TEAM TRANSFUSION
How to Report an Adverse Event
Presentation Overview

• Form Completion
  – Case 1 – Mr. DY
  – Case 2 – Mr. HH
  – Case 3 – Ms. KZ

• Manitoba Adverse Event Reporting System
  – Info
  – Info
  – Info
Lost in Translation?

Adverse Event → Form Completion → Reporting

REACTION
Case 1 – Mr. DY

Clinical Information

- **Patient Demographics**
  - Name – DY
  - PHIN – 999 888 777
  - DOB – 01JAN1975 (34yr)
  - Male

- **Premeds**
  - Acetomenophen 650mg
  - Benadryl 25 mg

- **Clinical Signs/Symptoms**
  - > 1 ºC
  - Shivering/Myalgia

- **Pre Transfusion VS**
  - BP98/60
  - P 90
  - T 36.9 – 37.9

- **Post Transfusion VS**
  - BP 160/80
  - P 120
  - T 38.4

- **Measures**
  - Transfusion restarted
Case 1 – Mr. DY

Product Information

- Donor unit ABO/Rh
- Product type: RBC
- Donor unit #
  - C0 0540 09 7775453$
- Volume given: 139 mL
- Infusion date/time (start & stop)
- Expiry date (donor unit expiry)
- Product Code – E
- Modifiers (none)
Case 1 – Mr. DY

Clerical Checks

- **Nursing**
  - Check all information
  - Donor unit/tag
  - CBS Progesa Report or DSM BTS Report
  - Order, Chart information

- **Blood Bank**
  - Lab Log
  - Patient Progesa/DSM BTS report
  - Donor unit information
  - Packing Slip (as applicable)
Case 2 – Mr. HH

Clinical Information

• **Patient Demographics**
  – Name – HH
  – PHIN – 777 888 999
  – DOB – 01JAN1960 (50yr)
  – Male

• **Clinical Signs/Symptoms**
  – SOB
  – Distressed

• **Pre Transfusion VS**
  – BP 120/75
  – P 100
  – T 37.5

• **Post Transfusion VS**
  – BP 140/95
  – P 100
  – T 37.8

• **Measures**
  – Physician consult
**Case 2- Mr. HH**

**Product Information**
- Donor unit ABO/Rh
- Product type (3):
  - RBC
  - Albumin
  - Plasma (FFP)
- Donor unit #
  - RBC:
    - C0 0540 09 5555720$
    - C0 0540 09 5555820#
  - Albumin:
    - 26NCNT1
    - 26NCNT1
  - Plasma (FFP):
    - C0 540 09 12345620*
    - C0 540 09 12345720%

- Volume given: state volume for each
- Infusion date/time (start & stop) for each
- Expiry date (donor unit expiry) for each
- Product Code – E for each
- Modifiers (none)
Case 2 – Mr. HH

Clerical Checks

• Nursing
  – Check all information
    • Donor unit/tag
    • CBS Progesa Report or DSM BTS Report
    • Order, Chart information

• Blood Bank
  – Lab Log
    • Patient Progesa/DSM BTS report
    • Donor unit information
    • Packing Slip (as applicable)
Case 3 – Ms. KZ

Clinical Information
- **Patient Demographics**
  - Name – KZ
  - PHIN – 123 456 789
  - DOB – 01JAN1990 (20yr)
  - Female
- **Clinical Signs/Symptoms**
  - Back pain
  - Other: Feeling “funny”
  - Hemoglobinuria
- **Pre Transfusion VS**
  - BP 120/72
  - P 72
  - T 37.3
- **Post Transfusion VS**
  - BP 98/50
  - P 110
  - T 37.5
- **Measures**
  - Physician consult
## Case 3 – Ms. KZ

### Product Information
- **Donor unit ABO/Rh**
- **Product type:** RBC
- **Donor unit #:**
  - C0 0540 09 5551212$
  - C0 0540 09 5551413#
- **Volume given:** state volume for each
- **Infusion date/time (start & stop) for each**
- **Expiry date (donor unit expiry) for each**
- **Product Code – E for each**
- **Modifiers (none)**
Clerical Checks

- Nursing
  - Check all information
    - Donor unit/tag
    - CBS Progesa Report or DSM BTS Report
  - Order, Chart information
- Blood Bank
  - Lab Log
    - Patient Progesa/DSM BTS report
    - Donor unit information
    - Packing Slip (as applicable)
Manitoba’s Adverse Event Reporting System

• Benefits
  – Maintain province wide standardization of adverse reaction policies and procedures.
  – Determine the potential and actual risk of adverse reaction events and their impact on the recipient.
  – Monitor trends to identify changes in the magnitude of known transfusion risks.
  – Assess the magnitude of new transfusion risks including emerging pathogens
Incomplete Data from Transfusion
Reaction Investigation Forms
N=409
April 1, 2007- March 31, 2009
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<th>Product Code</th>
<th>Expiry Date</th>
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<tbody>
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<td>27 JUL 2009 23:59</td>
</tr>
</tbody>
</table>

**Donor Unit #**
All 16 characters MUST BE RECORDED
Nursing Clerical Check

Reason for Transfusion

Reaction Time

Blood Bank Clerical Check

CM105 Version 10/06
Transfusion Reactions to Blood and Blood Components Reported to the Adverse Event Reporting System April 1, 2004 to March 31, 2009
Thank you

Questions?