

Review of Transfusion eLearning: a United Kingdom and Ireland 2023 survey

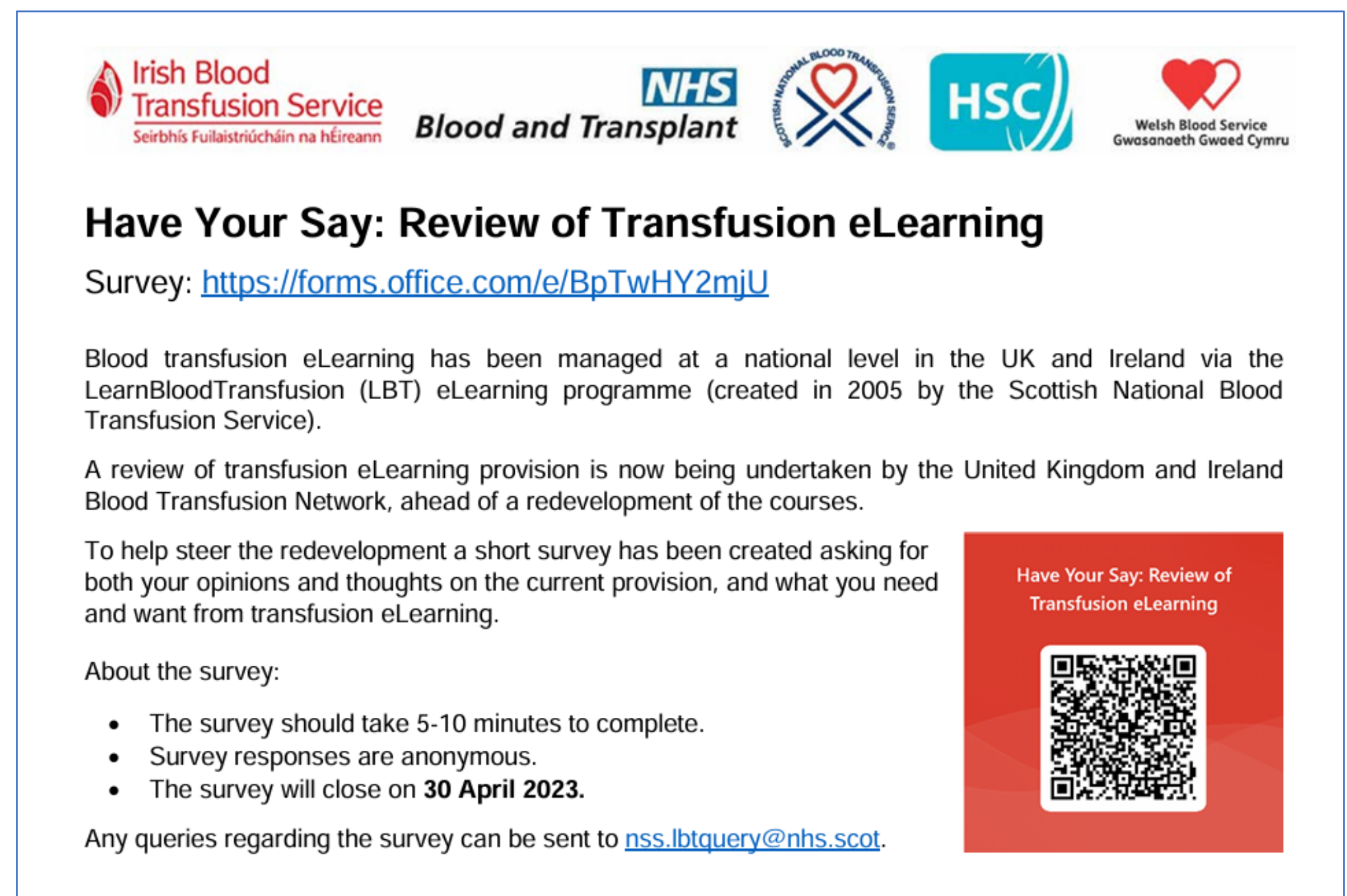
United Kingdom and Ireland Blood Transfusion Network eLearning editorial board

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Introduction

Since 2005, the LearnBloodTransfusion (LBT) suite of eLearning courses were utilised by the four United Kingdom (UK) countries and the Republic of Ireland (RoI) as part of the transfusion training programme for healthcare staff and students.

In 2022 countries started to migrate from LBT to other transfusion eLearning solutions prompting a consideration of the need for a review of end-user eLearning requirements; this was duly undertaken by the eLearning editorial board of the the UK and Ireland Blood Transfusion Network (UK&IBTN). There was a consensus that it was desirable to continue with the use of a standardised eLearning content across all the countries, so it was decided through stakeholder engagement to seek to better understand the needs and wants of both learners and trainers with regards to transfusion eLearning and training, which would then inform a programme of redevelopment of eLearning content.



Method

The eLearning editorial board elected to create a survey to achieve this, which was entitled 'Have Your Say: Review of Transfusion eLearning'.

It was composed up of 18 questions and was designed to capture details both about the respondents' roles and more significantly their experience of, and views on, transfusion eLearning. Many of the questions in the survey had defined options to choose from, however some were intentionally made as 'free text' responses to allow respondents to express their opinions more descriptively in order to keep any bias or influence from the creators/analysers of the survey to a minimum; the survey was anonymised for the same reasons.

To try and optimise response rate, the survey was developed in Microsoft (MS) forms which would be completed online. A flyer promoting the survey was then produced, which incorporated both the https web-address of the MS form and a QR code link to it (to maximise accessibility).

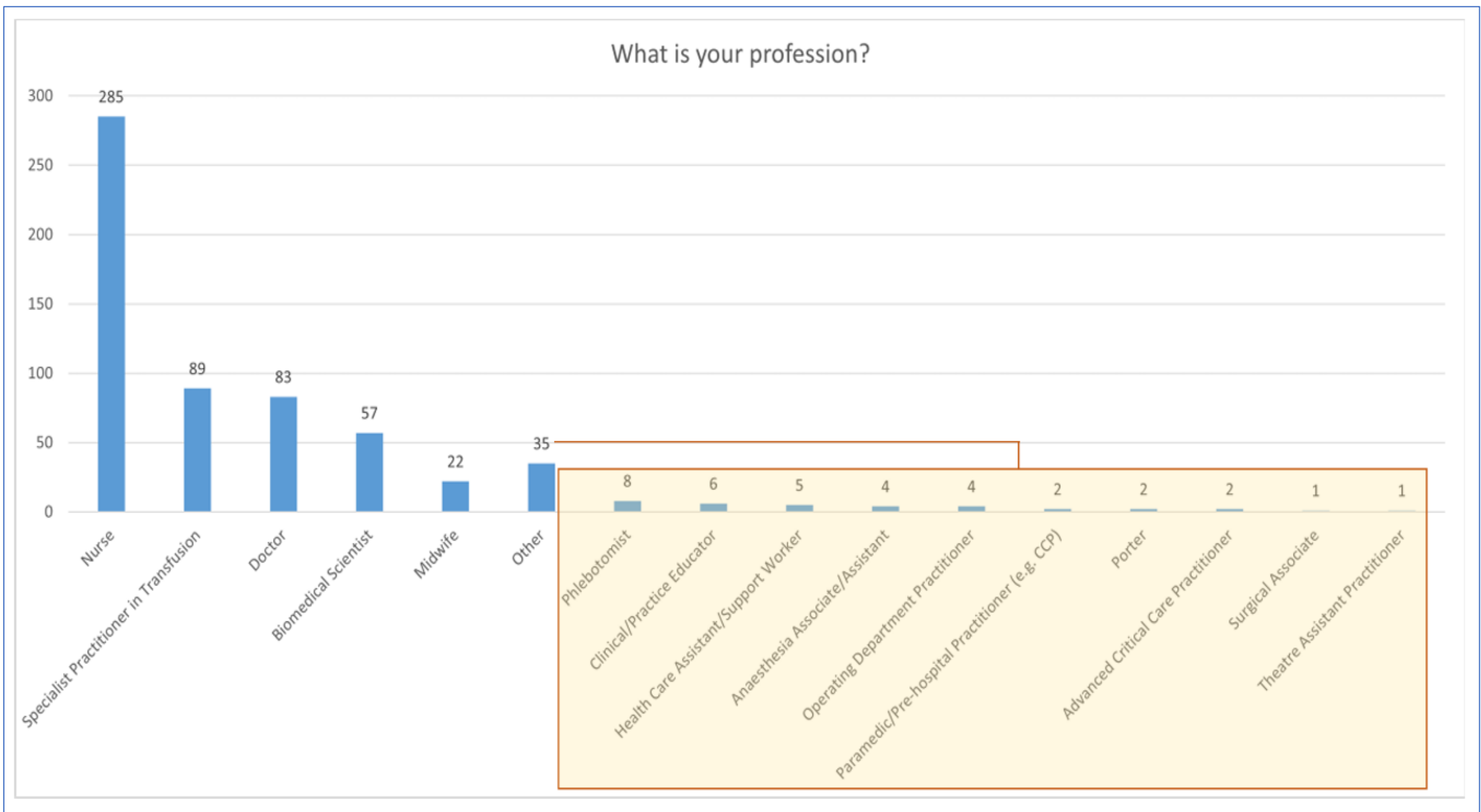
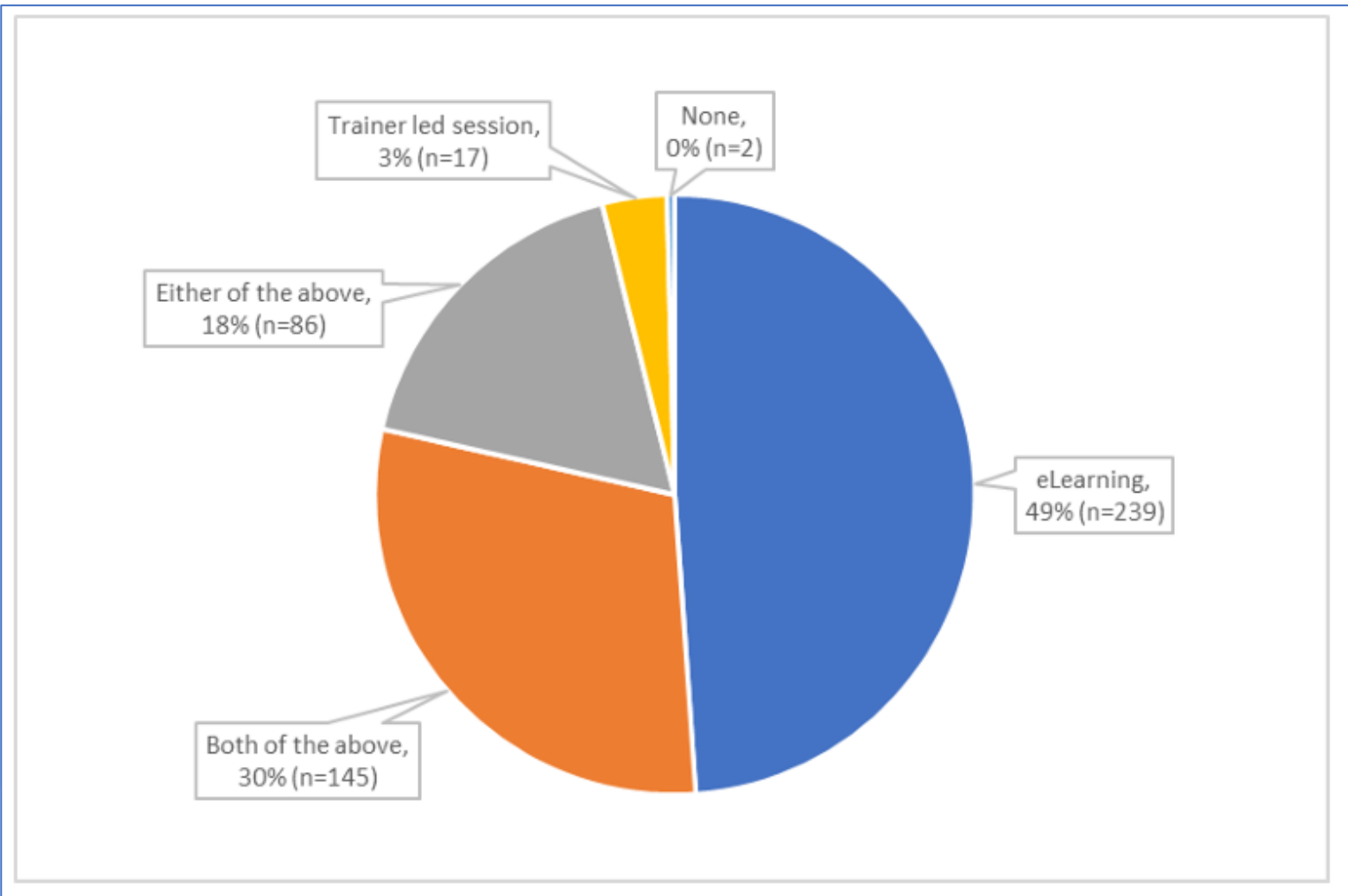
This was then emailed to transfusion practitioners (TPs), or those in equivalent roles, across the UK and RoI for onward distribution to relevant staff. The survey ran from the 23rd March to 30th April 2023.

Results

489 responses to the survey were received; well over half of these were from nurses

- Administration of transfusion and monitoring for reactions were the most frequently reported transfusion process steps undertaken by respondents, which was followed by transfusion sample taking, requesting blood, and then training staff in transfusion.
- Nearly half declared that eLearning was the sole method for transfusion training mandated in their organisation:

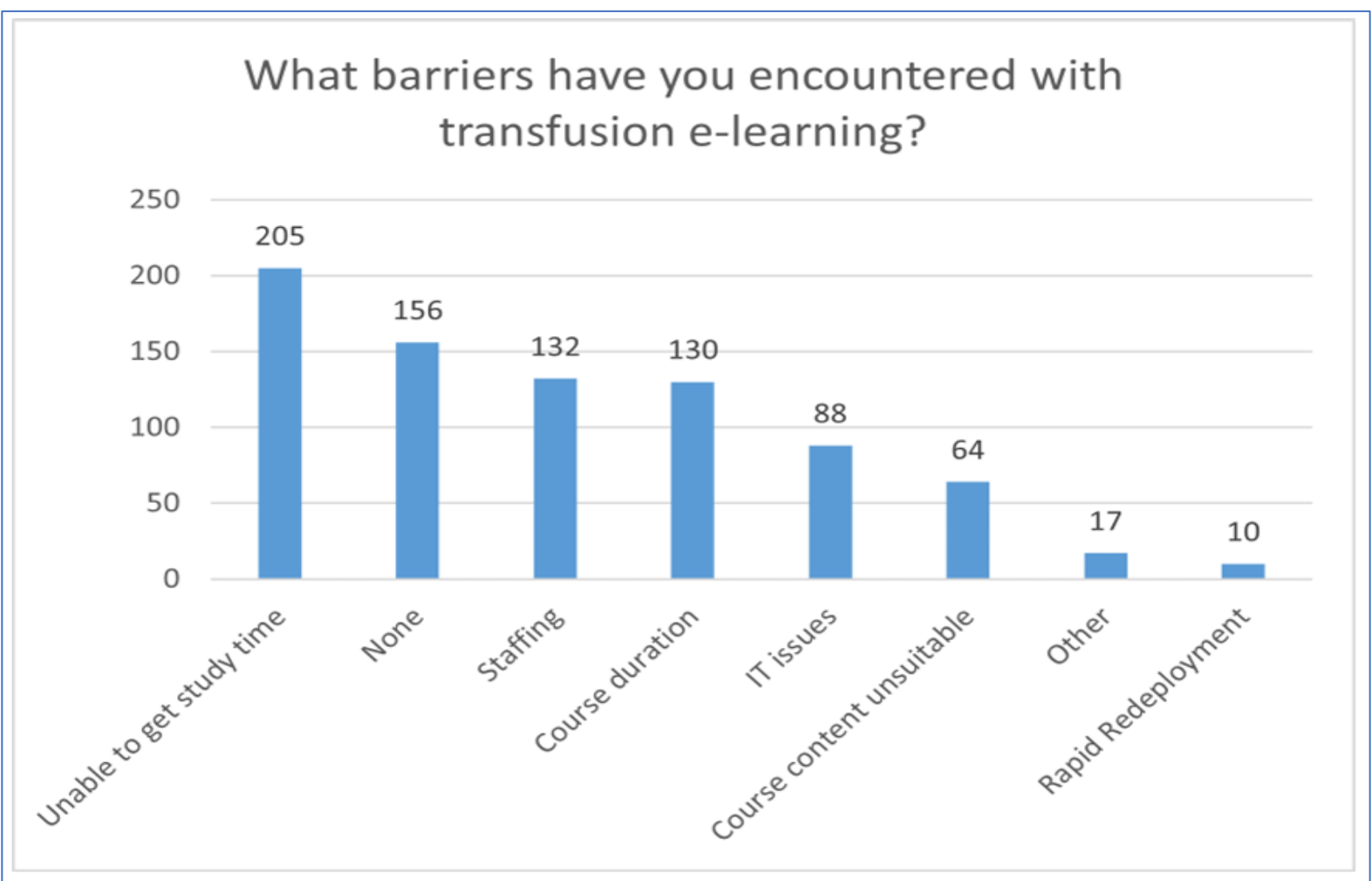
Question: Which of the following methods of training does your workplace mandate for transfusion?
Respondents could select from –
eLearning [only],
Trainer led session [only],
Either of the above,
None,
Other.



At the time the survey was distributed, a new Blood Transfusion Training (BTT) eLearning package had come into use:

- It was almost an even split amongst respondents as to whether they were using LBT or BTT eLearning; notably though, a small number reported using neither.

- Being given study time was the biggest barrier encountered with eLearning:



- The content (and that it is updated) was the thing most liked about eLearning, followed by its accessibility:

Suggestion for improvement	N ^o . of responses
Make the courses shorter	45
Tailor/relate to profession	33
Include local area specific guidelines	11
Make the courses be more interactive	9
Use more animation/videos	9
More case studies	8
Less repetition	6
Add phlebotomy	5

Shorter courses was the commonest improvement suggested

Facet of eLearning liked	N ^o . of responses
The content (and it is updated)	178
Accessibility to learning	144
The layout and flow	102
Self-directed pace of learning	52
Creates standardisation, is assessed, is certificated	28

Priority theme	N ^o . of responses
Reactions – identification / management	77
Safe practice	63
Phlebotomy/sampling	46
Administration	41
Checking for administration/bedside check	31
Consent	23
Blood products (including indications and usage)	22
Blood group compatibility	18
Collection	17

- Identification and management of reactions was the highest priority for eLearning reported:

Discussion

The findings of this survey gave a valuable insight into what users feel is important about current transfusion eLearning: professional, expert, standardised and evidence-based resource; further development of eLearning must endeavour to continue this.

The conclusion of the report of this survey identified a set of 14 key messages that are to be taken from this stakeholder engagement exercise and used to support the future work being undertaken by the UK&IBTN eLearning editorial board.

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