

| <b>Broad Research Theme</b>                                  | <b>Specific topics</b>                                                                                                                                                                                                                                                                                                                 | <b>Team members</b>                                                                                                                                                                                                           | <b>Group leader</b>           |
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| <b><i>Patient deterioration</i></b>                          | <p>What is the role of vital sign monitoring in the prediction of deterioration of children?</p> <p>What are the views of nurses and parents in using PEWS?</p> <p>Why don't all children who trigger PEW get appropriate management?</p> <p>Re-audit of all PEWS in use in the UK?</p>                                                | <p><b><i>Sue Chapman (lead)</i></b>, Gerri Sefton, Kay Rushforth, Lyvonne Tume, Maggie Doman, Caroline Haines, Adrienne McCabe</p> <p>Need to involve:<br/>NHS Improvement, Nicola Davies</p>                                 | Sue Chapman (GOSH)            |
| <b><i>Nursing Workforce</i></b>                              | <p>Await results of PICANET staffing survey (Dec09) in June</p> <p>Audit of PIC nurse staffing compared to new PICS standards</p> <p>Evaluation of e-rostering in PICU</p>                                                                                                                                                             | <p><b><i>Andy Darbyshire (lead)</i></b> , Gerri Sefton, Caroline Haines, Barbra McManus</p> <p>European interest &amp; need to involve Janet Tucker</p>                                                                       | Andy Darbyshire (Alder Hey)   |
| <b><i>Family/parents psychosocial experiences of PIC</i></b> | <p>Parent's experiences of transfer to the ward from PICU</p> <p>PICU follow-up clinics</p> <p>Parental choice in PIC</p> <p>Child's perspective of PIC – QOL, recall, Psychological outcome</p> <p>Mothers vs father's experiences of PIC</p> <p>How to get user involvement in PIC?</p> <p>Sleep deprivation in PIC and outcomes</p> | <p><b><i>Carolyn Boyles (lead)</i></b>, Angela Grange, Carol Laming, Tina McClelland, Fiona Lynch, Caroline Haines, Adrienne McCabe, involve PICU Psychologist Gillian Colville, PICU Families Subgroup and ? Prof Carter</p> | Carolyne Boyles (Southampton) |

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| <b><i>Pain/sedation/withdrawal</i></b> | Withdrawal symptoms in PIC and nurse and family experiences of withdrawal<br>More work on COMFORT score<br>Does BIS assist in sedation assessment in NMB children in PIC<br>Sedation weaning regimes<br>Sedation cycling                                                                                                                                                  | <b>Julia Harris (Lead)</b> , Jennie Craske, Carolyn Boyles, Barbara McManus, Lyvonne Tume,<br><br>Need to involve: European work (PhDs) from NL Erwin Ista & colleagues, National RCN Paed Pain group (Prof Carter leads) | Julia Harris (Evelina) |
| <b><i>Risk Reduction in PIC</i></b>    | Evaluation of care bundles in PIC to reduce HCAs<br>Defining VAP<br>Audit of unit's who are contributing to Matching Michigan data<br>Drug errors on PIC – reporting tool dev by PhD nurse Gerri Armitage)<br>Dev a interactive package for drug calculations<br>Ways to reduce drug errors – prescribing and administration<br>Family involvement in drug errors<br>ANTT | <b>Angela Grange (lead)</b> , Kay Rushforth, Alison Taberer-Stokes, Cathy Roberts, Helen Windmill, Sue Chapman, Andy Darbyshire, Maggie Doman<br><br>Involve NPSA, Jenny Mooney, Improving patient safety initiative      | Dr Angela Grange       |
| <b><i>Nutrition/Feeding</i></b>        | Survey of ICU nurse and doctor knowledge and views of enteral feeding (local and national)<br>Very early (6hr) vs early 24 hour feeding and outcomes in PIC<br>Evaluation of 24hourly continuous feeding in PIC                                                                                                                                                           | <b>Lyvonne Tume (lead)</b> , Andy Darbyshire, Need to involve a Dietician (Lynne Latten Alder Hey), Irish lady and also Rosan Meyer St Mary's                                                                             | Dr Lyvonne Tume        |