

Staff from the MRC Human Genetics Unit liaised with the Lead Biology Teacher for Edinburgh and a working group of teachers to create a real data resource that enables school pupils to explore genetic and phenotypic data as part of their Scottish Qualifications Authority Nat5 Biology / Higher Biology / Higher Human Biology Assignment.

The data consists of individual genotypes and phenotypes of participants in the Generation Scotland cohort (Scottish Family Health Study, GS:SFHS), www.generationscotland.org. It is part of the Resource pack "Human genetic variation and disease". The resource pack and teachers resources make use of research from the MRC Human Genetics Unit, University of Edinburgh and provide information on:

- Genetic variation/ DNA mutations
- Genetic basis of disease risk
- Human population cohort studies, biobanks and methods
- Genes and Proteins in Health and Disease
- Human Genomics
- Expression of genotype and protein production

For further details see the Public events and resources tab of the MRC Human Genetics Unit website:

<http://www.ed.ac.uk/mrc-human-genetics-unit/public-events-resources/inspiring-the-next-generation-of-researchers/school-data-resources>