

# Genetics Home Reference



<https://ghr.nlm.nih.gov/>

## Your Guide to Understanding Genetic Conditions

Genetics Home Reference is the NLM website for consumer information about genetic conditions and the gene or chromosome changes associated with those conditions. The site provides health information in straightforward, easy-to-understand language for people with genetic conditions, their families, and the general public. It also includes hundreds of educational pictures and illustrations.

### Major features of Genetics Home Reference include:



**Genetic condition summaries**, including each condition's major features, genetic basis, pattern of inheritance, and links to support organizations and additional information.



**Gene summaries**, including the gene's official name and symbol, chromosomal location, normal function, health implications of genetic changes, and links to more detailed information.



**Chromosome and mitochondrial DNA summaries**, including a description of how genetic changes lead to particular health conditions.



**Help Me Understand Genetics**, a primer on human genetics that provides an illustrated explanation of how genes work and how mutations cause disorders. It also includes information about genetic inheritance, gene families, the genetics of normal human traits, genetic testing (including newborn screening), gene therapy, genomics research, and precision medicine.

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The information on Genetics Home Reference is written by staff with a background in genetics and reviewed by experts in the field. Patient support and advocacy groups also provide feedback on the website's content.

Genetics Home Reference is designed to be mobile-responsive, so the content is easily accessible on a computer, tablet, or smart phone. The website is confidential, noncommercial, and available at any time, free of charge to help the public understand their health.



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