# **OrganMatch Transplantation Portal**

# Introduction

The OrganMatch Transplantation Portal is accessed by clinicians, surgeons and Transplant coordinators in Australia and New Zealand. Access to patient data is secure and access is linked to the role within the transplant or clinical unit.

The navigation pane lists the different areas of the system. Menu items that are linked to a user's role will be visible.

# **OrganMatch Navigation**

- Search allows user's to find a person who has a record in OrganMatch and is linked to the user's hospital.
- **Pool Management** has the sub menus of:
  - » Waiting List a list of recipients with a current enrolment for organ transplantation. This includes the pathway of Transplant Waiting List (TWL), Living Directed Donation (LDD) and Kidney Paired Donation (KPD).
  - » Urgent TWL Recipients displays all the recipients



Pool Management

Waiting List

- Registration
- The Transplantation Portal has the functionality for patients and living donors to be registered and enrolled on an Organ Program. This process of registration allows user's to input clinical information directly into the system and create a record that the laboratories can add their testing results to.
- Once the patient is registered, a person record and program enrolment is created. They will be listed as On Hold and can be viewed on the Waiting List in the Transplantation Portal along with other patients that have a current enrolment for the user's hospital.

Person	Status						
			Organ Program		Transplant Pathway		
	Al	~	All	~	Al	~	
Add Registration     In Progress     Completed							3 record/s 8
	<u> </u>				o		

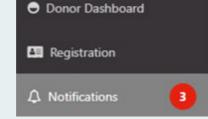
Test Patient Registration information	
General Information	
Medical Information	
> Notes & Attachments	
Enrolment Information Recipient - Lung - TWL	
	Save

Exit Save

Changed At 11

1 > >> 10 ~

- associated to the user's hospital that are listed as urgent on the specified organ program.
- » Transplanted Recipients generates a list of transplanted recipients linked to the user's hospital.



Urgent TWL Recipients

Transplanted Recipients

- **Donor Dashboard** displays deceased donor records that are matched against recipients from the user's hospital.
- **Registration** is where patients and living donors can be registered for different organ programs and pathways in OrganMatch.
- Notifications lists all the notifications generated in the system that are relevant to the user's access.

# **Samples and Test Results**

A patient test results can be viewed in the system. Results include HLA antibody results, crossmatch results and ABO blood group. The patient's Match Profile can also be viewed to see what Unacceptable Antigens they are being excluded on in matching.

Sampl	es HLA	antibody	screen result	ts Non-	HLA antibo	ody results	Crossmatch	Blood group	
atch profi	le								
Male 23 ye	RECIPIENT			DM ID 0054440 DM Lab NSW		• Ref 17798 KR t Ref 270246762		4	
/ Histocompa	tibility profile								
LA Typing pro	file								
4	в	c	DRB1	DQB1	DQA1	DPB1	DPA1 D	R83 DR84	DR85
24:02 32:01	*18:01 *27:05	*01:02 *07:01	*01:01 *15:01	*05:01 *06:02	*01:01 *01:02	*03:01 *04:01	*01:03 *-		*01:01
nacceptable 8	Acceptable Antiger	15							
ensitisation Cate loderate									
Antigens for Ex	clusion Details								

Once testing is complete and the transplant unit deems the patient medically suitable for transplant, the patient's enrolment status can be updated to active through the Transplantation Portal. Tracking of the changes are viewable in the enrolment.

	History	
Status View history	Status 11 Reason 11	
Active	Active N/A	
Active	On Hold Waiting for hospital activation	
	On Hold In Progress	

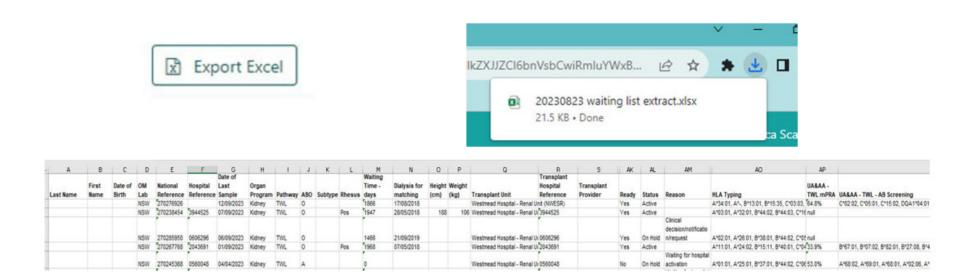
Transplant	Waiting L	ist

The Transplant Waiting List is used for patient management and gives an overall view of transplant or clinical units' patients with a current enrolment. The Transplant Waiting List is tailored for individual organ programs, displaying relevant information for the program.

OrganMatch has the functionality for the transplant unit to export the data from the waiting list into an excel file. Extra data is captured in the excel file that doesn't appear on the screen on Pool Management. This includes HLA typing, mPRA and a list of the Unacceptable Antigens.

This file can be filtered to assist in patient management and saved on the user's local drive for future reference.

✓ Filters																
Organ Program *		Transplant Pa	thway		Transplant Ho	spital		Clinical Hospital			Status			On Hold R	leason	
Kidney	~	TWL		~	All		~	All		~	On Hold		~	All		
ABO		Waiting Time	- Years (F	From)	Waiting Time	- Years (To)		Age - Year (Fron	n)		Age - Year	(To)				
All	~	***			***			***			***					
Max KDPI (From)		Max KDPI (To	0		EPTS (From)			EPTS (To)			Find Perso	n				
***		***			***			***								
Results																
an experience							De chat									39 record/s fo
							Recipio									
Last First Name 11 Name 11	Date of Birth 11	Age 11	ABO 11	Hospital Reference 11	Transplant Hospital 11	Clinical Hospital 11	Date of Las Serum 11	Screening	Days SAG Readiness expires in 11	Ready 11	Status 11	On Hold Reason 11	mPRA 11	Max KDPI 11	EPTS% 11	Waiting Time †1
		3		1382821	Wastmand Hose	Liverpool Hos	17/08/2023	17/08/2023	94	~	On Hold	Clinical deci	null	100	76	2 years 2 mo
	6	54 years 10 m	A	1302021	westmeau nosp	cherpoortioa					Control of	Curren of Curr	The fit	100	10	- /
			0	1389298	Royal Prince	Liverpool Hos				~	On Hold	Waiting for h		100	66	10 months



# Is my patient ready for matching?

Patient readiness is a system based flag, which is tailored for each organ program and defines the criteria that must be met for a patient

#### **Readiness Criteria Requirements** Kidney TWL

Criteria	<b>Recipient Requireme</b>	ents
	Authorised for:	Authorised for:
	HLA-A-1 field	HLA-DQB1 - 1 field

est result				
✓ Sample & Test Result	Details			
Sample Reference	705704	Sample Date	03/07/2019	
Test Method	SAG2	Result	Positive	
lg Isotype	IgG	Class	Class II	
Sera Treatment	EDTA	Test Date	14/04/2021	
Test Reference	L20210414-2SAG2GP1L1	cPRA	-	
Testing Laboratory	NSWIT	PRA	-	
Sample Tag				
Results				
ocus All	~			
	2 record/s fou	nd		
Antigen 1	MFI 11			
DQA1*05:01	3848			
DQA1*05:03	866			

### **Donor Dashboard**

The Donor Dashboard lists all deceased donors that have been matched against patient's from the user's hospital. This data is updated in real time and can be viewed at the time of an organ offer.

eceased Donor Da	shboard				옷 Rebecca Scam.
✓ Filters					
Hospital	ABO	Donor ID			Reset Filters
All	✓ All	~			
Results					
					3879 record/s four
			Donors		
Date of Enrolment 11	OM L	b 1↓ Match Date & Time 1↓	Donor ID 11	Hospital 11	ABO 11
20/08/2023	VIC	21/08/2023 21:59	D23-1027	Alfred Hospital	A
18/08/2023	NSW	19/08/2023 11:53	D23-1017	Manning Hospital	в
17/08/2023	WA	21/08/2023 11:23	D23-1015	Sir Charles Gairdner Hosp	0

The DSA assessment summary is listed for each patient and further information about the antibodies can be found by clicking into the Match Event. The Match Event displays the histocompatibility information between the patient and the donor. This is the same information that is

and donor to be matched. For example, a Kidney recipient must meet the criteria to the right.

If a patient is not ready to be matched, the reason is easily viewable by clicking the x in the ready column.

		Read
>	Donor Recipient	
This person's mat	ch profile is not ready because of the following reasons	
No Dialysis Start D	Date found	
Luminex (SAG2) te	est result has expired	
Luminex (SAG1) te	est result has expired	
	<< < 1 > >> 10 V	
	Close	

HLA typing	HLA-B - 1 field	HLADQA1 - 1 field
	HLA-C - 1 field	HLA-DPB1 - 1 field
	HLA-DRB1 - 1 field	HLA-DPA1 - 1 field
Location	OM Laboratory Enter Transplant Hospital E	
Luminex		reen (SAG1) Tested within 120 days reen (SAG2) Tested within 120 days
Unacceptable antigen	Authorised	
Samples	Final ABO Blood Grou	up Confirmed
Dialysis	Start date entered	

# **TWL Match History**

The Transplant Waiting List Match History shows all the match events for an individual against potential donors that have been matched. The sort order is by Event Date (that is the date and time matching was last completed for the organ program and transplant pathway).

The default Algorithm Assessment is set to Yes, thus displaying donors that passed through to matching. The table displays the Donor ID, Offer Status and Rank (if the recipient is on the Kidney program). If the Published Status is Published, the match event can be viewed by clicking on the row.

If the Algorithm Assessment is No, the match history pane will display the donors where the patient has been excluded for matching, usually due to blood group incompatibility or unacceptable antigens. Further details of the match can be viewed by clicking the green drop-down.

✓ TWL Match history							
Algorithm Assessment		Transplanted		Offer Response		Reason	▲Export Match History
Yes	~	Al	~	Al	~	All	~

#### Reports

The Transplantation Portal allows user's to access clinical reports for their patients and a notification is sent to the portal whenever a report is authorised. Clinical reports are always available in the patient's record for viewing or downloading.

				2 record/s foun
ast Updated On 11 Last Updated By 11	Sub-category 11	Title 1↓	Details 11	No. of Attachments 11
2/07/2020	Reports	20200702_17798_KR_AntibodyReport- Author	Antibody Review_serum date 03/06/2020	1
1/07/2019	Reports	20190711_17798_KR_AntibodyReport- Author	Please review and authorise attached report	1
Note 🚯		× NS	W Transplantation & Immunogenetics Services	Australian Red Cross
Note 🕄		17	0'Riordan Street, Alexandria, NSW 2015	Lifeblood
Note Attachments		17 Tel Em		Lifeblood Report Authorised By Senior Scientist - Team Leader
	File	17 Tel Em	0'Riordan Street, Alexandria, NSW 2015 aphone: 61 2 9234 2322 Fax: 61 2 9234 2363 w transfusion.com.au/transplantation_services ail: ttcbo@redcrossblood.org.au HI Accreditation No: 02-9-AU-OI -1	

#### reported on the Organ Offer List.

Female Off D 0007906 Donor ID   Hospital Manning Hospital     Watching Recipients      Find Person   Transplant Hospitals     Organ Program   Ali     Offer Status   Ali     Rank From   ###     Organ Program   Algorithm     Algorithm </th <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>DECEASED DONOR</th> <th>me Withheld</th>									DECEASED DONOR	me Withheld
<ul> <li>✓ Filters</li> <li>Find Person</li> <li>Transplant Hospitals</li> <li>Organ Program</li> <li>All</li> <li>✓ All</li> <li>✓ Algorithm</li> <li>All</li> <li>✓ Algorithm</li> <li>Øffer Status</li> <li>Rank From</li> <li>Rank From</li> <li>Rank To</li> <li>Age(Years) From.</li> <li>Age(Years) To</li> <li>###</li> </ul>										
Find Person Transplant Hospitals   All   All   Offer Status   All									nts	atching Recipien
Find Person Transplant Hospitals Organ Program Algorithm     All All     Offer Status     Rank From     Rank From     Rank From     Rank To     ###     Algorithm     Algorithm     Rank Score     Last Name     Offer Status     Algorithm     Algorithm <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>✓ Filters</td>										✓ Filters
Offer Status     Rank From     Rank To     Age(Years) From     Age(Years) To       All <ul> <li>             ###</li> </ul> Age(Years) From              ###            rgan Program         Algorithm         Rank Score         Last Name         First Name         DoB         Age(Years)         DSA Assessment         Offer Status         Transplant Hospital	Organ Program Algorithm	Algorithm	Program			pitals	Transplant Ho			ind Person
All V 999 999 999 999 999 999 999 999 999	V All V All	Ali		~			All			
rgan Program Algorithm Rank Score Last Name First Name DoB Age(Years) DSA Assessment Offer Status Transplant Hospital	Age(Years) From Age(Years) To	om Age(Years) To	Age(Ye		Rank To		Rank From			Offer Status
		***	***		***		***	~		All
daw. State Participal Matching 1 47 000 046 60 No DCA identified Eligible for effer	oB Age(Years) DSA Assessment Offer Status Transplant Hospital	nent Offer Status Transplant Hospital	ge(Years) DSA A	DoB	First Name	Last Name	Score	Rank	Algorithm	rgan Program
aney state restricted matching i 47,000,040 09 No DSA identified Eligible for other Westmead Hospital - Kenal Unit	69 No DSA identified Eligible for offer Westmead Hospital - Renal Unit	tified Eligible for offer Westmead Hospital - Rena	No DS				47,000,046	ing 1	State Restricted Matchin	dney

	male				M ID 0087906	Donor	10					Male				M ID 0054440	- De	ab Ref 17798 KR	2		
	5 years 9 m	onths			M Lab NSW		tal Manning H	ospital		Person Profile		23 years 4 m	onths			M Lab NSW		lo her trrgo int	8		Person Pro
Infor	mation																				
Mate	h event or	utcomes																			
Histo	compatib	ility assessment																			
Denor I	ILA Typing	profile									Recipient H	ILA Typing p	rofile								
A.	8	c	DRB1	DQ81	DQA1	DP81	DPA1	DR83	DR84	DR85	A	8	c	DR81	DQ81	DQA1	DP81	DPA1	DR83	DR84	DR85
11	*40:01 *46	*01 *03:04	*09 *16	*03:03 *05	"01 "03	*05:01	102		-01	*01	*24:02 *32:01	*18:01 *27:05	*01:02 *07:01	*01:01 *15:01	*05:01 *06:02	*01:01 *01:02	*03:01 *04:01	*01:03 *.			*01:01
Allelica	ssessment																				
Allelic	Difference	es									Eplet load							Total D	RB1 match	в	
A	8	c	DR81	DQ81	DQAI	DPB1	DPA1	DR83	DR84	DR85	Class I		Class II	To	lal						
*11 *33	*40:01 *46	- 103:04	*09 *16	*03:03	-03	105:01	*02		-01	÷.											
		- insufficient typing	to determine	allelic difference	es																
Allelic	issessment																				
DSA as	essment																				0
	sessment DSA identif	fed																			
	leport	DSA Category 11	Recipi		Donor HLA 12	M		Brength lating ti	Sample Da	te 11	DSA Note 1		Test Result Reportable Note 1		lg Isotype		Sera Treatment 11	Ci	ass ti	Sample Tag 11	
	~	Specific	DPS1*	05.01	DP81*05:01	513		Veak	12/03/2018						lgG		Adsorb Out	0	855 W		

	Match	Details		Matched Person				0.	itcome				
	Organ Program 11	Event Date 11	OM ID 11	Donor ID 11	Algorithm Assessment 11	Blocked 11	Offer Status 11	Transplanted 11	Offer Response 11	Reason 11	Rar		Published Status 11
	Kidney	03/06/2021 00:45	0079688	D21-0602	Yes	No	N/A	N/A	N/A	N/A	82		Unpublished
	Date & time	Parent Algorithm			Child Algorith	ım					Match	Score	Rank
0	03/06/2021 00:45	Kidney Standard v2			High Level Co	mpatibility Check					N/A	81	
	Algorithm criteria			Res	uit			De	tails				
	Allelic Differences Identifie	ed		1				A*C	12, A*03, B*15:01, B*35, C*04, D	R81*13, DP81*02:01,	DP81*14:01, 0	PA1*02	
	Ext. Acc. Criteria match			~									
	HLA Mismatches Identifier	d		1				A*0	2, A*03, 8*15:01, 8*35, DR81*1	3			
	Matched As OM Lab			1				NS	W				
	UA could not be determin	ed						No	UA list specified for this organ	program			
	Valid ABO for program			*									
0	03/06/2021 00:45	Kidney Standard v2									N/A		
0	03/06/2021 00:45	Kidney Standard v2			National Algo	rithm					No	0	
0	03/06/2021 00:45	Kidney Standard v2			State Restricte	d Matching					No	0	
0	03/06/2021 00:45	Kidney Standard v2			State Restricte	d Waiting					Yes	40,000,002	82

# **Previous Transplant History**

If the patient has received a previous transplant the donor details will be listed in the Transplants tab. By clicking on the row for the donor, the system navigates to the Transplant Event. In the Transplant Event the user can view Histocompatibility details of the patient and donor including any post transplant DSA results if samples have been sent to the laboratory for testing.

in Program 11 Transp		7 record/3 four
in region is name	nsplant Pathway 11 Last	t Updated On 11
t TWL	rL 15/0	107/2020
	<pre>c c 1 &gt; ⇒ 10 √</pre>	

### **Notes and Attachments**

Notes and attachments can be added to the system to transmit information required by the laboratory like an ABO blood group report. If a note is added a notification is generated to the relevant portal. A note can also be replied to with correspondence.

~ No	tes & attachments									
Curre	nt History									
⊕ A4	id Note									5 record/s fours
Categ	lory			Sub-cate	gory					
All			~	All		~				
	Last Updated On 1s	Last Updated By 11	Create	nd In 11	Sub-category 11	Title 11	Details 1	Total No. of Attachments	Has Att	achments
0	17/06/2022		Lab		Program enrolments	Kidney workup complete - TWL pilot	This patient's work-up for the NSW/ACT waiting list for a Kidney trans	0	×	Reply
	06/09/2022		Transp	antation	Program enrolments	Kidney workup complete - TWL pilot	Have changed him to active		×	



