

What is SCRIPT?

The **SHOT UK Collaborative Reviewing and reforming IT Processes in Transfusion (SCRIPT)** group aims to improve transfusion safety through improved IT systems and practices

Why was SCRIPT formed?

There was an increase in the number of SHOT reportable errors where IT systems were identified as contributory. SHOT data includes where IT systems may have caused or contributed to the error, where IT systems have been used incorrectly, where IT systems were available but not used or where implementation of an IT solutions could have prevented the error.

Following review of these cases SHOT created the SCRIPT group, which includes a wide variety of representation from both clinical and laboratory backgrounds, with the aim to improve transfusion safety through improved IT systems and practices.

SCRIPT

SHOT UK Collaborative Reviewing and reforming IT Processes in Transfusion



Scan here for
SCRIPT page
and link to all
SCRIPT
resources

Click [here](#)
to access
SCRIPT
webpage



Common sources of errors involving IT

Failures to use or heed
flags, and alerts

Substandard
logic rules

Errors using
Electronic Blood
Management
Systems

Equipment
failure

Benefits of implementing IT to improve patient safety

Implementation of IT can
have a positive impact on
transfusion safety

Prevent
re/occurrence of
clinical &
laboratory errors

Increases
standardisation
and efficiency of
workflows

Provides second
checker not
subject to
human factors

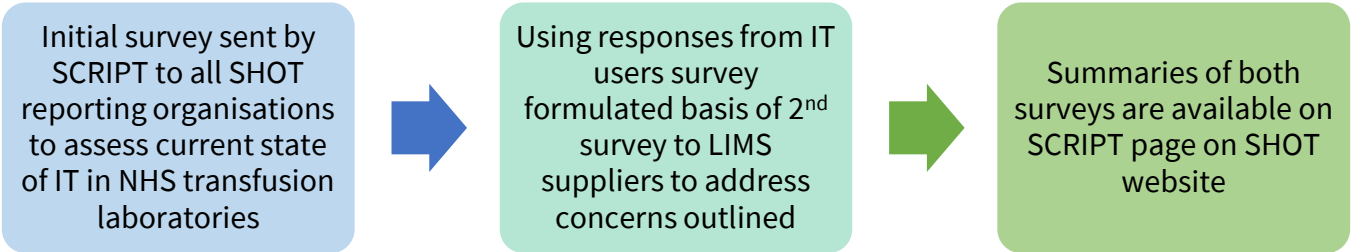
INFORMATION TECHNOLOGY MUST BE SET UP AND USED CORRECTLY TO BE SAFE

**IT SUPPORTS
SAFE
TRANSFUSION -
USE IT**



SHOT
Serious Hazards
of Transfusion

SCRIPT IT users and LIMS supplier surveys



Following these two surveys, SCRIPT created a dedicated SCRIPT webpage within the SHOT website. This gave SCRIPT a platform from which to promote IT related material, provide IT users with practical guidance and tips to promote IT implementation and how to maximise the potential of existing IT systems. See pages 3 and 4 for further details. The SCRIPT page is regularly updated with new resources.



SCRIPT also promotes the feedback loop by introducing a ‘Lessons Leant’ document, which can be completed to help promote learning following implementation of IT systems. See page 4 for further details.



Next steps include development of IT workshops where both IT users and IT suppliers can discuss developments to promote and improve transfusion safety.



SCRIPT aims to have a wide variety of representation within the group, including members from all 4 of the UK devolved nations.

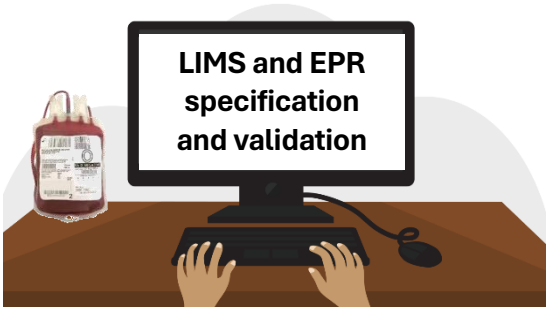
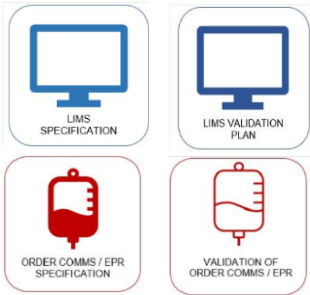


SHOT IT working experts will continue to provide the SCRIPT group with learning from IT-related SHOT reports, identifying gaps and common contributory themes.

SCRIPT Resources	
Documents to support the selection and implementation of safe IT systems	Working documents in the form of an IT Toolkit
Educational resources including SHOT illustrative IT related cases	Signposts to useful resources

**HAVING TRANSFUSION
IT SYSTEMS IN PLACE
DOES NOT NEGATE
THE NEED FOR STAFF
KNOWLEDGE & SKILLS**

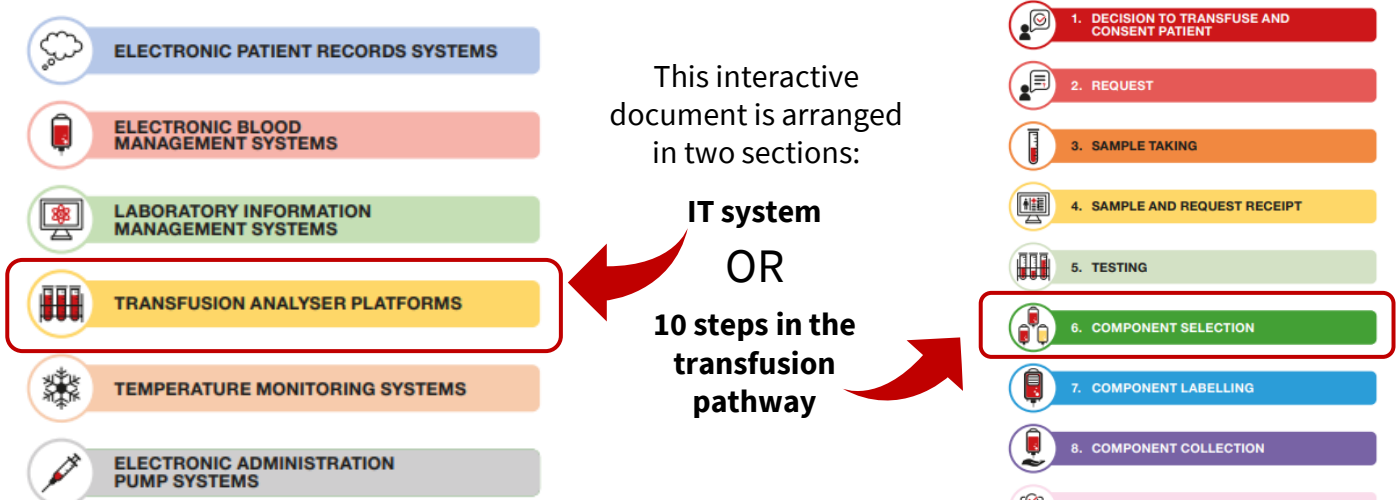




SCRIPT IT TOOLKIT: The SCRIPT group continue to collate practical resources into an IT toolkit, and these have been made available on the SCRIPT webpage. These have mainly been developed by individuals and teams working in transfusion laboratories to support local IT projects and are provided in the spirit of sharing practice.

Using Information Technology for Safe Transfusion

SCRIPT user survey suggested that transfusion services would appreciate more guidance on the functionality of transfusion IT. The ‘**Using Information Technology for Safe Transfusion**’ document will support the implementation of safe IT systems within hospitals and transfusion laboratories. It details how properly developed and configured IT systems can be used in collaboration with staff skills and knowledge to improve patient safety.



**OPTIMISE INTEROPERABILITY
TO HELP IMPROVE
PATIENT SAFETY**



GOOD INTEROPERABILITY = BETTER ACCESS TO INFORMATION
= SAFER TRANSFUSION DECISIONS

E-learning package

SCRIPT aims to develop an e-learning package covering IT essentials for all staff involved in transfusion

This will be followed by a more detailed package aimed at transfusion and IT staff with responsibility for transfusion

Implementation of new IT systems

As more transfusion laboratories implement new IT systems and equipment SCRIPT has created related documentation to assist teams and maximise IT potential. These include:



SCRIPT educational presentations detailing common IT related errors reported to SHOT are available on the SCRIPT page



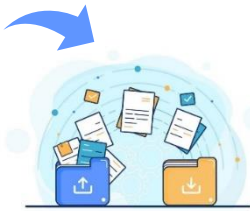
Selecting a UK LIMS – this document has been adapted from a presentation given by TLM and BBTS ACC chair Julie Staves’ at BBTS in 2023



How information technology systems can support safe practice in anti-D Ig management in pregnancy to support anti-D Ig management throughout pregnancy and delivery

Data Migration

documentation outlining considerations during migration processes, including data take on and validation of migrated data



Business case for electronic blood management system implementation

– including safety, costs and efficiency gains and associated comments or caveats



Signposts to useful resources and special interest groups

are available to give guidance and additional resources to aid in introduction of IT systems



Share your IT knowledge and experience using the SCRIPT ‘lessons learnt’ feedback form

Tool to enable you to share your knowledge and experiences of IT implementation

Knowledge is power...so share your knowledge with SCRIPT to promote your learning widely

Visit the SCRIPT page to either complete the online lessons learnt form, or using the alternative excel sheet