

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

**All GPs need to know about genomics. It's included in the RCGP curriculum.**  
Look below to see where genomics features in everyday primary care practice:

- **Rare diseases are individually rare but collectively affect 1:17 families.** GPs may have a caseload with a number of patients with the same rare disease within a family. You may be approached by a patient for advice about their own risk, risk to their children, or for preconception advice.
- **Most care for patients with genetic conditions is provided in the community.** A patient's genetic condition might influence your choice of commonly prescribed medications such as HRT or contraceptives.
- **Some common conditions have genetic susceptibility.** Clinical Genetics only see the patients that GPs refer to them. As a GP you are in a unique position to suspect these diagnoses early and refer appropriately.
- Patients with **inherited cancer predisposition syndromes** need regular screening to find cancer early and improve prognosis. You can encourage them to attend for this.
- GPs **can give preconception advice for families** with known genetic conditions and **encourage relatives to be tested** to benefit from additional screening/treatment.
- **Genes influence the way that our bodies process medication.** As more research emerges, genetics is likely to influence our approach to prescribing in the future. This is already being seen in the prescription of clopidogrel to patients who have had a stroke.

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

Explore the many free online courses and resources at:



## NHSE Genomics Education Programme

[genomicseducation.hee.nhs.uk](https://genomicseducation.hee.nhs.uk)

Includes online courses, tools to help take a family history and GeNotes [Genomic Notes] providing concise information on primary care.



## e-Learning for Healthcare

[e-lfh.org.uk](https://e-lfh.org.uk)

Relevant courses include Genomics 101, ANNB screening programmes and close relative marriage modules.



**GeNotes**

## GeNotes

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

An educational resource to support you in the clinic, including sections on cancer, rare disease, and genomics within primary care.





## Royal College of General Practitioners

[rcgp.org.uk](https://rcgp.org.uk)

RCGP's Genomics Toolkit provides a wealth of training resources.

Explore the National Genomic Test Directory to find out about NHSE commissioned genomic tests and eligibility criteria at: [www.england.nhs.uk/publication/national-genomic-test-directories/](https://www.england.nhs.uk/publication/national-genomic-test-directories/)

[centralsouthgenomics.nhs.uk](https://centralsouthgenomics.nhs.uk)   
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