Genomics in healthcare

Key facts

- In healthcare, genomics can be used with health data to improve prediction, diagnosis, prevention and treatment of disease.
- Personalised – or precision – medicine describes treatment or care specifically tailored to the individual.
- Pharmacogneomics uses genomic information to optimise drug responses and minimise adverse side-effects.

Did you know?

Variation in our genomes can reveal whether someone might develop a genetic condition, or that they are more susceptible to developing a certain condition.

Variation in people's genomes mean they may respond differently to a treatment for the same condition.

Advances in technology and reductions in cost mean techniques like whole genome sequencing can be used in a healthcare setting.

Find out more

To see examples of how genomics is being used in the NHS, visit:
www.bit.ly/GenomicsinHC

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www.hee.nhs.uk   **www.genomicseducation.hee.nhs.uk**

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