



## NEWSLETTER February 2012

Welcome to the February 2012 newsletter from the Technology Strategy Board (TSB) Knowledge Transfer Network and the Telecare Learning and Improvement Network.

Our newsletter is now being distributed to 46,000 subscribers in the UK and worldwide. We hope that you find this newsletter useful. With over 700 news and events links this month, it is the most comprehensive newsletter available serving the telecare, telehealth, ehealth and assisted living communities.

The newsletter provides further updates on the Three Million Lives initiative, plans for upcoming King's Fund Congress coverage of the Whole System Demonstrator Programme findings together with the recent Birmingham, Oldham and Cornwall announcements. There are a number of important events planned including the 4<sup>th</sup> Scottish Telecare and Telehealth Conference, Med-e-Tel and Royal School of Medicine seminars. You can check upcoming programmes via the links in the events listing.

The Technology Strategy Board is now in the final stages of selection for the DALLAS communities. Seven community seeds remain. Over the next three years, the programme will develop between 3-5 communities with a total of up to 50,000 users of innovative assisted living technologies and services in the UK. Final selection will be made over the coming weeks ready for the programme to commence in Summer 2012. Arrangements are also being put in place to network and share the learning from the communities as well as a planned evaluation of the outcomes over the three year programme.

In addition, the Assisted Living Innovation Platform (ALIP) is progressing work on potential new business models for assisted living, supporting research into social and behavioural studies, lifestyles, design and interoperability. The Technology Strategy Board is supporting a new web site called 'Tomorrow Together' to develop assisted living approaches to support

For weekly news updates and information, you can register with the Technology Strategy Board, ALIP and the DALLAS sub-group.

If you would like daily information on #telecare and #telehealth, then a Twitter stream is now available at the TelecareLIN web site (you do not need to register on Twitter and it is accessible to organisations not able to connect directly to social media):

<http://www.telecarelin.org.uk/News/twitterStream/>

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**Item 1: News - partner organisations meet to map out plans to take the ‘Three Million Lives’ initiative forwards; waiting for the WSD details; who is commissioning and providing services; recent service announcements**

### **Three Million Lives**

Work is now progressing with the [Three Million Lives](#) initiative. An important aim is to look at how new business models can be applied to telehealth implementation in England to support a Department of Health commitment over the next five years. A Concordat with industry has been signed, the web site is now available and meetings are being held to take the initiative forwards.



Even if we start with the 1.5-1.7m people already benefiting from telecare and telehealth in England,

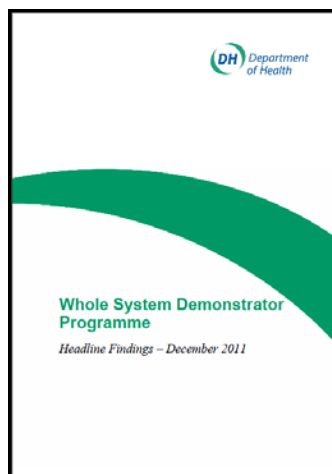
reaching a target of three million users over five years is a challenging task. Adoption of new drugs and technologies into health settings can take some time. For pharmaceuticals we are often talking about ten or more years of clinical trials before new drugs are licensed for the market. For implanted medical devices, the length of time can be shorter but extensive trials are needed to demonstrate safety and efficacy. The Assisted Living Innovation Platform has been supporting research on new business models for telecare and telehealth since Spring 2011 and further progress has been made with the [DALLAS](#) initiative to look at scaling up local services. We look forward to fresh approaches emerging (including consumer models) to ensure that telecare and telehealth services can be effectively scaled.

### **Managing the risk**

Of course, home based telemonitoring is a much lower adoption risk than pharma and implants as the majority of the medical devices used are well established in healthcare and innovators can concentrate on managing the data and behavioural scientists can look at how people best use the technology in the home. At this time, home telemonitoring is not used for managing emergency situations, rather it is used to pick up trends to enable earlier intervention. Users and their families in their homes know it is important to seek GP or nursing advice or contact the emergency services if they have difficulty breathing, chest pains etc. This is important in managing the risk as new services are developed. Using technologies in this way can be very effective as some people may only need telehealth services for a short period eg following a hospital discharge or during a crisis period. This means that equipment and services can be carefully recycled for use by new users. Additionally, multi-user kiosk arrangements are able to support groups of people in care homes, nursing homes extra care and supported housing facilities.

### **The Whole System Demonstrator headline findings**

The Whole System Demonstrator (WSD) [headline findings](#) were announced in December 2011 as part of the Government's [Life Sciences](#) Initiative. As expected, they caused some interest in the medical world. Originally, WSD detailed presentations were scheduled for the Royal School of Medicine Conference at the end of November (ahead of the Prime Minister's December announcement). The details were not quite ready in time and have been rescheduled for March 2012 at The King's Fund [International Congress](#).



Absence of the detailed WSD findings was questioned by several health professionals concerned about a government policy announcement without the detailed peer-reviewed evidence being available for scrutiny (eg [BMJ: Show us the evidence for telehealth](#)). Of course, with a complex evaluation covering five themes, it would always be a challenge to prepare all of the reports for simultaneous publication in leading scientific journals.

Although many of the WSD headline findings were in line with other telehealth studies, it was the potential reduction in mortality in the WSD study that caught the attention of many people – it will be interesting to see the details behind this particular headline. The headlines did not provide any findings from the telecare part of the WSD trial and it will be important to review the details when they eventually become available.

### **Commissioning and providing telecare and telehealth services in England**

There is no identifiable new Department of Health funding for telecare or telehealth within the current 2012/2013 [NHS Operating Framework](#) in England and the aim is to work with industry partners to cover upfront costs on the basis of an ongoing revenue stream or through some other type of outcome-based approach (eg based on long term condition case management).

PCT Clusters and emerging Clinical Commissioning Groups (CCGs) are looking at how services can be reconfigured locally through the [QIPP Programme](#) – this may, in some areas, include telehealth initiatives. Local authorities have additionally been using some of the [social care money](#) available via the NHS to support their local telecare programmes. This was recently evidenced in the [report](#) by the House of Commons' Health Select Committee on Social Care.

The NHS reforms present a challenge to commissioning of innovative new services. It can be easy to stick with old inefficient forms of service delivery even though evidence is becoming available for more effective healthcare support systems.

The [Health and Social Care Bill](#) has been going through Parliament for well over a year and amendments are still being considered covering the responsibilities of the Secretary of State, the degree of competition and integration within services, the new commissioning structures and the winding up of bodies such as Strategic Health Authorities (SHAs) and Primary Care Trusts (PCTs).

Whatever happens to the Bill in Parliament, it would be difficult to reverse a number of structural changes that already have taken place (eg clustering of PCTs). Unless further major changes are made to the Bill, it is inevitable that there will be a central [NHS Commissioning Board](#) with some regional activity as well as a number of Clinical Commissioning Groups (CCGs) led by GPs and supported by commissioning support services. As currently envisaged, CCGs will need to go through an [authorisation](#) process commencing later in 2012 prior to formal allocation of budgets and responsibilities as statutory bodies. Where CCGs are not ready for April 2013, their commissioning responsibilities are likely to be led by the regional arms of the Commissioning Board.

In the meantime, provider services in England (community nurses, therapists etc) have been removed from the original 151 PCTs. These are now located in acute hospital trusts, mental health trusts or community trusts (some of which are social enterprises). There has been some joining up of community services across geographical boundaries.

Local authorities will have a new role in public health and '[Health and Well-Being Boards](#)' are being set up within social care boundaries. Health Watch will provide information about services and handle complaints etc.

### **So, in England, where will telecare and telehealth services be located in future?**

For telecare, the picture is very similar to previously with some potential developments. Primarily, telecare services are provided through 152 social care authorities and a number of housing organisations including a number of district councils and housing associations. In addition, there are

a number of commercial and independent contractors who provide services to the public sector on contract or to consumers directly. New and continuing developments are centered around:

- More integrated service commissioning and provision eg discharge support, integrated care teams, intermediate care services
- Telecare control centres providing some installation, technical support and initial triage for telehealth remote monitoring
- Personalisation and self-directed service support, direct payments etc

We can expect to see some further consolidation of telecare control centres as local authorities and housing providers seek budget efficiencies. We are also likely to see some further warden services transferred to mobile support staff supported by telecare. Health and Well-Being Boards are likely to be interested in developing integrated health and social care services which could encompass telecare and telehealth.

Telecare within social care provision will continue to be commissioned generally through local authorities with a greater emphasis on choice so that users, carers and their families can integrate services into their homes that fit their lifestyles and needs. Some local authorities are developing service directories in partnership with providers to support and promote their personalisation programmes.

Telehealth services are currently commissioned by PCTs in England which have been consolidated into around 50 PCT clusters. Increasingly, Clinical Commissioning Groups will take on actual budgets and commission services from a range of providers which is likely to include the local community health service. CCGs will need to consider how they meet the needs of their populations including people with complex long term conditions. During this transition period, community services may be reconfiguring and innovating at a faster pace leading to new styles of integrated services which are likely to include telecare and telehealth.

### **Recent service announcements**

We can expect to see a number of major telecare and telehealth announcements over the coming months. Here are a few recent announcements.

1 Whole System Demonstrator site, Cornwall, has announced that it is looking to work towards a target of 30,000 patients for its telehealth service. The announcement received extensive news and BBC Radio Four coverage.

Link:

[BBC News - NHS Cornwall in Telehealth 30,000 patient target \(UK\)](#)

2 Birmingham City Council has announced a £14m telecare programme for up to 25,000 people.

Links:

[£14m telecare project launched by Birmingham city council \(UK\)](#)

[Birmingham City Council Showcases City-Wide Telecare Programme at Telecare Service Launch \(UK\)](#)

[Telecare to help 25,000 people in Birmingham \(UK\)](#)

3 [North Yorkshire and York](#) has been moving ahead with their roll out following an internal audit report which examined their progress.

4 [Oldham](#) has commenced a program for 150 people with chronic obstructive pulmonary disease.

5 [Newcastle](#) are making changes to their warden and telecare services.

Further reading:

[Council's Lifeline Service allows West Cheshire residents to feel safe and secure in their own home \(UK\)](#)

[NHS 24 welcomes European visitors on telehealth study trip \(UK\)](#)

[This little pendant could save your life \(UK\)](#)

[Worcestershire TeleCare - Customer Testimonials \(UK\)](#)

## Item 2 ALIP and AAL News and meetings

*(ALIP – Assisted Living Innovation Platform, AAL – Ambient Assisted Living)*

1) The Ambient Assisted Living (AAL185) [5th Call](#) for R&D proposals was announced after a slight delay on 26th January. AAL Call 5 has the revised theme name of 'ICT-based Solutions for (Self) Management of Daily Life Activities of Older Adults at Home. Any UK businesses, third sector and public sector organisations interested in partnering or leading consortia in this area are invited to forward their details to the HTMKTN for inclusion in a UK partner list that will be circulated at the AAL Call 5 launch event in Brussels during March. Keep an eye on ALIP portal for an announcement and a link to register your organization for inclusion in a UK partner list, you will be asked to include details of the relevant business and R&D activities you have been involved in. Ambient Assisted Living Call 5 [Meeting](#) is being held in Brussels on 13 March 2012. Please register before 24 February.

2) The Electronics, Sensors, Photonics and HealthTech and Medicines Knowledge Transfer Networks (KTNs) are to hold a [Meet the Clinicians](#) workshop in London on Tuesday 6th March 2012. This workshop brings together leading clinicians and sensor technology developers. It builds on the significant interest in the sensing community in addressing healthcare applications. It also draws upon the efforts and strategic objectives of the HealthTech & Medicines KTN's mapping of unmet clinical needs, involving clinicians in research and collaborative R&D with the healthcare and medicine industry.

3) HealthTech and Medicines KTN are proud to announce the third Knowledge Transfer through Partnership Annual Conference. The [conference](#) is being held jointly with the University of Strathclyde, University of Glasgow and the British Heart Foundation on 20 March 2012 in Glasgow.

4) A Franco-British business [Connected Health](#) one-day event will be held in Paris on 15 March 2012.

5) UK Trade & Investment and the China Britain Business Council are organising a 'Medical Technologies Trade Mission to China' from the 15th to 20th April 2012.

Join this mission to:

Explore opportunities in this key emerging market . Meet with potential buyers, partners and distributors . Attend the China International Medical Equipment Fair (CMEF), the largest medical equipment trade fair in Asia attracting over 60,000 visitors. The exhibition takes place in Shenzhen, near Hong Kong, and attracts over 2000 exhibitors from 21 countries

Build your China-based network:

Why China should be part of your business strategy China is undergoing major healthcare reform, is investing heavily in infrastructure, has an excellent research base and impressive capabilities in manufacturing. Guangdong region (which includes Shenzhen and Hong Kong) has the most vigorous growth in South China with GDP growth ranked No.1 in the past 30 years, and offers more practical opportunities to UK companies than elsewhere within South China.

#### The Markets:

##### *Medical devices*

The market for medical devices in 2010 was worth RMB120 billion (about £12 billion), with a 23% growth rate. Government investment promises huge potential, it is predicted that 20% of the total RMB850 billion (about £85 billion) will be invested on medical device purchasing.

##### *Assisted Living*

The market for equipment and products for the aged and the disabled including medical is showing signs of growth and potential as the Chinese population ages, and as the Chinese government provides more support for the elderly and physically challenged population.

##### *Hospital expansion*

According to the Shenzhen 12th five year plan, there are nine new hospital build projects and 8 hospital expansion ongoing in Shenzhen. The government will complete the community health centre network and encourage private investment into community health centre. Hospital beds will increase to 15,000 by 2015.

#### Further Information

UKTI website [http://www.ukti.gov.uk/pt\\_pt/export/sectors/lifesciences/event/247740.html?null](http://www.ukti.gov.uk/pt_pt/export/sectors/lifesciences/event/247740.html?null)

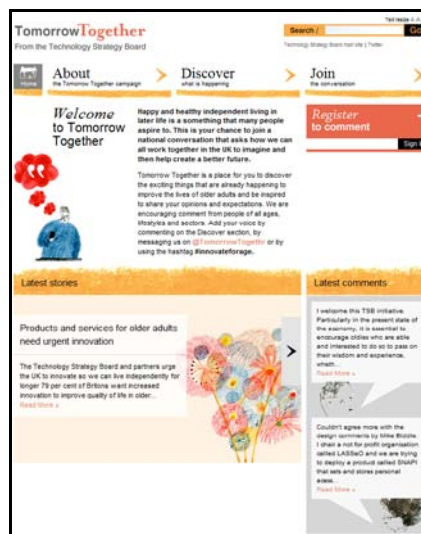
Please express your interest in this mission by contacting Emily Liang

[eliang@bcggz.com](mailto:eliang@bcggz.com) or Rhona McDonald

[rhona.mcdonald@ukti.gsi.gov.uk](mailto:rhona.mcdonald@ukti.gsi.gov.uk) or telephone: 020 7215 1164 no later than 16th March 2012.

### Item 3 Launch of 'Tomorrow Together' – new online hub

[Tomorrow Together](#) is a new campaign to spark national conversation about the future needs of older adults and why we need innovation to help people live independently in later life.





Through its Assisted Living Innovation Programme (ALIP) platform, the Technology Strategy Board works with businesses, research organisations, charities and foundations, as well as a diversity of sectors, to respond to the needs of an ageing population – in essence promoting independence by making technology better, cheaper and more desirable.

[Tomorrow Together](#) is a dedicated hub for this conversation and a place for people to discover the exciting things that are already happening to improve later life through case studies, news stories, and expert opinion. People are invited to add their voice to the debate by sharing stories or information, and by offering their opinion.

#### **Item 4a: Policy, funding and trends**

To view information on policy, funding and trends that may be of interest, click on the links below:

[£14m telecare project launched by Birmingham city council \(UK\)](#)  
[£500m funding gap leaves elderly care in crisis \(UK\)](#)  
[2012 is the European Year for Active Aging \(videos\)](#)  
[2012 The Olympic year for social care? \(UK\)](#)  
[3 Million Lives website \(UK\)](#)  
[30,000 Patients in Cornwall Could Benefit from Self Care Technology \(UK\)](#)  
[A pilot scheme for end-of-life support at home \(UK\)](#)  
[A review of telehealth in Scotland \(AC, Scotland, October 2012\)](#)  
[A thousand social care workers to transfer to NHS \(UK\)](#)  
[Adult social care funding cuts - behind Age UK's latest figures \(UK\)](#)  
[After the Future Forum's report on integrated care, what now? - The King's Fund \(UK\)](#)  
[Australia delivers broadband telehealth services](#)  
[Australia Launches Telehealth Program](#)  
[Australian Health Information Technology: What Does The Next Year or So Hold For E-Health in Australia? It Might Be Quite A Ride!](#)  
[Australian Privacy Foundation slams e-health system](#)  
[BBC News - Cross party talks on social care reform to begin this week \(UK\)](#)  
[BBC News - Hospitals told to improve productivity \(UK\)](#)  
[BBC News - NHS Cornwall in Telehealth 30,000 patient target \(UK\)](#)  
[BBC News - NHS 'facing neurology disease time bomb' \(UK\)](#)  
[Better governance key to making NHS reforms work \(UK\)](#)  
[Birmingham City Council Showcases City-Wide Telecare Programme at Telecare Service Launch \(UK\)](#)  
[British telestroke program a model for American telemedicine \(UK\)](#)  
[Care services minister officially launches Birmingham telecare \(UK\)](#)  
[Care workers to be tracked \(UK\)](#)  
[Cheap loans plan to help elderly keep independence \(UK\)](#)  
[Competition and integration | The Nuffield Trust \(UK\)](#)  
[Competitive tendering will be as important as any qualified provider \(UK - subscription required\)](#)  
[Concordat Between the Department of Health and Telehealth and Telecare Industry \(UK\)](#)  
[Consultants put on internet call in bid to improve stroke service \(UK\)](#)  
[Council's Lifeline Service allows West Cheshire residents to feel safe and secure in their own home \(UK\)](#)  
[Creating incentives for integration \(UK\)](#)  
[Creating incentives to improve quality and promote integration - The King's Fund \(UK\)](#)  
[Culture secretary threatens to remove broadband cash from councils \(UK\)](#)  
[Cumbria council defends its Careline funding axe \(UK\)](#)



[Devices hailed by Cameron languish on shelves \(UK\)](#)  
[DH adviser calls for medical training shift to primary care \(UK\)](#)  
[DH considers year-of-care tariff for patients with long term conditions \(UK - requires subscription\)\)](#)  
[Diabetes rate soars in Scotland \(UK\)](#)  
[E-Health Insider :: 3millionlives concordat signed \(UK\)](#)  
[Elderly risk losing everything, warns No 10 adviser \(UK\)](#)  
[Elderly 'struggle to cope' through lack of care cash \(UK\)](#)  
[Electronic monitoring speeds recovery and return to independent living \(UK\)](#)  
[Ernst & Young responds to results announced today showing benefits of giving high-tech equipment to patients \(UK\)](#)  
[Extra money to help people leaving hospital \(UK\)](#)  
[Extra money to help people leaving hospital \(UK\)](#)  
[First App to be Registered as Class I Medical Device in the UK \(UK\)](#)  
[Framework agreement between the Department of Health and the NHS Commissioning Board Authority \(UK\)](#)  
[From a PCT to a CIC: new era held up by legal challenge \(UK\)](#)  
[Funding boost to support vulnerable people in Trafford during winter \(UK\)](#)  
[Funding plan for NHS Commission Board published \(UK\)](#)  
[Government accepts latest report from the NHS Future Forum \(UK\)](#)  
[Government accepts new recommendations from NHS Future Forum UK](#)  
[Government outlines key elements of public health transition plans \(UK\)](#)  
[Government supports call to make summaries available at discharge \(UK\)](#)  
[Govt, industry sign telehealth Concordat \(UK\)](#)  
[GP commissioners receive £100m for extra winter services \(UK\)](#)  
[GP contract to be rewritten to promote integrated care \(UK\)](#)  
[GPs must learn US lessons over hi-tech health \(UK\)](#)  
[GPs to front lifestyle change pilot \(UK\)](#)  
[Health and social care - an unlikely merger \(UK\)](#)  
[Health and social care managers need to get back to the frontline \(UK\)](#)  
[Heart of England trust to digitise millions of patient records \(UK\)](#)  
[Help at touch of a button scheme to be expanded \(UK\)](#)  
[Hi-tech health monitor has changed pensioner Michael's life - News - Larne Times \(UK\)](#)  
[Improving health and social care in London: supporting integrated commissioning \(UK\)](#)  
[International experience highlights need for payment reform in the NHS \(UK\)](#)  
[Is the care system failing older people? \(UK\)](#)  
[Jobs at risk under telephone monitoring plan \(UK\)](#)  
[Kaiser goes mobile with 9 million strong](#)  
[Kaiser makes personal records mobile](#)  
[Kaiser Permanente offers patients Android app for EMR access](#)  
[Keep social care support system simple - don't complicate it \(UK\)](#)  
[Let's take the fear out of paying for elderly care \(UK\)](#)  
[LGA launches fund to drive £50m care efficiency programme \(UK\)](#)  
[Liberating the NHS - messages for social care \(UK\)](#)  
[London's health plans: why the need for an overhaul is urgent - The King's Fund \(UK\)](#)  
[Long-term sick to get benefit of distant monitoring \(UK\)](#)  
[Macmillan Cancer Support - More than a million](#)  
[Making an impact with Telehealth \(UK\)](#)  
[Management in Practice - Practices offered cash to refer patients to telehealth \(UK\)](#)  
[Martin McShane: Driving quality up with integration - The King's Fund \(UK\)](#)  
[Medical devices and Chinese toys share same level of safety checks \(UK\)](#)  
[Medics v managers: the need for a cultural shift \(UK\)](#)

[Minister welcomes 3millionlives approach \(UK\)](#)  
[Modern technology is life-changing \(NI - UK\)](#)  
[Modern technology is life-changing \(NI - UK\)](#)  
[Modern tragedy: Elderly care reduced to a war of numbers \(UK\)](#)  
[More than 2 million patients are being treated with remote patient monitoring](#)  
[More than a million: understanding the UK's carers of people with cancer \(UK\)](#)  
[More than half of hospital beds cut were for elderly patients \(UK\)](#)  
[MPs report wake-up call for ministers and NHS says The King's Fund \(UK\)](#)  
[National Voices: Integrated care: what do patients, service users and carers want?](#)  
[NBN to boost telehealth program - Government News: Government News and Issues](#)  
[Nearly 9 Million Kaiser Permanente Health Records Securely Available on Mobile Devices](#)  
[New Clinical Solutions 111 content set to save NHS 111 £200m \(UK\)](#)  
[New funding to aid adoption of innovative medical technologies in the NHS \(UK\)](#)  
[New home improvement service for vulnerable people \(UK\)](#)  
[New infrastructure to develop healthcare technologies and interventions for the NHS \(UK\)](#)  
[New National Telecare Service Launched Today Providing Protection for the Elderly \(UK\)](#)  
[Newcastle Council to introduce care monitors \(UK\)](#)  
[Newcastle Telecare \(UK\)](#)  
[NHS 24 welcomes European visitors on telehealth study trip \(UK\)](#)  
[NHS Alliance calls for input on NHS 111 \(UK\)](#)  
[NHS chiefs face wasted millions row over hi-tech telehealth plan \(UK\)](#)  
[NHS Cornwall to Continue Telehealth Programme \(UK\)](#)  
[NHS facing 'neurology time bomb' \(UK\)](#)  
[NHS Future Forum calls on healthcare professionals to lead way on patient-centred care \(UK\)](#)  
[NHS Future Forum public health and integration reports welcomed \(UK\)](#)  
[NHS has to pay docs to put life-sign sensors in patients' digs \(UK\)](#)  
[NHS in "information dark ages", says think tank \(UK\)](#)  
[NHS in Cornwall Organizes Telehealth Programme \(UK\)](#)  
[NHS local blog - web site \(UK\)](#)  
[NHS Mobile Working Knowledge Centre - NHS Connecting for Health \(UK\)](#)  
[NHS must focus on Nicholson Challenge and integration \(UK\)](#)  
[NHS Oldham Launches New Telehealth Scheme \(UK\)](#)  
[NHS Oldham offers telehealth to patients \(UK\)](#)  
[NHS patient privacy: time to take action for the sake of Britain's health \(UK\)](#)  
[NHS reform bill timeline \(UK\)](#)  
[NHS reforms one year on: patients and staff deal with 'cuts and chaos' \(UK\)](#)  
[NHS reforms: Lansley defends shake-up after scathing report from MPs \(UK\)](#)  
[NHS "still struggling to cope with elderly" \(UK\)](#)  
[NHS Surrey's Stroke Service Uses Polycom Video Collaboration Solutions to Save Lives Through Remote Treatment \(UK\)](#)  
[NHS Telemedicine Trial To Continue | Scilly Today \(UK\)](#)  
[NHS to get £100m cash injection to improve services \(UK\)](#)  
[NHS trust plans alternative to 'outdated hospital model' \(UK\)](#)  
[NHS Trust promises telehealth for 30,000 patients \(UK\)](#)  
[NHS Trusts create clinical network for dementia \(UK\)](#)  
[NHS: How to secure tablets for healthcare \(UK\)](#)  
[NNY £3.2m telehealth project - negative evaluation hits local headlines \(UK\)](#)  
[No cash incentives' to promote GP health systems \(From York Press\)](#)  
[No decisions about us without us? Individual healthcare rationing in a fiscal ice age | BMJ](#)  
[No funding crisis in social care, says minister \(UK\)](#)  
[No plans for telehealth in prisons \(UK\)](#)

[North Yorkshire and York PCT telehealth: cautionary tale \(UK\)](#)  
[North Yorkshire and York telehealth units underused \(UK\)](#)  
[North Yorkshire GPs paid to promote care plan \(UK\)](#)  
[Number of NHS patients missing waiting-time target soars \(UK\)](#)  
[Number of patients to be monitored by mobile networks to rise to 3m by 2016: Study](#)  
[OHE Commission on Competition in the NHS \(UK\)](#)  
[ONS measures of well-being must reflect how internet access fundamentally underpins them all \(UK\)](#)  
[Opposition to the Health and Social Care Bill: An Arab Spring for the NHS? Chris Ham - The King's Fund \(UK\)](#)  
[Overcoming Barriers to Mainstreaming Assisted Living Technology](#)  
[Panel debate: How can policy support better models of health care delivery? - The King's Fund \(UK\)](#)  
[Patients to get online access to their NHS records \(UK\)](#)  
[Paul Burstow MP writes - Want to know how we can improve three million lives? \(UK\)](#)  
[Perspective from the mHealth Summit](#)  
[Pfizer's Mark Brincat joins Exco InTouch to lead its mHealth strategy](#)  
[Preventing emergency readmissions to hospital: a scoping review \(UK\)](#)  
[Primary care funding down as drive to shift care out of hospitals stalls \(UK\)](#)  
[Promoting digital inclusion \(UK\)](#)  
[Public health transition | Department of Health \(UK\)](#)  
[Public health transition planning support for primary care trusts and local authorities : Department of Health \(UK\)](#)  
[Public service compact to revolutionise services \(UK\)](#)  
[Recession causes 2,000 heart attack deaths' \(UK\)](#)  
[Remote Monitoring Takes Off in the UK \(UK\)](#)  
[Resistance to health and social care bill 'futile' \(UK\)](#)  
[Review urges adoption of new health technology amid worries over finances \(UK\)](#)  
[Roll-out of telehealth and telecare \(UK\)](#)  
[Roll-out of telehealth and telecare to benefit three million lives \(UK\)](#)  
[Row over hi-tech telehealth initiative \(UK\)](#)  
[Royal College of General Practitioners - More anticipatory care advocated for older patients with co-morbidity \(UK\)](#)  
[Short-termism hindering efforts to meet Nicholson Challenge \(UK\)](#)  
[Should nurses be at the forefront of telehealth? \(UK\)](#)  
[Show us the evidence for telehealth - responses to article \(UK\)](#)  
[Show us the evidence for telehealth | BMJ \(UK\)](#)  
[Social care cuts causing hike in delayed discharge, warn nurses \(UK\)](#)  
[State to help elderly downsize as Government tackles housing crisis \(UK\)](#)  
[Study: Telehealth cuts patient deaths by 45% \(UK\)](#)  
[Technology News, UK News: NHS embraces new technology in delivering healthcare \(UK\)](#)  
[Telecare charging discussions this week \(UK\)](#)  
[Telecare charging plan dropped \(UK\)](#)  
[Telecare to help 25,000 people in Birmingham \(UK\)](#)  
[Telehealth failure a cautionary tale for U.S. \(UK\)](#)  
[Telehealth is not threat to district nurses, says QNI \(UK\)](#)  
[Telehealth pilots showcase the NBN - Australian Ageing Agenda: Aged Care and Retirement Industry News and Issues](#)  
[Telehealth slow to expand as culture trumps technology](#)  
[Telehealth solutions planned for COPD patients \(UK\)](#)  
[Telehealth solutions planned for COPD patients \(UK\)](#)  
[Telehealth: What the NHS Can Learn From the US Veterans Health Administration \(2020health\) \(UK\)](#)  
[Telehealth care to help 30,000 | Cornwall News \(UK\)](#)

[The consequences of abandoning the Health and Social Care Bill \(UK\)](#)  
[The perfect storm that threatens the NHS \(UK\)](#)  
[The week: issue 229 | Department of Health \(UK\)](#)  
[The week: issue 230 | Department of Health \(UK\)](#)  
[This little pendant could save your life \(UK\)](#)  
[Tunstall Supports Countrywide Approach to Transform the Lives of Three Million People with Telehealthcare \(UK\)](#)  
[Tunstall Telehealthcare Blog: NHS Cornwall plans to extend telehealth to 30,000 patients \(UK\)](#)  
[Tunstall Telehealthcare Blog: NHS Oldham Launches New Telehealth Scheme to Support Patients with Long-Term Conditions](#)  
[Tunstall's Telehealth Solutions to Help in "3millionlives" Project \(UK\)](#)  
[U.K. Report Praises U.S. Veteran Health Administration's Telehealth Program, Asks Why Adoption Remains Slow Across U.S.](#)  
[U.K. Should Learn From VA's Experiences With Telehealth, Report Says \(UK\)](#)  
[UK patients to get online access to records by 2015 \(UK\)](#)  
[UK plc to get edge from telehealth \(UK\)](#)  
[UK report says NHS should follow VA's approach to telehealth \(UK\)](#)  
[UK Report Says NHS Should Follow VA's Approach to Telehealth \(UK\)](#)  
[UK to expand telehealth to three million people \(UK\)](#)  
[VA Telehealth Lauded As Model Healthcare Program](#)  
[Veterans' home health telehealth is a big success. Why don't civilians follow?](#)  
[Video: Andrew Lansley announces public health shake-up \(UK\)](#)  
[Views wanted on guidance on joint strategic needs assessments and health and wellbeing strategies \(UK\)](#)  
[Wales proposes greater power social service users \(UK\)](#)  
[Wardens could be axed in sheltered housing - telecare references \(UK\)](#)  
[We need to move on from this polarised debate on the NHS bill \(UK\)](#)  
[When will the NHS start using email to contact patients? \(UK\)](#)  
[Where have all the NHS IT champions gone? \(UK\)](#)  
[Whole System Demonstrator \(UK\)](#)  
[Whole System Demonstrator Programme: Headline Findings \(Department of Health\) | Dementia Care News \(UK\)](#)  
[Why taking a national approach could kick-start technology adoption in the NHS \(UK - subscription required\)](#)  
[Why the NHS needs a friends and family test \(UK\)](#)  
[Will 2012 be the year when telehealth takes off? \(UK\)](#)  
[Will foundation trust reforms lead to a two-tier NHS? \(UK\)](#)  
[Wiltshire launches scheme to prolong independent living \(UK\)](#)  
[With a likely cost of £4 billion, the Health and Social Care Bill has all the hallmarks of an avoidable policy fiasco. | British Politics and Policy at LSE](#)  
[Worcestershire TeleCare - Customer Testimonials \(UK\)](#)  
[Worldwide health IT learning - reference to 2020Health report \(UK\)](#)  
[WRVS blog: Whole System Demonstrator Programme \(UK\)](#)

#### **Item 4b: Business intelligence and product development**

To view information on business intelligence and product development that may be of interest, click on the links below:

[10 Apps that Can Save a Patient's Life](#)

[10 Best Practices for Implementing Telemedicine in Hospitals](#)  
[11 healthcare data trends in 2012](#)  
[12 tips for mobile health randomised controlled trials](#)  
[2016: 3M patients monitored over cellular networks](#)  
[3 Beacon communities to kick off Txt4health](#)  
[3 ways social media is transforming the doctor-patient relationship](#)  
[5 Medical Peripherals for the iPad or iPhone](#)  
[5 must-haves for successful telehealth initiatives](#)  
[5 points concerning patient engagement and health IT](#)  
[5 steps to consider for making the most of telehealth](#)  
[5 Useful iPad Apps for Doctors, Patients and Med Students](#)  
[7 market trends for telemedicine](#)  
[87% Of Connected Consumers Prefer Websites & Mobile Sites Over Apps](#)  
[A Glucose Meter That Detects Viruses](#)  
[A Guide to iPad EMR Apps](#)  
[A reminder by text: Talk to your children to help them to gain essential speech skills](#)  
[A roving eye: Home health monitoring with robotic systems](#)  
[A Smart Phone that Knows You're Angry](#)  
[adHaler realtime inhaler monitoring](#)  
[Aetna, WellPoint, and UnitedHealth Group investing in mobile health app industry](#)  
[Aetna's dentists get iPads to help patients stop smoking](#)  
[amed news: Big insurers investing in mobile health apps](#)  
[amednews: Patients as partners in health IT](#)  
[amednews: Telemedicine boosting dermatology care](#)  
[American Well Drives Telehealth into Mainstream Healthcare - PR Newswire - sacbee.com](#)  
[An Overview of Telehealth - YouTube](#)  
[App challenge winners harness public data for cancer treatment](#)  
[App scans for skin cancer](#)  
[Archelle On Health: The Death Of Disease Management \(Finally\)](#)  
[Are apps medical devices? Part two: Apps as medical devices](#)  
[Are the self-tracking folk the next generation of hypochondriac patients?](#)  
[As Smartphones Get Smarter, You May Get Healthier: How mHealth Can Bring Cheaper Health Care To All](#)  
[Assisted Living Innovation Platform \(ALIP\) - Demonstrator Map - Open Innovation \(UK\)](#)  
[Asthma App Helps Sufferers Manage Condition](#)  
[Asthma UK - New online test highlights risk of an asthma attack](#)  
[AutoSense wearable sensors and smart phone app helping to manage health effects of stress](#)  
[Bacteria-Based Strips for Blood Glucose Monitoring](#)  
[Barriers to Telemedicine Limit Patient Access to Quality Care](#)  
[Barriers to Telemedicine Limit Patient Access to Quality Care - Telepresence Options](#)  
[Basis Wristwatch Measures Your Body Signals](#)  
[BBC News - Are apps the key to revolutionising autism learning?](#)  
[BBC News - Carers 'missing out on support', says charity \(UK\)](#)  
[BBC News - Kent iPhone app aims to improve teen sexual health \(UK\)](#)  
[BBC News - New online test tries to cut deaths from asthma attacks \(UK\)](#)  
[Beacon Communities Launch Texting Program To Assess Diabetes Risk](#)  
[Bedside Nurses' Perceptions of Intensive Care Unit Telemedicine](#)  
[Best Buy's new health experiment: Selling Aetna's wellness programs](#)  
[Big insurers investing in mobile health apps](#)  
[BMJ Group blogs: Martin McShane: Incentives to transform primary care](#)  
[Body Media partners with IBM to add machine learning to its FIT armband](#)

[Body Vital-Monitoring Mobiles - The Health Assistant Device Doubles as a Cellphone](#)  
[BodyMedia to offer disposable health tracking patch](#)  
[British Heart Foundation - BHF PocketCPR app](#)  
[Brits eager to try smart pills for med compliance, cost savings \(UK\)](#)  
[Bupa launches 24/7 GP hotline \(UK\)](#)  
[Business Models of Mobile mHealth](#)  
[CalTeleHealth's Channel - YouTube](#)  
[Can Texting Help Teenagers Quit Smoking?](#)  
[Cardiocom and Delta Health Technologies Partner to Provide Telehealth Data Interface for Homecare and Hospice](#)  
[CardioComm Solutions, Inc. Receives FDA Clearance to Market First Over-the-Counter Heart Monitoring Solution](#)  
[Care Innovations web site - text to speech](#)  
[Caregivers improve care, lower costs](#)  
[Carewell web site \(UK\)](#)  
[Catharina Hospital and Philips launch unique Dutch social media initiative focusing on the experience of a heart patient](#)  
[CDC Releases Its First iPad "App"](#)  
[Center for Medicare and Medicaid Innovation Center web site](#)  
[Cervical cancer: There's an app for that](#)  
[CES 2012 - How your iPhone might just save you from having a heart attack : Tech Digest](#)  
[CES 2012: Digital Health Summit on diabetes apps - YouTube](#)  
[CES 2012: Measure Your Blood Sugar, Wirelessly](#)  
[Chronic health conditions infographic](#)  
[Cloud Computing in Healthcare: Advantages for Telemedicine](#)  
[Cloud-based home health monitoring service works with your phone](#)  
[Collaborative Patient Care - YouTube](#)  
[Consumer Electronics Show names most innovate health products](#)  
[Consumer health devices continue to push ahead of provider technology](#)  
[Consumer-Driven Strategies Prove Successful in the Convoluted Remote Health Monitoring Market](#)  
[Could self-tracking lead to mobile hypochondria?](#)  
[Could texting patients reduce hospital readmissions?](#)  
[Current Legal Topics in mHealth](#)  
[D.C. cardiologist develops mobile app to speed diagnosis of heart attacks](#)  
[Depressed patients benefit from team model in managing numerous illnesses](#)  
[Despite wider acceptance, barriers to robotic telemedicine remain](#)  
[Diabetes mobile phone apps versus clinical guidelines for diabetes self-management](#)  
[Digital Health Summit](#)  
[Do We Need Doctors Or Algorithms?](#)  
[doc2doc forums - Motives behind telehealth - do we need more evidence?](#)  
[Docs give new meaning to 'ambulatory' care with house calls](#)  
[Doctor in your pocket...How smartphones may be able to diagnose diseases from just a drop of blood or saliva on the screen | Mail Online](#)  
[Doctor/Patient Email: Are We Really Still Having This Debate?](#)  
[Doctors go online for high-tech house calls](#)  
[Do's and Don't's of Telemedicine](#)  
[Dr. Eric Topol Foresees Consumer Electronics Fueling Revolution in Health Care](#)  
[Each month 16.9M access health info via mobiles](#)  
[Edible microchips could monitor UK patients' temperature and heart rate \(UK\)](#)  
[Educating Health Care Workers in the Balance of Technology and Humanism](#)  
[eHealth Initiative Shifts Focus to Chronic Diseases](#)

[E-Health Insider :: Clinical Solutions bids for 111 triage \(UK\)](#)  
[E-Health Insider :: Lloyds to offer smart pill service \(UK\)](#)  
[E-Health Insider :: 'Most complex' NHS 111 pilot runs in NW \(UK\)](#)  
[E-Health Insider :: Records 'needed for integrated care' \(UK\)](#)  
[E-Health Insider :: Royal Liverpool leads on case management \(UK\)](#)  
[E-Health Insider :: US finds winning cancer apps](#)  
[eHealth Review: Number of remotely monitored patients to reach 4.9 million by 2016](#)  
[Eight technologies for a healthier 2012](#)  
[Electronic alerting system improves documentation of patient problems](#)  
[Electronic Health Records and the challenge of Unstructured Data](#)  
[Enabling the long-distance house call](#)  
[Entrepreneurs try to fill gap in online medical help](#)  
[Exclusive: Safety fears spark GP call to halt NHS 111 service \(UK\)](#)  
[Expert: Telemedicine doesn't have to be expensive](#)  
[Exploring Mobile Health Consumer Trends](#)  
[EyeBrain's Device Can Now Help Diagnose and Monitor Disease Development](#)  
[FDA Approves Medtronic's Remote Diabetes Monitor - Diabetes Health](#)  
[FDA Grants IDE Nod to Innovative High Blood Pressure Device](#)  
[First and Only Meter to Look for Patterns of High and Low Blood Sugar and Alert Diabetes Patients](#)  
[Right on Screen](#)  
[First EU-Approved Mobile App](#)  
[First mobile medical app to get CE Mark in UK \(UK\)](#)  
[Fitbit debuts its Aria WiFi scale at CES](#)  
[Flagstaff hospital using remote patient monitoring](#)  
[From India, the \\$1 Doctor's 'Visit'](#)  
[Future of mHealth Dependent on Interoperability and Use of Available Technology](#)  
[Gimme My Damn Data' - the issue of cardiac monitoring data not available to patients](#)  
[Global Healthcare Services Industry to Reach US\\$3.0 Trillion by 2015](#)  
[Glooko raises \\$3.5M to connect meters to phones](#)  
[Good experiences with health monitoring via mobile phone](#)  
['Google Flu Trends' A Powerful Early Warning System For Emergency Departments](#)  
[GP health apps should be registered as devices \(UK\)](#)  
[GP-private incentive deal slashes costs by £20 per patient \(UK\)](#)  
[GPs urge ministers to rethink telehealth drive as low takeup in pilot area \(UK\)](#)  
[GPs urge ministers to rethink telehealth drive as low takeup in pilot area revealed \(UK\)](#)  
[H1N1 inspired FDA call for adverse reactions app](#)  
[Haptique jumps from selling apps to vetting them](#)  
[Haptique steps up to certify mobile health apps](#)  
[Health and wellness report predicts industry disruption as consumer and medical products converge](#)  
[Health apps already a bigger market than remote monitoring](#)  
[Health apps, devices generated \\$718M in 2011](#)  
[Health Care Is Next Frontier for Big Data](#)  
[Health IT challenge to improve care transitions for hospital-discharge patients](#)  
[Health Literacy: Helping patients help themselves](#)  
[Health Tech Today: Telemedicine for all](#)  
[Healthcare unwired: New business models delivering care anywhere](#)  
[Healthier ageing is just a click away](#)  
[Healthy Heartland's CareWire aims to provide patient engagement via text messaging](#)  
[HeartCheck Pen Handheld ECG for At-Home Cardiac Monitoring](#)  
[HELPSoS - Telecare for Senior Independent Living- Your Lifeline Anytime Anywhere](#)  
[High-tech beds to help the elderly and infirm](#)



[Home health app works with an old-fashioned phone](#)  
[Home Sweet, Connected Home](#)  
[Home truths about high blood pressure \(UK\)](#)  
[Hospitals Text Patients To Remind Them Of Upcoming Treatments](#)  
[Hospitals use remote patient monitoring to cut readmissions](#)  
[House calls are making a comeback](#)  
[How @DoctorNatasha uses social media to connect with patients and her community](#)  
[How a Car Might Help You Manage Your Health - YouTube](#)  
[How can patients drive mHealth adoption? | pharmaphorum](#)  
[How Healthcare's Embrace of Mobility has Turned Dangerous](#)  
[How is Gaming Changing the Landscape in Health Care? Part 4 | Barbara Ficarra, RN, BSN, MPA : Health in 30](#)  
[How Technology Can Help You Live a Healthier Life \[VIDEO\]](#)  
[How the C3N project is working to rewrite the medical script and empower patients](#)  
[iHealth Lab Launches Personalized Web Portal to Store Your Vitals](#)  
[iHealth Lab plans to offer iPad glucose meter](#)  
[iHealth Labs Announces iGlucometer to Better Monitor Your iHealth](#)  
[Impact of Live Interactive Tele dermatology on Diagnosis, Disease Management, and Clinical Outcomes](#)  
[Impact of Telehealth in Alaska](#)  
[In connected house, everyone is talking at once - chicagotribune.com](#)  
[Increasing Patient Volume Through Call Center Technology](#)  
[Independa Teams With LG Electronics On Elder Care](#)  
[Infographic: How social media is changing health care](#)  
[Infographic: Rise of the Digital Doctor](#)  
[Intelligent' pills set to go on market](#)  
[Internet Message Boards for Pregnancy Loss: Who's On-Line and Why?](#)  
[iPad Aids Children's Hospital with Physical Rehab and Intellectual Teaching](#)  
[iPhone app launched to reduce teenage pregnancy in Kent \(UK\)](#)  
[iPhone Pulse Oximeter: There's An App For That](#)  
[iPhone/Skype combo delivers reliable ultrasound images](#)  
[iPLATO mHealth Adds 60 Practices in Two Primary Care Trusts \(UK\)](#)  
[Is 2012 The Year Of Online Patients?](#)  
[Is Age Just a Number, or Will it Pose a Challenge to Widespread Health IT Adoption?](#)  
[Is Skype good enough for telehealth?](#)  
[Jawbone offers full refund for UP exercise tracker after widespread failure](#)  
[Juniper Research: There will be 3 million mHealth remote monitoring users by 2016](#)  
[Key factors influencing the implementation success of a home telecare application](#)  
[Kinect technology is heading to laptops](#)  
[King's Fund's Sarah Waller and the National End of Life Care Programme's Claire Henry review the need for positive environments for end-of-life patients, carers and visitors \(UK\)](#)  
[Lack of interoperability is the bane of technology adoption](#)  
[Lark Wristband Reveals the Best Lifestyle Choices For a Good Night's Sleep](#)  
[Living independently thanks to a computer](#)  
[Lloyds Pharmacies to sell Proteus smart pills, sensors \(UK\)](#)  
[Making and using visual and audio recordings of patients](#)  
[Making the Move: From Bedside to Camera-Side](#)  
[Man with defibrillator wants to know what his heart is saying](#)  
[Market for mHealth Applications Reached \\$718 Million in 2011](#)  
[Mayo TeleStroke Network Successful Despite Telemedicine Barriers](#)  
[Medical device can now help diagnose and monitor disease development in MS patients](#)

[Medical News: Diabetes Patients Get Benefit from House Calls - in Endocrinology, Diabetes](#)  
[Medtronic launches mySentry remote glucose monitor](#)  
[MedWire News - Patient Dermatology - Telemedicine could improve treatment of skin disease](#)  
[mHealth apps are hot says research2guidance](#)  
[mHealth apps help with medication adherence](#)  
[Microsoft HealthVault's Survival Uncertain With Advent of GE Joint Venture](#)  
[Microsoft Windows Phone 7 app fights malaria](#)  
[Millions now manage aging parents' care from afar](#)  
[Mind Over Matter: Patients' Perceptions of Illness Make a Difference](#)  
[MIT researchers use smart phones to monitor health](#)  
[Mobile Devices, Patient Self-monitoring and Clinical Workflow](#)  
[Mobile health app market to reach \\$392M in 2015](#)  
[Mobile health apps certification program launched by Haptique](#)  
[Mobile Health Apps Get More Personal and That Is OK With Users](#)  
[Mobile Health Apps Market Poised For Takeoff](#)  
[Mobile health centers deliver medical care to rural veterans](#)  
[Mobile Health Innovation Seeks to Improve Quality and Efficiency in the Emergency Room](#)  
[Mobile health is dead. Call it digital health every time](#)  
[Mobile health roundup](#)  
[Mobile health startup seeks to track patient satisfaction via text messaging](#)  
[Mobile health trends and challenges in 2012](#)  
[Mobile Healthcare: Simplifying Meaningful Use Requirements](#)  
[Mobile is doctor's helper as technology revolutionises medicine](#)  
[Mobile technology use by physicians on the job may increase malpractice risk](#)  
[Mobile tools help physicians, patients track medication adherence](#)  
[Mobilizing a Revolution: How Cellphones are Transforming Public Health](#)  
[More than \\$500M in mobile health investments](#)  
[More Than a 50/50 Chance, the Emergence of the e-Patient](#)  
[Most Doctors In Europe Concerned About How They Will Be Treated When They Are Old](#)  
[New 7-Day Body Monitor Patch from BodyMedia & Avery Dennison Medical Solutions Will Aid in Wellness Initiatives Including Weight Management | Digital Health Summit](#)  
[New App Monitors Your Health Stats And Interprets The Data](#)  
[New classes of devices to diet and exercise](#)  
[New diabetes, weight-loss devices only help with more data](#)  
[New mobile tool helps patients and health care providers communicate better](#)  
[New 'smart' pill tells patients when drugs dose due \(UK\)](#)  
[New, emerging health technologies take stage at Consumer Electronics Show](#)  
[NHS warns staff over tablet security risks \(UK\)](#)  
[NIHR Healthcare Technology Co-operatives competition 2012](#)  
[Nike Introduces The Fuelband And It Looks Just Like The Jawbone UP](#)  
[Nurse intervention aims to reduce readmissions](#)  
[NY students to wear electronic monitors in anti-obesity drive](#)  
[ONC: Health apps among big trends of 2012](#)  
[One World Doctor: A Remote Patient Monitoring and Educational System](#)  
[Online doctors a new reality](#)  
[Patient Access, simply transformed](#)  
[Patient Engagement From The Patient's Perspective](#)  
[Patient engagement is the holy grail of health care](#)  
[Patients log on to stay out of hospital](#)  
[Pocket doctor: how smartphones can transform health care](#)  
[Popsi Cube Launches Popsicare A Telehealth App For Blood Pressure](#)

[Positive Technology: Using Interactive Technologies to Promote Positive Functioning](#)  
[Quantified Self + Motivational Hacks = The Programmable Self](#)  
[Quantifying our lives will be a top trend of 2012](#)  
[Red Tape a Major Barrier to the Use of Telemedicine, Study Shows](#)  
[Regulation of health apps -A practical guide](#)  
[Remote patient monitoring market to hit \\$295M by 2015](#)  
[Report Sees Barriers to Robotic Telehealth Use in Medical Care Settings](#)  
[Report: mHealth app market to reach \\$392 million in 2015](#)  
[REPORT: U.S. military working to develop smart underwear](#)  
[Reports Foresee Growth in Use of Remote Health Monitoring Technology](#)  
[Researchers describe smartphone platform to monitor elderly patients with chronic conditions](#)  
[Robot, MD: Will machines replace doctors?](#)  
[Robotics can revolutionize the delivery of medical care](#)  
[Robots Invade Telemedicine](#)  
[Roche ACCU-CHEK Nano SmartView Glucometer Gets U.S. Clearance](#)  
[Roomba Maker Sets Sights On Telemedicine](#)  
[Rosina Samadani: Big Pharma Is Innovating With Social Media](#)  
[Round table participants agree fully integrated healthcare services are key if telehealth is to be successfully rolled out at scale \(UK\)](#)  
[Rural doctors reach for Skype](#)  
[Scaling Up Mobile Health](#)  
[Seven Trends that Will Shape Telemedicine](#)  
[Should pharmaceutical companies now register their own apps as medical devices? | pharmaphorum](#)  
[Should Physicians Use Email to Communicate With Patients?](#)  
[Smart Pill Contains Microchip to Monitor Patient's Medication](#)  
[smart-phone-app-to-monitor-prenatal-health](#)  
[Smartphones Helping People Stay Healthy](#)  
[Some patients are now able to read their doctor's notes following an office visit](#)  
[Sometimes solving life's problems is better by design](#)  
[Sprint, Ideal Life Unveil Remote Health Monitoring Device at CES](#)  
[States Making Progress in Tracking Diseases Electronically, but More Work Remains](#)  
[Surface Plasmonic Biochip to Detect Glucose Levels in Saliva](#)  
[Surrey GPs Predict Cost-Effective Commissioning - Docobo Ltd \(press release\) \(UK\)](#)  
[Switzerland's 'Dementiaville' designed to mirror the past](#)  
[Talk to a private GP \(UK\)](#)  
[Talkin' Telehealth](#)  
[Talking about a \(healthcare\) revolution: The digital age ushers in precision medicine](#)  
[Tech Gets Behind Mobile Health Monitoring](#)  
[Technological Overview and Assessment of Remote Monitoring in Health Care](#)  
[Technology and the Provision of Respiratory Care](#)  
[Technology can transform the quality of clinical practice \(UK - subscription required\)](#)  
[Technology Gives Special Education Students a Voice](#)  
[Technology key to growing consumerism trend in healthcare](#)  
[Telcare's new blood glucose meter connects patients with pharmacists wirelessly](#)  
[Telecom, health tech companies tie up to offer medical advice on mobile](#)  
[telehealth - Consumer-Driven Strategies Prove Successful in the Convoluted Remote Health Monitoring Market](#)  
[Telehealth - Medicare Australia](#)  
[Telehealth and mHealth: some pros and cons](#)  
[Telehealth App for Real Time Blood Pressure and Risk Factor Monitoring](#)

[Telehealth goes retail with launch of Care4 physician kiosks by HealthSpot](#)

[Telehealth Reimbursement Will Grow, Health Leaders Say - Healthcare - Mobile & Wireless - Informationweek](#)

[Telehealth success depends on a solid foundation](#)

[Telehealth Trends in the News!](#)

[Telehealth's promising global future](#)

[Telemedicine Cost Savings - How to Cut Costs Using Telemedicine](#)

[Telemedicine for Transplant Patients](#)

[Telemedicine Helps Save Lives In Rural Areas - Health News Story - KHBS NW Arkansas](#)

[Telemedicine on the rise in Northeastern Ontario](#)

[telemedicine privacy](#)

[Telemedicine Robots Give Time-Sensitive Stroke Care - Healthcare - Mobile & Wireless - Informationweek](#)

[The Advantages of Telemedical Consultation](#)

[The Big Brother Pill That Monitors Your Health](#)

[The Check-up of the Future](#)

[The Creative Destruction of Medicine by Eric Topol](#)

[The Death Of Disease Management \(Finally\)](#)

[The Design and Realization on ECG Telemonitoring Apparatus for Community Patients Based on GPRS Archive](#)

[The doctor is in \(or she's online\) - News](#)

[The Doctor Will Call You if Anything Is Wrong](#)

[The First Academic Journal on Apple's Newsstand is a Medical One](#)

[The Future of Personalized Medicine - WSJ.com](#)

[The healing power of digital technology?](#)

[The importance of the healthcare environment](#)

[The Internet is where patients go for pre-visit consultations](#)

[The Lancet Technology: January, 2012 : The Lancet](#)

[The Market For MHealth Applications Reached \\$US 718 Million In 2011](#)

[The next generation mHealth applications may just be the right prescription for EHR](#)

[The Nurse in Your Pocket](#)

[The Potentially Harmful Side Effects of Mismanaged Mobile Health](#)

[The Rise of Nimble Medicine](#)

[The rise of programmable self - O'Reilly Radar](#)

[The role of support and health communities for people living with chronic and long-term conditions - My Brain Lesion and Me](#)

[The Trouble with Treating Patients as Consumers](#)

[The use of Skype \(or VoIP\) for Medical Consultations](#)

[The use of web-based interventions to prevent excessive weight gain](#)

[The Virgen Del Rocio Hospital in seville and air products explore the benefits of telemedicine in patients with COPD \(Spanish - need to use translation\)](#)

[The Wearble Collection - transmission and Intellegent Processing of Vital Signs](#)

[The Wonders of Mobile Health](#)

[These apps, journals can help keep your family's health on track](#)

[Thinking Underwear For Warriors](#)

[Tiny Heart Monitor Keeps Your Heart in Mind](#)

[Tools and Devices - Microsoft HealthVault](#)

[Top 5 misconceptions of holding back the deployment of televideo in healthcare delivery](#)

[Touch Technology Helps Seniors Stay Connected](#)

[T-Rays Technology Could Help Develop Star Trek-Style Hand-Held Medical Scanners](#)

[Treatment for medical bills](#)

[Trip Advisor for independent living products](#)

[Tweet Your Blood Cells With New Microscope Smartphone Adapter](#)

[U of California students launch telehealth pilot for diabetes](#)

[U.S. Military developing high-tech smart<sup>2</sup> underwear for soldiers](#)

[UnitedHealth Group Announces New Strategic Partnerships with Mobile Health Technology Firms | Business Wire](#)

[UnitedHealth Group Promotes Mobile Health Apps](#)

[UnitedHealth Group Telehealth Solution @ CES 2012 - YouTube](#)

[Untreated diabetes could lead to loss of sight](#)

[Use of iPhone can improve acetabular cup orientation in total hip replacement](#)

[Use Tech to Track Your Health - Wired How-To Wiki](#)

[Using a mobile app to help chronic pain](#)

[Using Skype To Help Your Practice](#)

[Using Wireless in HF Cases](#)

[VA Expands its Fleet of Telehealth-Equipped Mobile Health Centers - iHealthBeat](#)

[Valencell's V-LINC Sensor Technology Monitors Your Health Using Your Music Player's Buds](#)

[VeriTeQ Acquisition Corporation Acquires Implantable, FDA-Cleared VeriChip Technology and Health Link Personal Health Record from PositiveID Corporation](#)

[Video consults with dermatologists aid treatment](#)

[Virtualization and mobile health care: The new patient preference](#)

[WatchMediLinkUK's Channel - YouTube](#)

[Wearing Our Computers on Our Sleeves](#)

[Web 'can help nurses fight obesity' \(UK\)](#)

[Web services seek to put health records click away for patients, care providers](#)

[West policy center to promote cost-saving healthcare technologies](#)

[West Wireless begins study of fetal monitor](#)

[West Wireless Health Institute studies Sense4Baby impact in Mexico](#)

[West Wireless launches health policy center in Washington DC](#)

[What Are Accountable-Care Organizations, and Will They Improve Health Care?](#)

[What Do Patients Really Want? Part I](#)

[What do Patients Really Want? Part II](#)

[What is Telecare? Video \(UK\)](#)

[What will it take for physicians to adopt mHealth?](#)

[While unions whinge about pensions and change, the USA shows how modern healthcare should be done \(UK\)](#)

[Why Doctors Need to Embrace Their Digital Future Now](#)

[Why patients with implantable defibrillators deserve their data](#)

[Why Physicians are Needed in Digital Health](#)

[Will Nursing Be the Next Field Disrupted by Technology?](#)

[Wirelessly enabling the long-distance house call](#)

[Withings - The Smart Baby Scale](#)

[Withings and MedHelp have formed a new partnership](#)

[World News: High-tech medical help for India's poor - thestar.com](#)

[Would You Want To See Real-Time Data from Your Implantable Pacemaker?](#)

[You cannot buy innovation](#)

[You say mobile, I say wireless, but it doesn't really matter](#)

[Zensorium Launches Blood Oxygen Level Monitor for the iPhone at CES Unveiled 2012](#)

#### **Item 4c: Research, evaluation and evidence**

To view information on research, evaluation and evidence that may be of interest, click on the links below:

[22 Oral Effects of Intensified Care for Heart Failure Patients by Telemonitoring](#)  
[A comprehensive evaluation of the impact of telemonitoring in patients with long-term conditions and social care needs: protocol for the Whole Systems Demonstrator cluster randomised trial](#)  
[A single-blind randomised controlled trial of the effects of a web-based decision aid on self-testing for cholesterol and diabetes. Study protocol.](#)  
[Association of a difference in systolic blood pressure between arms with vascular disease and mortality: a systematic review and meta-analysis : The Lancet](#)  
[BBC News - Bedford elderly care pilot scheme cuts admissions \(UK\)](#)  
[Bosch Healthcare - Telehealth Plus UK - 3 Year Study Demonstrates Benefits of Content-Driven Telehealth in Reducing Mortality and Healthcare Costs](#)  
[Branham Group Releases Report on Telehealth](#)  
[Can NHS hospitals do more with less?](#)  
[Cell Phone-Based and Internet-Based Monitoring and Evaluation of the National Antiretroviral Treatment Program During Rapid Scale-Up in Rwanda: TRACnet, 2004-2010](#)  
[Clinical outcomes after telemedicine intensive care unit implementation](#)  
[Cost effectiveness of peer support for Type 2 Diabetes](#)  
[Data from St. Jude Medical's ASSERT Implantable Device Monitoring Study Published in New England Journal of Medicine](#)  
[Denmark - Largest-ever telemedicine project launched](#)  
[Dermatology patients experience better care via telehealth](#)  
[Diabetes study shines spotlight on lifestyle interventions](#)  
[Discharging too early increases hospital readmissions, says experts \(UK\)](#)  
[Exercise may boost mood for some chronically ill](#)  
[Exercise, Talk Therapy by Phone May Help Relieve Fibromyalgia Pain](#)  
[Factors Affecting Provision of Successful Monitoring in Home Telehealth](#)  
[Health Behavior News Service - Electronic Health Records Could Improve Care for Type 2 Diabetics](#)  
[Health News - UC Davis dermatologists find telemedicine effective for patient care](#)  
[High level of medication errors in care homes reduced by electronic medication management](#)  
[Home blood pressure control is low during the critical morning hours in patients with hypertension: the SURGE observational study](#)  
[Home monitoring helps manage heart failure](#)  
[How places matter: Telecare technologies and the changing spatial dimensions of healthcare](#)  
[In 70% of cases teledermatology changes diagnosis](#)  
[Inpatient Care for People with Diabetes - The Economic Case for Change](#)  
[Integrated care for older people in Europe—latest trends and perceptions](#)  
[Inter-arm BP differences greater than 15 mmHg linked to mortality risk \(UK\)](#)  
[iPod technology for teaching patients about anticoagulation: a pilot study of mobile computer-assisted patient education](#)  
[JAMIA: Web-based diabetes mgmt tools mostly ineffective for now](#)  
[New 7 day body monitor patch - Bodymedia and Avery Dennison](#)  
[Outcomes of a Telehealth Intervention for Homebound Older Adults With Heart or Chronic Respiratory Failure: A Randomized Controlled Trial](#)  
[People with dementia have more preventable hospitalizations](#)

[Pulmonary rehabilitation for chronic obstructive pulmonary disease \(Note: important for telehealth programmes\)](#)

[Pulmonary rehabilitation for people who have been in hospital with an exacerbation of chronic obstructive pulmonary disease | Cochrane Summaries](#)

[Research data everywhere and not a drop to drink](#)

[Researchers show how frequent texters suffer emotional distress](#)

[Scaling Up Mobile Health: Elements Necessary for the Successful Scale Up of mHealth in Developing Countries | MobileActive.org](#)

[Simple COPD score could help nurses predict exacerbation severity \(UK\)](#)

[Study: For Now, Web-Based Healthcare Tools Are Mostly Ineffective](#)

[Study: ICU Nurses Value Personal Relationship With Telehealth Doctors](#)

[Study: Little patient enthusiasm for web-based health improvement tools](#)

[Study: Telehealth cuts healthcare costs, mortality rates](#)

[System for Mobile and Continuous Telemonitoring in Preventive Medicine Research of Daily Routine Take Blood Pressure in Both Arms, Study Says](#)

[Targeted Support and Telecare in Staffed Housing for People with Intellectual Disabilities: Impact on Staffing Levels and Objective Lifestyle Indicators](#)

[Telemedicine Utilization to Support the Management of the Burns Treatment Involving Patient Pathways in Both Developed and Developing Countries: A Case Study](#)

[Telemonitoring in chronic heart failure](#)

[The COPD assessment test \(CAT\): response to pulmonary rehabilitation. A multicentre, prospective study](#)

[The impact of nurse short message services and telephone follow-ups on diabetic adherence: which one is more effective?](#)

[The Influence of Self-Owned Home Blood Pressure Monitoring \(HBPM\) on Primary Care Patients With Hypertension: a Qualitative Study](#)

[Use of Telehealth for Research and Clinical Measures in Cochlear Implant Recipients: A Validation Study](#)

#### Item 4d: Long term conditions

(Note that long term conditions are also covered in other categories as policy, trends, innovations)

[Bad sleep patterns could increase diabetes risk](#)

[Lifestyle counselling can improve diabetes control](#)

[Planning care for high-risk patients reduces hospital days by half](#)

#### Item 4e: Learning and events



Evidence, innovation and adoption  
6-8 March 2012 > London, UK

**International Congress on Telehealth and Telecare**



University Medical Center  
Utrecht

Register now >

Organised in partnership by The King's Fund and the University Medical Centre Utrecht (UMC), this annual event brings together key speakers from around the world to showcase innovations and best practice in the deployment of telehealth and telecare.

Following the positive early headline findings from the UK's Whole System Demonstrator programme the UK government have indicated that telehealth and telecare technologies will be adopted by and integrated into the NHS at scale and pace.



The focus on the adoption of these technologies lies at the heart of the [International Congress on Telehealth and Telecare](#). The congress will share with you experience, ideas, research and innovations in telehealth and telecare that support people with long-term conditions and other health and social care needs.

The congress will feature a keynote address from Paul Burstow MP, Minister for Care Services, who will outline how the UK government plan to increase the use of telehealth and telecare technologies in the UK.

### Why you should attend

- Hear the latest results from the UK Whole System Demonstrator programme and learn how the UK government is planning on increasing the use of telehealth and telecare.
- Take away the latest learning from telehealth and telecare projects in Europe, North America and Asia.
- Network with over 400 international delegates and share experiences in the use of telehealth and telecare to support people with long-term health and social care needs.

**For more information and to register, visit:** [www.kingsfund.org.uk/telehealth2012](http://www.kingsfund.org.uk/telehealth2012) or call The King's Fund events team on 020 7307 2584.

### Can't attend in person?

The King's Fund is also running the congress as a **free to attend virtual event**. You can watch the plenary presentations live, visit virtual exhibition stands and network with other online attendees. For more information and to register, visit: <http://virtualtelehealth2012.kingsfund.org.uk/>

For further forthcoming learning opportunities and events that may be of interest, click on the links below:

Social Media Week , 13-17 Feb 2012, London, UK <http://socialmediaweek.org/>

Fifth International Conference on Telehealth, 15-17 Feb 2012, Innsbruck, Austria  
<http://www.iasted.org/conferences/home-765.html>

Assistive technologies for service improvement in health and social, 16-Feb-2012, Bristol, UK  
<http://assistedlivingaction.net/index.php/events/assistive-technologies-for-service-improvement-in-health-and-social/>

i4i Life Sciences Accelerator programme, 17 Feb, 6-7 March 2012, Henley, UK  
<http://www.ccf.nihr.ac.uk/i4i/Pages/i4iAcceleratorProg.aspx>

Health Innovation: Improving the Quality of Care, 21-Feb-2012, London, UK  
<http://www.insidegovernment.co.uk/health/reform-nhs/index.php>

Assisted Living conference - developing the role of housing in independent living (Northern Housing Consortium/CUHTec), 21-Feb-2012, York, UK

[http://issuu.com/northernhousingconsortium/docs/2012\\_assisted\\_living\\_ebook](http://issuu.com/northernhousingconsortium/docs/2012_assisted_living_ebook)

Developing Housing Fit for an Ageing Population, 22-Feb-2012, London, UK  
<http://www.insidegovernment.co.uk/health/housing-age/>

Telehealth, telemedicine and telecare: Introductory one-day seminar RSM, 23-Feb-2012, London, UK  
<http://www.rsm.ac.uk/academ/tec03.php>

GSMA Mobile World Congress 2012, 27 Feb - 1 Mar 2012, Barcelona, Spain  
<http://www.mobileworldcongress.com/>

Nuffield Trust: Health Policy Summit 2012, 29-Feb-2012, London, UK  
<http://www.nuffieldtrust.org.uk/summit/2012/programme>

Home Care Re-ablement Show, 01-Mar-2012, Birmingham, UK  
<http://www.pavpub.com/pdf.aspx?path=/events/428.pdf>

Meet the Clinicians- 6th March, BIS Conference Centre, 06-Mar-2012, London, UK  
<https://connect.innovateuk.org/web/healthktn/articles/-/blogs/meet-the-clinicians-6th-march-bis-conference-centre>

The Kings' Fund - International Congress on Telehealth and Telecare, 6-8 Mar 2012, London, UK  
<http://www.kingsfund.org.uk/events/international.html>

Home Care Re-ablement Show, 08-Mar-2012, Brighton, UK  
<http://www.pavpub.com/pdf.aspx?path=/events/428.pdf>

CUHTec Telecare forum - Midlands, 14-Mar-2012, Glenfield, UK  
<http://www.cuhtec.org.uk/events.php?PHPSESSID=be9f029d90bb413430d2cfc5d5b4727e>

Personal Health Budgets: implementation, efficiency and user experience, 15-Mar-2012, London, UK  
<http://www.westminsterforumprojects.co.uk/forums/event.php?eid=370>

France - Franco-British Conference on E-Health and Autonomy 2012, 15-Mar-2012, Paris, France  
[http://www.ukti.gov.uk/pt\\_pt/export/event/225760.html?null](http://www.ukti.gov.uk/pt_pt/export/event/225760.html?null)

Fast Forward - Innovation in Healthcare, 17-Mar-2012, Manchester, UK  
<http://www.fastforwardhealth.com/>

Knowledge Transfer through Partnership - Healthcare Innovation, Accelerating Commercialisation of Next Generation of Medical Devices and Clinical Procedures, 20-Mar-2012, Glasgow, UK  
<https://www.eventsforce.net/twi/frontend/reg/thome.csp?pageID=50663&eventID=235&eventID=235>

The Future Outlook for Adult Social Care Services, 20-Mar-2012, London, UK  
<http://www.insidegovernment.co.uk/health/social-care/>

Scottish Caring and Dementia Congress, 21-Mar-2012, Edinburgh, UK  
<http://www.careinfo.org/images/conferences/Scotland2012flyerlores.pdf>

Home Care Re-ablement Show, 22-Mar-2012, Cardiff, UK  
<http://www.pavpub.com/pdf.aspx?path=/events/428.pdf>

Technology with Disabled and Older People Conference (AAL), 26-28 Mar 2012, London, UK  
<http://www.aal-europe.eu/news-and-events/technology-with-disabled-and-older-people-conference-26-28-march-2011>

RCN Long Term Conditions conference and exhibition - is nursing ready for telehealth, 30-Mar-2012, London, UK  
[http://www.rcn.org.uk/newsevents/event\\_details/rcn\\_eventsms/long\\_term\\_conditions\\_2012](http://www.rcn.org.uk/newsevents/event_details/rcn_eventsms/long_term_conditions_2012)

Telehealth one-day seminar: The respiratory and circulatory systems (RSM), 30-Mar-2012, London, UK  
<http://www.rsm.ac.uk/academ/tec04.php>

Innovations and investments in healthcare, 26-27 Apr 2012, Berlin, Germany  
<http://advisorsinhealthcare.com/en/veranstaltungen/innovations-and-investment-in-healthcare-2012-2/>

Health Informatics Congress 2012, 2-3 May 2012, London, UK <http://hc2012.bcs.org/>

eHealth Week , 7-9 May 2012, Copenhagen, Denmark <http://worldofhealthit.org/2012/>

International Conference on Wearable and Implantable Body Sensor Networks , 10-12 May 2012, London, UK <http://www.bsn2012.org/>

NICE Annual Conference , 15-16 May 2012, Birmingham, UK <http://www.niceconference.org.uk/>

4th Annual Holyrood Telecare and Telehealth Conference, 15-16 May 2012, Glasgow, UK  
<http://telehealth.holyrood.com/>

The Internet of Things Conference 2012, 15 May 2012, London, UK  
<http://www.internetofthingsconference.co.uk/index.php>

Second Annual NHS Leadership and Management Summit, 23-May-2012, London, UK  
[http://www.kingsfund.org.uk/events/leadership\\_summit.html](http://www.kingsfund.org.uk/events/leadership_summit.html)

Doctors 2.0 and You, 23-24 May 2012, Paris, France <http://www.doctors20.com/>

IFA Conference on Ageing, 28 May - 1 Jun 2012, Prague, Czech Republic <http://www.ifa2012.com/>

EuroMedTech, 31 May - 1 Jun 2012, Grenoble, France <http://www.ebdgroup.com/emt/index.php>

Telehealth one-day seminar: Mental health and dementia (RSM), 01-Jun-2012, London, UK  
<http://www.rsm.ac.uk/academ/tec05.php>

UPMC International Telemedicine Symposium, 7-9 Jun 2012, Brussels, Belgium  
<http://emgprddmzvjp24457.isd.upmc.edu/aboutupmc/icsd/telemedicine/Pages/telemedicine.aspx>

Scottish Technology Showcase 2012, 12-Jun-2012, Glasgow, UK <http://www.scottish-enterprise.com/microsites/technologyshowcase.aspx>

College of Occupational Therapists 36th Annual Conferences and Exhibition, 12-14 Jun 2012, Glasgow, UK <http://www.cot.co.uk/annual-conference/annual-conference>

Alzheimer's Show, 15-16 June 2012, London, UK <http://alzheimersshow.co.uk/>

4th Future of Wireless International Conference, 26 June 2012, Cambridge, UK <http://www.cambridgewireless.co.uk/futureofwireless/default.aspx>

BSG2012@Keele: 11th - 13th July 2012, 11-13 July 2012, Keele, UK <https://www.keele-conferencemanagement.com/keele/frontend/reg/thome.csp?pageID=13016&eventID=47&eventID=47>

Telehealth and telecare, 03-Jul-2012, London, UK <http://www.westminsterforumprojects.co.uk/forums/event.php?eid=409>

#### Item 5 Other useful links

##### Dallas partnership pool

<https://ktn.innovateuk.org/web/dallas/articles/-/blogs/dallas-partnership-pool>

##### DALLAS \_Connect Sub Group

Join the Sub Group at:

<https://ktn.innovateuk.org/web/dallas>

##### Telecare Learning and Improvement Network

[www.telecarelin.org.uk](http://www.telecarelin.org.uk)

##### King's Fund web site

[http://www.kingsfund.org.uk/topics/technology\\_and\\_telecare/index.html](http://www.kingsfund.org.uk/topics/technology_and_telecare/index.html)

##### Telecare Aware – news and comments

[www.telecareaware.com](http://www.telecareaware.com)

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