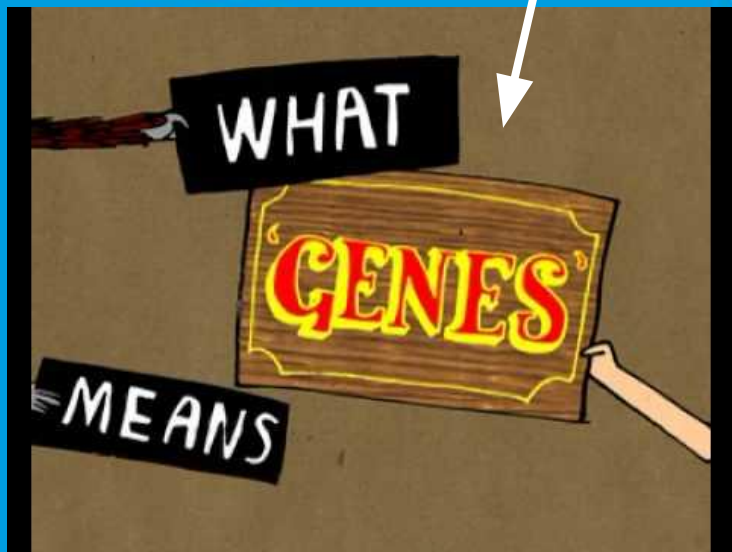


25

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25 YEARS OF  
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JEANS



CHANGE  
LIVES



# FACTS ABOUT GENES

A genetic disorder is not caused by anything that a mum does while the baby is in her tummy and you cannot catch it from someone. It is just something that some children are born with.

Our bodies are made up of 50 trillion cells

Inside each cell are around 23,000 genes

Sometimes there is a mistake in a gene – part of it might be missing or be in the wrong place. When this happens, it might mean that a child is blind, or cannot walk, or has to take medicine each day. This is called a genetic disorder.

We inherit half of our genes from our mum and half from our dad

Each gene has a special job to do and carries the instructions for making proteins. Proteins are the building blocks for everything in our body – they make our bones, our blood, our teeth, our hearts and even our earlobes!

Genes carry information that help your body know how to grow, develop and function



FOR MORE RESOURCES GO TO [WWW.GENESAREUS.ORG](http://WWW.GENESAREUS.ORG)

CREATED IN COLLABORATION WITH **nowgen**

A Centre for Genetics in Healthcare



What Genes Means