

Type	Canadian Transplant Registry
Program	Inter-provincial Sharing: Heart
Policy Title	Exports & Imports

Policy Number	CTR.10.004
Version (Date)	v1.0
Policy Sponsor	Heart Transplant Advisory Committee (HTAC)
Committee Review	CCTN (2016-10-21), NHLAAC (2017-04-20), DTAAC (2017-08-25), ODTEAC (2017-08-25)
Committee Endorsement	NHLAAC (2017-04-21), DTAAC (2017-10-18), ODTEAC (2017-08-25), CCTN (2017-10-20)
Provincial/Territorial Sign-Off	See Appendix A
Effective Date	2018-02-06

Purpose

The Canadian Transplant Registry (CTR) identifies transplant opportunities across Canada for heart transplant candidates who are highly sensitized to Human Lymphocyte Antigens (HLA) and/or designated as medically urgent (i.e., designated as medical status 4¹). This policy describes the process for tracking the number of hearts shared between provinces under *the Inter-provincial Sharing: Heart* program.

Policy

1. Exports and Imports

1.1 An export is counted once a heart is procured and leaves the donor center with the intent of being shipped to a transplant centre that has accepted the heart, regardless of whether the heart is ultimately transplanted into the designated recipient or another recipient or not transplanted at all.

1.1.1 Export counts are awarded to the province/region of the donor's Organ Donation Organization (ODO).

1.2 An import is counted once a heart is transplanted, regardless of whether the heart is transplanted into the designated recipient or a different recipient.

¹ As defined by the Canadian Cardiac Transplant Network (CCTN).

1.2.1 Import counts are awarded to the province/region of the recipient's Provincial Health Number (PHN).

1.3 If the heart is shipped but not transplanted, the export is counted but the import is *not* counted.

1.3.1 All not transplanted events are reviewed annually at a meeting of representatives from a majority of transplant centres and donation programs/agencies.

2. Inter-Provincial Balances

2.1 The CTR is programmed to provide a real-time balance of inter-provincial heart transfers. A Balancing Report is available on-line in the CTR, or by request to Canadian Blood Services to provide real-time balances and activity by province/region.

2.2 A province/region's inter-provincial balance is the net of all imports less exports since the launch of the *Inter-provincial Sharing: Heart* program.

2.2.1 The province/region are defined below:

Province/Region	Province (s)
Alberta	Alberta, Northwest Territories
Atlantic	New Brunswick, Nova Scotia, Prince Edward Island and Newfoundland and Labrador
British Columbia	British Columbia, Yukon
Manitoba	Manitoba
Ontario	Ontario, Nunavut
Quebec	Quebec
Saskatchewan	Saskatchewan

2.2.2 A positive balance (e.g., +3) indicates a greater number of imports than exports.

2.2.3 A negative balance (e.g., -2) indicates a greater number of exports than imports. (Example: Province A has imported 11 hearts and exported 13 hearts since the launch of *Inter-provincial Sharing: Heart* program. Its balance is -2.)

2.3 Balances are between a province/region and the rest of Canada, not between 2 provinces/regions.

2.3.1 The balance accounts for only those inter-provincial transfers that take place through participation in the *Inter-provincial Sharing: Heart* program. All heart allocations that take place outside the program are not counted.

2.4 To minimize organs being shipped unnecessarily, the matching algorithm for the *Inter-provincial Sharing: Heart* program gives priority to recipients in the same region as the donor.

- 2.4.1 Heart allocations within the same province/region as the donor have no net effect on imports, exports, or balancing, even though it may occur as part of the *Inter-provincial Sharing: Heart* program.

2. Review

This policy is reviewed at the discretion of the Heart Transplant Advisory Committee (HTAC), Donation and Transplantation Administrators Advisory Committee (DTAAC) and the Organ Donation and Transplantation Expert Advisory Committee (ODTEAC).

References
Cardiac Transplantation: Eligibility and Listing Criteria in Canada (2012)

Version History		
Version	Date	Comments /Changes
v1.0	2018-02-06	Original Version

Appendix A – Provincial/Territorial Approvals

Version	Jurisdiction	Clinical Authority			Administrative Authority		
		Name	Title	Date	Name	Title	Date
v1.0	British Columbia	Dr. David Landsberg	Provincial Medical Director	2017-11-24	Edward Ferre	Provincial Operations Director	2017-11-24
v1.0	Edmonton	Dr. Norman Kneteman	Zone Clinical Section Chief Transplant	2017-11-07	Deanna Paulson	Director Transplant	2017-10-30
v1.0	Calgary	Dr. Serdar Yilmaz	Medical Director	2017-12-21	Carol Easton	Executive Director	2017-12-21
v1.0	Saskatchewan	Dr. Ahmed Shoker	Medical Director	2017-11-19	Carol Brown	Director	2017-11-07
v1.0	Manitoba	Dr. Peter Nickerson	Medical Director (TM-GLP)	2017-10-25	Kim Werestuiik	Manager of Patient Care	2017-10-25
v1.0	Ontario	Dr. Jeff Zaltzman	CMO TGLN	2017-11-27	Ronnie Gavsie	CEO TGLN	2017-11-27
v1.0	Québec	Dr. Prosanto Chaudhury	Medical Director – Transplantation	2018-02-05	Louis Beaulieu	General Director – Transplant Quebec	2017-02-06
v1.0	New Brunswick	Dr. Robert Adams	Medical Director NBOTP	2017-11-10	Mary Gatien	Director NBOTP	2017-11-10
v1.0	Nova Scotia	Dr. Miroslaw Rajda	Medical Director	2017-12-06	Brian Butt	Director	2017-12-11
v1.0	Newfoundland	Dr. Sean Connors	Clinical Chief, Cardiac Care	2017-12-12	Cathy Burke	Regional Director of Cardiac Critical Care Program	2017-12-14