October 2017 Newsletter

Welcome

Welcome to the October 2017 newsletter from the Telecare Learning and Improvement Network.

Our news service has been available since October 2005. From January 2016 we are now back with a monthly Telecare LIN roundup together with daily news via Twitter (follow @clarkmike).

As in the past, we will be continuing to bring you an extensive curated listing of digital health and technology enabled care references from the UK and around the world including telehealth, telecare, mobile health, telemedicine, ehealth, smart home technologies and Internet of Things. We will also be including more in the future on health informatics (including electronic health and care records), big data, artificial intelligence as well as health and care robotics.



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1 New White Paper from TSA







By 2025, analogue telephone services will be switched off as the UK's telecoms infrastructure is upgraded to digital connectivity.

A new <u>White Paper</u> outlines the major implications of this shift for the technology enabled care (TEC) sector and the 1.7 million people who rely on telecare in the UK.

<u>TSA</u> and <u>DLF</u> are also running a short <u>survey</u> on 'Shifting to a digital market for private consumers'.



2 Main News Links

2.1 Telecare, Telehealth, Mobile & Digital Health, **Telemedicine**

Digital telecare: Looking beyond usual technology to deliver better citizen outcomes (case study) - via DByDNews

Delhi's senior citizens want to use gadgets, smartphones to stay healthy, AIIMS study shows via IndiaToday

DIY artificial pancreas efforts gain diabetes organization's support - via MobiHealthNews

Up to 40 people in Essex will be given Galaxy tablets to communicate with carers over Skype via DailyMirror

Tech transforming Western Isles MS service: Use of Florence and Attend Anywhere - via NHSWI

Thrive Innovation Center opens its doors to showcase aging in place tech - via MobiHealthNews

Study: Effectiveness of Telemonitoring in Obstetrics: Scoping Review - via JMedInternetRes

NHS calls on Inhealthcare for heart patients' home blood tests - via MobiHealthNews

Smartphone-powered tool offers point-of-care infection diagnoses - via MobiHealthNews

Voice-powered, in-home care platform wins Amazon Alexa diabetes competition - via MobiHealthNews

This smart bandage releases meds on command for better healing - via TechCrunch

Technology-Enabled Care Services (TECS) evidence base review - via HINSouthLondon

New technology solutions promise much – now can we work out which ones actually deliver? via HSJnews (£ subs)

Harnessing technology for personalised care – Final report on the national IT Challenge process - via NHSEngland

Can you really trust the medical apps on your phone? - 3 UK symptom checkers examined - via WiredUK

Event: Scottish Digital Health and Social Care Conference, 22 November 2017 - via SCTT NHS24



What Do Patients Want in Self-Management mHealth Apps? - via mHealthIntel

VA proposed rule would override state licensing restrictions to expand access to telehealth - via FierceHealth

New Rule Would Give VA Doctors National Telehealth Privileges - via mHealthIntel

Are wearables producing usable & beneficial health data? - via modrnhealthcr

Recent hurricanes show that with proper preparation, telemedicine shines during disasters - via MobiHealthNews

mHealth Looks to Solve the Diabetes Care Management Conundrum - via mHealthIntel

In small study, Noom's mobile coaching platform shows promise in reducing hypertension - via <u>MobiHealthNews</u>

mHealth Innovation Takes Center Stage in FDA's Digital Health Pilot - via mHealthIntel

New asthma app to help young people manage condition - via NursingTimes

Evaluation of telephone first approach to demand management in English general practice - via bmj latest

How the NHS is ahead of Apple - Care City test bed programme - via nhenews

Apple, Fitbit, Samsung, and Verily among FDA's picks for precertification pilot - via MobiHealthNews

FDA selects participants for new digital health software precertification pilot program - via US FDA

Apple just received a fast lane for developing health features that require FDA approval - via 9to5mac

Former NHS Digital chief exec appointed as Zesty's Board advisor - via digitalhealth2

The double-edged sword of mental health apps - via <u>livingit</u>

ORCHA to drive health app innovation - via BQLive

Building a Health App? Part 3: What You Need to Know About FDA's Regulation of Mobile Apps - via <u>natlawreview</u>

Harman's Cortana speaker appears in Microsoft's store for \$199 - via verge

Building a Health App? What You Need to Know - via <u>natlawreview</u>

Making Patients and Doctors Happier — The Potential of Patient-Reported Outcomes - via NEJM



Telehealth challenges: Where does the data go? - via SearchHealthIT

What are asset-based approaches to care and support? by @ewandking - via guardian

For events taking place during Scotland's Digital Health and Social Care Week - more info a - via SCTT NHS24

Event: Digital Health & Social Care Conference, 22 Nov, Glasgow - via SCTT NHS24

How far do the medical device rules affect health-related apps? - via MPN Magazine

FDA clears 1st mHealth app, Carrot, for smoking cessation - via BeckersHR

U.S. employers make big push for telehealth - via Reuters

The NHS is going to trial a gig economy app for nurses - via WiredUK

Peer-to-peer clinical problem-solving app launches - via digitalhealth2

Three steps to successful digital health transformation - by Travis Good - via medcitynews

U.S. Survey: 77 percent of Medicare members have used digital health tools' - via MobiHealthNews

American Well, Medtronic partner for combined telehealth and remote patient monitoring - via MobiHealthNews

Pfizer follows up successful smoking cessation app with LivingWith app for cancer patients - via MobiHealthNews

Report: Nearly every US state has updated its telehealth legislation since last year - via MobiHealthNews

WhatsApp streamlines heart attack care in Argentina - via MobiHealthNews

Suspended NHS signposting app hopes to restart by end of week - via digitalhealth2

From the U.S.: Limited reimbursement hinders telehealth adoption - via modrnhealthcr

Staying appy: mental health apps deliver mixed results - via guardian

From the U.S.: mHealth Closes The Gaps in Medication Adherence During a Crisis - via mHealthIntel

Chelsea and Westminster to pilot wireless environmental sensors in ICU - via digitalhealth2

Cedars-Sinai to Offer Apple Watch App - via <u>HCInformatics</u>

Future of mobile cardiology: smart devices and mHealth - via Medgadget



New apps promise to diagnose mental health problems - But there are reasons to be cautious - via <u>Slate</u>

Apple, FitBit Will Join FDA Program Meant to Speed Health Tech - via business

From Australia: Design guide to help health app devs stay legal and safe - via computerworldau

You wear it so well: designing clinical-grade wearables - via medtechonline

A Parkinson's Doctor Explains How mHealth is Changing Patient Care - via mHealthIntel

Facebook quietly launches Mac and PC Workplace Chat apps with screen share - via TechCrunch

Mobile app aids lowering blood pressure: Interview - via digitaljournal

You wear it so well: designing clinical-grade wearables - via medtechonline

Mental health trust trials new Al-powered chatbot - via digitalhealth2

Partners, UCB to tailor digital health solutions for epilepsy treatment - via HealthITNews

Janssen set to launch clinical trial system that uses smartphone app, smart blister packs - via MobiHealthNews

#DigitalHealth Is A Cultural Transformation Of Traditional Healthcare Through Disruptive Technologies - via Berci

Nokia axes jobs in shift from VR to digital health - via MarketWatch

Al, self-care apps and tech, e-referrals: the vision of the future at Expo - by Claire Read - via digitalhealth2

Digital health technology for use in patients with serious mental illness: a systematic review of the literature - via Study

JMIR: Impact of a Telehealth Program With Voice Recognition Technology in Patients With Chronic Heart Failure - via JMIR

2.2 Smart Home Technologies & Internet of Things

NHS must up its digital game, says NHS Digital programme director - via ComputerWeekly

Amazon just launched 6 new gadgets and none was over \$150 - via TechCrunch

Amazon's original Echo gets a much-needed upgrade - via TechCrunch

Amazon's original Echo gets a much-needed upgrade - via <u>TechCrunch</u>



Garmin Speak lets you bring Alexa along in the car - via TechCrunch

Amazon adds loads more branded Dash buttons in UK - via TechCrunch

Amazon's latest Alexa devices ready to extend company's reach into your home - via guardian

Amazon revamps Echo smart speaker family - via BBCNews

Amazon's new Echo Plus doubles as a smart home hub - via verge

IoT poised to impact quality, capabilities of healthcare - via NetworkWorld

Developers of FDA-cleared smart bottle for premature infants building discharge decision tool - via medcitynews

Info about the Digital Care Home Project in Sheffield - via Study

Internet of things: Litmus test of the EU's will to create a digital single market - via EURACTIV

New Google Home Mini announced - via CNBC

Intel's new health IoT platform takes remote care beyond consumer devices - via ZDNet

Wellbe adds Physiotec online rehab and Staywell guidelines content to cloud-based platform - via MobiHealthNews

Welch Allyn IoT home devices now standard with Honeywell platform - via MobiHealthNews

Google is building a smart screen competitor to Amazon's Echo Show - via TechCrunch

Comparing Alexa, Google Assistant, Cortana and Siri smart speakers - via <u>TechCrunch</u>

What lies beneath: the smart home that wears its technology lightly - via guardian

Super cute home robots are coming, but think twice before you trust them - via ConversationUK

Google Clips is a new \$249 smart camera that you can wear - via TechCrunch

Google's new smart speaker fixes your sound quality with AI - Google Home Mini and Max - via verge

Robots could be trialled in West Lancs care homes - via Visiter

Because someone had to make the first Cortana smart speaker - via TechCrunch



2.3 Health Tech

From Scotland: Join conversation about use of technology in supporting and creating services - via NHSinform

Technology and innovation are key to saving the NHS - Alan Milburn - via guardian

NHS Digital's WannaCry response was "let down" by poor comms - via digitalhealth2

Swindells says NHS's digital best are 'mediocre' by international standards - via digitalhealth2

Leeds council develops Person Held Record for locals - via digitalhealth2

Nottingham to review digital care record due to patient safety concerns - via digitalhealth2

17 NHS trusts to use OpenEHR for 100,000 Genomes Project - via digitalhealth2

New blog - How to deliver tech-enabled care services at scale - by @mackmoira from @SCTT_NHS24 - via <u>TSAVoice</u>

Twitter trials an expansion beyond 140 characters - via TechCrunch

How Chatbots Can Solve Low Patient Engagement Problem - via <u>HealthTechZone</u>

Gene-Edited Skin Could Be Its Own Blood-Sugar Sensor - via techreview

Rise of chat-driven health tech signals 'paradigm shift' for user interfaces - via MobiHealthNews

Health websites reducing visits to doctors in people with chronic health conditions - report - via health1tech

Woebot, the Chatbot That Can Help with Depression - via techreview

Researchers develop digestible sensors for monitoring the gastrointestinal tract - via <u>TechCrunch</u>

2.4 Robotics, Al and VR

Artificial intelligence is about the people, not the machines - via <u>TechCrunch</u>

The computers being trained to beat you in an argument - via **BBCNews**

The Seven Deadly Sins of AI Predictions - via techreview

ZoraBots, The Worldwide Leader of Humanoid Robots in Healthcare, Sets up in The United States - via MustTechNews

www.telecarelin.org.uk #TLINnews @clarkmike



Could AI help Keep You Healthy - via techreview

Put Humans at the Center of AI - @drfeifei via @techreview - via techreview

How the CDC could use Google, AI, and even Twitter to forecast flu outbreaks - via DigitalTrends

Are robots taking our jobs - via nesta uk

The age of automation: Artificial Intelligence, robotics and the future of low-skilled work - via theRSAorg

RSA highlights robotics potential in social care - via ukalocaldigital

From S Korea: KHMC hospital to promote AI chat robot-based convenience service for patients - via KoreaBiomed

Could Artificial Intelligence help reduce healthcare costs - via MDDIonline

Mattel thinks again about AI babysitter - via **BBCNews**

DeepMind's new AI ethics unit is the company's next big move - via WiredUK

From the U.S.: A robot companion for Alzheimer's patients - via **9NEWS**

When people begin to run out of power, send in the robot carers who never grow old - via thetimes

Meet Pepper the robot – Southend's newest social care recruit - via guardian

Sharing patient data would open door to next-generation NHS using AI, Government told - via Independent

2.5 Policy, guidance, announcements, miscellaneous

Examples of giving blind & visually impaired people assistance with tech products coming to market - via WiredUK

Cardiologs raises \$6.4M to bring image recognition to EKG analysis - via TechCrunch

Hospital bed numbers – can the downward trend continue? - via TheKingsFund

MH patients being failed as services face 'potent mix' of workforce cuts/rising demand - report - via Independent

No evidence to support claims that telephone consultations reduce GP workload/hosp referrals - via <u>Cambridge Uni</u>



NHS England is recruiting people with RP for bionic eye surgery evaluation - via RNIB

From the U.S.: On-Demand Health Care Provider Raises \$30.8 Million - via HHCareNews

Long waits for treatment at Cornwall hospital leave people suffering harm as a result, CQC says - via Independent

Alphabet spin-out aims to help low-income Americans get better health care - by @chrissyfarr - via CNBC

Heart device failure: Medicare spent \$1.5B over 10 years to replace defective implants - via FierceHealth

Bill for urgent repairs at NHS hospitals reaches almost £1bn - via guardian

Transforming and sustaining change: what's the role of general practice? - via NuffieldTrust

Amazon Alexa skill from Northwell Health points users to nearby ERs, away from long waits - via MobiHealthNews

Intermountain Health will launch a virtual hospital next year - via <u>DigitalComm360</u>

NHS waiting times: hospital bosses fear 'a return to 1999 - via guardian

Virtual interviewers may help soldiers speak up about PTSD - via MobiHealthNews

Falling number of nurses in the NHS paints a worrying picture - via TheKingsFund

NHS 'sleepwalking into winter crisis' as waiting times soar to nine-year high - via Independent

Social care: a 'hidden engine' for economic growth by @DavidJ_Brindle - via guardian

Make it easier for foreign doctors to work in Britain, minister told - via guardian

GPs can risk-stratify frail patients in 'only a few minutes' using tool - eFI - via pulsetoday

New £15 million programme to help train up to 1 million mental health 'first aiders - via DHgovuk

NHS straining at the seams year before 70th birthday, finds regulator - via guardian

CQC launched 135 "enforcement actions" against hospitals in 2016/17 (58 in previous year) - via Telegraph

How tech is changing social care - via LTDonline

Sonos announces Alexa-controlled wireless speakers - via TechCrunch

Amazon brings Echo and Alexa to India and soon Japan, its first markets in Asia - via TechCrunch



Care home provision to hit crisis levels in next five years - via WhichUK

NIHR Signal Early discharge 'hospital-at-home' gives similar outcomes to in-patient care - via NIHR DC

Care homes places 'crisis' in five years across England - via BBCNews

Antibiotic resistance could spell end of modern medicine, says chief medic - via guardian

Nation faces older people homelessness 'time bomb' – councils warn - via LGAcomms

Care Minister, Jackie Doyle-Price: homes are not 'assets to pass on to offspring - via Telegraph

Care homes could become most common place to die by 2040 - via guardian

Why are smartphone chips suddenly including an AI processor? - via AndroidAuth

'Home first' model aims to stop patients being stranded on hospital ward - via guardian

The future of mental health technology needs a future to aim for...' - excellent from @MarkOneinFour - via nesta uk

Pre-surgery device helps patients combat stress at a London hospital - via digitalhealth2

Online clinic reactivated following Care Quality Commission suspension - via digitalhealth2

Amazon's quest to become the next Apple - via Telegraph

Jeremy Hunt announces rise in nurse training places amid plummeting number of applications - via Independent

Apple's HomePod is set to have some weird competition - via TechCrunch

Britain's hidden scandal: the disabled people trapped in their own homes - by Frances Ryan - via guardian

Brexit could destroy the NHS. This will hurt us all - says Jonathan Lis - via guardian

Lost in Thought — The Limits of the Human Mind and the Future of Medicine - via NEJM

Is the U.K. ahead with the digitalization of healthcare? - via digitaljournal

Qualcomm Life, Benchmark team up to develop cheap, disposable health monitoring patches - via MobiHealthNews

Cornwall NHS may no longer be paying transport costs for kidney dialysis patients - via Telegraph

Healthcare in digital transformation: digital and connected healthcare - via iscoopbiz



Meet the researcher using Google Street View to help dementia patients with memory loss - via Google

Changing Health can help reverse Type 2 Diabetes - via DHealthLDN

Carrying shopping, gardening, or vacuuming, can help older people lead healthier lives for longer - via <u>BBCNews</u>

NHS is not fit for the 21st century hospital chief inspector warns - via Telegraph

NHS bed shortage crisis leaves hospitals struggling to cope, warns report - via Independent

Brexit 'potentially catastrophic' for the health service, experts suggest in Lancet journal - via Independent

'A how-to guide': Navigating the NHS for entrepreneurs - via DHealthLDN

CCGs find no link between GP hours and A&E attendance - via HSJnews (£ subs)

Stevens: NHS will be forced to open extra beds if DTOCs aren't cut - via HSJnews (£ subs)

The hospital of the future will find you - via medcitynews

Brexit Poses 'Substantial Threat' To Every Part Of The NHS, Lancet Study Warns - via <u>HuffPostUK</u>

NHS staff shortages 'mean patients dying alone' in hospitals - via BBCNews

Ikea has bought TaskRabbit - via Recode

Report: Digitally Savvy Citizens - via CarnegieUKTrust

NHS Digital pushes wider use of SCRs - via **UKAuthority**

A quick and easy guide to all of the different new Amazon Echos - UK release dates - via Telegraph

Abbott's Freestyle Libre becomes first CGM to be FDA cleared for use without fingersticks - via MobiHealthNews

Round 3 of Innovate UK's Innovation in health & life sciences funding competition opens on 2 Oct 2017 - via KTNUK

NHS Innovation Accelerator: a real-world experiment - via nhenews

The NHS IT Strategy - by @mswindells - via NHSEngland

Amazon says there are now 5,000 people working just on Alexa - via qz



Amazon expands its Alexa everywhere strategy, launches new Echo devices, Connect, Plus, Buttons, Spot - via ZDNet

Amazon expands Alexa messaging and calling to the UK and Germany - via verge

Amazon's new \$35 Echo Connect will let you make phone calls - via verge

100-year-olds in UK have almost doubled since 2002, although overall rise in life expectancy slows - via guardian

Instant' blood test for heart attacks - via **BBCNews**

Adult social care sector and workforce by region, 2017 - via skillsforcare

Simon Stevens: A hunger for innovation - via nhenews

Patients must be at the heart of the NHS – and of innovation - via NHSAccelerator

Why are so many GPs shutting up shop? - via guardian

Johns Hopkins develop e-triage tool to more accurately differentiate priority levels - via HopkinsMedicine

Andy Burnham wants Greater Manchester to be first place in country to axe social care charges - via MENnewsdesk

Amazon Alexa is missing one big thing before it gets into health care - by @chrissyfarr - via CNBC

Without clear strategy, social care will continue to lurch from crisis to crisis by @RichardatKF - via guardian

Giant Health Event - London, 28-30 Nov - via gianthealthevnt

Bring your own data' is the next trend in healthcare - via HealthITNews

Peerbridge's wireless multi-channel ECG cleared by FDA - via MobiHealthNews

'A how-to guide': Navigating the NHS for entrepreneurs - via DHealthLDN

Masterclass: healthcare leadership in a digital age, 15 Nov, London - via DHealthLDN

Upcoming event - EHI Live - 31 Oct to 1 Nov, Birmingham - via EHILive

How can Amazon disrupt Healthcare? - via <u>lloydgprice</u>

Half of adults aged 55 and over have experienced common mental health problems, say Age UK - via NHSEngland



An uneven future: ageing population needs innovation, but not at the expense of equal care - via HSJnews (£ subs)

Funding success for digital diabetes treatment - via **BQLive**

Is Amazon on brink of deciding if it will make a big move into selling drugs online? by @chrissyfarr - via CNBC

Major adult social work survey launches in England by @LynRomeo_CSW - via Dhgovuk

Winter is coming and the situation in the NHS is desperate - by @RichardVize - via @guardian

Can you really link delayed discharge to mortality? The evidence is far from clear - via HealthFdn

From the U.S.: Online doctor ratings don't predict actual performance - via Reuters

Digital physical therapy platform Physitrack plans IPO for Q1 2018 - via MobiHealthNews

How Alexa could revolutionise the way we deliver care' - via @DRees PA

Bring your own data' is the next trend in healthcare - via HealthITNews

#NotWithoutMe: A digital world for all? - via CarnegieUKTrust

Verily's goal: Make our bodies produce as much data as our cars - via MobiHealthNews

New #iTECconf17 Blog: 'Are we there yet? – Digital disruption in mental health - via @jononicholas

Childline for older people' gives friendly ear to 10,000 lonely callers each week - via guardian

Bring your own data' is the next trend in healthcare - via HealthITNews

Healthcare: Europe must get ready for the digital revolution now, says EESC - via EU EESC

The NHS needs a digitally savvy workforce to ensure its survival - by Dr Harpreet Sood - via guardian

England and Wales death rate rise could be linked to longer stays in hospital - via guardian

Survey: 59 percent of US adults have used online resources in place of primary care - via MobiHealthNews

Robo care - @PepperSouthend at recent #NCASC17 - via DHGovUK

New £15 million grant scheme to improve mental healthcare - via DHgovuk



Are GPs threatening to remove patients who visit 'Dr Google' first? - via theipaper

Nearly half of all LAs in England spend nothing on dedicated social isolation services - via Independent

How to control your television with any object - via **BBCNews**

Jeremy Hunt: Is government on track with more GPs promise? - via BBCNews

Insulin pumps are linked to lower risk of complications in young people - via bmj latest

Propeller Health releases asthma forecasting API for open use - via MobiHealthNews

One in three London car journeys could be replaced by Autonomous Vehicles by 2025 - via NewsfromTRL

Emergency admissions: why are they growing so fast? - via HealthFdn

Shocking figures show there are now 124 million obese children worldwide - via guardian

NHS England boss calls for extra budget funds to cope with rising demand - via guardian

New ideas that redefine the way we shop - via **BBCNews**

Would you trust a chatbot therapist? - via **BBCNews**

How your blood may predict your future health - via guardian

If social care goes down, we all go down, warns @nhsconfed in response to CQC report - via NHSConfed

Older people don't need to suffer depression or anxiety in silence - by Ann Robinson - via guardian

Why mental health services in England are finally receiving attention - via guardian

CQC: Most people are getting good, safe care but future quality precarious' - via CQC

State of Care - Annual Report from @CareQualityComm - via CQC

Most people are getting good, safe care but future quality is precarious - via CareQualityComm

Investing in warmer housing could save the NHS billions - via Independent

Quality and safety at risk in NHS funding gap - via SkyNews

NHS future precarious, says regulator - via **BBCNews**

Global cost of obesity-related illness to hit \$1.2tn a year from 2025 - via guardian



GPs should get patients to take their own measurements in war on obesity - via Telegraph

2 Learning and Events

Click on the links below for conferences and learning events over the coming months.

EHI Live, 31 Oct/1 Nov 2017, Birmingham https://www.ehilive.co.uk/en/home.html

Masterclass: healthcare leadership in a digital age, 15 Nov, London - via DHealthLDN

For events taking place during Scotland's Digital Health and Social Care Week - more info - via SCTT_NHS24

Scottish Digital Health and Social Care Conference, 22 November 2017 - via SCTT_NHS24

Giant Health Event - London, 28-30 Nov - via gianthealthevnt

3 Other useful links

Housing Learning and Improvement Network www.housinglin.org.uk Twitter: @HousingLIN

Telecare Learning and Improvement Network www.telecarelin.org.uk

Telehealth and Telecare Aware - daily news and comments www.telecareaware.com

DigitalHealth.net http://www.digitalhealth.net/

TSA – The Voice of Technology Enabled Care https://www.tsa-voice.org.uk/

Newsletter prepared by Mike Clark (@clarkmike) and brought to you by the Telecare LIN

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