

The Genomics Education Programme

Equipping the healthcare workforce with critical knowledge and skills



- High-quality e-learning for a wide range of healthcare professionals
- Interactive content with film, animation and exercises
- Written by leading UK specialists and regularly updated

Genomics has the potential to transform the way we diagnose, manage and treat disease, including cancer, infectious diseases and rare inherited conditions. But we need to ensure that healthcare professionals have the knowledge and skills to harness its potential.

Developed by Health Education England, this online learning programme meets that requirement. The content has been written by clinical and scientific experts in the UK, which is operating at the forefront of genomics and personalised medicine.

You can access the programme online and study at your own pace – anywhere, at any time.

key features at a glance

- **Peer-reviewed content**
The content has been written and peer-reviewed by subject-matter experts in the UK. It is regularly reviewed and updated to reflect the latest developments and best clinical practice.
- **Multi-professional use**
The e-learning content is suitable for doctors, nurses, midwives, clinical and biomedical scientists, histopathologists, public health practitioners and clinical researchers. It is relevant to fully qualified professionals and trainees.
- **Interactive and accessible**
You can use various interactive features, such as film, animation and learner exercises, which help to embed knowledge and understanding.
- **Standardised learning**
You and other learners all access standardised, high-quality content – providing consistent resources for all.
- **Certificate of completion**
On successful completion of the assessment, you can produce a certificate as evidence of your learning.
- **Convenient online access**
You can study at home, in work or on the move – and fit the learning around your busy working life.

In partnership with:



Background to the programme

This e-learning was initiated for the UK Government's 100,000 Genomes Project – one of the largest and most ambitious of its kind in the world. The outcomes from this project are transforming the way patients are cared for in the National Health Service.

Due to its success, the project scope has broadened out and a range of e-learning is now available to the wider healthcare workforce globally.

The e-learning sessions include many interactive elements, such as films, animations, learner exercises and quizzes. The films include interviews with clinicians, clinical

scientists, bioinformaticians and other healthcare professionals, who all share their valuable insights.

Flexible learning for busy professionals

You can select e-learning sessions that are relevant to your areas of interest and dip into the content as required. Each module includes assessment questions to check your understanding. On successful completion of each module assessment, you can download or print a certificate.

You can use the programme for general learning, as a refresher on key themes or blended with other techniques, such as face-to-face training.

Using this engaging e-learning resource, you can build your knowledge and understanding to meet key challenges in the emerging field of genomics.

PURCHASE NOW

“ The genomic revolution is critical to the personalisation of healthcare, to the prediction of disease, and the prevention of disease. That's why we will make sure that we train not just our current workforce but our future workforce in the skills they need to be able to respond. ”

Professor Ian Cumming OBE, Chief Executive, Health Education England

course content

The programme includes four modules, which are divided further into bite-sized learning segments.

Public Health Masterclass: Genomics in Healthcare

Learn from the experts in this video-based course discussing how genomics is driving change in key areas of public health (3 hours).

Introduction to Bioinformatics

Discover the principles and practices of clinical bioinformatics, key challenges in the field and the problems it can help to solve (90 minutes).

Sample Processing and DNA Extraction

This video-based course covers best practice for processing blood and tumour samples for the 100,000 Genomes Project (60 minutes).

100,000 Genomes Project: Preparing for the Consent Conversation

Learn the key steps of the consent process, how to prepare for the discussion and address patients' concerns or questions (90 minutes).