



NEW LOOK for YOUR NEWSLETTER September 2011

The Technology Strategy Board is helping to plan for a future that could suit us all.

The Technology Strategy Board's vision is one where business innovation and the application of technology will enable the UK's older adults to live their lives to the fullest, where and how they want to. Our Assisted Living Innovation Platform (ALIP) – created in 2007 – set out to bring together interested parties who recognised we all need to change in order to achieve that vision. We are promoting independent living and improved quality of life by making technology better, cheaper and more desirable.

The ideal future scenario is one where we all have more independence and choice. Technology developments can help to support this but they are only part of a solution that needs to work in line with the way we live our everyday lives. Looking ahead we need to work together and share knowledge to ensure that we develop systems, services and technologies that work for the consumer and provider.

This is where technology meets sociology, design and finance to name just a few disciplines. In essence we need solutions that work for people in a form that they can easily use and most importantly, want to use.

Earlier this year we announced our Delivering Assisted Living Lifestyles At Scale (DALLAS) programme. This will establish up to five communities across the UK with a minimum of 10,000 users per site and will show how assisted living technologies and services can be used at scale to promote well-being and provide top quality health and care.

Knowledge Transfer

It remains vitally important that information continues to be shared and knowledge exchanged amongst all of the stakeholders within the health and social care space as the above agenda is brought forward. The Technology Strategy Board, via the Health Tech and Medicines KTN, is funding the circulation of this Telecare LIN newsletter for the next 18 months, enabling the important work of the DH Care Networks to continue and to further enhance links between social and healthcare service providers and business. We are also taking the opportunity to carry out a survey to see which Newsletter content is of on-going relevance to you, the readers.

<https://www.surveymonkey.com/s/telecareSurvey>

This first issue of the new KTN-Telecare LIN newsletter remains close to the original in terms of feel, layout and material content. We would greatly appreciate your time in completing a survey, the link to which is above in order to ensure the changes we make reflect the needs of you, the readers.

Your responses will help us refocus the newsletter without reducing its relevance and value.

For more information about the Assisted Living Innovation Platform please visit:

www.alip-healthktn.org

For more information about the Telecare LIN, supported by the KTN, please visit:

www.telecarelin.org.uk

David Calder, HealthTech and Medicines KTN

September 2011

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Special Note: The Royal Society of Medicine conference in London includes outcomes from the evaluation of the Whole System Demonstrator Programme (28-29 November 2011)

<http://www.rsm.ac.uk/academ/06tec01.php>

Section 1: News headlines for week commencing 5 September 2011

DH Maps and Apps website

<http://mapsandapps.dh.gov.uk/>

The NHS Direct app for Android and iPhone

NHS Direct has launched a mobile app that lets you access trusted and reliable healthcare advice from wherever you are, straight to your smartphone.

<http://www.nhsdirect.nhs.uk/apps>

Wipro-Imec launch Arise labs

Arise labs are working on vital signs necklace device and a smell sense option for mobile phones.

<http://www.livemint.com/2011/09/05221338/WiproImec-launch-Arise-labs.html?h=B>

How to make telehealth more relevant

Ron Emerson, Global Director of Healthcare, Polycom comments:

“Many government-driven telemedicine programmes fail to live a long life. It is no secret that these programmes do not have a successful business model and die after the government grants run out. However, showing value has not been straight forward”.

Emerson categorises the value that a programme needs to demonstrate into the following:

1. Patient satisfaction – do patients like the technology?
 2. Clinical efficacy – how well we can treat the patients remotely rather than face to face?
 3. Business case and sustainability – development of clear metrics to measure the project, including decreasing number of transports, reduced rate of hospitalisation and increased productivity
- <http://www.futuregov.asia/articles/2011/sep/05/how-make-telehealth-more-relevant/>

The latest hype, or a real opportunity: is mobile the new great hope for pharma?

An interesting mhealth article from a pharma perspective looks at categories, potential, barriers, opportunities for exploitation.

<http://www.pharmaphorum.com/2011/09/05/the-latest-hype-or-a-real-opportunity-is-mobile-the-new-great-hope-for-pharma/>

Making an impact with Telehealth (PA Consulting)

“One promising solution looks at re-orienting healthcare away from treatment and towards prevention. Telehealth technology has a key part to play in enabling this change by identifying and managing illnesses earlier, providing more effective care to those with chronic conditions and managing risk for vulnerable people to enable them to live independently for longer.

However, the large-scale implementation of telehealth is not happening rapidly enough to have a significant impact on the overall costs of providing care or to develop new capability and capacity. This is being exacerbated by the current economic climate which is making it even harder to secure funding for innovation”.

<http://www.paconsulting.com/our-thinking/making-an-impact-with-telehealth/>

Telemedicine in the NHS: The benefits and costs of implementing telecare services

<http://www.computerweekly.com/Articles/2011/09/05/247778/Telemedicine-in-the-NHS-The-benefits-and-costs-of-implementing-telecare.htm>

Award winning telemedicine trial for sick infants (Australia)

<http://www.uq.edu.au/news/?article=23774>

Wireless Remote Monitoring of Glucose Using a Functionalised ZnO Nanowire Arrays Based Sensor

<http://www.mdpi.com/1424-8220/11/9/8485/pdf>

Getting online for older people (NHS Choices You Tube Video)

<http://www.youtube.com/watch?v=XQ2rApvzVJc>

Stroke patients perceptions of home blood pressure monitoring: a qualitative study

http://www.mdlinx.com/nursing/news/article.cfm/3734071/ZZ6821644550261362285079/?news_id=400&newsdt=090211&subspec_id=45

Impact of Online Support for Youth With Asthma and Allergies: Pilot Study

<http://www.pediatricnursing.org/article/PIIS0882596310002320/abstract?rss=yes>

East of England Telemedicine – Lives being saved today!

<http://www.iocom.com/blog/?p=332>

Cellphones Could Help Doctors Stay Ahead Of An Epidemic

<http://ht.ly/6iUE6>

AFrame nets NIH grant for remote monitoring of elderly falls

<http://www.healthcaretechnology.com/article/29297:aframe-nets-nih-grant-for-remote-monitoring-of-elderly-falls>

ECOST Study: Remote Monitoring with Home Monitoring System a Safe Option for ICDs

<http://www.healthtechzone.com/channels/coordinated-care-management/articles/213520-ecost-study-remote-monitoring-with-home-monitoring-system.htm>

Philips Releases Remote Patient Monitor

Royal Philips Electronics have announced the global release of IntelliVue MX40, a wearable patient monitor that can be used for the monitoring of ambulatory patients and during patient transport.

<http://patientsafetyandqualityhealthcare.blogspot.com/2011/08/philips-releases-remote-patient-monitor.html>

ARMC unveils new monitoring system for moms-to-be

Anderson Regional Medical Centre is implementing AirStrip OB, an innovative patient monitoring system that delivers vital patient waveform data (including foetal heart rate and maternal contraction patterns) in virtual real-time -- directly from the hospital labour and delivery unit to a doctor's smart phone from anywhere the doctor gets a cell-phone connection.

<http://www.tmcnet.com/submit/2011/09/03/5750584.htm>

The space-age sickbay that diagnoses disease without need for tests from sight, smell and 'feel' of disease

A sickbay that uses technology to diagnose diseases ranging from stomach bugs to cancer has been unveiled at a British hospital. Devices can detect illness without the need for painful and invasive tests. They combine information about the sight, smell and 'feel' of a disease to produce a diagnosis.

<http://www.dailymail.co.uk/news/article-2032378/Space-age-sickbay-diagnoses-disease-need-tests.html#ixzz1XdSrinHZ>

Metrics to Consider when Choosing a PAN or WAN Interface for Telehealth Applications

<http://www.ecnmag.com/news/2011/08/applications/Metrics-to-Consider-when-Choosing-a-PAN-or-WAN-Interface-for-Telehealth-Applications.aspx>

Can wellness devices really improve health?

http://www.healthcareglobal.com/healthcare_technology/can-wellness-devices-really-improve-health

Cars that steer you to safety

Leading vehicle manufacturers such as Ford and Toyota are teaming up with health technology specialists to devise ways of tracking a driver's vital signs while behind the wheel. Research shows drivers with heart disease are 23 per cent more likely to be involved in a road accident than healthy motorists.

<http://www.express.co.uk/posts/view/267975/Cars-that-steer-you-to-safety>

The Havering Council gadgets saving the lives of the elderly and frail

A range of high-tech gadgets used by Havering Council are helping to save the lives of the elderly and vulnerable. A special demo room shows how more residents can now live independently at home, knowing help will be quickly at hand through a range of buzzers and sensors. Telecare can detect falls, doors opening, overflowing baths and can even remind people to take their medications, before sending alerts to a 24-hour a day call centre.

An estimated 10 lives were saved last year as a direct result of the technology. The standard package including a pendant is £4.37 per week and enhanced packages are £6 a week.

http://www.london24.com/news/education/the_havering_council_gadgets_saving_the_lives_of_the_elderly_and_frail_1_1011472

Tracking Vital Signs, Without the Wires

Examples of some of the new telehealth and mhealth innovations.

http://www.nytimes.com/2011/09/04/technology/wireless-medical-monitoring-might-untether-patients.html?_r=1

Medicine goes wireless: A paradigm shift

<http://mybroadband.co.za/news/general/32076-medicine-goes-wireless-a-paradigm-shift.html>

Telemedicine pilot could be national model for diabetes management

Small 2 year mobile health pilot in New York State.

<http://www.fiercemobilehealthcare.com/story/telemedicine-pilot-diabetes-management-has-national-implications/2011-09-02#ixzz1Xddn9Skw>

Maker of Mobile Handsets for Seniors Announces Telehealth Acquisition to Boost mHealth Services

Swedish mobile device maker Doro has announced the acquisition of Birdy Technologies, a two-person startup that provides tele-assistance services, for \$1.9M.

<http://mhealthwatch.com/maker-of-mobile-handsets-for-seniors-announces-telehealth-acquisition-to-boost-mhealth-services-17324/>

Home Telehealth Keeps Veteran Independent

Telehealth benefits a legally blind Veteran who lives alone and has several serious medical conditions. As well as collecting health data, technology helps manage medication using a reader and scheduling arrangements.

http://www.cleveland.va.gov/CLEVELAND/features/Home_Telehealth_Keeps_Veteran_Independent.asp

GP Online: GP commissioning provides 'ideal opportunity' to reform urgent care

GP Online reports that the RCGP has urged clinical commissioning groups (CCGs) to aim to create a coherent 24-hour, seven-day service with improved quality and safety and better value for the taxpayer.

[*Guidance for Commissioning Integrated Urgent and Emergency Care – A whole system approach*](#) says that primary care must be improved in order to make a 'real difference' to the urgent care system.

It said: 'It is essential that primary care is strengthened with redirected resources as well as new ways of working, for example more widespread use of telemedicine and telecare to free up capacity in the current system.'

<http://www.gponline.com/News/article/1088750/gp-commissioning-provides-ideal-opportunity-reform-urgent-care/>

Telemedicine improves treatment outcomes for diabetics

The telemedicine screenings identified 25 percent of the 611 patients in the study as having diabetic retinopathy. Over the year of the program, overall evaluation rates for diabetics rose to 20 percent, nearly double the previous rate of 10 to 12 percent, the study shows. The telemedicine method also was \$25 cheaper per patient than the traditional examination method.

<http://www.fiercemobilehealthcare.com/story/telemedicine-improves-treatment-outcomes-diabetics/2011-08-29>

2025 Tech: Everyday gadgets and gizmos in your near future

<http://www.digitaltrends.com/features/2025-tech-everyday-gadgets-and-gizmos-in-your-near-future/>

Structured telephone support or telemonitoring programmes for patients with chronic heart failure

<http://onlinelibrary.wiley.com/doi/10.1111/j.1744-1609.2011.00230.x/abstract>

Cell Phone ‘Telemonitoring’ May Help Control Blood Pressure

<http://healthomg.com/2011/08/27/cell-phone-telemonitoring-may-help-control-blood-pressure/>

DALLAS Latest - Partnership pool announced, successful applicants notified for September workshop

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

HSJ: PCTs told to provide accounts for cash transferred to councils (subscription required)

PCTs have been told to report how funding transferred to councils for integrated health and social care activities is being spent. The DH letter identifies seven categories in which it will be looking for evidence of spend – prevention services; community equipment and adaptations; telecare; crisis response services; maintaining eligibility criteria; re-ablement; and mental health.

http://www.hsj.co.uk/news/finance/pcts-told-to-provide-accounts-for-cash-transferred-to-councils/5034213.article?utm_source=twitterfeed&utm_medium=twitter

Moving mHealth innovation faster, the mHealth evidence workshop

A series of 5 minute workshops at the cutting edge of mHealth – a pdf report and some lessons learned.

<http://www.imedicalapps.com/2011/08/mhealth-evidence-workshop-productive/>

iPhone app enables wheelchair users to access the Internet through their wheelchair controls

<http://www.medtechbusiness.com/news/2011/09/From-wheelchair-to-Web>

Friending Your Doctor Online – Wellaho

A social network that doctors can prescribe to their patients: that's the idea behind a new San Diego startup called Wellaho. The company creates software to manage and support patients after they leave the hospital by bringing together different parts of a patient's support system. Doctors, family, and friends could all be part of the network, which can be customized for individual patients. The system will begin clinical trials in three large San Diego hospitals next month, with a larger rollout planned for 2012.

www.technologyreview.com/biomedicine/38456/

New Sweat Sensors for Detecting Low Blood Glucose Levels and Other Conditions

A new sweat meter developed in Norway may provide diabetics with a non-invasive way to detect low blood sugar levels. There's a noticeable change in sweat patterns when blood glucose approaches dangerously low levels. The researchers are now preparing for clinical testing of the new devices on diabetic patients.

http://medgadget.com/2011/08/new-sweat-sensors-for-detecting-low-blood-glucose-levels-and-other-conditions.html?utm_source=feedburner&utm_medium=feed&utm_campaign=Feed%3A+Medgadget+%28Medgadget%29

Accuracy and Reliability of Telemedicine for Diagnosis of Cytomegalovirus Retinitis

<http://www.ajo.com/article/PIIS0002939411004570/abstract?rss=yes>

Nuera joins new UK telehealth network

The company will be lending its NueraNET solution to Appello, a collaborative telehealth project based in Camberley that aims to improve care management and outcomes for those living at home with long-term health conditions.

<http://healthcareitnews.com/news/nuera-joins-new-uk-telehealth-network>

British Gas installs smart meters

http://www.bbc.co.uk/news/technology-14738449?utm_source=twitterfeed&utm_medium=twitter

Reuters: Heart valves and toasters: call for new EU rules

Pacemakers and electric toasters have little in common, yet in Europe the same regulatory framework covers both and a growing number of doctors think the system is no longer up to the job.

http://www.reuters.com/article/2011/08/31/us-heart-valves-idUSTRE77U4RY20110831?feedType=RSS&feedName=healthNews&utm_source=twitterfeed&utm_medium=twitter&utm_campaign=Feed%3A+reuters%2FhealthNews+%28News+%2F+US+%2F+Health+News%29

Metrics to Consider when Choosing a PAN or WAN Interface for Telehealth Applications

“The challenge rests in the need to have several wirelessly equipped devices and end equipments communicate adequately with each other. To do so, it is important that devices function with the same protocols, in order to maintain data integrity. In this article, we discuss interoperability challenges associated with wireless technologies, as well as some metrics that are used to differentiate which wireless standards are appropriate to use in certain situations”.

<http://www.ecnmag.com/news/2011/08/applications/Metrics-to-Consider-when-Choosing-a-PAN-or-WAN-Interface-for-Telehealth-Applications.aspx>

Philips Unveils a Vision for the Future of Cardiac Care at ESC 2011

<http://www.ehealthnews.eu/philips/2731-philips-unveils-a-vision-for-the-future-of-cardiac-care-at-esc-2011>

Behind the mHealth, Telehealth Boom

The global mobile healthcare application market was \$1.7 billion last year and it's expected to reach \$4.1 billion by 2014. And the global telemedicine market is expected to reach \$19.5 billion by 2014, according to two separate reports released by Infiniti Research.

<http://www.healthleadersmedia.com/content/TEC-270341/Behind-the-mHealth-Telehealth-Boom##>

IntelliVue MX40 wearable patient monitor

http://www.healthcare.philips.com/main/products/patient_monitoring/products/intellivue_mx40/index.wpd

How a broader view of emergency readmissions could reduce overall activity levels (subscription required)

http://www.hsj.co.uk/resource-centre/best-practice/referral-management-admissions-and-discharge-resources/how-a-broader-view-of-emergency-readmissions-could-reduce-overall-activity-levels/5033374.article?referrer=RSS&utm_medium=twitter&utm_source=twitterfeed

Safe Alternative To Conventional Follow Up Is Remote ICD Monitoring

The ECOST randomised trial (n=433 patients for 27 months in 43 centres in France) suggests that device management using a home monitoring system with daily telemetry in patients with implantable cardioverter defibrillators is a safe alternative to conventional monitoring and could decrease the number of inappropriate shocks.

<http://www.medicalnewstoday.com/releases/233582.php>

Nursing Times: Poor sleep raises high BP risk in men

Researchers have discovered that a lack of deep sleep can increase the risk of high blood pressure by as much as 80% over 3.4 years.

[http://www.nursingtimes.net/nursing-practice/clinical-specialisms/practice-nursing/poor-sleep-raises-high-bp-risk-in-](http://www.nursingtimes.net/nursing-practice/clinical-specialisms/practice-nursing/poor-sleep-raises-high-bp-risk-in-men/5034309.article?referrer=RSS&utm_source=twitterfeed&utm_medium=twitter&utm_campaign=Managing+Long+Term+Conditions)

[men/5034309.article?referrer=RSS&utm_source=twitterfeed&utm_medium=twitter&utm_campaign=Managing+Long+Term+Conditions](http://www.nursingtimes.net/nursing-practice/clinical-specialisms/practice-nursing/poor-sleep-raises-high-bp-risk-in-men/5034309.article?referrer=RSS&utm_source=twitterfeed&utm_medium=twitter&utm_campaign=Managing+Long+Term+Conditions)

<http://www.independent.co.uk/life-style/health-and-families/health-news/poor-sleep-poses-health-risks-2346124.html>

TeleHealth: The Doctor Will See You Now, Wherever You Are

<http://www.foxbusiness.com/personal-finance/2011/08/30/telehealth-doctor-will-see-now-wherever-are/#ixzz1WWD6CKrk>

Opticians 'should offer blood sugar checks'

Opticians should offer blood sugar checks alongside eye tests to help spot patients with undiagnosed diabetes, experts propose.

<http://www.bbc.co.uk/news/health-14717837>

SmartPill technology provides safe and effective assessment of gastrointestinal function in persons with spinal cord injury

<http://www.nature.com/sc/journal/vaop/ncurrent/full/sc201192a.html>

HEALTHeLINK to pilot diabetes telemonitoring

One hundred patients in Buffalo with diabetes have signed up for a mobile telemonitoring pilot spearheaded by HEALTHeLINK, the regional health information organization (RHIO) serving Western New York State.

<http://www.healthcareitnews.com/news/healthelink-pilot-diabetes-telemonitoring>

Technology 'failing to empower older generation'

One in 20 of the over-65s owns a smartphone, new research suggests, compared to one in four of the UK adult population. Just 11 per cent of one person households over state pensionable age had internet access at home in 2000. Now the figure stands at almost 40 per cent.

<http://www.telegraph.co.uk/technology/news/8731365/Technology-failing-to-empower-older-generation.html>

NHS backs online consultations

Patients will be able to hold online consultations with doctors as part of plans to technologically revolutionise the health service, according to the medical director of the NHS.

<http://www.independent.co.uk/life-style/health-and-families/health-news/nhs-backs-online-consultations-2345710.html>

Mayo study shows value of social media in clinical research

<http://www.fiercehealthit.com/story/mayo-study-shows-value-social-media-clinical-research/2011-08-30#ixzz1WdoloOyD>

Yale medical school switching to iPad curriculum, Harvard medical school creating custom apps
<http://www.imedicalapps.com/2011/08/yale-medical-school-ipad-harvard-medical-apps/>

Trale offers employee health risk assessment iPad app

MyBioCheck is an iPad app that collects and analyzes biometric data from employer-sponsored health risk assessments. MyBioCheck compares cholesterol, blood pressure, weight and other readings against established norms to produce health report cards for individuals and, using aggregate data only, for employers.

<http://mobihealthnews.com/12979/trale-offers-employee-health-risk-assessment-ipad-app/>

BBC: Microchip monitors tumour growth

Researchers in Germany have developed a microchip sensor that can be implanted close to a tumour to monitor its growth. The device tracks oxygen levels in nearby tissue to detect if a tumour is expanding. Results are then transmitted wirelessly to a patient's doctor - reducing the need for frequent hospital scans. Future designs will include a medication pump that can deliver drugs directly to the affected area.

http://www.bbc.co.uk/news/technology-14728716?utm_source=twitterfeed&utm_medium=twitter

10 questions for valuing a new mobile app

http://www.hospitalimpact.org/index.php/2011/08/30/10_questions_for_valuing_a_new_mobile_app

London GP looks at the widely reported idea from NHS Med Director of video consults - 'The doctor will Skype you now'

<http://abetternhs.wordpress.com/2011/08/30/the-doctor-will-skype-you-now/>

George MacGinnis podcast - '#telemedicine will empower people to manage their own health & wellness'

<http://www.apexrx.com/blog/expert-interviews/george-macginnis>

Philips introduces wearable monitor for ambulatory hospital patients

<http://healthcareitnews.com/news/phillips-introduces-wearable-monitor-ambulatory-hospital-patients>

Comprehensive presentation on HF telehealth from ESC2011

<http://assets.escardio.org/webcasts/default.aspx?id=ESC2011/1243>

The US healthcare system changing before our eyes

http://www.deloitte.com/view/en_US/us/Insights/Browse-by-Content-Type/deloitte-review/569ce7439cc41310VgnVCM1000001a56f00aRCRD.htm?id=us_twitter_OK_83011

Trial shows medical app reduces errors in emergency situations

<http://www.imedicalapps.com/2011/08/study-finds-medical-students-smartphones-faster-accurate-physicians-traditional-references/>

System which alerts healthcare staff on patient admission shortlisted for a national award

<http://www.plymouthhospitals.nhs.uk/ourorganisation/newsandpublications/pressreleases/Pages/Hospitalpatientalertsystmshortlistedfornationalaward.aspx>

Section 2: News headlines for week commencing 12 September 2011

DH Maps and Apps website – have you voted for your favourite app idea?

<http://mapsandapps.dh.gov.uk/>

North West telehealth pilot cuts emergency admissions by 30%

The Halton and St Helens Division of Bridgewater Community Health Services has published results of a 12-month telehealth pilot project run in conjunction with Tunstall and Sefton Careline. The results covering 104 patients show that the number of emergency hospital admissions was reduced by 30%. Patients also gave the scheme positive feedback, with 85% believing it led to a greater understanding of their condition, and 79% reporting increased satisfaction as a result of improved health management. In addition, community matrons revealed the number of home visits they made was reduced, enabling them to better prioritise their workload.

<http://www.hesmagazine.com/show.php?page=story&id=2373&story=2373>

Molly Coye of UCLA Discusses Innovative Ways To Improve the Value of Health Care Services,

Molly Coye (chief innovation officer of UCLA) discusses the US health system's efforts to improve the value of the health services it delivers. This includes a VA initiative that leverages remote monitoring devices and behavioral support to provide care for veterans with multiple chronic conditions.

“So we know very well from the Veterans Administration, for example, that you can care for people with chronic conditions -- and the Veterans Administration does this for individuals with more than 30 different chronic conditions, including behavioral health -- we can care for them very well in the community, in their homes, in their living setting with remote monitoring devices and behavioral support and behavioral coaching and really drastically reduce the need for primary care visits, for emergency room visits, for SNF days, for hospital stays”.

<http://www.californiahealthline.org/special-reports/2011/molly-coye-of-ucla-discusses-innovative-ways-to-improve-the-value-of-health-care-services.aspx#ixzz1XesPcTW5>

MU researchers use gaming technology for elder care

Researchers at the University of Missouri have found two devices used for video gaming and security systems are effective in detecting the early onset of illness and fall risk in older people. Both systems can alert care providers when necessary.

-Microsoft Kinect - motion-sensing camera to monitor behavior and routine changes in patients can indicate increased risk for falls or early symptoms of illnesses.

-A fall detection system using Doppler radar to recognise changes in walking, bending and other movements that may indicate a heightened risk for falls.

<http://healthcareitnews.com/news/mu-researchers-use-gaming-technology-elder-care>

'Strong popularity' of social media seen at US providers

Seventy-five percent of individuals working at U.S. healthcare provider institutions use social media for professional purposes, according to a new survey.

<http://www.healthcareitnews.com/news/strong-popularity-social-media-seen-us-providers>

Health Care IT Departments Must Adopt Mobile Strategies

IT departments at health care organisations need a strategy to support mobile health activities, according to a new report.

Interesting points:

- More than 17,000 health care apps are available for smartphones
- 81 percent of physicians now use smartphones
- Features such as cameras, GPS, video and wireless technology such as Bluetooth can give a boost to health care
- Mobile devices allow for telemedicine sessions between doctors and patients, particularly when they're unable to travel or live in remote, rural areas
- Doctors are implementing mobile devices to monitor vital signs and chronic conditions such as high blood pressure/diabetes
- Mobile technology can be used for diagnostic testing, ordering medication refills
- GPS technology in phones can be used for tracking when and where people use asthma inhalers

<http://www.eweek.com/c/a/Health-Care-IT/Health-Care-IT-Departments-Must-Adopt-Mobile-Strategies-CSC-517178/>

A statewide telepsychiatry initiative in South Carolina is changing the way that emergency psychiatric patients are treated, and preliminary results are encouraging

The program across 22 hospitals uses telecommunication and information technologies to connect patients in need of urgent care with psychiatrists who can diagnose and prescribe immediate treatment. A typical telepsychiatric consultation takes about 30 – 45 minutes via video conferencing.

Study results show:

- > 80% of patients responded they were satisfied with the process and services that they received
- 84.1 % of ER staff and physicians said telepsychiatry improved patient care; 90.9% reported that they were satisfied with the procedures, and 84.3% said they were satisfied with the technology
- Length of hospital stays were reduced
- 84.7% of patients followed up with treatment plan within 30 days, and 87.2% followed up within 90 days.
- More than 7,500 patients have been treated since the project was implemented in March 2009.

<http://medicalxpress.com/news/2011-09-telepsychiatry-results.html>

Future home: Robocleaners, tweeting appliances

This article covers a range of interconnected home devices some of which have built in sensors.

<http://www.usatoday.com/tech/products/story/2011-09-11/robocleaners-tweeting-appliances-future-home-technology/50342090/1?csp=34tech&dlvrit=279559>

AFrame nabs NIH fall prevention grant

AFrame's MobileCare platform is a watch-like device that wirelessly transmits a users' motion and location data, including activity, weight, blood pressure, pulse, oxygenation levels and more, to

cloud-based monitoring and alerting resources.

<http://mobihealthnews.com/12833/aframe-nabs-nih-fall-prevention-grant/>

Technology helps sick rural kids (Australia)

The hi-tech equipment at a Brisbane hospital enables specialists to remotely monitor a patient's condition in real time using audiovisual links.

<http://www.frasercoastchronicle.com.au/story/2011/09/12/telemedicine-can-help-sick-kids-in-rural-areas/>

Centenarians star as alarm marks its birthday (Adur Alarm Service)

Adur (Sussex) alarm service which has helped save countless lives over the years has celebrated its 25th birthday.

http://www.shorehamherald.co.uk/news/centenarians_star_as_alarm_marks_its_birthday_1_3034512

The role of telecare in supporting carers of older people in Ireland

<http://www.cardi.ie/publications/theroleoftelecareinsupportingcarersofolderpeople>

Chester and District Housing Trust receives prestigious award

Chester and District Housing Trust has been awarded the prestigious ISO9001 certificate.

<http://www.ellesmereportpioneer.co.uk/ellesmere-port-news/business-news/2011/09/07/chester-and-district-housing-trust-receives-prestigious-award-55940-29373448/>

Smart Phones Help Manage Chronic Illness

“Majority of apps make it easier to record health metrics – unclear if they improve health behaviour”.

“The majority of these apps merely make it easier for patients to record health measures, such as weight or blood pressure. It's unclear if they actually significantly improve health behavior. In this report apps interface wirelessly with medical devices—including a blood-pressure monitor and a blood-sugar monitor—and offer suggestions based on the readings. They found that people using the programs lowered their blood pressure and were more vigilant about monitoring and testing their blood sugar”.

<http://www.technologyreview.com/biomedicine/38524/#.Tme1LhiDfCl.twitter>

RCGP: Improving the lives of patients with long term conditions

Care Planning – Improving the Lives of People with Long Term Conditions focuses on people with long term physical health problems and provides guidance to help GPs and their teams better support such patients in gaining more control over their health and improving the quality of their lives. People with LTCs account for more than 50% of all general practice appointments, 65% of outpatient appointments and over 70% of inpatient bed days, amounting to 70% of the total health and social care spend in England.

http://www.rcgp.org.uk//news/press_releases_and_statements/care_planning_sept_2011.aspx

Electronic Medical Records Might Boost Diabetes Care

New research suggests that using electronic medical records instead of paper files could greatly improve care for diabetic patients by boosting communication. The research doesn't prove that electronic records directly improved patient care; other factors could explain the difference.

<http://www.doctorslounge.com/index.php/news/hd/22746>

Lives saved by project (Louth Telehealth)

A recent conference heard that a telehealth project which was trialed in advanced senior research facilities in Louth, has already saved two lives due to early detection of strokes. 30 people in the county will have their houses fitted with interactive touchscreens which will allow seniors with acute conditions to be monitored interactively in their own homes via bluetooth technology. The Home Sweet Home product trial, which begins this month, will see participants learn to self-manage their own vital signs, and constantly interact with the technology via answering questions, surveys and playing mind-training games.

http://www.dundalkdemocrat.ie/news/lives_saved_by_project_1_3033812

KC's Home Health Care Implements the ExpressMD(TM) Remote Monitoring Solution to Improve Condition Outcomes for Patients With Chronic Illnesses

<http://www.marketwatch.com/story/kcs-home-health-care-implements-the-expressmdtm-remote-monitoring-solution-to-improve-condition-outcomes-for-patients-with-chronic-illnesses-2011-09-08>

Health Care Providers Tapping Mobile Health Tools To Reduce Costs

<http://www.ihealthbeat.org/articles/2011/9/7/health-care-providers-tapping-mobile-health-tools-to-reduce-costs.aspx#ixzz1XfugbB6X>

Medtronic must take advantage of 'highly mobile' world

Use of apps to support cardiac implanted devices and other health monitoring.

<http://www.medicitynews.com/2011/09/omar-ishrak-medtronic-must-take-advantage-of-highly-mobile-world/>

HHS updating regulations to fit new tech (US)

The US Health and Human Services Department is updating regulations to deal with new technologies such as telemedicine. In the past hospitals had to individually credential each doctor providing telemedicine service from a remote location. Now Medicare will permit telemedicine with a provider credentialed at a distant hospital as long as the distant facility participates in Medicare and there is a written telemedicine agreement in place between the hospitals.

<http://fcw.com/articles/2011/09/08/hhs-updating-regulations-to-fit-new-tech.aspx>

Lancashire and Cumbria hospitals are to enable doctors to assess stroke victims who need rapid treatment using high-definition video conferencing

Lancashire and Cumbria NHS primary care trusts have signed Virgin Media Business to provide a high-speed fibre optic network at an estimated set-up cost of £250,000. The network will enable specialist doctors to use video-conferencing from their homes to assess out-of-hours patients directly. Through the telemedicine project, doctors will assess stroke victims in hospitals remotely, to decide if they need a treatment known as thrombolysis.

<http://www.computerweekly.com/Articles/2011/09/08/247840/Doctors-use-HD-video-conferencing-in-rapid-remote-treatment-for-stroke.htm>

Remote Control, With a Wave of a Hand

Scientists at Microsoft Research and the University of Washington have come up with a new system that uses the human body as an antenna. The technology could one day be used to turn on lights, buy a ticket at a train station kiosk, or interact with a world of other computer applications. And no

elaborate instruments would be required.

http://www.nytimes.com/2011/09/11/business/using-gestures-to-control-electronic-devices.html?_r=1

4 Best interactive mirrors that monitor health

<http://www.gizmowatch.com/entry/4-interactive-mirrors-monitor-health/>

Health providers go social, and most are keen to connect with patients online for monitoring and group consults

<http://healthpopuli.com/2011/09/09/health-providers-go-social-and-most-are-keen-to-connect-with-patients-online-for-monitoring-and-group-consults/>

Medical App Explosion: TR's picks

6 promising smartphone medical apps - sleep, radiology, diabetes, stethoscope, health record, heart rate

<http://www.technologyreview.com/business/38479/page1/#photo>

Does Telemonitoring For Chronic Illness Work? The Emerging Body of Literature Says Yes.

<http://diseasemanagementcareblog.blogspot.com/2011/09/does-telemonitoring-for-chronic-illness.html>

New Publication on Centers for Medicare and Medicaid Services (CMS) Demonstration Link Remote Patient Monitoring to Reduced Costs and Mortality

“The Health Buddy Program was associated with spending reductions of approximately 7.7% to 13.3% percent (\$312–\$542) per intervention patient per quarter over the two-year period studied”

<http://www.marketwatch.com/story/new-publication-on-centers-for-medicare-and-medicaid-services-cms-demonstration-link-remote-patient-monitoring-to-reduced-costs-and-mortality-2011-09-12>

Integrated Telehealth And Care Management Program For Medicare Beneficiaries With Chronic Disease Linked To Savings

<http://content.healthaffairs.org/content/30/9/1689.abstract>

Future Outlook: Designing & Living in Smart Cities

<http://www.electronicnews.com.au/news/future-outlook--designing---living-in-smart-cities>

Merging Social Media with Healthcare (You Tube video)

<http://www.youtube.com/watch?v=cTLrS3Pb0Fo>

Telemedicine to augment the patient encounter

<http://www.kevinmd.com/blog/2011/09/telemedicine-augment-patient-encounter.html>

Effectiveness of slimming clubs tested

Recent research on Weightwatchers option versus GP services for weight reduction.

<http://www.nhs.uk/news/2011/09September/Pages/weight-watchers-weight-loss-trialled.aspx>

SE Essex develops EPR for COPD patients

NHS South East Essex has created a shared electronic patient record across primary, secondary and community care for patients with COPD.

<http://www.ehi.co.uk/news/acute-care/7152/se-essex-develops-epr-for-copd-patients>

Smart Phones Help Manage Chronic Illness

In a yearlong clinical trial with 110 patients with diabetic hypertension, some patients used an app and a home blood-pressure monitor, while others used only a monitor. Those who used the app had a drop in systolic blood pressure of 10 millimeters of mercury, on average, which would reduce the risk of cardiac events by about 25 percent. Those who used just the conventional pressure monitor saw no reduction in blood pressure.

<http://www.technologyreview.com/biomedicine/38524/#.Tme1LhiDfCI.twitter>

Telemedicine Technology Links Rural Arizona to Concussion Care at Mayo Clinic

<http://www.mayoclinic.org/news2011-sct/6427.html>

Connected health and the doctor patient relationship - Joseph Kvedar

"Patients live with their illness all day long, 365 days a year, and if they are careful observers, they can provide infinitely more detail about their illness than can be recorded in an annual visit to the doctor. Providers are realizing the power of staying connected to their patients once they leave the medical setting, being able to monitor their vital signs in real time. Patients are more motivated than ever before to get involved in their care, and are empowered by the personalized information they can receive and comforted to know that their healthcare providers are watching".

<http://www.healthcareitnews.com/news/connected-health-and-doctor-patient-relationship>

CJPS Inks Major Contract For VitalPoint Remote Patient Monitors

CJPS Healthcare Supplies & Equipment Thursday announced a new agreement to provide 33,000 units of its remote patient monitor VitalPoint to groups of visiting physicians in the United States. CJPS said the contract was worth more than \$100 million.

<http://detroit.cbslocal.com/2011/09/08/cjps-inks-major-contract-for-vitalpoint-remote-patient-monitors/>

Patients see pitfalls in paperless health records (Australia)

<http://www.theaustralian.com.au/national-affairs/health-of-the-nation/patients-see-pitfalls-in-paperless-health-records/story-fn9iqmqf-1226132670477>

Do EHRs Improve Clinical Outcomes? An Objective View

In a study of 27000 people with diabetes, those with EHRs had lower hba1c, BP, LDL cholesterol, less likely to smoke.

<http://www.informationweek.com/news/healthcare/EMR/231601081>

Continuous monitoring versus HOLTER ECG for detection of atrial fibrillation in patients with stroke

<http://onlinelibrary.wiley.com/doi/10.1111/j.1468-1331.2011.03519.x/abstract>

Wellness apps from GP and Medhelp

GE/MedHelp wellness apps available - exercise (new), sleep, pregnancy, diet, weight loss, calories

<http://newsroom.gehealthcare.com/articles/getting-fit-wellness-apps-from-ge-and-medhelp/>

RCN Scotland: more e-health investment needed

Scotland eHealth strategy 2011 to 2017 published.

http://www.nursinginpractice.com/article/26813/RCN_Scotland%3A_more_e-health_investment_needed

<http://www.scotland.gov.uk/Publications/2011/09/09103110/0>

Qualcomm launches ECG smartphone program in China

Qualcomm has partnered with Life Care Networks and the Community Health Association of China to launch a mobile health project in underserved communities in China to provide prevention services and care services for cardiovascular diseases. The project will use smartphones that have built-in ECG sensors, EMRs, and cellular-enabled workstations at the health clinics.

<http://mobihealthnews.com/13092/qualcomm-launches-ecg-smartphone-program-in-china/>

US largest mhealth service text4baby hits 225,000 users with Government support

<http://t.co/gKBv7zi>

HHS, AT&T and AADE launch mHealth Initiative

The Department of Health and Human Services' (HHS), the American Association of Diabetes Educators (AADE) and AT&T have announced an mhealth initiative using smartphones to deliver diabetes self-management training.

<http://healthcareitnews.com/news/hhs-att-and-aade-launch-mhealth-initiative>

New iPhone app helps doctors

The app allows doctors to access reports on scans and X-rays as soon as they have been completed by the specialist.

<http://www.news-mail.com.au/story/2011/09/10/phone-industry-a/>

Section 3: News headlines for week commencing 19 September 2011

Telegraph: £5bn more to bail out failing NHS hospitals unless radical action taken (telehealth references)

Prof Paul Corrigan says that up to 40 trusts do not have enough money to succeed and so must either change the way they operate, close down or ask to be rescued by the Government.

"hospitals need to develop new models where they either specialise in diagnosing patients or treating them rather than trying to do everything. Meanwhile more patients need to be treated in the community or at home using new technology rather than being kept in expensive wards, particularly as the NHS comes under unprecedented financial pressure. Currently hospitals need to find "more sick people to secure more resources" and they are not geared up to look after patients with long-term conditions, such as diabetes, even though they take up 70 per cent of the NHS's resources".

<http://www.telegraph.co.uk/health/healthnews/8763194/5bn-more-to-bail-out-failing-NHS-hospitals-unless-radical-action-taken.html>

How to Get Your Medical Device into the Apple Store

<http://www.technologyreview.com/business/38571/>

JiffPad Creates Personalized Medical Diagrams Via iPad

<http://techcrunch.com/2011/09/13/jiffpad-creates-personalized-medical-diagrams-via-ipad/>

Medical devices for world's poorest on show

<http://www.bbc.co.uk/news/health-14902877>

Open to suggestions: can the National Programme for IT be saved by open source software? (Nuffield Trust)

<http://www.nuffieldtrust.org.uk/blog/open-suggestions-can-national-programme-it-be-saved-open-source-software>

Apps for What Ails You

Interesting quotes:

"Health really happens in between doctor's visits, we now have these always-on connections, rich interfaces, mobile devices, and people who are willing to share. All that creates a substrate on top of which you can create designs and interfaces to change behaviour."

"Health apps have yet to reach the people who really need them. Most existing apps, such as those that track sleep or workouts, are "wellness" tools that attract people who already take a close interest in optimising their health, rather than not-so-healthy people who must manage chronic diseases".

"Using apps to encourage healthy behaviors could be particularly valuable as the population ages and more people develop chronic conditions that require active management, such as diabetes".

<http://www.technologyreview.com/business/38553/?p1=BI>

Independence Blue Cross adds mobile access to health plans

Independence Blue Cross is joining the growing number of health insurers that have launched a mobile app for members to manage their health plans on mobile devices. IBX Mobile gives members immediate access to their web portal allowing them to access the personal health record, locate a healthcare provider, confirm specialist referrals and manage health savings accounts,

<http://mobilehealthwatch.com/blog/independence-blue-cross-adds-mobile-access-health-plans>

From No Doctor to E-Doctors in Rural India

For one dollar, residents who cycle to a new health clinic can get an appointment with a physician appearing on a large screen television via broadband.

<http://www.technologyreview.com/business/38482/>

iPhone in health monitoring by Medtronic

In June, Medtronic launched its first mobile app that would work with cardiac implanted devices.

The free app allows physicians who are authorized to use the company's remote monitoring CareLink Network to get the same information on their iPhone, iPad or iPod Touch.

<http://www.knowabouthealth.com/iphone-in-health-monitoring-by-medtronic/8289/>

Empowering clinicians and managers with patient-level information and costing

Service line reporting (SLR) and patient level costing (PLC) discussed.

http://www.healthtechwire.com/The-Industry-s-News-unb.146+M5d00e20cf79.0.html?utm_source=twitterfeed&utm_medium=twitter

Why mHealth is the Holy Grail of participatory medicine (US)

Five points discussed:

1. Increasing shortage of primary care physicians and specialists, coupled with healthcare reforms aimed at increasing access to care, will make face-to-face care more difficult
2. Obesity is now the biggest threat to the health of western countries

3. Cost of healthcare as a percentage of total national budget
4. Shift of hospital and provider reimbursement to outcomes-measured goals requires patient participation
5. Advent of more widespread use of electronic health records (EHRs)

<http://www.medtechbusiness.com/blogs/2011/09/Why-mHealth-is-the-Holy-Grail-of-participatory-medicine>

Do patients want apps to remind them to stay compliant?

“ Pinch Media reports that only 30 percent of iPhone apps are used beyond the day they are downloaded or purchased, and after 20 days that number plummets to around five percent”.

“Research has shown that people with certain healthcare conditions do not like to be ‘reminded’ that they are sick by applications that pop up and tell them to stay compliant and take their medication.

<http://worldofdtcmarketing.com/do-patients-want-apps-to-remind-to-stay-compliant/mobile-healthcare-marketing/>

The cost-effectiveness of telestroke in the treatment of acute ischemic stroke

In this study, when a lifetime perspective is taken, telestroke appears cost-effective compared to usual care, since telestroke costs are upfront but benefits of improved stroke care are lifelong.

<http://www.neurology.org/content/early/2011/09/14/WNL.0b013e318234332d.abstract?sid=9a250897-5bc8-4077-893f-1745727ac961>

A Skeptic Takes on Mobile Health

Armed with a recent study, Yale researchers say that claims for the technology have gotten well ahead of the evidence that it works.

“As it stands now, remote health monitoring is a battleground for dueling studies, with each side able to point to articles supporting its point of view”.

http://www.technologyreview.com/read_article.aspx?id=38483&a=f

Mobile phones offer heart lifeline

<http://medicalxpress.com/news/2011-09-mobile-heart-lifeline.html>

AT&T Names Doctor To Lead Healthcare Expansion

Geeta Nayyar becomes the telecom's first chief medical information officer, charged with increasing its \$5 billion business with new mobile health, telehealth, and cloud services.

<http://www.informationweek.com/news/healthcare/leadership/231601555>

Via Twitter

nhscalderdale: Which NHS community based services would you like to have more choice in? Take the Any Qualified Provider survey: <http://t.co/IPJFDi38>

Choice in NHS services: Any Qualified provider (AQP) – PCTs need to identify services from first group by Oct 2011 for 2012 <http://bit.ly/q2VAwn>

Apple helps MDs cut thru medical apps clutter

Apple has added a new area of its AppStore for healthcare professionals. The collection has six categories:

- Reference Apps
- Education Apps
- EMR & Patient Monitoring Apps
- Imaging Apps
- Point of Care Apps
- Personal Care Apps

<http://mobihealthnews.com/13254/apple-helps-mds-cut-thru-medical-apps-clutter/>

Teladoc closes \$18.6 million led by Kleiner

Teladoc has announced a round of funding totalling \$18.6 million. Teladoc offers consumers remote consultations (phone/video) with licensed physicians for routine medical issues. According to Teladoc, a consultation request is answered, on average, in 22 minutes, and averages \$38 or less per session.

<http://mobihealthnews.com/13184/teladoc-closes-18-6-million-led-by-kleiner/>

HSJ: Giving dementia the attention and support it needs - and deserves (subscription required)

"There is a 24 fold variation among primary care trusts in the rate of identification of patients with dementia, and Britain has half the rate of diagnosis of France, Ireland, and Spain".

<http://www.hsj.co.uk/news/primary-care/giving-dementia-the-attention-and-support-it-needs-and-deserves/5034819.article>

Performing Eye exams with the iPhone

<http://www.imedicalapps.com/2011/09/eye-exams-iphone/>

Medfolio pill organiser

Pill organiser links to computer for scheduling alerts.

<http://www.medfoliopillbox.com/>

Mobile Startups Push Health at Demo (apps ideas)

http://www.pcworld.com/businesscenter/article/240139/mobile_startups_push_health_at_demo.html

Mobile phones used to open records - and doors - in healthcare

<http://www.healthcareitnews.com/news/mobile-phones-used-open-records-and-doors-healthcare>

Report: Telehealth Can Be Cost Effective for Rural Stroke Patients

Researchers determined the cost effectiveness of using telehealth for stroke care, or "telestroke" care, by comparing data on stroke patients who were treated with telehealth tools with information on patients who received usual rural stroke care.

If barriers such as high equipment costs and low reimbursement for telehealth are addressed, the technology "has the potential to diminish the striking geographic disparities of acute stroke care in the U.S."

<http://www.ihealthbeat.org/articles/2011/9/16/report-telehealth-can-be-cost-effective-for-rural-stroke-patients.aspx#ixzz1YFCrIY9v>

The digital doctor will see you now...

Intelligent smartphones to chip-embedded antibiotics and wireless patches – the future?

<http://www.pcpro.co.uk/features/369997/the-digital-doctor-will-see-you-now#ixzz1YFDKjM4U>

US Federal Health IT Strategic Plan 2011-2015

The plan includes references to telehealth, remote monitoring and mobile health.

<http://web.mediact.com/onc-emerg/FINAL-Federal-Health-IT-Strategic-Plan-0911.pdf>

Medicine 2.0 Conference Programme (#med2)

Follow #med2 on Twitter.

<http://www.medicine20congress.com/ocs/index.php/med/med2011/schedConf/program>

Online doctors are just a click away (US)

<http://www.detnews.com/article/20110917/LIFESTYLE03/109170350/1040/Online-doctors-are-just-a-click-away>

BL Healthcare remote monitoring, part 1 (video)

http://www.youtube.com/watch?v=4yhW_tcEXIA&feature=related

BL Healthcare remote monitoring, part 2 (video)

<http://www.youtube.com/watch?v=5L-52tIxe2I>

Time Warner Cable tests suite of telehealth offerings in Maine

<http://healthcareitnews.com/news/time-warner-cable-tests-suite-telehealth-offerings-maine>

MedicalApps4u

Med apps useful for physicians.

<http://medicalapps4u.com>

Spain: University Hospital In Madrid Applies Telemedicine In Geriatrics Research

12 telemedicine devices have been distributed among participating HF patients. The devices are connected to mobile phones (wireless) and every 48 hours, they measure variables such as oxygen saturation, glucose, blood pressure, electrocardiograms, respiratory rate, speed of walking, the time required for the patient to stand up from a chair, as well as the patient's weight and temperature. Patients answer a questionnaire to assess basic aspects of their health and its evolution. Data is analysed and appropriate action taken. 40 patients have already participated, and it is expected that 130 patients will have been involved by the end of the project.

<http://www.egovmonitor.com/node/43775>

The new era of 'pCRM' - Virtual care through telemedicine

“Hospital Virtual” (Barcelona) is a tool that uses a webcam to provide virtual consultations in support of traditional in-person visits. This virtual hospital service adds a layer of control and convenience for patients, and means opportunities for regular communication are not limited by diary conflicts or travel considerations.

Article also refers to Mayo Clinic’s virtual care schemes and AmericanWell.

<http://creationhealthcare.com/articles/the-new-era-of-%E2%80%98pcrm%E2%80%99/>

Telemedicine Demands Quality of Service From IT

http://www.enterpriseefficiency.com/author.asp?section_id=1093&doc_id=233346

Nuffield Trust/HSMC: Setting priorities in health: A study of English primary care trusts

<http://www.nuffieldtrust.org.uk/talks/slideshows/setting-priorities-health-study-english-primary-care-trusts>

Great Ormond Street hospital transfers patient's records using 'medical Facebook'

Gastroenterology department uses online tool Patients Know Best to transfer a patient's medical history to another hospital

<http://www.guardian.co.uk/healthcare-network/2011/sep/16/great-ormond-street-hospital-patient-records>

AdvaMed warns against US medical device tax

<http://www.medtechbusiness.com/news/2011/09/AdvaMed-warns-against-US-medical-device-tax>

Mobile Healthcare Trends: Telemedicine

<http://blogs.zebra.com/blog/bid/62816/Mobile-Healthcare-Trends-Telemedicine>

UCSF Telemedicine Project (US)

<http://psych.ucsf.edu/lpphc.aspx?id=6832>

Monitoring patients, without the wires

http://www.chinadaily.com.cn/sunday/2011-09/18/content_13727075.htm

Using Social Media to Improve Healthcare Quality - Part 1 - Introduction and Key Issues

<http://www.changefoundation.ca/docs/socialmediatoolkit.pdf>

Guardian: Social enterprise: The NHS 'big society' gets a reality check

Central Surrey’s first attempt at winning a competitively-tendered NHS contract has resulted in failure. The "preferred bidder" chosen for a five year, £500m contract for community services in south west and north west Surrey is a private company.

http://www.guardian.co.uk/society/patrick-butler-cuts-blog/2011/sep/19/social-enterprise-big-society-gets-reality-check?CMP=twf_fd

Beyond “an App for that”: Using mHealth to fight NCDs

<http://www.healthunbound.org/content/beyond-%E2%80%9C-app-that%E2%80%9D-using-mhealth-fight-ncds>

Mobile Phone Stethoscopes Could Save Thousands of Lives in Poor Countries

http://medgadget.com/2011/09/mobile-phone-stethoscopes-could-save-thousands-of-lives-in-poor-countries.html?utm_source=feedburner&utm_medium=feed&utm_campaign=Feed%3A+Medgadget+%28Medgadget%29

Why do GPs hesitate to refer diabetes patients to a self-management education program: a qualitative study (Belgium)

Researchers concluded that the study results contribute to a better understanding of the reasons why GPs hesitate to refer patients to a self-management education program.

<http://www.biomedcentral.com/1471-2296/12/94>

HHS launches SMS smoking cessation services (US)

The U.S. Department of Health and Human Services (HHS) has announced two new SMS smoking cessation programs, QuitNowTXT and SmokeFreeTXT, as part of their Text4Health initiative. The programs, a collaboration with the National Cancer Institute, are aimed separately at adults, and teens/young adults, respectively.

<http://mobihealthnews.com/13296/hhs-launches-sms-smoking-cessation-services/>

Personal alarm service upgrades to new call monitoring system – Chichester Careline

Established by Chichester District Council in 1987, the Careline centre supports nearly 21,000 service users from Chichester and the surrounding area and handles an average of 2,000 calls a day.

Chichester Careline provides a range of telecare solutions that enable residents to live safe and independent lives with immediate access to support.

http://www.prohealthservicezone.com/News/Assisted_independent_living/Telehealth/Personal_alarm_service_upgrades_to_us_new_call_monitoring_system_8351.asp#ixzz1YQee9SvG

Nokia app powers portable brain scanner

By hooking up a commercially available EEG headset to a Nokia N900 smartphone, Jakob Eg Larsen and colleagues at the Technical University of Denmark in Kongens Lyngby have created a completely portable system.

<http://www.newscientist.com/article/mg21128305.500-nokia-app-powers-portable-brain-scanner.html>

Wireless networks show potential for monitoring patients' breathing

University of Utah engineers are aiming to noninvasively measure the breathing of surgery patients, adults with sleep apnoea and babies at risk of sudden infant death syndrome (SIDS). A network of wireless transceivers around a bed can measure breathing rates and alert someone if breathing stops without any tubes or wires connected to the patient.

The American Academy of Pediatrics says there is "no evidence that home monitors are effective" for preventing SIDS. The AAP recognizes that monitors may be helpful to allow rapid recognition of apnea, airway obstruction, respiratory failure, interruption of supplemental oxygen supply, or failure of mechanical respiratory support," according to the group.

<http://www.healthcareitnews.com/news/wireless-networks-show-potential-monitoring-patients-breathing>

Americans and Text Messaging

<http://pewinternet.org/Reports/2011/Cell-Phone-Texting-2011.aspx>

Telemedicine cost-effective, Mayo reports

Rural hospitals that do not employ a full-time neurologist or stroke expert can use telemedicine in a cost-effective way to care for patients who suffer strokes, a new study reports.

<http://www.azcentral.com/business/articles/2011/09/14/20110914telemedicine-cost-effect-mayo-reports.html#ixzz1YQdSY6p6>

Heart Failure Raises Fracture Risk (CME/CE)

<http://t.co/OZ6BCvpd>

Use social media to strengthen health systems

http://www.scidev.net/en/health/opinions/use-social-media-to-strengthen-health-systems.html?utm_source=link&utm_medium=rss&utm_campaign=en_opinions

The role of acculturation in diabetes self-management among Chinese Americans with type 2 diabetes

The results of this study indicated that Chinese Americans diagnosed with diabetes may benefit from acculturation to mainstream society probably because increased acculturation was associated with increased help seeking behaviours and increased use of professional services.

<http://www.diabetesresearchclinicalpractice.com/article/PIIS0168822711002373/abstract?rss=yes>

Healthtalkonline.org - Over 2000 stories

"Healthtalkonline and its sister website, Youthhealthtalk, let you share in more than 2,000 people's experiences of over 60 health-related conditions and illnesses. You can watch video or listen to audio clips of the interviews, read about people's experiences if you prefer and find reliable information about specific conditions, treatment choices and support".

<http://www.healthtalkonline.org/>

Is Early Discharge Worth It? (US)

"There's no question that there are a lot more people involved in care now than there have been before, and care itself is more complicated. I'm predicting that a key step toward ultimately rectifying these issues is the adoption of integrated delivery networks such as the proposed Accountable Care Organizations or other integrated organizations. We need to move to a model where one health care organization is responsible for the entire continuum of care—where no money will be saved by discharging people who are sicker and physicians themselves have a stake in both the quality and financial well-being of the system. ACOs and other moves towards clinical integration are steps in the right direction but are only the beginning. We also need physicians trained to work in these integrated systems, which they traditionally have not been".

<https://blog.doximity.com/issues-in-medicine/is-early-discharge-worth-it/>

NAO Report: Personal budgets effective but care market under-monitored, report finds

Personal budgets for social care improves people's lives but 'shortcomings' over user support and market oversight must be tackled before they are rolled out widely, an official NAO review has found.

England funds 340,000 personal budget holders with £1.5 billion of public money. One million people will be eligible for the scheme from April 2013 under government plans. Personal budgets place the duty of identifying and buying care on the holder. But many found the process of purchasing care difficult: only 50-58% of users found it easy or very easy to get service information.

<http://www.gponline.com/News/article/1092110/personal-budgets-effective-care-market-under-monitored-report-finds/>

NAO Report: Oversight of user choice and provider competition in care markets

http://www.nao.org.uk/publications/1012/oversight_of_care_market.aspx

Meningitis Trust Smartphone app

<http://www.meningitis-trust.org/>

Guardian: Staffordshire answers the call of assistive technologies

Jim Ellam describes some of the telecare, telehealth, assistive technologies in use in Staffs.

“In Staffordshire we believe assistive technologies deliver personalised care and makes best use of the resources available. However, they need to be considered as part of the solution. Through increased awareness by the public and professionals we want to get to a point where the benefits of AT, including quality of life and return on investment, are evident to all and especially to end users as consumers of AT services”.

<http://www.guardian.co.uk/healthcare-network/2011/sep/15/staffordshire-assistive-technology>

Paul Corrigan Reform Report

<http://www.reform.co.uk/Research/ResearchArticles/tabid/82/smId/378/ArticleID/1559/reftab/161/t/The%20hospital%20is%20dead%20long%20live%20the%20hospital/Default.aspx>

Medco medication adherence app registered with FDA as Class 1 device

Medco has registered its smartphone app Medco Pharmacy App as a Class 1 medical device.

<http://mobihealthnews.com/13147/fda-cleared-medcos-medication-risk-adherence-app/>

Telecare promises independence for vulnerable adults and lower costs for Councils, so why is it still so scarce?

“The problem is that the majority of telecare equipment isn’t marketed directly for sale. It must be applied for through the local council, which deploys it based on an assessment of need. Many councils don’t view telecare as a core part of their provision and, despite facing severe budgetary pressures will instead design a costly package of traditional hands-on care.

<http://www.nlgn.org.uk/public/2011/7745/>

Can “Watson” fix organizations as well as patients?

WellPoint has hired Dr. Watson to help physicians cure the ill. Watson has the ability to run patient information against medical information from multiple sources to provide feedback on diagnoses and treatment options.

<http://blogs.perficient.com/healthcare/blog/2011/09/14/can-watson-fix-organizations-as-well-as-patients/>

CG127 Hypertension: understanding NICE guidance

<http://guidance.nice.org.uk/CG127/PublicInfo/pdf/English>

iPad makes the rounds with physicians (video)

<http://www.apple.com/ipad/business/profiles/st-louis-urgent-cares/>

Partners Healthcare - pursuing value

Dr. Elizabeth Mort has kept close tabs on a frail, elderly patient with congestive heart failure since the patient was released from Partners HealthCare System's Massachusetts General Hospital in

August. After a short stint in rehabilitation, the patient went home—but Partners went with her. The patient uploads to Partners information on her vital signs via an electronic monitor in her home. Nurses, who have received specialized training in congestive heart failure, also provide care in the patient's home.

<http://www.modernhealthcare.com/article/20110912/SUPPLEMENT/309129999#>

Telecare promises independence for vulnerable adults and lower costs for Councils, so why is it still so scarce?

“More councils should examine the benefits of telecare and deploy it routinely as a means of maintaining the independence of vulnerable adults whilst reducing their social care bill”.

<http://www.nlgn.org.uk/public/2011/7745/>

Denmark hospitals to roll out patient data portal

<http://www.healthcareitnews.com/news/denmark-hospitals-roll-out-patient-data-portal>

AMIA Offers Guidance to FDA on Regulation of Mobile Medical Apps

<http://www.ihealthbeat.org/articles/2011/9/15/amia-offers-guidance-to-fda-on-regulation-of-mobile-medical-apps.aspx#ixzz1Y3noFOte>

Top Selling Medical App Now Available For iPhone

Dexteria is the first app that transforms the iPad, and now the iPhone and iPod touch, into a manipulative tool that can be used directly in therapy," said Jensen.

<http://www.sfgate.com/cgi-bin/article.cgi?f=/g/a/2011/09/09/prweb8781812.DTL#ixzz1Y3JmjCiK>

Beyond the Exam Room: A New Era in Health Care

“Wireless data networks, smartphones, low-cost sensors and minimal software distribution costs have created new opportunities to paint a person's health experience in vivid detail, informing how a clinician sees a patient. Project HealthDesign run by the University of Wisconsin-Madison has announced a series of grants to explore this future. Five research teams will work with people with a range of chronic health conditions -asthma, depression, Crohn's disease and obesity - to gather data on their diet, sleep, pain, moods, ability to perform day-to-day tasks, and several other factors.

http://www.huffingtonpost.com/stephen-j-downs/beyond-the-exam-room-a-ne_b_495029.html

Is The Cloud Safe For Health Apps?

<http://www.informationweek.com/news/healthcare/EMR/231601342>

Your Heartbeat on an iPhone

<http://www.technologyreview.com/business/38480/>

Aerotel and Elemental Technologies Launch New Location-Based Personal Safety Service in Australia and New Zealand

<http://www.sys-con.com/node/1978174>

Pulse Today: Patients shun 'email-your-GP' pilots as doubts grow over DH pledge for 24/7 online access

Healthspace Communicator, which provides patients with email access to GPs via a secure online platform, is being piloted at six sites across England. Pulse has learned that only 36 doctors have agreed to take part, one pilot has already been forced to close and another practice has pulled out

amid claims that all correspondence had to be updated manually into patients' notes. The DH admitted just 89 patients had signed up for pilots and that the business case for Communicator was 'under review'. Only 3,119 people have registered for an advanced account and 182,000 for a basic account on the umbrella Healthspace system since 2009 – compared with a projected four million people by 2014.

http://www.pulsetoday.co.uk/newsarticle-content/-/article_display_list/12699402/patients-shun-email-your-gp-pilots-as-doubts-grow-over-dh-pledge-for-24-7-online-access

New mobile device initiative to test diabetes self-management

http://www.cmio.net/index.php?option=com_articles&view=article&id=29521

Pulse: DH launches ready reckoner to 'flush out' unaffordable CCGs

The Department of Health has published a tool to enable emerging clinical commissioning groups to examine financial and other viability.

http://www.pulsetoday.co.uk/newsarticle-content/-/article_display_list/12724258/dh-launches-ready-reckoner-to-flush-out-unaffordable-ccgs

ILC: Extra care housing 'delivers better outcomes than home care'

People aged over 80 entering extra care housing receiving a care package were half as likely to move into institutional care within five years as a similar group receiving home care in the community, found the International Longevity Centre-UK report.

A quarter of residents entering extra care with a care package, or who later required a care package, saw a decline in their social care needs over five years. Extra care service users aged over 80 also had a lower incidence of hospitalisation than domiciliary care users, leading to savings of up to £544 per person per year. They were also less likely to experience falls.

The study, one of the first to track the experiences of extra care residents, was based upon longitudinal data on almost 4,000 residents supplied by three extra care providers.

<http://www.communitycare.co.uk/Articles/2011/09/13/117423/extra-care-housing-delivers-better-outcomes-than-home-care.htm>

Demos: Coping with the cuts

Coping with the Cuts reveals, for the first time, the true nature of how cuts to social care budgets are affecting disabled people up and down the country and which local councils are best managing budgetary changes. Compiled using freedom of information (FOI) requests sent to all local authorities in England and Wales, this research discovered a shocking dearth in local information on disabled people.

<http://www.demos.co.uk/publications/copingwiththecuts>

Lessons from the Physician Group Practice Demonstration (US)

<http://www.nejm.org/doi/full/10.1056/NEJMp1110185?query=TOC>

Home monitoring is driving up world telehealth market

The world market for telehealth looks set to exceed \$1 billion by 2016 and could jump to as much as \$6 billion in 2020.

http://www.pharmatimes.com/Article/11-09-14/Home_monitoring_is_driving_up_world_telehealth_market.aspx

Medical App iPharmacy Downloads Topped 1 Million Copies

<http://appmodo.com/55856/medical-app-ipharmacy-downloads-topped-1-million-copies/>

How mHealth "Gamification" Can Help People with Chronic Conditions like Diabetes.

<http://www.healthunbound.org/content/how-mhealth-gamification-can-help-people-chronic-conditions-diabetes>

Community Care: Burstow announces £10m boost for dementia memory services

The government has announced a £10m boost for dementia memory services to improve earlier diagnosis and treatment of the condition.

<http://www.communitycare.co.uk/Articles/2011/09/14/117443/Burstow-announces-16310m-boost-for-dementia-memory.htm>

The window into the world of the internet of everything

At Qualcomm's Innovate conference in Istanbul, the company's CEO Paul Jacobs explained how smartphones and tablets will offer a "window into the world of the internet of everything".

<http://www.wired.co.uk/news/archive/2011-09/14/qualcomm-internet-of-everything>

NHS set to cut cost of caring for the dying in Hull and East Riding

MORE patients will be cared for in hospices and their own homes rather than in hospitals at the end of their lives under new health plans. Fewer people with cancer or other life-limiting illnesses will die in hospitals as health officials in Hull and the East Riding make huge savings in their budgets.

Under the plans, more patients will also be monitored at home using technology known as Telemedicine.

<http://www.thisishullandeastriding.co.uk/NHS-set-cut-cost-caring-dying-Hull-East-Riding/story-13326194-detail/story.html>

Can Health IT Fix The Evidence Gap?

http://www.informationweek.com/news/healthcare/CPOE/231601278?cid=nl_IW_healthcare_2011-09-14_html

VA amps up social media presence

More than two years after the Dept. of Veterans Affairs launched its social media presence, it has developed policy that, in addition to laying out rules geared toward protecting privacy, encourages VA employees to leverage social media to communicate with veterans. The policy includes employees who help connect veterans to health care.

<http://www.ama-assn.org/amednews/2011/09/12/bisd0913.htm>

Telehealth provider Teladoc raises \$18.6M (US)

<http://vator.tv/news/2011-09-13-telehealth-provider-teledoc-raises-186m>

Analyzing Your Sleep

Ben Rubin, cofounder and CTO of Zeo and part of the 2011 TR35, has developed a consumer device

that detects the user's phase of sleep.

<http://www.technologyreview.com/video/?vid=732>

Digital value chains to be developed and demonstrated with new government support

The Technology Strategy Board (www.innovateuk.org) is to invest nearly £6 million of government funding in nine innovative strategic research and development projects and ground-breaking trials that will show how co-operation between digital infrastructure providers, content producers, users and software developers can be improved to earn revenue.

Including:

- Developing an open web-based community and cloud-based IT platform providing a wide range of tailored software tools and products to help deliver effective healthcare commissioning.

http://www.innovateuk.org/content/news/digital-value-chains-to-be-developed-and-demonstra.ashx?utm_source=twitterfeed&utm_medium=twitter

Start-up AFrameDigital has developed a platform for wearable body sensor network technology

The device contains sensors to detect impacts or falls and provides personalized alerts to emergency responders and family members without the push of a button. The watches sell for \$350 plus a \$79/month subscription fee for home users, but the price of the device is \$850 when sold as a kit with other equipment, such as wireless routers.

<http://www.imedicalapps.com/2011/09/womanowned-operated-startup-aframedigital-developed-platformofplatforms-wearable-body-sensor-network-technologie/>

Mobihealthnews: Health gaming reaches critical mass

in July, publisher Mary Ann Liebert Inc. introduced a new journal called Games for Health: Research, Development, and Clinical Applications.

<http://mobihealthnews.com/13078/health-gaming-reaches-critical-mass/>

Qualcomm launches ECG smartphone program in China

The project will make use of smartphones that have built-in ECG sensors, EMRs, and cellular-enabled workstations at the health clinics. The smartphones will automatically send the patient data to a cardiac specialist at a call center where doctors provide feedback to patients and clinic staff over SMS or a voice call. Physicians can remotely provide service for simpler cases or suggest a specialist follow-up in-person. Finally, Qualcomm expects to make some of the ECG-enabled smartphones available for patients to rent and take home.

<http://mobihealthnews.com/13092/qualcomm-launches-ecg-smartphone-program-in-china/>

Alere to exclusively offer Voxiva's Text2Quit

Voxiva, creator of Text4Baby and Text2Quit, announced this week an agreement with Alere Wellbeing's smoking cessation program Quit For Life to exclusively merge their services into one offering.

<http://mobihealthnews.com/13070/alere-to-exclusively-offer-voxivas-text2quit/>

Mobile computing and the quality of home care nursing practice

In this study, patients felt that the use of mobile computing during home visits allowed nurses to

manage their health condition better and, hence, provide superior care services. The use of mobile computing had positive and significant effects on the quality of care provided by home nurses.

<http://jtt.rsmjournals.com/content/17/6/313.abstract>

Integrated Telehealth And Care Management Program For Medicare Beneficiaries With Chronic Disease Linked To Savings

Researchers examined the impact of a care coordination approach called the Health Buddy Program, which integrates a telehealth tool with care management for chronically ill Medicare beneficiaries. They found significant savings among patients who used the Health Buddy telehealth program, which was associated with spending reductions of approximately 7.7–13.3 percent (\$312–\$542) per person per quarter. These results suggest that carefully designed and implemented care management and telehealth programs can help reduce health care spending and that such programs merit continued attention by Medicare.

<http://content.healthaffairs.org/content/30/9/1689.abstract?rss=1>

Telehealth Psychiatry (video)

<http://www.youtube.com/watch?v=4goHRH1cqso>

Telehealth service allows live care of patients at home

Healthcare technology provider American Well and Numera, a telehealth provider, have announced a collaboration to deliver health monitoring information directly into live online encounters between physicians and patients.

<http://www.telecomengine.com/article/telehealth-service-allows-live-care-patients-home>

Nurtur Health, Inc. Partners with VRI to Provide Telecare Management for Members with Chronic Conditions

Strategic partnership combines Nurtur's knowledge and experience in disease management and best-in-class health coaching with VRI's technology expertise in medical alert systems, medication management and vital sign monitoring.

<http://www.prweb.com/releases/2011/9/prweb8797052.htm>

Nursing care for diabetics a click away

In a pilot project for the Public Health Agency of Canada, diabetic patients in four regions of Quebec submitted blood sugar readings to a nurse on a daily basis, using a secure website. Patients also answered a series of daily questions about exercise, diet, and food care practices.

<http://www.futurity.org/health-medicine/nursing-care-for-diabetics-a-click-away/>

Numera Chosen by UK Telehealth Provider Appello

Numera, which sells health coaching technologies and services, has been chosen as one of the main suppliers for UK-based telehealth service Appello.

<http://www.tmcnet.com/channels/call-center/articles/218487-numera-chosen-uk-telehealth-provider-appello.htm>

Medication compliance not adhered to by many patients

Medication adherence programs are effective only if they target the individual reasons patients fail to take their prescription drugs and doctors' influence is tapped when necessary.

<http://www.businessinsurance.com/article/20110918/NEWS03/309189999#>

Bosch Healthcare chief is bullish on telehealth-enabled care management

<http://mobihealthnews.com/13245/bosch-healthcare-chief-is-bullish-on-telehealth-enabled-care-management/>

When Computers Come Between Doctors and Patients

<http://well.blogs.nytimes.com/2011/09/08/when-computers-come-between-doctors-and-patients/?src=tp>

Five Best Fitness Tracking Web Sites and Services

Fitocracy, MyFitnessPal, RunKeeper, SparkPeople, DailyBurn - voting for best fitness tracking web sites and services - health goals, diet progress, and exercise habits

<http://lifehacker.com/5841439/five-best-fitness-tracking-web-sites-and-services>

Sri Rao, CEO of SenseAide, LLC, Launches First Online Senior Care Platform (US)

<http://www.marketwatch.com/story/sri-rao-ceo-of-senseaide-llc-launches-first-online-senior-care-platform-2011-09-14>

Dialog Semiconductor Launches SmartPulse World's First DECT ULE Wireless Sensor Network Devices

Self configuring wireless sensor network devices enable remotely managed home automation, healthcare, security and energy monitoring consumer applications.

<http://www.marketwatch.com/story/dialog-semiconductor-launches-smartpulse-worlds-first-dect-ule-wireless-sensor-network-devices-2011-09-13>

FDA mobile apps workshop: When is a car a medical device accessory?

How and when should the FDA regulate mobile medical apps that act as accessories to medical devices? When should it not regulate them at all? Those questions were taken up in a panel discussion on day one of FDA's Sept. 12 and 13 workshop on its draft guidance for mobile medical device applications.

http://www.cardiovascularbusiness.com/index.php?option=com_articles&view=article&id=29480

First Client Installation of CyttaConnect™ Medical Monitoring System

The CyttaConnect™ system delivers verifiable, real-time medical data transmission from home based medical devices through a medical smartphone to the company's cloud based proprietary electronic medical record (EMR) database. The EMR is automatically populated with the patient's data and provides an interactive and interpretive interface for real-time review by the patient's providers and caregivers.

<http://www.sacbee.com/2011/09/12/3903527/first-client-installation-of-cyttaconnect.html#ixzz1YK3BCEub>

Sweat Meter May Alert Diabetics to Low Blood Glucose

Research has shown that a diabetic's sweat pattern undergoes changes when blood glucose levels drop too low. Now a sweat meter developed jointly at the University of Oslo in Norway and the National Hospital may be able to monitor sweat patterns to determine irregularities in blood glucose levels and send an alert via text message before the patient suffers an attack.

<http://www.prweb.com/releases/2011/9/prweb8781414.htm>

Motorola acquisition boosts Android's home automation prospects

<http://www.itwire.com/opinion-and-analysis/cornered/49669-motorola-acquisition-boosts-androids-home-automation-prospects>

The growing use of RFID in healthcare settings offers both opportunities and challenges.

Examples include:

- Thin RFID tags that monitor temperature and other metrics that can be applied as easily as an adhesive bandage (but without the adhesive)
- Development of remote monitoring devices that allow patients to get out of bed and walk around
- Patient wrist bands doctor/patient ID badges to identify and locate individuals in the hospital,
- RFID on medications to ensure patient safety,
- RFID on surgical sponges to ensure none are left in the patient,
- Real time locating systems for moveable assets to improve patient care

<http://www.aimglobal.org/members/news/templates/template.aspx?articleid=3940&zoneid=24>

Halton & St Helens Benefits from Tunstall's Telehealth Service

A recent evaluation of the 12-month telehealth project, which involved 104 patients, revealed substantial cost savings with the service almost halving the average length of hospital stays for patients, and reducing emergency admissions by almost 30%.

<http://www.ehealthnews.eu/tunstall/2740-halton-a-st-helens-benefits-from-tunstalls-telehealth-service>

Cloud Computing in Healthcare

An article which explains cloud computing and its potential use in healthcare eg storage of records.

<http://healthworkscollective.com/nrip-nihalani/24786/cloud-computing-healthcare>

Northern Ireland: Connecting Health With Technology Is Vital

“Evidence shows that when technology is used for remote monitoring of patients’ vital signs in their homes, we can intervene early when problems arise and avoid hospital admissions.

“This year’s pilot project in Northern Ireland has enabled over 1,000 new people with long term conditions to benefit from connected health services. We must continue to use innovative technologies to improve patient choice and allow patients to remain in their own homes wherever possible.”

“It is vital that we develop innovative solutions to managing chronic disease so that our citizens can enjoy independent living into old age. Health and social care expenditure is under significant pressure and the connected health agenda provides a valuable opportunity to strengthen our economy while reducing costs and improving healthcare services.”

<http://www.egovmonitor.com/node/43655>

Nefsis Online Video Conferencing Chosen by Secure TeleHealth for Web-based Platform for Telepsychiatry (US)

<http://www.marketwatch.com/story/nefsis-online-video-conferencing-chosen-by-secure-telehealth-for-web-based-platform-for-telepsychiatry-2011-09-08>

Vital role of PNs in diabetes checks highlighted (UK)

Nurses have a crucial role in ensuring with diabetes do not miss vital health checks, according to health charity Diabetes UK. The charity has launched a checklist of “must have” services to help sufferers stay healthy after it emerged many were missing out on essential checks and specialist services including retinal screening, foot checks and kidney assessments.

<http://www.nursingtimes.net/nursing-practice/clinical-specialisms/diabetes/vital-role-of-pns-in-diabetes-checks-highlighted/5034718.article>

INTERACTIVE SOLUTIONS, INC. Provides Nation's Largest Telemedicine Rollout (US)

<http://www.marketwatch.com/story/interactive-solutions-inc-provides-nations-largest-telemedicine-rollout-2011-09-07>

Health Care Providers Tapping Mobile Health Tools To Reduce Costs

Health care providers are using mobile health technologies to monitor patients and reduce costs, the New York Times reports. The mobile health field features the use of technologies to educate, monitor and treat patients. Devices such as wireless sensors, temporary tattoos and other electronic tools could allow physicians to monitor patients from any location.

Chuck Parker, the executive director of Continua Health Alliance, said only 50,000 to 70,000 U.S. patients currently are being monitored by mobile health devices. He noted that additional financial incentives might encourage more hospitals to adopt the technologies.

<http://www.ihealthbeat.org/articles/2011/9/7/health-care-providers-tapping-mobile-health-tools-to-reduce-costs.aspx#ixzz1YK8Yk4bA>

Catalysts for Home Healthcare Solutions

“Medical devices that operate in today's environment are required to be more feature-rich, deliver more power, be completely dependable and durable, and they are being called upon to do it in a significantly smaller format. Be a real-world setting, one that features people, outside of the hospital environment, taking-on a greater role in maintaining their health in areas such as patient monitoring, pain management, or diabetics who must constantly test their blood sugar levels, the trend is clearly one of miniaturization and enhanced device dependability”.

<http://www.onlinetmd.com/TMD-0911-catalysts-for-home-healthcare-solutions.aspx>

Austria's Orange Mobile Operator Set to Expand Remote Patient Monitoring Solution Following Successful Trial

“The solution from Orange currently allows the remote monitoring of Diabetes and hypertension, though the company says it plans to expand its capabilities to monitor other diseases like COPD and ECG in the near future, as well as extending functionality into the lifestyle and wellness sectors as well. While the solution has seen great success since its launch, the company admits to several key challenges facing the mHealth industry in general, especially in highly regulated countries like the US, Austria and the rest of Europe”.

<http://mhealthwatch.com/austrias-orange-mobile-operator-set-to-expand-remote-patient-monitoring-solution-following-successful-trial-17347/>

Online health communication in improving outcomes

Useful quotes from this article:

“The public need effective, comprehensible health communication which includes, but is not limited to, the following attributes: accuracy, balance, consistency, cultural competence, reliability, repetition, timeliness and understandability”.

“The appropriate messages should be available, evidence-based and reach the right target audience”.

“Effective health communication can empower consumers to more efficiently self-manage their health, thus reducing current demands on an already overburdened health system”.

“Contemporary health systems are characterised by a lack of consumer-driven, interactive Internet communication technology and the professional production of health information”.

“Despite the rhetoric, real partnerships and empowerment are often not a reality and communication is often not truly consumer-centred”.

“A recent White Paper from the American Medical Informatics Association (Keselman et al. 2008) provides guidance”.

<http://onlinelibrary.wiley.com/doi/10.1111/j.1365-2702.2010.03435.x/full>

Can Self-Tracking Data Assist with Insight and Awareness?

A number of new devices/apps for self-tracking are discussed eg

Data must be controlled by the self-tracker, and gathered only for the self-tracker. They might choose to share it with helpers (coach, doctor) who are assisting with their experiment.

Experimental design for self-tracking experiments is critical, especially defining terms precisely to assist in gathering meaningful subjective data. For example, tracking “mood” seemed to be too vague for me to get meaningful data.

<http://quantdoctor.com/2011/09/18/can-selftracking-data-assist-with-insight-and-awareness/>

Mobile startups push health at Demo

Startups showed how smartphones could aid posture, fitness and African health care

<http://www.itnews.com/health-care/36893/mobile-startups-push-health-demo>

Video consults help Rite Aid move into telemedicine (US)

National pharmacy chain Rite Aid is testing out telehealth services at its Detroit locations, with the hope of eventually expanding to its 4,700 stores nationwide.

http://www.fiercemobilehealthcare.com/story/video-consults-help-rite-aid-move-telemedicine/2011-09-16?utm_campaign=TwitterEditor-FierceHealthIT#ixzz1YNoSKvA5

LifeScan introduces talking glucose meter in India

“Called OneTouch SelectSimple, the blood-glucose monitor is the first meter to be launched with audio alerts, according to the company. There are two alerts corresponding to high and low glucose levels. These alerts automatically go off whenever the readings cross the cut-off limits. The product also has visual alerts via the use of arrows on screen, as well as a high-low alarm reference card where the patients can put down their readings and maintain a record”.

http://www.drugstorenews.com/article/lifescan-introduces-talking-glucose-meter-india?utm_source=GoogleNews&utm_medium=Syndication&utm_campaign=ManualSitemap

iHealth gunning for Withings with connected scale, baby monitor

<http://mobihealthnews.com/13112/ihealth-gunning-for-withings-with-connected-scale-baby-monitor/>

Top 10 Life-Saving iOS and Android Apps

<http://www.ibtimes.com/articles/210445/20110908/apple-iphone-apps-ios-android-free-emergency-donload-link-disaster-hurricane-escape.htm>

Guardian: Obesity doctors find Weight Watchers works

Overweight people referred by their doctors to Weight Watchers lose twice as much fat as those who receive standard dieting and exercise advice from their GP according to a recent published study.

The trial involved 772 overweight and obese adults who were randomly assigned a 12-month Weight Watchers course or standard care from their doctor. At the end of the year, those enrolled in the commercial programme lost an average of 5.1kg, compared with 2.2kg for the rest.

Not everybody completed the course. The weight loss among those who did was 6.7kg at Weight Watchers and 3.3kg for the rest. Those enrolled in the commercial programme were more than three times as likely to lose a substantial 5% of their bodyweight, compared with the others.

http://www.guardian.co.uk/lifeandstyle/2011/sep/08/obesity-doctors-weight-watchers?CMP=twf_fd

SE Essex develops EPR for COPD patients

NHS South East Essex has created a shared electronic patient record across primary, secondary and community care for patients with COPD.

<http://www.ehi.co.uk/news/acute-care/7152/se-essex-develops-epr-for-copd-patients>

How mHealth (done properly) can beat going to a Doctor when the clinical problem is information based

<http://mhealthinsight.com/2011/09/06/why-mhealth-done-properly-can-beat-going-to-a-doctor-when-the-clinical-problem-is-information-based/>

DH outlines plans for post-GPSoc world

<http://www.ehi.co.uk/news/primary-care/7175/dh-outlines-plans-for-post-gpsoc-world>

Social Network for Patients, Doctors and Caregivers (US)

A social network is going through a "clinical trial" to see if the extended care and offerings helps reduce re-admission to the hospital. Patients would be able to upload their information for review so remote monitoring would be possible. A list of US providers is included.

<http://www.technologyreview.com/biomedicine/38456/?p1=A3>

Forbes: Will the Apple iPad Replace Your Doctor?

<http://www.forbes.com/sites/sap/2011/09/07/will-the-apple-ipad-replace-your-doctor-2/>

Help NHS local win competition for groundbreaking Bump to Baby app

<http://nhslocal.nhs.uk/story/help-nhs-local-win-competition-groundbreaking-bump-baby-app>

RCGP urges half-hour consultations to improve long-term conditions care

<http://www.gponline.com/News/article/1089714/rcgp-urges-half-hour-consultations-improve-long-term-conditions-care/>

Researchers warn against using smartphone apps to cure pain

Researchers at the University of Bath say regulation is needed of smartphone 'apps' that **claim** to help people manage pain, after 85% were found to be created without input from a medical professional. There are nearly 6,000 apps for health-related issues but there is currently no regulatory body evaluating and approving their release making them potentially misleading to the

consumer. Of the apps reviewed, 85.6 per cent reported no involvement from a healthcare professional, either directly as the app creator or indirectly as a source of information or evaluation of app content.

Quote: "In a population often desperate for a solution to distressing and debilitating pain conditions, there is considerable risk of individuals being mis-sold, misled, and cynically overpromised hope. The next generation of apps will need to emerge in a regulated environment that is able to balance the importance of evidence-based clinical content and expert support without obstructing the progress that mobile healthcare technologies may provide."

<http://www.bath.ac.uk/news/2011/09/07/painapps/>

Smartphone applications for pain management

<http://jtt.rsmjournals.com/content/17/6/308.abstract>

10 market questions for valuing mobile health apps

Very useful checklist for developers.

<http://vectorblog.org/2011/09/10-market-questions-for-valuing-mobile-health-apps/?vector=to>

Skype service expands in south Devon

Clinicians in south Devon are using Skype to hold consultations with patients from their own homes using patient-controlled record system supplier Patients Know Best.

<http://www.ehi.co.uk/news/mobile/7144/skype-service-expands-in-south-devon>

How iPads are helping calm patients at Queen Elizabeth Hospital

<http://www.sundaymercury.net/news/midlands-news/2011/09/04/how-ipads-are-helping-calm-patients-at-queen-elizabeth-hospital-66331-29360130/#.TmVaGBaiZBk.twitter>

NSW flags \$170m e-health medication system

The NSW Government plans to spend \$170 million on an e-health initiative aimed at improving medication management.

<http://www.itwire.com/it-policy-news/government-tech-policy/49587-nsw-flags-170m-e-health-medication-system>

Managing suicidality in home-based telehealth

VHA case study.

<http://jtt.rsmjournals.com/content/17/6/332.abstract>

Trial of a mobile phone method for recording dietary intake in adults with type 2 diabetes: evaluation and implications for future applications

Ten adults with type 2 diabetes recorded their intake over a three-day period using Nutricam (mobile phone-based recording of meal pictures and voice commentary) and a written food diary. Compared to the food diary, energy intake was under-recorded by 649 kJ using the mobile phone method. Researchers thought that although some modifications to the mobile phone method will be necessary to improve the accuracy of self-reported intake, the system was considered an acceptable alternative to written records and has the potential to be used by adults with type 2 diabetes for monitoring dietary intake by a dietitian.

<http://jtt.rsmjournals.com/content/17/6/318.abstract>

A telepsychiatry transition clinic: the first 12 months experience

<http://jtt.rsmjournals.com/content/17/6/293.abstract>

Teleconsultation via the web: an analysis of the type of questions that Iranian patients ask
<http://jtt.rsmjournals.com/content/17/6/324.abstract>

Automated home telephone self-monitoring reduces hospitalization in patients with advanced heart failure

The study, over 12 months, covered 138 patients admitted for heart failure (HF) allocated to one of three groups. Automated home telephone self-monitoring reduced rehospitalization in patients with advanced HF.

<http://jtt.rsmjournals.com/content/17/6/298.abstract>

Evaluation of teledermatology adoption by health-care professionals using a modified Technology Acceptance Model

<http://jtt.rsmjournals.com/content/17/6/303.abstract>

Emotive computing may have a role in telecare

<http://jtt.rsmjournals.com/content/17/6/279.abstract>

Evidence of benefit from telerehabilitation (TR) in routine care: a systematic review

“Sixty-one studies were covering Twelve clinical categories. Cardiac or neurological rehabilitation were the most numerous. Thirty-one of the studies (51%) were of high or good quality. 71% of the TR applications were successful, 18% were unsuccessful and for 11% the status was unclear. The reported outcomes for 51% of the applications appeared to be clinically significant. Further study was required for 62% of the TR applications and desirable for 23%. TR shows promise in many fields, but compelling evidence of benefit and of impact on routine rehabilitation programmes is still limited”

<http://jtt.rsmjournals.com/content/17/6/281.abstract>

Perception, satisfaction and utilization of the VALUE home telehealth service

*“Eighty-four subjects were active participants in an RCT for nine months. At 60-day follow-up, the intervention group was significantly more positive towards technology compared to their own baseline and compared to the 60-day scores for the controls. The intervention group indicated that overall the telehealth service met their expectations (mean score 9 out of 10). Intervention subjects made fewer emergency department visits than control subjects, more visits to the eye doctor, fewer visits in all categories of home care utilization, and lower use of transportation **services**”.*

<http://jtt.rsmjournals.com/content/17/6/288.abstract>

Telephone Depression Care Management for Latino Medicaid Health Plan Members: A Pilot Randomized Controlled Trial

http://journals.lww.com/jonmd/Abstract/2011/09000/Telephone_Depression_Care_Management_for_Latino.11.aspx

Interventions targeting social isolation in older people: a systematic review

Full article – UK origin.

<http://www.biomedcentral.com/1471-2458/11/647>

Falls efficacy among stroke survivors living in the community

<http://www.ingentaconnect.com/content/apl/tids/2011/00000033/F0020019/art00008>

Storied experiences of nurse practitioners managing prehypertension in primary care

<http://onlinelibrary.wiley.com/doi/10.1111/j.1745-7599.2011.00663.x/abstract;jsessionid=3926F341D4F3FAAA4E07937DB6E22894.d03t02>

Descriptive Analysis of Workflow Variables Associated With Barcode-Based Approach to Medication Administration

http://journals.lww.com/jncqjournal/Abstract/2011/10000/Descriptive_Analysis_of_Workflow_Variables.13.aspx

Mobile computing and the quality of home care nursing practice

<http://jtt.rsmjournals.com/content/17/6/313.abstract>

The feasibility of videoconferencing for neuropsychological assessments of rural youth experiencing early psychosis

<http://jtt.rsmjournals.com/content/17/6/328.abstract>

Kaiser Health News: Concern Is Growing That The Elderly Get Too Many Medical Tests

http://www.kaiserhealthnews.org/Stories/2011/September/13/overtesting.aspx?utm_source=feedburner&utm_medium=feed&utm_campaign=Feed:+khn+%28All+Kaiser+Health+News%29&utm_content=Google+Reader

Networking Patients to Combat Chronic Diseases (video)

Paul Wicks, director of R&D at PatientsLikeMe, discusses his innovative work.

<http://www.technologyreview.com/video/?vid=731>

4 Ways That The Internet Has Changed Medicine

http://www.medicinandtechnology.com/2011/09/4-ways-that-internet-has-changed.html?utm_source=feedburner&utm_medium=feed&utm_campaign=Feed:+mdjosephkim+%28Medicine+and+Technology%29&utm_content=Google+Reader

Kenyan develops telemedicine software

<http://www.standardmedia.co.ke/InsidePage.php?id=2000043009&cid=4&ttl=Kenyan%20develops%20telemedicine%20software>

\$50M investment fund focuses on telemedicine start-ups (US)

<http://www.fiercemobilehealthcare.com/story/50m-investment-fund-focuses-telemedicine-startups/2011-09-16>

KC's Home Health Care Implements the ExpressMD(TM) Remote Monitoring Solution to Improve Condition Outcomes for Patients With Chronic Illnesses (US)

http://www.msnbc.msn.com/id/44438486/ns/business-press_releases/t/kcs-home-health-care-implements-expressmdtm-remote-monitoring-solution-improve-condition-outcomes-patients-chronic-illnesses/#.TnW1quxN8hs

Safety and peace of mind when other systems fail – Life Support medical (US)

<http://www.lifesupportmedical.com/?p=676>

Aging population could benefit most from National Broadband Network (NBN)

http://www.cio.com.au/article/401094/aging_population_could_benefit_most_from_nbn_kpmg/

Mayo Clinic Care Network to share knowledge with other providers

Mayo Clinic officials recently announced the Mayo Clinic Care Network, a system that allows provider organizations to access various Mayo Clinic resources and expertise. More than just an on-call system of telemedicine, the network aims to establish different venues through which provider groups can interface with Mayo Clinic. These venues include access to a knowledge management system. "It has access to care protocols, other content and questions that we use internally for our own physicians that we extend externally," said Mayo Clinic Care Network spokesperson Mary Jo Williamson.

<http://www.medicitynews.com/2011/09/mayo-clinic-care-network-to-share-knowledge-with-other-providers/?edition=hospitals>

Social Media Toolkit for Telehealth Professionals and Programs

http://thielst.typepad.com/my_weblog/2011/09/social-media-toolkit-for-telehealth-professionals-and-programs.html

Telehealth's Argument for Quality Healthcare - Will Remote Monitoring Systems Be Part of Medical Homes?

http://www.dorlandhealth.com/case_management/cip_magazine/Telehealths-Argument-for-Quality-Healthcare_1923.html

ESC TV 2011 - ICD and telemonitoring (video)

-Prospective randomized EVATEL study: remote follow-up of patients implanted with an ICD (Philippe MABO, Rennes)

- ECOST study, safety of implantable cardioverter defibrillator follow-up using remote monitoring: a randomized controlled trial (Salem KACET, Lille)

<http://www.youtube.com/watch?v=qFsGO9gBSrM>

TEMEO – a Novel Mobile Heart Rhythm Telemonitoring System (journal)

<http://www.cinc.org/2011/preprints/221.pdf>

More Healthcare Insights

The first 100--of 150 projected--patients have already been enrolled in the telemonitoring program. Primary care doctors in four practices--all of which are using electronic health records (EHRs)--signed the patients up for the study, using specific criteria. The patients have moderate to severe forms of diabetes which are not completely out of control, Norris observed. So telemonitoring can be expected to help these patients avoid ER visits, which such patients typically make once or twice a quarter.

<http://www.informationweek.com/news/healthcare/patient/231600952>

Nurtur Health, Inc. Partners with VRI to Provide Telecare Management for Members with Chronic Conditions (US)

<http://www.prweb.com/releases/2011/9/prweb8797052.htm>

Independent: Attitudes to cholesterol 'worrying'

Despite the risk of heart disease, the 2,000 people questioned revealed a significant proportion of the public are unaware of the ways in which they can reduce their cholesterol levels, like improving their diet and increasing activity levels.

<http://www.independent.co.uk/life-style/health-and-families/health-news/attitudes-to-cholesterol-worrying-2356748.html>

Section 4: Events, conferences, courses

Ambient Assisted Living Forum, Lecce, Italy 26-27 September 2011

<http://www.aalforum.eu/>

American Telemedicine Association Fall Forum 2011 September 19–21—Egan Convention Center, Anchorage, AK

<http://www.americantelemed.org/i4a/pages/index.cfm?pageid=3827>

Innovate 2011 11 Oct 2011 - Business Design Centre, London

<https://ktn.innovateuk.org/web/innovate-2011>

Pharmaceutical m-Health, London, UK 10/11 October 2011

<http://www.smi-online.co.uk/events/overview.asp?is=4&ref=3805>

Wireless Health 2011, San Diego, USA 10-13 October 2011

<http://www.wirelesshealth2011.org/>

CUHTec: Using telecare to reduce the cost and increase the effectiveness of re-ablement and intermediate care, University of York 18 October, 2011

<http://www.cuhtec.org.uk/download/FDetailsReableOct11.pdf>

General details about costs, link for booking form etc are here:

<http://www.cuhtec.org.uk/events.php>

CUHTec: Assistive technology and telecare for learning disability services

University of York 19 October, 2011

<http://www.cuhtec.org.uk/download/FDetailsLDOct11.pdf>

General details about costs, link for booking form etc are here:

<http://www.cuhtec.org.uk/events.php>

EHI Live 7-8 November 2011, NEC in Birmingham 7-8 November 2011

<http://www.ehi.co.uk/events/ehi-live/>

The International Telecare & Telehealth Conference 2011, London, 14-16 November 2011

http://www.telecare.org.uk/information/42301/48936/conference_11/

RSM conference includes WSD Results, London 28-29 November 2011

<http://www.rsm.ac.uk/academ/06tec01.php>

2011 mHealth Summit December 5–7, 2011—National Harbor, MD

<http://www.mhealthsummit.org/>

The Kings' Fund - International Congress on Telehealth and Telecare 6-8 March 2012 (early booking announced)

<http://www.kingsfund.org.uk/events/international.html>

Global Health & Innovation Conference 2012: New Haven, CT, USA: 21-22 Apr 2012
<http://www.cochrane.org/news/tags/cochrane-contributors/global-health-innovation-conference-2012-new-haven-ct-usa>

Section 5: 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>

Whole System Demonstrator Action Network

www.wsdacionnetwork.org.uk

Newsletter prepared by Mike Clark

Distributed by the Telecare LIN

www.telecarelin.org.uk

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