



5 Things to know about Transfusion at Holland Centre

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#1. Transfusion is uncommon at Holland

- On average, the Holland Centre transfuses less than 10 RBCs per month. Typically this occurs in the postoperative setting.



Date: 12/1/2021 to 10/31/2021

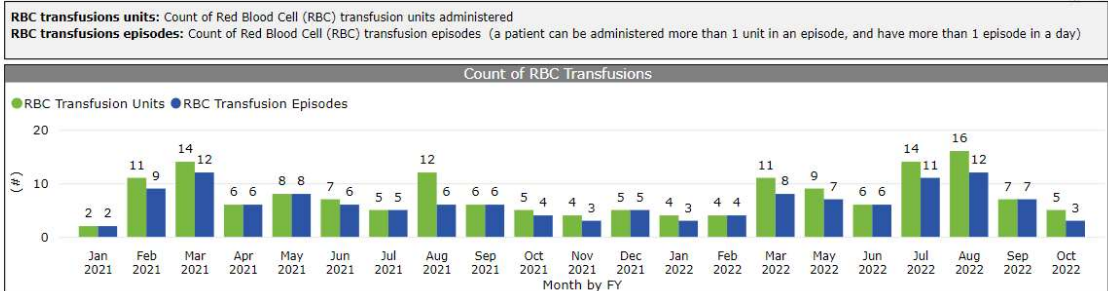
Nursing Unit: Multiple selections

Patient Service: All

MRP at Issue: All

Using Blood Wisely: Total & Single Unit RBC Transfusions

As of: 10/31/2022





#2. Most patients at Holland do not require a G&S

- Patients for primary joint replacement do NOT require a routine preoperative G&S due to the low transfusion rates
 - Primary total knee replacement: transfusion rate 0% (July 2021 – June 2022)
 - Primary total hip replacement: transfusion rate 1% (July 2021 – June 2022)
 - Revision TKR: 3% (July 2021 – June 2022)
- As per the MSBOS, patients with a transfusion 10-30% require an indate G&S
 - Revision THR: 10% (July 2021 – June 2022)
- If you suspect that a patient has a high likelihood of transfusion (severe preoperative anemia, coagulation problems), order a G&S preoperatively
- Reference: Maximum Surgical Blood Order Schedule (MSBOS): <https://sunnynet.ca/default.aspx?cid=108157>

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#3. RBCs are available at Holland

- The Holland centre has red blood cells (RBCs) only on site
- The HaemoBank has group specific blood for fridge eligible patients
 - Fridge eligible patients are patients with an indate G&S and confirmatory sample (historical or 2nd sample) with no history of antibodies
 - If you are unsure if your patient is fridge eligible, please contact the blood bank in advance of surgery
- There is an emergency stock of 2 O negative uncrossmatched RBCs (see slide #5)
- The blood bank does not have any other products on site.

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#4 What if my patient needs special blood or more blood?

- For patients with special requirements (RBC antibodies or irradiated), RBCs are shipped to Holland Centre in advance of surgery.
- For patients needing other blood components or products, these products are shipped to Holland Centre in advance of surgery.



#5. What if there is an emergency bleed?

- There is an emergency stock of 2 O negative uncrossmatched RBCs on site
- In these cases,
 - Mon – Fri 8am – 3pm: there is a blood bank technologist on site to help access units
 - Outside these hours: the nurse coordinators have been trained to access the emergency uncrossmatched blood
- If the patient requires more blood, consideration should be given for the patient to be transferred for definitive care.

For more information, please contact

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