NHS
North Thames
Genomic Medicine Service

@NorthThamesGenomics

MIDWIVES IN GENOMICS

ISSUE 3 | DECEMBER 2025

WELCOME TO OUR

Newsletter

what's inside

season's greetings

As the holiday season approaches, it's a fitting moment to reflect on a year of meaningful progress in our genomics community. This season offers a welcome pause and chance to look ahead.

We are pleased to share this special edition of the Midwives in Genomics Newsletter, featuring updates and insights to support your continued growth and connection within the field. Wishing you a season of renewal, steady inspiration and continued curiosity!

genomics england's generation study: freddie's story

Freddie was born healthy in April 2025, and thanks to his parents having joined the **Generation Study** during pregnancy — a partnership between Genomics England and NHS England — his genome was sequenced shortly after birth. The results revealed a genetic change in the **RB1 gene**, indicating hereditary retinoblastoma, a rare and aggressive eye cancer.

Because of early detection, Freddie began treatment within weeks at Birmingham Children's Hospital, receiving chemotherapy and laser therapy. Doctors are hopeful about preserving his vision, which might not have been possible without the study.

His parents, Vicky and Joey, say joining the study was life-changing:

"If we hadn't joined, the cancer wouldn't have been picked up so early and Freddie could have lost all his sight."

Genomics England | Generation Study

The Generation Study aims to sequence 100,000 newborn genomes to improve diagnosis and treatment of genetic conditions — Freddie's story shows the incredible impact of early genomic screening.

Learn more about the Generation Study, if it's recruiting at your site, and how it's shaping the future of newborn health.

LEARN MORE

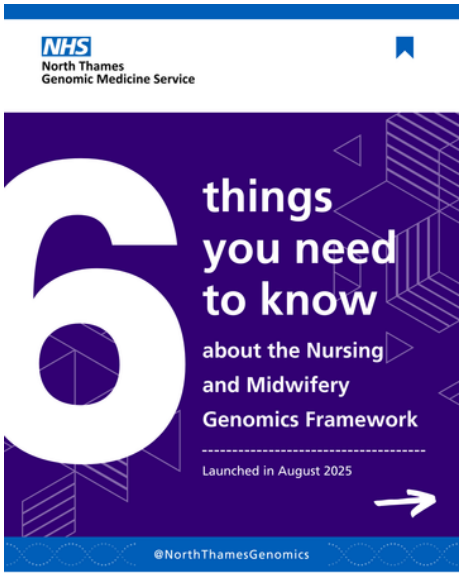
genomics is transforming healthcare

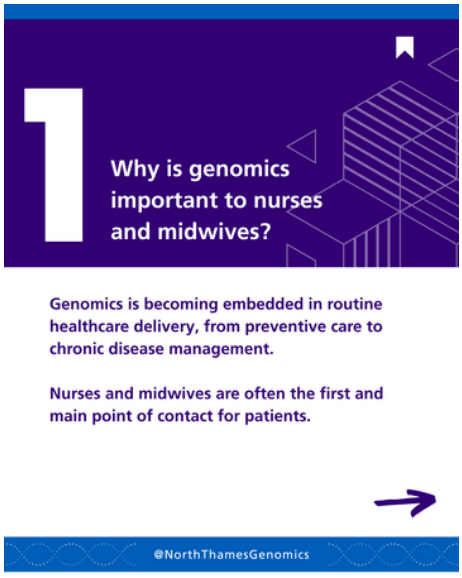
Did you know NHS England has published a **Nursing and Midwifery Genomics Framework** and this is what **Professor Dame Sue Hill**, Chief Scientific Officer for England and Senior Responsible Officer for Genomics in the NHS says:

"Genomics is revolutionising healthcare by enabling faster diagnoses, targeted treatments, and precision medicines. It plays a vital role in cancer care and rare disease management, improving patient outcomes and access to clinical trials."

LEARN MORE

"The Accelerating Genomic Medicine in the NHS strategy calls for all healthcare professionals to develop genomic knowledge. As the largest workforce group, nurses and midwives must be supported to integrate genomics into practice. The Nursing and Midwifery Genomics Framework provides guidance to empower them in this transformation."





Continue reading on LinkedIn...

news & events


Huntington's Disease: Care coordination and latest research advancements
Dec 12th, 2025. 13:00 – 14:00
Our experts will be covering:
• A brief overview of Huntington's Disease and its progression
• Patient pathways and care coordination
• The latest research and advanced therapies
NHS
Genomic Medicine Service


Wednesday 20 JANUARY 2026 10:00 - 12:30 UK
Free to Attend Online Spotlight Webinar:
GENOMICS & THE NEWBORN: NAVIGATING UNCERTAINTY, EARLY CONVERSATIONS, AND TESTING PATHWAYS IN NEWBORN CARE
Liam Willgress
Advanced Neonatal Nurse Practitioner, Norfolk and Norwich University Hospital Neonatal Intensive Care Unit
Jo Hargrave
Lead Midwife, East GMSA
Anita Davis,
Information Officer for Family Support, UNIQUE
Tina Prendeville
Lead Midwife, North Thames GMSA,
Senior Research Midwife, Imperial College London
Pooja Dasani
Genetic Counselling Lead, North Thames GMSA
Principal Genetic Counsellor, Great Ormond Street Hospital.
Philandra Costello,
Lead Nurse, CAS GMSA
Supported by:
MATFLIX
VIDEO STREAMING FROM MATERNITY EXPERTS

hot topics

For both novices and experts alike, the following links are to the educational resources for personal learning and for use ‘In the Clinic’:

GENOMICS 101

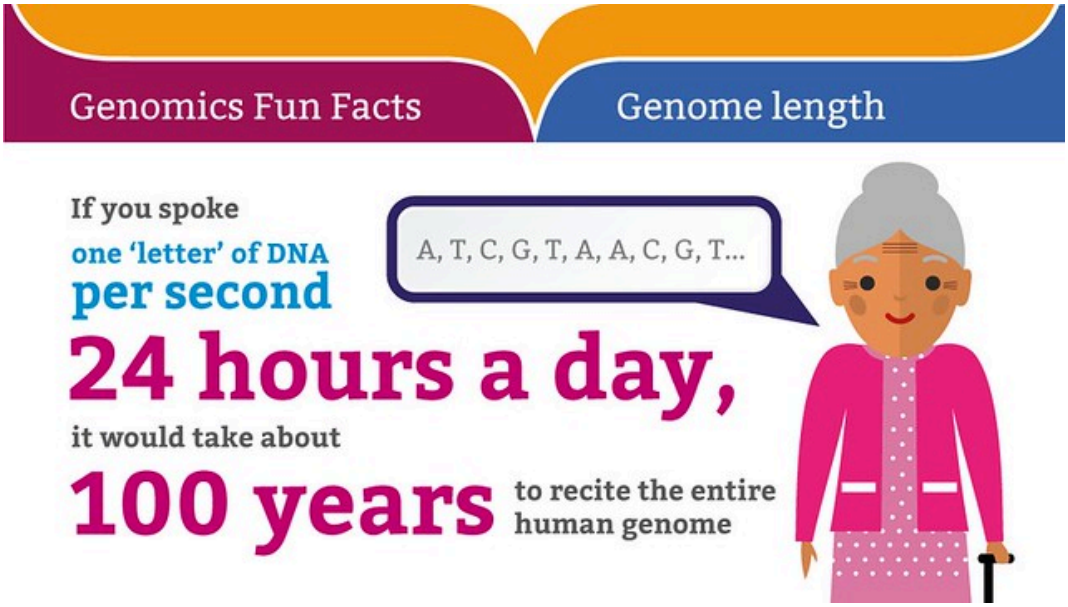
GENOTES

GENOMIC QUESTION TIME

GENOMICS EDUCATION PROGRAMME

Genomics Education Programme

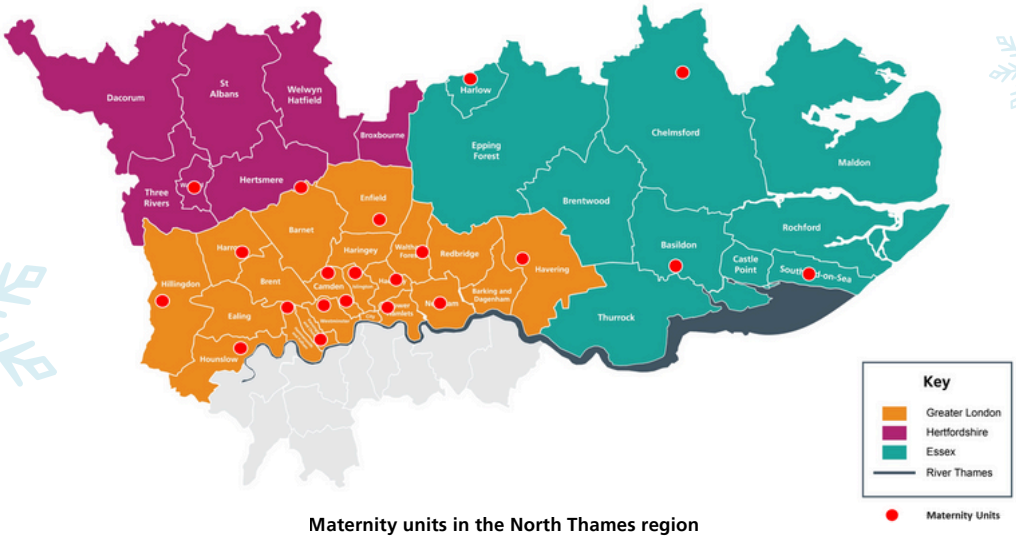
did you know?



about north thames genomic medicine service

who are we

North Thames Genomic Medicine Service (NT GMS) is one of the seven regional teams set up by the NHS Genomic Medicine Service. We work with all healthcare providers in our region, and with patients and the public to build trust in genomics and support the multi-professional workforce to use genomics safely, effectively, and efficiently, and respond to the NHS strategy for embedding genomics in the NHS.



Maternity units in the North Thames region

We want to keep this conversation going, please distribute to your colleagues and let us know your thoughts about this newsletter or if you want to contribute to a future issue. If you are interested in joining the network, please contact us: Yvonne Muwalo at yvonne.muwalo@gosh.nhs.uk or Tina Prendeville at tina.prendeville@nhs.net.

NT GMS Website:
Genomics in Nursing and Midwifery

Sign up to NT GMS newsletters

Follow us on LinkedIn and YouTube: @NorthThamesGenomics

norththamesgenomics.nhs.uk