

Canadian Transplant Registry

Version Changes

2025-09-03 – Release Notes 5.6.12 (5.6.12.13)

This document contains all version changes from 5.6.11.0 to 5.6.12.13.

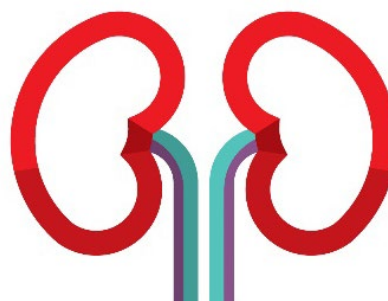
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Canadian Transplant Registry Overview

Canadian Blood Services works with the Organ and Tissue Donation and Transplantation (OTDT) community across the country to facilitate interprovincial organ sharing and to improve national system performance through the development of leading practices, professional education, public awareness, and data analysis and reporting.



The Canadian Transplant Registry (CTR) is an innovative technology that generates value in terms of quality, safety and efficiency through its capabilities for supporting all donors, candidate listing, offer management, allocation and pre- and post-transplant data. CTR is a national web-based computer program that supports Canada's national programs (such as Kidney Paired Donation, Highly Sensitized Patients, and National Organ Waitlist), and is used for linking the national recipient waitlist with actual organ donors. CTR provides timely access to high quality organ donation and transplantation information for patient care, system management, and accountability.

CTR features:

- Advanced capabilities for allocating living and deceased donor organs and for generating the important data needed to improve transplant system performance
- Improved access to transplants for highly sensitized patients
- Increased effectiveness and efficiency of national organ sharing programs for living donors and for patients who are critically ill
- State of the art, high quality human leukocyte antigen typing and antibody analysis, that is the most comprehensive of any matching system in the world – leading to more successful transplantation and less rejection
- Real-time information sharing and file uploads to facilitate the decision-making process and create efficiency by eliminating faxes and phone calls
- Can be used on any device – computer, tablet, even mobile phone
- With more than 400 users from coast to coast, CTR currently supports Canada's national programs – Kidney Paired Donation, Highly Sensitized Patients and National Organ Waitlist



Use of this Change Document



These release notes assume that the user has valid access to CTR to perform the required functions of their role. To receive the proper level of access, a request may be made through Customer Support.

CTR currently has 14 User Acceptance Testing (UAT) environments available in addition to the main CTR Production environment. For information regarding these environments, please consult our [Canadian Transplant Registry Release Preparation Board](#). Information about these environments, relevant links, as well as the Canadian Transplant Registry Integration Guide and other documents may be found there.

Change Document Format

The release notes / list of changes contained in this document will be broken down into key sections:

- A recap or link to the changes introduced in the previous release to the production environment
- New changes contained broken down by Fixes, Improvements, and New Features
- A high-level plan of changes to come in the following release

The format for each change introduced will be outlined as follows:

Release Version ¹	Reference ²	Category ³
5.2	CTRII-8752	Feature
Feature Title ⁴		
Enhancement to the Domino Chain - End Offer Recipient Assignment		

5	Interface	Web Browser Interface
	Web Service Endpoint	N/A
	Web Service Method	N/A
	Program ⁶	Kidney Paired Donation
	Patient ⁷	All
	Section ⁸	Match Run / Offer Management

Description: ⁹

Functionality available to a Kidney Paired Donation (KPD) Program Administrator, which allows them the ability to identify potential recipient candidates from the Deceased Waitlist Program, based on a KPD donor.

This functionality is extended to allow finding and assigning potential recipients to the end-offer in a domino chain.

Legend

1. Version of CTR in which the change has been applied.
2. Internal CTR reference number. May be used when communicating with CTR regarding the change.
3. Type of change introduced, broken into three categories: Fixes, Improvements, and (New) Features.
4. For new features, a short description of the change.
5. The area that is affected by the change. Web Browser Interface (UI), or Web Services / API. For Web Service changes, the affected endpoints and methods will also be outlined.
6. The CTR program being updated.
7. The patient in CTR affected by the change – Donor, Recipient, or All.
8. The section in CTR affected by the change.
9. A plain language description of the change. This area may also contain references to other internal CTR IDs that are associated with the change. Where applicable, screenshots or diagrams of the updates may be included to support the description.

Previous Production Updates

Recap of CTR Version 5.6.11.0 Changes (2025-05-01)

Content updates (No impact to webservice partners):

1. KPD Program – Match Filter Criteria updates
 - a. For the KPD Program, in recipient records under the 'MATCH FILTER CRITERIA' drop-down options in the 'Maximum Donor Age' have been expanded to include "70" and "75".
2. DWL / KPD Consent
 - a. Fix – An update to correct an issue with uploading of attachments
3. IPOS Kidney
 - a. Fix – Corrected an issue with paediatric eligible patients without Dialysis details showing a null exception when displaying allocation results
4. KPD Program
 - a. Fix – Corrected an issue with users unable to reassign Unconsented Recipient in Offer
5. General
 - a. Fix – An error encountered when Linking Patient Records has been corrected
6. National Organ Waitlist
 - a. Fix – Improved response time in NOW filtering by using numeric filters
 - b. Fix – Time zone select feature - List Date and MS Change Date display corrected

Upcoming Production Updates

Summary of CTR Version 5.6.12.13 Changes

Content updates:

1. cPRA Calculator
 - a. The Canadian cPRA Calculator and its available REST API have been updated to include support for calculating an ABO-Adjusted cPRA, in addition to existing functionality.
2. CTR Administration
 - a. Internal improvements have been made to an CTR administrative feature used when performing system-wide reevaluations of patient eligibility.
3. Organ Offers
 - a. getOfferDonorInfo - the XSD associated with the CTR3 endpoint WSDL has an update to the argument definition to identify arg0 as nullable.
 - b. Extending functionality of getOfferDonorInfo with a new web method - getOfferDonorInfoV2. This new web method accepts the donor's date of birth as an input. When the donor's date of birth is provided, it will be used for validation, to ensure Date of Birth is the same as the donor associated with the Offer ID and/or Donor ID. It will also identify arg0 as nullable.
4. National Organ Waitlist
 - a. An issue with List Date and MS Change Date filters has been corrected.

CTR Version 5.6.12.13 Release Candidate

Canadian cPRA Calculator

Release Version	Reference	Category
5.6.12	CTR11-10183	Application Update
Title		
Canadian cPRA Calculator – add support for ABO-Adjusted cPRA calculations		

Interface	Web Browser Interface and Web Services / REST API
Web Service Endpoint	REST API
Web Service Method	cpracalculation
Program	N/A
Patient	Recipient
Section	Canadian cPRA Calculator

Description:

The Canadian cPRA Calculator and its available REST API have been updated to include support for calculating an ABO-Adjusted cPRA, in addition to existing functionality.

The Canadian Transplant Registry (CTR) has also had its cPRA configuration updated to support ABO-Adjusted cPRA calculations. Like other cPRA configuration within CTR, the settings are configurable individually by organ/program.

This configuration update will **not** be enabled at the time of release and has no impact any existing interfaces with the Canadian cPRA Calculator's SOAP API or REST API.

CTR Administration

Release Version	Reference	Category
5.6.12	CTR11-10202	Application Update
Title		
CTR Admin Functionality - Generic Solution to Recalculate/Reevaluate		

Interface	N/A
Web Service Endpoint	N/A
Web Service Method	N/A
Program	N/A
Patient	N/A
Section	CTR Administration Maintenance

Description:

Improvements have been made to an administration feature that is used when performing system-wide reevaluations of patient eligibility.

This change has no impact to functionality, it was only updated for performance reasons.

Organ Offers

Release Version	Reference	Category
5.6.12	CTR11-10089	Application Update
Title		
Update WSDL - getOfferDonorInfo identify arg0 as nullable		

Interface	Web Services / SOAP API
Web Service Endpoint	CTR3
Web Service Method	getOfferDonorInfo2
Program	All
Patient	All
Section	Organ Offers

Description:

This change to the WSDL / XSD does not change data requirements or functionality of this method.

The input **arg0** has always been conditionally optional, but the XSD did not define the value as nullable.

The XSD associated with the CTR3 endpoint WSDL has an update to the argument definition, as shown below:

```
<xs:complexType name="getOfferDonorInfo">
  <xs:sequence>
    <xs:element name="arg0" type="xs:long" nillable="true" minOccurs="0"/>
    <xs:element name="arg1" type="xs:string" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

Release Version	Reference	Category
5.6.12	CTR11-10198	Application Update
Title		
New web service method getOfferDonorInfoV2 - extending functionality of getOfferDonorInfo		

Interface	Web Services / SOAP API
Web Service Endpoint	CTR3
Web Service Method	getOfferDonorInfoV2
Program	All
Patient	All
Section	Organ Offers

Description:

A new web service has been created on the CTR3 endpoint. This new version of getOfferDonorInfo accepts the donor's date of birth as an input argument. When the donor's date of birth is provided, it will be used for validation, to ensure the Date of Birth is the same as the donor associated with the Offer ID and/or Donor ID. This new method will also identify arg0 as nullable as per the update to getOfferDonorInfo. Both the new and old methods will be eligible for use.

Method name: getOfferDonorInfoV2
Method endpoint: CTR3
Input arguments: arg0 (Offer ID)
arg1 (Donor ID)
arg2 (Donor Date of Birth)

Response structure: wsDonorSideInfo

```
<?xml version='1.0' encoding='UTF-8'>
<xsd:complexType name="getOfferDonorInfoResponse">
  <xsd:sequence>
    <xsd:element name="return" type="tns:wsDonorSideInfo" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="wsDonorSideInfo">
  <xsd:sequence>
    <xsd:element name="donorRegistration" type="tns:wsDonorShared" minOccurs="0"/>
    <xsd:element name="lstOffers" type="tns:wsOfferCore" minOccurs="0" maxOccurs="unbounded"/>
    <xsd:element name="donorConsentedOrgans" type="tns:wsConsentedOrgan" minOccurs="0" maxOccurs="unbounded"/>
    <xsd:element name="donorDeath" type="tns:wsDonorDeath" minOccurs="0"/>
    <xsd:element name="exceptDistribution" type="tns:wsDonorExceptionalDistribution" minOccurs="0"/>
    <xsd:element name="medSocialRisks" type="tns:wsMedSocialHistRisk" minOccurs="0" maxOccurs="unbounded"/>
    <xsd:element name="hlaTyping" type="tns:wsHlaTyping" minOccurs="0"/>
    <xsd:element name="serologyResult" type="tns:wsSerologyResult" minOccurs="0" maxOccurs="unbounded"/>
    <xsd:element name="testsDiagsInfo" type="tns:wsTestsDiagsInfo" minOccurs="0"/>
    <xsd:element name="medications" type="tns:wsDonorMedications" minOccurs="0" maxOccurs="unbounded"/>
    <xsd:element name="attachmentsinfo" type="tns:wsAttachmentInfo" minOccurs="0" maxOccurs="unbounded"/>
    <xsd:element name="userComments" type="tns:wsComment" minOccurs="0" maxOccurs="unbounded"/>
  </xsd:sequence>
</xsd:complexType>
```

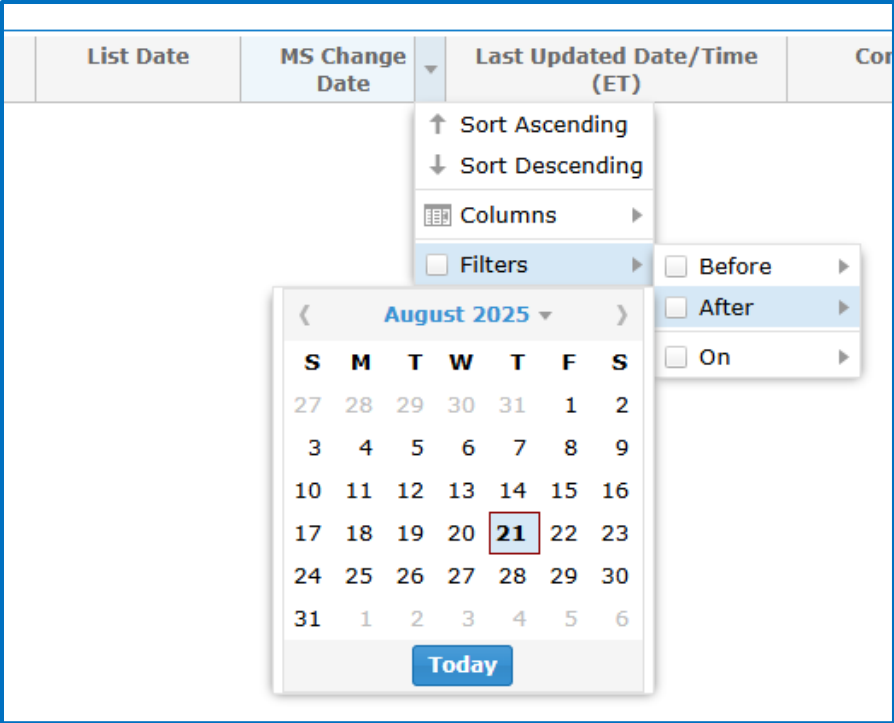
General Improvements and Fixes

Release Version	Reference	Category
5.6.12	CTR11-10199	Fix
Title		
List Date and MS Change Date filters not working		

Interface	Web Browser Interface
Web Service Endpoint	N/A
Web Service Method	N/A
Program	All
Patient	Recipient
Section	National Organ Waitlist

Description:

The National Waitlist **List Date** and **MS Change Date** filters are now working as expected.



CTR Version 5.6.12.13 Known Issues

1. With single decimal precision enabled, when a cPRA calculation ends in a decimal zero, the results returned via webservice may not display the zero. Other decimal values that do not end in zero will be returned with the decimal intact. For example, a cPRA value of 97.7% will be returned as 97.7% whereas a cPRA value of 97.0% may be returned as 97%. This does not affect calculations or ranking. It is a display issue only.
2. **Historical** cPRA serum results will display in the user interface with a decimal zero (87% will now display as 87.0%). This does not affect historical data or accuracy. It is a display issue only.

CTR Version 5.7 (2026)

The scope of CTR 5.7 is currently under consideration.

Customer Support

For assistance with the information contained in this document, please contact our CTR Customer Solutions Team via email at transplantregistry@blood.ca or call 1-855-274-2889.

If you are calling outside of normal office hours, dial '1' to speak to on-call CTR Customer Support personnel.