



Oxford University Hospitals
NHS Foundation Trust

Real Time “Spot” Audits

Dipika Solanki

Transfusion Practitioner
Oxford University Hospitals Trust
@Transfusion Bites 6TH November 2019



Guidelines for the Blood Transfusion Services in the United Kingdom

edition 2013

ANNUAL
SHOT
REPORT
2014

Aligned to the Royal College of Pathologists
The Shering-Plough Institute members representing the following professional bodies:

British Society for Haematology
British Society for Immunology
Faculty of Public Health
Institute of Public Health
Public Health England
Royal College of Anaesthetists
Royal College of Emergency Medicine
Royal College of General Practitioners
Royal College of Microbiologists
Royal College of Physicians
Royal College of Radiologists
Royal College of Surgeons
Royal College of Pathologists
Royal College of Paediatrics and Child Health
Royal College of Obstetrics and Gynaecology
Royal College of Midwives
Royal College of Nursing
Royal College of Speech and Language Therapists
Royal College of Veterinary Medicine
UK Health Care Association



Medicines &
Healthcare products
Regulatory Agency

Blood transfusion

Quality standard [QS138] Published date: December 2016 [Uptake](#)

Quality standard

Tools and resources

History

Overview

Quality statements

Quality statement 1: Iron
supplementation

Quality statement 2:
Tranexamic acid for adults

Quality statement 3:
Reassessment after red blood
cell transfusions

Quality statement 4: Patient
information

Quality standard

NICE interactive flowchart - Blood transfusion

This quality standard covers the general principles for the safe and effective use of blood transfusion in adults, young people and children over 1 year of age in priority areas for improvement. It does not cover the use of blood transfusion in emergency situations.

How to use NICE quality standard

BSQR

stands for

Blood Safety and Quality
Regulations



Abbreviations.com



Benefits of an electronic system

- Improve transfusion safety in hospitals – fewer errors
- Reduce the inappropriate use of blood – cost savings
- Improve the efficiency of hospital transfusion (including the rapid availability of blood for those patients who need it urgently, less waste and improved use of staff time)
- Facilitate monitoring of transfusion practice improve compliance with regulatory requirements
- Paperless, removing the need for written notes and so ensuring accurate and up to date information on the patient is available at all times



	Alerts							
	Patient	Unit	Product Code	Product	Status	Details	Date	Location
Alerts			18300	FFP LD	Transfused	Completed (65 minutes ago)	30-Oct-2019 14:49:42	NOC Recovery
			18300	FFP LD	Transfused	Completed (43 minutes ago)	30-Oct-2019 15:11:34	NOC Recovery
Product Available			10190	CRYOPRECIPITATE POOLED LD	Transfusion Started	15 minute vitals required (13 minutes)	30-Oct-2019 15:41:23	JR Adult ICU
Sample Available			04333	RED CELLS IN ADD SOLN LD	Transfusion Started	Waiting for completion	30-Oct-2019 14:31:53	JR Ward 5B
Transactions			04333	RED CELLS IN ADD SOLN LD	Transfused	Completed (17 minutes ago)	30-Oct-2019 15:37:47	CH Chemo Suite
			04333	RED CELLS IN ADD SOLN LD	Transfused	Completed (55 minutes ago)	30-Oct-2019 14:59:57	CH Churchill Theatres
Reports			04333	RED CELLS IN ADD SOLN LD	Transfused	Completed (41 minutes ago)	30-Oct-2019 15:13:16	CH Churchill Theatres
Kiosks			46834	RED CELLS IN ADD SOLN LD IRRAD NEO PK 5	Transfusion Started	Waiting for completion	30-Oct-2019 12:12:45	JR SCBU
Remote			44333	RED CELLS IN ADD SOLN LD, IRRAD	Transfused	Completed (86 minutes ago)	30-Oct-2019 14:28:12	CH DTU Haematology
ASK Manager			04333	RED CELLS IN ADD SOLN LD	Transfused	Completed (26 minutes ago)	30-Oct-2019 15:28:49	JR Obs Area
Configuration			04333	RED CELLS IN ADD SOLN LD	Transfusion Started	Waiting for completion	30-Oct-2019 13:32:48	HH Rowan
			04333	RED CELLS IN ADD SOLN LD	Transfusion Started	Completion required (300 minutes)	30-Oct-2019 10:54:52	JR CTCC
			18300	FFP LD	Transfused	Completed (107 minutes ago)	30-Oct-2019 14:07:54	Blood Bank Lab
			18300	FFP LD	Transfused	Completed (107 minutes ago)	30-Oct-2019 14:07:24	Blood Bank Lab
			18300	FFP LD	Transfused	Completed (103 minutes ago)	30-Oct-2019 14:11:13	Blood Bank Lab
			44333	RED CELLS IN ADD SOLN LD, IRRAD	Transfusion Started	Waiting for completion	30-Oct-2019 14:06:06	CH Oncology Short Stay
			18300	FFP LD	Transfusion Started	15 minute vitals required (13 minutes)	30-Oct-2019 15:41:23	JR Adult ICU
			18300	FFP LD	Transfusion Started	Completion overdue (380 minutes)	30-Oct-2019 09:34:44	CH Renal Ward
			18300	FFP LD	Transfusion Started	Completion overdue (380 minutes)	30-Oct-2019 09:34:44	CH Renal Ward
			18300	FFP LD	Transfusion Started	Completion overdue (380 minutes)	30-Oct-2019 09:34:44	CH Renal Ward
			18300	FFP LD	Transfusion Started	Completion overdue (380 minutes)	30-Oct-2019 09:34:44	CH Renal Ward
			18300	FFP LD	Transfusion Started	15 minute vitals required (13 minutes)	30-Oct-2019 15:41:23	JR Adult ICU
			04333	RED CELLS IN ADD SOLN LD	Transfused	Completed (20 minutes ago)	30-Oct-2019 15:34:21	JR Adult ICU
			04333	RED CELLS IN ADD SOLN LD	Transfusion Started	15 minute vitals overdue (231 minutes)	30-Oct-2019 12:10:36	CH DTU Haematology
			54478	PLATELETS, POOLED, IN ADDITIVE SOLUTION AND PLASMA	Transfusion Started	15 minute vitals required (27 minutes)	30-Oct-2019 15:27:41	CH Haem Ward
			54478	PLATELETS, POOLED, IN ADDITIVE SOLUTION AND PLASMA	Arrived	Ready to start	30-Oct-2019 14:44:17	CH Haem Ward
			04333	RED CELLS IN ADD SOLN LD	Transfusion Started	15 minute vitals overdue (36 minutes)	30-Oct-2019 14:15:07	JR EAU
			44333	RED CELLS IN ADD SOLN LD, IRRAD	Transfusion Started	15 minute vitals overdue (386 minutes)	30-Oct-2019 12:48:55	CH DTU Haematology
			54478	PLATELETS, POOLED, IN ADDITIVE SOLUTION AND PLASMA	Arrived	Ready to start	30-Oct-2019 15:49:38	CH Haem Ward
			04333	RED CELLS IN ADD SOLN LD	Transfusion Started	15 minute vitals overdue (35 minutes)	30-Oct-2019 15:19:57	JR NITU
			54294	PLTS APH LD IRRAD PK 2	Transfused	Completed (92 minutes ago)	30-Oct-2019 14:22:00	NOC Recovery

AUDIT DATA COLLECTED ON COMPLIANCE WITH THE OUH BLOOD TRANSFUSION POLICY TO
ENSURE PATIENT SAFETY DURING THE TRANSFUSION PROCESS

SECTION 1: PATIENT INFORMATION	Yes	No	Comments or N/A
Was the patient wearing a wristband generated from the electronic patient record (EPR)?			
Did the wristband contain, surname, first name, date of birth and unique identification number NHS/MRN number			
Was the information on the wristband legible and correct			
Were wristbands kept anywhere other than on the patient, e.g. patient's case notes			
Was the wristband able to be easily scanned using the BloodTrack PDA			
Is there evidence that the patient has been provided with written information about blood transfusion?			

SECTION 2: APPROPRIATENESS OF TRANSFUSION	Yes	No	Comments or N/A
Was a pre-transfusion haemoglobin taken within 24 hours of the transfusion being ordered			
Was the pre-transfusion haemoglobin < 70g/L			

SECTION 3: ACCURACY OF INFORMATION ON THE PATIENT'S IDENTIFICATION	Yes	No	Comments or N/A
Was the patient able to state their full name and date of birth, and if so did these details match what is shown on the unique identification wristband?			
Did the patient's details on the wristband match the compatibility label on the blood components?			
Did the patient's details on the patient's identification match what is shown on the EPR prescription?			
If necessary, does the prescription indicate that the patient needs special requirements?			

SECTION 4: ABOUT THE UNIT AUDITED	Yes	No	Comment or N/A
Is the "start transfusion" time of the transfusion accessible			
Is the "end transfusion" time of the transfusion accessible			
Can the person involved in the administration of the unit be identified?			

SECTION 5: CARE OF THE PATIENT	Yes	No	Comment or N/A
<i>Pre-transfusion observations</i>			
Was a pre-transfusion observations recorded within the 60 minutes before the transfusion start time? (Pulse, temp, BP, resp, O2sats) Y/N			
<i>After the start of the current transfusion when were the first observations recorded?</i>			
Not performed			
1 – 14 minutes			
At 15 minutes			
16 – 30 minutes			
> 30 minutes			
<i>After the end of the current transfusion:</i>			
Were post-transfusion observations recorded no more than 60 minutes after the transfusion end time?			

SECTION 6: STAFF TRAINING	Yes	No	Comments or N/A
Has the staff member completed theoretical transfusion training within the last three years?			
Has the staff member undertaken a transfusion practical assessment?			

Audit Nr:

Ward Audited:



- Audits the correct use of the electronic system and good transfusion practice
- Addresses technical problems as they arise
- Monitors the use of the system and feeding back information on correct use to individual staff and their managers in real time
- Identifies compliance , competency and poor practice which can be followed up by providing further education or training where appropriate

The image displays three blank forms for recording patient history. The top form is titled "HISTORY SHEET" and includes a header for "DATE" and "CLINICAL NOTES". Below this is a large table with columns for "DATE" and "CLINICAL NOTES". The bottom two forms are titled "HISTORY" and include a header for "DATE" and "CLINICAL NOTES". Below this is a large table with columns for "DATE" and "CLINICAL NOTES".

