EU Optimal Blood Use Project

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Project lead

National Haemovigilance Office
NHO Annual Meeting, November 11th 2011
Why was it important to have an EU optimal blood use project?
Primary total hip replacement; percentage transfused
Clinical utilisation rates per 1,000 inhabitants

- Red cells
- FFP
- Platelets
# Type of NHO cases reported

The graph and table provide data on the types of NHO (Non-Hematopoietic Organ) cases reported from 2000 to 2010. Each category is color-coded to distinguish between different years.

<table>
<thead>
<tr>
<th>Category</th>
<th>No. of cases</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOTAL</td>
<td>2000-2010</td>
</tr>
<tr>
<td>IBCT/SAE</td>
<td>2000-2010</td>
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<tr>
<td>AA</td>
<td>2000-2010</td>
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<td>TACO</td>
<td>2000-2010</td>
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<td>AHOSTR</td>
<td>2000-2010</td>
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<td>DHTR</td>
<td>2000-2010</td>
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<td>STTI</td>
<td>2000-2010</td>
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<tr>
<td>TRALI</td>
<td>2000-2010</td>
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<tr>
<td>PAD</td>
<td>2000-2010</td>
</tr>
<tr>
<td>Unclassified</td>
<td>2000-2010</td>
</tr>
<tr>
<td>*TAD</td>
<td>2000-2010</td>
</tr>
<tr>
<td>*Hypotensive  SAR</td>
<td>2000-2010</td>
</tr>
</tbody>
</table>
Donor Base Shortfall

- Number of people donating in past year down by 12,000 \(\equiv 6.6\%\);
  - declined 7.2% since 2004/05
  - Lifestyle, vCJD and BSQR
  - Haemoglobin rules

- If a new measure such as vCJD testing happens then donors may fall to a lower level
The Project is also important because of ...

- adverse effects of inappropriate transfusion [TRICC, Canada]
- Expansion of the EU
- The EU directive on blood
Presentation Overview

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

• Co funded by EU Public Health Programme and the Scottish National Blood Transfusion Service [SNBTS]

• Project Managed by SNBTS team

• European Blood Alliance support

• 16 EU member states

• Commenced May 2007 – June 2010
Project participants

- Austria
- Czech Republic
- Denmark
- Estonia
- France
- Germany
- Greece
- Hungary
- Italy
- Malta
- Netherlands
- Poland
- Portugal
- Romania
- Slovenia
- United Kingdom
EU Optimal Blood Use Project Participants, Lake Bled, Slovenia, February 2008
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
Promoting & sharing best practice across the EU

**Project organisation & relations**

- **EU Commission**
- **EU Optimal Blood Use project ADVISORY BOARD**
- **EU OPTIMAL BLOOD USE LEAD**
  Ian M Franklin
  - **PROJECT TEAM**
    Brian McClelland
    Liz Pirie
  - **PROJECT PARTICIPANTS**
- **EU SOP Project**
- **EU INSPECTION Project**
- **EU Blood Donor Project**
  DOMAINE
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
Project Output - The Published Manual

• 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
Developing the Manual

**Workgroup 1** - Safe Administration of Blood Component Information for Users

**Workgroup 2** - evaluating the clinical use of blood in specific clinical situations

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

**Workgroup 4** - Project references and resources
Clinical transfusion process
Clinical transfusion process
Terminology

- 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.
- Different words mean different things
  - ‘collection’
  - ‘distribution’
  - ‘issue’
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 7 European languages
6. Disseminate via website
Project Achievements

- Manual
- Language versions
  - Portuguese, Polish, German, Italian, Greek, English, French, Spanish
- Supporting website
Format for the future

EU Manual of Optimal Use of Blood Components

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

The Published Manual

Website resources
- Journal Articles
- Teaching Resources
- e-Learning Resources
- Audit and Evaluation tools
- EU and National Laws
- National Transfusion Guidelines
EU Optimal Blood Use Project Team

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