

OrganMatch Transplantation Portal

The purpose of this document is to provide the users of the OrganMatch – Transplantation Portal a detailed guide to the data fields and functionality in OrganMatch.

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1. Access to OrganMatch

Access to OrganMatch can be requested by clinicians and transplant coordinators in transplant units and clinical units in Australia and New Zealand. Access must be approved by the head of the transplant or clinical unit. OrganMatch Lab users cannot request access on the behalf of the clinicians. All requests should be referred to the National OrganMatch Office.

There are four roles that can be assigned in the Transplant portal:

- Provider – can view all screens, download reports, add and reply to notes.
- Coordinator – additional functionality includes the ability to edit selected data fields.
- ANZKX Coordinator – view all records of patients/donor enrolled for ANKX.
- Registration – ability to create a new person record and program enrolment.

Request forms can be accessed on the OrganMatch Website.

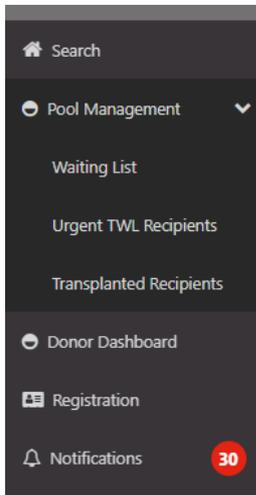
www.donatelife.gov.au/for-healthcare-workers/organmatch

OrganMatch Transplantation portal allows the clinical units to view information on recipients and living donors to which they have access. Access to data is determined by linkage via the Provider or Hospital Links.

Note: You can only view a recipient or a living donor you are linked to via the Provider or Hospital Links. Please contact your OrganMatch Laboratory to notify them of any changes to recipient/donor Provider or Hospital Links.

2. Main Menu

The following menu options are available:



2.1 Search

Recipient and donor records can be searched using:

- OM ID
- Name
- Date of Birth
- Hospital reference
- National reference.

2.2 Pool Management

See Pool Management – Transplantation Portal (OM-056) for further information.

2.3 Donor Dashboard

See Donor Dashboard- Transplantation Portal (OM-060) for further information.

2.4 Registration

Registration is where patients and donors can be registered for different organ programs and pathways in OrganMatch.

Refer to Section 3.4 Enrolments for transplant, for further information.

2.5 Notifications

See Notifications – Transplantation Portal (OM-011) for further information.

3. Patient information

Patient information is found in the Match Profile.



3.1 Histocompatibility Profile

3.1.1 HLA Typing

The HLA typing of the patient is displayed. HLA results are used in matching. For further details such as testing method, test date, refer to patient report issued by the laboratory.

3.1.2 Unacceptable Antigens (UA) and Acceptable Antigens (AA)

Sensitisation Category is displayed in this section.

An assessment of factors, such as HLA antibodies, previous transplant mismatches are used when defining a list of HLA donor antigens would be considered unacceptable for an individual recipient.

- TWL UA will potentially exclude the patient from progressing through to the matching algorithms and are therefore will be ineligible to be offered a kidney from any deceased organ donor with those antigens.
- Living Donor UA will exclude KPD patients from being eligible to be offered a kidney from a live donor on the KPD with those HLA antigens

Acceptable Antigens are used in specific cases, for example if the patient has an allele specific antibody.

There are three types of Unacceptable antigens in Organ Match

- Antibody sourced - as a result of HLA antibody test results
- Previous donor mismatch
- Other - HLA antigens added from other sources such as those to avoid high eplet loads.

Contact your local HLA lab for further explanation of UA.

3.1.3 mPRA (Match calculated panel reactive antibody)

Provides an estimate of the percentage of deceased organ donors that will be incompatible for a recipient based on the antigens assigned as unacceptable. The mPRA represents the HLA antigen frequency in the population, based on a pool of donors from the Australian population. If more than one HLA antigen is unacceptable, the mPRA is the total frequency of the HLA antigens.

Unacceptable & Acceptable Antigens - TWL
TWL mPRA
99.7%

3.2 Samples and Test Results

The following tabs are viewable.

Samples & test results				
Samples	HLA antibody screen results	Non-HLA antibody results	Crossmatch	Blood group

3.2.1 Samples

Samples from the Lab Portal can be viewed as read only in the Transplant Portal. The columns in the table are as below. Samples can be expanded to view test results in the child table.

Samples & test results						
Samples						
Sample Date	Sample Reference	Type	Microfuge	Reserve	Sample Tag	Tests
26/07/2022	N-22-904942-A	Serum	0	1		0
21/06/2022	N-22-902744-A	Serum	0	1		2
Test Method	Short Name	Test Type	Test Date	Testing Laboratory		
Luminex Single Antigen Class I	SAG1	HLA Antibody	27/06/2022	NSW Tissue Typing Laboratory		
Luminex Single Antigen Class II	SAG2	HLA Antibody	27/06/2022	NSW Tissue Typing Laboratory		

3.2.2 HLA antibody screen results

Verified HLA antibody results are viewable. If checkbox **View in Transplantation Portal** is selected in OrganMatch - Lab Module. Hovering over **Contain Notes** displays reportable notes.

Note: Results from April 2019 are viewable. For results prior to this date contact your local Tissue Typing Lab to enable more results to be viewed.

Samples & test results											
Samples											
HLA antibody screen results											
Recent AB Screening											Export Test Results
LSM	SAG1	SAG2									
N/A	21/06/2022	21/06/2022									
From Sample Date		To Sample Date		Antigen							
dd/mm/yyyy		dd/mm/yyyy									
cPRA	Antigen (MFI)	Sample Date	Sample Reference	Test Date	HLA Class	Ig Isotype	Result	Test Method	Sera Treatment	DSA	Contains Note(s)
	A*80:01 (5835), A*23:01 (5547), A*24:02	21/06/2022	N-22-902744-A	27/06/2022	Class I	IgG	Positive	SAG1	EDTA		
		21/06/2022	N-22-902744-A	27/06/2022	Class II	IgG	Negative	SAG2	EDTA		

Further details are viewable by clicking the row.

Test result

Sample & Test Result Details

Sample Reference	N-22-902744-A	Sample Date	21/06/2022
Test Method	SAG1	Result	Positive
Ig Isotype	IgG	Class	Class I
Sera Treatment	EDTA	Test Date	27/06/2022
Test Reference	22-LSLXWS-142_LSLXS1...	cPRA	-
Testing Laboratory	NSWTT	PRA	-
Sample Tag			

Results

Locus:

5 record/s found

Antigen	MFI
A*80:01	5835
A*23:01	5547
A*24:02	4098
B*46:01	1359
B*15:11	560

Close

3.2.3 Non-HLA antibody results

Verified Non HLA antibody result are viewable: Only ATIR results will be shown

Samples & test results

Samples HLA antibody screen results **Non-HLA antibody results** Crossmatch Blood group

Sample Date	Sample Reference	Test Date	Test Method	Test Result	Interpretation	Verified	Contains Note(s)
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3.2.4 Crossmatch

Verified crossmatch results are viewable in the Transplantation Portal. The crossmatch record can be expanded and the sample and test results can be viewed by clicking on the crossmatch record. The patient or donor details will be withheld for records that are not linked to the users hospital access.

▼ Samples & test results

Samples HLA antibody screen results Non-HLA antibody results **Crossmatch** Blood group 5 record/s found

Serum Name ↑	Sample Date ↑	Sample Reference ↑	Cell Name ↑	Sample Date ↑	Sample Reference ↑	Test Date ↑
aQdWbJUsq QJMWI	26/10/2020	720282	aQdWbJUsq QJMWI	26/10/2020	411190	27/10/2020

Crossmatch Type	Additive	Cell Treatment	Result Score	Result	Channel Shift from threshold	XM Date	Test Reference
CDC-TXM				Negative		27/10/2020	

aQdWbJUsq QJMWI	20/09/2017	686500	aQdWbJUsq QJMWI	20/09/2017	378061	26/09/2017
aQdWbJUsq QJMWI	20/09/2017	686500	aQdWbJUsq QJMWI	20/09/2017	378061	25/09/2017

Test result ✕

▼ Sample & Test Result Details

Test Method	XM
Testing Laboratory	NSWTT

Serum Details	Cell Details
Serum Name	aQdWbJUsq QJMWI
Date of Birth	16/01/1952
Laboratory Reference	17614 KR
Sample Reference	720282
Sample Type	Serum
Sample Date	26/10/2020
Cell Name	aQdWbJUsq QJMWI
Date of Birth	16/01/1952
Laboratory Reference	17614 KR
Sample Reference	411190
Sample Type	PBL
Sample Date	26/10/2020

Crossmatch Results 1 record/s found

Crossmatch Type ↑	Additive ↑	Cell Treatment ↑	Result Score ↑	Result ↑	Channel Shift from threshold ↑	XM Date ↑	Test Reference ↑
CDC-TXM				Negative		27/10/2020	

[Close](#)

3.2.5 Blood group

ABO, Rhesus and ABO subtype blood group details can be viewed.

▼ Samples & test results

Samples HLA antibody screen results Non-HLA antibody results Crossmatch **Blood group**

ABO ⓘ A Final	Rhesus ⓘ Positive Final	ABO Subtype ⓘ A1 Final
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Interim and verified blood group results are viewable. Hovering over the  displays details of the person who last updated and verified the person blood group.

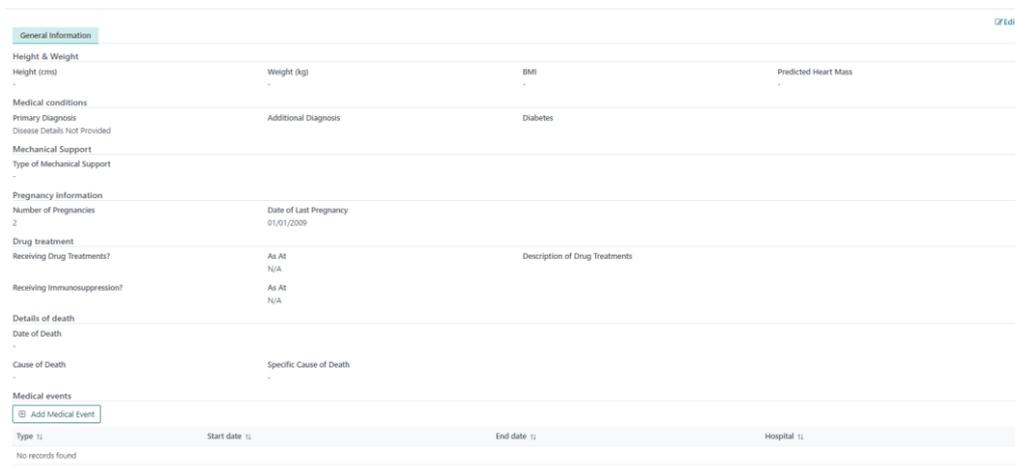
A formal blood group report must be uploaded via Notes & attachments. When adding the note select the **Category** as Person and **Sub-Category** as ABO Forms. This will allow the Laboratory Portal users to view the report and verify the result.

3.3 Medical Information

Medical information can be viewed.

For the role Coordinator, the edit button is visible, and changes can be made to the following fields

- Height
- Weight
- Primary Diagnosis
- Additional Diagnosis
- Mechanical Support (type of mechanical support for heart TWL patients)
- Number of pregnancies – date of last pregnancy
- Drug Treatments
- Details of death



General Information [Edit]			
Height & Weight			
Height (cms)	Weight (kg)	BMI	Predicted Heart Mass
-	-	-	-
Medical conditions			
Primary Diagnosis	Additional Diagnosis	Diabetes	
Disease Details Not Provided			
Mechanical Support			
Type of Mechanical Support			
-			
Pregnancy Information			
Number of Pregnancies	Date of Last Pregnancy		
2	01/01/2009		
Drug treatment			
Receiving Drug Treatments?	As At	Description of Drug Treatments	
	N/A		
Receiving Immunosuppression?	As At		
	N/A		
Details of death			
Date of Death			
-			
Cause of Death		Specific Cause of Death	
-		-	
Medical events			
<input type="button" value="Add Medical Event"/>			
Type <input type="text"/>	Start date <input type="text"/>	End date <input type="text"/>	Hospital <input type="text"/>
No records found			

3.3.1 Kidney KPD

Medical information can be added by the transplant units. This is not viewable in the Laboratory Portal. Imaging results can be added to the donor record via a note in the **Imaging Report** section.

For Recipients

Medical Information			
General Information		Kidney KPD	
Edit			
Virology			
CMV	Date *	EBV	Date *
Pos	24/02/2020	Pos	24/02/2020
View Notes			

For Donors

General Information			
General Information		Kidney KPD	
Edit			
History of hypertension			
Blood Pressure	Hypertension		
100 / 59 mmHg	No		
On current antihypertensive medication	Number of antihypertensive medication		
No	-		
Glycaemic status			
Impaired fasting glucose	Impaired glucose tolerance		
No	No		
History of renal stone disease			
Previous History	Date	Recurrent	
No	-	-	
Screening for malignancy			
Cervical Screening	Date *		
Neg	17/01/2022		
View Notes			
History of malignancy			
<i>The system won't accept a registration for any donor with a previous history of cancer, except for the type indicated as acceptable</i>			
View Notes			
Colon cancer Dukes A > 5 years ago	Date	Non-melanoma skin	Date
No	-	No	-
Carcinoma in situ of the cervix	Date		
No	-		
Thyroid	Date	Other Cancer	Date
No	-	No	-

Virology				
CMV	Date *	EBV	Date *	
Pos	12/03/2021	Pos	12/03/2021	
HIV	Date *	Hepatitis B surface antigen	Date *	
Neg	19/10/2019	Neg	19/10/2019	
Hepatitis B surface antibody	Date *	Hepatitis B core antibody	Date *	
Neg	11/10/2019	Neg	12/03/2021	
Hepatitis C antibody	Date *			
Neg	11/10/2019			
View Notes				
TB Risk Assessment				
Is this person at increased risk of TB according to the ANZIXX protocol?				
No				
View Notes				
Imaging Reports				
Add Note				
2 records found				
Last Updated On	Last Updated By	Title	Details	Total No. of Attachments
01/04/2022	[REDACTED]	RMH CTA Report	RMH CTA Report	1
28/03/2022	[REDACTED]	Imaging Reports Attachment	CT RA report	1
<< < 1 > >> 5 >>>				

Kidney function and anatomy			
Serum creatinine (µmol/L)	Date *	Urine protein/ creatinine ratio mg/ µmol	Date *
59	11/10/2019	4	28/07/2020
Proteinuria mg/24h	Date		
-	-		
Nuclear-GFR ml/min	Date *	Method	
99	13/08/2020	99Tc-DTPA	
Split Function - Left %	Split Function - Right %		
52	48		
CT Angiogram renal arteries	Date *	Collecting system method	
Yes	14/09/2020	KUB at conclusion of CTA	
Kidney size - Left cm	Kidney size - Right cm		
10.4	10.3		
Number of kidney arteries - Left	Number of kidney arteries - Right		
1	1		
Number of kidney veins - Left	Number of kidney veins - Right		
1	1		
Branching within 15mm of Aorta - Left	Branching within 15mm of Aorta - Right		
No	No		
Length of renal vein - Left cm	Length of renal vein - Right cm		
3.2	1.4		
Ureter - Left	Ureter - Right		
Single	Single		
Review dates			
Medical review date	Surgical review date	Psychological review date	
06/11/2020	12/03/2021	11/12/2020	
Preferred Kidney			
Preferred Kidney for Donation			
Left			

3.3.2 Medical Events

Medical event information can be added by a user. A notification will be sent to the laboratory when a new medical event is added. The medical event box also has a comments section for free text information.

Medical events			
Type ¹	Start date ¹	End date ¹	Hospital ¹
Peritoneal	01/06/2017		Blacktown Hospital (NBLA)

To enter a Medical Event

1. Click **Add Medical Event** button
2. Fill in details in the pop-up
3. Click **Save**

Repeat steps 1 – 3 to add any additional medical events as required

To update a Medical Event

1. Click the relevant row for the medical event

2. Click **Edit**
3. In the pop-up, make any changes necessary
4. Click **Save**

3.4 Enrolments for transplant

Refer to the below documents for information about specific organ enrolments and registration.

- Kidney – Kidney Transplant Waiting List (TWL) Registration- Transplantation Portal (OM-019) or Kidney Enrolment- Transplantation Portal (OM-INF-005)
- Kidney/Pancreas – Kidney/Pancreas Transplant Waiting List (TWL) Registration- Transplantation Portal (OM-WI-020) or Kidney/Pancreas Enrolment- Transplantation Portal (OM-INF-023).
- Liver – Liver Transplant Waiting List (TWL) Registration- Transplantation Portal (OM-WI-045) or Liver Enrolment- Transplantation Portal (OM-INF-026).
- Heart – Heart Transplant Waiting List (TWL) Registration- Transplantation Portal (OM-WI-039) or Heart and Lung Enrolment- Transplantation Portal (OM-024).
- Lung – Lung Transplant Waiting List (TWL) Registration- Transplantation Portal (OM-021) or Heart and Lung Enrolment- Transplantation Portal (OM-024).

3.5 Reports

Authorised reports are viewable and can be downloaded.

See Accessing Reports (OM-INF-010) for further information.

3.6 Notes and Attachments

See Notes and Attachments – Transplantation Portal (OM-077) for further information.

3.7 De-identified Notes & attachments

This menu item has no current functionality. There will be limited user access to this function when operational.

3.8 TWL Match History

See Transplant Waiting List (TWL) Match History- Transplantation Portal (OM-059) for further information.

3.9 Living Donor Match History

Once a match event for LDD or KPD is published it is viewable in the Transplantation Portal.

Living Donor Match History

Algorithm Assessment: All | Transplanted: All | Offer Response: All | Reason: All | [Reset Filters](#)

Match Details			Matched Person	Outcome		
Organ Program ¹	Pathway ¹	Event Date ¹	OM ID ¹	Algorithm Assessment ¹	Offer Status ¹	Transplanted ¹
Kidney	LDD	12/04/2022 07:58	0082666	No	N/A	N/A

Match Event viewable by clicking on the highlighted row.

3.10 Transplant

Transplant information can be viewed.

Note: This tab is only viewable if the patient has had a transplant.

Transplants 2 records found

Transplant Date ¹	EDR / Lab Ref ¹	Organ Program ¹	Transplant Pathway ¹	Last Updated On ¹
01/01/2004	B110211981	Kidney	LDD	01/01/2004
01/01/2000	A1102981	Kidney	LDD	01/01/2000

<< < 1 > >> 10

Click on the row and the transplant event and Histocompatibility assessment can be seen. This will contain DSA assessment, crossmatch assessment.

3.11 Demographics and Contact details

The following information can be viewed.

Demographic & contact details Edit

Main information		
Last Name *	First Name *	Middle Name
OXBICHHP	oNvTdy	BSAbZKh
Date of Birth *	Age	Off System Donor
11/02/1981	41 years 6 months	<input type="checkbox"/>
Gender	Ethnic Origin	Specific Ethnic Origin
Male		Is the person of Aboriginal or Torres Strait Islander origin?
Contact information		
OM Laboratory *	Residential State/Territory	Postcode
NSW	NSW	
Residential Country	Home Phone	Email Address
Australia		
Mobile Phone		
Reference information		
National Reference	Laboratory Reference	Date Registered
270239122	17544 KR	20/07/2017 09:30

The following fields can be edited by Coordinator access:

- Ethnic Origin
- Specific Ethnic Origin
- Is the person of Aboriginal or Torres Strait Islander origin?
- Residential Country
- Residential State
- Postcode
- Mobile Phone
- Home phone
- Email address

3.12 Hospital and Provider Links

Hospital and provider links can be viewed. Editing is restricted to the coordinator role.

Hospital link will be pre-populated with the users hospital under the **Current** tab.

Ended hospital/provider links are viewed in the Hospital/Provider Links **History** tab.

Hospital links

Current History

Add Hospital Link

Hospital	Reference	From	To	Receive Reports
KPD National (VKPD)		17/12/2019		✗
Westmead Hospital - Renal Unit (NWESR)	3486929	20/07/2017		✗

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Provider links

Current History

Add Provider Link

Provider	Role	From	To	Receive Reports
[Redacted]	Physician	07/07/2020		✓
Westmead Renal Co-ordinators	Transplant Coordinator	20/07/2017		✓
[Redacted]	Physician	20/07/2017		✓

« < 1 > » 10

3.12.1 To update Hospital and/or Provider Links

1. Click Add Hospital Link or Add Provider Link button
2. Fill in details in the pop-up
3. Click **Save**

Repeat steps 1 – 3 to add another clinical unit/provider if required

3.12.2 To end a Hospital and/or Provider Link

1. Click the relevant row for the hospital/provider
2. Click **Edit**
3. Change the **To Date** box to the date the link was ended
4. Click **Save**

Note: Ending link to your hospital will remove your access to the patient record

3.13 Personal Links

Patient personal links can be viewed if the profile is linked to a person enrolled in KPD or LDD. Editing is restricted to the coordinator role.

Click on donor name to go into donor match profile.

Personal links

Add Personal Link

Name	Relationship	Date created
Name Withheld	Niece / Nephew	05/06/2018
Name Withheld	In - law relation	05/10/2017
DQoFZuXK DnZzhH	Sibling	05/10/2017

4. Match Event Assessment

See Match Event Assessment – Transplantation Portal (OM-062) for further information.

Definitions

Term/abbreviation	Definition
AA	Acceptable Antigens
AT1R	Angiotensin Type 1 receptor
KDPI	Kidney Donor Profile Index
KPD	Kidney Paired Donation
LDD	Living Directed Donor
LNDD	Living Non Directed Donor
mPRA	Match panel-reactive antibody. Provides an estimate of the percentage of deceased organ donors that will be incompatible for a recipient based on the antigens assigned as unacceptable for a recipient. This is based on a pool of donors from the Australian population, and should represent the HLA antigen frequency in the population. If more than one HLA antigen is unacceptable, the mPRA is the total frequency of the HLA antigens.
OOL	Organ Offer List
OM	OrganMatch
Transplantation Portal	OrganMatch portal for transplant clinicians and coordinators. Previously known as Clinical Portal
TWL	Transplant Waiting List
UA	Unacceptable Antigens