November 2017 Newsletter

# Welcome

Welcome to the November 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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# Main News Links

## 1.1 Telecare, Telehealth, Mobile & Digital Health, Telemedicine

Can Alexa be a telecare system to listen out when you need emergency help? - via [LWdisability](http://bit.ly/2hp9pAX )

Study: An Interactive Telecare System Enhanced with IoT Technology - via [IEEEXplore](http://bit.ly/2hq0BKP )

People are increasingly using virtual assistants as their closest confidantes and Apple, Google and Amazon are responding. But are we telling them too much? - via [guardian](http://bit.ly/2yLjRsZ )

Pacifica launches a new online therapy service that integrates with its self-help app - via

[TechCrunch](http://tcrn.ch/2mqc6Ha)

Information and Communication Technologies for the Activities of Daily Living in Older Patients with Dementia: A Systematic Review - via [Study](http://bit.ly/2mlkHuT)

Blind Runner’s Wearable Technology Gets Off to Complicated Start - via [nytimes](http://nyti.ms/2j8EJr2 )

Report: With today's technology, digital health could save US $7 billion - via [MobiHealthNews](http://bit.ly/2hpXgLt )

In small study, wearable technology helps smokers quit - via [MobiHealthNews](http://bit.ly/2htzWwd )

Report finds that Leeds is at the forefront of Britain’s smart health initiatives due to its development of integrated approaches to health and care services - via [digitalhealth2](http://bit.ly/2mo0K6K )

How mHealth Technology Improves Population Health Messaging - via [mHealthIntel](http://bit.ly/2iALhvq )

From the U.S.: Express Scripts rolls out smart inhalers in digital health push - via [FierceBiotech](http://bit.ly/2iAniwm )

Upcoming events in Scotland covering #digitalhealth & technology enabled care for W/C 20 Nov 2017 - via [SCTT\_NHS24](http://bit.ly/2yvZxPV )

Smartphone GP service 'risks luring doctors from frontline practice - via [guardian](http://bit.ly/2y8RK6w )

The doctor will see you now: NHS starts smartphone consultations - via [thetimes (£)](http://bit.ly/2hjxewZ )

Israeli treatment adherence company launches smart medication storage device - via

[MobiHealthNews](http://bit.ly/2zEH3N1)

Seeing a GP on a smartphone sounds wonderful – but it's not - says Naureen Bhatti - via [guardian](http://bit.ly/2AOZXOb)

New Framework Paper on Health and Care Technologies from @trishgreenhalgh & colleagues - via [JMIR](http://bit.ly/2iyb07b )

Video: Man with Alzheimer's disease and his wife test new technology which could help them by connecting them remotely to support services (Surrey) - via [SkyNews](http://bit.ly/2yYd3wn )

New Scripps ResearchKit app uses 23andMe data to predict heart disease risk - via [MobiHealthNews](http://bit.ly/2zTut9v )

From the U.S.: Help Patients By Allowing More Telemedicine - via [Forbes](http://bit.ly/2hpLWzy )

From the U.S.: Telehealth Advocates Push for Expanded Use - via [medpagetoday](http://bit.ly/2hqfME2 )

Zesty recognised as top UK firm in digital innovator hotlist - via [digitalhealth2](http://bit.ly/2zSHcJu )

Here's what happened when we gave a Baby Boomer two fitness trackers by @chrissyfarr - via

[CNBC](http://cnb.cx/2zS6wzc )

$3.5 Billion Has Been Invested In Digital Health So Far In 2017. Here’s Where Industry Is Going - via [HuffPost](http://bit.ly/2zRiDfR )

Telemedicine's Promise for Treating Hypertension - via [HCA\_News](http://bit.ly/2hpor9y )

Digital health: Current state & future growth 2017-2025 - via [HealthStandards](http://bit.ly/2hmKlua )

Digital Health CEO to provide health check on NHS IT market at EHI Live - via [digitalhealth2](http://bit.ly/2zQ0C1s )

Barts Health to expand online appointments with national programme - via [digihealthnews](http://bit.ly/2zRBszM )

Echo gets £7m funding boost for mobile prescription management app - via [digitalhealth2](http://bit.ly/2hgPlAk )

How the Australian Digital Health Agency is helping create a seamlessly connected system - via

[OpenGov\_Asia](http://bit.ly/2m0YfHg )

CMS, AMA Look for Common Ground on Remote Patient Monitoring - via [mHealthIntel](http://bit.ly/2m0JaoZ )

Researchers cut arthritis consultation costs with mobile app - via [HealthITNews](http://bit.ly/2lZg614 )

Telemedicine is a game changer. I’m glad the NHS is embracing it - says Matthew Hughes - via

[TheNextWeb](http://bit.ly/2ja4veN )

Always on call: UK's NHS pilot provides video consultations via iOS app - via [app…](NULL)

Chief nurse (@Anniecoops) calls for the profession to share same electronic language - via

[digitalhealth2](http://bit.ly/2hgA1XH)

Telehealth system trialled with cancer patients in Merseyside - via [digitalhealth2](http://bit.ly/2he5gTl )

How Digital Health Care Can Help Prevent Chronic Diseases Like Diabetes - via [HarvardBiz](http://bit.ly/2ynYdPo )

New self-test service for heart patients in Manchester - via [digitalhealth2](http://bit.ly/2ynGojC )

Another view: of private doctor apps by Neil Paul - via [digitalhealth2](http://bit.ly/2htYxBC )

Use and value of mobile diabetes apps' - bit.ly/2huMaVX via @HuffPos - via [Huffpost](http://bit.ly/2huPdNM)

Feasibility Study Shows Glooko’s App Improves Glycemic Control in People With Type 2 Diabetes - via [BusinessWire](http://bit.ly/2hv01eZ )

University of Manchester launches BeeActive app to improve fitness - via [digitalhealth2](http://bit.ly/2htjOvm )

Report: Health app supply outstripping demand, leaving small developers behind - via

[MobiHealthNews](http://bit.ly/2zFBTjO )

FDA approves pill with sensor that digitally tracks if patients have ingested their medication - via [US\_FDA](http://bit.ly/2hrQhln )

With $11.6M, EEG wearable maker Interaxon goes after mental health professionals, corporate wellness - via [MobiHealthNews](http://bit.ly/2hqw5ju )

First Digital Pill Approved by FDA to Worries About Biomedical ‘Big Brother - via [nytimes](http://nyti.ms/2hyqN9p )

New research determines that there are now 318,500 health-related consumer apps, yet most apps have been downloaded fewer than 5,000 times - via [HealthITNews](http://bit.ly/2mjPFDv )

US Survey: Health insurers unseat app stores as most important health app distributors of the future - via [medcitynews](http://bit.ly/2mlzINd )

Digital health impact grows, promising cost savings - via [BioPharmaDive](http://bit.ly/2mlxqxF )

University of Mississippi Medical Center’s telehealth director says video visits won’t work without access to broadband - via [FierceHealth](http://bit.ly/2yWpAR3 )

Aetna working with Apple on health and fitness apps - via [axios](http://bit.ly/2yWmoou )

With Fitbits, STSI Adds mHealth to its Precision Medicine Project - via [mHealthIntel](http://bit.ly/2yXd3wk )

Low- and middle-income countries have been forced to be “innovative and ingenious” in finding low-cost and effective approaches for their growing older populations - via [guardian](http://bit.ly/2yW4yBZ )

GPs are not to introduce online consultation services until there is ‘clear evidence’ that it is beneficial to patients, a conference has heard - via [digitalhealth2](http://bit.ly/2mkJeQJ )

Scottish Digital Health and Social Care Conference November 22nd 2017 - University of Strathcylde - via [SCTT\_NHS24](http://bit.ly/2iIICPO )

NHS England chief exec calls for Brexit funding pledge to be honoured - via [digitalhealth2](http://bit.ly/2zHQ2h0 )

FDA approves first telehealth option to program cochlear implants remotely - via [US\_FDA](http://bit.ly/2iyIKCg )

Mobile app improves quality of care, health outcomes in IBD - via [HealioGastro](http://bit.ly/2AXTnFd )

A health app that tries to stimulate behavioural change to improve well-being is being trialled by small parts of the NHS - via [bt\_uk](http://bit.ly/2jEDvUR )

The Scottish Digital Health and Care Week is here - via [SCTT](http:// sctt.org.uk/events/)

FDA OKs Prescription mHealth Wearable to Treat Opioid Withdrawal - via [mHealthIntel](http://bit.ly/2zdBh60 )

From the U.S.: New Survey Takes Telemedicine Beyond Pilots, Into Growth Phase - via [mHealthIntel](http://bit.ly/2mACka1)

FDA approves 'trackable' pill - via [BBCNews](http://bbc.in/2iVMHjK )

Study shows digital health is not ‘just for millennials' - via [digitalhealth2](http://bit.ly/2iX573q )

NHS pilot will see thousands test drive a number of digital platforms which have been designed to tackle obesity and Type 2 diabetes - via [digitalhealth2](http://bit.ly/2iVogCM)

Machine learning app Migraine Alert warns patients of oncoming episodes - via [MobiHealthNews](http://bit.ly/2zTlncB )

Digital health technologies can reinvigorate older population - via [MobiHealthNews](http://bit.ly/2zHAMNc )

From the U.S.: Zocdoc appointment booking app now verifies insurance with AI - via [MobiHealthNews](http://bit.ly/2hnWaQF )

VIDEO: Telehealth, virtual assistants may help reduce administrative burdens of allergy practice - via [GoHealio](http://bit.ly/2ho8DEf )

University of Manchester launches city fitness application - via [ComputerWeekly](http://bit.ly/2hmKbmy )

A 24-hour ‘video chat app’ aiming to slash waiting times launches across London - via

[digitalhealth2](http://bit.ly/2lYAYp6 )

Telemedicine – Are There Increased Risks With Virtual Doctor Visits? - via [natlawreview](http://bit.ly/2m2k6hf )

NHS offers smartphone GP appointments in West London - via [BBCNews](http://bbc.in/2hgcgze )

Pacifica launches a new online therapy service that integrates with its self-help app - via

[TechCrunch](http://tcrn.ch/2mqc6Ha)

Wearable assists home recovery after total knee replacement surgery - via [MobiHealthNews](http://bit.ly/2hp2erP )

UK tech company launches Type 2 Diabetes prevention app in Singapore - via [digitalhealth2](http://bit.ly/2zIIRVP )

US Survey: 53% of healthcare execs, providers plan to grow telemedicine programs - via

[BeckersHR](http://bit.ly/2iAsAIw )

Telehealth startup out to raise €20m for UK and US expansion - via [IndoBusiness](http://bit.ly/2hRS32R )

mHealth Startup Uses a Smartphone App to Detect Sickness in Speech - via [mHealthIntel](http://bit.ly/2zctTrm )

Apple delays launch of HomePod smart speaker - via [BBCNews](http://bbc.in/2zbIqUj )

Video calling service to be launched across all care homes in Liverpool - via [digitalhealth2](http://bit.ly/2mBk5kX )

## 1.2 Smart Home Technologies & Internet of Things

Smart Fabric Uses Magnetic Fields to Store, Transmit Data Without Electronics - via [DesignNews](http://ubm.io/2zCYWM1 )

Building Bristol’s smart operations - via [UKAuthority](http://bit.ly/2mlYCft)

Spire’s tiny health tracker tags can smarten up your dumb clothes - via [DigitalTrends](http://bit.ly/2iBjGu9 )

Germany bans children's smartwatches - via [BBCNews](http://bbc.in/2zc7NW6 )

Connected and calm: how smart-home tech is giving family carers peace of mind - via [guardian](http://bit.ly/2iZ98UZ)

Smart speaker technology trial in Wales to aid supported living - via [BBCNews](http://bbc.in/2hO18Kg )

## 1.3 Health Tech

The Problem of Wearable Technology Data Collection and EU Regulation - via [DigitalSalutem](http://bit.ly/2mnUqvJ )

Pencil-like spectrometer connects to smartphones for easy imaging - via [MobiHealthNews](http://bit.ly/2zEY2Pd )

NHS could have fended off Wannacry disruption says NAO report - via [digitalhealth2](http://bit.ly/2hdLqEF )

Standards set on sharing children’s health information - via [digitalhealth2](http://bit.ly/2zJigrS )

NHS trust introduces electronic whiteboards to improve patient safety - via [digitalhealth2](http://bit.ly/2j07WAZ )

Belfast trust green-lights digital tagging system for tracking patient records - via [digitalhealth2](http://bit.ly/2yozY3m )

Apple has acquired imaging sensor startup InVisage Technologies - via [TechCrunch](http://tcrn.ch/2hnyi31 )

Researchers talk up potential of wearable and implantable tech for people with COPD - via

[digitalhealth2](http://bit.ly/2iVxHSS )

Seniorlink patients tied to tech-enabled care managers used fewer inpatient hospital/ER services - via [HC\_Finance](http://bit.ly/2hnG0Hd )

Hololens tech used in bowel cancer surgery - via [BBCNews](http://bbc.in/2yN5Goc )

Better use of tech should be first priority for any healthcare service provider: Tim Kelsey - via

[ETHealthWorld](http://bit.ly/2zY46zg )

How Sweden is giving all citizens access to their electronic health records - via [FutureHealth](http://bit.ly/2zWn9K4 )

End of the supermarket? Big brands sign up for high-tech service that could cut prices by a third - via [Telegraph](http://bit.ly/2htKZ9j )

Empowerment is the key to a connected society - by @RCNeaman - via [ComputerWeekly](http://bit.ly/2hpZrP9 )

PM tells NHS boss he will be accountable for winter performance - via [guardian](http://bit.ly/2meMr4c )

Scottish Government outlines cyber security action plan - via [BBCNews](http://bbc.in/2zIh9Zc )

Tech revolution is coming to healthcare - GPs must be part of it - by @RichardVize - via [guardian](http://bit.ly/2jGQncY )

£21m to boost UK’s world-class tech sector and spread the benefits across the country - via

[DCMS](http://bit.ly/2ASupIm )

Government will deliver at least 89 digital services by 2020, says Caroline Nokes - via [ComputerWeekly](http://bit.ly/2iZbfYS )

An expert sounds the alarm about unchecked sharing of health app data - via [statnews](http://bit.ly/2hrHWhK )

## 1.4 Robotics, AI and VR

Berlin’s Ada Health raises $47M to become the Alexa of healthcare - via [TechCrunch](http://tcrn.ch/2iiu8FR )

Computer says no: why making AIs fair, accountable and transparent is crucial - by Ian Sample - via [guardian](http://bit.ly/2m6bLJN )

Salesforce to offer more customized AI with myEinstein - via [TechCrunch](http://tcrn.ch/2hK2pPa )

From A Robotic Cat To Virtual Reality: How Tech Is Assisting Seniors And Caregivers - via [WBUR](http://wbur.fm/2hsG20s )

After Delays, “Social Robot” Jibo Enters Home Assistant Fray - via [Xconomy](http://bit.ly/2zEiyMz )

Robot shelf-scanners to patrol Walmart stores - via [SmartCompany](http://bit.ly/2htkgtz )

Boston Dynamics CEO: ‘Robotics will be bigger than the Internet - via [CNBCMakeIt](http://cnb.cx/2hscIqw )

Virtual reality connects surgeons from across the globe - via [digitalhealth2](http://bit.ly/2hdVqNX )

Telemedicine Robots: Out of Science Fiction and Into the Mainstream - via [mHealthIntel](http://bit.ly/2zEsqGc )

AI Could Help Apple Watch Predict High Blood Pressure, Sleep Apnea - via [WIRED](http://bit.ly/2hpxV4r )

CarePredict to roll out AI, wearable-based monitoring system in Santa Fe senior care center - via [MobiHealthNews](http://bit.ly/2zFNKOE )

Machine learning delivers insight into medication’s effects on stroke patients - via [digitalhealth2](http://bit.ly/2iAI3Iu )

£1.64 million digital platform could make care industry more efficient - via [DailyEchoRachel](http://bit.ly/2hqlRQB )

Robot-Assisted Surgery Costs More But May Not Be Better - via [WSJ (£)](http://on.wsj.com/2zUbVG6 )

It’s 2017. Why does American medicine still run on fax machines? - via [voxdotcom](http://bit.ly/2hrlNjM )

How AI could revolutionize healthcare in Africa long before the United States - via [Newsweek\_INT](http://bit.ly/2gZ5NIQ )

3 best practices for integrating AI in health care - via [VentureBeat](http://bit.ly/2hnnsqp )

Japanese researchers say AI can detect bowel cancer in less than a second - via [ZDNet](http://zd.net/2gUMTms )

Robots/AI could help detect bowel cancer in less than a second - study - via [Telegraph](http://bit.ly/2zT2lmJ )

NHS failing to tackle 'significant safety risks', warns its medical chief - via [Telegraph](http://bit.ly/2hiujBE )

Flying drones and robots now patrol distribution warehouses - via [BBCNews](http://bbc.in/2zJBQAi )

Council justifies its £17k spend on robot - @PepperSouthend - via [EssexEcho](http://bit.ly/2zEgBzI )

Pepper the robot to take on social care tasks - via [localgoveditors](http://bit.ly/2zErtxC )

Southend unveils robot to help transform social care services and inspire next generation - via

[LeighOnSeacom](http://bit.ly/2yMuzlY )

Tory MPs demand bailout for care agencies in £400m backpay crisis - via [guardian](http://bit.ly/2ziHU5U )

Want to look after the NHS? Then give EU nurses the right to remain - via [NewStatesman](http://bit.ly/2iwVmsP )

Patients waiting at least an hour in ambulances double in two years - via [guardian](http://bit.ly/2iwsfWb )

Final Report of Industrial Strategy Commission - sustainable health & soc care references - via

[IndStrategyComm](http://bit.ly/2htQHbi )

Artificial intelligence risks GM-style public backlash, experts warn - via [guardian](http://bit.ly/2zXFtCv )

With more consumer #TECS available, would a comparison site be helpful - via [TSAVoice](http://bit.ly/2zjryqZ)

Researchers adding AI, medication reminders to companion robots for seniors - via

[MobiHealthNews](http://bit.ly/2zFq6BO )

Tug, the Busy Little Robot Nurse, Will See You Now - via [WIRED](http://bit.ly/2hpbkEZ )

Trinity College Dublin researchers unveil Stevie the prototype care robot - via [rte](http://bit.ly/2zGfbYR )

New AirMini feature allows clinicians to monitor patients sleep remotely - via [MobiHealthNews](http://bit.ly/2hqw8vG )

Study shows VR could help children manage pain, anxiety at the doctor's office - via

[MobiHealthNews](http://bit.ly/2zEIn29 )

Study: Lark's AI coach could help with weight loss, diabetes prevention - via [MobiHealthNews](http://bit.ly/2zEP6Jm )

Mercy Virtual Care - In the near future, the hospital’s administrators believe, instead of earning fees for each treatment administered, insurers and the government will pay Mercy to keep patients well - via [politico](http://politi.co/2mlBePp )

Could virtual reality help treat anxiety? - via [BBCNews](http://bbc.in/2iIP9d7 )

Saving Social Care: A Fair Funding Settlement for the Future - via [IndependentAge](http://bit.ly/2mm9Z7i )

Britain’s socially excluded ‘10 times more likely to die early - via [guardian](http://bit.ly/2yVPVhN )

Long waits in A&E have increased by 557% in seven years, NHS data reveals - via [guardian](http://bit.ly/2mhPmsG )

Could virtual reality help treat anxiety? - via [BBCNews](http://bbc.in/2iIP9d7 )

Number of NHS patients waiting over six months for surgery up 40% - via [guardian](http://bit.ly/2iKcA5J )

NHS needs £24bn more by 2022 or waiting lists will grow and care be hit - via [guardian](http://bit.ly/2m2BuCR )

From Israel: Vaica launches new medication dispenser to increase patient compliance - via

[ISRAEL21C](http://bit.ly/2AXwnq4 )

From Australia: Where should we use robots in care services? - via [TheMandarinAU](http://bit.ly/2hOkUoE )

Chinese robot becomes world's first machine to pass medical exam - via [chinadaily](http://bit.ly/2jK7Npq )

EU supported projects in #robotics for European Robotics Week - via [ERW2017](http://bit.ly/2jK2feA)

How virtual reality is taking dementia patients back to the future - via [guardian](http://bit.ly/2hOy4lB )

Chancellor has rejected NHS chief’s plea for an emergency £4bn injection in this week’s Budget, accusing him of exaggerated claims of a crisis - via [Independent](http://ind.pn/2hLTboA )

Movin’ Out(patient) – The Future of the Hospital is Virtual at UPMC - via [healthpopuli](http://bit.ly/2zciA2m )

NHS chiefs consider mandatory three-month wait for non-urgent operations to save stretched funds - via [Independent](http://ind.pn/2mDfAq0 )

Charity helping people suffering from anorexia and bulimia reveals people waiting up to five years to start treatment - via [guardian](http://bit.ly/2zLXzIT )

Half of over-65s are taking at least five drugs a day - via [MailOnline](http://dailym.ai/2zIslSN )

## 1.5 Policy, guidance, announcements, miscellaneous

Homeowners offered up to £1k pm by NHS to rent rooms as part of Airbnb model to free up hosp beds - via [MailOnline](http://dailym.ai/2yRdZRO)

Health Dept told to 'get act together' after NHS hack report exposes basic IT security failings - via [Independent](http://ind.pn/2zHJ8o8 )

Amazon introduces paid subscriptions for Alexa skills - via [TechCrunch](http://tcrn.ch/2zDpl9j )

Watchdog warns new funding caps will drive disabled people into care homes - via [Independent](http://ind.pn/2zFlW9O)

Early discharge ‘hospital-at-home’ gives similar outcomes to in-patient care - via [NIHR\_DC](http://bit.ly/2lZvfzz )

From U.S.: iHealthHome Launches Innovative Care Planning Tool to Enable Seniors to Thrive at Home - via [prweb](http://bit.ly/2j5ZMut )

Palliative care delays mean terminally ill patients risk dying in hospital rather than at home - via [Independent](http://ind.pn/2lDUWFu )

Early discharge ‘hospital-at-home’ gives similar outcomes to in-patient care - via [NIHR\_DC](http://bit.ly/2lZvfzz )

District nurses play a vital role in keeping patients out of hospital by providing care in their own homes, but official figures show their numbers have nearly halved since 2010 - via

[BBCNews](http://bbc.in/2iC0b4D )

From the U.S.: A new role for first responders: providing in-home health care - via [statnews](http://bit.ly/2iATno1 )

Average care home fees jump to £33,000 per year - pushing the average stay to over £80,000 - via [Telegraph](http://bit.ly/2zKp8SV )

India overtakes the US to become the world’s second largest smartphone market - via [TechCrunch](http://tcrn.ch/2iCIZyZ )

From Australia: Innovative technology brings the future to aged care - via [talkingagedcare](http://bit.ly/2j7rSpf )

WEBINAR Integrated Care Matters Series 2 - Technology Enabled Care for Older People - 20 Nov - via [IFICInfo](http://bit.ly/2huJbgi )

Digital Health and Care Congress 2018 - call for projects (deadline 15 Dec 2017 - via

[TheKingsFund](http://bit.ly/2hqoHoG )

Macmillan Cancer Support launches own digital nurse to combat ‘fake news’ - via [digitalhealth2](http://bit.ly/2zR463S )

Health Education England launches online workshop on improving digital readiness - via

[digitalhealth2](http://bit.ly/2hpUJkq )

What life will be like when the computers disappear - via [USATODAY](http://usat.ly/2hqxYNn )

Useless' surgical masks and robots could be scrapped to help save NHS £150 million a year - via

[Telegraph](http://bit.ly/2m3QhwL )

NHS is in an “extremely challenging” position with winter approaching because hospitals have failed to free up enough beds - NHSI - via [guardian](http://bit.ly/2AOf62l )

Extra £556m for adult social care in 2016-17 did not alter service activity, say NHS Digital - via

[CommunityCare](http://bit.ly/2hru1Zc )

NHS England lays digital plans for STPs - via [UKAuthority](http://bit.ly/2zWyoSN )

AMA President: Digital innovations need to fight, not add to, physician burnout - via [MobiHealthNews](http://bit.ly/2hqjHke )

On a journey towards better integrated health and social care by @ewandking - via [SCIE](http://bit.ly/2hq3J9J )

How the UK can lead a fourth industrial revolution - via [Telegraph](http://bit.ly/2zS8sYl )

600,000 of the current 2.2m positions in the construction industry could be automated by 2040 - via [Telegraph](http://bit.ly/2zUgtvU )

Report says digital industrialisation could benefit UK economy by £455bn over next decade - via [New\_Electronics](http://bit.ly/2zRchxe )

NHS bosses issue 'cry for help' after years of Government funding cuts - via [Independent](http://ind.pn/2zTvG0y )

European Commission to invest EUR 6 billion in digital research in 2018-2020 - via [DSMeu](http://bit.ly/2zR4HTc )

NHS in 'toughest ever financial situation', says outgoing trust boss - via [SkyNews](http://bit.ly/2ho2bgp )

5 things digital leaders do differently - via [zoeamar](http://bit.ly/2hmOyy7 )

Here’s How You Know Your Industry Is About To Be Disrupted - via [Digitaltonto](http://bit.ly/2zPL122 )

Qualcomm: 5G will power the push toward outcome-based care - via [MobiHealthNews](http://bit.ly/2zRiJ75 )

Medical chief's solution for NHS 'safety problems - via [SkyNews](http://bit.ly/2hodyEY )

Dr. Alexa? What Amazon might do in health care - via [USATODAY](http://usat.ly/2hm8PUs )

Why Every Organization Needs an Augmented Reality Strategy - via [HarvardBiz](http://bit.ly/2hnqFX8 )

Best-Ever Algorithm Found for Huge Streams of Data - via [WIRED](http://bit.ly/2hlUB5W )

NHS England workforce planning 'not fit for purpose', says report - via [guardian](http://bit.ly/2zQG3lu )

Chancellor will not fund nurses' pay rise unless NHS is made more efficient, Jeremy Hunt suggests - via [Telegraph](http://bit.ly/2hlIB4v )

NHS trusts left vulnerable in major ransomware attack - NAO report - via [BBCNews](http://bbc.in/2zHB5HR )

NHS hospital drops out of scheme to rent spare rooms to patients - via [Independent](http://ind.pn/2zGjbVF )

BT to cut landline costs for up to one million people - via [BBCNews](http://bbc.in/2havqD7 )

New York borrows a health care idea from Africa - via [politico](http://politi.co/2zEP1Cc )

NHS to pay people up to £1,000 a month to house post-op patients - via [guardian](http://bit.ly/2gI8rCB )

How a graphene tattoo could monitor your health - via [BBCNews](http://bbc.in/2yPCdf7 )

Could science fiction save NHS data and improve our health? - Anne Perkins - via [guardian](http://bit.ly/2yJtKrS )

NHS hospitals could carry out 280k more non-emergency ops a year with better schedules - study - via [BBCNews](http://bbc.in/2yNEyHp )

Patient care deteriorating as NHS heads into winter on a knife edge - via [TheKingsFund](http://bit.ly/2m4Q3Wy )

Digital/eHealth NMAHP event - Glasgow, 20 Nov 2017 - via [SCTT\_NHS24](http://bit.ly/2lZrRVn )

Digital coaching increases RA patients' medicine adherence and health while reducing flares - via [medical\_xpress](http://bit.ly/2m0JpjT )

The NHS workforce is under more pressure than ever. But there is hope - by Saffron Cordery - via [guardian](http://bit.ly/2lZgUD8 )

Building A.I. That Can Build A.I. - via [nytimes](http://nyti.ms/2j5ZXWR)

What Will We Put Wireless Sensors On Next? - CliQ - via [HuffPost](http://bit.ly/2Ao3kfH )

NHS staff 'working on edge of safety' - NHS Providers - via [BBCNews](http://bbc.in/2j6ZW4X )

NHS trusts urge Government to recognise how much NHS relies on immigration - via [Independent](http://ind.pn/2j5sbAT)

Doubt over EU staff in NHS threatens patient care, hospital bosses say - via [guardian](http://bit.ly/2ApzG9Z )

NHS to open its first A&E for older people - via [Telegraph](http://bit.ly/2y6Ecsp )

Health reform should start by looking at the first and last days of life - by @RichardVize - via

[guardian](http://bit.ly/2zgzWua )

Five new medicines to be fast-tracked annually to NHS patients - via [BBCNews](http://bbc.in/2h5M9Ho )

Social care funding can't take any more setbacks. It needs reform now - says Jane Ashcroft - via

[guardian](http://bit.ly/2ivqbxP )

Leading charities urge Government to address 'crisis' of mental health services in UK - via

[Independent](http://ind.pn/2iwtAfT )

Accelerated access scheme means patients will get new treatments faster - via [DHgovuk](http://bit.ly/2lKzjDD )

Legal action being considered over proposals to 'restructure' NHS towards accountable care orgs - via [Independent](http://ind.pn/2lM7KcZ )

Do NHS operating theatres really have 'wasted time'? - via [BBCNews](http://bbc.in/2lGClsv )

EU nurses 'turning their backs on UK - via [BBCNews](http://bbc.in/2lGXHGn )

New sleep-in shift pay scheme launched to support social care sector & identify back pay for workers - via [DHgovuk](http://bit.ly/2lEtk3j)

From the U.S.: 5G is coming in 2019: Here's what hospitals should know about it - via

[HealthITNews](http://bit.ly/2zXleoK )

Despicable' fraud costs NHS in England £1bn a year - via [BBCNews](http://bbc.in/2zXlFPF )

One Drop and Fitbit Announce Diabetes Collaboration - via [HCA\_News](http://bit.ly/2zWcfE5 )

Hands on with the new iPhone X - via [Independent](http://ind.pn/2zUzHBQ)

How will our future relationship with the EU shape the NHS? - via [NuffieldTrust](http://bit.ly/2zEKh35 )

Half of US adults have high blood pressure in new guidelines - via [APNews](http://bit.ly/2hrJsjy )

Study finds older adults can benefit from digital therapy - via [MobiHealthNews](http://bit.ly/2zDAWs8 )

SleepScore Labs launches bedside sleep monitor to consumers - via [MobiHealthNews](http://bit.ly/2zF3pxU )

Emotional toll of diabetes 'needs more recognition’ - via [BBCNews](http://bbc.in/2hqlQvK )

One in five European NHS doctors plans to quit UK, survey reveals - via [guardian](http://bit.ly/2hqnvBl )

Fitbit chosen for long-term US health study - via [engadget](http://engt.co/2yWPRhL )

Amazon makes Cambridge heart of Alexa and drone innovation with new offices - via

[guardian](http://bit.ly/2yWf4ce)

New Scottish GP recruitment plans to cut workload - via [BBCNews](http://bbc.in/2yWXAg4 )

NHS cracks down on mental health patients being sent out of area - via [guardian](http://bit.ly/2mlMhYH )

UK is most obese country in western Europe, OECD finds - via [guardian](http://bit.ly/2mh8BD4 )

The Age Wave Is Transforming Longevity—and It’s Just the Beginning - via [singularityhub](http://bit.ly/2zwmK1R )

NHS battle for money: Where will it end? - via [BBCNews](http://bbc.in/2zzgGpH )

Use of an electronic consultation system in primary care: a qualitative interview study - via

[BJGPjournal](http://bit.ly/2zJH17d)

Low-cost device to help diagnose skin cancer wins international Dyson award - via [guardian](http://bit.ly/2zp0Dgb )

Brexiters must honour extra cash pledge for NHS, says health chief - via [guardian](http://bit.ly/2m3m80H )

Thousands living with advanced cancer, says Macmillan - via [BBCNews](http://bbc.in/2m4cU4o )

We want our Brexit cash boost - NHS boss expected to say - via [BBCNews](http://bbc.in/2m4OAzq )

These little-known commercial bodies could run health services. Are they legal? - Denis Campbell - via [guardian](http://bit.ly/2lZV1DC )

NHS could 'pop' without emergency cash boost, health bosses told - via [guardian](http://bit.ly/2m2enbw )

Patient care deteriorating as NHS heads into winter on a knife edge - via [TheKingsFund](http://bit.ly/2m4Q3Wy )

Cancer tests in supermarket car parks to be launched by NHS - via [Independent](http://ind.pn/2iADBcz )

Budget boost for NHS to fall well short of management demands - via [guardian](http://bit.ly/2AWTbWO )

FDA: Medical Device Orgs Must Offer Patient Access to Health Data - via [PEHealthIT](http://bit.ly/2izag2k )

Thousands to access diabetes and obesity prevention services - via [HealthBusiness\_](http://bit.ly/2hOM2nQ )

Uber donates $1 million to Meals on Wheels - via [MobiHealthNews](http://tcrn.ch/2AWEwuY )

In-Depth: How digital sensors could change the face of pharma - via [MobiHealthNews](http://bit.ly/2AYjmN3 )

Budget 2017: UK to launch self-driving cars on British roads by 2021 - via [guardian](http://bit.ly/2jCBjgD )

Ninety MPs have signed a letter calling on the prime minister to set up a cross-party convention on the future of the NHS and social care in England - via [BBCNews](http://bbc.in/2jCZknA )

Senior Tories demand cross-party action on social care crisis - via [Independent](http://ind.pn/2hHlMeQ )

Cross-party MPs request urgent non-partisan debate on future of NHS - via [guardian](http://bit.ly/2jAm9Zh )

Finally, a tariff for digital innovations by @tara\_donnelly1 - via [lloydprice](http://bit.ly/2mB1DZE )

Number of people living with diabetes has tripled since 2000, pushing the global cost of the disease to $850 billion a year - via [FortuneMagazine](http://for.tn/2mCvjpd )

Role of family goes unacknowledged in Government’s Social Care Green Paper statement - via

[CarersUK](http://bit.ly/2mzfWhj )

Government plans to reform England's social care are an opportunity missed by @DavidJ\_Brindle - via [guardian](http://bit.ly/2myHvqQ )

Future Development in Global Digital Exemplars - via [NHSEngland](http://bit.ly/2APRbj0 )

Government to set out proposals to reform care and support - via [cabinetofficeuk](http://bit.ly/2ANaF7W )

Spotlight on COPD research - via [NIHRCRN](http://bit.ly/2zJRnBj )

Thousands of people set to access diabetes and obesity prevention services through the touch of a button - via [NHSEngland](http://bit.ly/2zJ9dUP )

Study: older patients who do not see the same GP are at higher risk of emergency hospital admissions than those who saw the same or a small number of GPs - via [pulsetoday](http://bit.ly/2iWARpu )

BMJ Opinion: Jeremy Hunt must consult properly on accountable care organisations - via

[bmj\_latest](http://bit.ly/2iX8Ca4)

A quick guide to intermediate care by @ewandking - via [dhgovuk](http://bit.ly/2iYa0cF )

Disabled people aged 18-64 make up a third of all social care users, yet they are not getting the support they need - via [guardian](http://bit.ly/2zL90Ao )

A&E units, GP surgeries and walk-in centres to close as cash crisis bites - via [guardian](http://bit.ly/2zJJk7z )

Alarming' rise in number of nurses leaving NMC register continues - via [NursingTimes](http://bit.ly/2lGklyz )

# 2 Learning and Events

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

Giant Health Event - London, 28-30 Nov - via [gianthealthevnt](http://bit.ly/2ywFd0X )

# 3 Other useful links

Housing Learning and Improvement Network [www.housinglin.org.uk](http://www.housinglin.org.uk) Twitter: @HousingLIN  
  
Telecare Learning and Improvement Network [www.telecarelin.org.uk](http://www.telecarelin.org.uk)   
Telehealth and Telecare Aware – daily news and comments [www.telecareaware.com](http://www.telecareaware.com)   
  
DigitalHealth.net <http://www.digitalhealth.net/>   
  
TSA – The Voice of Technology Enabled Care <https://www.tsa-voice.org.uk/>

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