

East Midlands Innovation in Healthcare Awards 2015 – the full shortlist

Categories:

- 1. Patient Identified Innovations:** Innovative projects, services or products that are developed: From patient input, ideas or suggestions, and / or in partnership with patients. The focus is on delivering better access, experiences or outcomes for patients
- 2. Improved Access, Experience and Outcomes for Underserved Communities:** supporting underserved communities, including people living in rural and remote areas and black and minority ethnic communities
- 3. Frontline Innovations:** for staff at more junior levels with ideas that benefit patient care or resolve unmet needs, for example though improved care, infection control or disease management
- 4. Medical Technology:** Innovations that support EMAHSN's priority areas including frail older people, stroke rehabilitation, mental health, diabetes and obesity. Innovations focus on medical devices, equipment or therapies
- 5. Technology Enables Care Services (TECS):** Innovations that have potential to transform the way people engage in and control their own healthcare, empowering them to manage it in a way that is right for them
- 6. Innovation Through Integration:** Innovative projects, services or products developed in partnership that support one or more of the following: address an unmet need, deliver a better experience or care for patients, build people's independence, improve access and experiences of underserved communities.

Summary of shortlisted entries by category (listed in alphabetical order, by organisation)

Organisation	Entry Title	Summary
Category 1: Patient Identified Innovations		
Breathe Easy Nottingham West (part of the British Lung Foundation)	Living to Breathe, Stay Well - Stay Active a novel DVD of chair based exercise for those with chronic lung conditions	There are 12 million people in the UK with a lung condition. Many are limited in what they can do by breathlessness and by leg fatigue, which can leave them housebound and unable to undertake everyday activities. A pulmonary rehabilitation course was developed, based on building confidence and improving education. However, the course is based and only 6-7 weeks long. With this in mind this innovation developed a DVD for use by patients after the rehabilitation finishes, or by people who are too ill and do not take part in the course. The DVD includes specific chair-based exercises and was developed with a qualified exercise instructor and patients from Nottingham West Breathe Easy support group.
Healthwatch Northamptonshire	Young People's Health and Wellbeing conference and Young Healthwatch Northamptonshire	This innovation focussed on supporting young people to engage with each other on issues around health and wellbeing - particularly mental health - and talk to leading decision makers about issues that are important to them. A conference was organised, which took place during February 2015. Planned and designed in collaboration with young people, 70 people attended including local politicians and representatives from health, social care and voluntary organisations. The conference was led by young people, who gave keynote speeches and hosted a Question Time-style panel. The young people agreed to form a Young Healthwatch Northamptonshire to take forward work around two initial priorities: tackling self-harm in schools and raising young people's awareness about local support services.

Nottingham University Hospitals NHS Trust	Patients lead the way to improve the cancer transfer process; a unique approach to patient engagement	The Greater Nottingham Cancer Forum (GNCF) wanted to improve the transfer pathway for patients, and they decided to conduct patient interviews – gathering stories that could prove an inspiration to others. Training sessions were organised with The Samaritans about interview techniques – for example asking open ended questions and conducting interviews without leading. The GNCF also undertook hospital training so that volunteers could work on wards. They started in March 2015 and have now undertaken up to 30 patient interviews.
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Category 2: Improved Access, Experience and Outcomes for Underserved Communities

Change Makers hosted by the Renewal Trust	Health Improvement for the people by the people	‘Change Makers’ is a volunteer-led innovation promoting early diagnosis of cancer to reduce cancer deaths in Nottingham. Local people from diverse communities are recruited, trained and supported to develop creative, innovative ideas to raise awareness of signs and symptoms for cancer – this aims to encourage people to present early, helping earlier diagnosis to improve cancer survival rates. The programme works in partnership with GPs, secondary care and voluntary, community and faith groups. Change Makers are representative of the local diverse communities of Nottingham with over 100 volunteers, with a good gender mix from across the age range and ethnic, religious and cultural groups speaking 18 different languages.
MonOlisa Productions (based in Nottingham)	Patty Dumplin Helps British Heart Foundation Fight for Every Heartbeat	This innovation is an original and unique method for the British Heart Foundation to effectively deliver health messages and interventions to Nottingham’s African Caribbean community. Research carried out by the BHF show that if you are of African Caribbean background, you are at higher risk of having high blood pressure or a stroke than other ethnic groups in the UK. The initiative is based around a fictional African Caribbean character named Patty Dumplin. Usually, people only have the opportunity to watch such characters on stage or TV. People can also listen to

		Patty Dumplin on the radio, read about her in the newspapers and magazines, engage with her using social media, attend her workshops and even bump into her on the street. She is accessible and takes her message and charisma to the heart of the community.
Personal Care Packs Ltd (Leicester)	Patient Care/Welcome Packs	This innovation focuses on improving the admission and care experience for vulnerable and isolated patients. People admitted to hospital in emergency situations rarely have basic toiletries and necessities: patients who are lonely and isolated with no friends or family nearby often have no way of obtaining these items. They may be elderly people, young people who have left home, refugees, victims of abuse who have fled without belongings, or homeless people. The Patient Care Packs are packs of essential toiletries sold by the social enterprise to NHS trusts. The packs are freely distributed by hospital staff at the point of admission.
3. Frontline Innovations		
Nottingham University Hospitals NHS Trust	Ascites Management Project	The need of paracentesis for patients with cirrhosis and ascites has grown from an average of 15 procedures in 2008, to 40 procedures per month by 2014, driven both national and local demands. Average waiting time to start the paracentesis procedure was two hours, with 29% waiting for more than three hours. Patients were rarely seen by the same doctor more than once due to junior doctor rotation as part of their training. This innovation was designed to improve patient service and experience and has addressed issues including low staff morale, underutilisation of the self-referral pathway, safety concerns regarding existing procedure training, lack of palliative care planning and support and better integration with primary care providers.
United Lincolnshire Hospitals NHS Trust	Developing a nurse-led COPD in reach service	The innovation focused on implementing a Chronic Obstructive Pulmonary Disease (COPD) service in a large hospital. This service was facilitated by a respiratory clinical nurse specialist who visited the admission units twice a day to identify all adult patients admitted with an exacerbation of COPD. Patients were assessed, treated, and either referred for respiratory consultant input or discharged into

		the community under the care of a community led 'early assisted discharge' service. All patients had their medications reviewed, inhaler technique checked, pulmonary rehabilitation courses offered, self-management plans provided and smoking status assessed and managed. Over 12 months this service reduced hospital length of stay by an average of 2.53 days and reduced readmissions by almost 50%, whilst also improving patient experiences.
University Hospitals of Leicester NHS Trust	The Junior Doctors' Gripe	The Francis Inquiry highlighted the importance of enabling NHS staff to raise safety concerns: junior doctors often have such concerns but fail to report them due to lack of systems being in place, fear of raising issues and lack of visible change. This innovation focused on piloting a web-based tool for reporting concerns, which could be accessed via any Trust computer. The tool was designed to encourage junior doctors to report concerns about quality and safety of care, rather than serious incidents or errors. Submissions were initially responded to by The Trust's Safety Lead and Medical Education Fellow and more complex concerns were grouped into themes, and presented to the Chief Executive and Medical Director for consideration. The tool proved popular during a three-month pilot and there are plans to spread the initiative to another trust in the East Midlands.
4. Medical Technology		
Derby Teaching Hospitals NHS Foundation Trust	Improving the patient's experience of major foot and ankle surgery using disposable elastomeric anaesthetic infusion pumps	Major ankle surgery is associated with severe pain requiring high doses of painkilling drugs, sickness and a five-day hospital stay. This innovation pioneers use of a continuous nerve block using an inexpensive disposable pump that enables the patient to return home soon after surgery, taking fewer painkillers and without sickness. The plan involves the acute pain team, anaesthetist, surgeon, theatres, pharmacy, ward staff and our orthopaedic outreach team. The team followed up the patients both on the ward and at home receiving excellent feedback on pain control, sickness and sleep patterns. Patient satisfaction is high

		and length of stay has reduced significantly with many patients going home on the day of surgery. This has enhanced patients' experience of their recovery from surgery.
Leicester Diabetes Centre, Leicester General Hospital, University Hospitals of Leicester NHS Trust	Training and Overview Database (TOD) for EDEN (Effective Diabetes Education Now)	With one of the highest rates of diabetes in the UK (at around 8%), diabetes education for Leicester's doctors and nurses is critical. Failure to provide effective training for healthcare professional leads to variable levels of diabetes care for patients, which in turn can result in more hospital admissions, complications and specialist care referrals. The challenge is to create an efficient system that identifies training needs then monitors training uptake and completion rates and future individual education needs, while simultaneously monitoring the effectiveness of diabetes education being delivered. This is what the TOD system aims to deliver: it is an intelligent database application that makes innovative use of algorithms and programming. It supports effective education by automatically generating training recommendations based on the needs of individual healthcare professionals and then monitors their year on year improvement.
Salvere Technologies Limited (Wootton, Northampton)	Self-Disinfecting Antimicrobial Non-Invasive Copper Blood Pressure Cuff	A blood pressure cuff is a medical device used to apply pressure to the arteries in the arm for the purpose of measuring blood pressure. However, there can be a risk of cross contamination when the cuff is used on another patient. This innovation helps infection control by using a self-disinfecting antimicrobial fabric. This simple technology has helped to save staff time and reduce infection rates.
5. Technology Enables Care Services (TECS)		
Carers Federation	Self-Help Health Assessment Application for Young Carers	This innovation is an App for young carers that can be used via a personal computer, iPhone and Android phone. It offers a range of functions to help young people: increasing their access to services and support, reducing their feeling of isolation, informing them about events and activities for young carers, and also helping them to better understand the condition and health issues of family members they care for.

		The primary aim is to empower young carers and strengthen their resilience. It is interactive, so the young carers can feed back on the support and information they need.
Leicestershire Partnership NHS Trust	Improving Care with Assistive Technology and Health Coaching	This innovation aims supports patients to self-manage a chronic condition in their own homes and so reduce the need to be admitted to hospital. Four partner organisations worked together to deliver a new model of care for patients with Chronic Obstructive Pulmonary Disease (COPD), putting patient self-management at the heart of the service design. In total 70 patients in Leicester received specialist nurse support via the initiative, which has prevented unscheduled hospital admissions and has empowered patients to take more control of their care.
Roundwood Surgery (Forest Town, Mansfield)	iPad Technology in GP Virtual Ward Rounds within a Care Home	This project makes innovative use of iPad technology by creating virtual GP ward rounds within a Care Home - the GP has a one to one consultation with their patient using Skype. Virtual Ward Rounds were completed between a GP from Roundwood Surgery in Mansfield and Stone Cross, a Learning Disability Residential Home. Prior to the introduction of the Virtual Ward if a client was ill, both transport and carers would be required to take them to the Practice. This could be very disruptive for residents with severe learning disabilities. It also reduced the numbers of staff on duty within the home. The introduction of Virtual Ward Rounds has allowed the staff at Stone Cross to spend more quality time with their clients. The GP has reported that holding regular Virtual Ward Rounds has improved the levels of care delivered to residents.
6. Innovation Through Integration		
East Midlands Forensic Pathology unit, University of Leicester	Post-Mortem Computed tomography; a minimally invasive alternative to the traditional invasive	This innovation is a computed tomography (CT) service, which is an alternative to the traditional invasive autopsy requested by Her Majesty's (HM) Coroners for the investigation of sudden natural death. This is the first service of its kind delivered from within the NHS, using an NHS multidisciplinary team of Pathologists, Radiologists, Radiographers and Anatomical Pathology Technicians (APTs) and a

	autopsy	specialist nurse. Rather than invasive techniques, the service uses advanced imaging techniques during post mortems. This initiative has improved diagnostic accuracy of investigations into deaths, and in addition it responds to the concerns of bereaved families about invasive autopsies, including people who do not want an autopsy for cultural or religion reasons.
Nottinghamshire Healthcare Foundation NHS Trust	Mid-Nottinghamshire Local Integrated Care Teams (based on the PRISM Profiling Risk, Integrated Care, Self-Management - model)	This collaborative initiative brought together different organisations to remove boundaries to deliver a better more responsive experience for patients and their families and so improve their health outcomes. The PRISM model of integrated care focuses on a 'one team' approach that provides holistic care for patients and their families. It is based around their individual needs in order that they build confidence and independence in their own homes. The model incorporates a 'Virtual Ward' where those patients who have the most complex clinical needs can be supported intensively at home until the period of immediate crisis is over. The innovation is focused on the needs of the service users: the level of input is reduced as independence is regained.
University Hospitals of Leicester NHS Trust	Collaborative hospital-community partnership model to improve health care for children and young people who need long term ventilation (LTV)	For various diseases, children and young people may need long-term support to maintain their respiration - support which was historically provided in paediatric intensive care units and high-dependency units. The trend to deliver this care at home has led to improved quality of life for the children and young people and their families: however there is still a risk their health can deteriorate quickly. This innovation focuses on development of a new collaborative network between the hospital, LTV team and the community, to flag up potential issues that may affect the young people at home so they can be resolved them before destabilisation occurs. This has been proven to significantly reduce hospital readmission rates and improved the young people's quality of life.