Welcome to TEL News

We have developed a taxonomy to enable individuals to find, access and discover content across our digital systems and services. See page 3 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

Learning Solution – Moving into beta development phase

Approval has been granted by the Government Digital Service (GDS), part of the Cabinet Office, for Health Education England’s (HEE) Learning Solution project to move into the beta development phase. This is fantastic news and follows on from the project passing all aspects of the 18 point Digital Service Standard alpha assessment.

The report from the assessment, which provides feedback and recommendations for the beta phase, can be found on the Digital Health blog.

An example of feedback from the assessment:
“The team presented a clear and coherent vision for the service and the panel were particularly pleased to see the way the whole team worked together to answer questions, talk about user research and discuss the things they had learnt during alpha. It is clear a great amount of effort has gone into the alpha and preceding discovery phase and this will stand the team in good stead for private beta.”

The next step is to procure a supplier to support the beta phase of the project. The objective of the beta phase is to build a working version of the service based on the alpha prototype, which handles real user journeys and works at scale.

For more information about the Learning Solution project visit www.hee.nhs.uk/tel.
Taxonomies: Our superpower?

We possess a superpower in our pockets that we use every day without realising it.

That superpower is the taxonomy, an information technology that powers the apps on our phones, the websites we browse and supports the decisions we make. Without a taxonomy, we would struggle to find much of the information we take for granted when using search engines and websites.

We have developed a taxonomy to enable individuals to find, access and discover content across our digital systems and services, including the Learning Solution and e-Learning for Healthcare.

We are currently tendering for a taxonomy management product to help us realise this interconnected, taxonomy-driven landscape and are aiming to appoint a supplier before the end of March 2018.

You can follow our journey on Twitter, following the hashtag: #TELTaxonomy on the @HEE_TEL handle.

Digital Literacy

The Technology Enhanced Learning programme continues to support the Building a Digital Ready Workforce programme with our work on improving the digital capabilities of the health and care workforce.

We all use technology in our personal lives. As technology evolves we want the health and social care workforce to be fully competent, confident and capable in its use in the workplace. Our previous research has explored upskilling workforces in healthcare and other sectors and looking at some of the solutions in meeting those challenges.

We define digital literacies as those capabilities that fit someone for living, learning, working, participating and thriving in a digital society. Underpinning these capabilities are six person-centred domains. Each one has its own levels of capability to support further development of the health and social care workforce.
January 2018

Self-Assessment of digital capabilities
The capability framework with domains (with descriptors and levels under each) is now a working document shortly to be published on our website. This framework is being tested as part of our discovery process to identify a user-friendly means of self-assessment where individuals will be able to identify areas for personal development of their digital capabilities. We’re doing this work with The Research Base and would like to thank everyone who has contributed to that work so far.

We’re also working with artificial intelligence experts Global Filtered on a pilot project to help signpost relevant resources to users depending on their personal learning needs. Watch this space for more news on this as our work progresses!

Clever Together
As part of our partnership with the Royal College of Nursing (RCN) and the Building a Digital Ready Workforce Programme on their “every nurse an eNurse” campaign, the RCN is launching an extensive UK-wide consultation to discover the challenges faced by nursing staff in adapting to digital technologies, and the opportunities available to improve patient care.

The results will support the RCN’s call for improved education, training and development on digital literacy. The aim is that by 2020 every nurse will be an eNurse - every nurse will be able to use technology and data to maximum effect for patients, carers and service users.

Register now to join the conversation. The online workshop is now open and will run until 15 February 2018: https://rcn.clevertogether.com/welcome.
Simulation-Based Education strategy

The five guiding principles which will form the basis of the HEE National Simulation-Based Education (SBE) Strategy have now been agreed. The headings are as follows:

Guiding Principle One: Reporting Mechanisms, Leadership and Governance
Guiding Principle Two: Strategic Approach and Resource Allocation
Guiding Principle Three: Quality Assurance
Guiding Principle Four: Quality Outcomes (Safe, Effective Care) and Workforce Development
Guiding Principle Five: Faculty Development.

The outline strategy will now be further refined and developed and will be made available from the end of May 2018. Further work is still to be delivered on the specific outcomes of the guiding principles.

This work will be managed by five task and finish groups, whose membership has been drawn from the Simulation Reference Group that covers all 13 local areas. This work will begin shortly and will continue, within separate work-plans, over the coming 12 months.

A focus group is being planned for early April 2018, so that learners will have the opportunity to share their thoughts on early developments.

The first of our suite of short simulation films is now ‘in the can’. Filmed at University Hospital Birmingham, this piece of film proved to be an interesting example of wet-tissue simulation and was extremely well attended and received. With two more films scheduled during February, perinatal at Maudsley Hospital and virtual reality at Torbay Hospital, we are looking forward to producing a suite of films that will capture the benefits of SBE and share its usefulness for both learners and patients alike.

Our next WeCommunities Twitter chat will take place on 22 February 2018 with a multidisciplinary team community using the hashtag #WeNurses. It would be great if you could join us to contribute to the discussion.
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 click on this link: www.e-lfh.org.uk/planned-programmes.

New module released for e-FACE programme

The e-FACE e-learning programme has released a new module, Medical Skills in Oral and maxillofacial surgery (OMFS).

Developed by the British Association for Oral and Maxillofacial Surgeons (BAOMS) in partnership with HEE e-LfH, the module includes 21 sessions aimed at dental core trainees and junior trainees.

The module focuses on key topics, including: the unwell patient, practical prescribing and pharmacology, critical care and tracheostomy management.

The full list of sessions follows:

<table>
<thead>
<tr>
<th>Session</th>
<th>Topic</th>
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<tr>
<td>Approaching an Unwell Patient</td>
<td>Bisphosphonates</td>
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<tr>
<td>Understanding ECGs</td>
<td>Anticoagulants</td>
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<tr>
<td>ECG Interpretation</td>
<td>The Healthcare Team</td>
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<tr>
<td>ABG Interpretation</td>
<td>ITU and HDU</td>
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<tr>
<td>Interpreting Chest X-rays</td>
<td>Electrolytes</td>
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<td>The Day Case Patient</td>
<td>Immunodeficiency</td>
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<tr>
<td>The Major Surgery Patient</td>
<td>Basic Knowledge about Tracheostomies and Laryngectomies</td>
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<tr>
<td>The Emergency Patient</td>
<td>Emergency Management of a Tracheostomy or Laryngectomy</td>
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<tr>
<td>Interpreting Blood Test Results</td>
<td>General and Nursing Care of a Tracheostomy or Laryngectomy</td>
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<tr>
<td>Fluids</td>
<td>Analgesia</td>
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<td></td>
<td>Emergency Front of Neck Airway</td>
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The sessions are available on the e-LfH Hub and will be made available via the Electronic Staff Record (ESR) very soon.

For more information about the e-learning programme please visit: https://www.e-lfh.org.uk/programmes/oral-and-maxillofacial-surgery/
Foundation e-learning: Professional Capability

The e-learning sessions explore the relationship between doctors and their patients and how to deliver effective patient centered care.

‘Handling Complaints’ provides essential information about common factors leading to complaints, how to minimise these, the procedures involved and what the responsibilities are as a foundation doctor.

The Mental Capacity Act (MCA) protects the right of vulnerable people and this group of sessions cover topics such as assessing capacity, consent, patient autonomy and safeguarding. The learner will also consider the multidisciplinary team (MDT) approach to healthcare in the hospital and patient support after discharge.

Sessions:
Handling Complaints
Mental Capacity
Mental Capacity Assessment
Use of Restraint
Capacity and Difficult Consent
Patient Autonomy and Related Ethics
Safeguarding Vulnerable Adults
Confidentiality and Privacy
Keeping the Patient at the Centre of Care
Seeing the Whole Picture
Family Dynamics Affecting Discharge.

For more information about the e-learning programme please visit: https://www.e-lfh.org.uk/programmes/foundation-programme/

Congratulations to Dorothy Keane MBE

The clinical lead for HEE e-LfH’s Image Interpretation programme was recognised in the New Year Honours List with an MBE for services to radiography.

Dorothy Keane has devoted her career for the past seven years to expanding the e-LfH programme and making it a ‘must use’ for radiographers and other clinical professionals.

In a recent blog written for e-LfH, Dorothy reflected on the programme’s achievements as well as her own saying: "I could not have foreseen how it would grow and develop."
She said: "Our original remit was to develop high quality materials on image interpretation of the adult skeleton to support the radiography workforce. Having published these sessions, the overwhelmingly positive response spurred us to move on to new areas.

"The 50 adult skeleton sessions seemed at the time an enormous piece of work," Dorothy continued. "The project now encompasses over 400 sessions covering the breadth of radiographic practice; all modalities are covered as well as general sessions on subjects such as dementia. Whichever area of imaging you work in we have learning sessions to support your practice."

Dorothy manages a team of authors and editors and quality assures the content. She said: "We spend significant amounts of time updating and revising sessions as well as producing new ones to ensure we reflect current practice and technological innovation."

To access the Image Interpretation e-learning programme visit: https://www.e-lfh.org.uk/programmes/image-interpretation/

**Workforce Strategy consultation**


The report describes the nature and scale of these challenges and sets out proposals for the management of workforce issues at both local and national level.

The document is open for consultation until 23 March 2018.

To have your say on the report and to inform the Workforce Strategy visit: www.consultation.hee.nhs.uk.

**Torbay VR Lab project**

Advances in technology have made access to virtual reality (VR) equipment and environments relatively affordable and in recent years this has generated significant interest in its potential role within healthcare, particularly as a training and educational tool.

User cases of VR and other visual technology have highlighted that there is a recognition of the significant potential
of this training methodology. However, many NHS organisations lack the required knowledge and experience in introducing or deploying VR for training or within education. Coupled with this, there is need for further evidence as to which technical and faculty requirements may be necessary to effectively adopt VR in the context of healthcare education.

The VR Lab project at Torbay and South Devon NHS Foundation Trust supported by Health Education England seeks to address this by trialling VR equipment and applications. The trial will involve public, patients and health and care staff through user and task requirements analysis and functionality within an established facility. It will also help with signposting of resources and current projects as well as ‘how to’ and guide information around this technology.

The VR Lab’s primary goals will be two-fold:

- To test and evaluate next generation VR devices and software (including augmented reality / interactive environments) and determine potential utility for healthcare education
- To share learning and best practice around the use of VR in healthcare education, through written outputs, videos and engage a community/forum of practice relating to the use of VR in healthcare education.

It is expected the VR Lab space will be set up towards the end of February 2018. For further information please contact Nick Peres: n.peres@nhs.net.

Education Fellow opportunities

MedShr is looking for two medical education fellows and two dental education fellows for one year appointments to work in collaboration with Health Education England.

For more information please contact george.ulmann@medshr.net. The closing date for all four roles is 28 February 2018.

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