

# Blood Transfusion Recommendations: References and Resources

The following references and resources have been used, along with expert clinical consensus building, to create the Don't Misuse My Blood transfusion recommendations.

## AHS Resources

Blood Components and Products Information/Monographs:  
<https://www.albertahealthservices.ca/lab/page3319.aspx>

Plasma Monograph:  
<https://www.albertahealthservices.ca/assets/wf/lab/if-lab-clin-tm-plasma.pdf>

Platelets Monograph:  
<https://www.albertahealthservices.ca/assets/wf/lab/if-lab-clin-tm-platelets.pdf>

Prothrombin Complex Concentrate (PCC) Monograph:  
<https://www.albertahealthservices.ca/assets/wf/lab/wf-lab-clin-tm-pcc-clinreconst-info.pdf>

Red Blood Cells Monograph  
<https://www.albertahealthservices.ca/assets/wf/lab/wf-lab-clin-tm-rbc.pdf>

RiaSTAP™ Fibrinogen Concentrate Monograph:  
<https://www.albertahealthservices.ca/assets/wf/lab/if-lab-clin-tm-riastap.pdf>

## General

Canadian Blood Services- Clinical guide to transfusion:  
<https://professionaleducation.blood.ca/en/transfusion/clinical-guide-transfusion>

Choosing Wisely Canada- Using Blood Wisely:  
[https://usingbloodwisely.ca/wp-content/uploads/2020/07/Guidelines\\_UBWEN.pdf](https://usingbloodwisely.ca/wp-content/uploads/2020/07/Guidelines_UBWEN.pdf)

Patient Blood Management Recommendations From the 2018 Frankfurt Consensus Conference:  
<https://jamanetwork.com/journals/jama/article-abstract/2727453>

Surviving sepsis campaign international guidelines for the management of sepsis and septic shock 2021- Adults and children:  
<https://www.sccm.org/SurvivingSepsisCampaign/Home>

Transfusion strategies in bleeding critically ill adults: a clinical practice guideline from the European Society of Intensive Care Medicine:  
<https://link.springer.com/content/pdf/10.1007/s00134-021-06531-x.pdf>

Transfusion strategies in non-bleeding critically ill adults: a clinical practice guideline from the European Society of Intensive Care Medicine:  
<https://link.springer.com/content/pdf/10.1007/s00134-019-05884-8.pdf>



## Procedures

Society of Interventional Radiology Consensus Guidelines for the Periprocedural Management of Thrombotic and Bleeding Risk in Patients Undergoing Percutaneous Image-Guided Interventions—Part II: Recommendations:  
<https://pubmed.ncbi.nlm.nih.gov/31229333/>

## Product Specific

BJH 2012- Guidelines on the management of anaemia and red cell transfusion in adult critically ill patients: <https://onlinelibrary.wiley.com/doi/epdf/10.1111/bjh.12143>

BJH 2016- Guidelines for the use of platelet transfusions:  
<https://onlinelibrary.wiley.com/doi/epdf/10.1111/bjh.14423>

BJH 2018- British Society of Haematology Guidelines on the spectrum of fresh frozen plasma and cryoprecipitate products: their handling and use in various patient groups in the absence of major bleeding: <https://onlinelibrary.wiley.com/doi/epdf/10.1111/bjh.15167>

NAC Statement on Fibrinogen Concentrate Use in Acquired Hypofibrinogenemia:  
<https://nacblood.ca/sites/default/files/2021-10/2021%20FC%20Statement%20Update20210310.pdf>

Recommendations for use of Prothrombin Complex Concentrates in Canada:  
<https://nacblood.ca/sites/default/files/2022-04/PCC-Recommendations%20Revision%20Feb%202022%20Posted%20April%202022.pdf>

## Cardiac

Restrictive or Liberal Red-Cell Transfusion for Cardiac Surgery:  
<https://www.nejm.org/doi/full/10.1056/nejmoa1711818>

The REALITY Randomized Clinical Trial 2021- Effect of a Restrictive vs Liberal Blood Transfusion Strategy on Major Cardiovascular Events Among Patients With Acute Myocardial Infarction and Anemia: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7873781/>

Transfusion requirements after cardiac surgery: the TRACS randomized controlled trial:  
<https://pubmed.ncbi.nlm.nih.gov/20940381/>

## Vascular

STS/SCA/AmSECT/SABM Update to the Clinical Practice Guidelines on Patient Blood Management: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8220901/>

The Society for Vascular Surgery practice guidelines on the care of patients with an abdominal aortic aneurysm: [https://www.jvascsurg.org/article/S0741-5214\(17\)32369-8/fulltext](https://www.jvascsurg.org/article/S0741-5214(17)32369-8/fulltext)

## Trauma

The European guideline on management of major bleeding and coagulopathy following trauma: fifth edition:  
<https://ccforum.biomedcentral.com/articles/10.1186/s13054-019-2347-3>

## Pediatrics

Alberta Children's Hospital Pediatric Intensive Care Unit Transfusion protocol:  
<https://insite.albertahealthservices.ca/Main/assets/tms/picuc/tms-picuc-physician-transfusion-threshold-guideline.pdf>

Network for the Advancement of Patient Blood Management, Haemostasis and Thrombosis 2019:  
[https://www.icvaonline.com/article/S1053-0770\(19\)30296-4/fulltext](https://www.icvaonline.com/article/S1053-0770(19)30296-4/fulltext) *Pediatric Critical Care*

Transfusion and Anemia Expertise Initiative 2018:  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6121734/pdf/nihms966893.pdf>  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6126360/pdf/nihms966883.pdf>  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6125789/pdf/nihms966945.pdf>

Pediatric Critical Care Transfusion and Anemia Expertise Initiative 2022:  
<https://pubmed.ncbi.nlm.nih.gov/34989711/>

Pediatric Acute Respiratory Distress Syndrome: Consensus Recommendations From the Pediatric Acute Lung Injury Consensus Conference:  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5253180/pdf/nihms840146.pdf>

## Clinically Significant Bleeding Definition

Re-evaluating the Inhibition of Stress Erosions (REVISE): a protocol for pilot randomized controlled trial:  
<https://classic.clinicaltrials.gov/ct2/show/NCT03374800>

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6074211/>