

I'm a nurse. Why do I need to know about genomics?

All nurses need to be able to talk to their patients about genomics. It is included in the NMC Standards of proficiency for registered nurses:

www.nmc.org.uk

Where does genomics feature in everyday nursing practice?

- **Diagnosis and finding answers for patients:** Are you aware of the genomic testing your patients are having routinely and the implications of the results? Are you able to explain this effectively to minimise anxiety?
- **Family history:** When your patients talk to you about their family history can you recognise the likelihood of an inherited condition? Do you know how to advise them?
- **Access to genomic testing:** Genomic testing is available for eligible patients with diabetes, renal, liver, cardiac disease, cancer and much more. Examples include DPYD testing prior to 5-fluoropyrimidines, mt-RNR1 testing prior to aminoglycosides.
- **Targeted treatment:** Including monoclonal antibodies, small molecule inhibitors to reduce cancer growth.
- **Research:** Genomics is an integral part of translational research. Check out the NHS Galleri Trial (www.nhs-galleri.org) and Our Future Health (ourfuturehealth.org.uk)

I'm a nurse. Where can I learn more about genomics?

Explore the many free online courses and resources at:



NHSE Genomics Education Programme

genomicseducation.hee.nhs.uk

Online courses and tools, including GeNotes case-study-based resources.



e-Learning for Healthcare

e-lfh.org.uk

Relevant courses include Genomics 101, Genomics in clinical practice conversations.

Explore the National Genomic Test directory:

england.nhs.uk/publication/national-genomic-test-directories/

Find out more about the National Genomic Research Library:

genomicsengland.co.uk/patients-participants/data



GeNotes

GeNotes

<https://www.genomicseducation.hee.nhs.uk/genotes/in-the-clinic>

This educational resource to support you in the clinic includes endocrinology, oncology, neurology, paediatrics and others.



Future Learn

futurelearn.com

Many courses are free if completed within a specific timeframe.

centralsouthgenomics.nhs.uk

GMSAAdmin@uhb.nhs.uk

[@CaS_Genomics](https://twitter.com/CaS_Genomics)