



Transfusion 2024 introduces the Transfusion Training Hub



Blood and Transplant

Developed to support education, training and professional development of scientific and clinical laboratory staff

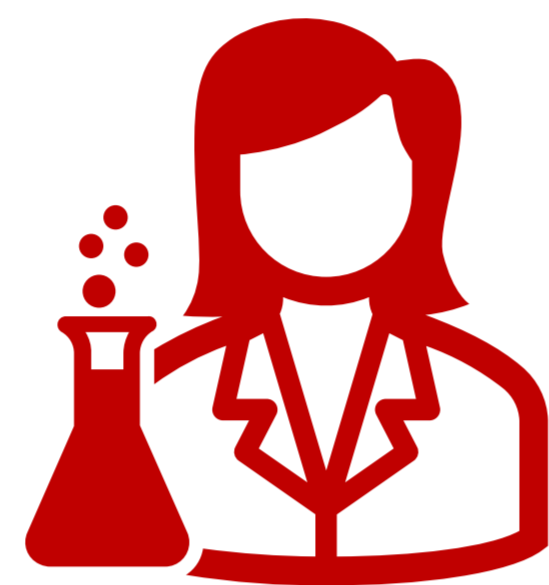
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Introduction

A key priority for NHS Blood and Transplant's 'Transfusion 2024' (T24) 5-year plan was to review the scientific and technical education and training of laboratory staff through a 'Increased Transfusion Laboratory Safety' initiative, overseen by an Education Working Group (EWG).

Subject matter experts from the EWG performed a review of the 2022 UKTLC survey, discovering that 71.6% of laboratories had stated that within the last 2 years it had become more difficult to train/mentor staff.



One of the survey recommendations was for **professional organisations to consider providing interactive tools and resources that could be used to support self-directed learning in the workplace.**

A joint clinical and scientific project was devised to produce a **'one stop shop' of valuable transfusion resources** via a webpage. The resources would be carefully selected to support and encourage professional development, helping to develop an appropriately skilled and knowledgeable workforce.

Next Steps



The National Blood Transfusion Committee (NBTC) agreed to host the webpage, named the **'Transfusion Training Hub'** on their already established website.

A full review of pre-existing educational material was then undertaken. A webpage development group was established with colleagues of both clinical and scientific expertise. Direct links to the resources were added to the webpage.

A variety of learning platforms were included to compliment a range of learning styles such as videos, websites, documentation, qualifications, courses, podcasts and webinars.

Features

The 'Hub' is separated into nine sections allowing the user to find their content swiftly. There is also a search function available.

Transfusion Training Hub sections

<p>Donor and Donation</p> <p>Have you ever wondered whether you could give blood, who is eligible and what is the criteria for donating? This section refers to donor recruitment, selection and safety as well as exploring the history of donation. Follow the journey of a blood donation from the donor to the patient.</p> <p>View</p>	<p>Blood Components and Products</p> <p>What is the difference between blood components and products? How are they produced and safely administered to patients? This section provides information regarding the manufacturing, testing, storage and clinical use of each donation.</p> <p>View</p>	<p>Inventory Management</p> <p>This section highlights best practice for managing blood stocks, reviewing data and monitoring trends to improve performance and reduce wastage, alongside the requirement for blood conservation and emergency planning for potential shortages.</p> <p>View</p>
<p>Pre-transfusion Essentials</p> <p>Before a patient receives a transfusion there are many things to consider: is the transfusion appropriate, has the patient consented, are there any suitable alternatives and do the benefits outweigh the risks? The inclusion and management of 'pre-transfusion essentials' provide assurance to the patient that we are delivering a continuous safe, quality service.</p> <p>View</p>	<p>Serology and Laboratory Techniques</p> <p>Discover the reasons and rationale behind a range of laboratory techniques, how they accurately deliver blood grouping results, aid in the investigation and identification of clinically significant antibodies, and ultimately ensure the compatibility of blood components to patients. This section provides the learner with information to acquire a deeper understanding of blood transfusion serology.</p> <p>View</p>	<p>Specialist Patients</p> <p>Patient safety is fundamental, and every transfusion administered must be delivered safely and appropriately. Transfusion support often includes the use of specialised blood components. Discover how 'special requirements' are identified, managed and documented for various patient cohorts to ensure they receive maximum benefit from their transfusion.</p> <p>View</p>
<p>Serious Adverse Reactions and Events (Incident Management)</p> <p>Although blood transfusions save lives and improve clinical outcomes for patients, there is always an associated element of risk involved. Haemovigilance is the systematic surveillance of adverse reactions and events related to transfusion where the aim is to learn from such occurrences to improve transfusion safety. Discover how to avoid or reduce the risks and how to manage a serious adverse reaction or event appropriately.</p> <p>View</p>	<p>Governance and Regulation</p> <p>Blood establishments (transfusion centres) and laboratories are overseen by several regulatory agencies and organisations to ensure the continual provision of a safe quality product as well as delivering the highest level of care to patients. Discover more about the requirements imposed upon these services and how they are put into everyday practice. Explore the standards that must be achieved to receive accreditation status as well as maintaining a fully competent workforce.</p> <p>View</p>	<p>Career Progression and Professional Development</p> <p>This section provides links to academic courses and qualifications as well as further supportive educational tools and training to help individuals develop further skills or obtain qualifications required to progress in their career.</p> <p>View</p>

To support each individual learner, a complexity rating has been established for qualifications, e-learning and courses, allowing each learner to progress at their own pace.

- Foundation level
- Intermediate
- In-depth
- Expert

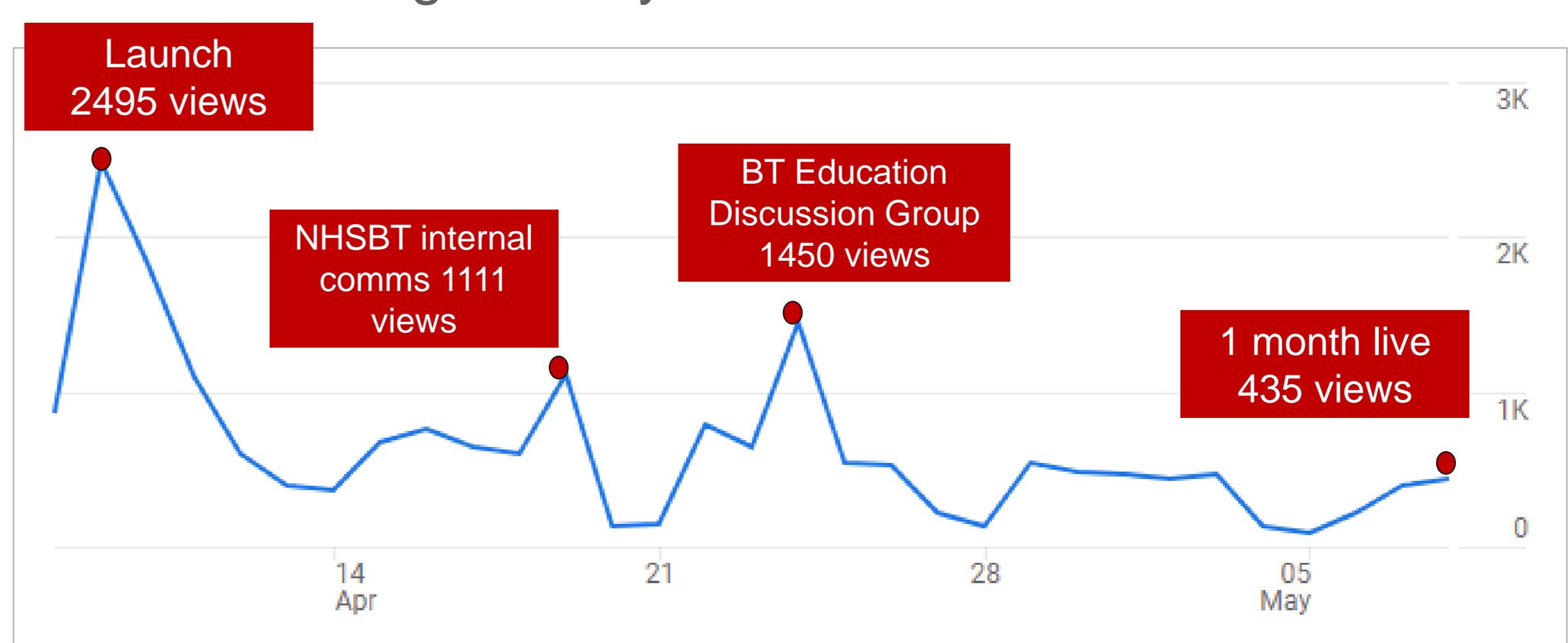


Results and 'go live'

Links were verified and organisations featured within the 'hub' were contacted for their permission to be included. Stakeholder engagement proved to be essential, feedback was positive and the benefits from this resource are highly anticipated. Go live was 8th April 2024. The launch was communicated internally and externally.

Google analytics

Activity has been monitored via Google analytics. Data shown from the first month (8th April-8th May 2024). The webpage has received many views and T24 has delivered its promise, however will it contribute towards a better educated workforce? Only time will tell through surveys and feedback.



Visit the Transfusion Training Hub



The screenshot shows the website's header with the National Blood Transfusion Committee logo, a search bar, and navigation links for Home, NBTC, RTC Regions, Education, Transfusion 2024, and Useful Links. The main content area includes a welcome message, a 'Levels for learning guide' with four levels (Foundation, Intermediate, In-depth, Expert), a disclaimer, and contact information.

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