Canadian Transplant Registry

Version Changes

2026-11-02 – Release Notes 5.9 (5.9.8.5)

This document contains all version changes from 5.8.12.3 to 5.9.8.5.

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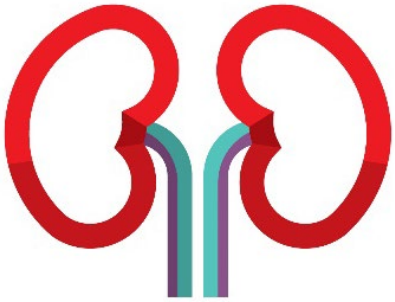
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Canadian Transplant Registry Overview

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		

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

5

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 5.8.12.3 Changes (2026-10-29)

Content updates:

1. General Updates – All Programs
    a. We have updated the application and its supporting components to ensure seamless compatibility with upcoming daylight-saving time (DST) shifts in British Columbia.
    b. We have updated the application and its supporting components to ensure seamless compatibility with upcoming daylight-saving time (DST) shifts in Alberta.
    c. We have updated the application and its supporting components to ensure seamless compatibility with upcoming daylight-saving time (DST) shifts in Manitoba.
    d. To prepare for future data growth, we have updated the application to support an expanded 7-digit numeric format alongside the existing 6-digit format.
2. Deceased Waitlist – Webservices and Web Browser Updates
    a. We have updated business rules to prevent a 4S medical status from being applied to any active or newly generated patient files.
    b. System administrators can now configure and apply unique matching and ranking logic tailored to individual organs.
3. cPRA Calculator Updates
    a. The cPRA Calculation Details view, located within the recipient's HLA section, now includes the ABO-Adjusted cPRA setting.
    b. We have resolved a responsive layout issue affecting input fields on mobile devices and smaller screens.
4. General Updates – Web Browser
    a. Increased the physical width of the pagination field. The current page number will now display fully and clearly when there are 1000 or more pages in the dataset.
    b. We have updated the visibility settings for security challenge question responses. Input fields containing these answers will now default to hidden text.

Upcoming Production Updates

Summary of CTR Version 5.9.8.5 Changes

Content updates:

1. General Updates – All Programs
    a. The application components used to generate all PDF reports have been updated.
    b. The formulas used to calculate eGFR CKD-EPI and eGFR MDRD have been updated. The application will now automatically recalculate these values when associated data is changed after the initial calculation.
    c. The patient profile has been updated to identify when a cPRA Eligibility Override is in effect
2. Deceased Wait List – MELD
    a. The MELD, PELD, and Sodium MELD fields have been consolidated into one field, MELD Score. In addition to the MELD score, other data fields have been added.
    b. Web service methods have been created to support adding, updating, and retrieving all the **Liver Health** fields.

CTR Version 5.9.8.5 Release Candidate

General Updates - All Programs

Release Version	Reference	Category
5.9	CTRII-10389	Application Update
Title		
Updated components used to generate PDF Reports		

Interface	Web Browser Interface
Web Service Endpoint	All
Web Service Method	All
Program	All
Patient	All
Section	All

Description:

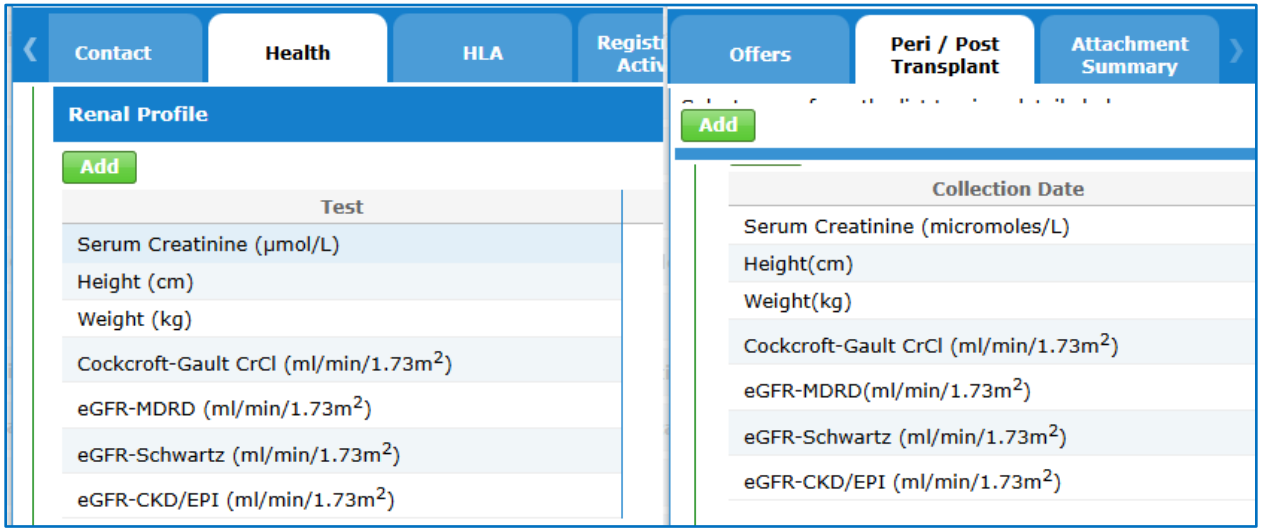
The application components used to generate all PDF reports have been updated. There are no changes to the reports or functionality.

Release Version	Reference	Category
5.9	CTRII-10416	Application Update
Title		
Updates to the eGFR formula		

Interface	Web Browser Interface
Web Service Endpoint	CTR3
Web Service Method	updateRenalProfile, getRenalProfiles
Program	All
Patient	Recipient
Section	Health and Peri/Post Transplant

Description:

The formulas used to calculate **eGFR CKD-EPI** and **eGFR MDRD** have been updated. The application will now **automatically recalculate these values** when associated data, such as Gender or Date of Birth, is changed after the initial calculation.

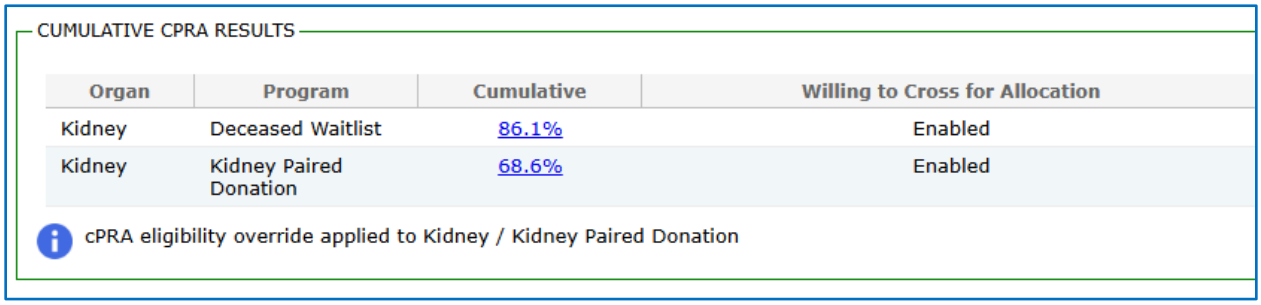


Release Version	Reference	Category
5.9	CTRII-10427	Application Update
Title		
Added cPRA Eligibility Override Indicator to Patient Profile		

Interface	Web Browser Interface
Web Service Endpoint	N/A
Web Service Method	N/A
Program	All
Patient	Recipient
Section	HLA

Description:

An indicator has been added to the patient profile to identify when a **cPRA Eligibility Override** is in effect, providing visibility that the displayed cPRA value has been overridden and the patient may be eligible for certain programs.

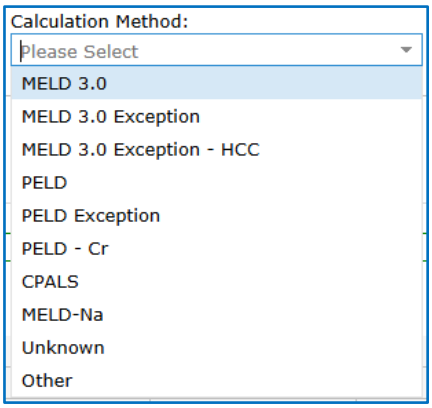


Deceased Wait List - MELD

Release Version	Reference	Category
5.9	CTRII-10423	Application Update
Title		
Updates fields used to capture MELD Calculation and Methods		

Interface	Web Browser Interface and Web Services / SOAP API
Web Service Endpoint	CTR3
Web Service Method	updateRecipientLiverHealth, getRecipientLiverHealth
Program	Deceased Wait List
Patient	Recipient
Section	Health

Description:



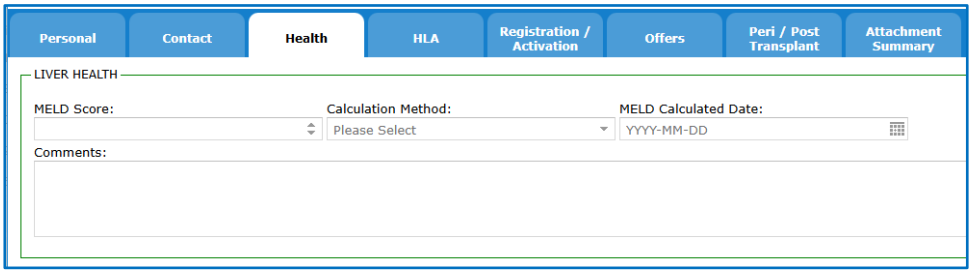
The **Liver Health** section on the Recipient's **Health** tab has been updated. This section will always remain visible, regardless of the patient's organ request. The MELD, PELD, and Sodium MELD fields have been consolidated into one field, **MELD Score**.

In addition to the MELD score, there are fields to capture the calculation method, the calculation data, and an area to provide comments.

Web service methods have been created to support adding, updating, and retrieving all the **Liver Health** fields.

Web service references:

- getRecipientLiverHealth
- updateRecipientLiverHealth
- https://javadocs.otdtcalculators.ca/dev/samples/IExternalHealth/recipientHealth.html



CTR Version 5.9.8.5 Known Issues

1. Using an invalid date when updating the *<mostRecentDialysisStartDate>* value for a recipient in **CTR1** using the *<updateRecipientByNationalRecipientId>* method clears existing value and changes *<onDialysis>* value from true to false. This issue is **not** present when using **CTR2** or **CTR3** methods. As the CTR1 method has not been used in more than a year, and only triggers on an invalid date entry, this issue will not be corrected.

2. With single decimal precision enabled, when a cPRA calculation ends in a decimal zero, the results returned via webservices 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.

3. **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 6.0 (Summer 2027)

The next released version of the CTR will be 6.0.x. The scope 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.