National Human Genome Research Institute

Global Genetics Genomics Community (G3C)

G3C is a collection of interactive genomics cases that simulate **real-life patient encounters**. Users ask questions that are answered with videos from patient actors. NHGRI, the National Cancer Institute, and other collaborators created these **free case studies for individual self-study** or **for healthcare provider training**. Experts from the NHGRI Inter-Society Coordinating Committee for Practitioner Education in Genomics (genome.gov/iscc) and other organizations provide reviews and expert commentaries. **Cases are open to all**.

Interview "patients" at your own pace › Complete supplemental educational activities › Assess your genomic competency › Consider commentary about specific cases from genomic experts

For the healthcare provider:

Cases include common genetic healthcare conditions, such as:

- Cancer
- Cardiology
- Pharmacogenomics
- Prenatal testing

Rare conditions include:

- Cystic fibrosis
- Sickle cell disease

Case summary:
https://www.genomicscases.net/en/case_summaries/

Cases are leveled easy/intermediate/advanced and are searchable based on specific clinical categories. The users' performance is assessed across multiple domains such as risk assessment, family history, and patient medical history. Performance outcomes are provided for each completed case.

For the educator needing virtual learning experiences:

G3C can be used in several ways, including:

- An assignment to explore a specific case within one clinical category
- An exploration of multiple cases across diverse ethnic backgrounds, ages, and conditions
- A practice to examine students' ability to assess a patient's risk
- An an example integrated into a lecture in which key questions about the case are explored to generate discussions

G3C Instructor's Guides are available to provide suggestions for educators.

NHGRI Provider Genomics Education Resources:
https://www.genome.gov/For-Health-Professionals/Provider-Genomics-Education-Resources

NIH NHGRI

To learn more information about G3C
genomicscases.net | **email:** G3C@nih.gov

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