

Promoting & sharing best  
practice across the EU



**Optimal Blood  
Use Project**

## EU Optimal Blood Use Project

**Professor Ian Franklin**

**Project lead &**

**National Medical & Scientific Director**

**Scottish National Blood Transfusion Service**

10<sup>th</sup> European Haemovigilance Seminar of the EHN

Frankfurt am Main, Germany

Friday 29<sup>th</sup> February 2008



# Why do we need an EU optimal blood use project?



The Project is important because of ...

- variation in blood usage [Sanguin]
- errors in administration [SHOT]
- adverse effects of inappropriate transfusion [TRICC]
- likely reductions in blood donors
- Expansion of the EU
- The EU directive on blood



## Presentation Overview

- About the Project
- Project Outputs
- Work programme
- Website & Contact Details



## About the Project - Purpose

To encourage the **optimal use of blood** components across Europe through sharing of information and best practice for the benefit of patients. Focuses on:

- Improving patient safety
- Providing resources to improve the quality and safety of the **therapeutic transfusion process**



## About the Project - Purpose

The **therapeutic transfusion process** is defined as:

- Transfusion of the right unit of blood to the right patient at the right time, and in the right condition
- Given according to appropriate guidelines and sound clinical indications
- Excludes [most] blood establishment activities



## About the Project - Participants

- There are currently **17 countries** involved with the project
- Project Management Team within the Scottish National Blood Transfusion Service [SNBTS] is responsible for overall management
- Supported by an overarching **Executive Advisory Board**



# Project Organisation Structure

## **Advisory Board**

**Professor I M Franklin (Chair & Project Lead), National Medical & Scientific Director, SNBTS**

**Angus MacMillan Douglas, Adviser to the EBA & Alliance of Blood Operators, Netherlands**

**Chief Executive's representative, NHS Blood & Transplant [England]**

**Professor Erhard Seifried, Chief Executive Officer, BSD Germany**

**Dr Dragoslav Domanovic, Director, Blood Transfusion Centre of Slovenia**

## **Project Management Team[SNBTS**

**Dr Brian McClelland,**

**Liz Pirie, Senior Transfusion Practitioner**

**Merredith Hart, Project Manager**

**Project Officer [vacant]**





## Project participants

- Austria
- Czech Republic
- Denmark
- Estonia
- France
- Germany
- Greece
- Hungary
- Italy
- Malta
- Netherlands
- Poland
- Portugal
- Romania
- Slovenia
- United Kingdom
  - England
  - Scotland



## Project Participants - Responsibilities

- Agree ways of working
  - Communication
  - sharing work
  - trouble shooting
- Agree and sign off
  - Scope of work to be undertake
  - Deadline
- **Development of a Transfusion Practice Manual & its content**
- Progress Reporting

## EU Optimal Blood Use Project Participants, Lake Bled, Slovenia, February 2008





## Project Team - Responsibilities

- Establish a process framework for the project
- Project scheduling
- Developing reporting procedures
- Tracking progress against the baseline plan
- Collating drafts and sending out for comment
- Managing the budget and cost control
- Reporting to EU commissioners
- Organising for successful implementation
- Closing and evaluating the project





The project management team, from left to right Dr Brian McClelland (lead clinician), Elaine Arthur (Support Officer), Merredith Hart (Project Manager), Liz Pirie (Senior Transfusion Nurse Practitioner) explain the aim and benefits of this exciting and important collaborative project.



## About the Project - Workgroups

**Workgroup 1:** Safe Administration of Blood and  
Blood Component Information for Users

**Workgroup 2:** Methods for evaluating the clinical use  
of blood and Use of blood components in specific  
clinical situations

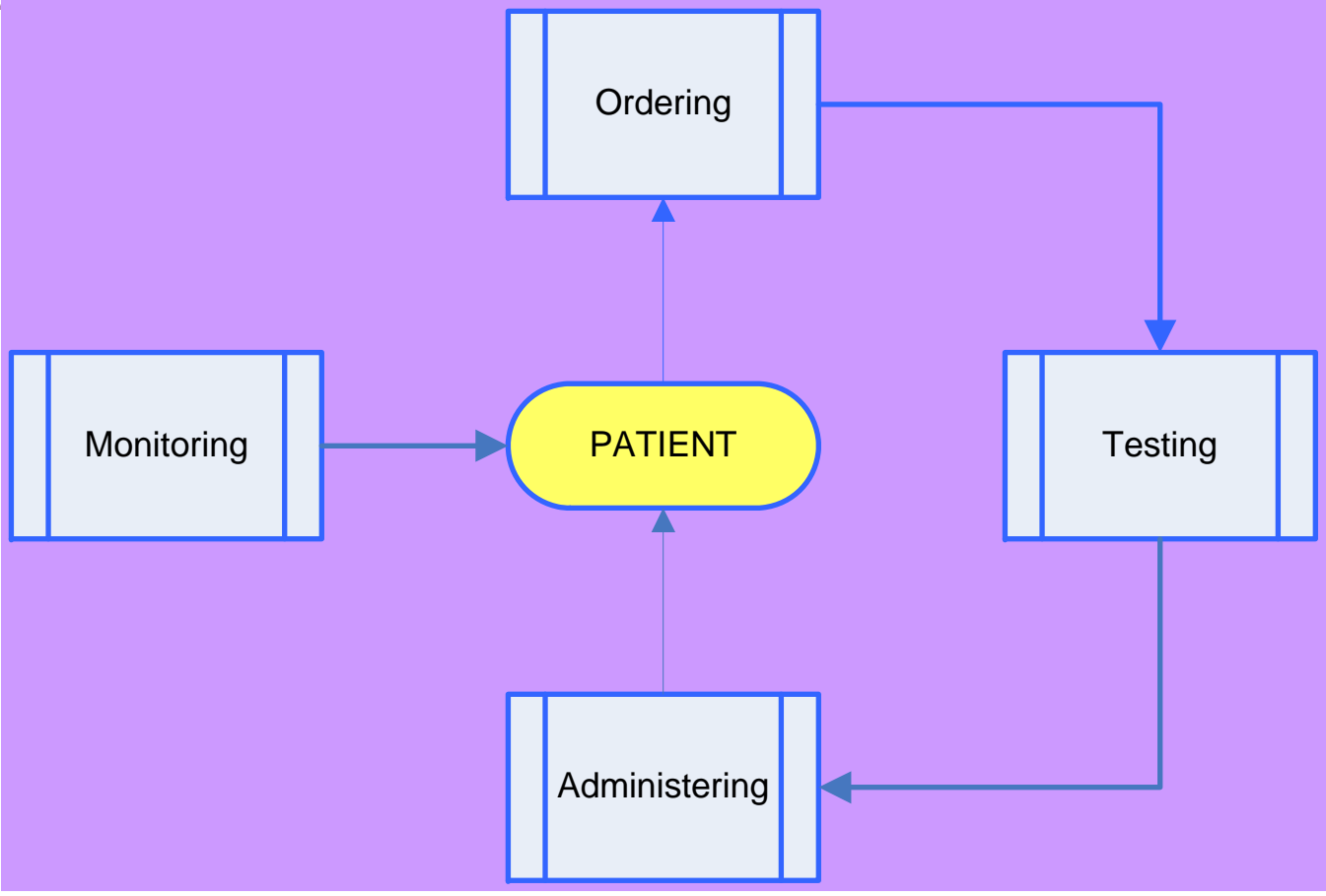
**Workgroup 3:** Developing and delivering a training  
programme

## Workgroup 1 - Safe Administration of Blood and Blood Components. Information for Users

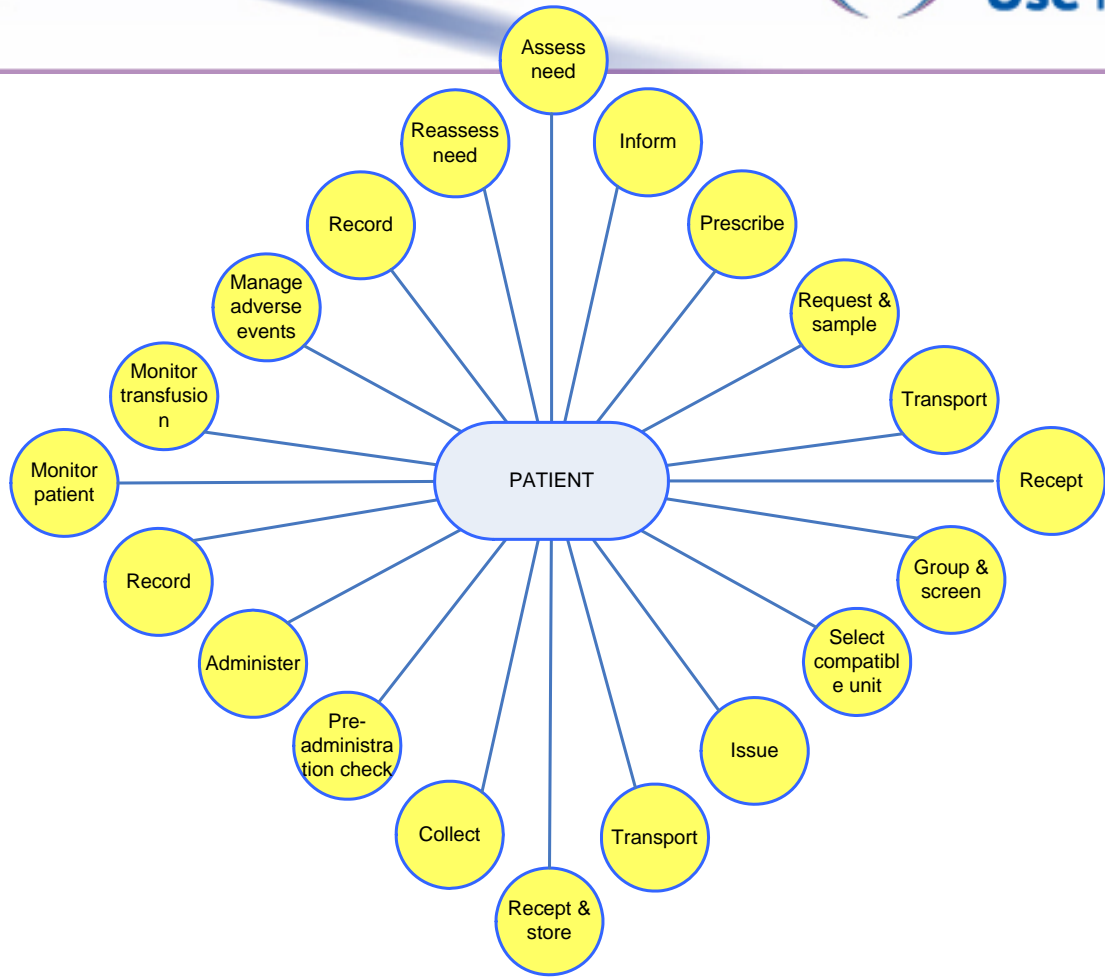


**Optimal Blood  
Use Project**

- 1.1 Essential steps in the therapeutic transfusion process
- 1.2 Transfusion Risk Profile
- 1.3 EU Legal Requirements for Training
- 1.4 National Legal Requirements for Training
- 1.5 Essential Training Requirements
- 1.6 Guide to Ways to Evaluate the Impact of Training
- 1.7 Essential Blood Components: Information for Users
- 1.8 *Evaluated Links List*
- 1.9 *Project Database of Source Information*









# Terminology

- Vital to get this right
- Different words mean different things
  - ‘collection’
  - ‘distribution’
  - ‘issue’



## Workgroup 2 – Methods for evaluating the clinical use of blood components in specific clinical situations

- 2.1 Compliance & audit
- 2.2 Comparison of blood component use
- 2.3 Clinical situations for which hospitals should have specific transfusion guidance
- 2.4 Evaluated Links List*
- 2.5 Project Database of Source Information*



## Workgroup 3- Developing and delivering a training programme

**Step 1: Establish Leadership and management support**

**Step 2. Undertake a training needs assessment**

**Step 3. Undertake baseline audit of knowledge and clinical practice**

**Step 4. Source and evaluate teaching and learning materials**



## Workgroup 3- Developing and delivering a training programme

**Step 5. Select most suitable training method for  
each staff group**

**Step 6. Assess theoretical knowledge and practical  
competency**

**Step 7. Develop a record management system**

**Step 8. Evaluate training programme**

**Step 9 Gain commitment and maintain momentum  
for training**



## Workgroup 3.2- training needs assessment

- **Who must be trained?**
- **How many need training?**
- **What teaching programmes are already available?**
- **What do they know already?**
- **Selection & evaluation of training methods**
- **Assessment of performance**



## Workgroup 3- challenges

- **Different member countries have different names for jobs / roles**
- **Same job name does different things**
- **Some jobs titles do not exist in some countries**
- **Therefore, will identify training needs for defined roles**
  - **'taking blood samples' and not Phlebotomist.**
  - **'transport of blood' and not Porter.**



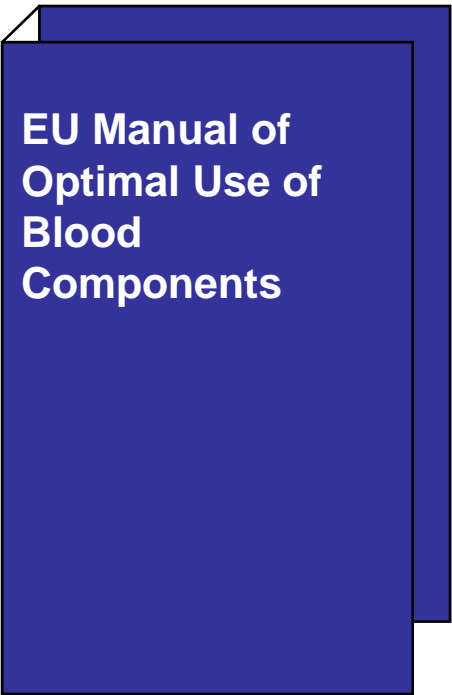
## Project Methods

1. Survey to identify current transfusion practice
2. Resource toolkit in the form of a 'manual' to facilitate best practice
3. A project website to share and communicate
4. Test the resource toolkit
5. Translate into 5 European languages
6. Disseminate via website





Project Output - The Published Manual



**Contents**

Blood components  
Information for users

Safe Administration of  
blood

How to audit  
compliance with  
guidelines

Training Staff in safe  
transfusion

References  
Links

**Blood components  
Information for users**

Red Cells  
.....  
.....

Platelets  
.....  
.....

Plasma  
.....  
.....

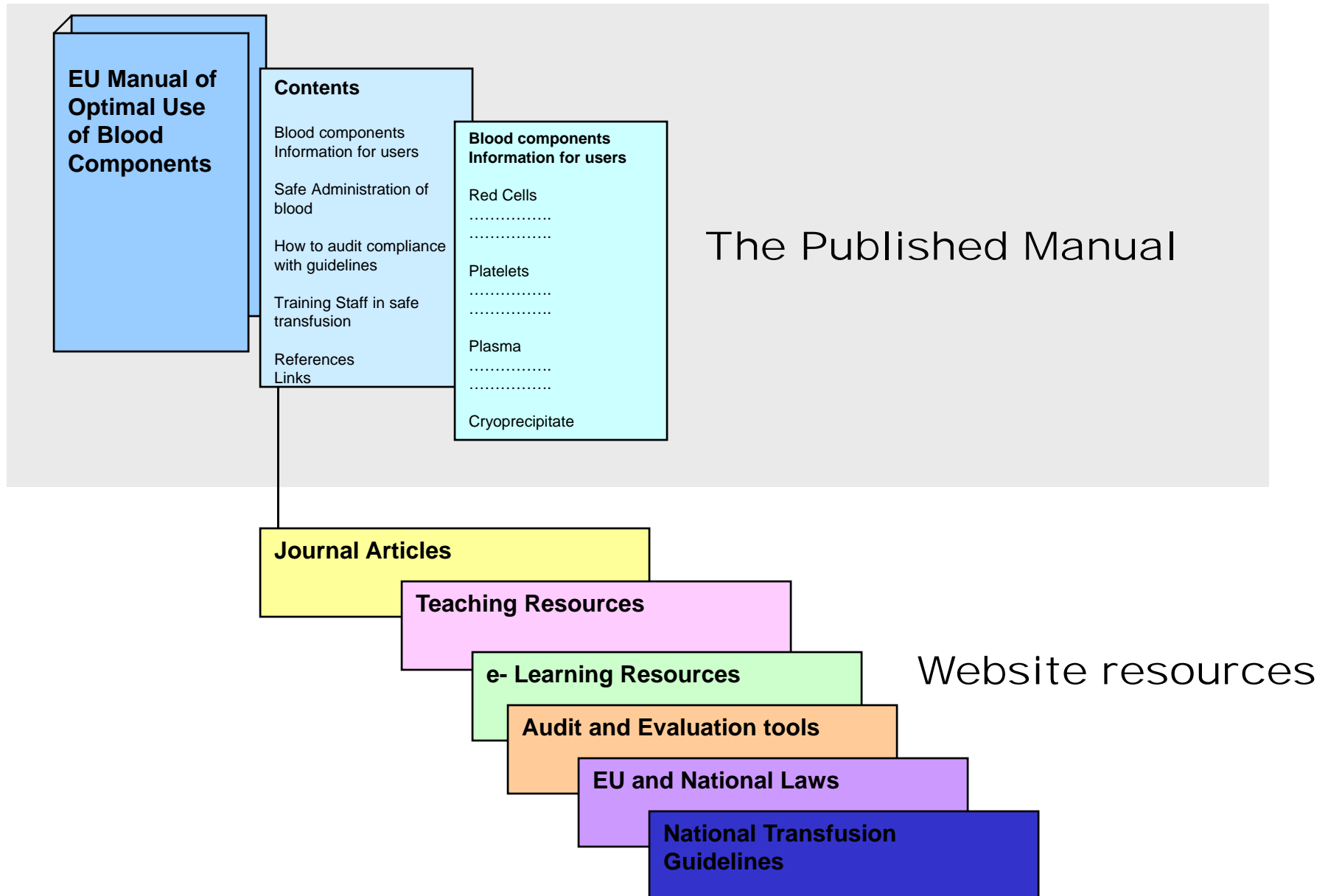
Cryoprecipitate

## Project Output - The Published Manual

### EU Manual of Optimal Use of Blood Components

- Who is the manual for?
- Transfusion Committees
  - Managers and clinicians working together
- Others who may find it useful
- Not a text book
- More a road map to safe & effective practice of blood transfusion

# Format of the Manual



Promoting & sharing best  
practice across the EU



**Optimal Blood  
Use Project**

[Home](#)

Welcome to the Optimal Blood Use Project erat la conummo  
dolorero cortie nosto odolent wismond....

The EU Optimal Use of Blood is a collaborative project to develop a pan-European standard for optimal blood use. Co-funded by the European Commission, the project will formally commence on 1st May 2007 for a three year period.

## EU Optimal Blood Use Project Partners

Enter descriptive copy in here



## Overview of the Project

### Optimal Blood Use

Find out more about the project...

### Partnership Working

Find out more about partnership working...

### EU Co-funding

## Our Collaborative Partners

### Partner Precis

Find out more...

### Partner Workgroups

Find out more...

### Partner Contact Details and Profile of Organisation

## Communications Portal

### Press Releases

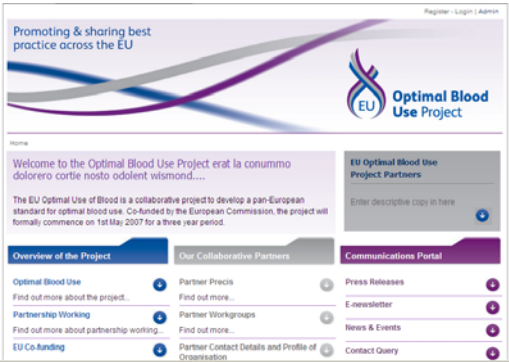
### E-newsletter

### News & Events

### Contact Query



# Project Products – Website resources



Journal Articles	Teaching Resources	e- Learning Resources	Audit and Evaluation tools
EU and National Laws	National Transfusion Guidelines	Project Database of Source Information (PDSI)	Evaluated links list



# Project work programme

May 2007 – January 2008

*Material drafted*

After agreement at August meeting, workgroups develop products for manual.

First draft of material published on project website by 28<sup>th</sup> January 2008 for review at 2<sup>nd</sup> Workgroup & Plenary meeting in **February 2008** (Slovenia).

February – September 2008

*1st Draft signed-off*

First draft of material discussed at **February 2008** meeting.

Feedback considered and material amended as appropriate **August 2008**.

Material formally signed off at **September 2008** meeting (Estonia).

Test/evaluation sites agreed.

October 2008 – April 2009

*Material tested & evaluated*

Signed off material is tested/evaluated at agreed test sites by **March 2009**.

Management Team collate feedback from test sites ready for discussion at **May 2009 meeting** (Scotland).



# Project work programme

May – November 2009  
*Material revised*

December 2009 – April 2010  
*Material finalised*

May 2010  
*Material presented*

Feedback on tested and reviewed material discussed at **May 2009** meeting (Scotland).

Workgroups consider feedback and amend tested and reviewed material as appropriate.

Final draft of material checked for consistency and any agreed minor revisions made.

Final version of material formally signed off.

Material translated (5 EU languages). Translated material checked by partner[s].

Manual published.

- Paper copy
- Web based

Project manual and results presented at symposium **May 2010** (Austria).

**May 2010 + 2 months** = project evaluation report published.





## Contact Details

### **EU Optimal Blood Use Project Team**

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Dr Brian McClelland  
Liz Pirie  
Meredith Hart  
Elaine Arthur



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