# Welcome

Welcome to the May 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 as well as maintaining weekly headlines together with daily news via Twitter (follow @clarkmike and #TLINnews).

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.

# Telecare LIN

## Contents

# 1 Main News Items

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

Lone workers' phone has red alarm button - via BBCNews

FDA clears Oxitone's wrist-worn pulse ox for remote patient monitoring - via MobiHealthNews

The first 'artificial pancreas' systems are coming to market - via USATODAY

Aneurin Bevan University Health Board signs four-year deal with DrDoctor - via digitalhealth2

Apple becomes first company worth $800bn - via guardian

Apple has acquired a sleep-tracking app called Beddit - by @chrissyfarr - via CNBC

Are NHS embedding digital into care pathways? - 10 years behind leaders - Matthew Swindells - via digitalhealth2

Evergreen Life app launches nationwide - via digitalhealth2

FDA to create centralized digital health unit - via HDMmagazine

FDA's Bakul Patel envisions a new regulatory approach to digital health - via FierceHealth

From Australia: Consumers warned about mental health apps - via newscomauHQ

From U.S.: Senators reintroduce bill to expand coverage for telehealth, remote monitoring - via FierceHealth

Sophisticated mobile health apps empowering patients - via TODAYonline

American Well Introduces AW10, Closing gap between - via YahooFinance

American Well launches tool to make telehealth visits easier - via healthcaredive

Apple's Tim Cook test-driving glucose monitor - non-invasive & continuous monitoring by @chrissyfarr - via CNBC

Bayer's special envoy to the world of digital health - via medcitynews

CDS Coalition Floats Guidelines for Mobile Health App Design - via mHealthIntel

Cleveland Clinic's Donley on telehealth advances (and more) - via FierceHealth

Google DeepMind patient app data sharing consent questioned - via BBCNews

JMIR: Telehealth Interventions to Support Self-Management of Long-Term Conditions: A Systematic Metareview - via Study

Mobile Health App for Bipolar Patients Wins RWJF Mood Challenge - via mHealthIntel

Remote follow up using health app effective for surgical patients - via iMedicalApps

Rural telehealth use for mental illness in U.S. sees uptick of 45% yearly: 10 study insights - via BeckersHR

Senate bill to expand reimbursement for telemedicine - via HC_Finance

Simplified text message-based telemedicine system improves adherence in IBD patients - via HealioGastro

Telehealth Experts at ATA: Direct-to-Consumer Care Takes Time - via mHealthIntel

Telehealthcare for patients suffering from COPD: effects on health-related quality of life - Danish Trial- via Study

Telemedicine intervention improves metabolic control in advanced type 2 diabetes - via GoHealio

The big NHS digital health push has already begun - via wareable

Three CEOs share their visions for the future of telemedicine - via MobiHealthNews

What can be done to improve mobile apps for cancer survivors? - via medcitynews

Clickotine, A Personalized Smartphone App for Smoking Cessation: Initial Evaluation - via JMedInternetRes

Entia receives £1 million to develop take-home blood testing kit - via digitalhealth2

From Australia: Telehealth could thrive under health care homes model - via AustAgeAgenda

Pillsy launches smart pill bottle and app to improve medication adherence - via MobiHealthNews

Going Digital - Living Better for Less with Technology-enabled Housing - via HousingLINews

Can technology transform chronic disease management? - via mnt

WellDoc, Samsung to partner diabetes tracking technology - via Healio

Event: Digital Health & Care Congress 2017 - Embedding tech in health & social care,10-12 July - via TheKingsFund

Apple's Watch can detect an abnormal heart rhythm with 97% accuracy, UCSF study says - via TechCrunch

Hi-tech help to stop people in Hampshire with dementia going missing - via [dailyecho](#)

Hi-tech help to stop people in Hampshire with dementia going missing - via [dailyecho](#)

U.S. Home Health Agency Turns to Telemonitoring to Reduce Readmission Rates & Decrease Costs - via [SamsungBizUSA](#)

From the U.S.: Direct-to-Consumer Telehealth: One Hospital's Virtual Care Plan - via [mHealthIntel](#)

Lemonaid Health gets $11M for text-based telemedicine app - via [MobiHealthNews](#)

Telehealth Looks to Digital Diagnostics to Improve Virtual Care - via [mHealthIntel](#)

VitalConnect raises $33M for remote patient monitoring wearable and platform - via [MobiHealthNews](#)

Wearables, AI to benefit from MIT's new super low-power chip - via [RWW](#)

Harvard mHealth Partnership to Improve Medicaid Chronic Care - via [mHealthIntel](#)

Harvard to study how mPulse Mobile's interactive texting programs impact Medicaid population - via [MobiHealthNews](#)

Health Affairs: U.S. Telemedicine for mental health is fast growing, but inconsistent - via [MobiHealthNews](#)

Kaiser Permanente CEO reports strong use of telehealth - via [healthcaredive](#)

mHealth Apps Aid Remote Monitoring of Elderly Patients - via [mHealthIntel](#)

VETS Act Takes Aim at mHealth, Telehealth Access for Veterans - via [mHealthIntel](#)

How Dubai Is Turning Into A Smart City 'Test Bed' For Global Digital Health Entrepreneurs - via [Forbes](#)

## 1.2

### 1.2 Smart Home Technologies & Internet of Things

Amazon officially unveils touchscreen Echo Show - via [verge](#)

GE Will Debut the First Lamp With Amazon's Alexa - via [FortuneMagazine](#)

Amazon launches new £50 and £80 Fire tablets with Alexa digital assistant - via [guardian](#)

Lloyds Pharmacies to stock 14 products that could help people with dementia - via [MailOnline](#)

Amazon enables free calls and messages on all Echo devices with Alexa Calling - via [TechCrunch](#)

Amazon enables free calls/messages on all Echo devices with Alexa Calling - check on relatives? - via [TechCrunch](#)

Amazon launches Echo Show smart speaker with touchscreen and video calling in the U.S. - via [guardian](#)

Google Home review: the smart speaker that answers almost any question - via [guardian](#)

How a Smart Home Empowers People with Disabilities - via [NBCNews](#)

How Entrepreneur Ron Gold Intends To Cure America's Home Healthcare - via [Forbes](#)

IoTUK highlights digital in tackling social isolation - via [UKAuthority](#)

Smartphones that charge in five minutes 'could arrive next year - via [BBCNews](#)

IoT developers can learn from America's smart meter mistake - via [IoTTechNews](#)

Lloyds Pharmacies to stock 14 products that could help people with dementia - via [MailOnline](#)

Apple employees are reportedly testing the 'Siri speaker' inside their homes - via [verge](#)

Even Apple can't make the Internet of Things tolerable - via [verge](#)

Sharing my home with Google and Alexa: Who's the most helpful? - via [wareable](#)

# 1.3 1.3 Health Tech

Cedars-Sinai signs 3-year deal with Noteworth for on-demand patient-generated health data - via [MobiHealthNews](#)

How do connected care technologies play a role in healthcare? - via [medcitynews](#)

Death By A Thousand Clicks: Leading Boston Doctors Decry Electronic Medical Records - via [WBUR](#)

In what ways, could innovation and technological advances in Formula 1 disrupt healthcare? - via [NewsMedical](#)

NHS seeks to recover from global cyber-attack as security concerns resurface - via [guardian](#)

The next generation of EHRs will be fundamentally different - via [CIOonline](#)

Heart health tool reveals obesity on the rise in the UK - via [digitalhealth2](#)

Humber signs with My Health Guide app for people with learning disabilities for three years - via [digitalhealth2](#)

NHS Digital planning "big drive" on clinical terminology standardisation - via [digitalhealth2](#)

TPP and Emis Health share data across SystmOne and Emis Web - via [digitalhealth2](#)

Citizens' juries find patients willing to share data - via [digitalhealth2](#)

How to protect yourself from Ransomware - via [digitalhealth2](#)

Multiple NHS trusts across England disrupted by ransomware attack - via [digitalhealth2](#)

NHS urged to consider Microsoft alternatives following cyber attacks - via [digitalhealth2](#)

Patients Knows Best lets Surrey view single care record - via [digitalhealth2](#)

Campaign launches to unite health informaticians - via [digitalhealth2](#)

NHS England's digital exemplar programme need 'sustainable spread strategy' says Paul Rice - via [digitalhealth2](#)

Innovation and Technology Tariff 2017 to 2019 technical notes - via [NHSEngland](#)

The NHS and technology: turn it off and on again - via [TheKingsFund](#)

# 1.4
## 1.4 Robotics, AI and VR

Older people must wait to find out cost of Tory cuts, says Damian Green - via [guardian](#)

Can Amazon's assistant stay on top - via [BBCNews](#)

Aged care provider trials use of robot for heavy lifting, giving staff more time with residents - via [abcnews](#)

AI chatbots (incl healthcare) expected to cut business costs by $8 billion by 2022 - via [CNBC](#)

Aira raises $12M for software that combines AI, AR, and human agents to help the blind - via [MobiHealthNews](#)

Durham Police to go live with AI to help with custody decisions - via [BBCNews](#)

From Japan: Manufacturers bet on bright future for rehab robot market - via [japantimes](#)

Humanoid robot Dr NAO assessing 'patients' in Tasmanian hospital study - via [abcnews](#)

In-Depth: AI in Healthcare - Where we are now and what's next - via [MobiHealthNews](#)

Partners HealthCare launches 10-year project to boost AI use - via [MobiHealthNews](#)

Catalia Health gets $2.5M to improve medication adherence with a social robot - via [MobiHealthNews](#)

Customer service and 'care' robots on show in Paris - via [BBCNews](#)

Fact or Fallacy: Could Artificial Intelligence Replace Doctors? - via [CDW_Healthcare](#)

From Australia: Humanoid robot in world first experiment at North West Regional Hospital - via [theadvocatetas](#)

From Japan: Manufacturers bet on bright future for rehab robot market - via [japantimes](#)

From the U.S.: Google, Not the Government, Is Building the AI Future - via [nytimes](#)

Fujitsu readies robot that discerns emotions, preferences - via [NAR](#)

GE Partners With Harvard Hospitals To Harness Artificial Intelligence In Medicine - via [Forbes](#)

Healthgrades, Conversa roll out AI chatbots at many customer hospitals - via [MobiHealthNews](#)

Human-sounding virtual assistants are a great idea in theory, but they'll be tricky in practice - via [WIRED](#)

Machine learning will replace human radiologists, pathologists, maybe soon - via [HealthITNews](#)

Meet the People Who Train the Robots (to Do Their Own Jobs) - via [nytimes](#)

New medical VR platform trains surgeons around the world, as if they are in the same room - via [thehaptical](#)

One Day, a Machine Will Smell Whether You're Sick - via [nytimes](#)

Robots will comfort patients and drones are to deliver medical equipment in Cornwall - via [CornwallLive](#)

This Cute Robot Is Trying to Solve a $300 Billion Health Care Problem - via [FortuneMagazine](#)

UK virtual reality firm Improbable raises $500m - via [BBCNews](#)

University of Utrecht: We can't escape the use of robots in health care - via [SG_UU](#)

Using video with an avatar physician to explain test results to patients - via [HDMmagazine](#)

We asked 3 experts: How will AI change our lives in the near future? - via [TEDTalks](#)

Why AI And Healthcare Must Learn To Play Together - via [Forbes](#)

Ikea wants to know how you'd feel about a robot/AI running your home - via [verge](#)

AI-based smartphone application can predict user's health risks - via physorg_com

Deep Learning Is a Black Box, but Health Care Won't Mind - via techreview
The next looming battle in the tech world will be based around digital assistants - via Recode

Google is training computers to predict when you might get sick - by @chrissyfarr - via CNBC

# 1.5 1.5 Policy, guidance, announcements, miscellaneous

Older people must wait to find out cost of Tory cuts, says Damian Green - via guardian

Brexit barriers 'would harm science', say universities - via BBCNews

Buurtzorg: the Dutch model of neighbourhood care that is going global - by @DavidJ_Brindle - via guardian

Calls for end to 'inhumane' separation of elderly couples being moved into care - via guardian

Could you detect mental health issues by how you type on your phone? - by @chrissyfarr - via CNBC

Fighting fit: the sheltered housing schemes adapting to new challenges - via guardian

General election 2017: New warning over social care plans - via BBCNews

Leading across the health and care system - Lessons from experience - via TheKingsFund

Medicine Is Going Digital. The FDA Is Racing to Catch Up - via WIRED

Mental health nurses in short supply as NHS struggles to fill vacancies - via guardian

Microsoft To Launch Agile Ageing Open Innovation Challenge - via HuffPost

More than 10,000 defibrillators in the UK may be affected by a fault - via BBCNews

Nearly 3.5 million patients at risk of losing their family doctor through Brexit, warns RCGP - via rcgp

NHS chief tells ministers: face up to the pay crisis - via guardian

NHS faces staggering increase in cost of elderly care, academics warn - via guardian

NHS faces 'ticking time bomb', doctors warn - via Independent

NHS funding pledges by major parties would still fall short, experts say - via guardian

Number of strokes in UK predicted to rise by 44% in next 20 years - via guardian

Our response to the Conservative manifesto - via NuffieldTrust

Report predicts 95% of US car passenger miles will be by autonomous vehicles by 2030 - via RWW

Social care and the election – a divide in the road? - via TheKingsFund

Social care green paper must address needs of all, not just older people - by Alison Rose-Quirie – via guardian

The hospital errors leaving new parents devastated - via BBCNews

The vision of precision medicine takes shape - via MobiHealthNews

Theresa May wants to scrap Mental Health Act. Here's what should replace it - by @MarkOneinFour - via guardian

Theresa May's U-turn is a chance to rethink social care by @DavidJ_Brindle - via guardian

Third of NHS children's mental health services could face cuts or closure - via Independent

Tory plans for change to care costs 'risk being built on shaky foundations - via guardian

We have to address the faultline between social care and the NHS - by @RichardatKF - via guardian

With millions of older people living in isolation, what is being done to help? - via guardian

'Shop front' social work service opens to the public - via CommunityCare

6 fascinating ways Google is innovating in healthcare - via digipharmalog

A study predicts a fourfold increase in dementia deaths and a sharp rise in cancer deaths by 2040 - via SkyNews

A supported web-based programme helps people lose weight in the short term - via NIHR_DC

Access to General Practice inquiry - via CommonsPAC

An experimental device lets doctors actually feel their patients' symptoms - via qz

Are NHS transformation plans a sticking plaster over big funding gaps - by Paul Briddock - via guardian

Being a patient convinced me to bring my digital expertise to the NHS by @JulietBauer - via guardian

Better Care Fund 'little more than ruse' to paper over funding pressures - via CommonsPAC

Bionic hand which see and reaches for objects automatically to be trialled by British amputees - via [Telegraph](#)

Brexit barriers 'would harm science', say universities - via [BBCNews](#)
Cancer Drugs Fund 'huge waste of money' - UK Research - via [BBCNews](#)

Children's hospital units forced to close to new patients due to staff shortages - via [guardian](#)

Compensation call as cyber attack leaves GP practices facing weeks of backlog - via [GPonlinenews](#)

Conservative manifesto: Why many will pay more for care - via [BBCNews](#)

Councils and health boards in Wales dispute £250m care costs - via [BBCNews](#)

Digital Pathology Stands To Reduce Cancer Misdiagnoses - via [CBSNewYork](#)

Do you have an innovative product that could benefit older people? - survey - via [SEHTA_UK](#)

Extra £8bn pledge for NHS is far less than it needs, experts say - via [guardian](#)

Facebook nears two billion monthly users - via [BBCNews](#)

Fangs: lightning rise of Facebook, Amazon, Netflix, Google - value increased by $250bn in 4 months - via [guardian](#)

First U.S. 'Dementia Village' in San Diego - via [Forbes](#)

From Australia: Aged care missing out on e-health - via [AustAgeAgenda](#)

From the U.S.: Could Amazon be looking to break into the pharmacy market? - by @chrissyfarr - via [CNBC](#)

General election 2017: New warning over social care plans - via [BBCNews](#)

General practice 'on brink of collapse', warns leading doctor - via [SkyNews](#)

Goggles help give Charlie new sight - via [BBCNews](#)

Google Deepmind and Royal Free Hospital data - Sky News investigation - via [SkyNews](#)

Google's competitor to Siri is coming directly to the iPhone - via [CNBC](#)

GP recruitment crisis intensifies as vacancies soar to 12.2% - via [guardian](#)

Health Committee publishes report on the effect of Brexit on health and social care - via [CommonsHealth](#)

Health Education England to cut 315 posts - via [HSJnews (£ subs)](#)

---

HealthLoop gets $8.4 million for patient engagement software - via [MobiHealthNews](#)

Leading doctor warns GP service is on 'brink of collapse - via [Independent](#)
Here's What Your Future Doctor Visits Could Look Like - Ray Dorsey, @EricTopol - via [FortuneMagazine](#)

In Rhode Island, some EMTs will perform rescues before there's a health emergency - via [projo](#)

It's time to start taking the control of our personal data seriously - DECODE project - via [nesta_uk](#)

Jeremy Hunt: 'Lessons will be learnt' from NHS cyber-attack - via [BBCNews](#)

Lyft strikes self-driving deal with Google's Waymo - via [BBCNews](#)

Medtronic integrates Garmin data into its remote monitoring platform - via [PMLiVEcom](#)

Nearly 3.5 million patients at risk of losing their family doctor through Brexit, warns RCGP - via [rcgp](#)

NEJM: A 21st-Century Health IT System — Creating a Real-World Information Economy - via [Study](#)

New ambulances rolled out for obese patients - via [BBCNews](#)

New report: Six initiatives opening up health innovation around the world - via [nesta_uk](#)

NHS annual budget rises since 2009/10 are fraction of past increases – IFS - via [guardian](#)

NHS chief tells ministers: face up to the pay crisis - via [guardian](#)

NHS cyber-attack: Amber Rudd says lessons must be learnt - via [BBCNews](#)

NHS cyber-attack: Bosses fear further infections from ransomware - via [BBCNews](#)

NHS 'dangerously short of nurses - via [BBCNews](#)

NHS funding pledges by major parties would still fall short, experts say - via [guardian](#)

NHS needs £25bn in emergency cash say NHS Providers - via [guardian](#)

NHS needs to change, says @profchrisham, and both sides of politics should support it - via [guardian](#)

Occupational therapy could save NHS and social care – but don't call us OTs - Julia Scott - via [guardian](#)

Our response to the Conservative manifesto - via NuffieldTrust

Popular social media sites could harm young people's mental health - via guardian

Public Accounts Committee concerns over updating of emergency services radio comms - via CommonsPAC

Six innovations that could build a new social care system - Alex Fox - via guardian

Social care and the election – a divide in the road? - via TheKingsFund

Social care funding: what are the Conservatives proposing? - via guardian

Study: Texting to improve medication adherence shows high engagement - via MobiHealthNews

The end of petrol and diesel cars? All vehicles will be electric by 2025, says expert - via Telegraph

The five big announcements from Google I/O - via BBCNews

The King's Fund responds to the Conservative Party's manifesto - via TheKingsFund

The seven 'Cs' to creating a digital practice - by @MarcSchmid - via practiceBiz

Three in four people believe the NHS is in poor condition, poll shows - via Independent

Tory Manifesto covers potential changes to social care - via guardian

Tory plans for change to care costs 'risk being built on shaky foundations - via guardian

UK Health Accounts: 2015 - via ONS

What can sci-fi teach us about the future of health? - Ara Darzi - via guardian

Why continuous monitoring will challenge CIOs and their IT systems - via HDMmagazine

UK Cloud launches dedicated health division - via digitalhealth2

4G mobile: UK urban areas with best and worst coverage revealed - via guardian

ATA, CHQI to Develop National Telemedicine Accreditation Standards - via mHealthIntel

Key Takeaways from the Social Isolation and Loneliness in the UK Report - via IoTUKNews

Pew Research: Smartphone adoption among U.S. seniors has nearly quadrupled in the last 5 years - via pewresearch
We are starting to see what comes after the smartphone - via Telegraph

Scientists used smartphone to control activity of living cells inside an animal with diabetes - via

[BBCNews](#)

Thousands of cancer patients denied wish to die at home - via [guardian](#)

Boy, 11, hacks cyber-security audience to give lesson on 'weaponisation' of toys - via [guardian](#)

CQC set to strengthen tech inspection - but says no need for 'additional powers - via [HSJnews (£ subs)](#)

Greenwich CCG identify extra 4,000 patients with long term conditions - via [digitalhealth2](#)

Patients struggling to get GP appointments, watchdog finds - via [guardian](#)

Brexit: Number of foreign tech job applications down 50% since EU referendum vote - via [Independent](#)

Care staff 'may not get minimum wage' leaked report claims - via [BBCNews](#)

Diffusion Of Innovations In Health Care—Obtaining Evidence To Move Faster - via [Health_Affairs](#)

Minimum wage ruling creates uncertainty over care worker pay - via [guardian](#)

NHS trusts may have overspent by £770m despite bailout funding - via [guardian](#)

Older people must wait to find out cost of Tory cuts, says Damian Green - via [guardian](#)

Robot hearts: medicine's new frontier - via [guardian](#)

Conservative manifesto: Tory social care plan explained - via [BBCNews](#)

Diffusion Of Innovations In Health Care—Obtaining Evidence To Move Faster - via [Health_Affairs](#)

Hospital 'long-waiters' show sharp rise - By Nick Triggle - via [BBCNews](#)

Latest guidance for NHS on protecting against cyber attack - via [NHSDigital](#)

NHS cyber attack: A&Es 'fully open' again - via [BBCNews](#)

NHS patients waiting months for vital bowel cancer tests, figures show - via [guardian](#)

NHS trusts may have overspent by £770m despite bailout funding - via [guardian](#)

Organising care at the NHS front line - Who is responsible? - via [TheKingsFund](#)

Regulators predict 5 million waiting list if NHS 'does nothing - via [HSJnews (£ subs)](#)

Research aims to drag asthma management into the 21st Century - via [UoMNews](#)

Google Rattles the Tech World With a New AI Chip for All - via WIRED

# 2 Learning and Events

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

RSM: Digital health and insurance: A perfect partnership? – 1 June 2017, London
https://www.rsm.ac.uk/events/teh04

Health + Care – 28-29 June 2017 – London http://www.healthpluscare.co.uk/

Digital Health and Care Congress 2017, 11-12 July, London - via TheKingsFund

TSA: International Technology Enabled Care Conference – 16-17 October 2017, Birmingham
https://www.tsa-voice.org.uk/international-conference

# 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***

**Disclaimer: "We provide this newsletter for information purposes only and TelecareLIN nor the authors accept any liability whatsoever for inaccuracies, errors or omissions therein or for any consequences arising therefrom."**