“Let’s lead not follow. Genomics is the route in and to be applied to all territories”.

Lord Willis of Knaresborough – Independent Chair

Health Education England’s summary report from the round table discussion around strengthening the Nursing & Midwifery Contribution to Genomics that took place on the 28th June 2017.
Forward from Lord Willis

Genomics has the potential to impact every nurse and midwife. It is no longer a field just for specialists.

I was delighted to be invited again by Professor Lisa Bayliss-Pratt, Director of Nursing at HEE, to Chair this follow up roundtable discussion.

This report gives an insight into the updates received and the discussion we had at the event on the 28th June 2017. It was a pleasure to be informed of the excellent progress that’s been made since the previous meeting and the ongoing implementation of the Genomics Education Programmes (GEP) nursing and midwifery transformation strategy.

The meeting took an interactive format, with the GEP team posing questions to the members attending. This generated discussion around the current and future planned resources to support the workforce development needed.

The group also saw a preview of the new GEP animation, which highlights the work the programme is doing to educate and train staff from across all professions to gain the knowledge, skills and experience they need to embrace the extraordinary potential of genomics, and bring about lasting benefits for patients.

As demonstrated at the previous round table, an eye-catching summary of the discussion was recorded in the form of visual minutes, including the three main themes to emerge from the meeting: 'Learn, Share and Reflect'.

The outcome of the meeting was extremely positive, with all attendees engaged and keen to share new developments in genomics with their networks.

Overall the pace of progress, in this field more than almost any other, has significant implications for our future lives. From how we understand human health and develop ‘personalised’ approaches to preventing and treating disease.

The GEP team now has a number of actions to begin exploring with the assistance of the group. A follow-up meeting is planned for the new year to review progress.

Finally, I would like to thank colleagues from the Genomics Education Programme as an invaluable source of information and to everyone that attended on the day for their ideas and on going support.

Lord Willis of Knaresborough
Independent Chair
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Introduction

As nurses and midwives we play a key role throughout the patient journey. That journey is set to be revolutionised through advances in our understanding of DNA. We need to be ready to make the best use of this huge step forward in personalised medicine.

Imagine being able to give an individual a drug or advice to mitigate problems, or to effectively target diseased cells without affecting healthy cells. These are the possibilities of DNA based care (or genomics). Understanding how a persons DNA can affect their health will change how your patient is diagnosed and how you manage and treat the condition. Cancer and prenatal care are just two of the areas where genomics offers more personalised, precise diagnosis and treatment.

It’s clear to see that the nursing, midwifery and wider workforce have a pivotal role in ensuring that we successfully embed a genomics service within the NHS. Nurses, health visitors, school nurses and midwives are a huge workforce of almost 350,000, and in a unique position to support and enhance the advances being made. Personalised medicine has the potential to greatly influence nursing practice for the benefit of our patients. We all have a role in taking this further, and bringing the benefits of genomics to provide truly person-centred care.

We have an ambitious goal: to help drive changes at both a local, national and at a global level regardless of their role or clinical specialty. Embracing genomic healthcare requires a nursing and midwifery workforce that can inform, educate and empower people.

However there is still a significant challenge ahead of us to fully understand this agenda and how it integrates into clinical practice. So let’s get ready with the tools we need to communicate genomic information, understand the implications of the results and provide appropriate support. Nurses, midwives and the wider workforce have a pivotal role and it is important to seize the opportunity to enhance and bring the benefits of genomics to provide person-centred care.

Read Lisa’s Bayliss-Pratt’s full blog here at: http://bit.ly/2vlkD1S
Lord Willis of Knaresborough was delighted to accept another request from Professor Lisa Bayliss-Pratt, Director of Nursing at HEE, to chair this roundtable discussion.
HEE’s Vision and Values

Health Education England (HEE) exists for one reason only: to support the delivery of excellent healthcare and health improvement to the patients and public of England by ensuring that the workforce of today and tomorrow has the right numbers, skills, values and behaviours, at the right time and in the right place.

- Working together for patients
- Compassion
- Respect and dignity
- Improving lives
- Commitment to quality of care
- Everyone counts

Five revised objectives for HEE

- Thinking and leading
- Analysing and influencing
- Changing and improving
- Delivering and implementing
- Focusing and tomorrow
Invitations

National leaders from the nursing and midwifery system and representatives from a range of organisations were invited back, to gain their expertise and develop our thinking in order to secure the best educational system for genomics in the future.

Participants were carefully selected as a group of individuals recognised as experts across the breadth of Nursing, Midwifery, Public Health, Education & Training and Genomics.
**Participants**

The following people attended the follow up round table event:

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<td>Lord Willis</td>
<td>Independent Chair</td>
<td></td>
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<tr>
<td>Lisa Bayliss – Pratt</td>
<td>Health Education England</td>
<td>Director of Nursing and Deputy Director of Education &amp; Quality</td>
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<tr>
<td>Aditi Chowdhary-Ghandi</td>
<td>Nursing and Midwifery Council</td>
<td>Standards Development Specialist</td>
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<tr>
<td>Alison Pope</td>
<td>Genomics Education Programme</td>
<td>Genomics Education Programme Operations Manager</td>
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<tr>
<td>Dr Anneke Seller</td>
<td>Genomics Education Programme</td>
<td>Genomics Education Programme Scientific Director</td>
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<tr>
<td>Carmel McCalmont</td>
<td>Representing Royal College of Midwives</td>
<td>Head of Midwifery</td>
</tr>
<tr>
<td>Charlotte Szczepanik</td>
<td>Genomics Education Programme</td>
<td>Project Administrator – Genomics Education Programme</td>
</tr>
<tr>
<td>Dr Chris Patch</td>
<td>Genomics England</td>
<td>Clinical Lead for Genetic Counselling</td>
</tr>
<tr>
<td>Dame Professor Donna Kinnair</td>
<td>Royal College of Nursing</td>
<td>Director of Nursing</td>
</tr>
<tr>
<td>Dr Julie Green</td>
<td>Queen’s Nursing Institute – representing DNs and GPNs</td>
<td>Director of post graduate studies. Senior Lead in Nursing and Award Lead for Specialist Community Nursing.</td>
</tr>
<tr>
<td>Elaine Trainor</td>
<td>NHS England</td>
<td>Project Manager Evidence and Evaluation (LCAV)</td>
</tr>
<tr>
<td>Jane Niederer</td>
<td>Nuffield Department of Surgical Sciences at University of Oxford</td>
<td>Senior Nurse Clinician</td>
</tr>
<tr>
<td>Joanne Bosanquet</td>
<td>Public Health England</td>
<td>Deputy Chief Nurse</td>
</tr>
<tr>
<td>Karen Stansfield</td>
<td>Institute of Health</td>
<td>Head of Education and Quality</td>
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<tr>
<td>Maxine Foster</td>
<td>Genomics Education Programme</td>
<td>Genomics Education Programme Director</td>
</tr>
<tr>
<td>Suma Das</td>
<td>Nursing and Midwifery Council</td>
<td>Standards Development Specialist</td>
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<tr>
<td>Sue Hatton</td>
<td>Health Education England</td>
<td>Senior Nursing Policy Manager</td>
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Agenda

The key issues discussed during the day can be summarised as follows:

1. Introduction
   a) Focus and updates following the last roundtable in January 2017 & feedback on roundtable report, any update on pledges and professional mobilisation
   b) NMC Pre-registration standards.

2. Presentations
   a) World Collaborating Centres
   b) Faculty of Genomic Medicine update and opportunities for the nursing and midwifery workforce
   c) Creating a nursing and midwifery specialty video
   d) Update and progress to date on the HEE Genomics Education Programme
   e) Training needs analysis.

3. Discussions
   a) Overview of GEP Resources including the genomics game for nurses and midwives
   b) Toolkit and resource webpage
   c) Genomic champions/supporters/ambassadors
   d) G2NA – update
   e) Communication and professional mobilisation going forward
   f) Genomic Medicine Centres & HEI Posters

4. Summing up
   a) Next Steps and Summing up
Focus and updates from the last Round Table in January 2017

Feedback on roundtable report, any update on pledges and professional mobilisation

After Lord Willis had welcomed senior figures from the nursing and midwifery profession to its second genomics round table discussion, he explained the importance of maintaining these conversations, that there was a need to act quickly and not to wait during these unsettling political times.

“Let’s lead not follow, Genomics is the route in and to be applied to all territories”.

Lord Willis led a dialogue around progress since the last round table meeting in January 2017 and how the group could help more in sharing their experiences. It was unanimously agreed that it is important to talk about genomics at every given opportunity, adding information about genomics to talks and presentation’s to create a social movement across the nursing and midwifery profession.

Recognising the generational differences and needs of early career nurses and midwives in the workplace, there was an acknowledgement that science lessons in schools needed to address genomics alongside traditional genetics. Enabling young people to not only understand the role of genetics in their everyday lives and future careers, but to present a realistic perspective of genetics research that will encourage some to even become scientists in the future.

It was agreed that there needs to be more information shared with the midwifery profession as there had been a missed opportunity at a recent midwifery international meeting, where there hadn't been any reference to genomics throughout the event.
NMC Consultation on standards of proficiency for registered nurses

NMC colleagues updated everyone that genomics is included in both the Nursing Associate Framework and NMC Standards (Pre Reg Nurses) which are currently out for consultation till the 12th September 2017.

It was acknowledged by NMC colleagues that it was still early days and although there hadn’t been any analysis at present, overall the NMC have had positive feedback around the draft standards for future nurses, raising the profile of nursing and what is expected of them.

What do nurses think the future holds?

The draft standards of proficiency reflect what the NMC think the public will need in the future from the nurses who care for them. They are the minimum standards that a nurse will need to meet to be considered to be capable of safe and effective practice.

The full consultation - for nurses, midwives and those with a background in education or healthcare are being asked to give their views about the proposed standards of proficiency for registered nurses and the education framework: standards for education and training.

The standards of proficiency are structured under seven headings that describe key components of the roles, responsibilities and accountabilities of registered nurses.

https://www.nmc.org.uk/education/education-consultation/registered-nurses/

Action:
- For all members of the roundtable to keep talking about Genomics to arouse curiosity.
Presentations

Over the course of the day, there were a variety of presentations that gave an overall flavour of the discussions that needed to be explored further, to gain a consensuses or to debate around some key areas to inform the developing GEP products in clinical practice.

2a) World Collaborating Centres
2b) Genomics Education Programme International Collaborations
2c) Faculty of Genomic Medicine update and opportunities or the nursing and midwifery workforce
2d) Creating a nursing and midwifery specialty video
2e) Update and progress to date on the HEE Genomics Education Programme
2f) Training needs analysis
Joanne Bosanquet, Deputy Director of Nursing in Public Health England (PHE), provided an update around the WHO Collaborating Centres from across the world and shared PHE’s outline action plan.

The Chief Nursing Directorate at Public Health England have been designated as the first WHO Collaborating Centre for Public Health Nursing and Midwifery in November 2016. Professor Viv Bennett, Chief Nurse PHE is leading on this initiative. It was also noted that there wasn’t any additional finances attached to it.

3 Terms of Reference have been identified around generating evidence, defining the framework and developing a network. To date there has been two events held with a great response. PHE currently have 400 academic honorary contracts wrapped into the research. There is a concern that PHE is not in the ICN due to considerable cost involved. The RCN updated that they were aware that the ICN are currently restructuring the cost, with the desire to reunite, but obviously needs to be value for money.

During her conclusion, Joanne pledged to add some genomic slides or animations to every one of her presentations that she now gives, maximise social media and tweet using the genomics hashtag more (#HEEGenomics).

It was also noted and recognised that Professor Sue Hill was working with the G2MC around a policy positioning paper which also needed to be linked in.
PHE CND WHO Collaborating Centre for Public Health Nursing and Midwifery

ToR and initial outline action plan
International call to action for nurses and midwives

WHO Europe
Health 2020
Strategic Directions

Nursing and midwifery as a force for health and change

UK and Republic of Ireland
Caring for the public’s health
Making the vital resource visible
Embedding and extending the contribution of nurses and midwives

Prevent avoidable disease, Protect health, Promote wellbeing and resilience
WHO Europe Health 2020

Health 2020
A European policy framework supporting action across government and society for health and well-being

Chief Nurse Directorate
Designated first WHO Collaborating Centre for Public Health Nursing and Midwifery

Nurses and Midwives: a vital resource for health
Technical briefing, Division of Health Systems and Public Health Wednesday, 17 September 2014

Prevent avoidable disease, Protect health, Promote wellbeing resilience
WHO Public Health Nursing and Midwifery Collaborating Centre Terms of Reference

1) To support WHO by generating evidence and defining frameworks of practice for nurses and midwives which prevent avoidable illness, protect health and promote wellbeing and resilience.

2) To support WHO by providing information about the nurses’ (including health visitors) and midwives’ role and impact on maternal and child health.

3) On request of WHO provide policy advice and technical assistance about public health nursing and midwifery to the Regional Office and Member States.

To note WHO have a wide understanding of PH nursing and midwifery encompassing most community care
International Collaboration:
Around Genomics, there are currently significant global groups collaborating with the aim to share GEP knowledge and learn how they work. During the discussions a variety of actions were then identified by colleagues from around the roundtable, as it was recognised that when engaging internationally pace at scale was key. It was also important to gain the support locally to ensure that pace at scale and to spend time sharing best ideas and practice.

The round table were also asked for suggestions of contacts and organisations to link into regarding global collaboration.

Actions:
- The roundtable group to be kept updated via JB.
- The GEP needs to link in with the National Institute of Nursing Research (NINR).
- HEE to co-ordinate international links with Director of Global Health, PHE and WHO.
- To request a position statement from the ICN.
- HEE to follow up other key contacts suggested by the membership.
Faculty of Genomic Medicine update
Opportunities for the nursing and midwifery workforce

An updated was provided on the Faculty of Genomic Medicine which was launched in March 2017 by Sue Hill.

What is it?
In order to embed genomic medicine in mainstream healthcare a Faculty of Genomic Medicine has been created that will serve as the strategic and operational lead in this aim. The Faculty currently has 449 members.

The three key areas of activity are:

- To serve as the **centre of knowledge and expertise** about how advances thinking in genomic medicine will impact routine diagnosis, care and management of NHS and 3rd sector patients.
- To act as a professional network that **drives the spread of this knowledge and its implementation in practice across the services of the NHS and wide health system partners**.
- To inform, and be informed by, developments in genomics education and training, and research priorities in this space, **supporting innovation and change** in healthcare.

Faculty Benefits:
- Advance your career and research opportunities.
- Access webinars & lectures by experts.
- Networking - make connections and enhance relationships.
- Share and gain knowledge across clinical and scientific specialties.

A strategic advisory group
A strategic advisory group made up of leaders in genomic medicine will determine opportunities and activities for the Faculty which will then be delivered by Faculty members, drawn from across the healthcare sector in England as well abroad.
Thoughts are maturing how they can better engage with nurses and midwives going forward.
Emerging operating model for GEP

Health Education England
Genomics Education Programme
Strategy / policy / development of education and training

FACULTY OF GENOMIC MEDICINE
Faculty Advisory Group

Faculty Advisory Group consists of key individual stakeholders:
Clinicians
Scientists
GMCs
HEIs
Industry
International partners

Faculty members:
Individuals
Organisations
International partners

100,000 Genomes Project
NHS GMCs

NHS England
NHS Digital
Department of Health

Public Health England
National Institute for Health Research
Professional Bodies and Royal Colleges

Health Education England
Genomics Education Programme

Genomics England Clinical Interpretation Partnerships

17
Faculty webinar series

Four webinars are planned per year, led by leading healthcare professionals available to Faculty members introducing them to emerging themes within genomic medicine. [https://www.youtube.com/watch?v=scr0bgYWj8Q](https://www.youtube.com/watch?v=scr0bgYWj8Q)

Two webinars so far in 2017 looking at the role of the Faculty in genomic medicine and the impact of genomic medicine on diagnosis and treatment. Other themes for 2017 include:

- genomics and workforce transformation in England
- the genomics ‘industry’
- genomics on an international scale.
- Faculty members are also invited to submit potential themes for webinars, including presenting their own research.

The discussion focused primarily around engaging and reaching nurses and midwives and there was a strong theme around the need for the GEP communications to link into more groups and for members of the roundtable need to be speaking within their communities about Genomics.

**Actions:**

- Members of the round table were invited to submit potential themes for webinars relevant to nursing and midwifery and to link in with their professional communities.
- Links with Clinical Academic Careers programme to be explored.
- HEE colleagues to meet strategically to discuss how the GEP can link the programme into the WHO framework.
- GEP to link into the CLAHRCS programmes, which have been extending to 2019 and looking for new ventures to build an interface and advise on how future research strategies can align and maximise opportunities around nurse led initiatives with academics are merging with other fields. GEP to send information regarding Genomics directly to the Directors so that they can communicate the work the genomics programme is doing.
Training needs analysis of NHS Staff:
- Developed in conjunction with E&T leads from GMCs
- Cross-sectional survey with 2578 responses (covering all professional groups)
- 623 people out of 2578 that completed the training needs analysis were nurses and midwives.
- 23% (n=317) do not feel they have sufficient knowledge or skills in genomics to perform their CURRENT role
- 84.9% (n=93) feel they need further training in genomics

The themes of perceived needs:
Recognition of a need to acquire new knowledge and develop new skills

“It is imperative that going forward all nurses should be taught a basic understanding of Genomics… so that we might be better able to support our patients”

General Practice Nurse

“Genetics (will) influence the way we treat patients… I’m open to learning… to provide personalised care to all patients”

Nurse, pain management

Understand the relevance to their clinical role

“… how it relates to my practice, impacts on patient’s care and why I should know about it”

Nurse, anaesthetics and recovery

Did not see it as relevant

“Doesn’t apply to my specific area…”

Nurse, surgery

Awareness raising covers two groups of health professionals:
Recognise that genomics will be relevant to their role
Unaware of potential impact to their professional Practice.

Update on the HEE Genomics Education Programme
GEP animation

https://youtu.be/PNtrZuPt24A?t=2m9s
Creating a nursing and midwifery specialty video

Awareness-raising is a key component of our programme strategy. The GEP survey conducted at RCN Congress and Primary Care Conference (n=40) showed a preference for hearing from contemporaries and patients in a video. With survey preferences in mind, the GEP are taking a ‘case study’ approach to the video based around the ‘life course’. GEP has committed to create 2 videos, one for nursing and one for Midwifery with a key theme around ‘raising awareness’.

Various questions were asked of members of the roundtable throughout the ‘life course’, who the audience would want to hear from, promote and disseminate and ensuring patient and public involvement. It was unanimously agreed how incredibly valuable these videos would be as they are vital role modules that are currently missing in this field. Antenatal screening midwives are currently developing videos of their work. It was noted that they will also contribute to the image and value of nursing and midwives.

**Key video message:**

“Genomics has the potential to impact every nurse and midwife. It is no longer a field just for specialists.”

Case studies suggested to bring in a number of different roles to ensure they demonstrate how genomics is relevant to the patient showing the nurses skill and knowledge.

- Practice nurses
- Antenatal screening teams
- Bereavement midwives
- Learning disability nurses
- Nurse consultants
- Parents from the rare diseases community, patients and members of the public.
- Videos need to be practical and relevant to the patient. Nurses need to be at the heart of the story at any point in the system and be able to start the conversation
- Video case studies could be aligned to the 4 themes from the FYFV to include mental health, cancer and primary care.
- Link to policies, Nursing Associate Framework and NMC Standards.

**Action:**

- GEP to engage in partnership for videos and align a strategy to link with the Next steps on the NHS Five Year Forward View.
- To align with the completion of the NMC Standards consultation and new nursing students starting.
- To aim to release the video Autumn 2017.
Resources for the wider workforce

Discussions focused on an overview of GEP Resources.

WGS MOOC
- Online ‘social learning’ style course on FutureLearn
- Developed for health professionals with limited understanding of the sequencing process
- 13,500+ registered learners since Sep 16

Genomics film series
Filmed interviews to raise awareness of genomics in key areas:
- Cardiology, Pathology, Cardiology, Ophthalmology, Respiratory, Primary Care
- Nursing, Midwifery, Bioinformatics
- First films to launch by autumn 2017

Genomics 101 series
- Series of 8 short online modules aimed at health professionals with limited or no genomics knowledge.
- Designed to take the learner from genes and proteins, to genomics in clinical practice.
- Currently in development, launching late 2017

Genomics Game
- Board game for face-to-face interactive group learning activity
- Developed primarily for nursing workforce
- Aligned to current curricula
- Currently in testing phase, and due for release in August 2017

Also… introductory online courses, factsheets, articles, videos, animations and infographics
Resources for the wider workforce cont..

Genomics film series

- Series of 8 short online modules aimed at health professionals with limited or no genomics knowledge.
- Designed to take the learner from genes and proteins, right through to how genomics can be used in clinical practice.
- Will feature video, animation and infographics.

1. From gene to genome
2. Making a protein
3. Inheriting genetic information
4. Taking and drawing a family history
5. Classification of genetic conditions and variation
6. How genomics is used in healthcare
7. Communicating genetic and genomic information
8. How we investigate the genome

Some of the many GEP resources available
The Genomics Game

Aimed at nursing associates and pre/post-registration nurses with little or no previous genomics knowledge.

Designed to start the discussion and raise awareness of genomics and its application in healthcare.

The game is a non-facilitated supplementary learning tool intended to reinforce knowledge and increase retention.

Midwife version is in development.
HEIs sought to test new educational game

The Genomics Game, developed by Health Education England’s Genomics Education Programme, is an interactive and innovative way to start a bigger conversation about genomics and its application in healthcare.

Aimed at the nursing community, the game is designed to be used as an educational tool to support learning pathways and is aligned to the Nursing Associate Curriculum Framework and the draft NMC standards, which are currently out for consultation. The GEP is currently going through user testing with Higher Education Institutes delivering nursing associate and pre-reg nursing training, with the aim to launch August 2017. If you would like further information, please contact Ed Miller at the Genomics Education Programme: genomicseducation@hee.nhs.uk

Dr Jargon is a game designed to encourage health professionals to use simple, jargon-free language when talking to patients about medical conditions, treatments and their health. GEP are looking to launch one with Genomics terminology.

Action:
• GEP to ensure that the RCN & RCM have a copy of the game for their libraries.
• To explore launching the game at the RCM on the 13th September as Heads of Midwifery from across the UK will be there.
• GEP to confirmation to roundtable members the price of the game.
• GEP to explore with Lord Willis if the game could be used as a ‘Lunch and Learn opportunity’ in the House of Lords.
The Genomics Game
What our Trainee Associates told us

“The answers led people to generate other questions and gave a platform for developing further knowledge”
Pre-registration Nurse

“We were all able to discuss the questions once they had been answered. This added clarity to our knowledge”
Pre-registration Nurse

“I didn’t know anything about genomes before the game”
Trainee nursing associate - TNA

“We had some useful discussions and it helped us revise what we have learnt in university”
Trainee nursing associate - TNA

“Made you discuss things you were learning about” (TNA)
Pre-registration nurse

“This game makes learning interesting”
Pre-registration nurse

Q: What is a genome?
   A. A garden ornament
   B. An organism’s complete genetic material
   C. An individual gene

   Genome describes an organism’s complete genetic material, which is often referred to as DNA.
   Each genome contains all the information needed to build that organism and allow it to grow and develop.

Q: Why do people want to study the genome?
   A. Scientific curiosity
   B. Specific health reasons
   C. Trace our ancestry

   Study of genomes can improve our understanding of genetics, disease, and the human condition. It can help us understand why some people are more susceptible to certain diseases than others.

Q: What information can a genetic family history tell us?
   A. Biological relationships
   B. Identify a genetically inherited condition
   C. Identify who else in the family is at risk

   Knowing about family history can help identify genetic risks and guide medical decisions. It can also provide important information for future generations.

All 3 are correct. Taking an individual’s family history is extremely important when trying to identify whether a condition or disease runs in a family.

By documenting the genetic history of individuals and close family members, it may be possible to identify patterns of inheritance, provide a diagnosis, or implement effective treatment strategies.

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Educational toolkit

Toolkit and resources webpage: The GEP education toolkit is currently in progress, the aim is to be a one-stop shop that is transferable to all professionals. This will be a live webpage covering the whole breath of the workforce.
Further information

i) Genomics Education Programme Website & Infographic

www.genomicseducation.hee.nhs.uk

And our social media…

www.facebook.com/genomicsedu
www.twitter.com/genomicsedu

Contact us …

genomicseducation@hee.nhs.uk
It was acknowledged that ‘Genomics ambassadors’ were an action that arose from the previous meeting in January. The discussion that took place focused around the following questions:

**When should we launch?**
Suggested that we could launch in September when new nursing students start. Institutions could become Genomics Champions with their members being Genomics Ambassadors. Also need to have resources that nurses and midwives can use. Suggested that we could link with the nurses day.

**What should they be called?**
The round table was invited in its advisory capacity to make a decision and it was agreed for them to be called ‘Genomic Champions’.

**How to promote and disseminate?**
A variety of suggestions were discussed and actions agreed.

**How to encourage uptake?**
Need to incentivise individuals to become members and celebrate what people have achieved.

**Actions:**
- GEP to develop a briefing for Jane Cummings following the CMO report on the 4th July.
- GEP to review time table to get resources ready and then pick a day to launch with the appropriate communications materials and maximising opportunities at major conferences throughout the year to obtain organisational sign up. Chief Medical Officer to be asked to promote.
- GEP to explore a bracelet, badge, digital badge to be used on emails and social media, awards etc. to encourage take up.
- GEP to contact PHE re. Antibiotic Guardians model and lessons learnt.
- GEP to explore badges with scouts, guides, cubs and brownie groups around a genomics badge.
Communication and professional mobilisation going forward

The discussion focused around recognising that it is a challenge to raise the profile within local teams and to explore how the LWAB’s could follow up links into STPSs could support by sharing the improvements, agreeing that we need to continue to be communicating through many different channels.

**Action:**

- To continue to utilise Social media: Twitter chats, LinkedIn accounts, blogs, Nursing and midwifery press and RCN Library.
- Keep beating the drum about genomics and prepping communications - sending out positive constant comms.
- Roundtable members to promote the next nurses twitter chat on the 4th July at 8pm and to send in any ideas for @WeNurses chat topics?
- To plan a ‘Week of Action’ with written blogs from PHE, NMC etc. whilst making key messages simple.
Key themes and recommendations

Lord Willis again noted the progress since the last roundtable. A number of overarching themes emerged from the discussion.

1. Nursing & Midwifery Leadership
National leadership and from organisations represented at the roundtable continued to be seen as vitally important to continue the debate and champion the development and implementation of the GEP strategy to transform and embed genomics into nursing and midwifery practice. A key action for roundtable members was for us all to keep talking and promoting across our organisations about Genomics and promote at every opportunity to create a curiosity.

2. Building Capacity and Capability
There is a need to think about nursing and midwifery in the next 20 years and what the expectations will be to ensure that the workforce of today and tomorrow has the right skills, knowledge and competencies.

Ideas focused around having shorter express training – similar to primer day but for those who are already involved in Genomics. The importance of nurses and midwives ‘grabbing’ and accessing information when and where it is needed and applying it to their clinical practice.

3. The NMC and Council of Deans
To continue links with the NMC and forge links with the Council of Deans to make sure there is a stronger focus and understanding around genomics within the undergraduate/postgraduate curriculum and to identify what additional support is required from the GEP to support education establishments.

4. Utilising existing professional networks
It was seen as critical that we mobilise new and existing networks to raise awareness of genomics and its impact on nursing, midwifery practice and healthcare generally. Utilising the 13 GMC Education and Training Leads within Trusts across the country we can introduce the topic more broadly, help identify and share areas of good practice and map where genomics is currently being used in practice to develop the set of case studies.

5. Genomic Champions
Was seen as a key initiative to sign up individuals and organisations where they can support others to understand what genomics is and its impact on healthcare especially across the nursing and midwifery.
Key Findings and Recommendations

6. Communications and utilising social media
It was unanimously agreed around the importance to talk about genomics at all given opportunities, adding information about genomics to talks and presentation’s to create a social movement across the nursing and midwifery professions. The new GEP animation and filmed case studies suggested to bring in a number of different roles to ensure they demonstrate how genomics is relevant to the patient showing nurses and midwives at the heart of the story aligned to the Five Year Forward, Nest Steps around mental health, cancer and primary care linking into policies and new NMC Standards.
A need to strengthen and target communications to ensure engagement to highlight access to learning that’s profession appropriate. When you increase the number of people who see that genomics is relevant, then more individuals will engage highlighting the sense of urgency.
Key is around utilising existing communication avenues through PHE, iHV, RCN, RCM and other organisations around the roundtable to ensure consistent and targeted messages at pace and scale.

7. Understanding pathways and patient touch-points
There is a need to understand where the genomics touch-points are along the patient pathway and identify education and training needs for those staff who are coming into contact with this activity.

8. Global Collaborations
There are currently significant global groups collaborating with the aim to share GEP knowledge and learn how they work. When engaging internationally pace at scale was key, as important to gain the support locally, ensure pace at scale and to spend time sharing best ideas and practice. It was agreed that the GEP would establish stronger links with PHE Collaborating Centre.

9. Faculty of Genomic Medicine
In order to embed genomic medicine in mainstream healthcare, the Faculty of Genomic Medicine has been created that will serve as the strategic and operational lead in this aim that roundtable members were asked to promote across their networks.
Lord Willis closed the meeting by thanking attendees for their involvement and valuable input. He highlighted the success of the Nursing and Midwifery round table and celebrated the work that is being done around the country.

During the summing up he praised that huge step change in activity and conversations since the previous meeting in January and offered his continued support at the round table, his continued involvement around signposting to information and resources.
If you have any comments or queries?

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Appendix 1. Genomic Medicine Centres and HEI’s posters

There is a lot of activity taking place at the local GMC centres.
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Training and Education
Oxford NHS Genomic Medicine Centre
Jen Whitfield, Training and Education Lead

South London Genomics Education
Delivering high-quality education and training
South London NHS Genomic Medicine Centre

Workforce transformation
Building the legacy of the 100,000 Genomes Project
Melanie Watson, Eileen Roberts and Aniko Varadi, West of England NHS GMC
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There is a lot of activity taking place at the local GMC centres.
Appendix 2: The GEP team

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CSO

Nikki Latham
SRO

Anneke Seller
Scientific Director

Max Foster
Programme Director

Alison Pope
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