

## Innovation and Improvement Report

<b>Title</b>
<b>pRESUS for Healthcare Students: paediatric Rapid Evaluation and reSuscitation of the Unwell Simulated-patient</b>
<b>Why this project (e.g. what was the problem, why was it a priority)</b>
Simulation is a growing area in undergraduate medical education. Programmes available focus largely on adult patients. However, 40% of GP attendees & 22% of ED attendees are children – so this discrepancy in availability of paediatric simulation needs addressing.
<b>Brief description including setting (e.g. ward based, community etc)</b>
<b>Aim: to improve patient safety by ensuring healthcare students have a robust system for assessing an acutely unwell child now and on day 1 as a qualified professional.</b>
<b>Week 1 of placement:</b> Interactive lecture and work-shop. Topics covered: <ul style="list-style-type: none"> <li>• ABCDE approach</li> <li>• Normal values in children</li> <li>• How to and when to call for help</li> <li>• Common treatments including dose calculation and WETFLAG</li> <li>• Online resources (spotting the sick child, SORT and PIER websites)</li> <li>• Practical BLS session</li> </ul>
<b>Week 3/4 of placement:</b> Structured simulation followed by debrief + teaching session. Topics include croup, bronchiolitis and sepsis.
<b>Improvement methodologies (e.g. PDSA cycles)</b>
Sessions initially ran with just medical students then expanded to combine medical and nursing students. Helping to foster interdisciplinary team working skills at an early stage of career development. Feedback reviewed regularly and course evolves and changes according to student/faculty comments (for example, addition of extra simulation sessions).
<b>Patient involvement (yes/no, if yes please describe)</b>
No
<b>Measures used (e.g. process , outcome and balancing measure, what data did you collect, how did you record it)</b>
<b>Feedback:</b> Questionnaires given to students pre interactive lecture, post interactive lecture and post simulation session. Mostly 'Likert scale' but with free text answers.
<b>Outcome (e.g. what were the key findings/learning points, did these result in a change in practice for patient benefit, was this sustainable)</b>
<b>Findings:</b> Significantly increased confidence rating across the board in: assessing the unwell child; using the ABCDE approach, calling for help and performing BLS. Key feedback themes include importance of ABCDE approach, enjoyment & relevance to paediatric practice.
<b>Details of where published/presented</b>
Winner of best trainee oral presentation at IPSSW (International Paediatric Simulation Symposium and Workshop), Glasgow 2016
<b>Project leaders/Contact details for more information</b>
<b>Dr Fiona Hignett</b> - <a href="mailto:fionahignett@gmail.com">fionahignett@gmail.com</a> and See <a href="http://www.pRESUS.weebly.com">www.pRESUS.weebly.com</a>
<b>Key search words</b>
Medical student, nursing student, simulation, education, resuscitation, ABCDE approach