SHOT and the Blood Stocks Management Scheme

Judith Chapman
BSMS Manager
BSMS and SHOT

BSMS
Collecting and analysing blood supply data and working towards facilitating improvements in blood stock management in partnership with hospitals and the NBS

SHOT
Collecting and analysing serious transfusion complications data and working towards improving the safety of blood transfusion for the patient
How does the BSMS do it?

- Analyses data
  - Collects, analyses and reports data
- Questions
  - Carries out inventory practice surveys
- Communicates
  - Website
  - Quarterly Newswire
  - Six monthly and annual reports
Using data effectively
### Data Collection

**Hospital name**: Cheltenham General Hospital

<table>
<thead>
<tr>
<th>Blood Group</th>
<th>Ideal stock</th>
<th>Issuable stock</th>
<th>Impacts</th>
<th>Nominal stock</th>
<th>Issuable Stock Index</th>
</tr>
</thead>
<tbody>
<tr>
<td>O Pos</td>
<td>38</td>
<td>35</td>
<td>No impact</td>
<td>9.90</td>
<td>3.54</td>
</tr>
<tr>
<td>O Neg</td>
<td>12</td>
<td>15</td>
<td>No impact</td>
<td>2.54</td>
<td>5.92</td>
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<tr>
<td>A Pos</td>
<td>38</td>
<td>17</td>
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<td>1.60</td>
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<tr>
<td>A Neg</td>
<td>11</td>
<td>5</td>
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<td>1.91</td>
<td>3.14</td>
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<tr>
<td>B Pos</td>
<td>6</td>
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<td>1.92</td>
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<tr>
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<td>6</td>
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<tr>
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<td>3</td>
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<td>0.35</td>
<td>0.50</td>
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<tr>
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<td>3</td>
<td>No impact</td>
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</tbody>
</table>

**Comments**

This page last updated on 19 Sep 2003 10:46:51 by BSMS0006

Most recent stock update was for 22 Sep 2003 on 22 Sep 2003 10:45:59 by bsms0006
Data reporting

- Cheltenham General Hospital

- Pulse code: T154

- Graph name:
  - Wastage as a percentage of issue to the hospital
  - Op nep issues as a percentage of total issues
  - Issuable stock index
  - Total issues
  - Shelf life stocks
  - Cumulative shelf life stocks
  - Ratio of issuable stock to allocated stock
  - Transfused as a percentage of issue

- Date range:
  - From start of: April 2002
  - To end of: August 2002

- Available categories:
  - Intensive Therapy/Care Unit: No
  - Supply satellite hospital(s) - NHS or Priv.
  - Haematology
  - Oncology unit
  - Vascular surgery
  - Casualty
  - Obstetric Unit
  - Orthopaedic Unit
  - Delivery Time - Middle
  - Supplied by Bristol

- Selected categories:
  - Blood usage - Moderate
  - District General Hospital

- Match:
  - All selected categories

- Groups A, B and O
Inventory Practice Surveys

1. Red cell ordering practice, reservation policies and stock management training
2. Use of the scheme and changes to practice, crossmatch policies
3. Mismatching survey

Leading to:
- Linking practice to final data analysis
- Fine tuning of the scheme through feedback from the participants
- Sharing of best practice
- Changing practice
The Blood Stocks Management Scheme (BSMS) was implemented in April 2001 as a partnership venture between the National Blood Service (NHS) and participating hospitals. Its aims are to increase understanding of the blood supply chain and improve blood stock management. A data management system facilitates input of data and receipt of charts related to red cell stock, wastage and age at issue. The scheme is unique in that it has a 'real time' overview of the blood supply system.
Newswire

Case studies

Hospital case studies
Participants requested more case studies, there will be two more hospital reports in newswires 9 and 10.

Alexander Hospital Redditch
Paul Weaver Senior Biomedical Scientist writes.....

Chase Farm Hospital
Veronica Munro Chief Biomedical Scientist writes.....

"ALWAYS ROOM FOR IMPROVEMENT"
How participation in the Blood Stocks Management Scheme has improved wastage rates at a District General Hospital

Bill Chaffe writes "When we enrolled in the BSMS, I did not imagine that the project would develop into a scheme that would ultimately help my laboratory control its wastage. I was of the opinion that ....

Data Analysis

![Graphs showing data analysis](image)

Information - Details of meetings, training etc.
BSMS @ BBTS and VANESA 4 Dummies

Keen to learn more about the BSMS? Want to make the most of VANESA? Itching to talk about your data and how it can help you?

There are two events coming up which will give you a chance to do all these: "VANESA 4 Dummies" and "BSMS @ BBTS". Sign up now for these FREE events.

click me for the Events Diary

BLOOD STOCKS MANAGEMENT SCHEME

The Blood Stocks Management Scheme is a partnership venture between the National Blood Service and participating hospitals. It has been established to promote better practice in the management of blood stocks throughout the NHS.
Six Monthly Reports

• Site specific summary sheet of:
  ◆ no. of issues, issuable stock index, wastage and wastage costs

• Detailed information by hospital grouping on
  ◆ issues
  ◆ Inventory levels
  ◆ wastage

• NBS data
Open Meeting

• Review of BSMS activities and data
• Workshops -
  – Managing satellite and remote fridges
  – Managing older blood
  – Managing shortages
  – Managing partnerships
  – The role of the Specialist Practitioner
• Open Forum

Full proceedings and presentations available on the website
BSMS and SHOT

Maximising the chance that donor blood is used as the donor would wish

BSMS

Maximising the chance patients receive blood as they would wish

SHOT
Acknowledgments

Rob Hick and Clive Hyam - Data analysts
Seena Shah - Data administration
Richard Cook and Richard Astbury - NBS software developers