	36516	1404	168	4	1576

## K. PUBLICATIONS, ABSTRACTS & PRESENTATIONS

### PUBLICATIONS

Journal	Title	Authors
Pediatrics (2004) <b>113</b> 1653-1657	Trends in the incidence of severe retinopathy of prematurity in a geographically defined population over a 10-year period	Hameed B, Shyamanur K, Kotecha S, Manktelow B, Woodruff G, Draper ES & Field D
Archives of Disease in Childhood (2005) <b>90</b> 380-387	Neuropsychological and educational problems at school age associated with neonatal encephalopathy	Marlow N, Rose AS, Rands CE & Draper ES
Archives of Disease in Childhood (2005) <b>90</b> 1182-1187	Epidemiology of traumatic brain injury in children receiving intensive care in the UK	Parslow RC, Morris KP, Tasker RC, Forsyth RJ & Hawley C
British Medical Journal (2005) <b>330</b> 43 (1 January)	Paediatric cardiac surgical mortality after Bristol: details of risk adjustment tools were not given (letter)	Parry GJ, Draper ES & McKinney P
British Medical Journal (2005) <b>330</b> 877-879 (16 April)	A feasibility study of signed consent for the collection of patient identifiable information for a national paediatric clinical audit database	McKinney PA, Jones S, Parslow R, Davey N, Darowski M, Chaudhry B, Stack C, Parry G, Draper ES for the PICANet Consent Study Group
European Journal of Obstetrics, Gynecology & Reproductive Biology (2005) <b>118</b> 272-274	Presentation of the European project models of organising access to intensive care for very preterm births in Europe (MOSAIC) using European diversity to explore models for the care of the very preterm babies.	Zeitlin J, Papiernik E, Breart G, Draper E & Kollee L
Prenatal Diagnosis (2005) <b>25</b> 286-291	Population based study of the outcome following the antenatal diagnosis of cystic hygroma	Howart ES, Draper ES, Budd JLS, Konje J, Kurinczuk JJ & Clarke M
Emergency Medical Journal (2006) <b>23</b> 519-522	Emergency access to neurosurgery in the United Kingdom	Tasker RC, Morris KP, Forsyth RJ, Hawley CA, Parslow RC, on behalf of the UK Paediatric Brain Injury Study
Intensive Care Medicine (2006) <b>32</b> (9) 1458	Organ donation in paediatric traumatic brain injury	Morris KP, Tasker RC, Parslow RC, Forsyth RJ, Hawley CA
Intensive Care Medicine (2006) <b>32</b> (10) 1606-1612	Monitoring and management of intracranial pressure complicating severe traumatic brain injury in children	Morris KP, Forsyth RJ, Parslow RC, Tasker RC, Hawley CA on behalf of the UK Paediatric Traumatic Brain Injury Study Group and the Paediatric Intensive Care Society Study Group
Pediatrics (2006) <b>117</b> 733-742	Assessment and optimisation of mortality prediction tools for admissions to paediatric intensive care in the United Kingdom	Brady AR, Harrison D, Black S, Jones S, Rowan K, Pearson G, Ratcliffe J, Parry GJ; UK PICOS Study Group
Archives of Disease in Childhood Fetal & Neonatal Ed (2007) <b>92</b> 356-360.	Mortality patterns of very preterm babies: a comparative analysis of two European regions in France and England	Draper ES, Zeitlin J, Field DJ, Manktelow BN, Truffert P.
Paediatric Intensive Care Medicine, (2008) <b>9</b> (1) 8-14	Prediction of raised intracranial pressure complicating severe traumatic brain injury in children: implications for trial design	Forsyth RJ, Parslow RC, Tasker RC, Hawley CA, Morris KP. On behalf of the UK Paediatric Traumatic Brain Injury Study Group and the Paediatric Intensive Care Society Study Group
British Medical Journal (2008) <b>336</b> 7655	Survival of extremely preterm babies in a geographically defined population: prospective cohort study of 1994-9 compared to 2000-5.	Field DJ, Dorling JS, Manktelow B, Draper ES
American Journal of Epidemiology, (2008) <b>167</b> 485-491.	Recreational drug use: a major risk factor for gastroschisis?	Draper ES, Rankin J, Tonks A, Abrams K, Field DJ, Clarke M, Kurinczuk JJ
Archives of Disease in Childhood (2009) <b>94</b> 210 - 215	Epidemiology of Critical Ill Children in England and Wales: incidence, mortality, deprivation and ethnicity	Parslow RC, Tasker RC, Draper ES, Parry GJ, Jones S, Chater T, Thiru K, McKinney P, on behalf of PICANet
British Medical Journal (2009) <b>338</b> b1749	Institutional Performance (letter)	McShane P, Draper ES, McKinney P, Parslow R

Pediatric Critical Care Medicine 27 Feb 2009.	Hyperglycemia and insulin therapy in the critically ill child.	Nayak P, Lang H, Parslow RC, Davies P, Morris KP, on behalf of UK Paediatric Intensive Care Society Study Group.
Diabet. Med, 2010; 27, 705–708	Paediatric intensive care admissions for acute diabetic complications.	Burns MR, Bodansky HJ, Parslow RC
Acta Paediatr, 2010 99(8):1186-119.1	Deprivation, ethnicity and prematurity in infant respiratory failure in PICU in the UK.	O'Donnell DR, Parslow RC, Draper ES
Palliative Med (September 2010) 6 608-615	Palliative care discharge from paediatric intensive care units in Great Britain.	Fraser LK, Fleming T, Miller M, Draper ES, McKinney PA, Parslow RC
Archives of Disease in Childhood [2010] doi:10.1136/adc.2009.178269	Place of Death and Palliative Care following discharge from Paediatric Intensive Care Units.	Fraser LK, Miller M, Draper ES, McKinney PA, Parslow RC
Multiple Sclerosis [ Sep 27 <sup>th</sup> 2010] Doi:10.1177/1352458510382554	Inflammatory Demyelination Working Group and the Paediatric Intensive Care Audit Network. Severe Acute Disseminated Encephalomyelitis: A Paediatric Intensive Care population based study	M Absoud, R C Parslow, E Wassmer, C Hemingway, H P Duncan, C Cummins, M J Lim On behalf of The UK & Ireland Childhood CNS Inflammatory Demyelination Working Group and PICANet
Lancet 376(9742):698-704.	Effect of specialist retrieval teams on outcomes in children admitted to paediatric intensive care units in England and Wales: a retrospective cohort study.	Ramnarayan P, Thiru K, Parslow RC, Harrison DA, Draper ES, Rowan KM.
Br J Neurosurg [2011] Feb 25(1):68-77.	Severe Head Injury in Children: intensive care unit activity and mortality in England and Wales.	Tasker RC, Fleming TJ, Young AER, Morris KP, Parslow RC.
Anaesthesia 2012 doi:10.1111/j.1365-2044.2012.07159.x	Anaphylaxis admissions to UK critical care units between 2005-2009	B Gibbison D Harrison P McShane C Haddow A Sheikh J Soar
Archives of Disease in Childhood 2011;96:Suppl 1 A90	Tracheostomy in children admitted to Paediatric Intensive Care	Dora Wood, Philip McShane, Peter Davis
Intensive Care Medicine, online 1 <sup>st</sup> , 9 <sup>th</sup> May 2012	International comparison of the performance of the paediatric index of mortality (PIM) 2 score in two national data sets.	Stéphane Leteurtre, Bruno Grandbastien, Francis Leclerc, Roger Parslow and Groupe Francophone de Réanimation et Urgences Pédiatriques, <i>et al.</i>
Intensive Care Med 38(12):2042-2046 Dec 2012	The relationship between blood lactate concentration, the Paediatric Index of Mortality 2 (PIM2) and mortality in paediatric intensive care.	Morris KP, McShane P, Stickley J, Parslow RC
The Journal of Pediatrics [April 2013] (in press DOI: 10.1016/j.jpeds.2013.03.061)	Effects of Out-of-Hours and Winter Admissions and Number of Patients per Unit on Mortality in Pediatric Intensive Care	Phil McShane, Elizabeth S. Draper, Patrician A. McKinney, Jillian McFadzean, Roger C. Parslow on behalf of PICANet
Pediatric Critical Care Medicine [2013] DOI: 10.1097/PCC.0b013e31829760cf	Paediatric Index of Mortality 3: An Updated Model for Predicting Mortality in Pediatric Intensive Care	Lahn Straney, Archie Clements, Roger C. Parslow, Gale Pearson, Frank Shann, Jan Alexander, Anthony Slater, for the ANZICS Paediatric Study Group and PICANet

## 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	Design of randomized controlled trials of the	Forsyth RJ, Morris K, Parslow RC,

Neurology (2005) <b>47</b> (Suppl 101) 4	management of raised intracranial pressure in paediatric traumatic brain injury	Hawley C & Tasker RC
5 <sup>th</sup> World Congress on Pediatric Critical Care, 24-28 June 2007, Geneva, Switzerland (oral presentation)	Infants admitted to paediatric intensive care with acute respiratory failure in England and Wales	Parslow RC, McKinney PA, Draper ES, O'Donnell R
5 <sup>th</sup> World Congress on Pediatric Critical Care, 24-28 June 2007, Geneva, Switzerland (poster presentation)	Collecting national data for clinical audit: The Paediatric Intensive Care Audit Network in Great Britain	Parslow RC, McKinney PA, Draper ES, Thiru K
5 <sup>th</sup> World Congress on Pediatric Critical Care, 24-28 June 2007, Geneva, Switzerland (poster presentation)	Admission to PICU with severe bronchiolitis and acute respiratory failure after preterm birth is associated with a longer duration of stay and a higher incidence of apnoeas but not mortality	O'Donnell DR, Parslow RC, McKinney PA, Draper ES
5 <sup>th</sup> World Congress on Pediatric Critical Care, 24-28 June 2007, Geneva, Switzerland (poster presentation)	Severe bronchiolitis is associated with the annual UK winter increase in PICU admissions and prolonged stay compared with other diagnoses	O'Donnell DR, Parslow RC, McKinney PA, Draper ES
5 <sup>th</sup> World Congress on Pediatric Critical Care, 24-28 June 2007, Geneva, Switzerland (poster presentation)	Hyperglycaemia and insulin therapy in UK paediatric intensive care units	Nayak P, Morris KP, Parslow RC
5 <sup>th</sup> World Congress on Pediatric Critical Care, 24-28 June 2007, Geneva, Switzerland (oral presentation)	The effect of missing data on PIM-predicted SMR	Emsden S, Baines P, McClelland T, Parslow RC
5 <sup>th</sup> World Congress on Pediatric Critical Care, 24-28 June 2007, Geneva, Switzerland (poster presentation)	Clinical information system utilisation in paediatric intensive care: A UK perspective	Ramnarayan P, Thiru K, Rowe S on behalf of pan Thames Health Informatics Group
The 15th Annual Public Health Forum, Edinburgh International Conference Centre, 28-29 March 2007, Edinburgh (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 (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. 20 <sup>th</sup> 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.
6th World Congress on Paediatric Critical Care, 13 <sup>th</sup> -17 <sup>th</sup> March 2011 (oral presentation)	Paediatric Index of Mortality (PIM) score performance is improved by inclusion of admission blood lactate concentration.	P McShane, R C Parslow, J Stickley, K P Morris
6th World Congress on Paediatric Critical Care, 13 <sup>th</sup> -17 <sup>th</sup> March 2011 (oral presentation)	Increased mortality for long-stay patients on PICU: PIM2 is not predictive	D. Wood, P. McShane, P. Davis
6th World Congress on Paediatric Critical Care, 13 <sup>th</sup> -17 <sup>th</sup> March 2011 (poster presentation)	Tracheostomy On The Paediatric Intensive Care Unit.	D. Wood; P. McShane; P. Davis
6th World Congress on Paediatric Critical Care, 13 <sup>th</sup> -17 <sup>th</sup> March 2011	Implications Of Data Quality And Interface Problems Between Audit Management	A.Deep , P McShane R.C Parslow



(poster presentation)	Systems On Mortality Outcome Of PICU	
6th World Congress on Paediatric Critical Care, 13 <sup>th</sup> -17 <sup>th</sup> March 2011 (oral presentation)	Cardiac Arrest Requiring Intensive Care Admission: A United Kingdom Epidemiology Study.	B. Scholefield; H. Duncan; P. McShane; R. Parslow; R. Tasker; F. Gao; K. Morris
6th World Congress on Paediatric Critical Care, 13 <sup>th</sup> -17 <sup>th</sup> March 2011 (mini oral presentation)	Use Of A National PICU Database To Inform The Design Of A Post-Cardiac Arrest Intervention Study - The Cold-Pack Study (Post Arrest Cooling In Kids).	B. Scholefield; H. Duncan; P. McShane; R. Parslow; R. Tasker; F. Gao; K. Morris
22 <sup>nd</sup> ESPNIC Medical and Nursing Annual Congress, 2 <sup>nd</sup> – 5 <sup>th</sup> Nov 2011 Hannover. (oral presentation)	Hospital admissions and mortality of children admitted to paediatric intensive care in the UK - a linkage study	P. Mc Shane, R.C. Parslow, P.A. Mc Kinney, E.S. Draper
22 <sup>nd</sup> ESPNIC Medical and Nursing Annual Congress, 2 <sup>nd</sup> – 5 <sup>th</sup> Nov 2011 Hannover. (oral presentation)	Lactate predicts mortality in a multicentre population in paediatric intensive care	P. McShane, S. Leteurtre, R.C. Parslow, F. Leclerc, E.S. Draper
22 <sup>nd</sup> ESPNIC Medical and Nursing Annual Congress, 2 <sup>nd</sup> – 5 <sup>th</sup> Nov 2011 Hannover. (oral presentation)	H1N1 influenza in paediatric intensive care in the UK and Ireland	R.C. Parslow, P. McShane, P. Lister, P.A. Mc Kinney, E.S. Draper
92 <sup>nd</sup> British Association Dermatologists meeting, 3 <sup>rd</sup> – 5 <sup>th</sup> July 2012 (poster presentation)	Children with dermatological conditions admitted to paediatric intensive care: analysis of national clinical audit database	S George, D Harrison, P McShane, Kamal Patel, C Darley

## 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 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. University of Leicester	14/03/2007	The UK Paediatric Traumatic Brain Injury Study	Roger Parslow
Pan Thames Commissioners PbR Roadmap	ASIA House	14/06/2007	PICANet and the PCCMDS	Roger Parslow
Exploiting Existing Data for Health Research	University of St Andrews	19/09/2007	Privacy preserving record linkage	Tom Fleming
PICANet AGM	Leeds University Business School	04/07/2007	Presentation of the National Report	PICANet Team
PICANet Annual Meeting	Bristol Children's Hospital	06/11/2008	Revision and recalibration of PIM2 for great Britain	Roger Parslow
PICS Annual meeting	Holland House Cardiff	20/11/2008	The PICANet Report	Roger Parslow
PICS Annual Meeting	Holland House, Cardiff	20/11/2008	Clinical Information systems in UK PIC: Opportunities and challenges on behalf of the UK PIC Health Informatics Group (poster)	Krish Thiru
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
PICANet AGM	Perinatal Institute, Birmingham	14/10/2010	Presentation on National Report	Roger Parslow/ Liz Draper
PICANet AGM	Thackray Medical Museum, Leeds	11/10/2011	Presentation on National Report	Roger Parslow/ Liz Draper
PICANet AGM	John Foster Hall, University of Leicester	18/10/2012	Presentation on National Report	Roger Parslow/ Liz Draper
24 <sup>th</sup> ESPNIC Annual Meeting	Rotterdam, Netherlands	12-15/06/2013	Presentation on 'Epidemiology of paediatric and neonatal intensive care'	Liz Draper



# L. STAFFING STUDY DATA COLLECTION FORMS

**WEEK COMMENCING –  
19<sup>th</sup> November 2012**



## PICU Staffing Study 2012

*A study of occupancy & nursing and medical staffing provision*

### Nursing Establishment and Staffing Information

- 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. <i>Exclude supernumerary student nurses, receptionists, clerks, housekeepers</i>	2. No. of persons currently in post	3. Combined W.T.E. of persons currently in post	4. No. of specialist nurses with paediatric intensive care qualification	5. No. of registered children's nurses <i>RSCN or degree or diploma recognised by NMC in children's branch of nursing</i>	6. No. with Valid Paediatric Resuscitation Training	7. No. with Valid Advanced Paediatric Resuscitation Training
Band 2 - 4							
Band 5							
Band 6							
Band 7							
8 Modern Matron							
8 Nurse Consultant							
9 Nurse Consultant higher level							
Other please specify details- <i>i.e. Agency / Bank (state Band)</i>							
1.							
2.							
3.							

Does your unit have the following persons in post: (please tick appropriate box)					No. in post	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 30/11/2012
1. Family Care Sister?	NO		YES			
2. Discharge co-ordinator?						
3. Practice Educator?	NO		YES			



## ***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 included in the establishment 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 nurses in training **but only if not supernumerary.**
2. **The overall total number of (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 (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 Resuscitation training or equivalent**
7. **The number of nurses currently in post with valid Advanced Paediatric Resuscitation training or equivalent**

**If you have any additional queries please contact:** *Caroline Lamming tel: 0116 252 5414 or email: [crl4@leicester.ac.uk](mailto: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 30<sup>th</sup> NOVEMBER 2012, 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 2012***

*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. No. with valid APLS/EPLS training
Foundation Year 1 -2				
ST1-3 Paediatrics				
ST4-8 Paediatrics				
ST1-3 Anaesthesia				
ST4-8 Anaesthesia				
Consultant Paediatric Intensivists				
Consultant Paediatricians				
Consultant Anaesthetists				
Other Consultants working on PICU				

Any other medical staff included in establishment on PICU <i>Insert grade</i>				
1. <i>Grade:</i>				
2. <i>Grade:</i>				
3. <i>Grade</i>				

Site ID _____	
Hospital	_____
Unit	_____
Form completed by	_____
<i>(print name)</i>	
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 **30/11/2012**



## *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 half time will 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, European Paediatric Life Support or equivalent.

If you have any additional queries please contact: *Caroline Lamming tel: 0116 252 5414 or email: [crl4@leicester.ac.uk](mailto: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 30<sup>TH</sup> NOVEMBER 2012**, to:-

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



## Occupancy/ Nursing & Medical Log A

- Please complete at 12 noon on Wednesday 21/11/2012
- 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 - 4			Foundation Years 1-2		
Band 5			ST1-3 equivalent		
Band 6			ST4-8 equivalent		
Band 7			Cons. Paediatric Intensivists		
Band 8 Modern Matron			Consultant Paediatricians		
Band 8 Nurse Consultant			Consultant Anaesthetists		
Band 9 Nurse Consultant higher level			Other medical staff Consultants working on PICU, specify specialty/ grade below:-		
Other please specify details:- i.e. Agency / Bank incl. band					
1.					
2.					
3.					
Number of Nursing staff			Number of Medical		

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	
ICU designated							
HDU designated							
Total number of children in the unit			No. Level IV	No. Level III	No. Level II	No. Level I	

<b>PLEASE COMPLETE:-</b> Hospital _____ Unit _____ Form completed by: _____ <small>(print name)</small> Contact tel. no: _____ Email address: _____	Site ID _____  Please return in <b>FREEPOST</b> envelope to:- Caroline Lamming, PICA Net Research Nurse, University of Leicester, Dept. of Health Sciences, FREEPOST LE3296, 22- 28 Princess Road West, Leicester LE1 7ZE. by 30/11/2012
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PICANet Staffing Study 2012/Daily Log A v 1.2 17/10/2012



## Occupancy/ Nursing & Medical Log B

- Please complete at 12 midnight on Weds 21/11/2012
- 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 - 4			Foundation Years 1-2		
Band 5			ST1-3 equivalent		
Band 6			ST4-8 equivalent		
Band 7			Cons. Paediatric Intensivists		
Band 8 Modern Matron			Consultant Paediatricians		
Band 8 Nurse Consultant			Consultant Anaesthetists		
Band 9 Nurse Consultant higher level			Other medical staff/ Consultants working on PICU, specify specialty/ grade below:-		
Other please specify details:- i.e. Agency / Bank incl. band					
1.				1.	
2.				2.	
3.				3.	
Number of Nursing staff off sick			Number of Medical staff off sick		

Additional Information to be collected at 12 midnight	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	
ICU designated							
HDU designated							
Total number of children in the unit			No. Level IV	No. Level III	No. Level II	No. Level I	

<b>PLEASE COMPLETE:-</b> Hospital _____ Unit _____ Form completed by: _____ <small>(print name)</small> Contact tel. no: _____ Email address: _____	Site ID _____  Please return in <b>FREEPOST</b> envelope to:- Caroline Lamming, PICA Net Research Nurse, University of Leicester, Dept. of Health Sciences, FREEPOST LE3296, 22- 28 Princess Road West, Leicester, LE1 7ZE. by 30/11/2012
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PICANet Staffing Study 2012/Daily Log B v 1.2 17/10/2012



## Occupancy/ Nursing & Medical Log C

- Please complete at 12 noon on Sunday 25/11/2012
- 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 - 4			Foundation Years 1-2		
Band 5			ST1-3 equivalent		
Band 6			ST4-8 equivalent		
Band 7			Consr. Paediatric Intensivists		
Band 8 Modern Matron			Consultant Paediatricians		
Band 8 Nurse Consultant			Consultant Anaesthetists		
Band 9 Nurse Consultant higher level			Other medical staff/ Consultants working on PICU, specify specialty/ grade below:-		
Other please specify details:- i.e. Agency / Bank incl. band					
1.					
2.					
3.					
Number of Nursing staff off sick			Number of Medical staff off sick		

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	
ICU designated							
HDU designated							
Total number of children in the unit			No. Level IV	No. Level III	No. Level II	No. Level I	

<b>PLEASE COMPLETE:-</b> Hospital _____ Unit _____ Form completed by: _____ <small>(print name)</small> Contact tel. no: _____ Email address: _____	Site ID _____  Please return in <b>FREEPOST</b> envelope to:- Caroline Lamming, PICA Net Research Nurse, University of Leicester, Dept. of Health Sciences, FREEPOST LE3296, 22- 28 Princess Road West, Leicester, LE1 7ZE. by 30/11/2012
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PICANet Staffing Study 2012/Daily Log C v 1.2 17/10/2012



## Occupancy/ Nursing & Medical Log D

- Please complete at 12 midnight on Sunday 25/11/2012
- 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 - 4			Foundation Years 1-2		
Band 5			ST1-3 equivalent		
Band 6			ST4-8 equivalent		
Band 7			Cons. Paediatric Intensivists		
Band 8 Modern Matron			Consultant Paediatricians		
Band 8 Nurse Consultant			Consultant Anaesthetists		
Band 9 Nurse Consultant higher level			Other medical staff/ Consultants working on PICU, specify specialty/ grade below:-		
Other please specify details:- i.e. Agency / Bank incl. band					
1.					
2.					
3.					
Number of Nursing staff off sick			Number of Medical staff off sick		

Additional Information to be collected at 12 midnight	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	
ICU designated							
HDU designated							
Total number of children in the unit			No. Level IV	No. Level III	No. Level II	No. Level I	

<b>PLEASE COMPLETE:-</b> Hospital _____ Unit _____ Form completed by: _____ <small>(print name)</small> Contact tel. no: _____ Email address: _____	Site ID _____  Please return in <b>FREEPOST</b> envelope to:- Caroline Lamming, PICA Net Research Nurse, University of Leicester, Dept. of Health Sciences, FREEPOST LE3296, 22- 28 Princess Road West, Leicester, LE1 7ZE. By 30/11/2012
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PICANet Staffing Study 2012/Daily Log D v 1.2 17/10/2012





## *PICU Staffing Study*

*November 2012*

### *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. **INCLUDE** nurse in charge and runner **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 nationally 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.

##### **SICKNESS**

Count the number of staff who were rostered for duty but off sick at 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 Standard Appendix 1, levels of care and dependency)

If you have any additional queries please contact: Caroline Lamming tel: 0116 252 5414 or email: [crl4@leicester.ac.uk](mailto:crl4@leicester.ac.uk)

Using the FREEPOST envelope supplied, please return the completed forms by **FRIDAY 30TH NOVEMBER, 2012**, to:-  
Caroline Lamming PICA Net Research Nurse, University of Leicester,  
Dept. of Health Sciences, FREEPOST LE3296, 22-28 Princess Road West,  
Leicester LE1 7ZE



## ***PICU Staffing Study 2012***

*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](mailto:crl4@leicester.ac.uk)

1. Type of Staff	2. Please tick if your unit has dedicated time	3. Total number of sessions per week i.e. half day = 1 session	4. Please tick if attends the daily clinical round
Paediatric Pharmacist			
Paediatric Physiotherapist			
Paediatric Dietician			
Play Specialists			
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 services
Interfaith support			
Social Workers			
Interpreters			
Bereavement Support			
Patient Advice and Advocacy Service			
Psychological Support for Families			
Psychological Support for Staff			

Site ID \_\_\_\_\_ Hospital \_\_\_\_\_

Unit \_\_\_\_\_

Form completed by: \_\_\_\_\_

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 **30/11/2012**

**WEEK COMMENCING –  
19<sup>th</sup> November 2012**



## PICU Staffing Study 2012

A study of occupancy, nursing and medical staffing provision

### Advanced Practice Practitioner Establishment Information

PLEASE COMPLETE:- Site ID \_\_\_\_\_

Hospital \_\_\_\_\_

Unit \_\_\_\_\_

Form completed by: \_\_\_\_\_

(print name)

- Please see instructions overleaf
- Please complete every column, insert zero if no staff at this grade
- If your unit DOES NOT employ Advanced Practitioners

please tick this box ☐ and return the form

Additional information:- (Please tick appropriate box) Please return in FREEPOST envelope supplied to:-

Bands of Advance Practitioners	1. A.P establishment W.T.E.	2. No. of persons currently in post	3. Combined W.T.E. of persons currently in post	4.. Number educated to Masters level	5. Number currently in training	6. Proportion of W.T.E. attributed to nursing and /or medical rota		7. Is/are person(s) included on Nursing (N) or Medical (M) establishment? Please insert N or M or both	8. No. with Valid Advanced Paediatric Resuscitation Training or equivalent
						Nursing	Medical		
Band 8									
Band 7									
Band 6									
Other									

Do you include the W.T.E. for the Advanced Practitioners in your calculation for the number of qualified nurses per funded bed? (please tick box)	YES		NO		
	Any additional comments:				





## ***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*.

- If your unit **DOES NOT** employ Advanced Practice Practitioners please tick the box on the form and return.

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 Advanced Practice Practitioners (AP) who are not recorded on the nursing or medical establishment form**

1. The current combined, whole time equivalent, funded establishment of persons working at this grade to give clinical care. Include AP who are qualified and those in training but only if not supernumerary.
2. The overall total number of 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. an AP only working part time may only be 0.5 WTE.
4. The number of APs who have attained a Masters degree.
5. The number of APs currently in training.
6. Proportion of w.t.e.s attributed to the nursing or medical rota.
7. Identifies whether APs are included in the nursing or medical establishment, insert N(nursing) or M(medical) or both if applicable.
8. The number of APs currently in post with valid Advanced Paediatric Life Support, European Paediatric Life Support or equivalent.

If you have any additional queries please contact: *Caroline Lamming tel: 0116 252 5414 or email: [crl4@leicester.ac.uk](mailto: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 30<sup>th</sup> NOVEMBER 2012**, to:-

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

## M. DATA REQUESTS SINCE LAST ANNUAL REPORT

More detailed information can be requested from [picanet@leeds.ac.uk](mailto:picanet@leeds.ac.uk)

Request date	Name	Position & Place of Work	Data requested	Date Provided	Data Provided by	What has been/will be done with the data?
19/06/13	Siva Oruganti	PICU, Birmingham Children's Hospital	<b>EPIDERMOLYSIS BULLOSA</b> Patients with Epidermolysis bullosa (EB) admitted to PICU in UK in the last 5 years; Type of EB; Age; Gender, Reason for admission, Admissions by year, Expected and observed mortality, Cause of death & associated anomalies, Mechanical ventilation (MV) Yes/No; RELATION OF MV TO MORTALITY, Duration of ventilation, Length of Stay	02/07/13	Phil McShane	Presentation in regional meets and possible publication
19/06/13	Jessica Bate	Clinical Research Fellow St George's, University of London	<b>VARICELLA</b> Children admitted to PICU with a diagnosis of varicella from 1/1/08 to 1/1/13 Details to include age, gender, co-morbidity (whether underlying malignancy), ventilation, inotropes, length of stay, complications and outcome	02/07/13	Phil McShane	Publish in peer-reviewed journal and inform two further studies
18/06/13	Anne Brown on behalf of Mr Hall	PICU, RBHSC	<b>TRACHEITIS</b> No of patients admitted to PICU in Northern Ireland with epiglottitis/supraglottitis, croup/laryngotracheobronchitis or tracheitis from 2009 to present, to include diagnosis, length and dates of admission, age, sex, bacteriology results (if available) or hospital/NHS number, whether intubated (if known) and whether tracheostomy carried out..	24/06/13	Phil McShane	Presentation at regional ENT audit meeting
07/06/13	John Pappachan	Consultant University Hospitals Southampton NHS Trust	<b>LENGTH OF STAY/BRONCHIOLITIS</b> LOS for children with primary diagnosis of bronchiolitis admitted to UHS between: 1) Nov 2002 and March 2004 2) Oct 2008 and April 2011	10/06/13	Phil McShane	Add to phenotypic data in paper
04/06/13	Wendy McCabe	Data Co-ordinator. University Hospitals of Leicester	<b>VENTILATION DAYS</b> Number of bed days per PICU per month and number of days ventilation per PICU per month. All patients admitted to each unit in Leicester	06/06/13	Phil McShane	CQUIN Data
24/05/13	Ian Dawkins	Data Manager, OLCCH and CUH	<b>PIM2r</b> list of PICANetIDs and PIM2r scores with variables used to calculate the scores for all OLCCH patients and same again for CUH	29/05/13	Lee Norman	Internal validation
29/05/13	Amina Farhana Abdulla	Research Nurse/Junior Sister Paediatric Critical Care, Imperial College	<b>CATCH TRIAL</b> Patient event ID numbers. CATCH trail data	11/07/13	Phil McShane	CATCH trial
24/05/13	Dr Patricia Fenton	Consultant Microbiologist, Sheffield Children's	<b>BRONCHIOLITIS</b> Names, hospital numbers (or NHS numbers), DOB and date of admission and discharge of all admissions with "bronchiolitis" "RSV" "bronchiolitis like illness"	03/07/13	Phil McShane	Service Evaluation Report SCH, feed back to PICU and Medical Audit Groups, Masters

		Hospital	"apnoea" "viral bronchiolitis" who were admitted to SCH PICU between 05.11.12 and 14.02.13 AND between 05.11.11 and 14.02.12 AND between 05.11.10 and 14.02.11			Dissertation (ALL ANONYMISED) and possible publication.
16/05/13	David Inwald	Consultant, London St Mary's	<b>FULL DATA EXTRACT</b> All PICANET dataset for St Mary's including diagnoses, co morbidities and calculated PIM2 scores from 01/03/2009	31/05/13	Phil McShane	Looking at diagnoses, interventions, outcomes for peer reviewed publication.
15/05/13	James Woods	Information Manager, Royal Brompton Hospital	<b>EXPECTED DEATHS</b> Number of patients expected to die on our PICU (as per PICANET risk adjustment methodology) in financial year 12/13	15/05/13	Phil McShane	Internal quality checking
09/05/13	Mrs Catherine Rounding	Co-ordinator, Congenital Anomaly Register for Oxfordshire, Berkshire and Buckinghamshire (CAROBB)	<b>CONGENITAL ANOMOLIES</b> PICANet data to supplement information on the Congenital Anomaly Register for Oxfordshire, Berkshire and Buckinghamshire. Every child with a date of birth after January 1st 2005, admitted to any unit from 2005 onwards, coded with a congenital anomaly.	01/07/13	Phil McShane	Validate, update and correct data already notified to the Register.
30/04/13	Ms Mome Mukherjee	Senior Data Analyst, University of Edinburgh Medical School	<b>ASTHMA</b> PICANet data for each nation's NHS-ICU use and for overall UK in children with and without asthma. 2002 data onwards if possible.	26/06/13	Phil McShane	Study to find the cost of illness of asthma in UK, funded by Asthma UK
24/04/13	Philip Hudnott	Research and Audit Nurse Coordinator, Royal Manchester Children's Hospital	<b>FULL DATA EXTRACT</b> All records for RMCH prior to 31/12/2012	01/05/13	Lee Norman	For historical data import into MediCUs Paediatric system
22/04/13	Dr Chris Green	Clinical Research Fellow , Oxford Vaccine Group, University Of Oxford	<b>BRONCHIOLITIS</b> PICU admission data for bronchiolitis (all causes) by age, in months, Up to the age of two years.	09/15/13	Phil McShane	Publication in peer reviewed journal
22/04/13	Dr Tim Haywood	Lead Clinician PICU, Leeds General Infirmary	<b>EXPECTED DEATHS</b> Number of expected deaths for the Leeds PICU over the whole of 2012 Not the actual/observed number	25/04/13	Phil McShane	Quality dash board return
18/04/13	James Woods	Information Manager, Royal Brompton Hospital	<b>CATCH TRIAL</b> PICANet Ids for Catch Trial participants	18/04/13	Lee Norman	For CATCH Trial matching of patient data
18/04/13	Dr Tim Haywood (Elizabeth Holmes)	Lead Clinician PICU, Leeds General Infirmary	<b>ECMO</b> Number of patients in the last 3 years 2010-2012 broken down by month who had ECMO delivered in any PICU in the UK (including our own Leeds General Infirmary). We require Age (including Neonates <1 month old) and Diagnosis. All patients with a postcode within the Yorkshire & Humber Region.	18/04/13	Phil McShane	Look at service requirement and sustainability for the Region

15/04/13	Julia Miller	Clinical Audit Project Lead, Barts Health NHS Trust	<b>ADMISSIONS</b> The total number of patients submitted to PICANet from the PICU at the Royal London Hospital.	15/04/13	Phil McShane	For inclusion in the 2012-13 Quality Account.
15/04/13	Imdadur Rahman	Clinical Data analyst, Great Ormond Street Hospital	<b>PIM2r</b> Extract of all GOSH PICANet data with the PIM2r score	19/04/13	Lee Norman	Internal Audit
11/04/13	Dr Tim Haywood (Elizabeth Holmes)	Lead Clinician PICU, Leeds General Infirmary	<b>ECMO</b> Number of patients in the last 3 years 2010-2012 broken down by month who were admitted to an ECMO Centre (Glenfield Leicester, Great Ormond Street London, Freeman Newcastle or Alder Hey Liverpool). We also require where they were referred from, Postcode, Age (including Neonates <1 month old) and Diagnosis.	18/04/13	Phil McShane	Look at service requirement and sustainability for the Region
10/04/13	Julia Phillips	Bristol Royal Hospital for Children	<b>PIM2r</b> Number of patients expected to die on PICU (as per PICANET risk adjustment methodology) in 2012	10/04/13	Phil McShane	Submit for quality dashboard
09/04/13	John Alexander	Clinical Lead, PICU, City General Hospital, Stoke on Trent	<b>PCCMDS DATA</b> Xml export data of PCCMS for our unit for use in SUS submission	15/04/13	Lee Norman	SUS data submission
05/04/13	Rekha Patel	Research Nurse University Hospitals of Leicester NHS Trust	<b>CATCH TRIAL</b> PICANet Ids for Catch Trial participants	05/04/13	Phil McShane	For CATCH Trial matching of patient data
04/04/13	Alison Senior	Nursing sister, Alder hey children's hospital	<b>BACTERIAL SEPSIS</b> How many patients get admitted to PICU with a diagnosis of suspected bacterial sepsis / bacterial SIRS. I would also be interested to know the age groups of the patients with suspected sepsis. For example if there was ...% of neonates versus ....% children admitted to PICU with a suspected sepsis. Northwest PICU's in the last 2 years	02/05/13	Phil McShane	Present the data within Masters systematic review
04/04/13	Laura Reekie	Data Manager, Edinburgh Royal Hospital for Sick Children	<b>DISCHARGE DATA</b> Edinburgh Patients discharged 01 April 2012 – 31March 2013 inclusive. PICANETID, ADNO, NHSNO, CASENO, FAMILYNAME, FIRSTNAME, ADDRESS5, POSTCODE, DOB, SEX, ADDATE, ADTYPE, RETRIEVAL, UNITDISDATE, Status at Discharge, Primary Diagnosis, Other reasons, Operations / Procedures, Co morbidity	09/04/13	Lee Norman	The information is required for annual report required by commissioners.
04/04/13	Andrew Durward	Consultant, Evelina Children's Hospital London	<b>CATCH TRIAL</b> PICANET Event ID, Case Note number, admission number and date of admission for 2011,2012,2013 for Catch Trial participants	04/04/13	Lee Norman	For CATCH Trial matching of patient data only

03/04/13	Geoff Dines	Information Analyst Specialist Newcastle upon Tyne Hospitals	<b>PCCMDS DATA</b> PCCMDS from 01/01/2013 to date	08/04/13	Lee Norman	To submit to SUS within CDS data
03/04/13	Sam Norris	Audit Nurse Sheffield Children's Hospital	<b>MORTALITY AND PREDICTED MORTALITY</b> Mortality and Predicted mortality for children in PICU Jan-Mar 2013 Wanted for quality Dashboard	05/04/13	Phil McShane	Input into quality dashboard
27/03/13	Patrick Davies	PIC Consultant, Nottingham Children's Hospital	<b>ADMISSIONS</b> Data from Nottingham 2010-12 to support application for training centre	25/04/13	Phil McShane	Training centre application
27/03/13	Imdadur Rahman	Clinical Data analyst, Great Ormond Street Hospital	<b>PIM2r</b> Extract of all GOSH PICANet data with the PIM2r score	05/04/13	Phil McShane	Internal Audit
21/03/13	Peter Barry	Consultant paediatric intensivist, University Hospitals of Leicester	<b>ADMISSIONS – R-SPRT PLOTS</b> All admission and outcome PICANet data for all children admitted to PICU Glenfield Hospital between 1 January to 31 December 2012. Patient identifiable data is needed to allow me to cross reference this against other data we hold (CCAD and ECMO databases) to allow me to calculate R- SPRT plots for cardiac patients. Admission values for PIM also required. It would be helpful if individual ROM was given, based on PIM2r, but if this is not easy I can do it from the individual values.	25/03/13	Phil McShane	Internal presentation at Governance and Quality meeting
21/03/13	Jeff Perring and Sam Norris	Lead Intensivist Sheffield Children's Hospital	<b>ADMISSIONS</b> Patients admitted to Sheffield ICU 2007 -2012 aged 16 and above and 18 and above. Information needed Age, Diagnosis, Admission and Discharge date January 2007 – December 2012	21/03/13	Lee Norman	Internal audit
14/03/13	Sarah Knox	PICU Secretary, John Radcliffe Hospital	<b>UNPLANNED RE-ADMISSIONS</b> The number of unplanned readmissions into Oxford PICU within a specific timeframe. 01.01.2013 – 01.03.2013	14/03/13	Lee Norman	For an internal OUH Audit/Data Collection
08/03/13	Michael Walker	Information Analyst, Nottingham University Hospitals NHS Trust	<b>EMERGENCY ADMISSIONS</b> Total number of requests for emergency admission to the PICU from providers for patients in the defined catchment population (the 'defined catchment population' means patients for whom the Unit forms the expected pathway); and of those, the number who were refused admission. Total number of ventilated (via an endotracheal tube) bed days for patients in the PICU. If available, the total number of unplanned extubation events in patients. January to March 2013	04/04/13	Phil McShane	East Midlands Specialised Commissioners for their Quality Dashboards.

07/03/13	Geoff Dines	Information Analyst Specialist Newcastle upon Tyne Hospitals	<b>PCCMDS DATA</b> PCCMDS from 01/12/2012 to date	07/03/13	Lee Norman	To submit to SUS within CDS data
05/03/13	John Alexander	Clinical Lead, PICU, City General Hospital, Stoke on Trent	<b>PCCMDS DATA</b> Xml export data of PCCMS for our unit for use in SUS submission	07/03/13	Lee Norman	SUS data submission
05/03/13	Claire Magner	Clinical Audit and Research Nurse Our Lady's Children's Hospital, Crumlin.	<b>CVC UTILISATION</b> We would like to know what the overall PICANet CVC device utilisation as a ratio of bed days occupied is.	14/03/13	Phil McShane	Present it at our morbidity, mortality and improvement meeting.
05/03/13	Peter Davis	Consultant Paediatric Intensivist, Bristol Royal Hospital for Children	<b>ELECTIVE SURGERY</b> Number of children who were admitted to PICU following elective surgery, who underwent cardiopulmonary bypass, who did not receive mechanical ventilation in the first hour. Also need to know total numbers of children who were admitted following elective surgery who underwent cardiopulmonary bypass so that we can look at the percentages annually. Also need to know sex, age, primary diagnosis and operative procedure. 2004 - 2011 England & Wales	08/03/13	Phil McShane	Aim to submit an abstract to the Association of Paediatric Anaesthetists Annual Meeting 2013, and then complete a research paper.
25/02/13	John Alexander	Consultant in PICU, University Hospital of North Staffordshire	<b>PCCMDS DATA</b> Xml export data of PCCMDS for University Hospital of North Staffordshire PICU	25/02/13	Lee Norman	SUS data submission
15/02/13	Philip Hudnott	Research and Audit Nurse Coordinator, Royal Manchester Children's Hospital	<b>DISCHARGE DATA</b> List of patients who were discharged between the hours of 22:00 and 07:00hrs I need date of date and time of discharge and case note numbers for the patients 01/01/2011 to 31/12/2012 – Manchester only	15/02/13	Lee Norman	For internal reporting only
13/02/13	James Philip	Scientific Advisor – Paediatrics, AbbVie Ltd	<b>CONGENITAL HEART DISEASE</b> Aim is to identify which children (under 2 years of age) with congenital heart disease (CHD) are at highest risk of severe lower respiratory tract infection (LRTI; bronchiolitis). Children born with CHD have been demonstrated to be at higher risk of severe LRTI, however, in the UK there is little consistency in the recognition of which cardiac defects are most likely to be present in children hospitalised with bronchiolitis. From PICANET, we require data to identify which congenital heart defects are frequently seen/seen most often in children hospitalised with LRTI/bronchiolitis.			Aim to publish at scientific conference.
08/02/13	Daniel Green	Student – MSc Epidemiology and Biostatistics, University of Leeds	<b>PIM DATA</b> Various variables to evaluate PIM, Study effects of error in data, study seasonality in data and evaluation of risk adjustment models.	12/02/13	Phil McShane	Submit as MSc short project



08/02/13	Dr Bronagh Blackwood, Kevin Morris and Mark Peters	Queen's University Belfast, Birmingham Children's Hospital and Great Ormond Street	<b>VENTILATION</b> Numbers of admissions/unit; Numbers of ventilated children/unit. Average numbers of days ventilated/month (mean, SD, median & IQR) for units that provided consent to release this information. 2009-11, All UK & Ireland.	12/02/13	Phil McShane	Disseminate via PICS meetings, international conferences, publication.
06/02/13	Imdadur Rahman	Clinical Data analyst. Great Ormond St	<b>PIM2r DATA</b> Extract of all GOSH PICANet data with the PIM2r score. (2 <sup>nd</sup> request)	06/02/13	Lee Norman	Internal Audit
05/02/13	Philip Hudnott	Research Nurse Royal Manchester Children's Hospital	<b>PIM DATA</b> List of patients who have any PIM/PIM2 data fields recorded as unknown. I need date of admission and hospital numbers for the patients. 01/01/2011 to 31/12/2012 for RMCH only.	07/02/13	Phil McShane	Needed for internal audit into observation recordings
04/02/13	Scott O'Brien	Senior Charge Nurse St Mary's Hospital, London	<b>PRE-EXISTING CO-MORBIDITIES</b> For all patients admitted to St Mary's PICU from 01/01/2007 – 31/12/2012 - PIM 2 score, ICU LOS, Age, Weight, Gender, Principle Diagnosis, Pre existing Co morbidities, ICU admission source, Previous ICU admission, Retrieval/transfer, Type of admission: Planned/unplanned/Surgical/Other, Source of Admission, Discharge information: Alive/Dead, Date and Time of Discharge, Date and Time of Death, Destination following discharge	08/02/13	Phil McShane	Looking at the effect of pre-existing medical co-morbidities on PICU L.O.S for Local Discussion
04/02/13	Gillian Colville	Consultant Clinical Psychologist St George's Hospital	<b>SELF HARM</b> Rates of admissions for probable self-harm – this would need to include self-poisoning by drugs/alcohol; jumping/falling from high places and/or on to rail tracks/roads; hanging/self-strangulation etc - the last 10 years if possible	Ongoing	Phil McShane	Potential paper? Draw DoH attention to this issue?
29/01/13	Laura Reekie	Data Manager, Edinburgh Royal Hospital for Sick Children	<b>PCCMDS</b> PCCMDS for a four week period 28th December – 20th January. Patients who were inpatients in the PICU in Edinburgh. 2 <sup>nd</sup> Request following request dated 16/01/13	19/01/13	Lee Norman	Graph - For a presentation to NSD
24/01/13	Jacquie Kemp / Munieb Raban/Sandra Hurst	Assistant Director / Information Manager, North Eastern, London Specialised Commissioning Group	<b>BED DAYS</b> Occupied bed days by HRG group, date and PCT Most recent staffing establishment as submitted by Trusts. All activity for London PICU and HDU units. 01/01/12 – 31/12/12 (or latest available)	04/02/13	Phil McShane	To calculate the capacity requirements for London units
24/01/13	Peter Barry	Consultant Paediatric Intensivist, University Hospitals of Leicester	<b>ADMISSIONS</b> For 2009, 2010 and 2011 – Children from these PCTs (Bassetlaw, Derby City, Derbyshire, Leicester, Leicester County and Rutland, Lincolnshire, Northamptonshire, Nottingham, Nottinghamshire, Warwickshire, Coventry) No. of Children Admitted to PICU at UHL, No. of Children Admitted to PICU at NUH, No. of Children Admitted to PICU elsewhere, PICANet Diagnostics of Children, PIM2 scores of patients on admission to PICU	04/02/13	Phil McShane	To identify demand for retrieval and admission to PICU from the East Midlands and the east of the West Midlands to Inform future strategies for retrieval in the East Midlands

			Please break data down so it can be see where children from each PCT were admitted (UHL, NUH, Elsewhere), For UHL and NUH, please also which patients were retrieved and which were admitted from within the hospital, Please indicate how many of these children were ventilated and not ventilated.			
23/01/13	Patrick Davies	Consultant PICU Nottingham Children's Hospital	<b>ACUTE RESPIRATORY FAILURE</b> In all children admitted with a primary diagnosis of acute respiratory failure, aged under 16. Admission date, Age, Sex, LOS, Gestation at birth, Outcome, Ventilation status, SHA/PCT (for regional variation), IMD (deprivation score), Ethnicity (South Asian or not), Primary diagnosis (e.g.: bronchiolitis, asthma, etc), Co morbidities	06/02/13	Phil McShane	Publication and dissemination
23/01/13	Dr Hilary Klonin	Consultant in Paediatric Intensive Care - Hull	<b>CASE NOTE NUMBERS</b> Case note numbers 2004-2007 2 <sup>nd</sup> Request	25/01/13	Phil McShane	Internal Audit
22/01/13	Alison Kemp	Professor Child Health, Cardiff University	<b>ADMISSIONS</b> The numbers of children admitted to PICU September 1st 2009-February 28th 2010. If possible the dates and name, of the PICU that the child was admitted to. With the age and sex of the child and outcome and if they were a transfer from another unit.	Ongoing	Phil McShane	Validation of data collection
18/01/13	James Woods	Information manager, Royal Brompton Hospital	<b>PIM2r</b> Number of patients expected to die on PICU (as per PICANET risk adjustment methodology) 2012	18/01/13	Phil McShane	To submit to National dashboard
16/01/13	Laura Reekie	Data Manager, Edinburgh Royal Hospital for Sick Children	<b>PCCMDS</b> Graph of PCCMDS Activity for the time period April 2011 – March 2013 inclusive. Patients who were inpatients in the PICU in Edinburgh	22/01/13	Lee Norman	Graph - For a presentation to NSD
16/01/13	Claire Magner	Clinical Audit and Research Nurse, Our Lady's Children's Hospital, Crumlin.	<b>T21 &amp; DOWNS SYNDROME</b> The incidence of Trisomy 21 or Down's Syndrome in the population of patients admitted to UK PICU's in 2011 (Jan 1st to 31 <sup>st</sup> Dec).	23/01/13	Phil McShane	Reviewing population subgroups in our PICU, comparing incidence of T21 in our PICU admissions with the incidence in UK PICANet admissions.
16/01/13	Dr Judith Budd	Co-ordinator, East Midlands & South Yorkshire Congenital Anomalies Register	<b>CONGENITAL ANOMOLIES</b> Every child with a date of birth after January 1st 1997, admitted to any unit since 1st June 2011, coded with a congenital anomaly (as defined by an ICD-10 'Q' code and/or the word 'syndrome' in the text field).	20/02/13	Phil McShane	Validate, update and correct data already notified to the Register.
10/01/13	Imdadur Rahman	Clinical Data analyst Great Ormond St	<b>PIM2r</b> Extract of all our (GOSH) PICANet data with the PIM2r score	10/01/13	Lee Norman	Internal Audit
09/01/13	Geoff Dines	Information Analyst Specialist Newcastle upon Tyne Hospitals	<b>PCCMDS</b> PCCMDS from 01/11/2012 to date	10/01/13	Lee Norman	To submit to SUS within CDS data



08/01/13	Matt Gasson	CareVue Co-Coordinator Nurse, PICU, John Radcliffe hospital	<b>CQUINS</b> Number of data submission within three months of discharge from PICU (July-Sept).	28/01/13	Phil McShane / Lee Norman	QCUINS Commissioning Data
08/01/13	Dr Kate Haire	Medical Adviser, NHS Specialised Services London	<b>ECMO</b> An update to the information presented in the report, ECMO in Paediatric Intensive Care in England and Wales in the 2008-10 PICANet Annual Report. The key information required is the total number of children in 7 non-designated cardiac surgical centres supported by ECMO over 3 year time period. Number of children in the following non-designated cardiac surgical centres supported by ECMO broken down by centre over 3 year time period: Alder Hey Children's NHS Foundation Trust, Birmingham Children's Hospital NHS Foundation Trust, Evelina Children's Hospital, Guy's and St Thomas' NHS Foundation Trust, University Hospitals Bristol NHS Foundation Trust, University Hospital Southampton NHS Foundation Trust, Number of children with primary cardiac diagnoses supported on ECMO in 3 designated respiratory ECMO centres broken down by centre over 3 year time period. Number of children in designated respiratory ECMO centres supported by ECMO broken down by centre over 3 year time period.	09/01/13	Phil McShane	Data will be used to inform the National Paediatric ECMO Model of Care Workshops being organised by NSCT
03/01/13	Dr Joe Brierley	Consultant Intensivist, Great Ormond St	<b>GUNSHOT &amp; STABBING TRAUMA</b> Number of admissions nationally over last 10 years to PICU with an admission diagnosis of trauma due to gunshot wound or stabbing. PIM score & Outcome of these cases. Days of admission.	09/01/13	Phil McShane	Comparative data with other countries in view of recent US gun issue.
02/01/13	Dr Mark Peters	Reader in Paediatric and Neonatal Intensive Care Institute of Child Health University College London	<b>WHOOPIING COUGH &amp; PERTUSSIS</b> Admission date, age, sex, diagnosis, interventions including invasive ventilation, length of stay PIM/PIM2, and outcome. From England and Wales PICANET dataset 2004-12. A33y. Whooping cough - other specified organism A33yz Other whooping cough NOS A33z. Whooping cough NOS Ayu39 [X]Whooping cough due to other Bordetella species Ayu3A [X]Whooping cough, unspecified F0078 Meningitis due to pertussis H243. Pertussis pneumonia XE0Qw Pertussis	22/01/13	Phil McShane	Publication of updated case series from out 2010 Paediatric paper.
05/12/12	Peter Davis	Consultant Paediatric Intensivist Bristol Royal Hospital for Children	<b>ADMISSIONS</b> Total number of admissions per year by unit and/or region/country, with key demographic data (age, ventilation status during admission, diagnostic group). Total number of individual children admitted by year, unit, region/country and diagnostic group. Jan 1st 2004 - 31st Dec 2011	11/12/12	Phil McShane	To identify possible reasons for the increasing number of PICU admissions in England and Wales with time

03/12/12	Mel Miller	Programme Manager National Services Division NHS National Services Scotland	<b>ADMISSIONS</b> All children treated at Scottish Paediatric Intensive Care units April 2007 – March 2012 Data requirement: Unique record identifier (numeric, PICU centre code (Edinburgh/Glasgow), Occupancy (numeric), Dependency (numeric), Admission month (numeric), Admission year (numeric), Age at admission (numeric), Type of admission (text as per PICANet), Diagnosis group at admission (text as per PICANet categorisation), Sex (text), Health board of residence (text), Length of stay in days (numeric), Bed census (no of occupied beds, numeric)	21/12/12	Phil McShane	To determine the extent to which paediatric bed capacity should be increased to meet the future demand for paediatric intensive care in Scotland
29/11/12	Mildred Iro	Clinical Research Fellow Oxford vaccine group Churchill Hospital	<b>ENCEPHALITIC ILLNESSES</b> Information on children between the ages of 6 weeks and 17 years who were admitted to the Paediatric Intensive care unit in the past 3 years with an encephalitic illness. We will require information on their age, sex, past medical history, PIM score on admission, need for and duration of ventilation, treatment received (antibiotic, antiviral, antiepileptic, steroid, inotrope, immunoglobulin treatment and/or plasmapheresis), results of investigations (mainly CSF), and outcomes (length of stay on PICU and /or mortality)	03/01/13	Phil McShane	The PICANET audit results will be used to provide data to inform a sample size for a clinical trial to evaluate IVIG in encephalopathy
29/11/12	Anne Brown on behalf of Mr. Hall	PICU, RBHSC	<b>HEAD INJURY</b> No of patients admitted to PICU, RBHSC with head injury from 2009 to Sept 2012, to include diagnosis, length of stay and outcome.	21/12/12	Phil McShane	Audit
20/11/12	Dr Adamu Sambo	PICU SPR, Glenfield Hospital	<b>CRRT</b> List of patients admitted into Glenfield Hospital and who went on to require CRRT. January 2011 to January 2012. Details include patient demographics, indication for CRRT and 7 day CVVH daily record where applicable.	30/11/12	Phil McShane	To check daily phosphate supplementation on these patients.
19/11/12	Amy Harvey on behalf of Dr Mark Bebbington	PICU consultant, University Hospital of North Staffordshire	<b>CFAM</b> How many times they used CFAM on PICA net (Cerebral Function monitoring) in last 12 months with names and hospital number.	29/11/12	Phil McShane	Internal Audit
18/11/12	Jessica Bate	Clinical Research Fellow, St George's, University of London	<b>VOCAL CORD PARALYSIS</b> Details of all admissions to all UK PICU centres from 2002 to present with vocal cord paralysis/recurrent laryngeal nerve palsy Information to include age, presenting clinical features, length of PICU stay, outcome, underlying diagnosis, results of laryngoscopy, whether tracheostomy required. If underlying malignancy, further details regarding treatment regimen	27/11/12	Phil McShane	Publish in peer-reviewed journal to improve understanding of this rare complication.
13/11/12	Hilary Klonin	Consultant in Paediatric Intensive Care, Hull Royal Infirmary	<b>AGGRAVATED SMR</b> Aggravated SMR from 2004 -2007	22/11/12	Phil McShane	Internal Audit

13/11/12	Peter Broughton	Senior Information Design Consultant, The NHS Information Centre	<b>HRGs</b> All PICANet records in a comma-delimited text file for Investigation into the distribution of Paediatric Critical Care HRGs within PICANet contributor organizations.	21/11/12	Roger Parslow	To identify patterns in the distribution of Paediatric Critical Care HRGs.
08/11/12	Claire Magner	Clinical Audit and Research Nurse, Our Lady's Children's Hospital.	<b>VENTILATION</b> What is the duration of ventilation (mean, median and mode) for patients in units sending data to PICANet	09/11/12	Phil McShane	Benchmarking exercise
02/11/12	Phil Wilson	Lead Nurse, KIDS Intensive Care & Decision Support, Birmingham Children' Hospital NHS Foundation Trust	<b>PIM2</b> For 2010 and 2011 (broken onto separate spreadsheet pages please)The PIM2 scores of retrieved children to a UK PICU from the following PCTs Please breakdown results down per PCT also please: Birmingham East and North, Coventry Teaching, Coventry and Warwickshire, Dudley, Heart of Birmingham Hereford, Sandwell & West Birmingham, Shropshire, Solihull, South Birmingham, South Staffordshire, North Staffordshire, Stoke On Trent, Telford & Wrekin, Walsall Teaching, Warwickshire, Wolverhampton, Worcestershire	02/11/12	Phil McShane	Presentation in Options Appraisal paper to Cluster meeting in Dec 2012
29/10/12	Catherine Penrose	PICU Consultant, Leeds general Infirmary	<b>BRONCHIOLITIS</b> Children admitted to the PICU with a diagnosis of RSV bronchiolitis. Variables requested -Date of admission; age, sex, gestation, length of stay , days of ventilation, pim and outcome and SHA to identify the origin	21/11/12	Phil McShane	To present to the Yorkshire regional paediatric society meeting and internally
27/10/12	Daniel Potter	PhD Student , University of Leeds	<b>CARDIAC</b> Data concerning all children in England and Wales admitted to a PICU due to an adverse <u>cardiac</u> event between the years dating 2004-2011	12/11/12	Phil McShane	To complete a university research project with the aim of publishing
24/10/12	Hilary Klonin	Consultant in Paediatric Intensive Care - Hull	<b>CASE NOTE NUMBERS</b> Case note numbers based on Event ID's provided	24/10/12	Lee Norman	Internal Audit
24/10/12	Rachel Agbeko	Consultant PICU, GNCH Newcastle	<b>LEUKAEMIA</b> Admissions to PICU with a diagnosis of Leukaemia, ALL, AML, Acute lymphoblastic Leukaemia, Acute Myeloid Leukaemia alone and combined with sepsis. Length of stay, mortality, PIM2r, invasive ventilation days,non-invasive ventilation days, inotrope days, renal support days, ECMO days, number of admissions/centre, age, sex, source of admission, area of admission.	20/11/12	Phil McShane	To inform a prospective study on critically ill children with leukaemia who present with sepsis
19/10/12	Peter Barry	Consultant Paediatric Intensivist, University Hospitals of Leicester	<b>ECMO</b> Numbers of children receiving ECMO by centre, with mortality and SMR	18/12/12	Phil McShane	Respond to S & S

19/10/12	Nick Kirk	Service Manager University Hospitals of Leicester	<b>ADMISSIONS</b> Number of Children admitted from 8 PCTs,2008-11	24/10/12	Phil McShane	Service Planning for Leicester facilities
11/10/12	Bradley Manktelow	Senior Research Fellow University of Leicester	<b>PIM DATA</b> PIM variables for 2009-11 all data.	17/10/12	Phil McShane	Study case mix issues
10/10/12	Helen Hardy	Specialist practitioner PICU CMFT	<b>DEATHS</b> Event IDs for children dying in Manchester PICU,2009-11	10/10/12	Phil McShane	Audit of futile admissions
08/10/12	Kate Brown	Consultant Paediatric Intensivist	<b>CARDIAC SURGERY</b> Linkage to permit follow up of children having cardiac surgery	21/12/12	Phil McShane	Disseminate results in scientific meetings and journals
26/09/12	Phil Wilson	Lead Nurse, KIDS Birmingham Children's. Hospital	<b>REFERRAL AND ADMISSION</b> To identify East Midland demand for referral and admission to PICU	23/10/12	Phil McShane	Present at internal meeting
14/09/12	Claire Magner	Audit Nurse OLCHC	<b>DiGEORGE SYNDROME</b> Details of children with 22q11 deletion (DiGeorge) syndrome in UK and Ireland	22/10/12	Phil McShane	Present at the British Congenital Heart Society ASM
11/09/12	Geoff Dines	Information Analyst Specialist	<b>PCCMDS DATA</b> All PCCMDS activity processed through PICANet from 01 August 2012 to and inclusive 31 August 2012.	13/09/12	Lee Norman	Support Hospital in making mandated submission of activity to SUS
03/09/12	Yoane Lopes	Business Intelligence Manager	<b>PCCMDS DATA</b> All PCCMDS activity processed through PICANet from 01 January 2012 to and inclusive 31 August 2012.	13/09/12	Lee Norman	Support Hospital in making mandated submission of activity to SUS
13/09/12	Chris Byrne	PICU Administrator	<b>PCCMDS DATA</b> All PCCMDS activity processed through PICANet in August 2012	13/09/12	Lee Norman	Support Hospital in making mandated submission of activity to SUS
10/09/12	Dr Joanne Thomas	Senior Technology Manager, Central Manchester Uni Hospitals NHS Foundation Trust	<b>VENTILATION</b> Data on ventilation, esp. osc ventilation	19/09/12	Phil McShane	Feasibility study for development of portable HFOV device.

27/08/12	Emer Aldridge	CLINICAL Nurse Manager 2 Temple St	<b>SURGICAL NEONATES</b> Local report to know the numbers of surgical neonates in the country, a breakdown of diagnoses and an assessment of the level of care required that could be deduced from the length of stay, birth weight and gestation.	06/09/12	Phil McShane	Local unit report
21/08/12	Andy Petros	Consultant Intensivist GOSH	<b>CO LEVELS</b> CO levels in Trisomy 21	21/08/12 (not possible)	Phil McShane	Publish if interest
21/08/12	Mark Anderson	Consultant Paediatrician NPIS GNCH	<b>POISONING</b> Details of children admitted with poisoning	02/10/12	Phil McShane	Internal Report
14/08/12	Ben Gibbison	Research Fellow University of Bristol	<b>ASTHMA</b> Children admitted to PICU with asthma in England and Wales before 2012	17/08/12	Phil McShane	Publication in peer review journal
02/08/12	Geoff Dines	Information Analyst Specialist	<b>PCCMDS DATA</b> All PCCMDS activity processed through PICANet from 01 January 2012 to and inclusive 31 July 2012.	02/08/12	Lee Norman	Support Hospital in making mandated submission of activity to SUS
02/08/12	Yoane Lopes	Business Intelligence Manager	<b>PCCMDS DATA</b> All PCCMDS activity processed through PICANet from 01 January 2012 to and inclusive 31 July 2012.	02/08/12	Lee Norman	Support Hospital in making mandated submission of activity to SUS
31/07/12	Chris Byrne	PICU Administrator	<b>PCCMDS DATA</b> All PCCMDS activity processed through PICANet in July 2012	02/08/12	Lee Norman	Support Hospital in making mandated submission of activity to SUS
31/07/12	Chris Byrne	PICU Administrator	<b>PCCMDS DATA</b> All PCCMDS activity processed through PICANet in June 2012	31/07/12	Lee Norman	Support Hospital in making mandated submission of activity to SUS
20/07/12	Rebecca Sapsed	Information Officer Essex Shared Services Agency	<b>EAST OF ENGLAND</b> East of England patients data wanted to validate local data	23/07/12	Phil McShane	SCG and PCT circulation
04/07/12	Anne Brown	Secretary, Royal Belfast Hospital for Sick Children	<b>NEURO</b> No of neuro patients admitted to PICU, RBHSC from 2009 to 2011, to include diagnosis, length of stay and outcome.	03/08/12	Phil McShane	Internal Meeting

20/07/12	Saurabh Gupta	Locum Consultant in Communicable disease control Health Protection Agency, Colindale,	<b>PERTUSSIS</b> For cases identified as pertussis related/ whooping cough/ bordetella	25/07/12	Phil McShane	Inform the options regarding pertussis vaccination to control the current national pertussis outbreak.
17/07/12	Peter Barry	Consultant Paediatric Intensivist, University Hospitals of Leicester,	<b>ECMO</b> How many children received ECMO therapy each year, split by those cared for in University Hospitals of Leicester and those cared for elsewhere; and these split into those with a primary cardiac diagnosis and all other diagnoses. For each group, number who received ECMO; crude mortality and SMR	17/07/12	Phil McShane	Respond to questions raised by the so called 'safe and sustainable' review team
06/07/12	Harish Vyas	Professor of Paediatric Intensive Care, University of Nottingham Hospitals	<b>DOWNS SYNDROME AND VENTILATION</b> To investigate the relationship between ventilation and mortality/morbidity on PICU for children with Down's Syndrome (Trisomy 21). More specifically the following questions will be asked with regards this population. <ul style="list-style-type: none"> <li>• Have the rates of PICU admission changed over time?</li> <li>• Has the primary diagnosis for children with Down's syndrome being admitted onto PICU changed over time? (Cardiac vs. non-Cardiac)</li> <li>• How have the co morbidities of children with Down's syndrome admitted on PICU changed over time?</li> <li>• Has the duration of ventilation changed for these children whilst on PICU?</li> <li>• Has the mortality/morbidity associated with a PICU admission changed for these children over time?</li> </ul> How many readmission of Down's syndrome children are there onto PICU?	17/07/12	Phil McShane	The data will be used to investigate trends in the admission of children with Down syndrome to PICU as stated in the "Aims" section. There is limited information in the public domain regarding the short term outcomes of this group of patients when admitted to intensive care, and so we feel that this work will improve the literature on this subject. We intend to publish a paper.
06/07/12	Robert Tasker	Professor of Neurology, Professor of Anaesthesiology, chair of Neurocritical Care Boston Children's Hospital and Harvard Medical School Great Ormond Street Hospital, London	<b>SYSTEMS, EDUCATION AND CONSULTANT COVERAGE ISSUES IN PICU</b> 1. From the whole PICANet series: Number of cases in each 1-hour bin, for the 24-hour clock, according to time of admission  2. From the subset in PICANet that die during PICU admission: Number of cases in each 1-hour bin, for the 24-hour clock, according to time of discharge (i.e., time of death)	06/07/12	Roger Parslow	This is information for an article in 'Archives of Disease in Childhood' that addresses systems, education and consultant coverage issues in PICU, focusing on recent RCPCH and Academy of Medical Royal Colleges documents
27/06/12	Calli Bates	Staff Nurse, Great North Children's, Hospital.	<b>IN HOUSE ADMISSIONS</b> Practice development project aiming to examine the transition period when children are transferred from PICU to ward environment and if any clinical educational support is required. Total number of admissions to PICU, Source of admission – same hospital, Previous ICU admission during current stay.	29/06/12	Phil McShane	Information will be included in practice development project which forms my dissertation for MSc Health and Social care.



27/06/12	Fattma Abdel-Salam	Paediatric Registrar Great North Children's Hospital	<b>THIOPENTAL COMA</b> Data on all patients with intracranial pressure monitoring or intraventricular catheter or external ventricular drain from 2006 to present in Newcastle PICUs (Newcastle General Hospital/ Great North Children's Hospital PICUs)	04/07/12	Phil McShane	Review of current departmental practice and to develop a local guideline for use of thiopental coma in refractory raised intracranial pressure on PICU
21/06/12	Charlotte Strzelecki	Medical Student, Royal Manchester Children's Hospital, PICU	<b>PIM2r</b> The PIM2r scores for all patients admitted to RMCH PICU between the dates Monday 21st May until Sunday 17th June inclusive. I need to be able to correlate the PIM2r values to the patient IDs that have been enrolled into the audit in order to categorise each patient into a disease severity category.	29/06/12	Phil McShane	The results will be used to compile the audit for submission as a report to the university of Manchester, the audit results will also be used internally within the PICU department to guide improvements in practice
20/06/12	Carla Hayes	PICU Audit Clerk, Queens Medical Centre, Nottingham	<b>RENAL FAILURE</b> Number of patients requiring renal support including Haemofiltration /haemodiafiltration, Plasma exchange/filtration, peritoneal dialysis, Duration of treatment, Outcome, Primary diagnosis. June 2011 – June 2012	29/06/12	Phil McShane	To evaluate renal interventions in my absence whilst on maternity leave
20/06/12	Mark Darowski	Chair, PIC Clinical Reference Group, National Commissioning board, LGI	<b>COMMISSIONING PICU/HDU BEDS</b> I would like to find out how many PICU admissions do not trigger a PCCMDS HDU level 1 HRG by unit. For each unit – PCCMDS categories + any patients admitted who do not trigger any category for each of the last two years. Numbers of bed days at each category. Numbers of admissions by highest category achieved during stay.	02/07/12	Phil McShane	To ensure equitable national commissioning of Paediatric critical care
07/06/12	Zoe Rooney	Paediatric Consultant and Clinical Leadership Fellow, BHR Hospitals NHS Trust	<b>OUTCOME DATA</b> Outcome data for children from our trust who require paediatric intensive care. For children from the 3 PCTS stated below I wish to obtain: Total number of PICU admissions, month by month, Primary diagnosis, PIM2 score, Length of PICU stay, Level of care i.e. no of days of PICU and HDU, Duration of invasive ventilation, Morbidity, Mortality, How 3-8 above compare with London and national data	04/07/12	Phil McShane	Form part of project plan and business case to improve paediatric care within the Trust
06/06/12	Marie-Claire Lobo	Consultant in Public Health Medicine, NHS Hampshire	<b>ACTIVITY FIGURES FOR HAMPSHIRE</b> The numbers of children and young people in Hampshire who have a PICU need i.e. the prevalence for admission Activity figures from PICANet for UHS for Hampshire children for Between 2007/08 and 2011/12	20/06/12	Phil McShane	To inform a commissioning strategy for children and young people with physical disabilities and/or complex health needs across Hampshire.
01/06/12	Geoff Dines	Information Analyst Specialist, RVI, Newcastle upon Tyne	<b>PCCMDS DATA</b> All PCCMDS activity processed through PICANet from March 1 <sup>st</sup> 2012 to 31 <sup>st</sup> May 2012	01/06/12	Lee Norman	Support Hospital in making mandated submission of activity to SUS

01/06/12	Andrew Fraser	Business Intelligence Manager	<b>PCCMDS DATA</b> All PCCMDS activity processed through PICANet from January 1 <sup>st</sup> 2012 to 31 <sup>st</sup> May 2012	01/06/12	Lee Norman	Support Hospital in making mandated submission of activity to SUS
08/05/12	Carla Hayes	PICU Audit Clerk, Queens Medical Centre, Nottingham	<b>APNEAS IN BABIES</b> From 01/10/11 to 31/03/12 all babies under 6 months.	30/05/12	Phil McShane	Departmental Study only
30/05/12	Ian Dawkins	Data Manager, PICU, Children's University Hospital, Dublin	<b>REFERRAL PATTERNS AFTER NEW BRIDGE PHONE</b> Part 1: Data list of sex, age, age group at adm, admission date and time, discharge date and time, length of stay, invasive ventilation, number of ventilation days, inotropic support, primary diagnosis, AdmissionSource, AdmissionType, PICULocation, name of referring hospital, DischargeStatus, 30DayFollowUp, FU30Locations, PIM Score, Readmission, Cardiac admission CardiacSurgery, CT/Cardiology Part 2: Data list of bed occupancy rates for each month split as cardiac versus non-cardiac. That is, for each month we require number of beds available, number occupied by cardiac patients and number occupied by non-cardiac. Admission Dates 01/01/2009 – 30/04/2012 inclusive.	Request Withdrawn	Request Withdrawn	Internal audit of impact of new bridge phone referral system and unit workload from 2009 onwards broken down into cardiac versus non-cardiac admissions.
30/05/12	Angela Cain	Paediatric ST3, Royal Manchester Children's Hospital	<b>ADENOVIRUS CHEST INFECTIONS</b> To determine the numbers of patients seen with adenovirus infection in PICU. To classify those children on the basis of event severity. To determine how many of those children were referred to respiratory paediatrics. To determine how many developed Bronchiolitis obliterans. To determine the range of respiratory outcomes for the children identified. Dates: June 1 <sup>st</sup> 2006 - 2012	06/06/12	Phil McShane	Results to be used as an audit project for diploma in Paediatric Infectious disease.
04/05/12	Andrew Fraser	Business Intelligence Manager, University Hospital of North Staffordshire NHS Trust	<b>ALL ACTIVITY</b> To support submission of PICU activity on SUS	04/05/12	Lee Norman	For internal use
04/05/12	Chris Byrne	PICU administrator, James Cook Hospital, Middlesbrough	<b>PCCMDS</b> 01/04/2012 -31/04/2012	04/05/12	Lee Norman	For internal use
03/05/12	Nick Roe	Charge Nurse, Sheffield Children's Hospital.	<b>VENTILATOR DAYS</b> Number of ventilator days of patients ventilated via ET Tube, not tracheostomy. Ventilator days is any patient ventilated for all or part of a day. Period August 1 <sup>st</sup> 2011 to January 31 <sup>st</sup> 2012. Sheffield only.	05/07/12	Phil McShane	Service evaluation of unintended extubations in our unit. To enable a measure to be made of UE events per 100 ventilator days.



UNIVERSITY OF LEEDS

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