

<b>Program</b>	<b>Interprovincial Organ Sharing: Kidney</b>
<b>Title</b>	<b>CTR.50.001 - Recipient Eligibility Criteria</b>
<b>Version (Date)</b>	V1.5 (2024-10-10)
<b>Policy Sponsor</b>	Acting Director OTDT, Peggy John
<b>Committee Review</b>	KTAAC, NHLAAC, DTAAC
<b>Committee Endorsement</b>	KTAAC, NHLAAC, DTAAC
<b>Provincial/Territorial Sign-Off</b>	Complete
<b>Effective Date</b>	2024-12-04

### KIDNEY RECIPIENT ELIGIBILITY CRITERIA: A CLINICAL GUIDELINE

#### Purpose

The Canadian Transplant Registry (CTR) identifies transplant opportunities for patients who are waiting for a kidney transplant and who are pediatric or highly sensitized to Human Leukocyte Antigens (HLA). This document describes the recipient eligibility requirements for participating in interprovincial kidney sharing.

#### Policy

##### 1.0 ADULT TRANSPLANT RECIPIENT Eligibility Criteria

To be registered for interprovincial kidney sharing, an adult transplant recipient must meet the following criteria:

- 1.1 The patient must be 19 years of age or older. A patient is considered an adult at 00:00 (Pacific Time) on their 19th birthday.
- 1.2 The patient must have an unadjusted cPRA value  $\geq 94.5\%$
- 1.3 The patient must be undergoing chronic hemodialysis or peritoneal dialysis.
  - 1.3.1 OR: A patient may be listed pre-emptively if their unadjusted cPRA is  $\geq 99.5\%$  and if their eGFR is  $<15$  ml/min/1.73m<sup>2</sup> using CKD-EPI 2021 formula.
- 1.4 The patient must be wait-listed for a kidney transplant at a Canadian transplant centre.

##### 2.0 PEDIATRIC TRANSPLANT RECIPIENT Eligibility Criteria

To be registered for interprovincial kidney sharing, a pediatric transplant recipient must meet the following criteria:

- 2.1 The patient must be under 19 years of age. A patient is considered pediatric up until 00:00 (Pacific Time) on their 19th birthday.

2.2 The patient must have an unadjusted cPRA value  $\geq 94.5\%$

2.2.1 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.

2.3 The patient must be undergoing chronic hemodialysis or peritoneal dialysis.

2.3.1 OR: Pediatric patients may be listed pre-emptively if their eGFR is  $< 15$  ml/min/1.73m<sup>2</sup>, using revised bedside Schwartz formula, on 2 consecutive measurements at least 2 months apart.

2.3.1.1 The patient's eligibility should be reviewed every 3 months.

2.3.1.2 Note: Pediatric patients are ineligible pre-emptively if they have an approved compatible living kidney donor.

2.4 The patient must be wait-listed for a kidney transplant at a Canadian transplant center.

### 3.0 Citizenship and Residency Requirements

In addition to 1.0 and 2.0 Recipient Eligibility Criteria, the recipient must be:

3.1 A Canadian citizen or permanent resident who is eligible under a provincial, territorial or federal health insurance program;

3.2 A foreign citizen who is covered under a provincial, territorial, or federal health insurance program while residing in Canada (e.g. Temporary Foreign Workers, Refugees, Foreign Diplomats, International Students);

3.3 A foreign citizen who is legally residing in Canada and has private insurance coverage (e.g. tourist in an emergency situation, International Students, Foreign Diplomats)

3.3.1 Such cases would be at the discretion of the local program, and handled on a case-by-case basis

### 4.0 Participation in International Registries

4.1 Canadian citizens and permanent residents who have received approval by their respective provincial or territorial government for out-of-country health services specific to participating in an international registry, are also eligible to be registered in the CTR.

4.1.1 The international registry listing should be noted in the individual's record. If the individual is identified for transplant through a foreign registry, they must be immediately inactivated in the CTR.

Version History		
Version	Date	Comments /Changes
V1.5	2024-10-10	<ol style="list-style-type: none"> <li>1. Minor edits &amp; formatting</li> <li>2. Inserted time when pediatric patient would age out from eligibility as a pediatric patient</li> <li>3. Schwartz formula specification for eGFR in pre-emptive pediatric patient</li> <li>4. Added word pre-emptively to specify pediatric patients who meet eGFR requirements</li> <li>5. Added CKD-EPI 2021 formula for Pre-emptive adult patient eGFR</li> <li>6. Change in eGFR criteria for adult pre-emptive patients from &lt;10 ml/min/1.73m<sup>2</sup> or equal or higher than 10 ml/min/1.73m<sup>2</sup> with symptoms to &lt;15 ml/min/1.73m<sup>2</sup> with symptoms.</li> <li>7. Added loci specification (DRB1, DQA and DQB) for Class II 0/6 mismatch</li> <li>8. Separated Pediatric and Adult recipient eligibility criteria for more clarity</li> <li>9. Removal of specification there is no minimum or maximum age criterion,</li> </ol>
V1.4	2020-12-08	Revision to address inclusion of pediatric recipients in interprovincial kidney sharing and change to 1 decimal place for cPRA
V1.3	2014-05-23	1.4 "The recipient must be at least 6 years of age. There is no maximum age eligibility criterion" changed to "There is no minimum or maximum age criterion"
V1.2	2013-04-01	Minor edits
V1.1	2012-10-09	Minor edits & formatting
V1.0	2012-06	Presented to ODTEAC
V1.0	2012-03-30	Original version

References
NKRAC Meeting Minutes, 2010-10-7,8 (LDPE Eligibility review)
NKRAC Meeting Minutes, 2011-10-14
NKRAC Meeting Minutes 2012-04-13

ODTEAC June 2012 Minutes

ODTEAC January 2013 Minutes

Canadian Highly Sensitized Patient and Living Donor Paired Exchange Registries: Task Force Discussion Document (October 2005)

Assessment and Management of Immunologic Risk in Transplantation. A Canadian Council for Donation and Transplantation Consensus Forum Report and Recommendations (January 2005)

Kidney Allocation in Canada: A Canadian Forum Report and Recommendations (February 2007) KTAC 2019 F2F RoDD and HLA F2F