

## Transfusion: Research Questions

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1. What is the clinical and cost effectiveness of oral iron, IV iron and erythropoietin in reducing blood transfusion requirements in surgical patients?
2. What is the clinical and cost-effectiveness of using alternatives to blood transfusion (cell salvage or tranexamic acid) alone or in combination with one another to reduce blood transfusion requirements?
3. What is the clinical and cost effectiveness of red blood cell transfusion at different haemoglobin concentrations?
4. What is the clinical and cost effectiveness of different target levels of post-transfusion haemoglobin concentrations for red blood cell transfusion?
5. What is the clinical and cost effectiveness of different doses of red blood cell transfusion?
6. What is the clinical and cost effectiveness of platelet transfusion at different platelet count thresholds?
7. What is the clinical and cost effectiveness of different target levels of post-transfusion platelet counts?
8. What is the clinical and cost effectiveness of different doses of platelet transfusion?
9. What is the clinical and cost effectiveness of transfusions of fresh frozen plasma (FFP) to treat and prevent bleeding?
10. What is the clinical and cost effectiveness of different target levels of post-transfusion haemostasis tests with the use of fresh frozen plasma FFP for prophylactic transfusions?
11. What is the clinical and cost effectiveness of different doses of fresh frozen plasma (FFP) for transfusion to treat and prevent bleeding?
12. What is the clinical and cost effectiveness of transfusions of cryoprecipitate to treat and prevent bleeding?
13. What is the clinical and cost effectiveness of different target levels of post-transfusion haemostasis tests with the use of cryoprecipitate for prophylactic transfusions?
14. What is the clinical and cost effectiveness of different doses of cryoprecipitate for transfusion?
15. What is the clinical and cost effectiveness of transfusions of prothrombin complex concentrates (PCC) to treat and prevent bleeding?
16. What is the clinical and cost effectiveness of different target levels of post-transfusion haemostasis tests with the use of prothrombin complex concentrates (PCC) for prophylactic transfusions?
17. What is the clinical and cost effectiveness of different doses of prothrombin complex concentrates (PCC) for transfusion?
18. What is the clinical and cost effectiveness of monitoring for acute reactions at different times in relation to the transfusion?
19. What is the clinical and cost effectiveness of electronic decision-support blood order systems to reduce inappropriate blood transfusions?
20. What are the clinical and cost effectiveness of electronic patient identification systems such as patient identification band, bar code or radiofrequency identification (RFID) to ensure patient safety during blood transfusions?
21. What is the information and support patients under consideration for a blood transfusion and their family members or carers would value and how would they prefer to receive it?