



Summary of Technologies



No.	App Name	Organisation and presenter	What it does and benefits	Link for more information
1	AED Locator Defibrillator	South Central Ambulance Service NHS Foundation Trust (SCAS) – Gillian Hodgetts and Professor Charles Deakin	<p>SCAS NHS Foundation Trust is the first ambulance trust in the UK to launch an app that locates the nearest Automatic External Defibrillator (AED). The app uses GPS functionality to show where the nearest AED is as well as a list of AEDs in the area.</p> <p>The app, which identifies over 600 AEDs in Berkshire, Buckinghamshire, Hampshire and Oxfordshire, could help save the life of a person suffering sudden cardiac arrest.</p> <p>The AED Locator for iPhone and iPad can be downloaded from the Apple iTunes Store. Versions for Android and Blackberry are currently in development.</p>	<p>Presentation</p> <p>Watch a video about the app here</p> <p>http://www.southcentralambulance.nhs.uk/</p>
2	Monster Manor Game App Diabetes Type I Children	Oxford Academic Health Science Network – Dr Katharine Owen, Diabetes Network Clinical Lead	<p>Monster Manor is a free smartphone game app which encourages children with Type 1 Diabetes to measure their blood sugars more often by making testing more fun. Research has demonstrated that just one extra test per day could lead to an improvement in glycaemic control.</p> <p>The app which was developed through a partnership of Ayogo, Diabetes UK, Oxford Academic Health Science Network and Sanofi Diabetes was highly commended in the medical technology category at the HSJ Value Awards in September 2014.</p>	<p>Watch a video about the app here</p> <p>HSJ Value in Healthcare Awards</p>

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3	<p>howRU and howRwe</p> <p>Pre – Operative Assessment Nuffield Orthopaedic Centre</p> <p>Self-care</p>	Routine Health Outcomes Ltd – Tim Benson	<p>Routine Health Outcomes Ltd have developed two apps, howRU and howRwe, which are short generic patient-reported measures of outcome and experience.</p> <p>HowRU has been available on the Apple iPhone App store since August 2010.</p> <p>Both apps are used by both patients and providers to ask patients to rate their quality of life (howRU) and experience of care (howRwe).</p> <p>The Nuffield Orthopaedic Centre has been using both for over a year in their Pre-operative Assessment Clinic (outcome slides shown in presentation).</p> <p>Also on NHS Apps list.</p>	<p>Presentation</p> <p>http://www.abies.co.uk/</p>
4	Pressure Ulcers – App in Working Progress	LDnH Learning and Development Ltd – Linda and Neil Hoskins	<p>Following the January event, LDnH have been developing an app for Buckinghamshire New University on pressure ulcers.</p> <p>This has been developed using Adobe Captivate, which comes with its own App Packager, which uses PhoneGap Build. In theory, this provides a rapid development route for non-programmers.</p>	<p>Presentation</p> <p>http://www.ldnh.co.uk/About</p>
5	SEND Vital Signs	Oxford University Hospitals NHS Trust – Lauren Morgan	<p>OUH have developed an app to assess patients physiological signs.</p> <p>Leads – Lionel Tarassenko (Head of Engineering) and Peter Watkinson (Lead Clinician and ICU Consultant).</p> <p>The app is SEND – System for Notification and Documentation, and it's an app for documenting in-patients vital signs. The app is for all clinicians working within a hospital, and means that an in-patients vital signs can be accessed remotely by clinicians in hospital.</p> <p>The app is currently live in one clinical area.</p>	<p>Presentation</p> <p>http://www.ouh.nhs.uk/</p>

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6	Smartcare Sleep Apnoea	Centre for the Advancement of Sustainable Medicine (CASMI) – Megan Morys	Sleep apnoea is a serious condition affecting 4-7% of the global population, and is a risk factor for cardiac and other conditions. It can be treated using a range of therapies from surgery to simple weight loss. The Smartcare app aids the diagnosis and monitoring of this condition by collecting data from a wearable pulse-oximeter and processing it using proprietary algorithms on a cloud server. Information and advice can be provided direct to the individual or shared with the GP, family members etc. through the app and web interface. The system reduces cost, increases convenience and could reach more of the 90% of sufferers who currently remain undiagnosed. The Smartcare system also has potential as a broader platform for collection and processing of biological signals and CASMI are already developing a second module for atrial fibrillation.	Presentation 1 Presentation 2 http://casmi.org.uk/
7	Developer – Medical Devices	Cambridge Medtech Solutions – Stuart Kay and Sebastien Cuvelier Mussalian	Cambridge Medtech Solutions is an independent technical and strategic consultancy for the design, development and industrialisation of commercially successful medical devices and enabling technologies. Medtech Solutions don't currently have any apps to market; however, they have a wealth of experience in designing and developing medical devices, and how that relates to 'apps' and possibly 'apps within hardware'.	Presentation http://c-m-s.com/

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8	Care 4Today Mobile Health Manager Medicines Management	Johnson and Johnson – Nayan Kalnad and Allan Bowyer	<p>Evidence suggests that 50 percent of patients with long-term conditions do not take medications as prescribed (Adherence to long-term therapies: Evidence for action, World Health Organisation, 2003).</p> <p>Developed by J&J's Janssen Healthcare Innovation unit, the programme aims to help people with long-term conditions remember to take their medication. Care 4today Mobile Health Manager is intended to:</p> <ul style="list-style-type: none"> • Regularly monitor progress, review medicines and pinpoint areas for improvement • Remind and motivate patients to take medications on schedule • Reduce unnecessary repeat prescriptions • Allow patients to set up custom reminders <p>The service is free to download and can be used on any mobile phone, tablet or computer. It can also be joined up with J&J's Care4Families which allows Care4Today users to connect with a designated relative, friend or carer who can then monitor whether they have taken their medication and receive alerts if doses have been missed.</p> <p>J&J hopes the programme will become an invaluable tool for patients, families, carers and healthcare professionals in the management of chronic conditions.</p>	Presentation Care 4Today Mobile Health Manager

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9	myPace Weight Management	White October – Dave Fletcher	<p>myPace mobile app enables overweight patients to manage weight management.</p> <p>The app is designed in partnership with dieticians, enabling health professionals to stay connected with their clients between consultations. It provides an innovative way to set-up and record objectives for their patients, track clients' progress and moods, and send motivational messages.</p> <p>Benefits:</p> <ul style="list-style-type: none"> • Enable overweight patients to lose weight through enhanced relationship with their healthcare professional. • Reduce time taken by patients to achieve their weight loss goals and thereby reducing the volume of healthcare resources required. • Help tackle obesity by educating patients about energy balance. <p>White October are also identifying other areas within the healthcare sector that could benefit from this type of app.</p>	<p>Presentation</p> <p>Website</p>
10	The Sound Doctor Self-Care	The Sound Doctor – Rosie Runciman	<p>The Sound Doctor is an audio visual web based intervention which aims to help people self-manage long term conditions better. Information is provided by top doctors, nurses and other health practitioners in order to provide an extensive online library of film information. Each condition has more than 60 films broken down into short chapters. There is also a chat room from which individual groups/organisations can promote ongoing behavioural change for those patients using it in their area.</p> <p>Patient and health professional reaction is very positive. Patients are particularly enthusiastic about the benefits of being able to hear what doctors and other health professions have to say 24/7.</p> <p>The Sound Doctor has been picked as an example of innovative excellence and accompanied the Health Secretary of State, Jeremy Hunt to Washington where they showcased. NHS England has designated them a potential high impact innovation.</p>	<p>Website</p>

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	7 Steps to Recovery Stroke Recovery	Oxford Brookes – David Festenstein and Graham Walburgh	7 Steps to Recovery has been developed based on David Festenstein's own experience of recovering from a stroke. The app aims to give people recovering from illness a pocket road-map which they can use to gain a positive outlook on their experience.	Website



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