

## Reducing Patient Exposure to Red Cell Transfusions through a Single Unit Transfusion Policy

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## **NICE Guidelines NG24**

## Doses

- 1.2.5 Consider single-unit red blood cell transfusions for adults (or equivalent volumes calculated based on body weight for children or adults with low body weight) who do not have active bleeding.
- 1.2.6 After each single-unit red blood cell transfusion (or equivalent volumes calculated based on body weight for children or adults with low body weight), clinically reassess and check haemoglobin levels, and give further transfusions if needed.



## National Comparative Audit for Blood Transfusion of Medical Use of Blood 2011

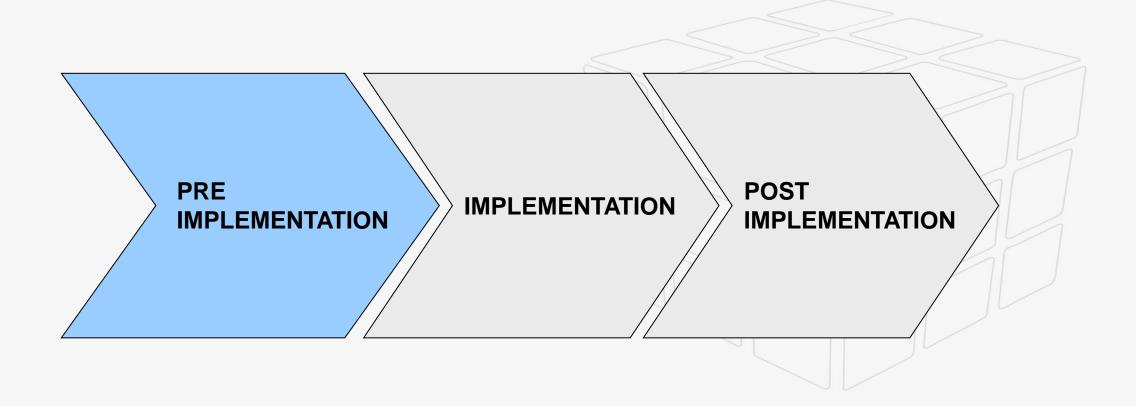
- Red cells transfused
  - 65% = 2 units
  - 15% = 3 units
  - 6% = 4 units
- Transfusion in cases with possible reversible anaemia (20%)
- Transfusion above the Hb threshold defined by the audit algorithm (29%)
- Over-transfusion (33%)
  - Transfusion to more than 20g/L above threshold



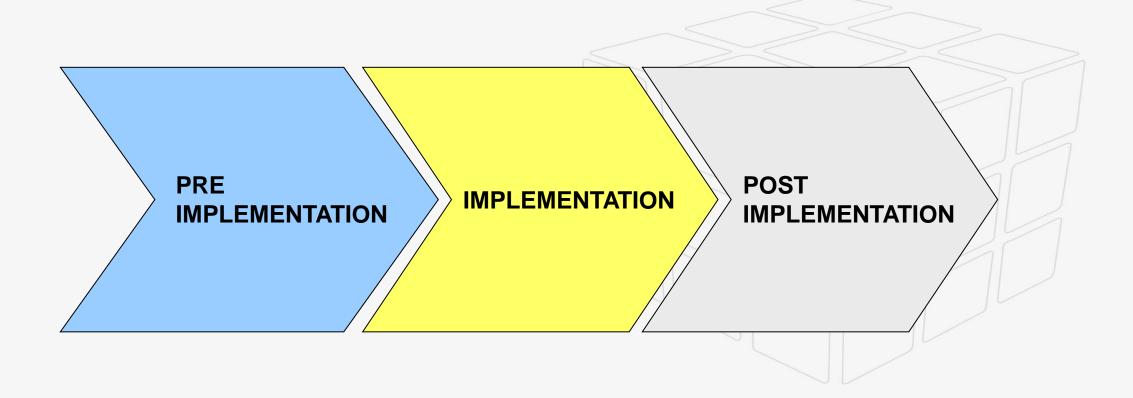


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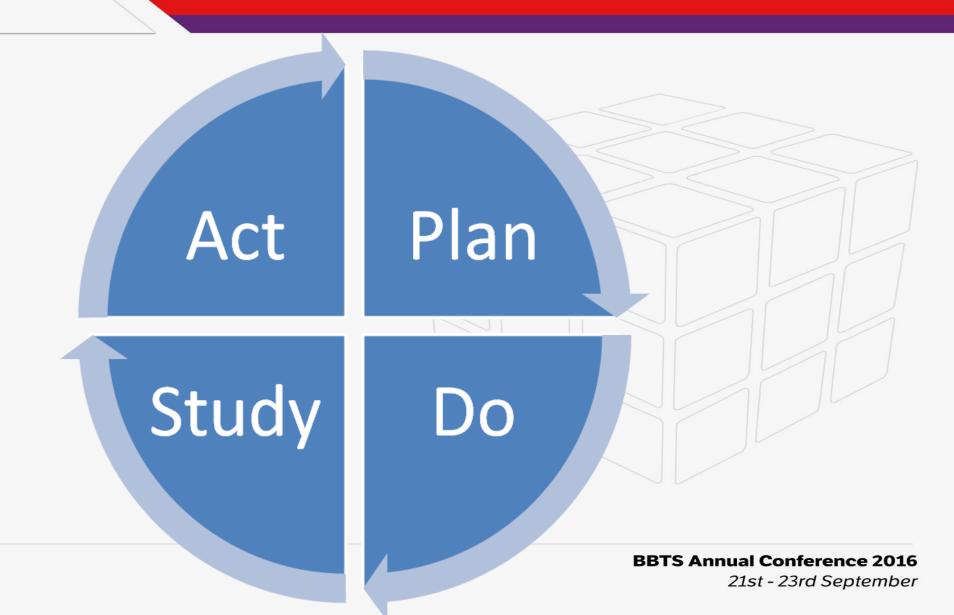






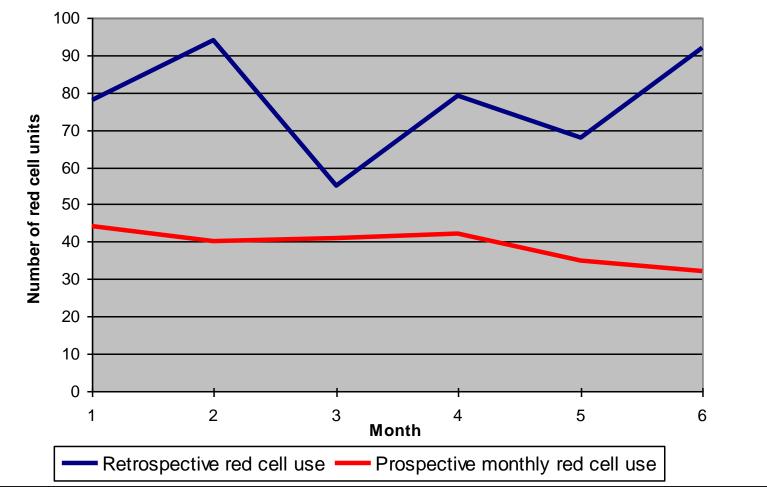












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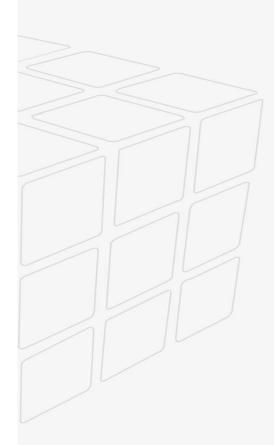


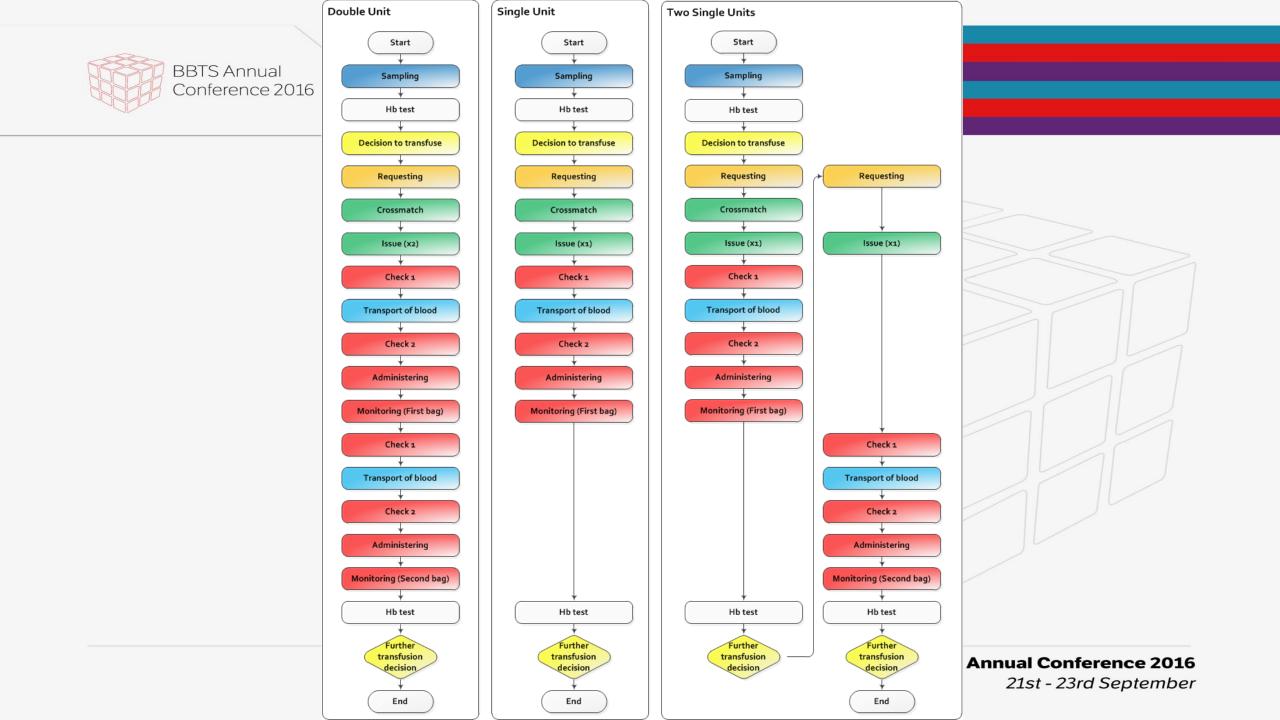
**BBTS** Annual - C -201 0.8-0.6-Proportion Proportion Transfusion type --- double unit ---- single unit 0.2-0.0-Jul 14 Aug 14 Sep 14 Dec 14 Jan 15 Feb 15 Mar 15 Apr 15 May 15 Month Apr 14 May 14 Jun 14

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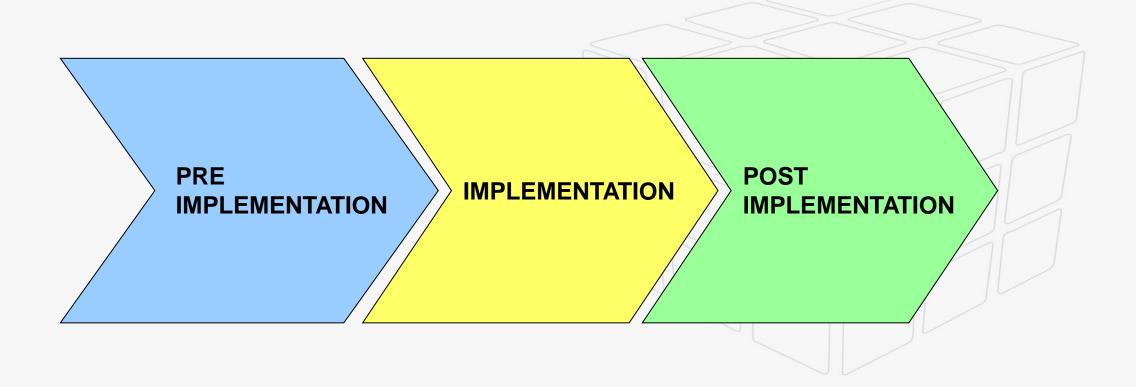




Stage	Mean time (min)	Staff member	Staff cost per Hour (£)	Consumable costs (£)	Total costs (£)
Sampling	10	Allied health professional support worker (band 2)	£24.00	-	£4.00
Transport (sample collection)	5	Administration and estates (band 2)	£24.00	-	£2.00
Hb test	0		-	£1.50	£1.50
Requesting	1.02	Nurse (band 5)	£43.00		£0.73
Crossmatch	34.22	Scientific and professional staff (band 6)	£44.00	-	£25.09
Issue	5.6	Scientific and professional staff (band 6)	£44.00		£4.11
Check 1	2.5	Nurse (band 5)	£43.00	-	£1.79
Transport (unit)	10	Administration and estates (band 2)	£24.00		£4.00
Check 2	2.5	Nurse (band 5)	£43.00	-	£1.79
Administering	5	Nurse (band 5)	£43.00	£120.00	£123.58
Monitoring	20	Nurse (band 5)	£43.00	-	£14.33
Decision to transfuse	0		-	-	-

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