

## SHSW Technology Fund - Website Publication Template

Information	Description
Project title / reference	SHSW-0412 Clinical Information System (CIS) at the Royal Free London ITU
Project Overview	<p>This project is to introduce an integrated digital care record in ITU. Nursing care and physiological data is currently recorded manually in different coloured pens on an hourly basis on large complex charts. Interventions such as X-ray, physiotherapy, drug boluses and infusions are not recorded in an accurately timed manner. It is estimated that nurses spend between 25-30% of each working hour filling in these charts.</p> <p>Nursing and doctor's notes form a subjective record, a system that has remained unchanged at the Royal Free Hospital for more than 35 years.</p> <p>Currently our documentation system creates a huge amount of paper that must be stored and processed at significant cost. No single set of paper notes contains all the components of an ICU admission; this creates huge difficulties when "data mining" exercises are undertaken for audit and research purposes.</p> <p>The Clinical Information System (CIS) project will digitise patient observation, patient interaction and vital sign recording at the bedside in 'real' time capture.</p> <p>Benefits are described in terms of both quantitative and qualitative benefits. Quality of care and patient safety is improved through instant access to patient vital signs that are recorded accurately at the bedside.</p> <p>Projected cost savings will include reduced paper costs although most savings will be realised will be in clinical and non-clinical time.</p> <p>It is envisaged that administrative time saved by nurses and clinicians (efficiencies realised as a direct impact of CIS) will be re-directed to clinical contribution. For nursing, this may reduce the reliance on temporary nursing staff.</p>

Key Dates	Start date March 2014, device integration December 2014, design & implementation August 2015
Cost	£911,700
Contribution from SHSW Tech Fund	£381,550
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