

TEL NEWS

Welcome to TEL News



e-LfH's Paramedic e-learning programme has been shortlisted in the Best Use of Mobile Learning category at the Learning Technologies Awards 2018. See page 6 for the full story.

TEL News is your monthly update keeping you up to speed with all that is Technology Enhanced Learning (TEL) in healthcare. TEL News includes information from Health Education England's (HEE) TEL Programme team, the e-Learning for Healthcare Programme, e-Learning and simulation Leads across the local offices and other updates we think you will find useful.

We're keen to spread the news about TEL so would be grateful if you would share it throughout your own networks. If a colleague would like adding to the distribution list please ask them to email tel@hee.nhs.uk providing their contact details.

TEL Programme update

The Learning Solution



As part of the TEL Programme's work on the Learning Solution, we are in the process of changing our hosting partner from Amazon Web Services to Microsoft's Azure cloud hosting. This is an important step in laying the right foundations for the Learning Solution's development.



There are different benefits that we will realise through this migration. HEE has a partnership with Microsoft, which includes Azure hosting, so we anticipate significant savings compared to the current hosting arrangement. From a technical perspective, the Learning Solution will be built using Microsoft's .NET framework and there are benefits from using a common technology stack i.e. installing Microsoft technologies in a Microsoft environment.

Being in Azure also gives us easy access to Microsoft's Artificial Intelligence services. For example, if we wanted to integrate a chatbot into the Learning Solution, we could take advantage of Microsoft's Language Understanding Intelligent Service, known as LUIS (www.luis.ai). This could allow users to type or even voice a command like "show me all the learning resources on safeguarding children" and the Learning Solution would execute a search and return all the relevant resources. More people have got Amazon Alexa, or something similar, in their homes now and they are comfortable speaking to a device to interact with it and we think that this is something we can bring to the Learning Solution.

There is still a lot of work to do on the Learning Solution but we are very excited about the possibilities that being with Microsoft Azure will bring.

SBE Framework update

Work continues on the Simulation-Based Education Framework (SBE) which is due to be released next month.

It has now been agreed to release the early Key Performance Indicators (KPIs) at the same time as the framework and suite of films in October. These KPIs, which are currently under review by the task and finish groups members, will provide assurance of engagement and provide a platform from which more specific KPIs can be developed as the framework embeds. They will be managed through the Regional TEL Leads, who will report to a newly formed SBE Assurance Committee – providing assurance of on-going engagement with the framework, as well as a means of measuring the KPI responses.

Going forward, the aim is that the KPI responses will feed into business planning and, as such, stage two of the framework's development is already being considered. We want to find out how SBE provision can support other national programmes.

As the SBE framework is about multi-professional SBE, the TEL Programme is pleased to be supporting the annual event for The Committee of Postgraduate Dental Deans and Directors (COPDEND) this year – which is on 1 November in Birmingham. We will also be at the Association for Simulated Practice in Healthcare (ASPiH) conference from 13 – 15 November in Southport.

Finally, we were pleased to be able to upload a number of interesting case studies as part of the Topol Review's 'call for evidence' last month. The case studies uploaded were about virtual and augmented reality (VR and AR) via Nick Peres in The VR Lab in Torbay. Nick, in addition, has just shared a [video](#) about a VR staff awareness experience event at Torbay on 10 August. At the event, which had over 200 participants, they looked at the potential of VR in healthcare education, training, and patient engagement. It was a day of hands on demonstrations and useful discussion and was run in conjunction with Bob Stone and the Human Interface Technologies (HIT) team from the University of Birmingham.

Conference round-up

The TEL team has been busy over the past month showcasing our work at events and conferences and engaging with people working on the front line of the NHS to understand their learning needs and how our work can support them.

NHS Expo

NHS Expo took place in Manchester and celebrated innovation, enterprise and collaboration across the health and care sectors. HEE had a strong presence at this event with our programme leads Charlotte Teager (pictured right) and Martin Sinclair giving overviews of the Learning Solution and e-Learning for Healthcare, which were extremely well-received by the audience.



We even got the new Secretary of State for Health and Social Care - Matt Hancock MP - to try on one of our immersive virtual reality headsets to discover what the future of healthcare education looks like.

Association for Learning Technology conference

The Association for Learning Technology (ALT) annual conference, also in Manchester, involved Richard Price from our team sharing ground-breaking work on Artificial Intelligence (AI) powered learning with the wider learning technology community. The workshop challenged participants to understand the concept of artificially intelligent

software, to discuss the implications of the technology in their own workplace and to explore that sometimes the hype around AI doesn't match the reality.

Participants were given the opportunity to try two of the AI tools we have been developing with our partners at Filtered and IMC-BA, which were well-received by participants.

More information about our AI work and how you can get involved and try the tools, will follow in next month's TEL News.

European Technology Enhanced Learning conference

This year the UK hosted the international European Technology Enhanced Learning (EC-TEL) conference at the University of Leeds. The EC-TEL conference focused on lifelong technology enhanced learning and dealing with the complexity of 21st century challenges.



As well as exhibiting at the conference, our programme lead Neil Ralph (pictured left) gave a presentation as part of the medical education track of the event, sharing his thoughts on the future of education in healthcare and how the TEL team is working to develop and improve the delivery of healthcare education.

Medical Education Informatics conference

The University of Leeds also hosted the Medical Education Informatics conference which brought together researchers and practitioners from around the world.

Our HEE TEL team worked with a multinational team from Austria, the UK and the Netherlands to facilitate an Open Space event during the conference, where the topics of conversation are determined by the participants in the workshop. Discussions ranged from data ethics and digital capabilities to how we can improve the quality of learning materials and resources available online.

Association of Medical Education in Europe

Association of Medical Education in Europe (AMEE) 2018 gave Susan Kennedy and Richard Price from our team the opportunity to share the digital literacy and taxonomies work for the first time to an international audience.

Susan and Richard facilitated a workshop on digital capabilities in medical education. The two-hour workshop was standing-room only as participants recognised the importance of this work. Relationships were forged during the workshop which will lead to partnerships around the world drawing from our digital capabilities work.

The taxonomies workshop session (pictured right) also proved to be popular, with participants from as far afield as Thailand taking interest in our “superpower” and bringing further discussion about partnerships and drawing on our work.



Meet the TEL team

In this month’s issue of TEL News we are starting to introduce members of the programme team.

Richard Price Learning Technologist and TEL Project Manager

Richard has been involved with Technology Enhanced Learning and Information Systems in the NHS for more than 15 years and is now a member of the HEE TEL team. He is responsible for innovation projects to improve the way learners gain and retain knowledge and for looking at ways of improving the learning experience. Richard’s pilot projects include implementing an xAPI-enabled learning record store, developing personalised and adaptive learning tools with artificial intelligence, virtual reality and 360 imagery, and developing a taxonomy to improve search of learning and educational resources.
@RichardPriceUK



Eleni Keogh TEL Project Manager

Eleni has been involved in the education, learning and training of NHS staff for more than 11 years and originally joined the NHS on a two-week human resources work experience programme at her local acute hospital, based in north London. Since then, she has worked in numerous learning and development (L&D) roles and in 2013 moved to a mental health Trust within the East of England region, becoming a L&D manager. In this role Eleni oversaw a number of key initiatives including the introduction of a standardised corporate induction programme, developing and designing e-learning content and joining the HEE East of England Streamlining programme for Statutory and Mandatory training.



In 2015 Eleni joined the HEE TEL team as programme officer and has recently been appointed into a new role as a project manager within the TEL team. She will be involved in a number of new projects and pilots supporting the further adoption and spread of staff using TEL within the NHS.

@eleni_keogh



e-LfH update

The HEE e-LfH team is constantly updating existing and launching new e-learning sessions. For the schedule of when new sessions will be launched please select this link: www.e-lfh.org.uk/planned-programmes.

Paramedic programme shortlisted for award

e-LfH's Paramedic e-learning programme has been shortlisted in the Best Use of Mobile Learning category at the Learning Technologies Awards 2018.

Criteria for this award category included projects that made innovative and effective use of mobile devices to achieve goals or deliver efficiencies that were previously unobtainable. Judges are also looking for designs that took account of the environments in which they would be used.

Paramedic e-learning is a suite of Continual Professional Development modules that have been designed to provide 'bite-sized' interactive learning that functions well on a variety of mobile devices.

Award winners will be announced on 21 November. More information about the shortlist is available here: <https://www.learningtechnologies.co.uk/2018-shortlist>.



NHS Knowledge Mobilisation Framework Programme now live

The NHS Knowledge Mobilisation Framework is designed to help individuals working in health and care to develop skills to mobilise knowledge effectively in their organisations.

The framework aims to help them to learn before, during and after everything that they do so that best practice is replicated and pitfalls can be avoided. It introduces 11 techniques

to help plan, co-ordinate and implement knowledge mobilisation activities.

To complement the e-learning there are also a suite of postcards, which are available to download here: <https://kfh.libraryservices.nhs.uk/knowledge-management/nhs-knowledge-mobilisation-framework-postcards/>.



The programme is a re-working of an original concept devised by what was the Department of Health Connecting for Health Knowledge Management Team and the Kent, Surrey and Sussex Library and Knowledge Services Team.

The e-learning programme is available to access via the e-LfH Hub and ESR. For more information about the programme please visit: <https://www.e-lfh.org.uk/programmes/knowledge-mobilisation-framework/>.

Or speak to your regional library lead:

HEE London, Kent, Surrey and Sussex: louise.goswami@hee.nhs.uk

HEE Midlands and the East: ruth.carlyle@hee.nhs.uk

HEE North: david.stewart@hee.nhs.uk

HEE South: helen.bingham@hee.nhs.uk.

New e-learning module for healthcare professionals caring for serving personnel, veterans and their families

A new training module to support the health of military veterans is now available for health professionals interested in veterans' health matters.

'Introduction to Veterans Health' is now live on the e-LfH Hub.

Dr Jonathan Leach, Chair of NHS England Armed Forces and their Families Clinical Reference Group, has led the creation of the new module which can be delivered as a lunchtime learning session by NHS Armed Forces Champions (or anyone else suitably interested in veterans' health matters).



The course takes less than an hour to deliver and consists of:

- Introduction to the needs of military veterans – Facilitator Guide
- The Covenant Film Clips
- Introduction to the needs of military veterans – PowerPoint presentation
- Two 'top tips' handouts.

This module is part of the NHS Healthcare for the Armed Forces programme which is designed to help healthcare professionals increase understanding of the armed forces population and facilitate improved care and treatment. The programme was developed by HEE e-LfH with support from NHS England.

For more information about the programme, including the new module, visit: <http://www.e-lfh.org.uk/programmes/nhs-healthcare-for-the-armed-forces/>.

Updates planned to Statutory and Mandatory e-learning programme

In 2017 HEE e-LfH launched a series of e-learning sessions and assessments called Statutory and Mandatory Training, which was based on learning outcomes outlined in the Skills for Health Core Skills Training Framework.

In response to user feedback we are re-designing the e-learning sessions and eAssessments to be combined into a single package to enable users to easily access both the knowledge content and e-Assessment in one session. As part of this update to the Statutory and Mandatory Training programme, we are also updating the Data Security Awareness Level 1 session and eAssessment to include General Data Protection Regulations (GDPR) and social care updates.

The new programme will be made available from mid-October 2018.

If you are part way through completing these programmes, please be aware that the previous courses will remain accessible within an archive folder until 31 March 2019, enabling users and local administrators to access historic certificates and report on learning history.

If you have any questions about the changes to this programme, please contact [HEE e-LfH](#).

New course: Public Health Masterclass

The collection of films from HEE's Public Health Genomics Masterclass has been made into a short course which is now available on the e-LfH Hub.

It is suitable for all public health professionals who would like to learn about the benefits and challenges that genomics will bring to the public health arena. The course, which features talks from genomics experts, is free for all Public Health England and NHS staff. It is available here: <https://portal.e-lfh.org.uk/Component/Details/540873>.

Care Certificate e-learning programme launches Scenario Sessions

Our Care Certificate e-learning programme has been updated to include five scenario sessions to support the application of the Care Certificate Standards.

The scenarios take place in a range of health and social care settings and include:

- Primary care
- Acute care
- Community/home care
- End-of-life care
- Mental health care.

The sessions have been written by practitioners working within these specific care settings and are based on the typical duties that a Care Certificate student is asked to perform. The scenarios complement the existing Care Certificate e-learning programme knowledge-based sessions and provide students with the opportunity to apply the standards within a setting similar to their own, as well as to see how the standards are applied in other care environments.

Kay Fawcett, Clinical Lead for the Care Certificate e-learning programme, said: "These scenarios have been completed following requests to support more specific application of the Care Certificate for care settings.

"Basing the scenarios in recognisable care environments will support the application of the standards of the Care Certificate across a wide variety of settings".



The scenarios are available now on the e-LfH Hub and via AICC links for Trusts, to access them visit: <https://www.e-lfh.org.uk/programmes/care-certificate/>. They will be available via the Electronic Staff Record (ESR) shortly.

Learners that complete the scenarios are invited to provide their feedback via an online questionnaire: <https://healtheducationyh.onlinesurveys.ac.uk/care-certificate-e-learning-programme-scenarios>. The survey will take 5-10 minutes to complete and the findings will be used to shape the scenarios to ensure they best meet learners' needs.

For more information about the Care Certificate visit: <https://www.hee.nhs.uk/our-work/care-certificate>.

Final module added to Literature Searching e-learning programme

We have worked with librarians at Lancashire Teaching Hospitals NHS Foundation Trust and Buckinghamshire Healthcare NHS Trust to launch the final module within the Literature Searching e-learning programme.

The Literature Searching programme aims to support health and social care professionals find evidence for their work and study.

Module 7 - How to Search the Healthcare Databases - aims to pull together the learning from earlier modules within the programme and apply the skills learnt here to use the Healthcare Databases Advanced Search, which is provided through a partnership between HEE and NICE.

This final module can also be used in its own right by people who are familiar with literature searching but would like to try searching the Healthcare Databases for the first time or need to refresh their skills. Module 7 is accessible without having completed the earlier modules.

The resource is a mix of explanatory material, video demonstrations and opportunities to 'check understanding' via practice search screens.

To access the e-learning visit: <https://www.e-lfh.org.uk/programmes/literature-searching/>. It will be available on ESR shortly.



e-Learning for Healthcare Foundation e-learning programme: Professional Capabilities 15, 16 and 17

The Foundation e-learning programme has been developed by the Academy of Medical Royal Colleges in partnership with HEE e-LfH and is approved by UKFPO.

The e-learning sessions in Professional Capability: 15 – is trained and manages cardiac and respiratory arrest. This is about knowing when not to resuscitate and how to manage this, particularly in relation to discussions with a patient and their family. The second session covers the management of issues surrounding a patient with possible tuberculosis and what to think about when considering appropriate respiratory isolation.

The e-learning sessions in Professional Capability: 16 – demonstrate understanding of the principles of health promotion and illness prevention. This describes the risk factor for diseases with sessions on smoking, substance misuse, alcohol, and lifestyle.

The e-learning sessions in Professional Capability: 17 – manages palliative and end of life care. This is aimed at helping doctors to develop the skills and understanding they need to give dying patients, and their families, care and comfort in their grief. It also considers the diversity of patients met in practice and identifies key cultural, spiritual and religious feelings and rituals.

Sessions:

Medication History Taking and Prescribing on Admission
Discussing 'Do Not Attempt CPR' Decisions
Infection Control: Air and Blood Borne Pathogens
Enabling Smoking Cessation
Risk Factors in Disease
Screening
Health Needs, Demands and Resource
Management of Substance Misuse
Management of Alcohol Misuse
Managing Obesity: Guiding and Enabling Behaviour Change
Alcohol Facts
Alcohol IBA - Assessment
Bereavement Process
Cultural and Religious Diversity and Bereavement.

Do you need to complete parts of the curriculum on your e-portfolio which you do not cover in day-to-day practice? If so why not try some of our free e-learning mapped directly to the Foundation Professional Capabilities (Training Outcomes) in the 2016 Foundation Curriculum.

You can sign in to the e-learning with your login supplied by e-LfH at the beginning of your foundation training: <https://www.e-lfh.org.uk/programmes/foundation-programme/>.

Medical imaging featured in the Guardian

Medical imaging was identified in '*Nine advances in medical science that help the NHS save lives*' by the Guardian, in an article celebrating 70 years of the NHS¹.

The article states: "The number of scans carried out by the NHS rises annually, however, it currently stands at 40 million a year, a figure that includes x-rays and ultrasound as well as MRI and CT scans."¹

e-LfH's Image Interpretation programme has responded to this challenge by updating the Introduction to Imaging Technologies module. The sessions look at the principles and technologies behind: x-rays (radiographs), computed tomography (CT), magnetic resonance imaging (MRI), ultrasound (US), nuclear medicine (NM), positron emission tomography (PET) and Radiation Protection.



All 17 sessions have been reviewed by Dr Richard Harbron, Research Associate at Newcastle University. Dr Harbron said: "These sessions were originally written in 2013. Since then, there have been changes in ionising radiation regulations and well as updated evidence of the biological effect of radiation."

For more information please contact dorothy.keane@e-lfh.org.uk. For details of the programme please visit: <https://www.e-lfh.org.uk/programmes/image-interpretation/>.

¹ <https://www.theguardian.com/healthcare-network/2018/may/29/advances-medical-science-nhs-save-lives>

Spotting the sick child

The Spotting the Sick Child website has recently been updated and relaunched.



Spotting the Sick Child is an interactive resource which contains over five hours of clinical footage of real patients to enable learners to improve their skills and knowledge in assessing common symptoms such as difficulty in breathing, rash, fits, abdominal pain, head injury, fever and dehydration.

It is designed to be interactive and practical with video guides, assessments of real life patient cases, how to sections and background medical information. Participants can assess and track their own progress in a variety of simulated situations.

More information, and access to the online learning, is available on the website: <https://spottingthesickchild.com/>.

For more information about anything you have read in this update please email tel@hee.nhs.uk.