NHS
Central and South Genomics

Central and South Genomic Medicine Service Alliance Transformation Projects

The Central and South Genomic Medicine Service Alliance (CAS GMSA) is responsible for leading transformation projects to embed genomics into primary care.

The CAS GMSA spans the West Midlands through central England to the south coast with major centres for genomics in Birmingham, Oxford and Southampton.

Find out what we do and how to get involved >

Priorities of the CAS GMSA

- Promote equity of access
- Develop clinical pathways for delivery with a particular focus on primary care and under-served populations
- Embed genomics in all areas of clinical practice
- Workforce development
- Prospective integration of research

How the GMSA works with PCNs

Support

- Programme leadership and support from GMSA
- Projects rolled out incrementally in GP practices
- Opportunity to learn from other PCNs already involved
- Educational support and training from Genetic Counsellors, Health Education England, and Project Leads
- GMSA aim to fit in around PCN availability

Funding

- Establish a Key Worker role (usually a Nurse) to work on the project up to 1 day per week
- Key Worker and Lead GP involvement in project is remunerated by the GMSA

Our 22/23 transformation projects

FaHRAS Familial Cancer Risk Toolkit

Train key workers to evaluate the family history of patients with familial cancer risk using decision support software (FaHRAS). Patients confirmed to be at increased risk are referred to outreach specialist services.

Women identified as moderate risk of breast cancer

Use FaHRAS to identify and evaluate women with a moderate risk (n=1500) and develop new clinical pathways to provide on-going support of these patients to include lifestyle cancer risk factors, and risk adapted screening schedules.

Mendelian

Implement MendelScan software to access data extract of primary care records of patients. The case finding criteria will be applied to the data and flag patients at risk of approximately 20 rare diseases. Identified cases are reviewed by trained key worker, GP and Genetics team (20 mins per case, case load 1 in 1000).

Genseize – improved diagnoses of epilepsy

Offer the most up-to-date whole genome sequencing to all children and adults with primary epilepsy. Equity of access to genetic testing, specifically reaching out to under-served groups

POET (Preconception Optimised Exome Testing)

Deliver effective genetic services to populations at high risk of serious genetic childhood disorders and developing measures to prevent and reduce perinatal, infant and early childhood mortality.

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Wider project team
Genetic Counsellors, Clinical Leads, HEE Educators, Key Workers and GPs

Contact us

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