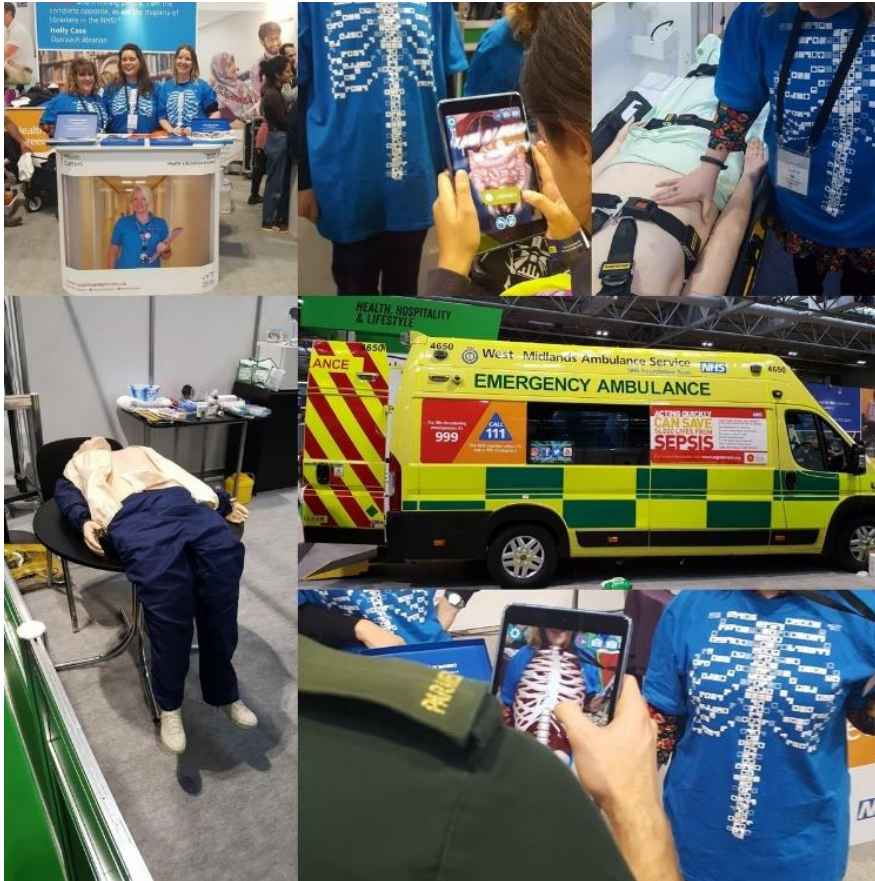


# TEL NEWS

## Welcome to TEL News



The TEL team attended WordSkills UK Live 2018 to support the HEE Health Careers Team in showcasing the NHS as a career. See page 5 for the full story.

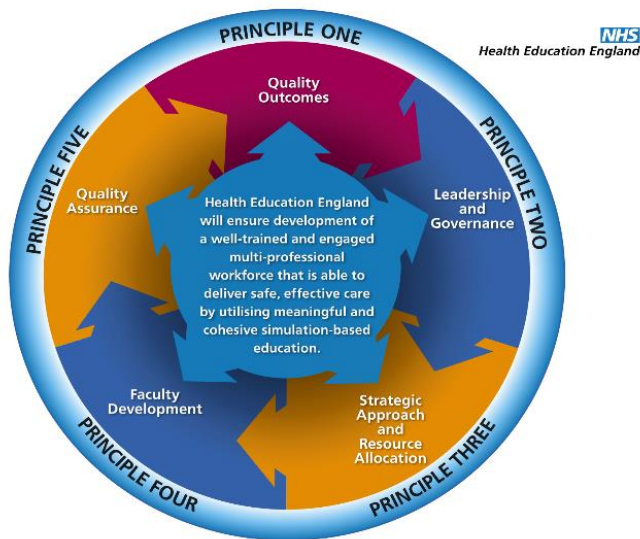
TEL News is your monthly update keeping you up to speed with all that is Technology Enhanced Learning (TEL) in healthcare. If a colleague would like adding to the distribution list please ask them to email [tel@hee.nhs.uk](mailto:tel@hee.nhs.uk) providing their contact details.

## TEL Programme update

### HEE National Simulation-Based Education Framework



The Simulation-Based Education (SBE) Framework has now been successfully launched and we have been delighted by the responses received. We have received feedback from colleagues saying they will be using the framework to inform and support in the development of their own strategies and requests to join working groups in the move towards a strategy. We feel confident in saying people remain engaged, focused and, most importantly, eager to share and collaborate.



The Key Performance Indicators (KPI) data collection process is also underway. The KPIs, aligned to the five guiding principles, have been kept deliberately 'light touch' for this first round to ensure the goodwill and engagement continues. The multi-professional SBE Assurance and Development Committee will be responsible for the data collection process, which will be coordinated by the Regional TEL Leads through the local Simulation Leads and overseen by the local Postgraduate Deans.

Responses to the KPIs will provide a useful steer in the development of the strategy, looking at both best practice and how the potential gaps might be responded to.

Some of the outputs from the Framework Task and Finish Groups are being prepared and refined in response to feedback received so far. These outputs are about the provision of guidance and exemplars in such areas as leadership and governance, quality assurance and faculty development. These will be released over the coming months and ultimately will be shared on 'The Learning Solution'.

Discussions are still underway with the e-LfH team into the feasibility of establishing a simple 'digital community of practice' for sharing and collaborating. A recent survey carried out with the Simulation Reference Group, showed that people are mostly using email and Dropbox. If you are currently successfully using a community of practice, please let us know.

## Association for Simulated Practice in Healthcare annual conference

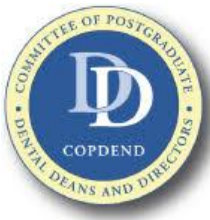


It was a pleasure meeting colleagues at ASPiH last week and good to make new contacts, as well as attend so many interesting presentations and workshops. Dr Neil Ralph's keynote speech was a great opportunity to share what the TEL Programme is about.

In addition, we ran a workshop entitled "Show and TEL" which introduced the SBE Framework and enabled us to carry out a Strengths, Weakness, Opportunities and Threats (SWOT) analysis with those attending. This information will feed into the delivery of the strategy next year.



## COPDEND annual conference



The TEL Programme was invited to speak at the annual COPDEND conference at the beginning of November in Birmingham. The team was able to introduce the TEL Programme and its range of projects – with a particular focus on SBE.

## Further SBE news

### **North West Simulation Programme**

A regional audit in the north west showed that some foundation doctors received little, or no simulation training. A robust needs analysis, literature review and incident data from NHS Improvement were mapped to the curriculum, after which two half day simulation sessions were provided for FY1 and 2. Evaluation of the programme, which has been rolled out across two other organisations and was piloted in several Trusts, has shown a marked increase in knowledge and a positive change in attitudes. In addition, these simulation sessions have helped in developing policy changes regarding support for clinical staff in emergency situations. For more information, contact: [mark.hellaby@mft.nhs.uk](mailto:mark.hellaby@mft.nhs.uk).

### **ELNConnect event**

Curation, xAPI and artificial intelligence (AI) were high on the agenda at this year's eLearning Network Connect event. The eLearning Network is a not-for-profit, Community Interest Company, run by the e-learning community for the learning community.





Members of the TEL team attended the event to learn from other industries and discover how they were tackling their educational problems using learning technology. Donald Clark talked about how AI is changing the design and delivery of learning and Julie Dirksen shared her research and techniques behind designing learning for behaviour change. There were also real-world case

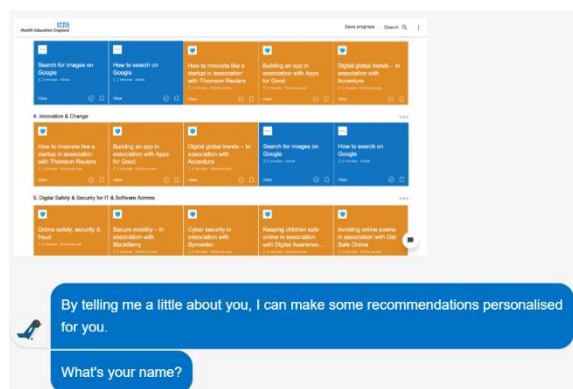
studies from industry and opportunities to speak with experts in their field to help get to grips with the core principles of learning design.

### Filtered pilot

In previous editions of TEL News, we have been sharing our work on the use of artificial intelligence to personalise learning. The tool, which we have developed with AI-pioneers Filtered, is already in use for training in a number of other sectors including the BBC, Shell and the Royal Mail. Our personalised learning tool uses resources and information from the HEE Digital Capabilities framework to provide personalised recommendations on your learning needs.

We are now able to give you the opportunity to test the Alpha prototype of this tool with your networks across the NHS and we would be grateful if you could cascade this to your health and care colleagues and networks.

**How it works:** You answer a few simple questions presented to you by Magpie, our chatbot. Magpie then analyses your answers and presents you with learning resources that it thinks are relevant to your needs. It's a little like Spotify or Netflix that learn your tastes, preferences and needs. The more you use it, the better it will become for you and for other users of the tool.



You can try it [here](#). As this is an Alpha prototype, we know it isn't perfect yet, so if you have any comments, queries or feedback, please email: [richard.price@hee.nhs.uk](mailto:richard.price@hee.nhs.uk) so we can incorporate changes into future versions.

## TEL attends WordSkills UK LIVE 2018



TEL colleagues attended WordSkills UK LIVE supporting the HEE Health Careers Team in showcasing the NHS as a career.

The event brings together major employers and organisations across all industries providing an opportunity to showcase careers to primary and secondary school students.

The HEE stand gave students the chance to 'have a go' at hands on activities relating to different roles in the NHS. This year various careers were showcased including pathology, ophthalmology, biomedical sciences, ambulance services, surgery, dentistry and

nursing. Students could perform a neck ultrasound, practice injections on a simulated arm, scan their eyes, visit a working ambulance and handle surgical equipment. The TEL team also demonstrated the 'Virtualitee' t-shirt, an augmented reality (AR) t-shirt developed by Curiscope. This 3D learning experience allows users to learn about a human body on a human body, a concept that teachers and students engaged with and enjoyed experiencing. For some students this was the first time they had experienced AR technology and many teachers we spoke to were looking for more modern ways to bring lessons up to date and make them as interactive as possible.

The Worldskills UK Live show gave the TEL team the opportunity to meet colleagues from other parts of the NHS and across other industries and also meet the potential new NHS workforce entering the system.



## **Learning Solution Taxonomy prototype**

The Learning Solution is a complex project with many different parts to it. Some of those are new to HEE and the NHS and are going to be prototyped and trialled through the Learning Solution. One of those is the Taxonomy system. As mentioned in previous editions of TEL News, we're currently working with our Taxonomy system suppliers to test out how the system could help the e-LfH registration system for huge lists, such as those for the job roles, across all of the health services in the UK. In a larger prototype, we're building a working version of the Learning Solution search engine using content data from various sources, including the e-LfH Hub. This will allow us to test and configure the Taxonomy system, conduct user research with the Learning Solution search frontend, as well as starting to develop the search engine itself.

## Other Learning Solution developments

- Following on from the success of our recent user research for the HEE Learning Solution, the service delivery team is diversifying the user research personas to effectively target future phases of development. To support this approach, we have released a new, and more importantly, 'quick to complete' form for users to get in touch, via the e-LfH Hub 'dashboard'. This new and permanent feature will hopefully mean users can volunteer for user research throughout the whole development cycle.

This will be complemented in the coming weeks with a refreshed survey requesting more detailed information, helping us determine some of the expected user actions and behaviours. If you would like to get involved, and help shape HEE's new Learning Solution, then please either log into the e-LfH Hub and complete the form, or contact [amy.ashford@hee.nhs.uk](mailto:amy.ashford@hee.nhs.uk) or [scott.mountifield@hee.nhs.uk](mailto:scott.mountifield@hee.nhs.uk).

## Meet the TEL team

In November's issue of TEL News, we introduce two more members of the programme team.

### Dr Neil Ralph National Programme Manager



Neil is the programme lead for TEL at HEE and has overall responsibility for the management of TEL and e-LfH, ensuring that we successfully deliver on our commitments. The programme has an important role, in collaboration with TEL regional teams, as an enabler to the work that HEE is tasked to deliver, as well as that of our many system partners.

Neil's focus is on how to ensure the programme continues to develop in that role through our work in simulation-based education, the development and delivery of e-learning, the creation of the Learning Solution plus our horizon scanning and innovation work. Neil is very confident in this ambitious aim because of the great colleagues in the team and the great relationships the team has with others.

### Sinead Cunningham Programme Officer – TEL Programme

Sinead initially joined the HEE TEL team in 2016 as Programme Administrator and has recently re-joined as Programme Officer. Based in Leeds, her role involves offering project support to the core and wider programme team. She is involved in all our projects through the monitoring of our budget and project plans to ensure they are being managed effectively.







### **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](http://www.e-lfh.org.uk/planned-programmes).

## **Learning from Deaths e-learning programme launched**



The introduction of the national Learning from Deaths framework has led to a requirement for training to support organisations in a variety of areas, including: their mortality governance, how they launch and handle investigations, maintaining a robust quality improvement strategy, embedding safety culture into their organisations and understanding the impact of human factors on staff performance and behaviour.

The Learning from Deaths e-learning programme, which was developed by Health Education England and Skills for Health, has recently been launched. The aim of the e-learning is to encourage a learning and quality improvement culture within the health and care sectors. It helps organisations remove barriers and enable a change in culture whereby all learning opportunities are taken. This in turn will result in improvements in care.

The e-learning package comprises the following six sessions:

1. How to use this e-learning
2. Culture and learning from deaths
3. Engaging with families and carers
4. Case record reviews and investigations
5. Actions and improvements
6. Trust Boards and the role of Non-Executive Directors.

The course is suitable for anyone working in a health or care setting and supports the 'ward-to-board' responsibility of learning from deaths and serious incidents and includes learning which is relevant to all roles.

For more information or to access the Learning from Deaths e-learning package visit <https://www.e-lfh.org.uk/programmes/learning-from-deaths/>.

## HEE's e-Learning for Healthcare's Foundation e-Learning Programme: Professional Capability 19

### Foundation e-Learning Programme

An innovative e-learning resource designed specifically to support the Foundation curriculum



Foundation specific e-learning is developed by the Academy of Medical Royal Colleges, in partnership with HEE e-LfH and is approved by UKFPO.

The drive for quality in the NHS has patient safety at its heart. The e-learning sessions in 'Professional Capability: 19 Makes patient safety a priority in clinical practice' concentrate on safe practice and what to do when things go wrong.

It begins with an interactive case study where learners diagnose and treat a patient, then evaluate the management plan. Moving on, learners examine safe personal working practices when treating patients. The session also looks at the management of febrile illnesses, infection control and disease notification. The focus then shifts to the importance of maintaining the learners' own health, both physical and mental.

Finally, the sessions look at the building blocks that support quality and safety in the NHS, including how to raise concerns about patient safety, team working, clinical governance, patient outcome and experience.

#### Sessions:

Senior Advice: When to Stop for Help  
Safe Practice the Doctors Perspective  
Human factors and analysis of adverse events

Medical Error: When Things Go Wrong  
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

Infection Control: Modes of Transmission  
Disease Notification

Stress - Mental Health

Health (Blood Borne Infection) and Handling Stress

An Underperforming Colleague - What To Do

Stress - Bullying

Introduction to Patient Safety

Quality and Safety in the NHS

Raising Concerns About Patient Safety

Team Working and Patient Safety

Clinical Governance

Outcomes and Patient Experience

Handling Complaints

Errors and Experiences in Healthcare

Minimising Risk in Healthcare

Organisations

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 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/>.

## Changes to Foundation Script

The next edition of SCRIPT is due for release in January 2019. SCRIPT 5 will deliver a complete overhaul of the user interface alongside improved module selection options and enhanced support for mobile devices. Over the coming year the e-learning modules will be gradually converted to a new design and layout that will further improve the learning experience.

SCRIPT by any other name...

For the launch of the new website, the original SCRIPT version, also known as Foundation SCRIPT, has been renamed to Medicine and Surgery SCRIPT. It also encompassed the undergraduate version, which is used by medical students across the country, and the version for Non-Medical Prescribers (NMPs) in secondary care. Medicine and Surgery SCRIPT remains the most widely used version of SCRIPT; it is now available to all Foundation trainees in England, Wales, and Northern Ireland, as well as over 5,000 medical students. Since the launch of SCRIPT 3 in 2015, over 250,000 modules have been completed.

## e-GP update



HEE e-LfH has been working with subject matter experts to undertake a review of 48 sessions within the General Practice 2012 Curriculum (e-GP) e-learning programme. To date 29 sessions have now been successfully reviewed and updated with 19 sessions remaining to assess.

This review includes e-learning modules covering the Royal College of General Practitioners (RCGP) curriculum such as Genetics in Primary Care, Care of People with Intellectual Disability, End of Life Care and others. The sessions are being rewritten and updated by the RCGP and will be released to the HEE e-LfH Hub. In addition, all sessions containing video content are now being updated with transcripts and subtitles.

The e-GP resource provides a programme of e-learning modules covering the RCGP curriculum. Each module is made up of reflective and interactive e-learning sessions that enhance GP training and support preparation for appraisal and revalidation.

For more information about the e-GP programme please visit: <https://www.e-lfh.org.uk/programmes/general-practitioners/>.

## Blended learning for Safeguarding Adults Training



The new national Intercollegiate Document '*Safeguarding for Adults: Roles and Competencies*', published over Summer 2018, defines the safeguarding knowledge, skills and attitudes required by all staff working in healthcare settings. The document specifies the safeguarding competencies required at levels 1 to 5, and additionally, for executive and non-executive directors at Board level.

HEE already provides level 1 and level 2 safeguarding adults e-learning. Work is now underway to co-produce a learning design with subject matter experts for levels 3 and 4. This phased programme of work is envisaged to be well underway in Spring 2019. We will update on the progress of this project at regular intervals; as we are mindful that commissioning cycles will be requesting this invaluable resource in the new financial year.

If you would like to know more about the project or wish to get involved, please contact [Alison.Potter@hee.nhs.uk](mailto:Alison.Potter@hee.nhs.uk).

## Image Interpretation

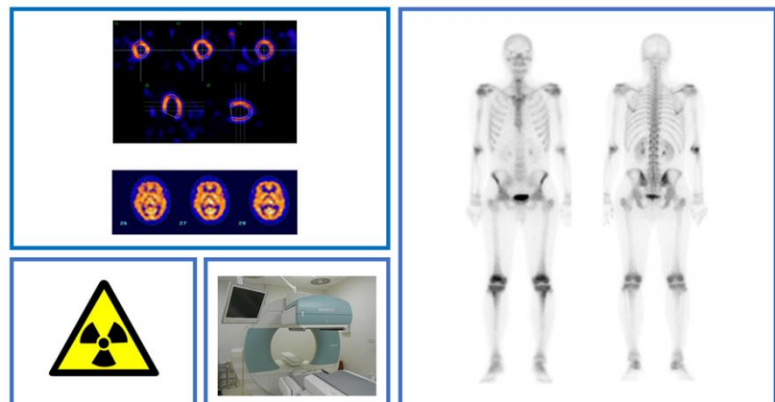
### Nuclear Medicine update

Professor Sobhan Vinjamuri and colleagues from the Department of Nuclear Medicine, Royal Liverpool and Broadgreen University Hospitals NHS Trust, have spent the summer reviewing and updating the Image Interpretation nuclear medicine sessions. Professor Vinjamuri is a former President of the British Nuclear Medicine Society, and currently their representative for Research and Innovation.

The module, originally written in 2014, explains what nuclear medicine is and describes some of the terms used.

It also identifies the skill mix required to deliver a nuclear medicine service. Sessions then go on to describe:

Gamma Camera Imaging  
 Bone Scanning  
 Lung Scanning  
 Renography  
 Endocrine System Imaging  
 Cardiac Stressing for  
 Myocardial Perfusion Studies  
 Myocardial Perfusion Imaging  
 PET-CT Technology



PET-CT Imaging for Oncology  
PET-CT Imaging for Non-oncology  
Sentinel Node Localisation

Radionuclide Therapy.

The updates were a team effort, with each member of the department reviewing sessions matching their expertise and interests. Comments from the team include:

“The course was excellent, and I congratulate the authors on their thoughtful interactive design.” – Christopher Mayes

“The session is very well structured. The subject in itself is very technical but the session was still easy to read and to understand using little videos as well as examples, diagrams and pictures. I have to say I enjoyed it.” – Ilona Troeger

“I felt that from a radiographer's point of view, the practical/technical aspects covered in scanning the cardiac MPI was very good and currently up to date with how it is performed. Overall, I enjoyed the learning module. I found the presentation content and the images/pictures utilised excellent.” – Helen Austin

“The presentation was accurate and precise” – Catherine Jones

“Comprehensive and well put together” – Elaine Pickford

Professor Vinjamuri and the Liverpool team are now using their expertise to help e-LfH with reviews of the Radiology (R-ITI) Radionuclide radiology content to ensure the material is consistently accurate and authoritative.

To access the sessions, visit <https://portal.e-lfh.org.uk/>.

### **New content to support neonatal chest radiography**

The Image Interpretation programme has developed a new session on neonatal radiography techniques focusing on optimising chest imaging outcomes. The session covers neonatal anatomy and development, the importance of good preparation, radiographic technique and positioning, exposure factors, radiation protection and optimal imaging outcomes.



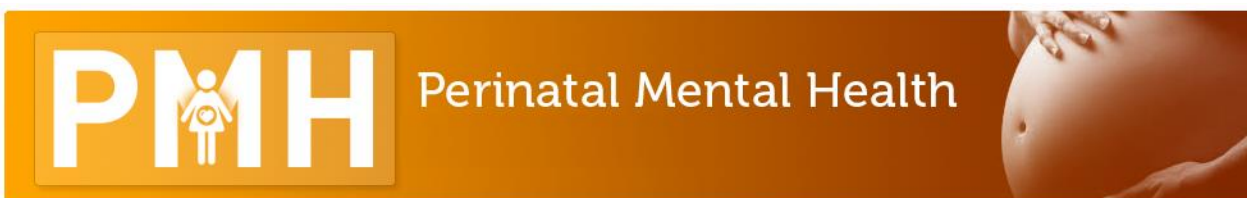


The session was written by Dr Penny Delf, Senior Fellow of Advance HE and Treasurer for the Association of Paediatric Radiographers. Dr Delf used many of her own diagrams and illustrations throughout the session to explain correct radiographic technique and positioning. Andrea Brammer, Clinical Effectiveness Lead at Manchester University NHS Foundation Trust and Chair of the Association of Paediatric Radiographers edited the session. Dr Penny Delf commented: “It has been a pleasure to prepare this session for such a major educational

platform. A key focus for the Association of Paediatric Radiographers is to disseminate good practice to help fellow radiographers develop a considered approach and optimise imaging outcomes, where accuracy and consistency are crucial in the management and care for the youngest of our patients. We would like to thank clinical colleagues at both Manchester University NHS Foundation Trust and University Hospital Southampton NHS Foundation Trust, for providing additional supporting information and photographs, which have helped strengthen the session.”

You can access the session [here](#). For more information please contact [lyndsey.callion@e-lfh.org.uk](mailto:lyndsey.callion@e-lfh.org.uk).

## Perinatal Mental Health Competency Framework



HEE has worked with the Tavistock and Portman NHS Foundation Trust to develop a skills-based competency framework for all staff working to support mothers and families across the perinatal care pathway, from preconception to postnatal care.

The framework is designed to increase awareness of perinatal mental health disorders and associated care skills while supporting advanced and specialist practice. Competencies are the skills, knowledge and behaviours that deliver high quality care and enable the continuous improvement of services. The framework has been developed to standardise competencies for perinatal mental health practice across England, thus helping to ensure the workforce is confident and suitably skilled to identify need and deliver care to women who have mental health problems during the perinatal period. This will thereby increase access to appropriate evidence-based specialist treatment. This framework lists several competencies over separate domains and is divided into categories for different types of healthcare worker; including those who have limited or infrequent contact as well as those who work in specialist perinatal services. Over time,

this competency framework may be used for recruitment, training and development, and discussions about career progression.

For more information about the framework, including access details visit: <https://www.e-lfh.org.uk/programmes/perinatal-mental-health/>.

## Notice of downtime

The HEE e-LfH Hub will be offline on Friday 14 December 2018 from 12noon until 6pm on Sunday 16 December for maintenance to the IT infrastructure. We are upgrading the servers for increased performance and stability of the HEE e-LfH Hub.

During this time users will not be able to access the HEE e-LfH Hub.

We apologise for any inconvenience this maintenance may cause.



For more information about anything you have read in this update please email [tel@hee.nhs.uk](mailto:tel@hee.nhs.uk).