



Multi-Organ Transplant Program (MOTP)



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Program (MOTP)



What is (IT) Collaboration?

What is Collaboration?

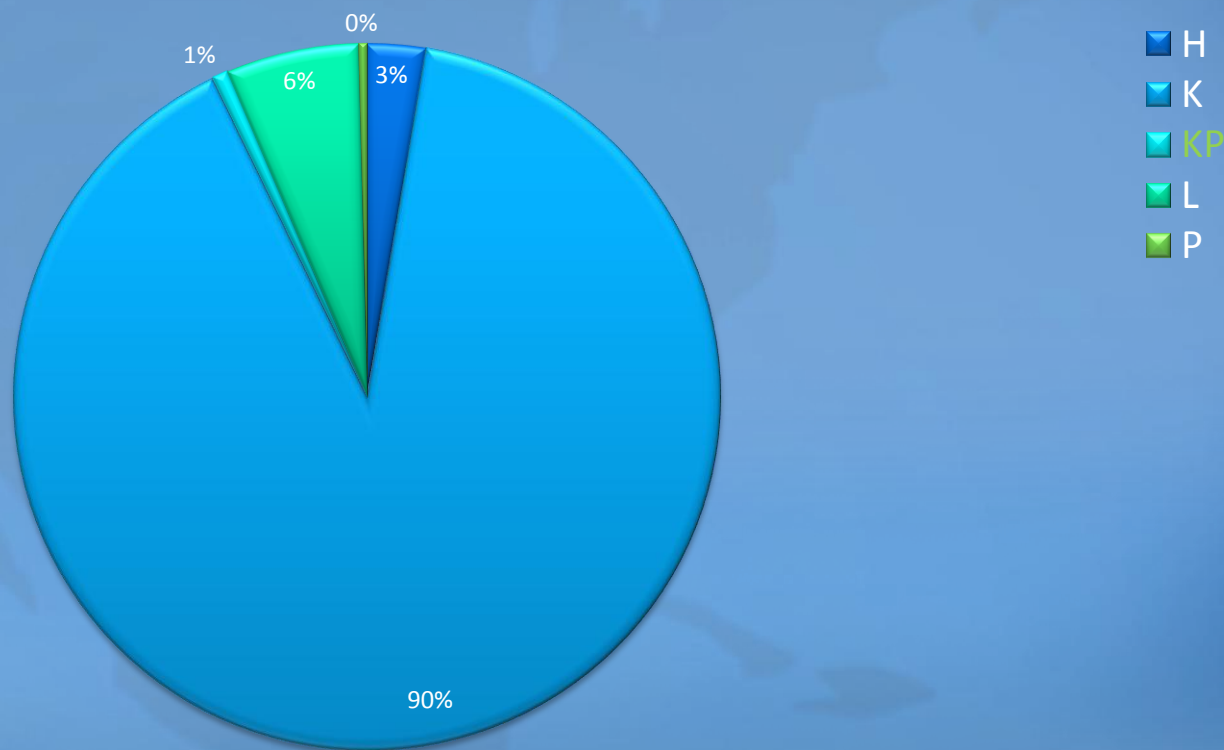
Collaboration is a working practice whereby individuals work together to a common purpose to achieve business benefit.

- Atlantic Canada (internal)
- Canadian Organ Replacement Registry (external)
- Canadian Blood Services (external)



Internal Collaboration Pre-Transplant

% Atlantic Canada Wait Lists by Organ (n=264)



01 Oct 2012



Collaboration Pre-Transplant

Pre Transplant ▾ | Post Transplant ▾ | Tissue Typing ▾ | Deceased Donors ▾ | Live Donors ▾ | Reports ▾ | Smart Match Version 2

- View/Edit/Add Wait List Patients
 - Reports - Heart Coordinators ▶
 - Reports - K/KP Coordinators ▶
 - Reports - Liver Coordinators ▶
 - Reports - On Call Tx Coordinator ▶
 - Mailing Labels ▶
 - Tx Workup Forms/Reports ▶
 - Nurse Practitioner ▶
- Kidney Appointment Letters
 - VG Beds ▶
- ICU
 - VG IMCU Admissions
- Graph Liver Wait List Melds
- Chart Checks ▶
- Summary Sheet Reports

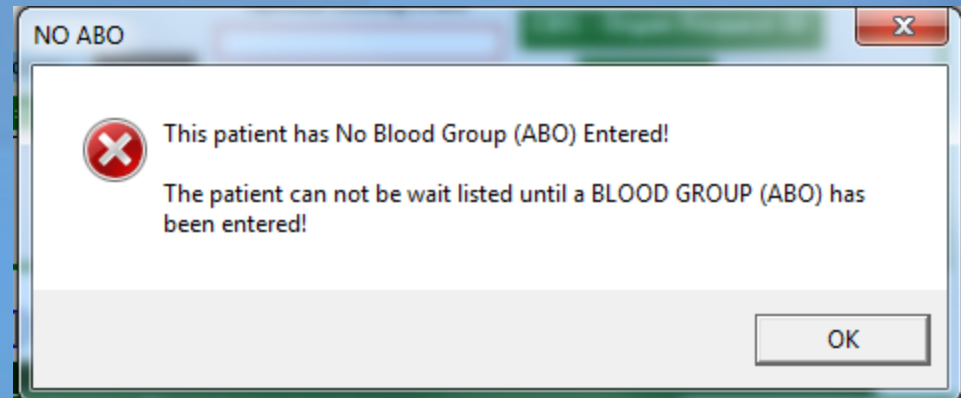
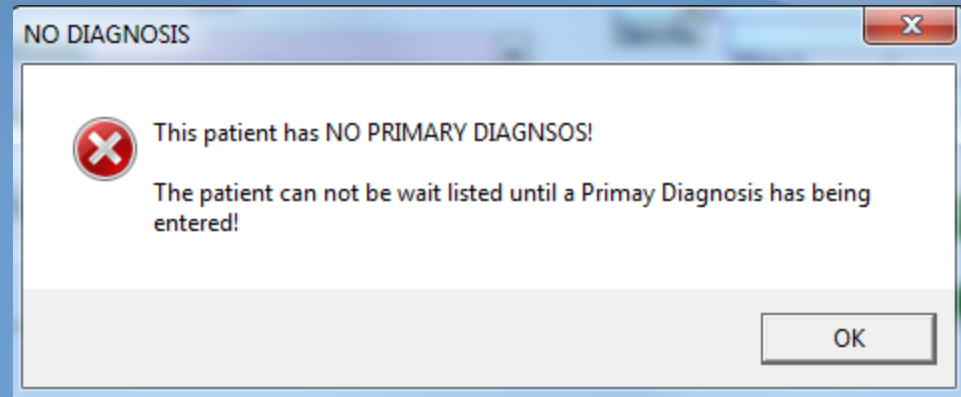
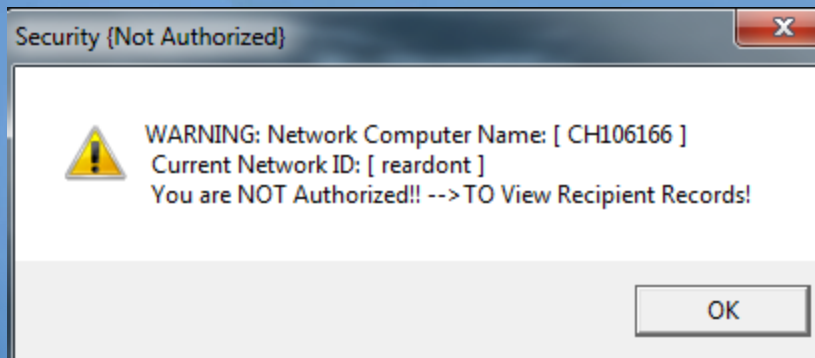
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GED IN TO DATABASE <REARDON, TERRY>



Pre-Transplant – System Checks

- Pre-Transplant
 - Automation of Data & Reporting
 - Data Entry (system validation)
 - Security / Checks & Balances





Pre-Transplant - Reports

Pre Transplant ▾ Post Transplant ▾ Tissue Typing ▾ Deceased Donors ▾ Live Donors ▾ Reports ▾ Smart Match Version 2

- View/Edit/Add Wait List Patients
- Reports - Heart Coordinators ▸
- Reports - K/KP Coordinators ▸**
 - Weekly/Monthly ▸
 - Quarterly ▸**
 - Annual UpDates Not Received By Centre
 - Date Cardiac Evaluations Completed
 - Over Due Serology Tests**
 - Last Serum Collection
 - Kidney Wait List (A,H,L,LH,R,RH)
 - Kidney/Pancreas Wait List (A,H,R)
 - Kidney IWK Wait List (A,H,L,R,RH)
 - H** Kidney Patients On Hold ('H')
 - Satellite Dialysis (A,H,L,LH,R,RH)
- Reports - Liver Coordinators ▸
- Reports - On Call Tx Coordinator ▸
- Mailing Labels ▸
- Tx Workup Forms/Reports ▸
- Nurse Practitioner ▸
- Kidney Appointment Letters
- VG Beds ▸
- VG IMCU Admissions
- Graph Liver Wait List Melds
- Chart Checks ▸
- Summary Sheet Reports

Serology Overdue Test Report Filters

Please select a Dialysis Centre

Halifax - QEII-HSC ▾

Serology Requisitions ☒

Run Report

Close

When tests are due



Pre-Transplant – Tissue Typing

Tissue Typing Automation

Mass Forbidden Antigen Entry

Recipient Atlantic, Transplant | HCN 00TxAtlantic00 | Sex | DOB

ID	Serum Date	Accession Number
2012	10/9/2012	12-333-33333

☐ No Detected Antigens for This Serum

Please Paste the antigens in the box below, when ready click the [Enter into MOTP database] button. This form will close after you click the update database button.

A1 A2 A3 A11(1102) A29 A30(3001) A68 A69 A80
B7 B8 B13(1302) B18 B27(2708) B35 B37 B39 B41 B42 B44(4402) B46 B48 B51(5102) B54 B55 B57 B59 B60 B61
B62 B65 B67 B71 B72 B75(1511) B76 B78 B81 B82
Cw1 Cw2 Cw9 Cw10(0302) Cw17
DR1 DR103 DR4(0401) DR4(0402) DR8 DR9 DR10 DR11 DR12 DR13(1303) DR14 DR15(1501) DR16 DR17 DR18
DR51 DR52(0101) DR52(0301)
DQ2 DQ4 DQ5(0501) DQ6(0601) DQ6(0603) DQ7 DQ8 DQ9
DQA3 DQA5(0501)
DP1 DP2(0201) DP3 DP4(0402) DP6 DP9 DP17 DP28
DPA1 DPA2(0201)

Enter into MOTP database Cancel



Pre-Transplant (Tissue Typing)

Resulting antibodies list inserted from paste

	Locus	Antigen	Verified	Reported Antigen	Allele Specific	Auto Antibody	Indeterm
	A	1	No	A1	No	Yes	No
	A	2	No	A2	No	Yes	No
	A	3	No	A3	No	No	No
	A	11	No	A11(1102)	1102 Yes	No	No
	A	29	No	A29	No	No	No
	A	30	No	A30(3001)	3001 Yes	No	No
	A	68	No	A68	No	No	No
	A	69	No	A69	No	No	No
	A	80	No	A80	No	No	No
	B	7	No	B7	No	Yes	No
	B	8	No	B8	No	No	No
	B	13	No	B13(1302)	1302 Yes	No	No
	B	18	No	B18	No	No	No
	B	27	No	B27(2708)	2708 Yes	No	No
	B	35	No	B35	No	No	No
	B	37	No	B37	No	No	No
	B	39	No	B39	No	No	No
	B	41	No	B41	No	No	No
	B	42	No	B42	No	No	No
	B	44	No	B44(4402)	4402 Yes	Yes	No
	B	46	No	B46	No	No	No
	B	48	No	B48	No	No	No
	B	51	No	B51(5102)	5102 Yes	No	No
	B	54	No	B54	No	No	No



Kidney Selection - Automation

Pancreas Avail: Yes

Selection Report [Donor Age < 35]

Donor: D##-###
TEST DONOR NAME

Test Date: yyyy-mm-dd

Age : 34
Hep C + : No

DRB3 ☐ DQ1 6 DP1 ☐
DRB4 ☐ DQ2 ☐ DP2 ☐
DRB5 ☐

CMV ABO
+ O

A B C DR
3 24 7 60 9 7 1

Wait Time VG ID Candidates
[Rank]

Forbidden Antigens CPRA CMV ABO Age
* = allele specific = () splits

A B C DR Mismatch

TIER 1

1 Recipient is Medical High Priority

Rank	Patient	Age	CMV	ABO	A	B	C	DR	Mismatch								
2893 P1	Patient 1	28	-	O	33	2	31	7	38	6	7	4	11	2	1	2	0
2092 P2	Patient 2	16	+	O	53	2	3	51	44	2	5	4	7	1	2	2	0

2 Calculated PRA >= 95 %

Rank	Patient	Age	CMV	ABO	A	B	C	DR	Mismatch								
2165 P3	Patient 3	98	-	O	47	1	3	8		7		17		1	2	2	0
1963 P4	Patient 4	95	-	O	47	2	2	7	60	5	14	1		2	0	0	0
639 P5	Patient 5	95	-	O	62	1	2	35	62	4		1		2	2	0	0

3 Combined Liver or Heart

Rank	Patient	Age	CMV	ABO	A	B	C	DR	Mismatch								
1498 P6	Patient 6	0	-	O	47	3	31	35	44	4	5	13		1	2	2	0
793 P7	Patient 7	19	+	O	51	1	24	8	35	4	7	15	16	1	2	2	0

TIER 2

1 0 HLA Mismatches A, B, DR

Rank	Patient	Age	CMV	ABO	A	B	C	DR	Mismatch								
1710 P8	Patient 8	47	-	O	50	24	3	7	60	7		1		0	0	0	0

2 Combined Kidney/Pancreas

Rank	Patient	Age	CMV	ABO	A	B	C	DR	Mismatch								
430 P9	Patient 9	0	+	O	32	2	24	39	44	5	7	4	8	1	2	2	0

3 Recipient was Previous Live Kidney Donor

Rank	Patient	Age	CMV	ABO	A	B	C	DR	Mismatch								
145 P10	Patient 10	0	-	O	1.1	3	68	62	44	9	5	4	13	1	2	2	0

4 Calculated PRA Between 80% & 94%

Rank	Patient	Age	CMV	ABO	A	B	C	DR	Mismatch								
1451 P55	Patient 55	81	-	O	44	3	68	62	44	9	5	4	13	1	2	2	0

TIER 3

1 0 HLA Mismatches B, DR [Pediatric]

Rank	Patient	Age	CMV	ABO	A	B	C	DR	Mismatch								
1844 P11	Patient 11	6	-	O	14	1	68	7	60	5	7	1		2	0	0	0

2 0 HLA Mismatches B, DR [Adult]

Rank	Patient	Age	CMV	ABO	A	B	C	DR	Mismatch								
1057 P12	Patient 12	44	+	O	42	1	2	7	60	7	10	1	4	2	0	0	0

TIER 4

1 0 HLA Mismatches DR [Pediatric]

Rank	Patient	Age	CMV	ABO	A	B	C	DR	Mismatch								
1077 P13	Patient 13	27	-	O	11	26	32	7	35	4	7	1	4	2	1	0	0
1074 P14	Patient 14	0	-	O	11	2	23	44	49	7		1	15	2	2	0	0

2 0 HLA Mismatches DR [Adult]

Rank	Patient	Age	CMV	ABO	A	B	C	DR	Mismatch								
629 P15	Patient 15	71	-	O	27	2	11	35	44	4	16	1	7	2	2	0	1

TIER 5

1 Wait Time [Pediatric]



Internal Collaboration Post-Transplant

Pre Transplant ▾ | Post Transplant ▾ | Tissue Typing ▾ | Deceased Donors ▾ | Live Donors ▾ | Reports ▾ | Smart Match Version 2

Re-Login

- Transplants
- Clinical Bloodwork
- Clinical Drugs
- Liver Adverse Events (Mortality/Morbidity)
- K/KP Smart Match Selections / Allocation
- Kidney/Kidney Pancreas ▶
- Liver ▶
- Reports ▶

- Failures & Deaths
- Transplants By Date/Organ
- K/KP Cold Ischemic Times
- Liver Mortality/Morbidity Report
- Following Center Changes
- Tx Reports Summary Halifax Activity



Post Transplant – Reporting (TIPS)

Third Quarter 2012 T.I.P Form

Fax: 905-567-0995

Page 1 of 2

Transplant and Immunology Program (T.I.P) Form - Kidney Third Quarter (July 1 and September 30, 2012)

Fax: 905-567-0995

Tel: 905-567-1777

1. Please provide the total number of kidney transplant patients (existing patients with functioning grafts) followed by *your transplant program*:

Organ Type	Total # of Transplant Patients Followed up to September 2012
Kidney	612

2. Please provide the total number transplant patients currently on Neoral, Prograf, CellCept, Rapamune, Myfortic and Advagraf:

Organ Type	Total # of Transplant Patients Currently on the Specified Immunosuppressant as of September 2012					
	Neoral	Prograf	CellCept	Rapamune	Myfortic	Advagraf
Kidney	179	329	329	58	128	60

3. Please provide the total number newly transplant patients (deceased vs. living donor) during the period between

Organ Type	Total # of Newly Transplant Patients Third Quarter 2012	
	Deceased Donor	Living Donor
Kidney	18	7

Third Quarter 2012 T.I.P Form

Fax: 905-567-0995

Page 1 of 2

Transplant and Immunology Program (T.I.P) Form - Liver Third Quarter (July 1 and September 30, 2012)

Fax: 905-567-0995

Tel: 905-567-1777

1. Please provide the total number of liver transplant patients (existing patients with functioning grafts) followed by *your transplant program*:

Organ Type	Total # of Transplant Patients Followed up to September 2012
Liver	318

2. Please provide the total number transplant patients currently on Neoral, Prograf, CellCept, Rapamune, Myfortic and Advagraf:

Organ Type	Total # of Transplant Patients Currently on the Specified Immunosuppressant as of September 2012					
	Neoral	Prograf	CellCept	Rapamune	Myfortic	Advagraf
Liver	62	254	180	95	11	7

3. Please provide the total number newly transplant patients (deceased vs. living donor) during the period between

Organ Type	Total # of Newly Transplant Patients Third Quarter 2012	
	Deceased Donor	Living Donor
Liver	5	0



Post Transplant – Reporting Tx Stats



Current Wait List / Transplants

MOTP
Queen Elizabeth II
Health Sciences Centre
Halifax, NS, Canada

2012

Current Wait List & Transplant & Donor Numbers as of : 10/9/2012 1:58:11 PM

Wait List Statistics

Wait List By Status

	Active	Live	Live Hold	Hold	Total
Kidney	151	15	3	71	240
Kidney/Pancreas	1	-	-	1	2
Liver	14	-	-	3	17
Heart	6	-	-	2	8
Total	172	15	3	77	267

Wait List By Blood Type

	A	AB	B	O	Total
Kidney	90	5	17	128	240
Kidney/Pancreas	-	-	1	1	2
Liver	9	-	-	8	17
Heart	2	-	-	6	8
Total	101	5	18	143	267

Work Ups

	Referral	Referral Hold	Total
Kidney	176	17	193
Kidney/Pancreas	3	1	4
Liver	48	4	50
Heart	35	-	35
Total	260	22	282

Wait List By Province

	NS	NB	PEI	NL	Total
Kidney	125	62	13	40	240
Kidney/Pancreas	2	-	-	-	2
Liver	6	2	1	8	17
Heart	4	4	-	-	8
Total	137	68	14	48	267

Transplant Statistics

Transplants By Province

	NS	NB	PEI	NL	Total
Kidney	41	14	9	12	76
Kidney/Pancreas	1	2	-	-	3
Pancreas	-	-	-	-	-
Liver	10	3	-	4	17
Heart	5	3	-	2	10
Total	57	22	9	18	106

Transplants By Blood Type

	A	AB	B	O	Total
Kidney	25	2	7	42	76
Kidney/Pancreas	1	-	-	2	3
Pancreas	-	-	-	-	-
Liver	6	-	1	10	17
Heart	3	-	-	7	10
Total	35	2	8	61	106

Transplants By Type

	Cadaver	Living	Paired EX	Total
	84	16	6	106

Donor Statistics

Atlantic Canada Donors

	NS	NB	PEI	NL	Total
	10	10	-	11	31

	A	AB	B	O	Total
	9	-	5	17	31

Non-Atlantic Canada Donors

Imported Donor Organ By Location

Quebec Transplant (Quebec City): Organ : H
MORE Kingston (TGLN): Organ : H
MORE London (TGLN): Organ : L

Imported Donor Organ By Blood Type

	A	AB	B	O	Total
	1	-	-	2	3

Transplants by Year Summary

Transplant Summaries By Year

Start and End Year: Start Year: 2011, End Year: 2012

Organ: ALL

Centre Or Province: ☐ Transplant Centre, ☒ Province

Run Report, Close Form

*On Halifax Waitlist at time of transplant

Yearly Transplants by Province

From Year : 2011 To 2012

MOTP

Queen Elizabeth II
Health Sciences Centre
Halifax, NS, Canada

Transplants By Province

2012	NS	NB	PEI	NL	Total
Kidney Adult CAD	29	10	5	9	53
Kidney Adult Live	8	3	3	1	15
Kidney Adult Paired Exchange	2	1	1	2	6
Kidney Pediatric CAD	2	0	0	0	2
Kidney Pediatric Live	0	0	0	0	0
Kidney Pediatric Paired Exchange	0	0	0	0	0
Sub Total Kidney	41	14	9	12	76
Kidney/Pancreas	1	2	0	0	3
Pancreas	0	0	0	0	0
Liver	10	3	0	4	17
Heart	5	3	0	2	10
Total	57	22	9	18	106

Actual Donors By Province

2012	NS	NB	PEI	NL	Total
Cadaver	9	10	11	0	30
Live	11	2	2	3	18
Total	20	12	13	3	48

[DCD] # 3 [NDD] # 30

2011

2011	NS	NB	PEI	NL	Total
Kidney Adult CAD	30	21	6	17	74
Kidney Adult Live	10	7	1	6	24
Kidney Adult Paired Exchange	1	1	0	1	3
Kidney Pediatric CAD	2	1	0	0	3
Kidney Pediatric Live	0	0	0	0	0
Kidney Pediatric Paired Exchange	0	0	0	0	0
Sub Total Kidney	43	30	7	24	104
Kidney/Pancreas	1	1	0	1	3
Pancreas	0	0	0	0	0
Liver	15	4	2	9	30
Heart	3	5	0	0	8
Total	62	40	9	34	145

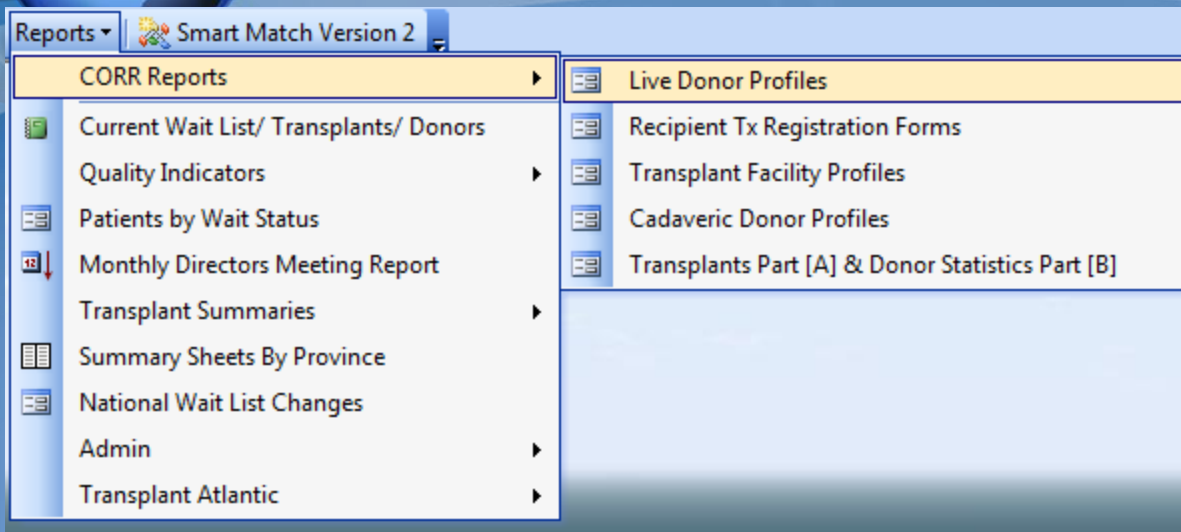
2011

2011	NS	NB	PEI	NL	Total
Cadaver	25	7	10	0	42
Live	12	5	6	0	23
Total	37	12	16	0	65

[DCD] # 2 [NDD] # 43



External IT Collaboration CORR/CBS





External IT Collaboration CORR/CBS

Canadian Blood Services

- National Organ Wait List (NOW)
 - Live Feeds from Halifax MOTP Information System for Atlantic Canada Provinces (26 June 2012)
- **Highly Sensitised Patient Registry (HSP)**
 - Currently Collaborating on.....





External IT Collaboration CORR/CBS

- END