

Interprovincial Organ Sharing (IPOS) of Kidneys Pediatric Program Expansion Information Sheet

Updates to recipient eligibility and HLA matching policies include expansion of eligibility criteria for pediatric patient groups, aimed at increasing their likelihood of receiving a transplant.

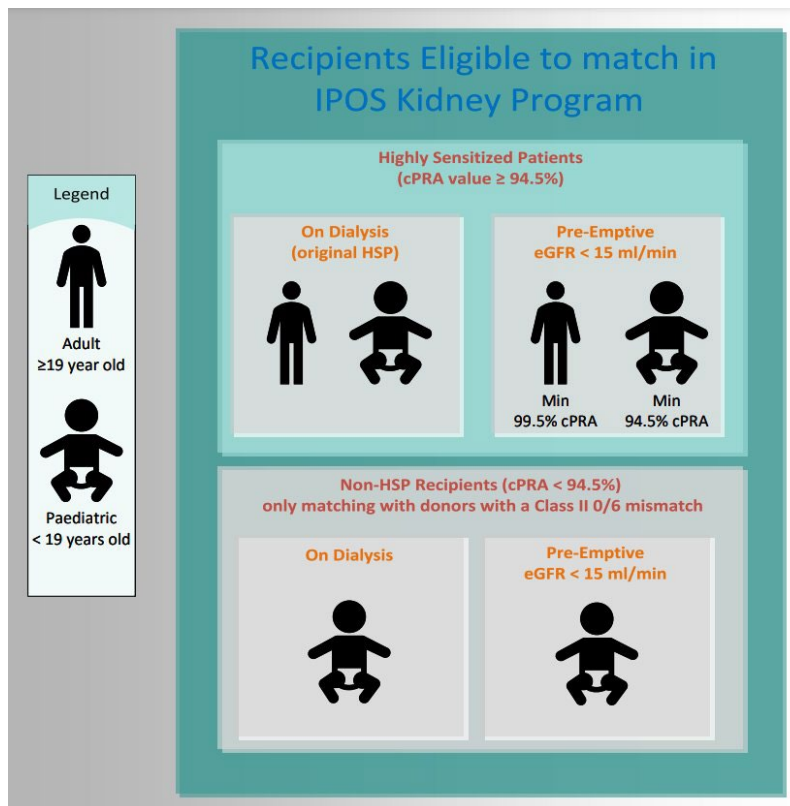
While the current eligibility criteria remain in place for all patients, additional criteria will impact participation for pediatric patients with a cPRA of <94.5% for Class II (DRB1, DQA and DQB loci) 0/6 mismatch offers and may enable the participation of pre-emptive patients.

Please refer to IPOS kidney policies CTR.50.001 - Recipient Eligibility Criteria and CTR.50.003 Matching and Ranking posted [here](#)

Pediatric Recipient Eligibility Criteria

To be registered for interprovincial kidney sharing, a pediatric transplant recipient must meet **ALL** the following criteria unless the recipient meets criteria under the “OR” category:

- The patient must be under 19 years of age. A patient is considered pediatric up until 00:00 (Pacific Time) on their 19th birthday.
- The patient must have an unadjusted cPRA value $\geq 94.5\%$
 - OR: The pediatric patient may be listed with a cPRA $< 94.5\%$ only if they are looking for a **Class II (DRB1, DQA and DQB) 0/6 mismatch offer**.
- The patient must be undergoing chronic hemodialysis or peritoneal dialysis.
 - OR: Pediatric patients may be listed **pre-emptively** if their eGFR is < 15 ml/min/1.73m², using revised bedside Schwartz formula, on 2 consecutive measurements at least 2 months apart.
 - The patient’s eligibility should be reviewed every 3 months.
 - Note: Pediatric patients are ineligible pre-emptively if they have an approved compatible living kidney donor.
- The patient must be wait-listed for a kidney transplant at a Canadian transplant center.



A **paediatric patient** is eligible to participate in the IPOS kidney program in 4 different cases in addition to meeting all other eligibility requirements detailed in CTR.50.001 policy.

- 1) **Patient is on dialysis** and has a cPRA $\geq 94.5\%$
- 2) **Patient is pre-emptive** with a eGFR of $<15\text{ ml/min}/1.73\text{m}^2$ and has cPRA of $\geq 94.5\%$
- 3) **Patient is on dialysis** has a cPRA of $<94.5\%$, only matching with a class II 0/6 mismatch.
- 4) **Patient is pre-emptive** has a cPRA of $<94.5\%$, only matching with a class II 0/6 mismatch

Reminders for Transplant programs

- Please note transplant programs are responsible for ensuring all eligible paediatric patients are listed in the Canadian Transplant Registry.
- The CTR checks for paediatric age nightly at 12 AM PT, at midnight of the patient's 19th birthday. They would age out and lose eligibility or remain eligible for the registry as an adult. If the meet criteria as an adult.



- For a **recipient listing** to be complete the following minimum data is required:
 - An active Kidney organ request for the Deceased Waitlist (IPOS) program
 - Their blood group (ABO) is defined
 - Their HLA Typing is entered and complete
 - At least one HLA Serum result is entered, and the cumulative cPRA data is confirmed.
- In addition to the above please fill out the **Kidney health tab information** and check the box to select whether your patient is currently on **dialysis, or pre-emptive**.
- If/when the patient previously listed at pre-emptive starts dialysis, the status will have to be changed by the transplant program as soon as possible, the CTR will calculate days on dialysis from that point.
- While an **eGFR** of <15 ml/min/1.73m² is a requirement as per policy, the CTR does not require this field to be filled or validate this value. To enter in the **eGFR**, click on the **Health tab -> Test and Diagnostic section -> Renal Profile** for eGFR-Schwartz for Pediatric
- Reminder to confirm requirements to be listed against most current policy documents posted on the CBS professional education site.
- Matches are made using the following **donor criteria filters** under the **Registration/Activation tab**:

Usage of donor acceptance criteria filters will limit the number of donors which could possibly match.

Hard filters which will not allow donors with these flags in the recipient matching:

- i. Accept Incompatible ABO (default NO)

Soft filters which can be changed to set donor criteria preferences, but matches will still include donors with these criteria with a flag to indicate filter:

- ii. Cross Match Required
- iii. Min/Max. Donor Weight (kg)
- iv. Min/Max. Donor Height (cm)
- v. Local Donor Only

Conditional filters which can be set to limit the possible donors the recipient will be matched with:

- vi. Accept Hepatitis B Core Antibody Positive Donor (default NO - will not match if donor is positive and recipient not willing to accept positive donor)

- vii. Accept Hepatitis C Positive Donor (*default NO - will not match if donor is positive*)
 - viii. Accept DCD (default YES)
 - ix. Max/Min Donor Age
- The **HSP Wait-time calculator** found [here](#) is a tool that models the time a patient could potentially wait for an offer. If the criteria in the calculator is set to seeking a class II offer, this could help inform the transplant physician of an estimated wait time calculation for a potential better match for their patient.

Reminders for Organ Donation Organization

- Note to donor coordinators that in the offers tab and side by side report, **non-HSP pediatric patients who are matched with donors at a class II 0/6 mismatch may now appear**. There will be no flag in the CTR to depict this is a Class II 0/6 mismatch offer. Please review the non-HSP pediatric recipient eligibility criteria.
- In the offers tab and side by side report, **adult and pediatric patients who are pre-emptive may appear**. Please review the non-HSP pediatric recipient eligibility criteria in the policy linked on page one CTR.50.001 to familiarize with these updates.