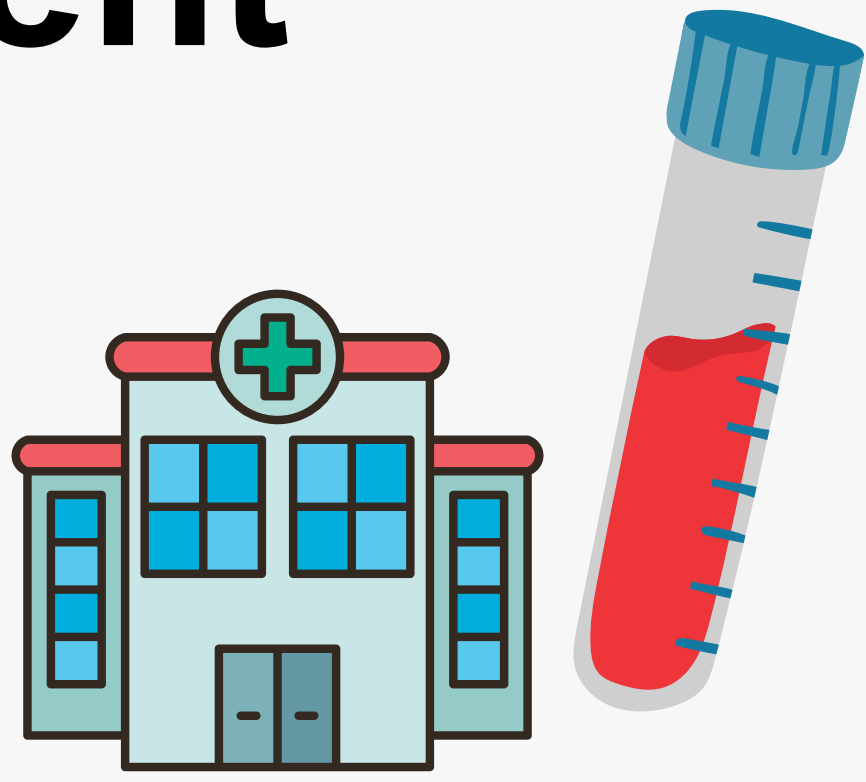


What is Generation Scotland?

Generation Scotland is a research resource made up of people from across Scotland used to study the genetic and environmental basis of common diseases.

Recruitment

Original GS
Recruitment
2006-2011
25,128



Clinic
collected
blood sample
23,979

NextGenScot
Recruitment
2022-2025
15,939





Remote
Postal Saliva
Samples
10,777

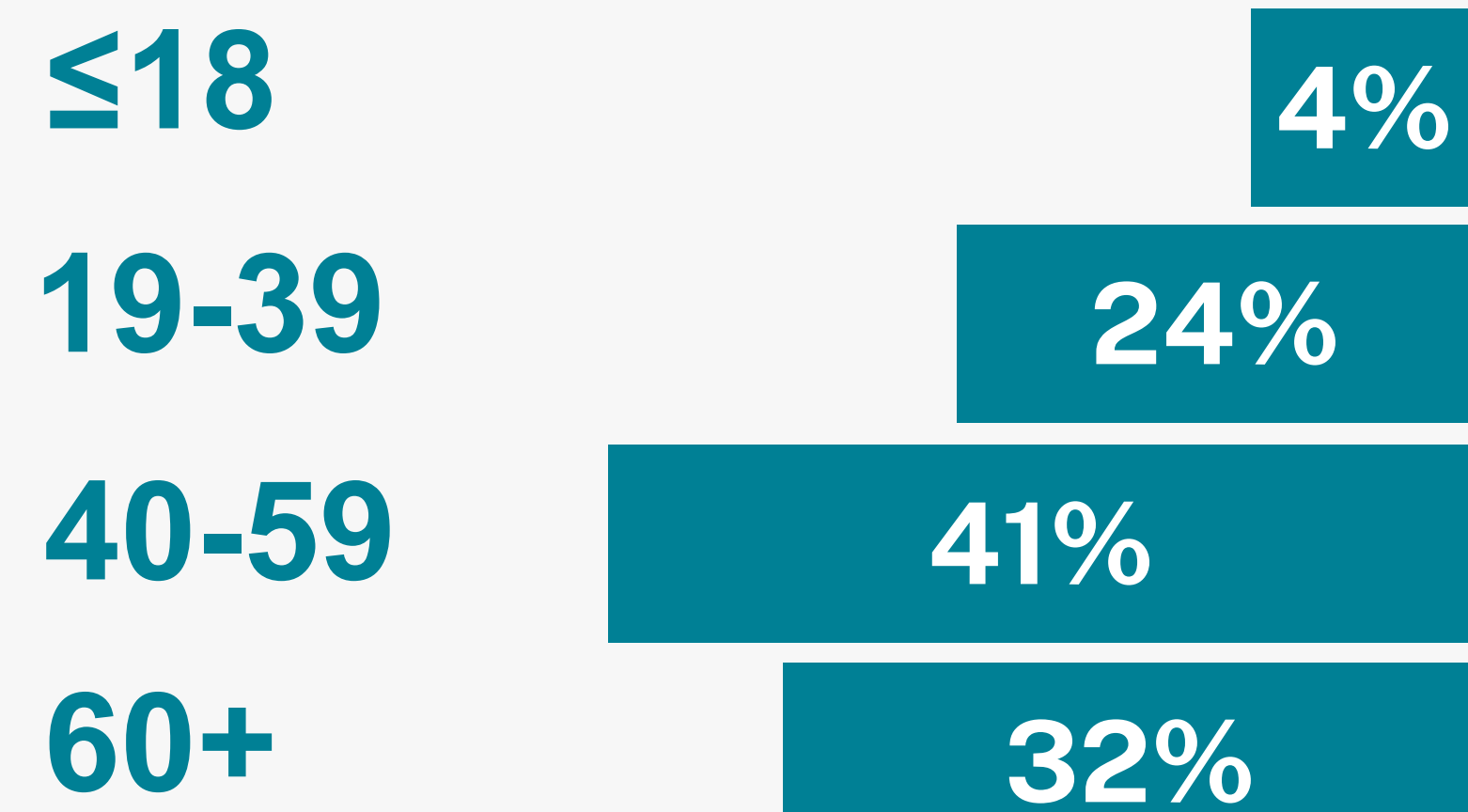


We recruited new participants through TV, social media, radio, school lesson plans... Scan to watch our TV advert!

41,067 Total Participants

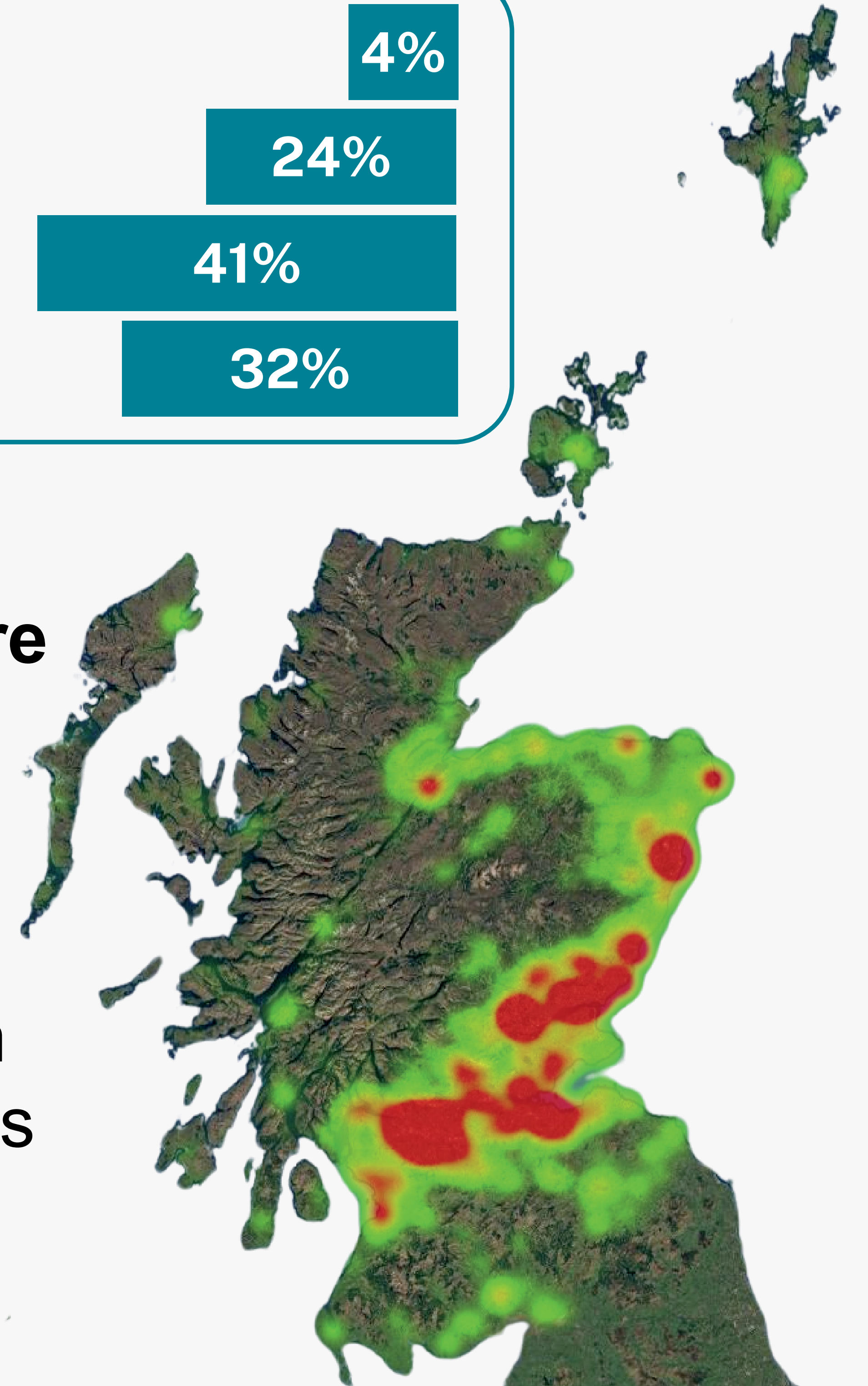
14,175 35%  25,721 63%  Missing/prefer not to say 1,171

Age
joined
the
study



Participants are
from across
Scotland!

31% from
rural areas



Data available for researchers

Currently data is available for the original GS Recruitment only. NextGenScot participants will be added once recruitment has concluded, data is collated and genotyping is complete.



5,501 Families

With at least two related individuals in the study. This helps researchers see how traits or health conditions run in families.

Genomic Data 20,026 (83%)

Genomic data refers to the complete set of DNA in a person which includes all the genes that determine traits like eye color or susceptibility to certain diseases.

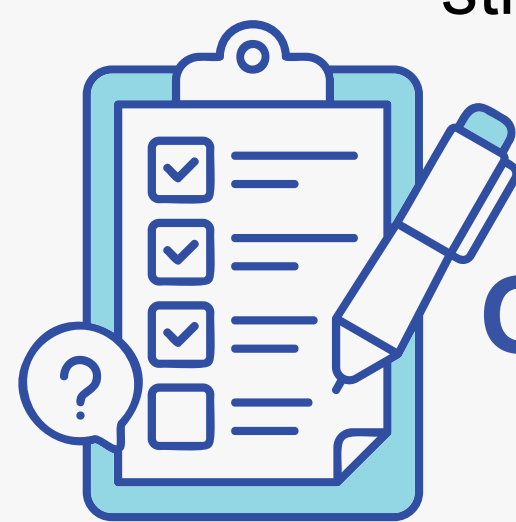


Proteomic Data 19,891 (83%)

Proteomic data looks at all the proteins in a cell or tissue. Proteins are the workers that carry out the instructions from DNA to build structures, transport materials, and carry signals.

Methylation Data 19,062 (79%)

Methylation data shows chemical changes on the DNA that don't alter the actual sequence but can turn genes on or off. These changes can be influenced by aging, environment, or lifestyle.



Questionnaire Data 19,891 (83%)

Participants have completed questionnaires collecting a range of demographic, social characteristics and personal behaviours. This includes smoking status, alcohol consumption and personal and family disease history.

Linkage to health records 23,587 ~95%

13.5M GP attendances
4.7M Prescriptions
147K Hospital admissions
4.4K Cancer Registry records
1.5K Diabetes Registry records
Scottish medical imaging
Dental records



By linking study data to NHS health records researchers can track participants' health over time in great detail. Scotland's NHS data is especially rich and varied, which helps build a more complete picture of people's health.

Researcher use of GS data

392
Publications

366
Researchers

140
Institutions

20
Countries

Acknowledgements

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