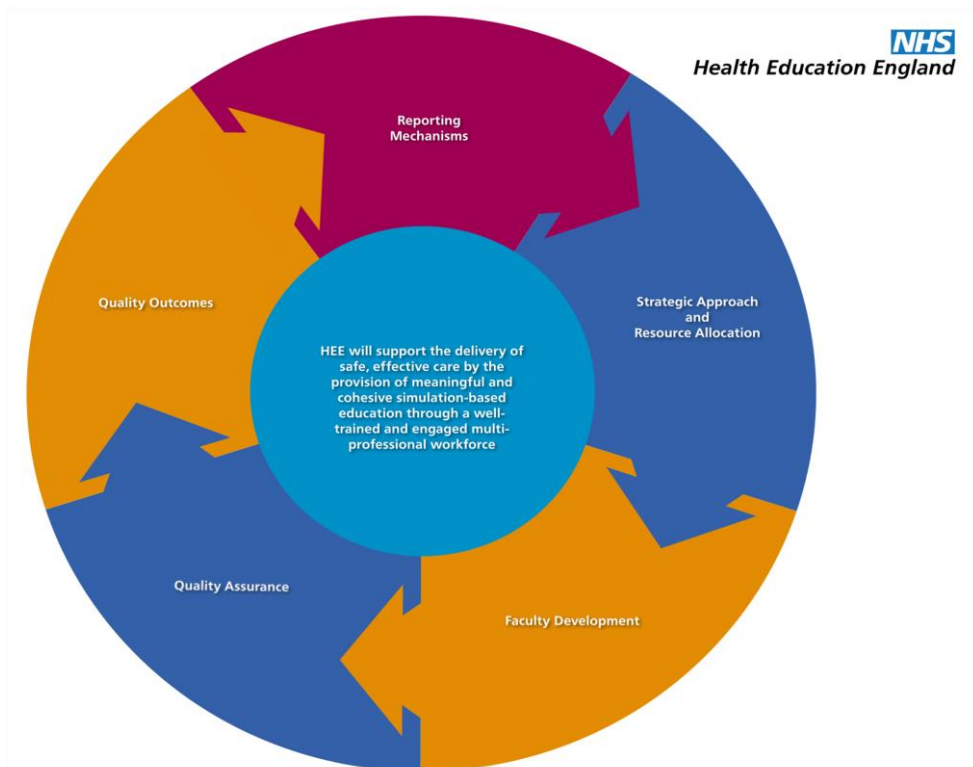**NHS**
Health Education England

TEL NEWS

Welcome to TEL News

As part of our Simulation-Based Education (SBE) Framework the above graphic has been produced to help explain the processes involved. See page 2 for an SBE update.

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

TEL Programme update

Simulation update

The HEE national Simulation-Based Education (SBE) Framework will be published soon. Some 'light-touch' KPIs have been developed in support of the framework so that HEE can look at its effectiveness and see how well the five guiding principles are embedding over time. These are currently being refined, but it is anticipated that they will be managed through HEE quality visits to ensure engagement, without increasing burden.

We are currently working with e-LfH's special projects team to develop a 'sim-specific' area on the e-LfH Hub. We want to harness all the goodwill and interest involved in the development of the framework by enabling the opportunity to upload case studies, exemplars, guidance and videos before the Learning Solution becomes available.

This is a result of all the interesting work being produced by Nick Peres, Head of Digital Technologies, Research and Development, Torbay and South Devon NHS Foundation Trust, and his team. HEE is partnering with Nick in the development of the VR Lab in Torbay which is going from strength to strength; the team has recently moved into its new premises and has already produced some excellent videos and interviews which can be seen here. The team's work was also recently featured on BBC News, as part of the NHS 70th anniversary celebrations, and the educational role and research around the technology and its potential for shaping a future NHS was explained.

Nick and the team are open to suggestions for producing materials and video content for the wider community and are happy to edit and host other content from VR initiatives nationally. They have set up the following email address for correspondence: vr.tsdft@nhs.net

AI Pilot

Our two Artificial Intelligence (AI) pilots with *Filtered* and with *Leeds Institute of Medical Education* are continuing at pace, with the pilot products due to be tested with users in September and October 2018.

AI has the potential to revolutionise the way that we deliver education and training to the health and care workforce, through increased personalisation and adaptive learning. Our two pilots will provide valuable research into the power of AI in an education context. The University of Leeds pilot is a closed pilot but the Filtered pilot, which is based on personalisation of resources around digital literacy, is open to everyone working in health and care. The pilot AI-powered tool is scheduled to be released for testing throughout

September and October and we would welcome volunteers to take part in this ground-breaking research.

If you would like to be involved, or can help recruit participants to test the tool, please contact richard.price@hee.nhs.uk.

Taxonomies update

Our taxonomy stakeholders and suppliers are due to come back together in London on 21 August, almost a year to the day since we held our taxonomies showcase event. This time they will discuss the practical implementation of the Pool Party taxonomy and ontology management system.

The taxonomy system helps us to manage controlled vocabularies and helps to provide structure to unstructured learning resources to improve their search and discoverability for learners, for example through the HEE Learning Solution.

The Pool Party system has now been successfully procured and installed and the workshop planned for 21 August is to discuss the practical implementation of the taxonomy engine to our digital systems and services.

If you would like to be involved, please contact richard.price@hee.nhs.uk.

Learning Solution update

Work is continuing on the development of the Learning Solution, building on the conclusions from the user research that was recently conducted. This has allowed us to define more of the technical architecture of the system as well producing a roadmap for the delivery of key features of the Learning Solution.

The other key activity that has been completed has been around the composition of the Service Team for the project. All the key roles defined by the Government Digital Service are now in place and the Service Team is gearing up to go into full production mode.

We are also working on the branding and design of the Learning Solution, which includes possible names for the new portal. We're keen to get as many people's views as possible so if you would like to be involved in the naming of the Learning Solution please email tel@hee.nhs.uk.

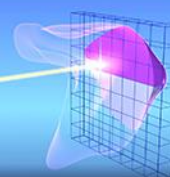TEL Programme

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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.

e-Learning programme launched to prepare staff for new proton beam therapy centres

Proton Beam Therapy (eProton)
An e-learning resource to support education and training of staff in preparation for the opening of the proton beam therapy centres in the UK

A new e-learning programme to support education and training of staff in preparation for the opening of the first NHS proton beam therapy (PBT) centres in the UK is now available.

The Proton Beam Therapy programme, eProton, has been designed for all staff groups working in NHS radiotherapy and related services, especially those in referral or support centres.

Each e-learning session contains interactive content which delivers the educational objectives using a variety of techniques, including animations and video.

Topics covered include the history of proton beam therapy, clinical indications and side effects, physical characteristics and generation of proton beams, treatment planning and delivery, radiation protection, along with the multi-disciplinary patient pathway.

e-LfH has worked in partnership with the Royal College of Radiologists, the Institute of Physics and Engineering in Medicine and the College of Radiographers to develop the programme.

Since 2008, NHS patients with selected indications believed most likely to benefit from PBT have received treatment overseas. However, the NHS has commissioned two UK PBT centres, at The Christie in Manchester (due to open in 2018) and at University College Hospital in London (opening 2020). A number of private centres are also planned. As the UK centres open, more patients who are likely to benefit will have access to PBT.

For more information about the e-learning programme and for details of how to access it visit: https://www.e-lfh.org.uk/programmes/eproton/.

TEL Programme

Doctors in Training Induction programme update

A national online induction programme for doctors in training became available at the end of June 2018.

The Doctors in Training (DiT) Induction Programme incorporates key relevant clinical topics which support doctors in training with the additional competencies needed as part of their induction to provide high quality patient care. The programme format involves three 'patient journey' scenarios each with an assessment.

Initial comments from learners have included the following:
- "Excellent module – learned a lot, very intuitive assessment."
- "Brilliantly made resource. Really well done actually! Reflected a real-life run-through of all the bits I'd do on day one, but gives chance to consider what errors would have been made and [to] avoid them in the real scenarios."

Trusts are looking at how they can incorporate this programme into their induction training.

The new induction e-learning programme is available via the e-LfH hub, the Electronic Staff Record (ESR) and some local Learning Management Systems via AICC links.

Evaluation Survey

Users that complete the new DiT Induction programme are invited to provide their feedback via this link.

The survey will take around five to 10 minutes to complete. The findings will be used to shape the programme, ensuring it best meets users' needs.

Those interested in participating in the research further are invited to provide their email address at the end of the survey. If your Trust would like to take part, please contact: evaluation.dit@e-lfh.org.uk.

For more information about the programme please email tel@hee.nhs.uk.

Population Health Portal

The HEE Population Health and Prevention team is working with the e-LfH team to create a sustainable digital solution to support the population health and prevention agenda.

The vision is to create a space where people can go to access resources for their development, education and training so that they can deliver improvements in public health and prevention. The solution will be aimed at the wider workforce; people working in health and social care and core public health workforces.

This will be achieved through the Population Health and Prevention programme being one of the pilot areas of work with the development of the TEL Learning Solution and with the establishment of a Population Health Portal on the e-LfH platform.

This portal will be an alternative presentation of the e-LfH Hub, directing users to a specific area where content on a particular topic has been grouped together using different branding and a different URL. So, it is essentially a landing page specifically for population health resources.

The portal will bring together learning materials from multiple sources including resources from HEE, Public Health England (PHE) (including All Our Health), the Academy for Public Health for London and Kent, Surrey and Sussex and other organisations.

A Digital Population Health Steering Group is overseeing this work and a call for resources to populate the portal will be announced soon. If you would like to know more about this work or have ideas to share, please contact php@hee.nhs.uk.

New e-LPRAS session now available

'Recognition and Treatment of Substance Abuse in Patients with Burns' is the latest session to be launched as part of our Plastic, Reconstructive and Aesthetic Surgery e-learning programme (e-LPRAS).

For more information about this programme, as well as details on access details, please visit: https://www.e-lfh.org.uk/programmes/plastic-reconstructive-and-aesthetic-surgery/.

e-Learning for Healthcare sessions in Foundation e-Learning Project: Professional Capability: 11 Obtains history, performs clinical examination, formulates differential diagnosis and management plan and Professional Capability: 12 Requests relevant investigations and acts upon results

Foundation specific e-learning that has been developed by the Academy of Medical Royal Colleges in partnership with HEE e-LfH and is approved by UKFPO is available for free to foundation trainees.

The e-learning sessions for Professional capability: 11 Obtains history, performs clinical examination, formulates differential diagnosis and management plan, begin with a case study to illustrate the issues and demonstrate the skills required in taking a patient's medication history and prescribing on admission to hospital. It covers history taking and examination in difficult circumstances. You will then look at outpatient consultation, the management of febrile illnesses and working in a multidisciplinary team (MDT) to organise a patient's safe discharge.

On completion of the e-learning sessions for Professional capability: 12 Requests relevant investigations and acts upon results, you discover when it is appropriate (or not) to do an investigation and what you need to consider before ordering investigations. The interpretation and practical application of investigation results is also explored.

Sessions:
Medication History Taking and Prescribing on Admission
Psychiatric Assessment and Mental State Examination
Delirium (Acute Confusional States): Recognition and Causes
Delirium (Acute Confusional States): Diagnosis and Management
Pyschotic Disorders
Mental Health Act
Holding an Outpatient Consultation
Hospital Acquired Fever: What to do
Hospital Acquired Fever: What to do Next
Infection Control: Diarrhoea in an Inpatient
Infection Control: Air and Blood Borne Pathogens
Ward Laboratory Interface
Ward and Imaging Interface
Multi-Disciplinary Discharge Planning
Selection of Investigations
Interpretation of Investigations: Practical Application

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

New e-learning programme to help healthcare staff understand NHS e-Referral Service

The NHS e-Referral Service (e-RS) is a national NHS IT system that enables patient referrals, primarily from GPs to first hospital or clinic appointments, to be booked in to health care services at a location, date and time to suit the patient. It allows patients to choose their initial hospital or clinic appointment, book it in the GP surgery at the point of referral or book it themselves online or via a national telephone line. Patients can then cancel or change the appointment if required. It enables clinicians to provide the best care in the most appropriate place, transforms the referral process and improves the patient journey.

e-LfH has worked with NHS Digital to develop learning content that will give NHS and healthcare staff a better understanding of e-RS and the functionality that is available to them. It will also show the benefits of using the system for both patients and professionals and how it can be used to support a streamlined referral process.

Content will continue to be developed by NHS Digital to expand the e-RS resources available to end users.

Further information and guidance on the e-RS programme can be found on the NHS Digital website.

For more information about e-RS and how to access the programme please visit: https://www.e-lfh.org.uk/programmes/e-referrals/.

NHS e-Referral Service

New e-LPRAS session now available

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For more information about this programme, as well as details on access details, please visit: https://www.e-lfh.org.uk/programmes/plastic-reconstructive-and-aesthetic-surgery/.

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Updated pain management e-learning programme

The e-learning programme "e-PAIN" that was developed by the Faculty of Pain Medicine, The British Pain Society and e-LfH is the place to begin for anyone working in the NHS who wishes to better understand and manage pain.

e-PAIN is a multidisciplinary programme based on the International Association for the Study of Pain's recommended multidisciplinary curriculum for healthcare professionals learning about pain management. Registration to the programme is free to all NHS staff members.

e-PAIN uniquely distils the knowledge of a range of professionals into 12 modules made up of interactive sessions to meet the needs of a multidisciplinary audience. The modules cover knowledge ranging from how to manage acute pain well, through to in-depth learning about common pain conditions and moves on to cover how to manage pain in specialist areas, such as pain in cancer or pain in childhood.

e-PAIN is current, up to date and presented in an interactive way to make both basic and specialist knowledge accessible.

Any e-PAIN module can be completed stand alone and a downloadable certificate is available upon completion of each module. Most sessions take on average 30 minutes to complete and each module has on average five sessions.

For more information about the e-learning programme and for details of how to access the programme visit: https://www.e-lfh.org.uk/programmes/pain-management/.

Horus link now active for Foundation Doctors

The Horus e-Portfolio link is now active for Foundation Doctors to transfer their e-learning history into their e-portfolio.

If you have a Horus or NHS Education for Scotland (NES) e-Portfolio e-learning sessions can be used to support the Foundation Curriculum.

To access our Foundation e-learning programme visit: https://www.e-lfh.org.uk/programmes/foundation-programme/.

TEL Programme

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Paediatric Surgery e-learning programme now live

An e-learning resource for trainee paediatric surgeons and other healthcare professionals involved in the surgical care of children is now available.

The Paediatric Surgery programme aims to provide an overview for healthcare professionals working in primary, secondary and tertiary care involved in the surgical care of children. The programme is compiled of three modules which cover the following topics: Introduction to Paediatric Surgery; General Surgery of Childhood and Specialist Paediatric Surgery. Modules are interactive and structured so the learner focuses on key objectives within each subject.

The programme has been developed by e-LfH in partnership with the British Association of Paediatric Surgeons.

The e-learning programme is available to access via the e-LfH Hub and ESR. AICC links are also available for this programme. Please email support@e-lfh.org.uk for more details.

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

Paediatric Surgery

An e-learning resource for trainee paediatric surgeons and other healthcare professionals involved in the surgical care of children

Free Care Certificate e-learning programme for health and care workforce

e-LfH is reminding the health and care workforce about the free e-learning programme that supports the theoretical standards of the Care Certificate.

The Care Certificate is an identified set of standards that the health and care workforce adhere to in their daily working life. The Care Certificate was developed to provide structured and consistent learning to ensure that care workers have the same introductory skills, knowledge and behaviours to provide compassionate, safe, quality care and support.

TEL Programme

The Care Certificate consists of 15 standards, all of which individuals need to complete in full before they can be awarded their certificate. The standards require both theoretical study and practical application within the student's place of work.

The Care Certificate e-learning programme has been developed to further support the theoretical component of each standard of the Care Certificate, and is freely available to staff in the health and care sectors. It is based on the Care Certificate workbook, which was developed by HEE, Skills for Care and Skills for Health.

For more information about the Care Certificate visit: https://www.hee.nhs.uk/our-work/care-certificate and for details on how to register for the free Care Certificate e-learning programme visit: https://www.e-lfh.org.uk/programmes/care-certificate/.

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