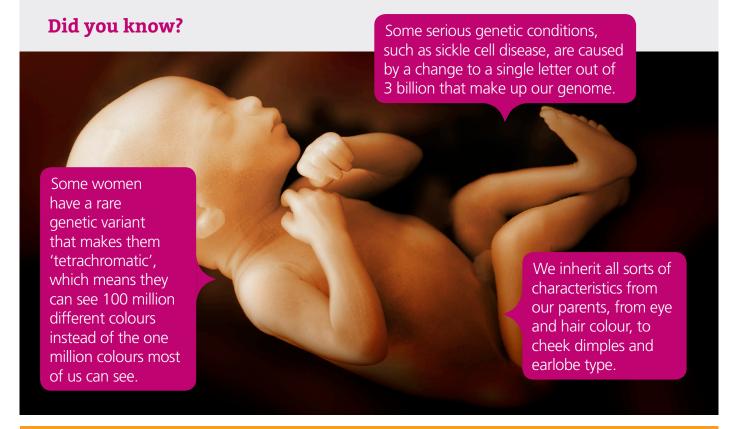




Inheritance and genetic conditions

Key facts

- In genomics, inheritance is the passing of genetic information from parents to their children.
- Inheritance is why members of the same family share similar characteristics.
- Individuals inherit their genomes from their parents 50% from their mother and 50% from their father.
- It will not be the same 50% that is inherited each time, which means siblings from the same parents will be genetically different unless they are identical twins.
- Genetic variants that cause health conditions can be passed on from parents to their children. Understanding this can help with the clinical management of a family.



Find out more

For information about rare inherited conditions, such as cystic fibrosis and familial hypercholesterolaemia, view our factsheets: **www.bit.ly/Genetic-Conditions**

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