Welcome

Welcome to the January 2018 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

Randomized controlled pilot study of an educational video plus telecare for the early outpatient management of musculoskeletal pain among older emergency department patients - via Study

Chengdu High-Tech Industrial Development Zone has committed to investment of almost €300M to deploy a telecare solution in China’s 20 biggest cities, following a one-year, 1500-person trial in 2018 - via sigfox

NEW CASE STUDY: Tunstall Healthcare, @ProgressHG and @LancashireCC have collaborated to make greater use of care services in #Lancashire by introducing #telecare to prisons to help meet the care and support needs of prisoners - http://bit.ly/2rdGZkK

NHS Liverpool CCG awards £11.5m telehealth contract - via BJHC_news

Alexa and Medical Practices - discussion - via ehrandhit

Digital and Personal Connected Health: Hospitals share strategies for success as digital technologies hit the mainstream - via MobiHealthNews

Study: Passive sensor data collected from smartphones and Fitbits linked to severity of chemotherapy symptoms - via MobiHealthNews

Transforming healthcare through technology will increase buy-in from staff, patients - via MobiHealthNews

Knowsley to use behavioural insights for assistive tech - Council receives backing from LGA for project using behavioural science to get more people using assistive care devices at home - via UKAuthority

Smartphones can safeguard your health in some surprising ways - Data collected by your device could soon spot medical and psychological problems before you do - via NBCNewsMACH

Turning to telemedicine for prisoners’ mental health treatment - via modrnhealthcr

To catch Apple, Fitbit invests in a company that makes a small patch to track blood sugar for diabetics - via CNBC

Digital Health at #CES2018 - via CTATech

Study: Exploring factors associated with the uneven utilization of telemedicine in Norway: a mixed methods study - via Study
The UK’s National Health Service will reimburse physicians who prescribe a wearable mHealth device to help patients manage chronic pain - via mHealthIntel

Mobile health app numbers almost doubled in the two years from 2015 to exceed 318,500, with more than 200 new apps launched every day, according to a new report - via PMLive.com

Regulator to rate GP app providers from this year - via HSJnews (F subs)

Study: Patient self-audits through mobile app match traditional evaluations - via MobiHealthNews

Intermountain researchers build app to keep tabs on advanced heart failure patients - via MobiHealthNews

Alder Hey Children’s NHS Foundation Trust introduces children’s app - via digitalhealth2

NYT, Bloomberg say Apple is working on Watch EKG, noninvasive glucose - via MobiHealthNews

224 digital health funding deals in 2017 - via MobiHealthNews

New FDA Guidance Clarifies Exemptions for Digital Health Software - via JDSupra

Newest mHealth Intervention for Smokers Combines Apps, Wearables - via mHealthIntel

NHS hospitals told to take drastic measures amid winter crisis - Cancelling appointments and non-urgent surgery ban are options as hospitals reel under most intense pressure in decades - via guardian

5 Big Telehealth Developments in 2017 - via HCA_News

Alder Hey launches children’s hospital app - via health1tech

GDPR and the NHS Digital Academy: Digital Health’s predictions for 2018 - via digitalhealth2

Potentially life-saving health monitor technology - Wearable monitor to detect heart and breathing abnormalities in babies - via ScienceDaily

From the U.S.: Telemedicine's market momentum prompts vendors to expand, connect with larger patient populations - via HealthITNews

VA has awarded $260m contract to launch telehealth & telemedicine platform capable of connecting its doctors to patients no matter where they live, while enabling veterans to transmit mHealth data from devices in their homes - via mHealthIntel

GE Healthcare and Roche to develop new digital health solutions - via Zenopa Ltd

Predictions for #digitalhealth in 2018 - via BJHC_news
Weight Loss Success Linked to Telehealth Coaching, mHealth Devices - via mHealthIntel

Get healthy at the St Helens digital health kiosk - via sthelensreport

Nine case studies from organisations using the Quality Standards Framework from @TSAVoice for #TECS and #digitalhealth - via TSA

Three digital health companies weigh in on value-based care and policy - via medcitynews

Digital Health Intelligence research shows a growing number of NHS trusts see cloud as their next big IT project - via digitalhealth2

From the U.S.: Making Telehealth a Valuable Part of Preventive Care Programs - via mHealthIntel

NHS supports budding entrepreneurs developing voice-recognition app for tackling blood disease - via NHSEngland

#CES2018: Running list of digital health products - via MobiHealthNews

Study: Telemedicine combined with in-school care could help kids manage asthma - via MobiHealthNews

Pain management app Manage My Pain deployed in four Ontario clinics - via MobiHealthNews

From the U.S.: Telemedicine program reduces ER visits for students with asthma - via HDMmagazine

From the U.S.: Telemedicine Lowers Wait-Time for Rural Health Care - via AgWebEditor

97 Texas schools have telehealth kiosks connecting sick students with doctors/nurses - last week, they diagnosed dozens of students with flu - can order the flu test and have answer in 10 mins, just like in the doctor’s office - via NBCDFW

HIMSS18 Patient Engagement and Experience Summit: New strategies for precision medicine, telehealth, social determinants - via MobiHealthNews

CQC to be given power to rate online GP consultations - via digitalhealth2

Start-up companies encouraged to apply for Early Stage Opportunity Fund - innovative services in telehealth and care, mobile health, health analytics and digitalised health systems - via digitalhealth2

From the U.S.: Can This App That Lets You Sell Your Health Data Cut Your Health Costs? - via FastCompany

Mayo Clinic: Telehealth - Technology meets health care - See how technology can improve your health care - via MayoClinic
Amazon releases Alexa developer kit for wearable devices - via ZDNet

American Well and Philips bring technology and telehealth together in new partnership - via medcitynews

A modular approach to tech solutions supported by credible standards provides way forward for a better integration of care, writes Tim Gregson, CTO at Microsoft - via UKAuthority

1.2 Smart Home Technologies & Internet of Things

CES 2018: Tech preview of the show's coolest new products - via BBCNews

Amazon’s Echo Buttons are just the start – more form factors to launch this year - via TechCrunch

Toyota will offer Alexa in its cars starting later this year - via TechCrunch

Sony launches a bunch of new headphones and adds Google Assistant functionality to the line - via TechCrunch

Ford taps Qualcomm to ensure cars can talk to everything else - via TechCrunch

Alexa is coming to wearable devices, including headphones, smartwatches and fitness trackers - via TechCrunch

Driverless pods, smart sensors, and citizen apps – inside the plan to future-proof Milton Keynes - via PublicTech

Smart speakers top AR, VR and wearables to become fastest-growing consumer tech - via TechCrunch

Introducing The Ambient - our new sister smart home site - via wareable

The light and dark of AI-powered smartphones - via TechCrunch

How smart speakers stole the show from smartphones - via guardian

39 million Americans now own a smart speaker, report claims - via TechCrunch

#CES2018: voice-controlled showers, non-compliant robots and smart toilets - via guardian

At #CES2018, Amazon Is Beating Google In The Smart Home Battle - via Forbes

Comcast launched free voice-controlled connected home services for Xfinity users - research estimates that by 2020 the more tech savvy among us could have up to 50 connected devices on average in our homes - via TechCrunch

Google's assistant now works on smart speakers with screens - via cnntech
EZVIZ’s ‘Lookout Smart Door Viewer’ turns a peephole into a smart video doorbell with facial recognition - via TechCrunch

These $1,000, Alexa-enabled smart glasses feel like the first fully baked AR product since the failure of Google Glass - by Nick Statt - via verge

H2020 creative workshop: Adaptive smart working and living environments supporting active and healthy ageing - 25 January, Brussels - via innovateuk

Google launches smart displays with JBL, Lenovo, LG and Sony - via TechCrunch

Cybersecurity: By the end of this year, there will be more than eight billion internet of things (IoT) devices connected worldwide, according to analysts Gartner – from electricity meters to smart fridges - via Telegraph

Google to launch smart speakers with touchscreens - via Telegraph

iHome debuts a Google Assistant-powered clock radio, the iGV1 - via TechCrunch

1.3 Health Tech

Apple says almost all its devices are affected by the Spectre and Meltdown bugs - Apple watches not affected - via Independent

VC firm announces €280m injection for European healthcare tech - via digitalhealth2

Patient app ‘saves thousands of nursing hours - via SkyNews

First major phase of Berkshire’s shared care record goes live - via digitalhealth2

Netatmo launches a chatbot to manage all your connected devices - via TechCrunch

Meltdown and Spectre: ‘worst ever’ CPU bugs affect virtually all computers - via guardian

Record numbers turn to NHS 111 as hospitals struggle - via BBCNews

From Scotland - Polly Purvis: The tech trends that will dominate 2018 - via TheScotsman

Tech companies are investing heavily in healthcare. In 2018 one or more will buy a healthcare provider and turbocharge their efforts, says John Loder - via nesta.uk

CB Insights : Where Big Tech Is Placing Bets In Healthcare - via lloydgprice

Brain-computer interfaces could change the way people think, soldiers fight and Alzheimer’s is treated. But are we in control of the ethical ramifications? - via guardian

FDA chief: I’m surprised it took big tech this long to get into health care - by @chrissyfarr - via CNBC
Voice interfaces beginning to find their way into business - via TechCrunch

Skype adds e2e encrypted ‘private chats’ powered by Signal Protocol - via TechCrunch

1.4 Robotics, AI and VR

AI could have ‘immense’ benefits for NHS, says tech committee chair - via Independent

ElliQ has raised $22 million for its social robot aimed at older adults - via TechCrunch

From finicky robots to a not-so-smart suitcase, this year’s Consumer Electronics Show found an industry out of touch with the problems it really needs to solve - via guardian

Nvidia reveals new AI platforms for smart assistants and AR in the car - via TechCrunch

A mobile health coach that uses artificial intelligence to provide chronic disease management support can deliver effective interventions for at-risk diabetes patients - via HITAnalytics

Just the beginning: 6 applications for machine learning in radiology beyond image interpretation - via RadiologyBiz

Robotic surgeons have started to be used at Barts Health NHS trust after receiving multi-million pound funding - via digitalhealth2

A collaborative research team has designed a wearable robot to support a person’s hip joint while walking - via ScienceDaily

Machine learning software piques interest of NHS trusts - via digitalhealth2

Familiar with Telemedicine? Mayo Clinic is Taking Next Step with New Robotic ‘Telestenting’ Procedure - via TCBmag

Fitbit has invested $6 million in glucose-monitoring startup Sano - via verge

Mass closure of NHS walk-in centres is fuelling winter crisis, claim campaigners - via guardian

The NHS is under threat. Only a new model of care will save it - by Kailash Chand - via guardian

Robots could replace more jobs as living wage rises, says IFS - via SkyNews

16,900 people – the highest number this winter – were stuck in the back of an ambulance waiting to enter an A&E unit to be assessed and treated in the week from Christmas Day to New Year’s Eve - via guardian

Afraid of Falling? For Older Adults, the Dutch Have a Cure - via nytimes

Study: 'Artificial pancreas' could help youth with diabetes participate in intense activities - via MobiHealthNews
Canadian government recently signed a contract with Ottawa-based AI firm Advanced Symbolics to monitor social media posts for suicidal behavior - via MobiHealthNews

Preclinical Mayo Clinic study to investigate off-site, robotic-assisted coronary procedures - via MobiHealthNews

Doctors and patients accuse government of failing to stop NHS crisis - At least 21 trusts are on black alert, meaning they cannot guarantee patient safety or provide full range of services - via guardian

AI early diagnosis could save heart and cancer patients - via BBCNews

The NHS turns 70 this year, and it’s Britain’s greatest medical innovation - Bruce Keogh - via guardian

Callers complain of 40-minute waits as NHS 24 hot line in Scotland has busiest ever festive period - via Telegraph

Increasing numbers of European Union-trained ambulance staff are quitting the NHS, raising fears of a Brexit drain from the 999 service just as concern over slow response times grows - via guardian

New 'emotional' robots aim to read human feelings - via ABSBCNNews

Experts from Cedars-Sinai, CVS Health, Blue Cross NC and Harvard Pilgrim Health Care discuss where value-based care is headed in 2018 and beyond - via HealthITNews

At CES, every robot meant to interact with humans either doesn’t work or only does pointless things - via Slate

Sony Planning a Whole Range of Robots After Its Aibo Dog - via business

Thinking on its own: AI in the NHS - via reformthinktank

Reflexion Health’s virtual platform to power non-profit’s senior rehabilitation program - via MobiHealthNews

Waits in A&E during December in England were the worst since the target was introduced in 2004, figures show - via BBCNews

Is artificial intelligence the United Kingdom’s productivity solution? - via InformationAge

Intuition Robotics showed off a new robot at #CES2018 that’s specifically designed for the elderly by @robotodd - via CNBC

As well as overseeing the NHS’s 70th birthday celebrations, the health and social care secretary will take charge of long-awaited reform - by @DavidJ_Brindle - via guardian

#CES2018: When will AI deliver for humans? - via BBCNews
Robot duck’s aim: Helps kids with cancer via power of play - via physorg.com

Why robots should ‘report to’ HR - via personeltoday

CES 2018: A clunky chat with Sophia the robot - via BBCNews

Switch Brexit billions into AI to transform UK health and social care says Colin Cram - via guardian

1.5 Policy, guidance, announcements, miscellaneous

Google has planted its flag at #CES2018 - via TechCrunch

Now Alexa can help you microwave dinner - via TechCrunch

Tencent, the $500bn Chinese tech firm you may never have heard of - It’s overtaken Facebook, bought stakes in Snapchat, Tesla and Hollywood films, and has quietly risen to rival Google and Netflix - via guardian

The Tech Trends From CES 2018 That Will Actually Matter - via lifehacker

Forget the Alexa-powered toasters at CES, these innovations will really shape 2018 - via TechCrunch

Google launches a new directory to help you discover Assistant actions - Google says you can now perform more than a million actions with the Google Assistant - via TechCrunch

Four in 10 local government websites are not accessible to people with disabilities, including those using assistive technologies, according to the latest survey under the Better Connected programme - via UKAuthority

Toyota teams up with Uber, Amazon, Pizza Hut and more on mobility services - via TechCrunch

Report by industry analysts shows that in the last decade, 929 care homes for 31,201 people have closed, at a time when the population is ageing rapidly - via Telegraph

Shifting care closer to home will ease pressure on hospitals - by @ewandking - via guardian

Patients missing their appointments cost the NHS £1bn last year - via guardian

US firm Voyage will start rolling out self-driving taxis at The Villages, a Florida community which is home to 125,000 senior residents - they will be able to summon a self-driving car using a mobile app - via BBCNews

Middle-aged can reverse heart risk with exercise, study suggests - via BBCNews

We need to talk about doing social care differently by @PaulBurstow - via guardian
Royal Commission overhaul could hand the NHS an extra £5.6 billion from shake-up - via Telegraph

The news and highlights to expect from CES 2018 - via WIRED

How to save the NHS: experts offer their big ideas - via guardian

What will it take for the government to confront pressures on the NHS? by @RichardVize - via guardian

The Government did not adequately prepare NHS for winter, says former Tory health secretary - via Independent

NHS crisis: Adult patients put on children's wards as trusts struggle for space over winter - via Independent

The AR Cloud Will Be Bigger Than Search - via Forbes

A brave and bold new world: my vision for social care by @vicrayner - via guardian

10 charts that show why the NHS is in trouble - via BBCNews

Nurses leave packed A&E units to treat patients in ambulances - via guardian

What Fitbit's 6 billion nights of sleep data reveals about us - via YahooFinance

NHS winter crisis should prompt government to fully fund social care, warn councils - via LGAcomms

Adrian Boyle and Ian Higginson: This A&E crisis was entirely predictable and partly preventable - via bmj_latest

Hospital admissions for flu triple and 111 phoneline overwhelmed by deepening NHS crisis - via Telegraph

NHS Digital welcomes introduction of CQC’s new rating system for digital GP tools - via NHSDigital

Dementia - assessment, management and support for people living with dementia and their carers: Draft guidance consultation - closing date 13 Feb 2018 - via NICEcomms

Social care in 2018: time to think about the future workforce - via guardian

Fifty-one connected health products the FDA cleared in 2017 - via MobiHealthNews

From the U.S.: No link between in-patient portal use and 30-day readmissions, study finds - via MobiHealthNews
Scientists have unveiled the first bionic hand with a sense of touch that can be worn outside the laboratory - via BBCNews

Scotland changing health and social care and the world is taking notice - via TheScotsman

Healthcare websites and other non-NHS services to be awarded quality ratings for the first time by CQC - via CareQualityComm

Local government spending on public health: death by a thousand cuts - via TheKingsFund

The University of Manchester spin-out behind a medical device to detect life threatening infections will kick off its first clinical trial following a £1.4m investment boost - via BQLive

Why Chatbots are the Future of Conversational Intelligence | Analytics Insight - via analyticsinme

NHS crisis: Jeremy Hunt apologises to patients as thousands of non-urgent operations postponed - via Independent

Why the U.S. Spends So Much More Than Other Nations on Health Care - via nytimes

Five things for public sector digital in 2018 - via UKAuthority

NHS operations deferred throughout January - via BBCNews

The compact between the public and the NHS - via TheKingsFund

Round up of @SCTT_NHS24 activities in Scotland in 2017 - via SCTT

'Intelligent toothbrush' could detect deadly heart problems - via Telegraph

NHS winter pressure: Hospitals report 99 per cent capacity over festive period as flu season looms - via Independent

'Desperate times' for overcrowded hospitals, senior doctor warns - via guardian

NHS shake-up is not a Trojan horse for privatisation, says top doctor - via guardian

The real reason health care is bankrupting America - via CNBC

Will a rebranded Department of Health change anything? - via BBCNews

Ambulances queuing up outside A&E, operations cancelled for lack of beds...Could this winter prove the last straw for our struggling National Health Service? Those on the frontline speak out... - via guardian

Unlicensed online therapists 'preying' on desperation of people with mental health problems as NHS struggles to meet rising demand, experts warn - via Independent

From the U.S.: CDC looks to bring its clinical guidance into the digital age - via FierceHealth
NHS Liverpool Clinical Commissioning Group picks Docobo to expand its service to 4-5,000 patients a year over the next three years - via DocoboUK

Innovating our way to a new ‘business as usual’ by @PaulBurstow - via HSJnews (£ subs)

A royal commission is not the way to solve the problems facing the NHS, by @RichardVize - via guardian

Roche and GE Healthcare plan 'industry first' digital platform - via PMLiVEcom

The Guardian view on the NHS crisis - there is no mistaking the depth of the crisis faced by the health service. But how much are we prepared to pay, who will pay it – and what exactly will it buy? - via guardian

The winter crisis reached a new peak last week as NHS trusts had to provide 5,075 extra beds on 2 January to cope with demand, the equivalent of nine average hospitals - via guardian

Health Care Just Became the U.S.’s Largest Employer - via TheAtlantic

A&E chiefs from 60 hospitals warn patients are dying amid 'intolerable' safety risks, in letter to Theresa May - via Telegraph

The winter crisis has left the NHS running on empty – it needs a fix, now says Chris Hopson - via guardian

Number of A&E patients being treated within four-hour target has reached its lowest ever level, with hospitals managing to care for just 77.3% of patients within that time last month – far fewer than the 95% target - via guardian

New ingestible sensor could help researchers learn more about the gut - via MobiHealthNews

From the U.S.: Heal releases diagnostic health data integration platform, Wellbe - via MobiHealthNews

Time for an answer on the NHS? - by @bbclaurak - via BBCNews

NHS 'no longer able to meet standards in its constitution', health bosses tell Jeremy Hunt - via Independent

Jeremy Hunt urged to boost NHS budget as flu crisis marks 'watershed moment' for health service - via Telegraph

Hospitals have run out of beds and can no longer cope, bosses are warning - via BBCNews

Jeremy Hunt admits NHS needs more money - via guardian

We need a new care deal to tackle the challenges of an ageing population - by Joel Charles - via guardian

From red bag to green paper: innovation in adult social care - by @blimeysimon - via
Growing innovative models of health, care and support for adults - via SCIE_socialcare

#CES2018: Amazon Alexa v Google Assistant fight gets fierce - via BBCNews

How vanguards are increasing healthy life expectancy in Nottinghamshire - via nhscconfed

CES 2018: Intel to make flawed chips safe in a week - via BBCNews

2 Learning and Events

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

European KnowledgeTree Group (EKTG) eHealth Symposium, 23/24 January 2018
https://docs.wixstatic.com/ugd/13b480_71c351c0501047949168530627d169df.pdf

Digital Health and Care Scotland 2018 – 20/21 February 2018 - Edinburgh
http://digitalhealth.holyrood.com/ about

The Digital Health Technology Show - 13/14 March 2018, London
https://www.eventbrite.co.uk/e/the-digital-health-technology-show-tickets-35880257817

Digital Health and Care Congress 2018 - The Kings, Fund, London 10/11 July 2018

Mobile World Congress, 26 February to 1 March 2018, Barcelona
https://www.mobileworldcongress.com/

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/

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