

An introduction to the Central and South Genomic Medicine Service Alliance

The NHS Central and South Genomic Medicine Service Alliance (GMS Alliance) is one of seven Alliances launched in England in January 2021. The Alliances have been created by NHS England to embed genomics into routine care across the country, ensuring equity of access and providing faster diagnoses and more effective, personalised treatment for patients.

The Alliances, as part of the NHS Genomic Medicine Service, will help the NHS become the first health service in the world to bring genomic testing and personalised medicine into routine care, with a key focus on improving our understanding of the underlying causes of illness to guide specific treatment options for each patient.



Our 22/23 projects

We are working on a range of projects, including leading on national projects and our own regional projects. These projects include:

National

- Nursing and Midwifery
- Lynch syndrome
- DPYD
- Monogenic diabetes
- Pathology
- Sudden Cardiac Death
- ctDNA
- RNA Sequencing
- Pharmacogenomics

Regional

- Primary care programme
- South Asian Exome panel
- Mendlescan
- Geneseize
- Breast cancer
- Calculating familial cancer risks
- Somatic cancer programme
- Diagnosis and management for haem-onc
- Meeting the needs of transgender patients with cancer



About Us

We are the largest GMSA serving a population of approx. 12 million people. CAS covers 41 NHS trusts from the West Midlands through central England to the south coast with major centres for genomics in Birmingham, Oxford and Southampton. Our vision is to deliver access to genomic based diagnostics and therapeutics across the NHS. Our key priorities are to provide equity of access for eligible patients, develop pathways and workforce and to embed genomics into routine clinical practice.

- promote equity of access
- develop clinical pathways for delivery with a particular focus on primary care and under-served populations
- embed genomics in all relevant areas of clinical practice
- workforce development
- prospective integration of research

Who we work with

We work with many groups of people, both within the NHS and more widely. Key stakeholders for the Central and South GMSA include:

- The public and people with lived experience of genomics (Patient support groups, charities and foundations)
- NHS staff involved in patient care that links to genomics
- Genetic and genomic medicine specialists such as clinical genetic consultants, genetic scientists and genetic counsellors
- NHS workforce trainers and educators such as Health Education England and local Trust education teams
- The wider NHS workforce, including primary care and community teams and foundation and core trainees of all professions
- Academic Health Science Networks, Integrated Care Systems, Cancer Alliances, the other six GMS Alliances, Genomics England, Health Education England, and NHS England.

The area we cover



Contact us

- ✉ GMSAAdmin@uhb.nhs.uk
- 🐦 [@CaS_Genomics](https://twitter.com/CaS_Genomics)
- 🌐 centralsouthgenomics.nhs.uk/