



A Decade of Better Blood Transfusion in Scotland

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NHS National Services Scotland**

On Your Marks...

Survey of transfusion knowledge and practice



Hospital Transfusion Committee set up (RIE)

1983

On Your Marks...

Post of **Senior Lecturer in Transfusion Medicine**
Academic Unit, SNBTS

Dr W. Murphy



Prof. ML Turner

1983

1989

On Your Marks...

Serious Hazards Of Transfusion

SNBTS represented
on Steering Group

DR DBL McClelland,
founding member



1983

1989

1996

Get Set...

Effective Use of Blood Group



Better Blood Transfusion
Continuing Education
Programme

1983

1989

1996

1998

Get Set...

NHS MEL 1999 (9) Better Blood Transfusion



Key Recommendations:

- HTC in each Health Board
- Participation in SHOT
- Local Transfusion Policies
- In-house training in Transfusion
- Explore Cell Salvage

1983

1989

1996

1998

1999



Get Set...



Scottish Executive Health Department (SEHD) Clinical Resources
& Audit Group (CRAG) funding application



Safe & Effective Transfusion Study

1983

1989

1996

1998

1999

2001

GO!

Better Blood Transfusion Programme



Better Blood Transfusion Programme

Transfusion Practitioners
take up post

Business case for NHSScotland
Better Blood Transfusion Programme
submitted to SEHD

Scottish Executive Health
Department Letter
Better Blood Transfusion
2003(19)



January

March

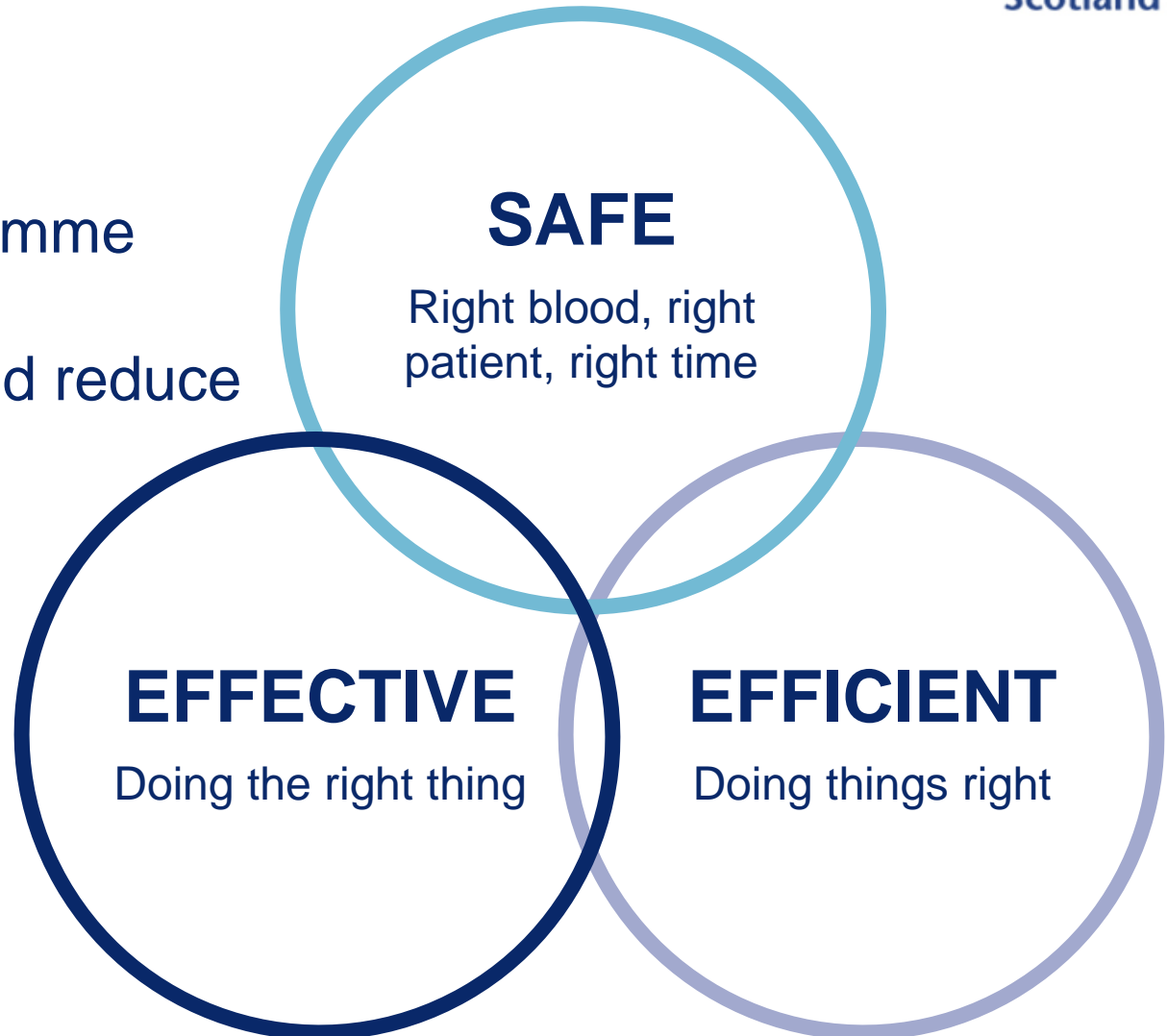
September

2003

BBTP Objectives

‘Establish a programme which will promote appropriate use and reduce risk to patients’

(NHS HDL 2003 (19))





BBT Programme Launch



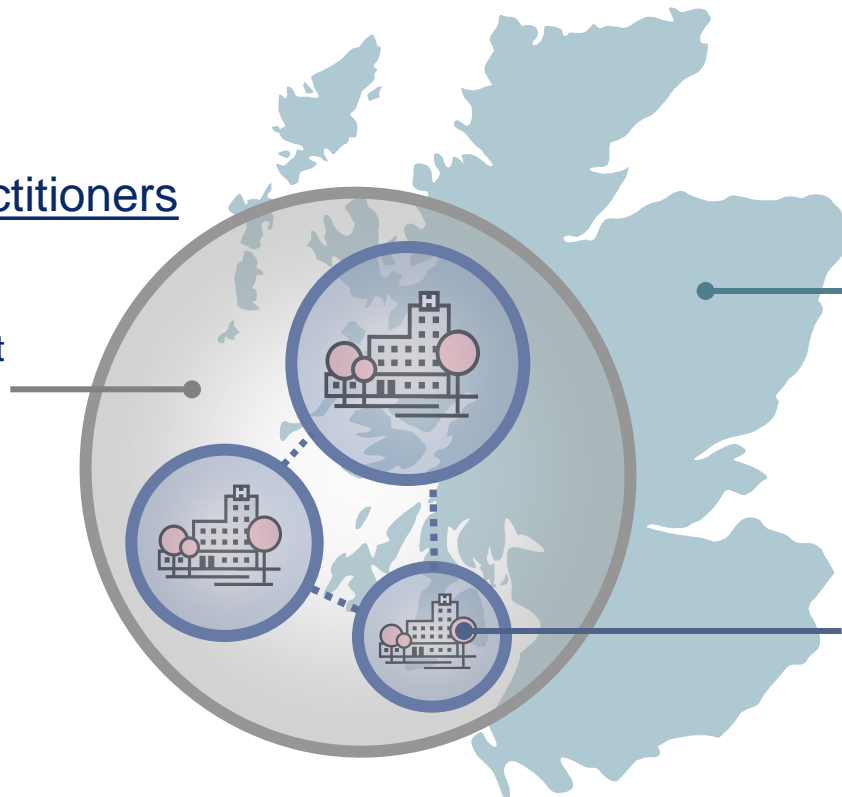
Crieff, 2003

BBT Programme Structure

- 2003

Transfusion Practitioners (TP)

18 TPs in 3 teams;
North, East and West
(mentored by EUB
Transfusion Nurse
Specialists)



Central Programme Team (CPT)

Programme Director
2 Programme Analysts
Office Administrator
(based in Edinburgh)

Hospital Transfusion Teams (HTT)

Lead Clinician
Laboratory Manager
Laboratory Quality Manager
Transfusion Practitioner

A large, stylized blue banner with a wavy, ribbon-like shape.

BBTP Steering Group



BBT Structure – 2008

EUB & BBTP Merge

Transfusion Practitioners (TP)

20 TPs managed by BBT Team Leads

Central Programme Team (CPT)

Expanded to include EUB members.

Hospital Transfusion Teams (HTT)

Lead Clinician
Laboratory Manager
Laboratory Quality Manager
Transfusion Practitioner



Scottish Clinical Transfusion Advisory Committee

Education and Training

In the beginning...

- Which members of staff require education?
 - No Training Needs Analysis
 - Variation of staff groups involved
- How do we manage training records?
- Difficulty accessing staff / venues / equipment
- eLearning introduced late 2004



Learn blood transfusion (LBT)

And now...

- Two original *LBT* modules have grown
 - 3 Core modules & 6 Specialist modules
 - More in development
- 80% of staff complete training online
- Currently **74%** of relevant NHSS staff have valid training in Module 1



Did You Know?

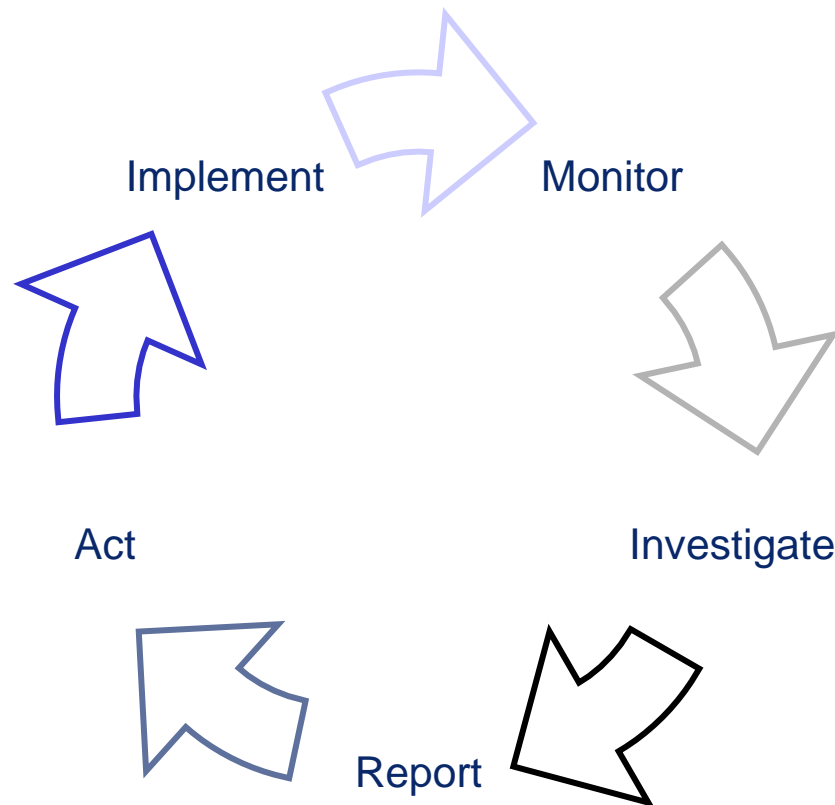
- 🔴 Since 2004 over 78,000 NHSS staff have completed the *LBT* module: Safe Transfusion Practice



- 🔴 Placed end to end, they would stretch from the foot of Ben Nevis to the summit 100 times!

Safe

Haemovigilance



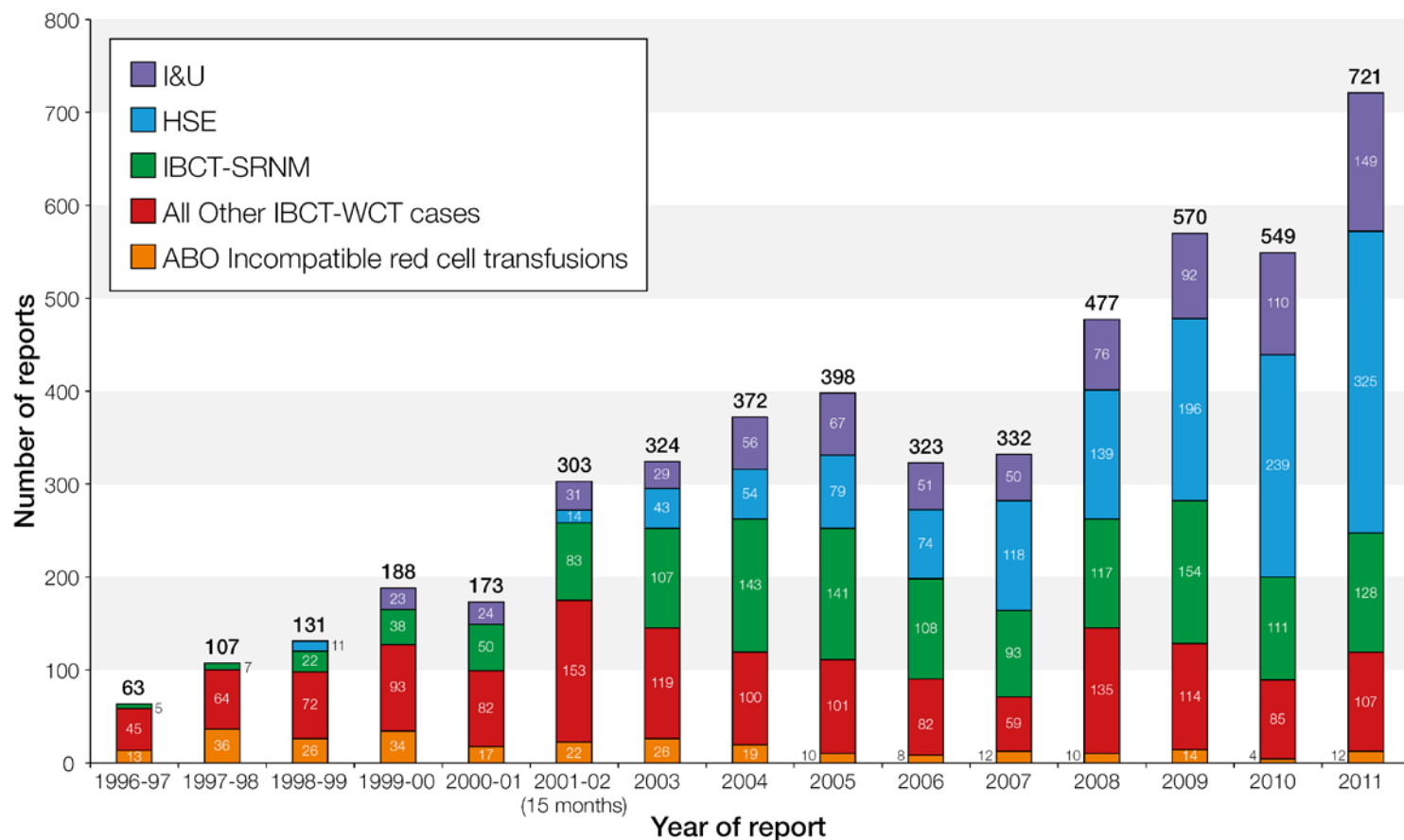
BBT promote active participation in the UK haemovigilance system

- 🔴 10% SHOT reports from NHSS
- 🔴 Since 2001 the total number of SHOT reports has doubled
- 🔴 ABO Incompatible transfusions have gone down from 7% to 2%
- 🔴 A sign of an effective haemovigilance system

Haemovigilance

Figure 4.3

Incorrect blood components transfused (IBCT) either due to wrong component (WCT) or where special requirements were not met (SRNM), handling and storage errors (HSE), showing the number that resulted in ABO-incompatible transfusions



Effective



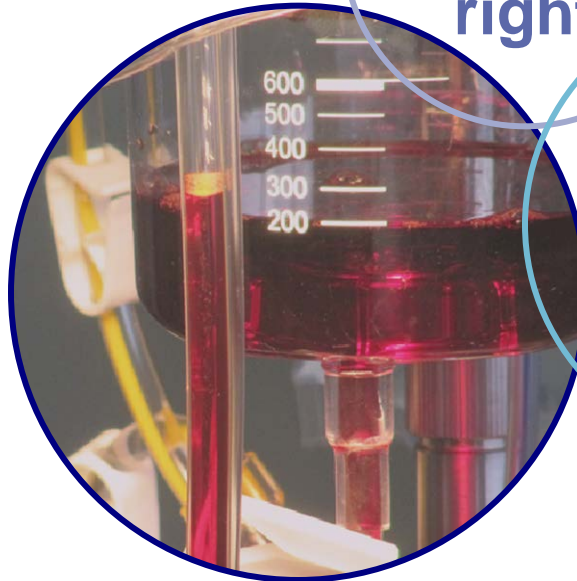
Efficient

Maximum Surgical Blood Ordering Schedule - helping clinical teams to use blood appropriately

Doing things right

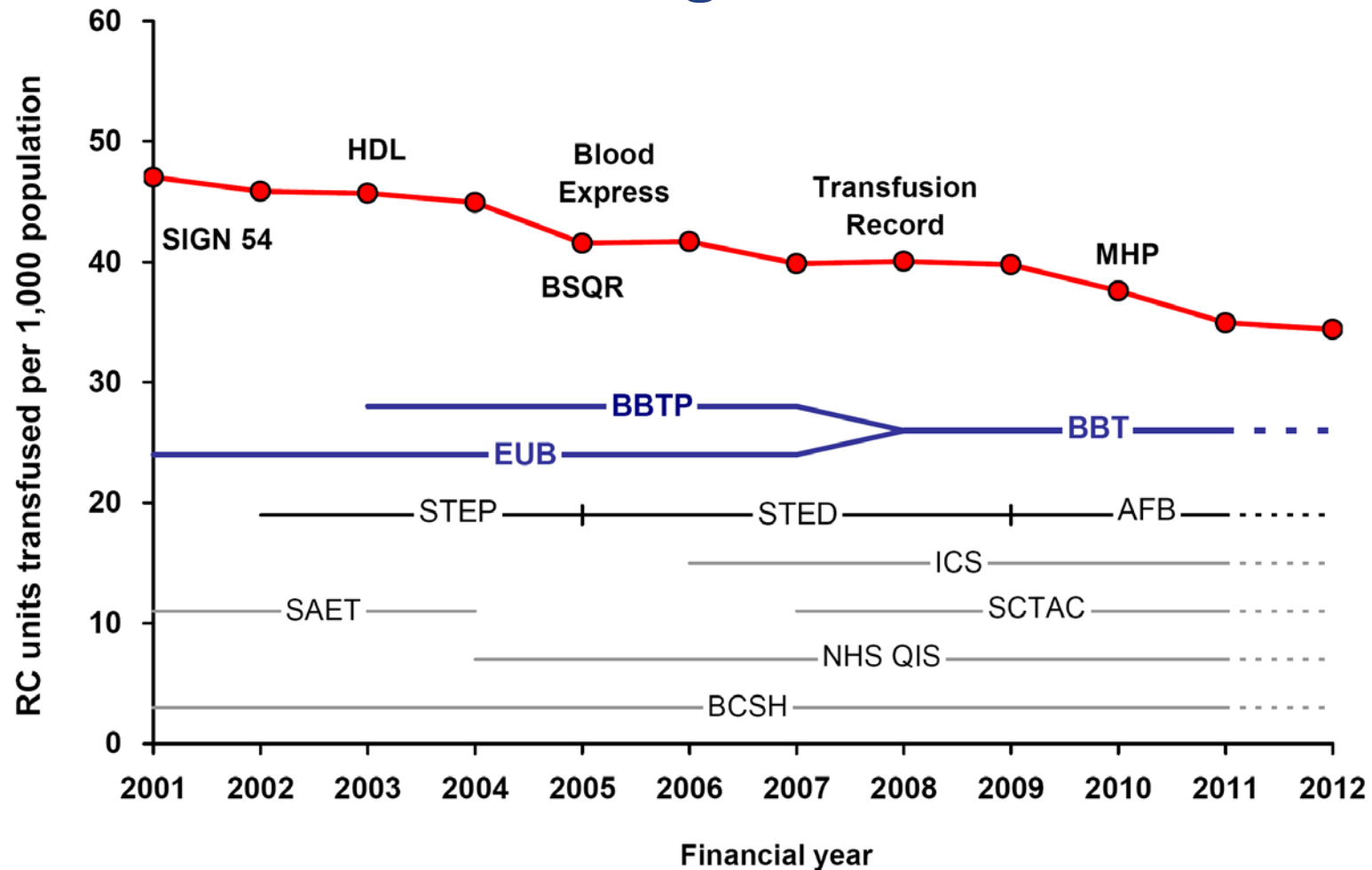
Blood Conservation Practitioner - dedicated to promoting alternatives to transfusion

Supporting clinical and laboratory teams to make best use of the donor's gift



Account for Blood - providing national data to support clinical practice and stock management

Efficient Reducing Blood Use

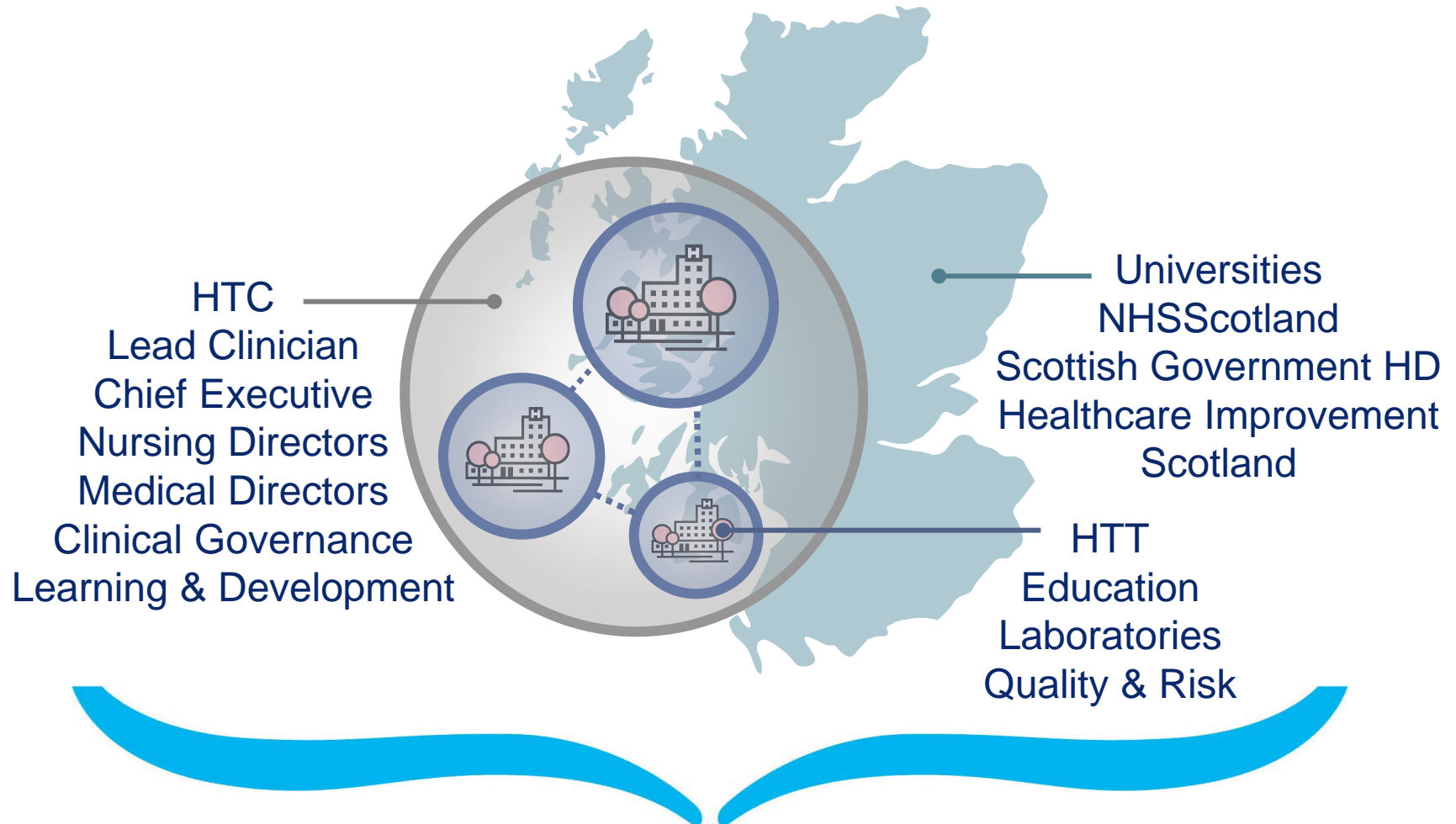


Did You Know?

- 🔴 Since 2003 we have saved 105,000 litres of blood through reduced use
- 🔴 Equivalent in volume to 4.2 million drams of whisky – one for every adult in Scotland!



Relationships – Local



Relationships – National



Relationships – International

**Conference Presentations
& Attendance**

**International
Journal Publications**

**International Audits
& Clinical Trials**

**EU Optimal
Blood Use Project**

**Global reach of
transfusion elearning**

**Reciprocal Visits
& Networking**





Better Blood Transfusion The Future





Better Blood Transfusion The Future



- 🔴 Ensure that NHSScotland has enough blood to meet the transfusion needs of patients in Scotland by focusing on:
 - 🔴 Gaining insight into the clinical context in which blood components are used
 - 🔴 Optimising blood component stock management
 - 🔴 Continuing to support safe, effective and appropriate transfusion

