# PURPOSE

This document describes the process of updating and managing recipient and donor profiles after the allocation of an organ donor (deceased or live) and workup is complete.

## 1. UPDATE DECEASED DONOR TRANSPLANT DETAILS

### **1.1 UPDATE MATCH EVENT OUTCOMES**

The laboratory will receive notification of the outcome of the allocation of the organs from a deceased organ donor through the Donate Life agencies or the Transplant Unit. The Match Event Outcomes require updating for the organs that were declined and to link the organs that proceeded to transplant.

1. Find the donor record in the **Donor Dashboard**.



2. Click View TWL Match to navigate to the TWL Matching Screen.

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Male 54 years 8 months (21/06/1968)		om (04	ID 0005791 Lab NSW		Bonor ID 023-027 Hospital John Hun	9 ter Hospital			Match Profile
Matching Parameters									
latching OM Lab *	Org	an Program *			Type of Matching			Algorithm *	
NJW	~			×	Agorithm match	ing	~		~
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<ul> <li>Matching Recipients</li> </ul>									
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3. Click the row of the recipient to navigate to the Match Event.

	ECLASED DONOR					RECIPIE	NT			
Female 4 years 7 months	6	OM ID 0008015 OM Lab NSW	Dener ID 025-1060 Hespital Children's Hospital We_	Person Profile	÷	Male 17 years 8 months	٥	OM ID-0054721 OM Lab NSW	Leb Ref PO012508 KR	Person Profile
									Of Generate Match Event Rep	not (Pilipublish
Information										
Match event outcome										
Histocompatibility ass	ssment									
Recipient transplant h	story									
Notes & attachments										
> Providers										
Match parameters										
Matching algorithms a	rocessed									

4. Click Edit in the Match event outcomes.

Match event outcomes				
Munched Date Al 06/11/032 1951 W Computibility Status Or Digibili for other - Nex Computibile Reason - Community Community	lgerføre Ansessment 1 Mer Status	Slack Reason - Reason(i) far Dedine -	Transplanted	7te

5. If the offer is accepted, select **Accepted** from the **Offer Status** dropdown, select **Yes** for **Transplanted** and modify the **Transplant Date** if required.

Autohed Date	Alg	orithm Assessment:		Blocked Reason					- 8
5/01/2024 12:48	Yes								- 1
ompatibility Status	on	er Status		Reason(s) for Decline		Reason(s) for Decline Selected	Transplanted	Transplant Date	_
Eligible for offer	~ A	coepted	$\sim$	Please Select	~		Nex No.	15/01/2024	_
								Manday, January 15, 2024	
iot Compatible Reason									- 1
Please Select	~								

6. Click Save.



7. A confirmation will pop up noting that a transplant event will be created, and enrolments will be updated. Click **Yes**.

<ul> <li>A transplant event will be created for this pair</li> <li>The donor and recipient enrolments will be updated</li> <li>The centre credit balance will be adjusted</li> <li>Are you sure you want to continue?</li> </ul>		OrganMatch will do the following (as applicable):
Are you sure you want to continue?	8	<ul> <li>A transplant event will be created for this pair</li> <li>The donor and recipient enrolments will be updated</li> <li>The centre credit balance will be adjusted</li> </ul>
, , , , , , , , , , , , , , , , , , , ,		Are you sure you want to continue?

Note: The credit centre balance is adjusted when a deceased donor kidney transplant is linked. See **1.2 Credit** Centre Balance for further information.

8. The system will navigate to the Transplant Event where details can be modified if required.

		DECEASED DOMOR							CONT			
Female 4 years 7 me	nths	٥	GM ID 0058015 GM Lab NS87	Donor ID S Hospital C Vie	125-1060 Nidhen's Hospital	Desen Profile	🛊 🔤	ala auto 3-montito	٥	CMILLE NSW	Lub Ref (10028566-KR).	Deposition Drofile
~	Specific	A10501	A*02:01	2785	Moderate	04/10/2025			lg6	ED'IA, Adapt	th Class I	
~	Specific	A*0206	A102-01	2379	Moderate	04/10/2023			195	ED1A, Adapt	th Cieco I	
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9. To modify the Transplant details, click on the row. Update the details in the pop-up box as required, click **OK** and click **Save**.

Transplant Details		×
Transplant Date *	Recipient Transplant Hospital	
17/10/2023	Westmead Hospital - Renal Unit	
Tuesday, October 17, 2023		
Organs Transplanted	Transplant Outcome	
Kidney	Functioning	~
Outcome Date	Cause of Graft Failure	
dd/mm/yyyy	Please Select	~
Transplant Details	Transplant Pathway	
Right 🗸	TWL	
Comments		
	Cance	и ок

10. The Transplant Event is automatically published to allow viewing in the Transplantation Portal. If editing occurs the Transplant Event will be unpublished. Click **Publish** to publish the most recent version to the Transplantation Portal.



11. Repeat Steps 1 to 8 with the other recipients that received transplants.

12. If there were declines for the Kidney recipients record these in Match event outcomes.

Click **Edit**. Select **Declined** from the **Offer Status** dropdown and select the appropriate reason from the **Reason(s) for Decline** dropdown. Multiple reasons can be selected from the dropdown if more than one reason is given. Further comments can be added to the **Comments** box if required. See Appendix 1 for decline reasons.

	Algorithm Assessment:		Blocked Reason			- 10
11/2024 12:48	Yes.					- 88
rpatibility Status	Offer Status		Reason(s) for Decline	Reason(a) for Decline Selected	Transplarited	- 88
igible for affer	✓ Declined	~	1 items selected	<ul> <li>No Suitable recipient - Positive Crossmatch / Exountyping - DSA</li> </ul>	Ters Palo	- 84
Compatible Reason						- 84
issue Select	*					- 84
						- 84
mens						- 8
						- 88
						- 88
					_	
					Same Ca	Kari 🛛

Note: Any declines for Kidney recipients are required to be reported in OrganMatch for auditing purposes.

13. Click Save.



14. Upload as a note in the donor record any documentation associated to offer outcome, including declines, that are received from Donate Life agencies or Transplant units.

Note Attachments		
litie *		
Donor Summary		
Category	Sub-Category *	
Person	Transplants	~
nclude in Notes section of Reports Yes No		
internal Note	Include in Match Event	
Yes No	Yes No	
B $I \cup  i\equiv :=$		
Donor summary		
	Cancel	Save

### **1.2 CREDIT CENTRE BALANCE**

When a kidney is allocated and transplanted, the organ exchange table is updated. If the kidney is transplanted to an interstate recipient, the balance between the two states is updated. The centre credit difference is calculated by taking the donor OM lab centre credit minus the recipient OM lab centre credit. This credit centre difference is used in the Kidney Matching Algorithm. Refer to *OM-012 Principles of the Kidney Matching Algorithm* for further details.

If a kidney is allocated and transplanted to an interstate recipient on the Kidney Interstate Utilisation Algorithm, and the recipient is rank 20 or numerically higher, the centre credit balance is not updated.

The Organ Exchange table can be viewed in **Reports**.

1. Click the **Reports** menu.



2. Select Organ Exchange Report from the dropdown menu.

Organ Exchange Report	~
Senerate Report	

3. Click Generate Report.



4. The Organ Exchange Report is displayed and can be printed or downloaded.

							0
				Recipient OM Laboratory			
onor OM Laboratory	NSW	NZ	QLD	SA	VIC	WA	Total Organs Exchanged
NSW	4185	0	428	241	572	176	5602
NZ	0	0	0	0	0	0	0
QLD	465	0	2789	92	269	61	3676
SA	245	0	135	1552	158	49	2139
VIC	532	0	249	208	4235	102	5326
WA	178	0	73	46	91	1111	1499
al Organs Exchanged	5605	0	3674	2139	5325	1499	18242

### **1.3 UPDATE PROGRAM ENROLMENTS OF TRANSPLANTED RECIPIENTS**

When a recipient has been transplanted, the enrolment is ended that is associated with the donor pathway. If a recipient is enrolled on other programs, these must also be ended. If the recipient has a live donor registered in OrganMatch, the program enrolments must also be ended for the donor.

1. On the person's profile in OM, select the **Program enrolments** tab.



2. Click on a current enrolment.

Current History		
Add Enrolment		
Role 11	Organ Program 11	Pathway †↓
Recipient	Kidney	LDD

3. Click Edit and click End enrolment.



4. Select Transplanted from the Reason For Ending Enrolment dropdown and click Save.

Reason For Ending Enrolment *	
Transplanted	~
	Cancel Save

5. Click **Personal links** and click on the link for the donor.



6. In the donor record click on the **Program enrolments** tab.



7. Click on a current enrolment.

Current History		
Add Enrolment		
Role 11	Organ Program 11	Pathway ↑↓
Living Directed Donor	Kidney	LDD

8. Click Edit and click End enrolment.



9. Select Linked recipient has been transplanted via TWL from the Reason For Ending Enrolment dropdown and click Save.

ind Enrolment	×
Reason For Ending Enrolment *	
Linked recipient has been transplanted via TWL	~
	Cancel Save

10. Repeat Steps 5 to 9 for any other associated donors.

## 2. UPDATE LIVING DIRECTED/NON-DIRECTED OR PAIRED DONOR TRANSPLANT DETAILS

After a live organ donor transplant, once a notification is received that the transplant is complete the Match Event outcomes for the donor and recipient can be updated. The recipients transplanted via KPD pathway will be updated by the KPD National Office.

#### 2.1 UPDATE MATCH EVENT OUTCOMES

1. Search for the recipient profile in OM and select the Match history tab.



2. Find the donor by either selecting LDD from the Transplant Pathway or search for the donor by name in the Matched Person box.

														C view Names
	Program			Transplant Paths				Algorithm. how	-			Where Share Adapart &	Anti-Attanty Co	erenziti Regnett
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	THY.	120	3647/2013 (565	man daugi	ono-ensi-	hotes.			-	314	RUA	NA	Page 1	14

3. Click the row of the donor to navigate to the Match Event.

	DECEASED DONOR						RECIPIENT			
Female 4 years 7 months	0	OM ID 0088015 OM Lab NSW	Doner ID 023-1060 Hespital Children's Hospital We	Person Profile	ŧ	Male 17 years 8 months	0	OM ID 0054721 OM Lib NSW	Lab Ref P0012508 KR	Person Profile
									@Generate Match Event Report	(Pitryublish
Information										
Match event outco	mes									
Histocompatibility	assessment									
Recipient transplar	t history									
Notes & attachmer	65									
> Providers										
Match parameters										
Matching algorithe	s processed									

4. Click Edit in the Match event outcomes.

				710
fandwed Date	Algorithm Assessment	Block Reason		3104
601/2024 1991	10			
ompatibility Status	Offer Status	Reason(s) for Decline	Transplanted	
ligible for offer				
int Compatible Reason				
ommunia				

5. Select Accepted from the Offer Status dropdown, select Yes for Transplanted and modify the Transplant Date if required.

hed Date 7/2023 1943	Algorithm Assessment N/A		Blocked Reason					- 1
patibility Status	Offer Status		Reason(s) for Decline		Reason(s) for Decline Selected	Transplanted	Transplant Date	
	Accepted	$\sim$	Please Select	~		No. No.	15/01/2024	
							Monday, January 75, 2024	
Compatible Reason								- 8
								- 8

6. Click Save.



7. A confirmation will pop up noting that a transplant event will be created, and enrolments will be updated. Click **Yes**.

8. The system will navigate to the Transplant Event where details can be modified if required.

Female		OM ID 0086388	Lab Ref	OD P0024037			Male		OMIE	0 0006387 Lab Ref	P0024036 KR	
55 years 1	month 🤨	OM Lab NSW			Person Profile	T	53 years 2 months		OML	ab NSW		Person Profile
Protomation at	10401 https://											
CDC XM Asse	ssment											
Now XM Asse	sament											
Jument T and	8 cell flow crossmatch Negative	in serum dated 25/09/20	13 Negativ	re T cell threshold crossmat	tch channel value < 245	. Negati	ve & cell threshold on	ossmatch channel valu	e < 320.			
Virtual XM As	sessment											
Show on Report	Serum Sample Reference	Serum Sampte Date	Ti	Cell Sample Reference	Crossmatch type Ti	11	ve Cell Treatmen	M Result Score	TJ .	Channel Shift from the	reshold XM Date	Test Date
*	N-23-18653-A	25/09/2023	No	N-23-18658-A	FXM-T-lgG		Pronase		Negative	-72	27/09/202	3 27/09/2023
~	N-23-18653-A	25/09/2023	No	N-23-18658-A	FXM-8-lpG		Pronase		Negative	-80	27/09/202	3 27/09/2023
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9. The Transplant Event is automatically published to allow viewing in the Transplantation Portal. If editing occurs the Transplant Event will be unpublished. Click **Publish** to publish the most recent version to the Transplantation Portal.



10. Upload the documentation as a note in the recipient's record.

Note Attachments	
Title *	
Transplant confirmation	
Category	Sub-Category *
Person	Transplants 🗸
Include in Notes section of Reports	
Yes No	
Internal Note	Include in Match Event
Yes No	Yes No
Details *	
B <i>I</i> <u>∪</u> i≡ i≡	
Transplant confirmation	

## 2.2 UPDATE PROGRAM ENROLMENTS OF TRANSPLANTED RECIPIENTS

When a recipient has been transplanted, the enrolment is ended that is associated with the donor pathway. If a recipient is enrolled on other programs, these must also be ended. If the recipient has other live donors registered in OrganMatch, the program enrolments must also be ended for the donor.

1. On the person's profile in OM, select the **Program enrolments** tab.



2. Click on a current enrolment.

Current History		
Add Enrolment		
Role 11	Organ Program 11	Pathway ↑↓
Pariniant	Kidnev	TWL

3. Click Edit and Click End enrolment.



4. Select Transplanted from the Reason For Ending Enrolment dropdown and click Save.

nd Enrolment	×
Reason For Ending Enrolment *	
Transplanted	~
	Cancel Save

5. Click **Personal links** and click on the link for a donor.



6. In the donor record Click on the **Program enrolments** tab.



7. Click on a current enrolment.

Current History		
Add Enrolment		
Role 11	Organ Program 11	Pathway 1
Living Directed Donor	Kidney	LDD

8. Click Edit and Click End enrolment.

_	
🕼 Edit	× End enrolment
-	

9. Select Linked recipient has been transplanted via TWL from the Reason For Ending Enrolment dropdown and click Save.

ind Enrolment	
Reason For Ending Enrolment *	
Linked recipient has been transplanted via TWL	~
	Cancel Save

10. Repeat Steps 5 to 9 for any other associated donors.

# 3. REVERSING A TRANSPLANT

If a transplant is incorrectly selected a transplant can reversed. Contact OrganMatch Application Support to reverse the transplant and ensure any information is deidentified.

When a transplant is reversed the Organ Exchange table is also reversed, except of the recipient was matched on the Kidney Interstate Utilisation Algorithm at a rank of 20 or numerically higher. See **1.2 Credit Centre Balance** for further information.

1. Search for the recipient profile in OM and select the Transplants tab.



2. Click on the record that needs to be reversed.



3. Click Reverse Transplant.

<b>Reverse Transplant</b>	

4. Click **Yes** on the confirmation box.

	OrganMatch will do the following (as applicable):
0	Match event transplant status will be reversed
	to No
	<ul> <li>This transplant event will be removed</li> </ul>
	<ul> <li>The end date for the donor and recipient</li> </ul>
	enrolments for this Transplant Event will be removed
	<ul> <li>The organ status will be reset to available</li> </ul>
	<ul> <li>The centre credit balance will be reversed</li> </ul>
	<ul> <li>The EPTS will be recalculated</li> </ul>
	Are you sure you want to reverse this transplant?
	No Yes

5. The Transplant is reversed and the program enrolments are reinstated. Check the recipient and donor enrolments have the correct status.

## 4. UPDATING A TRANSPLANT EVENT

Transplant events can be edited after they have been created. This may be required, as further testing may have been performed for either the patient and/or donor. Editing the transplant event will allow new results to be included in transplant event. A new version of the transplant event is created and further post-transplant histocompatibility assessments can occur. All versions of the transplant events are retained, but once a new version has been created, the previous versions are no longer editable.

1. Search for the recipient profile in OM and select the **Transplants** tab.



2. Click on the record that needs to be updated.



3. Click Edit. Any new HLA typing results that have been authorised will automatically populate.



4. Click Save.



5. If a new DSA assessment is required for post-transplant reporting, click Edit and Check for recipient DSA.



6. Select the DSA for reporting and complete the **DSA assessment**.

lass Land II 0	SA identified										~	
Show on Report	DSA Category 11		Recipient Antibody 11	Donor HLA 11	MPI 11	Strength Rating TL	Sample Date 11	DSA Note 11	Sext Result Reportable Note 11	lg Isotype 11	Sera Treatment 11	Class 11 Sample Tag 11
	Specific	~	8*39i01	8*39.06	23015	Strong	04/09/2019			lgG	EDITA	Class I
	Specific	¥	8*55:01	8*55:01	19291	Strong	04/09/2019			lgG	EDITA	Class I
	Specific	¥	8155.04	8*55.01	3727	Moderate	05/03/2018		Supplementary kits	lg6	EDITA	Class I
	Specific	~	8139.06	8139.06	2201	Moderate	07/09/2020		Supplementary kit	lg6	EDITA	Class I
	Specific	~	P2804	8129.05	1855	Weak	07/09/2020		Supplementary kit	lg5	EDITA	Class I
	Specific	~	P-29-05	8129.05	1276	Weak	07/09/2020		Supplementary kit	lgG	EDTA	Class I

7. Click **Save**. Refer to *OM-007 Report Generation- Laboratory Portal* for further information on generating reports.



# APPENDIX 1: REASONS FOR DECLINE

Reason For Decline	Scenario
Not Medically Suitable - Acute Clinical Course	Select when an organ is declined due to the cumulative effect of the admission clinical course and current acute clinical presentation.
Not Medically Suitable - medical history/comorbidities	Select when an organ is declined due to the cumulative effect of the donor's medical history and/or recognised comorbidities.
Not Medically Suitable - Organ Disease	Select when an organ is declined due a specific diagnosed disease of the organ.
Not Medically Suitable - Organ Function	Select when an organ is declined due to assessment of the current function.
Not Medically Suitable - Organ Trauma	Select when an organ is declined due to trauma to the organ.
Not Medically Suitable – Other	Select if an organ is declined and is described as not medically suitable for transplant for a specific reason other than any of the prepopulated selections.
Not Medically Suitable - Prediction of time to death post WCRS	Select when an organ is declined due to the transplant unit assessment/judgement that the potential donor would not die in the required organ specific timeframe, regardless of organ function and/or medical history.
No Suitable recipient - Donor vs recipient conditions	Select when the organ is declined due to donor profile factors (such as extended suitability criteria, age, pathway) and although potentially transplantable, at the time of offer there are no recipients deemed suitable by the unit to accept the organ.
No Suitable recipient - Positive Crossmatch / tissuetyping - DSA	Select when the offer has been declined due to the presence of donor specific antibodies (DSA's) deemed unacceptable for transplantation.
No Suitable recipient - Positive Crossmatch / tissuetyping - HLA mismatches	Select when the offer has been declined due to HLA mismatches.
No Suitable recipient - Size mismatch	Select when the offer is declined due to no size matched patients on waiting list.
No Suitable recipient - Other- Age mismatch	Select when the offer is declined due to the donor and recipient age variance.
No Suitable recipient - Other	Select if an organ is declined for a reason described as no suitable recipient with a specific reason other than any of the pre-populated selections.

Reason For Decline	Scenario
No Suitable recipient - Other- Already Transplanted	Select when the offer is declined as the recipient has already received an offer, accepted and received/receiving a transplant from another donor.
No Suitable recipient - Other - Potential recipient unfit for transplant	Select when the offer is declined due to the identified recipient being unfit to receive the transplant at that time.
Transmission Risk - Discovered positive serology	Select when an organ is declined due to a positive serology or NAT result.
Transmission Risk - History of positive serology	Select when an organ is declined due to a history of a positive serology or NAT result.
Transmission Risk - Malignancy transmission risk	Select when an organ is declined due to the donor's documented cancer history or identified risk of malignancy that has not been previously diagnosed.
Transmission Risk -Infectious disease transmission risk	Select when an organ is declined due to the risk of donor transmission of an infectious disease.
Transmission Risk -Other	Select if an organ is declined for a reason described as no suitable recipient with a specific reason other than any of the pre-populated selections.
Logistics - Cost of retrieval	Select when the organ offer is declined when the cost of providing a retrieval team and/or organ transportation from donor hospital to the transplant unit is deemed excessive.
Logistics - Covid 19	Select when the organ offer is declined due to logistical issues with Covid 19 restrictions.
Logistics - Extended cold ischaemic time	Select when an organ is declined specifically due to the calculated/estimated cold ischaemic time the organ will incur.
Logistics - Extended organ evaluation unavailable	Select when an organ offer is declined due to the inability to facilitate requested additional investigation/s to assess organ suitability, resulting in the transplant unit being unable to deem an organ medically suitable for transplant.
Logistics - Extended response time to organ offer	Select if the transplant unit has failed to provide a response to an organ offer within the allowed timeframes.
Logistics - Offer waived for urgent listing or national notification	Select when an organ offer is deferred by the home state transplant unit to make an organ offer to a current urgent listing or national notification recipient.
Logistics - Other	Select if an organ is declined due to a specific logistical reason other than any of the pre-populated selections.

Reason For Decline	Scenario
Logistics - Transplant service unavailable	Select if an organ is declined specifically due to the required transplant team/service being unavailable.
Logistics - retrieval service unavailable	Select if an organ is declined specifically due to the required retrieval team/service being unavailable.
Intra-operative Surgical Injury	Select if an organ is declined due to a surgical injury at the time of the operation.
Assessment at transplant unit	Select if an organ is declined after retrieval by the Transplant Unit.
Surgical Retrieval Injury	Select if an organ is declined due to an injury sustained during surgical retrieval.

# DEFINITIONS

Term/abbreviation	Definition
Centre	OrganMatch Lab
Centre Credit Difference	Donor state OM lab credit –recipient OM lab centre credit
DSA	Donor Specific Antibodies
KPD	Kidney Paired Donation
LDD	Living Directed Donation
ОМ	OrganMatch
OM Lab Credit	OM Lab credit = total number of kidneys donated – total number of kidneys received
TWL	Transplant Waiting List

# **REFERENCED INTERNAL DOCUMENTS**

Document number	Source
OM-007	Report Generation- Laboratory Portal
OM-012	Principles of the Kidney Matching Algorithm

# **CHANGE HISTORY**

Version number	Effective date	Summary of change
1	06/02/2024	New version of document
2	Refer to footer	Appendix 1 Reasons for decline table updated:
		<ul> <li>Removed No Suitable recipient – Positive crossmatch/tissue typing - XM</li> </ul>
		<ul> <li>Added No Suitable recipient - Other- Already Transplanted</li> </ul>
		<ul> <li>Added No Suitable recipient - Other - Potential recipient unfit for transplant</li> </ul>

Version number	Effective date	Summary of change
3	Refer to footer	Sprint 52 updates:
		<ul> <li>Section 1.2 added to describe the centre credit balance and the update for interstate utilisation.</li> </ul>
		Addition of definitions to the table.
		Other:
		<ul> <li>Section 3 updated to reflect new process of reversing a transplant.</li> </ul>

# **ELECTRONIC SIGNATURE**

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