

The IG Stewardship Program is rolling out an updated order set on March 25th, 2025, incorporating key stakeholder feedback. These updates are designed to enhance ease of use while ensuring the optimal and appropriate use of intravenous immune globulin, a costly and limited resource.

Supporting documents and reference materials for the updated ADULT IVIG Order Set

1. SHA CS-OS-1911 Adult Intravenous Immune Globulin Order Set
2. SHA Blood Products: Monographs and Resources: Intravenous Immunoglobulin, 10% and Intravenous Immunoglobulin Solvent Detergent Treated, 5%
3. Criteria for the Clinical Use of Immune Globulin (Second Edition February 2022)
4. IVIG Adjusted Body Weight (ABW) Dosing Calculator
5. WS – TML Screening of Inpatient and Urgent Outpatient Adult Intravenous Immune Globulin Order Sets
6. ADULT Inpatient and Urgent IVIG POS Process Map

Key things on the Order Set to note prior to Screening and Approval

- Specification of IVIG product: 10% IVIG or 5% IVIG
- 3. Lab investigations now has space to provide ABO
- 5. Adjusted Body Weight (ABW) Calculation (select option A or B)
 - Option A is authorization for the IG Stewardship Program to calculate ABW and total dose
 - Option B prescriber calculates ABW and total dose
- 6. Toxic Shock Syndrome IVIG Dose
- 7. Tapering IVIG Dose
- 8. Medication: A. Pre-Infusion Medications now has Preventative Infusion Measures for IVIG Reactions
- Screening and Approval to be completed by the IG Nurse Navigator or TML revised

Adjusted Body Weight (ABW) Calculation (select option A or B)

1. What needs to be completed by prescriber if option A is selected?

- Prescriber initials must be completed
- Induction dose: ___ g/kg; divided over ___ days
- Maintenance dose: ___ g/kg; divided over ___ days
Repeat every ___ weeks for ___ cycles

Note: Prescriber may request only an induction dose, only a maintenance dose or both.

2. Is Authorization for the IG Stewardship Program to calculate dose within MLT scope of practice?

- The IG Stewardship Program reached out to the SSMLT to confirm the transfer of function is within the MLT scope of practice.

3. Where do I put the calculated doses in option A?

- The screening and approval to be completed by the IG Nurse Navigator or TML box has a space called: *Induction Dose ___ g; over ___ days and Maintenance Dose ___ g; over ___ days* along with *Approved for ___ cycles.*

4. What to do with the calculated doses for option B?

- The screening and approval to be completed by the IG Nurse Navigator or TML box has a space called: *Induction Dose ___ g; over ___ days and Maintenance Dose ___ g; over ___ days* along with *Approved for ___ cycles.*
- The screening and approval to be completed by the IG Nurse Navigator or TML box has a space called: *If required, total dose adjusted to ___g* to indicate a dose adjustment occurred.

5. What happens in the event the patient height is less than 152.4 cm?

- Use the minimum height of 152.4 cm with the patient current weight in the Adjusted Body Weight Calculator to calculate an Adjusted Body Weight (Dosing Weight) and Dose for patient.

New IVIG Dosing Sections**1. Why is the Toxic Shock Syndrome IVIG Dose included?**

- Feedback from key stakeholders indicated Toxic Shock Dosing Schedule difficult to communicate, new section created for ease of user.

2. How do I confirm the Tapering IVIG Dose if the g/kg ordered is not found in the calculator?

- If the gram/kg requested on the Order Set is not within the ABW calculator take the Adjusted Body Weight and multiply by the gram/kg requested. This number will need to be rounded to the nearest 5 g.
 - Example: ABW = 52.3 kg dose requested is 0.7 g/kg
 $0.7 \text{ g/kg} \times 52.3 \text{ kg} = 36.61 \text{ g}$
Rounded Dose = 35 g

IVIG Dose Questions**1. Can I call the IG Stewardship Program Nurse Navigators for help?**

- The IG Stewardship Program Nurse Navigators are available Monday to Friday 0800 to 1630, except statutory holidays by phone 306-766-3135 or email igstewardshipprogram@saskhealthauthority.ca please do not hesitate to reach out.

2. How do I contact TMP on call?

- Contact TMP on call by calling switchboard at Royal University Hospital in Saskatoon 306-655-1000 and asking for the Transfusion Medicine Physician on call.

3. When do I contact TMP on call?

- For clarification of the Diagnosis/Indication if not found within the Criteria for the Clinical Use of Immune Globulin (Second Edition, February 2022).
- If the dose ordered does not match the Criteria for the Clinical Use of Immunoglobulin (Second Edition, February 2022) or the dose requested dose not match the Alberta Health Services Calculator contact TMP on call.
- All 5% IVIG Order request require TMP approval.
- For all IVIG orders: if the patient has received IVIG within the past 30 days, consult the TMP on call to determine the need for the new IVIG order set.
- If the patient is pregnant.
- If option A has been selected but no prescriber initial included or dose in g/kg identified.
- Any ADULT IVIG Order Set with a dose of 100g or more requested to be infused in a single 24 hour period.
- If, after one call to clarify an order set the with nursing/patient care unit, the issue remains unresolved, reach out to TMP.

4. Why are we rounding to nearest 5g?

- The Alberta Health Services Adjusted Body Weight Calculator will round all IVIG doses to the nearest 5 grams. This is to reduce wastage of IVIG according to available vial sizes.
- In the event the requested total dose for inpatient orders does not match the rounded dose to the nearest 5 grams within the Adjusted Body Weight Calculator reach out to the nursing/patient care unit for clarification.
- In the event the g/kg requested is not found within the Alberta Health Services calculator round to the nearest 5 grams. *Example: 36.3g rounds to 35g; 38.4g rounds to 40g.*

5. How to divide an IVIG dose over x days?

- Divide the IVIG dose over the prescribed number of days, considering available vial sizes. The dose does not have to be divided equally each day and can be divided in any manner to prevent wastage.
Note: a difference of 5 – 10 g between days is acceptable and does not pose a safety concern.

How to Complete Screening and Approval to be completed by IG Nurse Navigator or TML

SCREENING AND APPROVAL TO BE COMPLETED BY IG NURSE NAVIGATOR OR TML	
<input type="checkbox"/> IV Immunoglobulin, 10% OR <input type="checkbox"/> IV Immunoglobulin, 5% (<input type="checkbox"/> TMP approval confirmed)	
<input type="checkbox"/> Specific IG Brand Requested (if applicable): _____	
<input type="checkbox"/> Calculated ABW _____ kg	<input type="checkbox"/> If required, total dose adjusted to _____ g
<input type="checkbox"/> Induction Dose _____ g; over ___ days	<input type="checkbox"/> TMP Consulted (Name) _____
<input type="checkbox"/> Maintenance Dose _____ g; over ___ days	Date Blood Consent Obtained: _____
<input type="checkbox"/> Approved for _____ cycles	Infusion Site/Facility: _____
	Estimated Start Date of POS: _____
IG NN/Tech Signature: _____	Date: _____

Step 1: Type and Brand

- Confirm type of IV Immunoglobulin noting 5% requires TMP approval.
- Complete Specific IG Brand Requested if applicable. If not applicable write N/A.

Step 2: Adjusted Body Weight

- Document the Calculated ABW regardless of whether option A or option B has been selected in **5. Adjusted Body Weight (ABW) Calculation**.

Step 3: IVIG Dosing

1. Calculate the Induction Dose using the ABW calculator if applicable and fill in the total grams ordered; over _____ days. Ensure the dose is rounded to the nearest 5g per ABW calculator. If no Induction Dose requested write N/A.
2. Calculate the Maintenance Dose using the ABW calculator if applicable and fill in the total grams ordered; over _____ days. Ensure the dose is rounded to the nearest 5g per ABW calculator. If no Maintenance Dose requested write N/A.
3. Complete the number of cycles approved.
4. Ensure any doses which have been changed in section **5. Adjusted Body Weight (ABW) Calculation** option B (either through rounding, prescriber clarification through nursing unit or TMP request) are written into the “If required, total dose adjusted to:”
5. If TM Physician has been consulted include the name of the TMP.

Step 4: IG NN/Tech Signature and Date

- Sign the IG NN/Tech Signature line and Date.

POS approval Final Step (fax to nursing unit and IG NN)

1. What do I do once an order set is approved

- Fax or email the completed and approved order set to the IG Stewardship Program.
- Fax the requesting nursing/patient care unit the approved order set for infusion.

Other IVIG Order Set Questions

1. Who can Screen and Approve IVIG order set?

- Medical Lab Technologist

- IG Stewardship Program Nurse Navigators

2. What do I do if all pages are not signed?

- Reach out to the nursing/patient care unit to complete the missing information.

3. When does an IVIG order set expire?

- Induction Dose Expiry: once dose provided.
- Maintenance Dose Expiry: The order set shall expire either 6 months (maximum for initial requests) or 12 months (maximum for renewal request) from the *estimated start date of POS* in the Screening and Approval to be completed by IG Nurse Navigator or TML box.
 - For renewal requests any cycles not completed within the maximum time frame of 12 months from the *estimated start date of POS* will be void.
- All 12 month IVIG requests required IG Stewardship Program Physician approval.

4. What do we do when the IVIG Product Request does not match the IVIG order set?

- Reach out to the Patient Care Unit to clarify the dose requested on the IVIG Product Request.

5. What if an outdated version of the order set is received?

- If an outdated order set is used, guide the prescribing physician or Patient Care Unit to use the current approved order set.