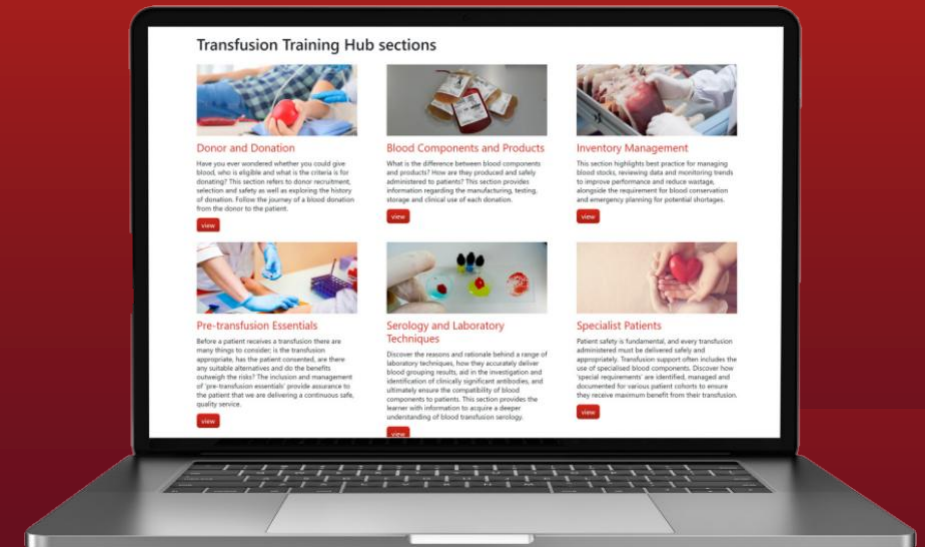


## TxED Talk

# One year of the Transfusion Training Hub – *the one stop shop for transfusion education resources*

Jill Caulfield

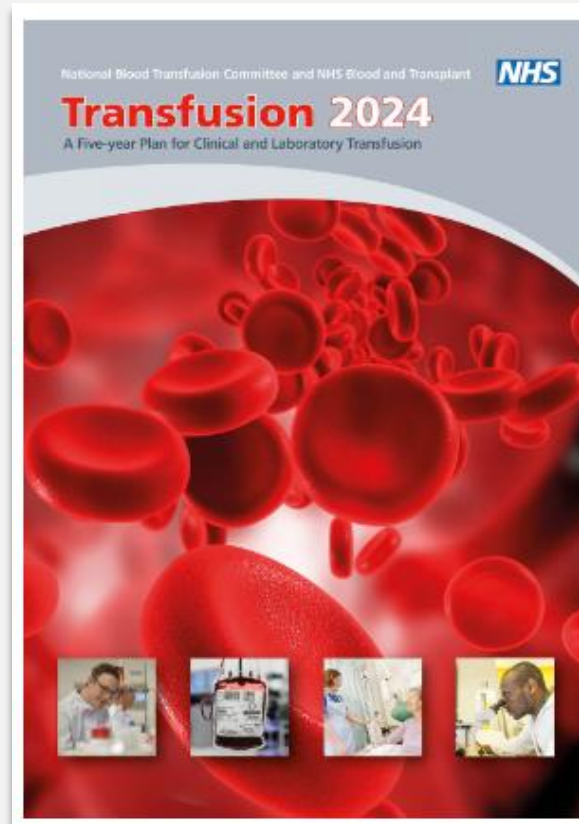
June 2025



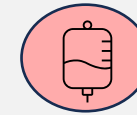


## Where did the idea come from?

- In 2019, NHS Blood and Transplant and NBTC produced a 5-year plan looking at clinical and laboratory transfusion.
- Transfusion 2024 (T24) was created.
- 4 main areas/challenges identified.
- COVID delay for the projects.



Stronger Patient Blood Management Collaboration



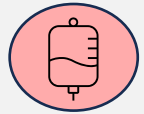
Increased Transfusion Laboratory Safety



Enhanced Information Technology



Further Research and Innovation

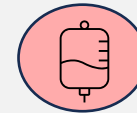


## Increased Transfusion Laboratory Safety

- Onboarding of a subject matter expert to oversee various projects.
- My focus - Increased Transfusion Laboratory Safety.



Stronger Patient Blood Management Collaboration



Increased Transfusion Laboratory Safety



Enhanced Information Technology



Further Research and Innovation



# The History



Blood and Transplant



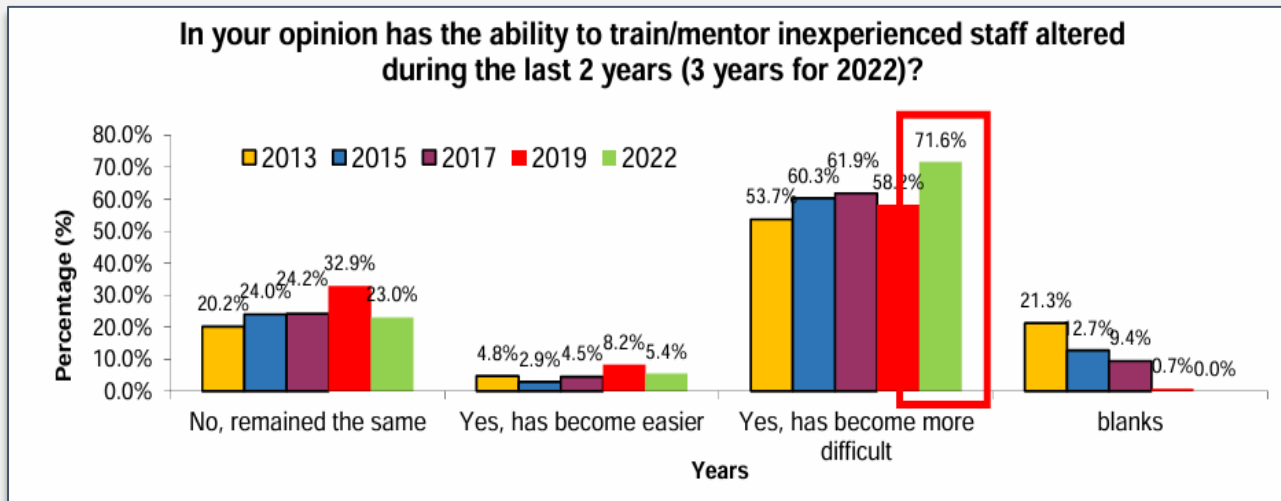
## What did it show?



The UK Transfusion Laboratory Collaborative (UKTLC) Survey was carried out in Dec 2022.

There were 45 questions relating to various topics including staffing, IT, just culture and qualifications, knowledge and skills.

### Key findings for knowledge and skills:



- 71.6% of laboratories had stated that within the last 2 years it had become more difficult to train/mentor staff.

- Most noted no specific training and development budget for transfusion and challenges with releasing staff for external educational events, both face to face and virtual.

- Respondents were keen to have more access to technology to aid self-directed learning for staff in training.

- **Recommendation: UKTLC in conjunction with other professional organisations should consider providing interactive tools and resources that could be used to support self-directed learning in the workplace.**



# The Strategy

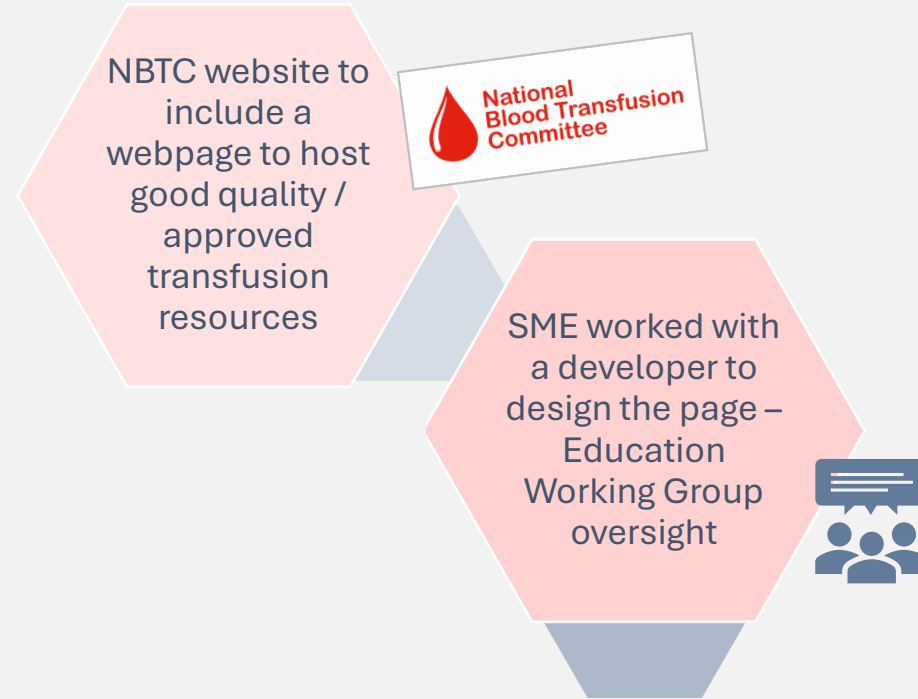
NBTC website to include a **webpage** to host good quality / approved transfusion resources (one stop shop)



**Blood and Transplant**

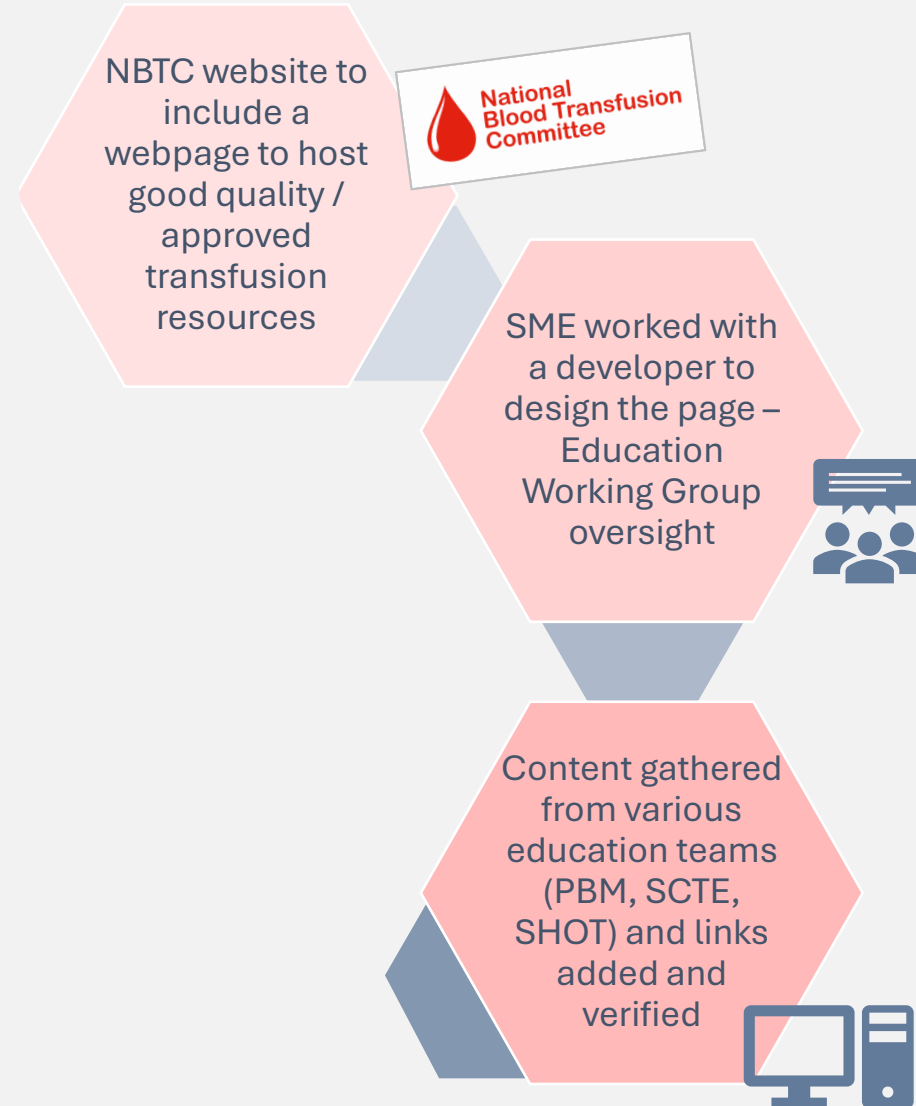


# The Strategy





# The Strategy

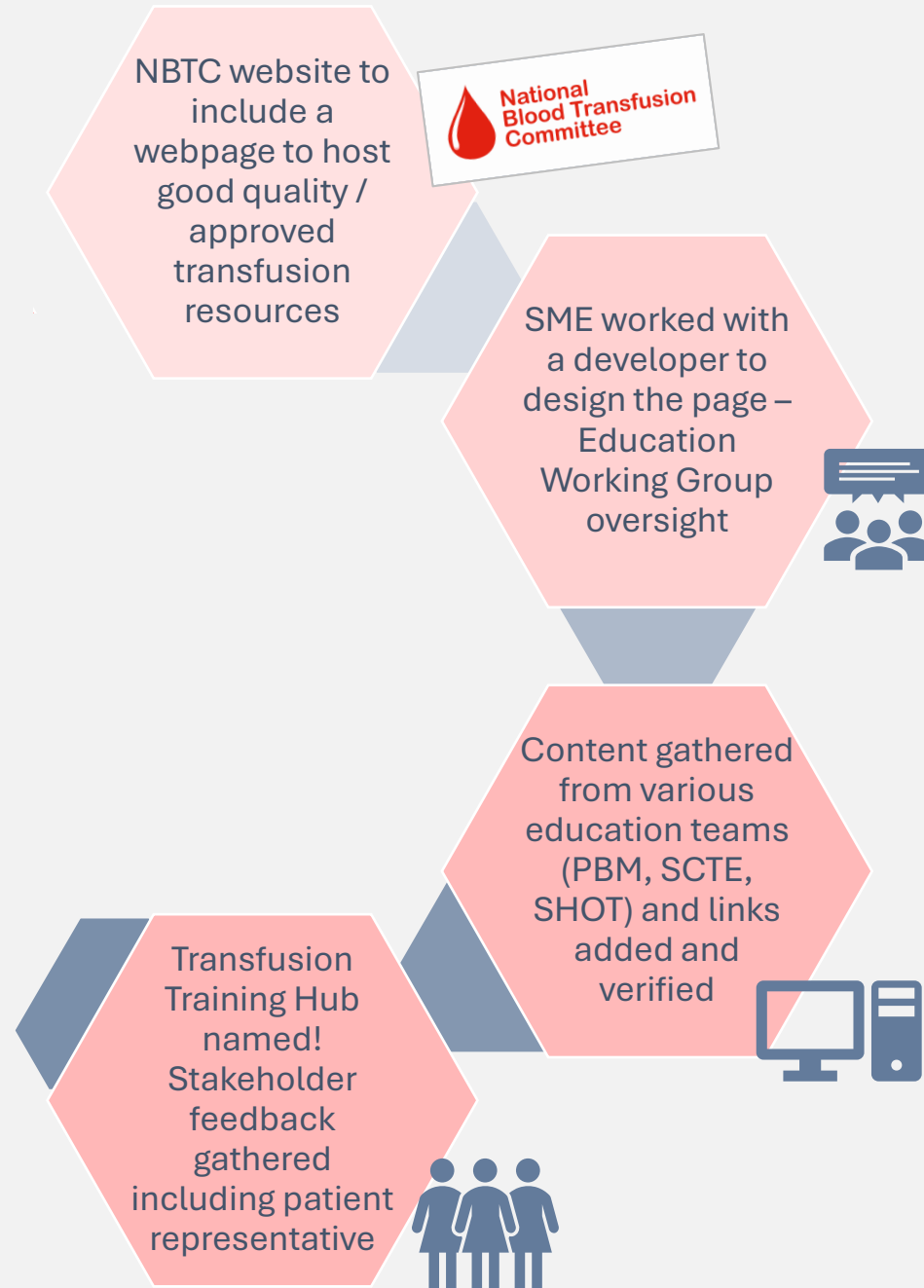




# The Strategy



**Blood and Transplant**



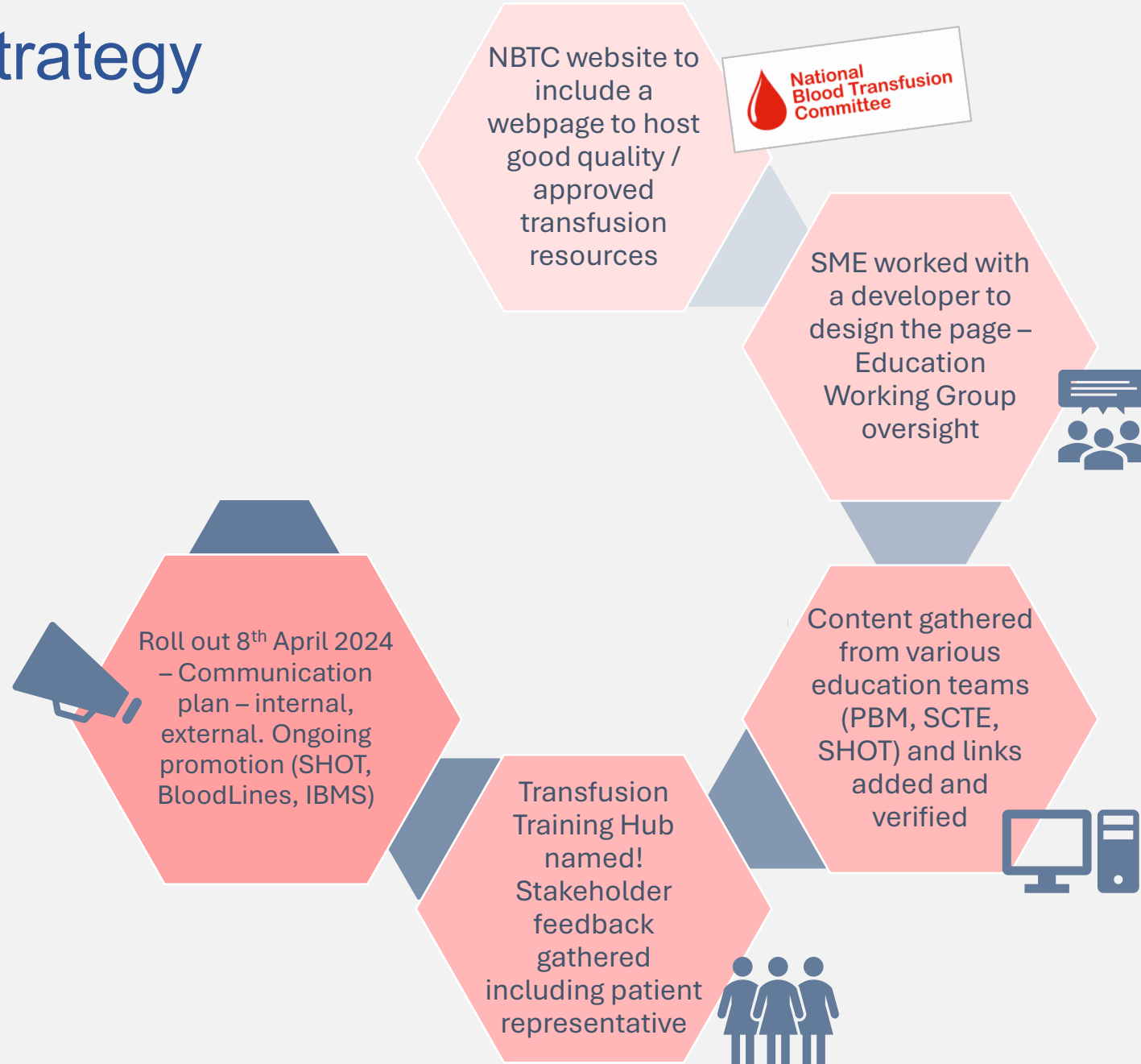




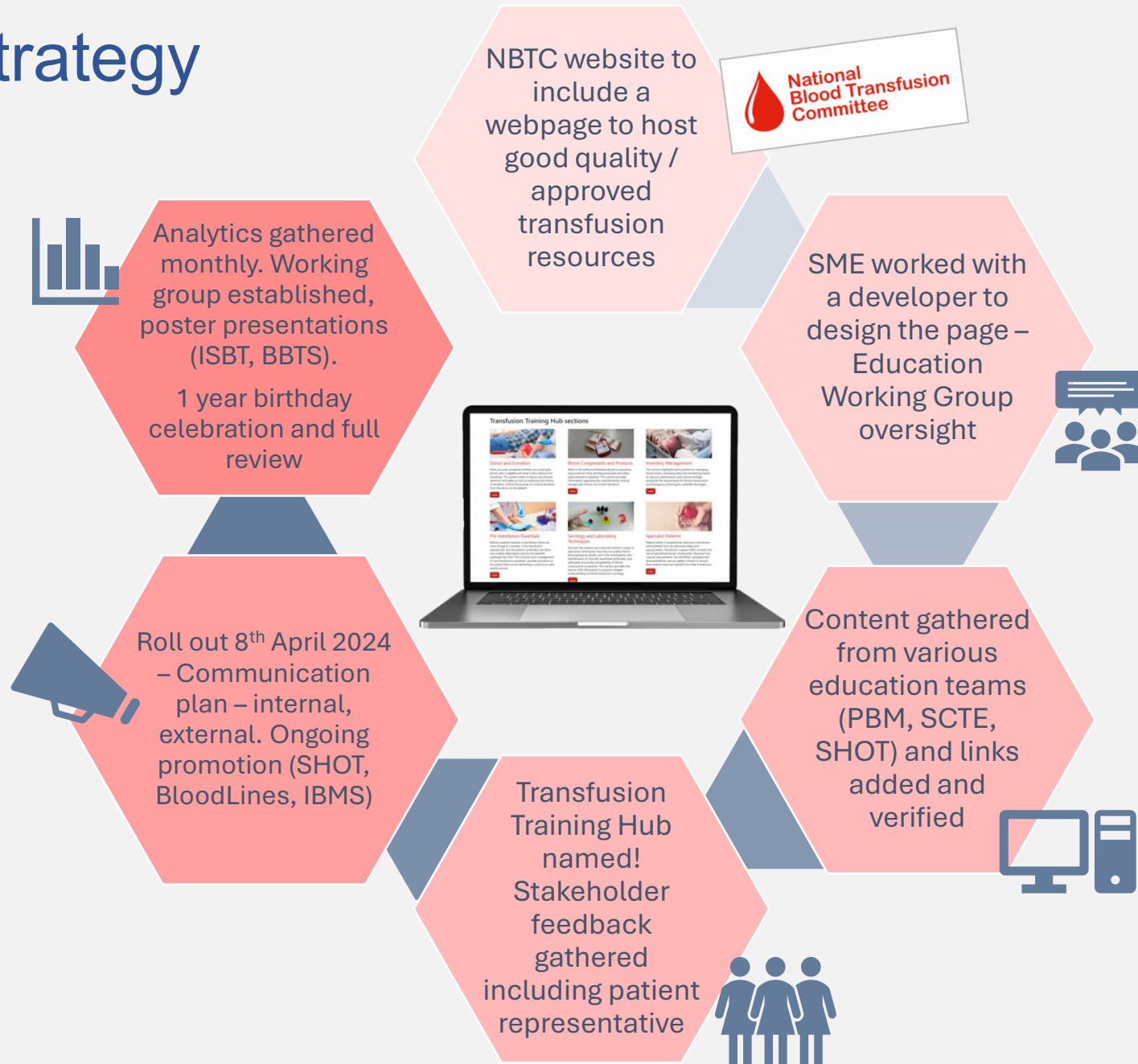
# The Strategy



**Blood and Transplant**



# The Strategy





# The Development – Our URS!



Blood and Transplant

- ❑ Easy to navigate (non-interactive/ **direct link** – fewest ‘clicks’)
- ❑ Good, useful, current resources
- ❑ Various modes of delivery to compliment different learning styles and time available to users.
- ❑ Signpost qualifications and courses but rate them in order of complexity
- ❑ Inclusive! – Scientists, clinicians, practitioners, donors, patients



Very easy to navigate, search function and broken down into topics.



Resources have been reviewed and approved by SME's and clinicians



Websites, documentation, podcasts, videos, online education etc...



Learning material rated level 1-4



Various topics applicable to all



# The Launch



Blood and Transplant



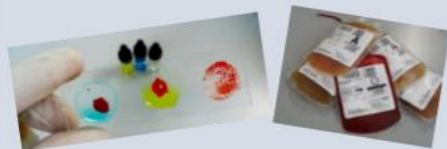
## Transfusion 2024 welcomes the new Transfusion Training Hub

### What is the Transfusion Training Hub?

As part of the **Scientific Education and Training Strategic Plan for Transfusion 2024** a webpage has been created to host various transfusion education resources, freely accessible to all. The '**Transfusion Training Hub**', hosted on the NBTC website has been developed to support education and training for all healthcare professionals working within blood transfusion and for anyone wishing to increase their transfusion knowledge.

#### Sections include:

- Donors and donation
- Blood components and products
- Inventory management
- Pre-transfusion essentials
- Serology and laboratory techniques
- Specialist patient groups
- Incident management
- Governance and regulation
- Career progression and professional development



Visit: [Transfusion Training Hub | National Blood Transfusion Committee](https://nationalbloodtransfusion.co.uk/transfusion-training-hub) or scan QR code



### Discover your preferred resource

A '**one stop shop**' of various training and education resources carefully selected and displayed as a **link** within your chosen section.

Discover courses, qualifications, documentation, e-learning, podcasts, websites, videos and more!



### Content includes

- NHSBT courses
- SHOT resources
- IBMS accredited undergraduate degree courses
- Postgraduate/further qualifications (eg: BBTS, MSc, HSD)
- Guidance and regulation (eg: BSH, MHRA, SaBTO, UKAS)
- Educational podcasts
- E-learning platforms
- Educational YouTube videos



### Learn at a comfortable pace

**Qualifications, courses and e-learning** resources have been categorised into 4 levels depending on the complexity of the content.

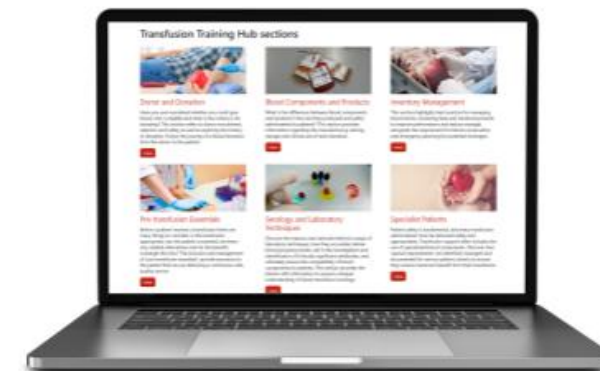
Beginning at **foundation** level then moving onto **intermediate**, followed by **in-depth** and finally **expert**, learners can learn at their own pace in their own time! Each stage is represented by a light bulb located next to the link.



Blood and Transplant

# Transfusion Training Hub

The **one stop shop** for transfusion education resources




Learn at your own pace  
in your own time





Discover links to valuable transfusion resources  
Visit [nationalbloodtransfusion.co.uk/transfusion-training-hub](https://nationalbloodtransfusion.co.uk/transfusion-training-hub)  
or scan the QR code











[Home](#)
[NBTC](#)
[RTC Regions](#)
[Education](#)
[Transfusion 2024](#)
[Useful Links](#)

[Home](#) / [Transfusion Training Hub](#)

## Transfusion Training Hub

Welcome to the Transfusion Training Hub specifically created to support education and training for all healthcare professionals working within blood transfusion and for anyone wishing to increase their transfusion knowledge. The Hub provides links to existing resources all in one handy place. Resources featured have been selected to enhance an individual's learning experience based on their current level of knowledge and desired topic as well as complementing ongoing continuous professional development. Various transfusion science/medicine related courses and qualifications have been signposted as well as links to useful websites, podcasts, information and guidance.




To ensure you find the most appropriate level of training and education we have provided a guide as to the degree of complexity for all courses, qualifications and e-learning modules (see descriptions of each level from foundation to expert).


A thank you to the NBTC for supporting and hosting this webpage, created by NHSBT as part of Transfusion 2024.

**Disclaimer:** Content and links provided within the training hub are intended to support transfusion science/medicine education and training, however some of the courses and information may change or be updated overtime. Some links will direct the user to a main site where they must search for the intended resource title, this is to ensure the most up to date version is located. Access to some of the material may be subject to an account set up and may incur a fee. All links were accurate at the time of release but will be reviewed annually. Training and competence must always be assessed at a local level and in conjunction with local policies and procedures. Content listed within the hub is not exhaustive, and NHSBT acknowledges that other resources are available.


### Levels for learning guide




**Foundation Level:** This level delivers introductory content for individuals wishing to build a basic underpinning knowledge of transfusion science as well as providing a baseline for further development. It may be suitable for healthcare professionals wishing to begin a career within Transfusion or a newly qualified Biomedical Scientist for example.



**Intermediate Level:** Next step up from foundation level, intermediate level explores each topic in more detail. This level may be suitable for healthcare professionals already working within Transfusion who require greater knowledge of a subject applicable to their role and to maintain competence. It may also be suitable for individuals wishing to progress and/or obtain further qualifications.



**In-depth Level:** More advanced than intermediate level, the learner will have a comprehensive understanding of transfusion science. Only one level away from the 'expert level' the content referred to will be more challenging and detailed, suitable for any healthcare professional wishing to solidify their knowledge and progress in their career.



**Expert Level:** Designed for very experienced healthcare professionals working within transfusion, this level delivers highly detailed and complex transfusion science content with an aim to support individuals progressing professionally within their career and for those wishing to obtain a higher level of expertise.

- Located on NBTC website
- Learning guide on front page



Foundation



Intermediate



In-depth



Expert

- Divided into 9 topics (after much discussion)

# Transfusion Training Hub Sections



Donor and Donation



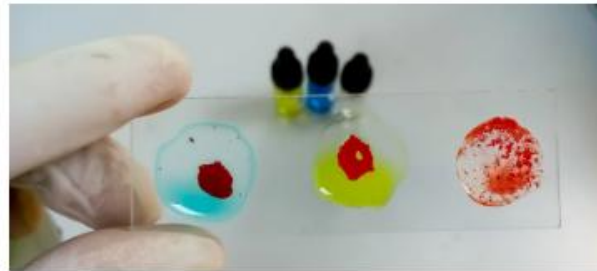
Blood Components and Products



Inventory Management



Pre-transfusion Essentials



Serology and Laboratory Techniques



Specialist Patients



Serious Adverse Reactions and Events (Incident Management)



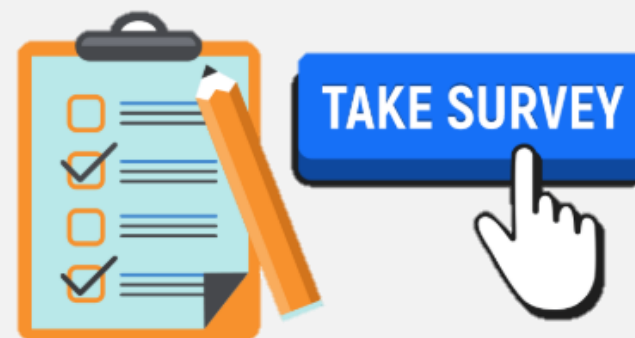
Governance and Regulation



Career Progression and Professional Development

## How do we measure success?

MEASURE  
SUCCESS







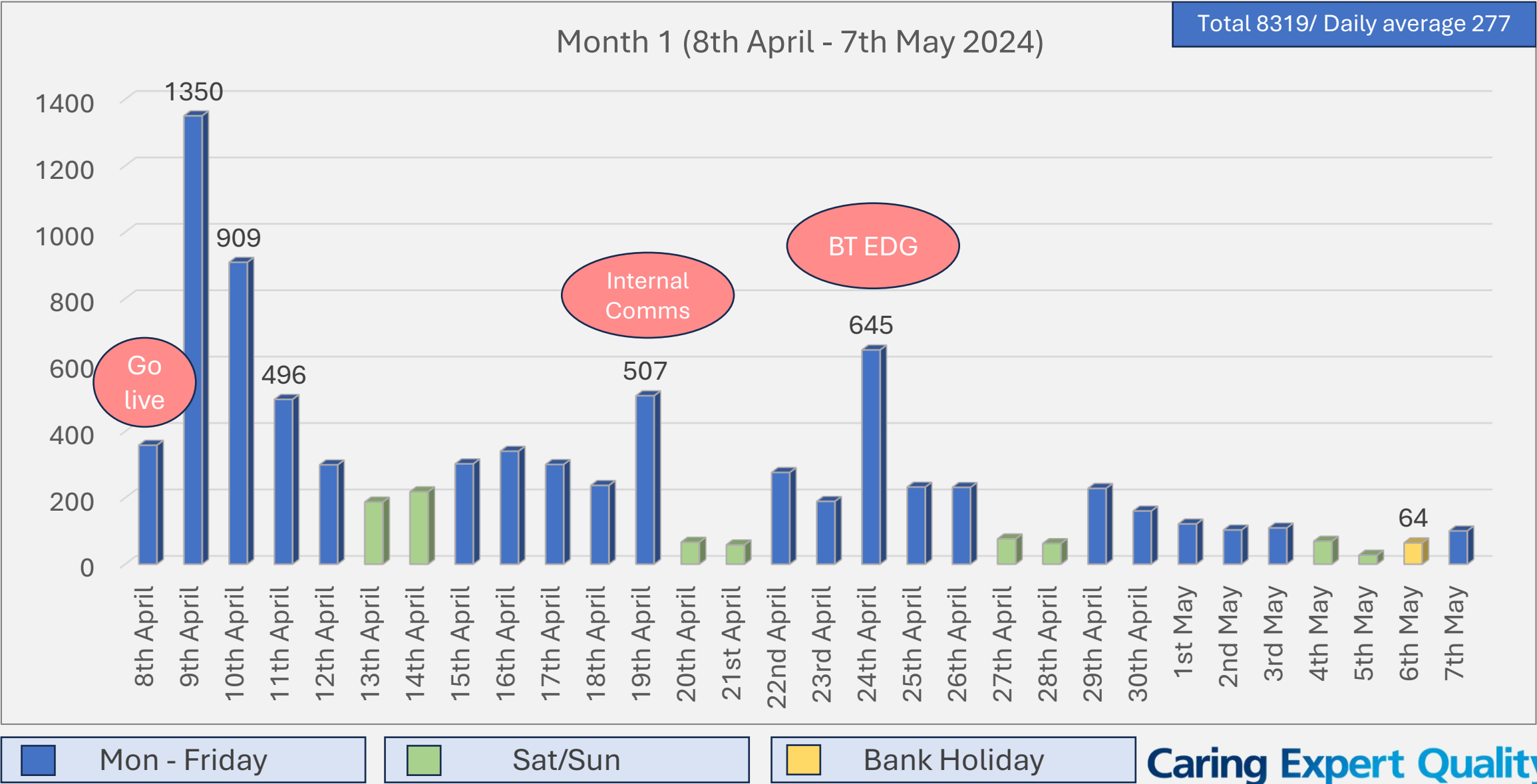
Monthly views for Transfusion Training Hub – Month 1



Blood and Transplant

Total 8319/ Daily average 277

Month 1 (8th April - 7th May 2024)



Caring Expert Quality





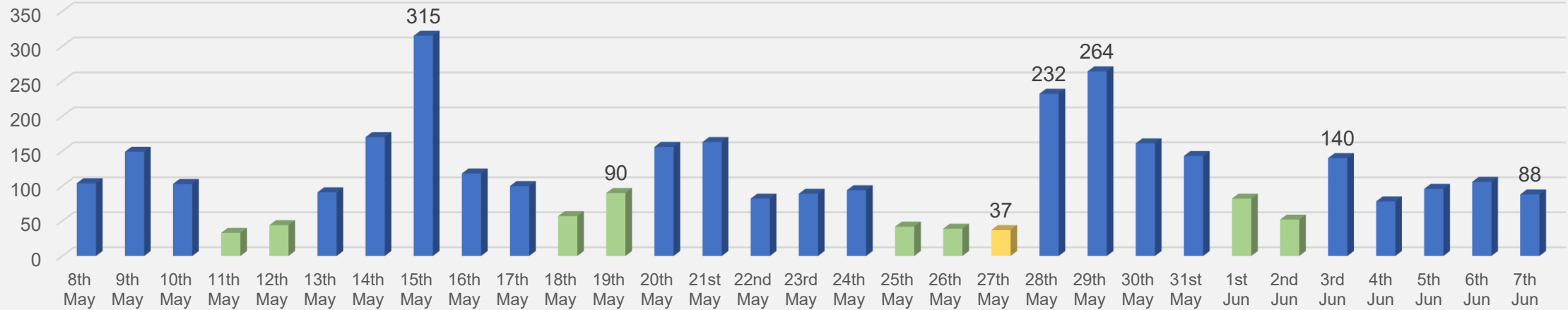
## Monthly views for Transfusion Training Hub



**Blood and Transplant**

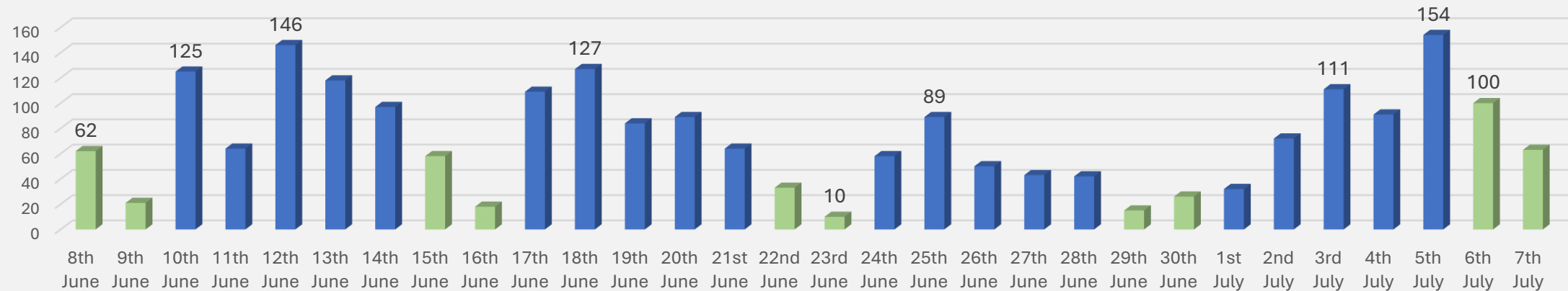
Month 2 (8th May – 7th June 2024)

Total 3518/Daily average 113



Month 3 (8th June - 7th July 2024)

Total 2171/Daily average 72



Mon - Friday



Sat/Sun

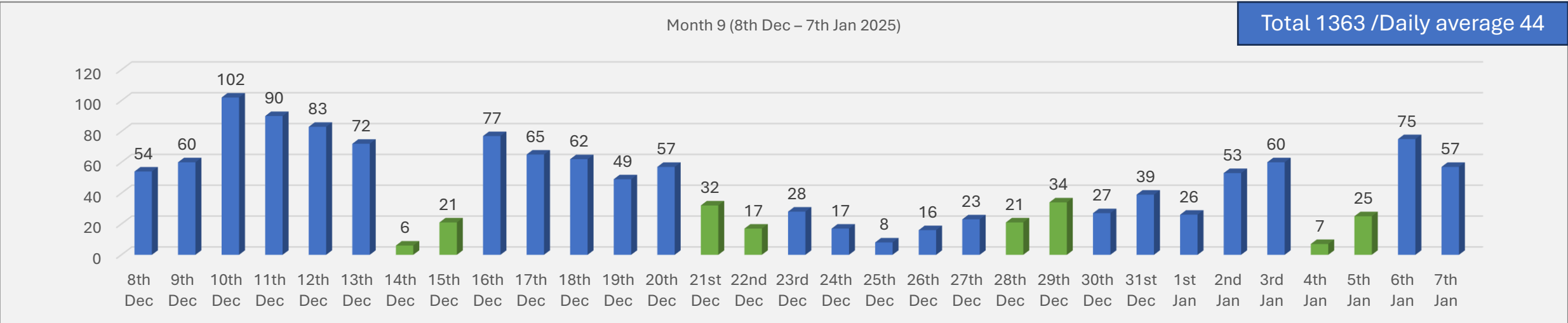
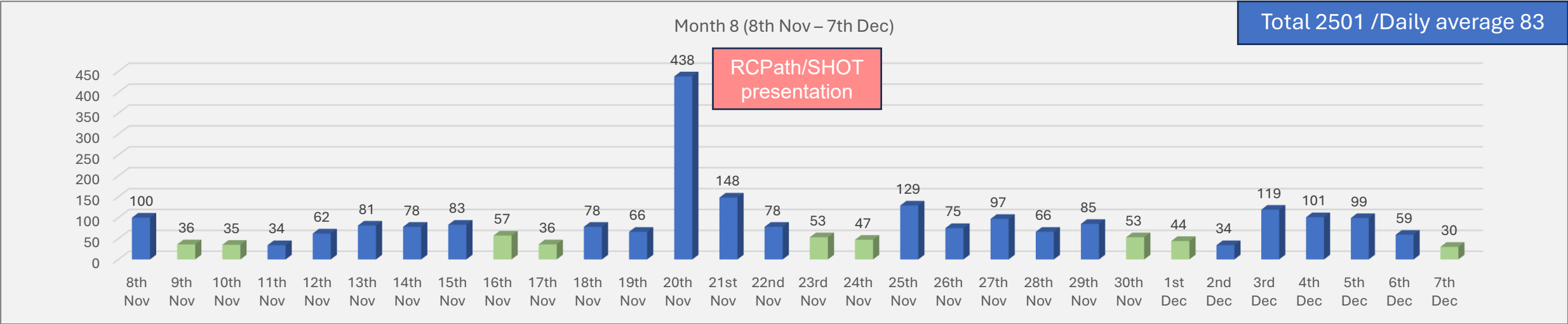


Bank Holiday

**Caring Expert Quality**



# Monthly views for Transfusion Training Hub



Mon - Friday

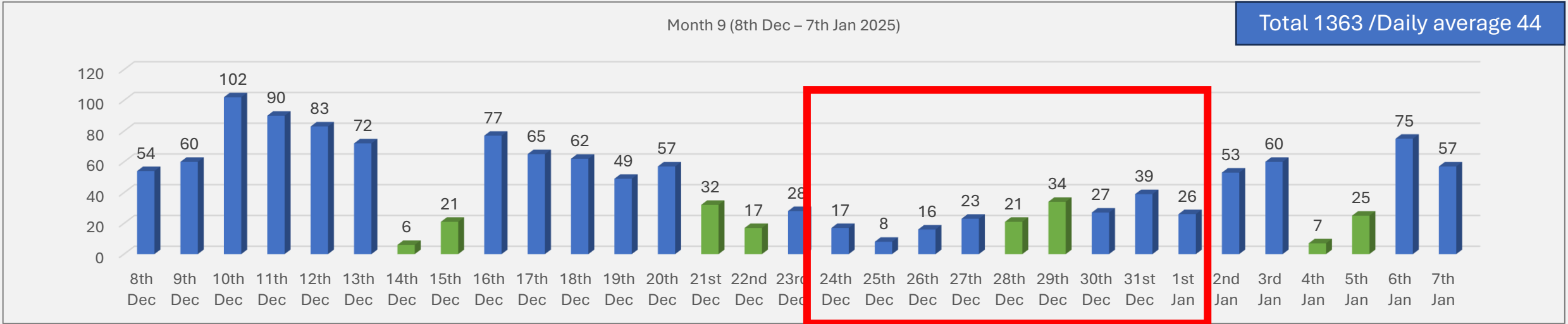
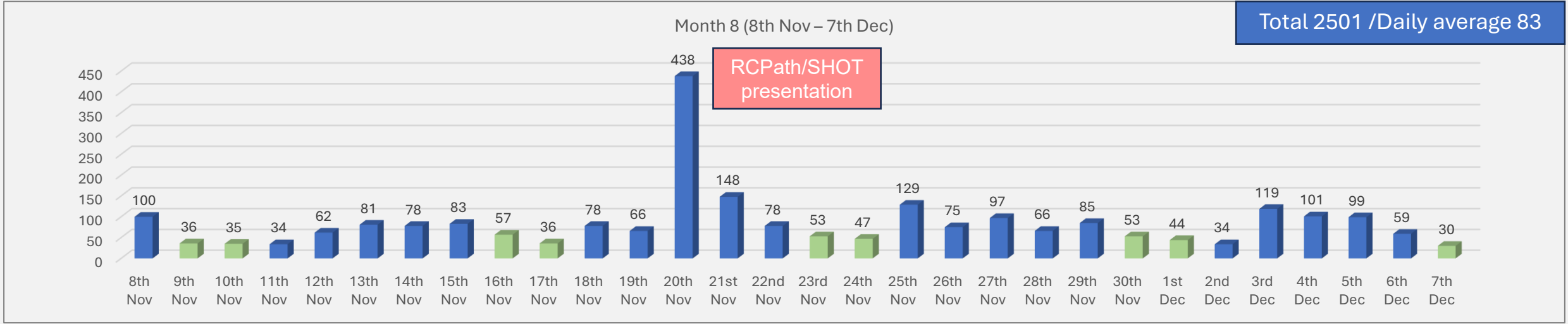
Sat/Sun

Bank Holiday

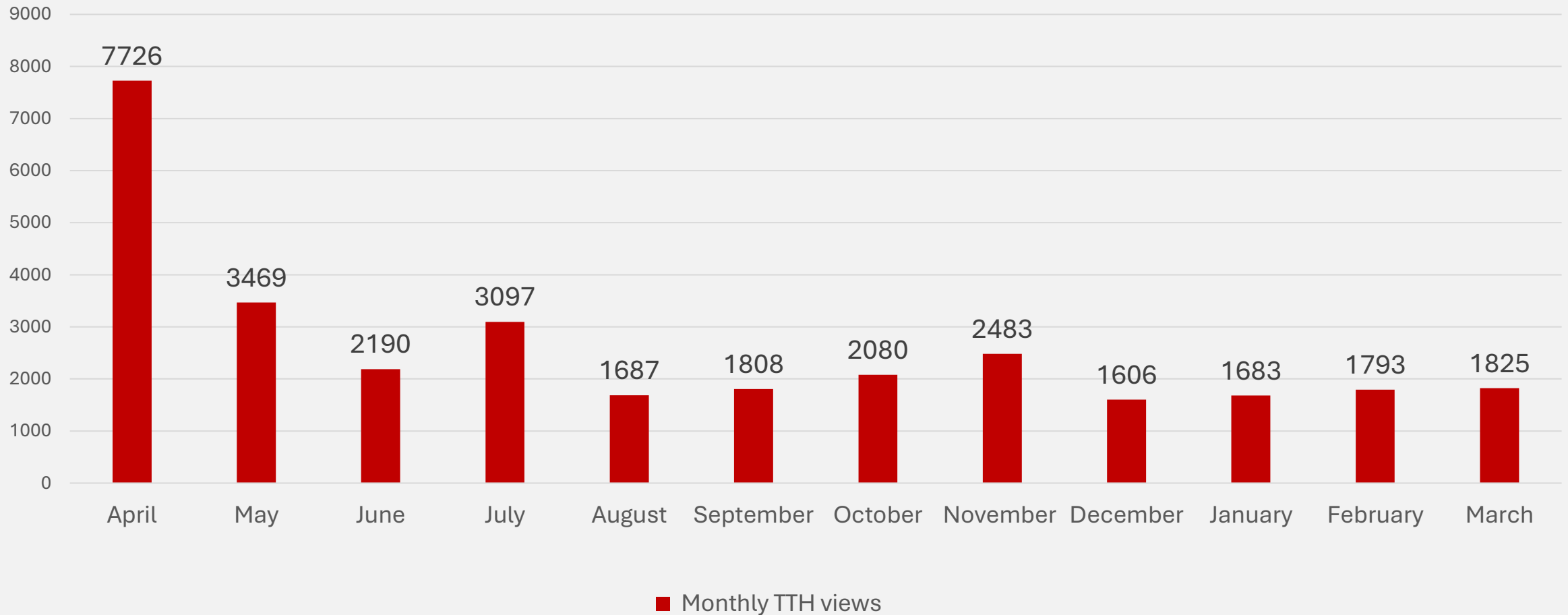
Caring Expert Quality



# Monthly views for Transfusion Training Hub

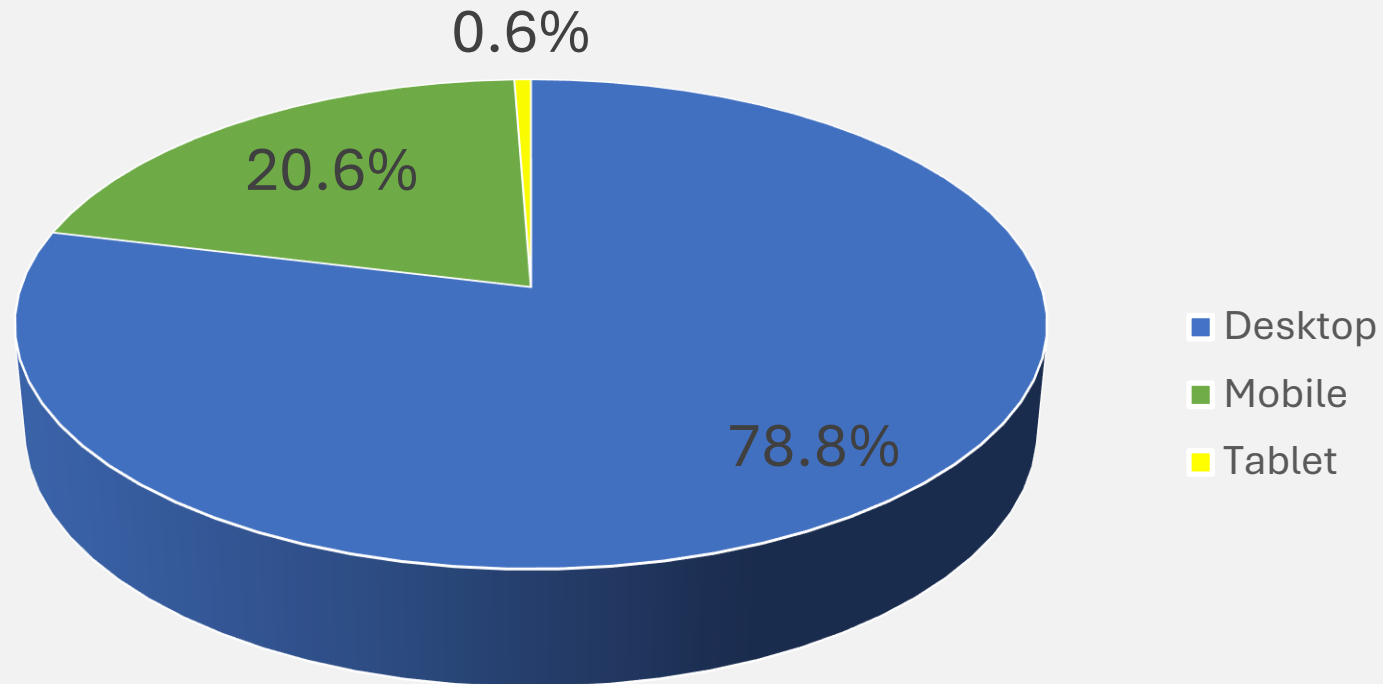


1st year analytics – total TTH views 31,447 (21% of NBTC website)

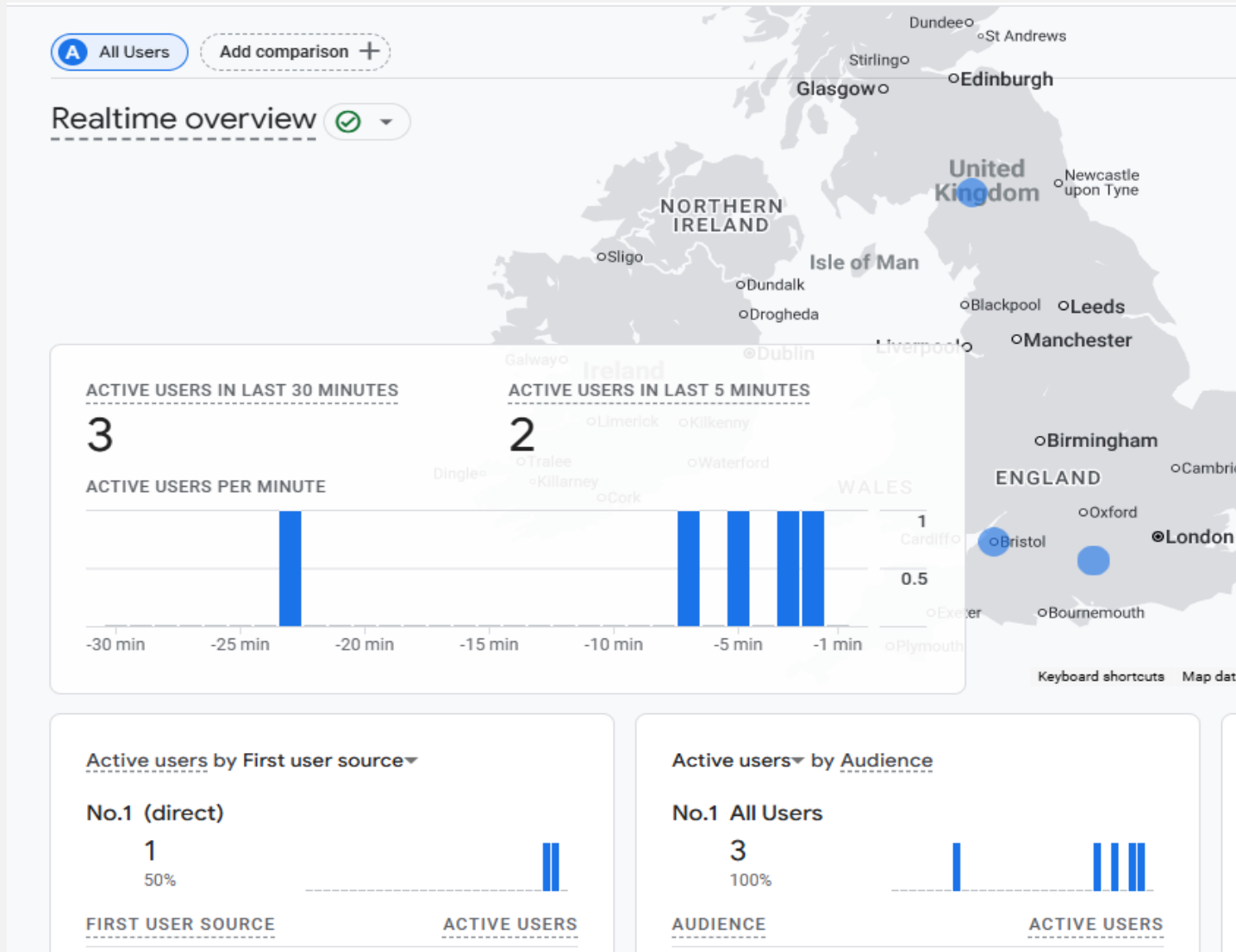




How are people accessing the Transfusion Training Hub?



Caring Expert Quality



Analytics allow real time overview of the Hub's activity and where they are situated in the world

195 countries in the world

How far have we reached?





Analytics - Active users  
(Apr 8<sup>th</sup> 2024 – April 7<sup>th</sup> 2025)



We've gone global!

163 out of 195 countries  
have actively used the  
Training hub in its first  
year!

That's **84%** of the world!!







# Analytics



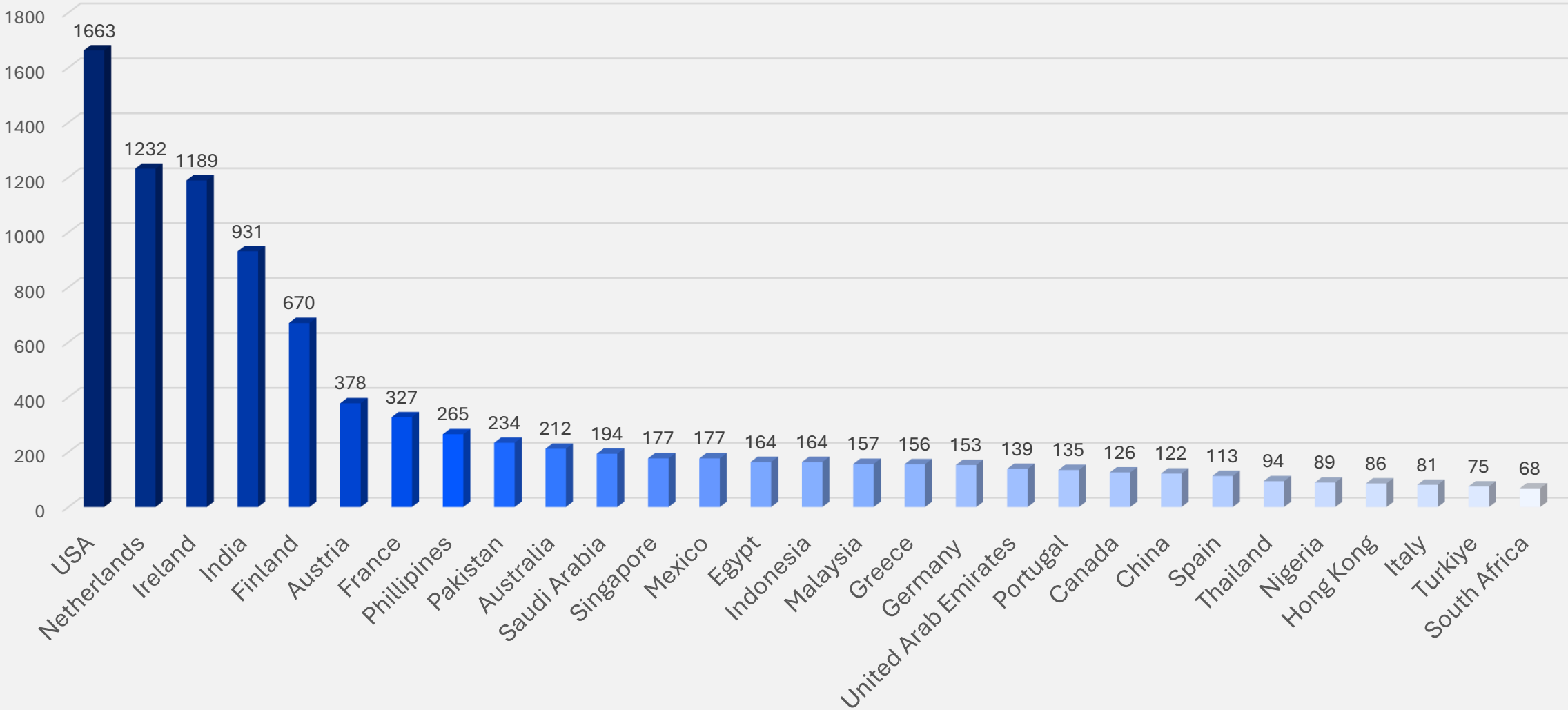
Active users▼ by Country



COUNTRY	ACTIVE USERS
United Kingdom	30K
United States	1.7K
Netherlands	1.2K
Ireland	1.2K
India	931
Finland	670
Austria	378



# Global activity top 30 - after UK (30K)





# Other countries.....



## Blood and Transplant

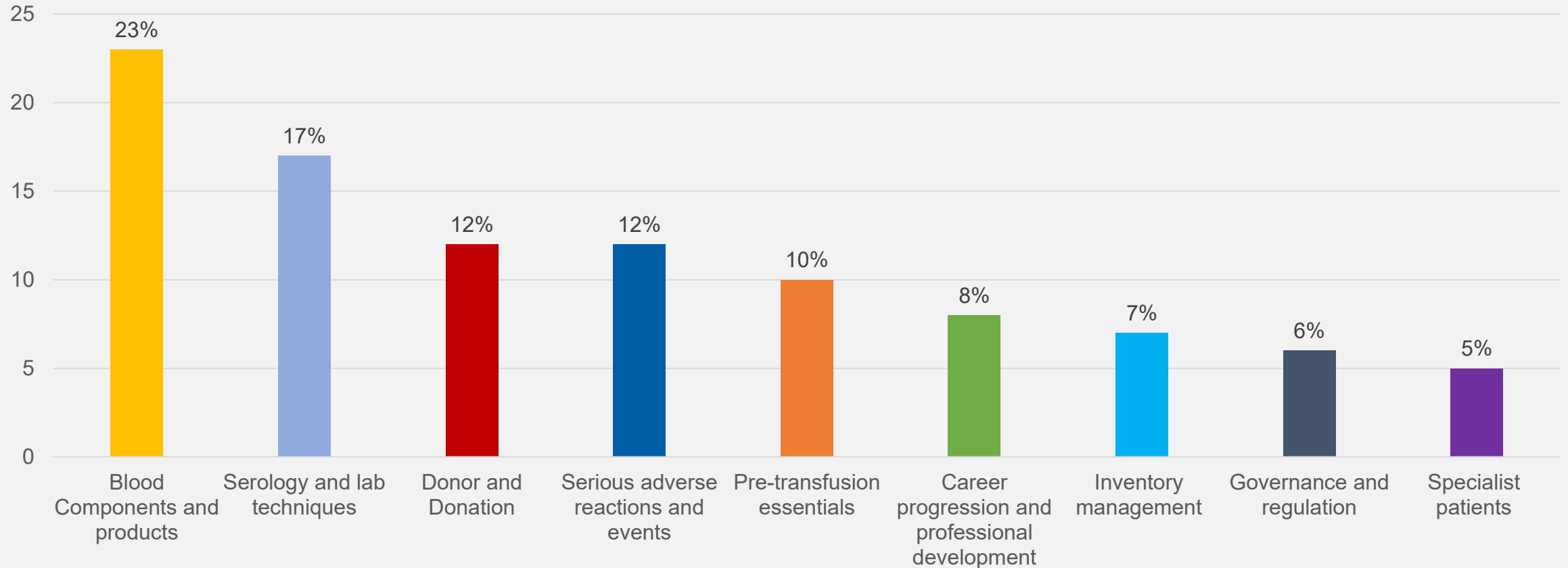
• Sri Lanka	• Iraq	• Ukraine	• Denmark	• Morocco	• Namibia
• Sweden	• Ghana	• Yemen	• Gibraltar	• Albania	• Seychelles
• Ethiopia	• Jordan	• Lithuania	• Maldives	• Botswana	• Syria
• Brazil	• Nepal	• Oman	• Somalia	• Cambodia	• Afghanistan
• Colombia	• Poland	• Croatia	• Bulgaria	• Costa Rica	• Bolivia
• Taiwan	• Israel	• Guernsey	• Jamaica	• Cyprus	• Dominican Republic
• Japan	• New Zealand	• Tanzania	• Jersey	• Iceland	• Estonia
• South Korea	• Qatar	• Lebanon	• Slovenia	• Macao	• Gambia
• Vietnam	• Chile	• Algeria	• Sudan	• Mongolia	• Kazakhstan
• Bangladesh	• Serbia	• Georgia	• Armenia	• Trinidad & Tobago	• Micronesia
• Romania	• Argentina	• Malta	• Bosnia + Herzegovina	• Zambia	• Panama
• Belgium	• Kuwait	• Libya	• Bahrain	• Belarus	• Papua New Guinea
• Iran	• Peru	• Russia	• Czechia	• Slovakia	• Sierra Leone
• North Macedonia	• Hungary	• Ecuador	• Mauritius	• Guatemala	• Tunisia
• Isle of Man	• Myanmar (Burma)	• Puerto Rico	• Palestine	• Honduras	• Venezuela
• Kenya	• Switzerland	• Zimbabwe	• Rwanda	• Kosovo	• Guyana
• Norway	• Uganda	• Cameroon	• Brunei	• Latvia	• Haiti
• Bahamas	• Bhutan	• Cayman Islands	• Malawi	• Fiji	• Kyrgyzstan
			• Montenegro	• Guadeloupe	• St.Kitts & Nevis
					• Moldova
					• Senegal
					• Uruguay
					• Liberia
					• American Samoa
					• Andorra
					• Barbados
					• Cuba
					• El Salvador
					• Eswatini
					• Laos
					• Mozambique
					• Nicaragua
					• Solomon Islands
					• South Sudan
					• Uzbekistan
					• Angola
					• Luxembourg

## Topic breakdown for 1 year



**Blood and Transplant**

Topics viewed in order of popularity (%) 1 year analytics



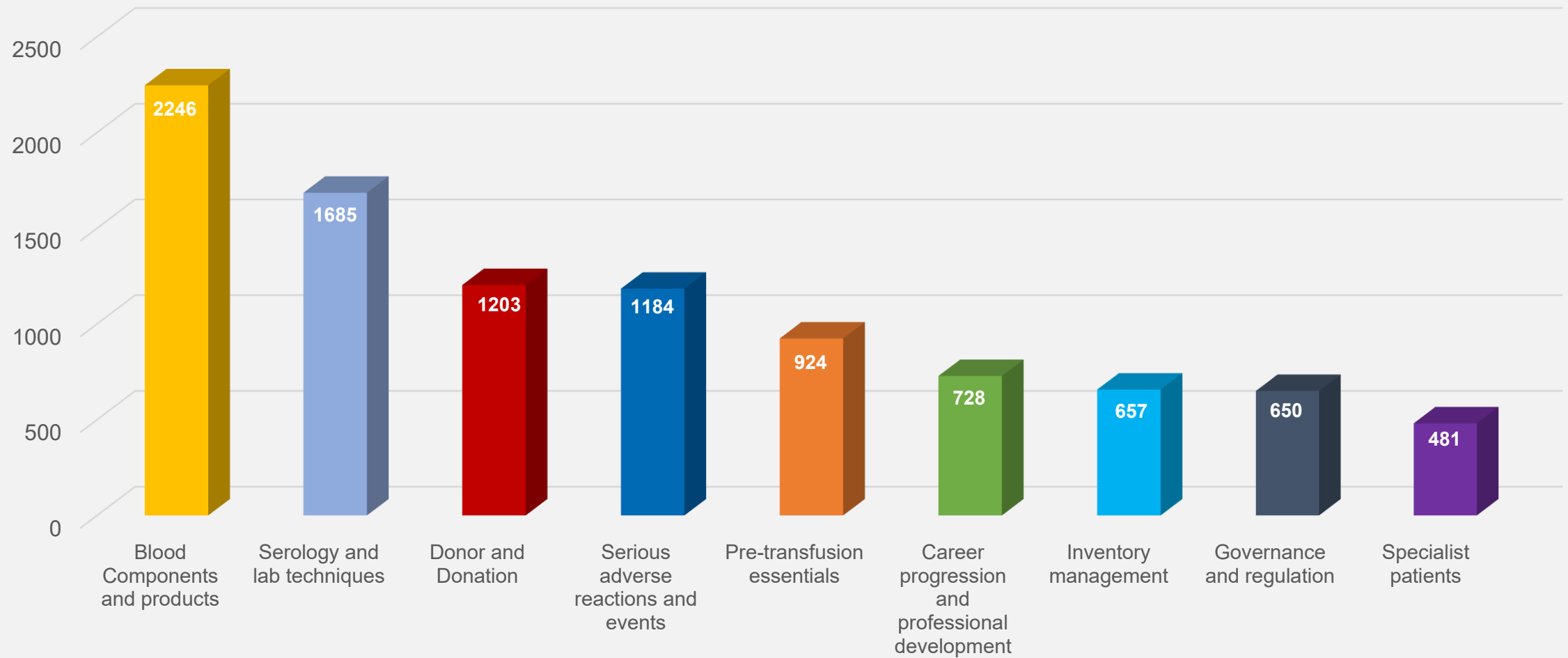
**Caring Expert Quality**

## Topic breakdown for 1 year



**Blood and Transplant**

Active users per topic - 1<sup>st</sup> year (April 8<sup>th</sup> 2024 – April 7<sup>th</sup> 2025)



**Caring Expert Quality**



Links checked annually



Add content / keep current



Check inbox queries



Keep promoting

# What's next?

- Customer satisfaction survey
- Keep monitoring success – google analytics
- ? More interactive
- ? Expansion to a website – bespoke / role specific / CPD
- Next UKTLC survey - ? Any improvements





# Huge thank you!



Blood and Transplant



**UK Transfusion  
Laboratory  
Collaborative**

**SHOT**

**Serious Hazards  
of Transfusion**





*Thank you for listening*

*Any questions?*



**Blood and Transplant**

**Caring Expert Quality**



**Blood and Transplant**

**Caring Expert Quality**



**Blood and Transplant**

**Caring Expert Quality**



**Blood and Transplant**





**Blood and Transplant**



**Blood and Transplant**



**Yes I donate**  
ORGAN DONATION



**Blood and Transplant**





**Blood and Transplant**



**Save a life  
Give plasma**



**Blood and Transplant**