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A deceased organ donor is worked up by the Donate Life agencies who enter clinical data into the Electronic Donor Record (EDR). The EDR is integrated with OrganMatch, and the donor is enrolled via the Donation Portal (DP).

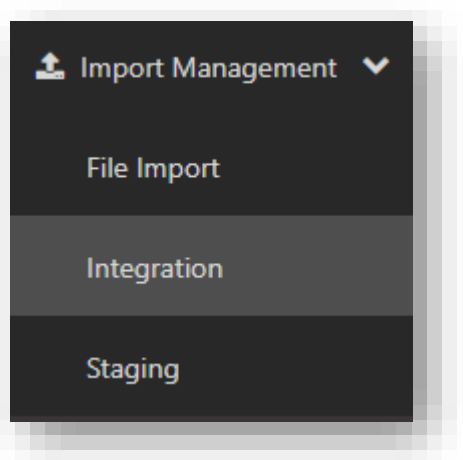
A minimum data set is required in the EDR for a transfer to occur to OrganMatch and the donor record and enrolment to be created.

Creation of the donor profile and donor enrolment in OrganMatch with the following set (minimum data set) of data being transferred to OrganMatch from the EDR:

- First Name, Last Name, Middle Name.
- Date of birth
- Donor ID
- Hospital
- Country
- Residential state.
- Hospital reference.

DECEASED DONOR ENROLMENT

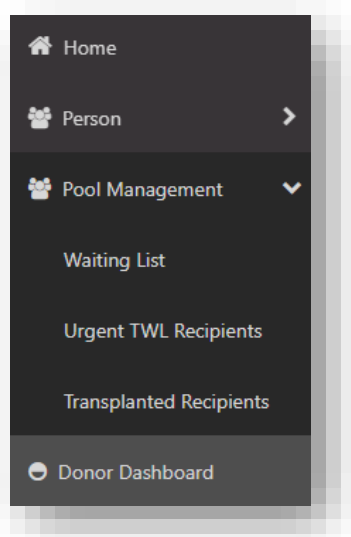
Data transfers received from the EDR can be viewed as the **Import Type** EdrPerson in **Import management, Integration**.



 A screenshot of a web form titled 'Import history'. It contains three filter sections: 'OM Laboratory' with a dropdown menu set to 'All', 'Import Type' with a dropdown menu set to 'EdrPerson', and 'Person Name' with an empty text input field.

NEW DONOR RECORD

The donor will appear in the **Donor Dashboard** once the EDR transfer has occurred. The **Ready** column indicates whether the donor is ready for matching and clicking on the cross will open a pop up displaying the reasons the donor is not ready.



1. Find the Donor profile using Donor Dashboard. This will be viewable once the data is transferred from the EDR.

Do not add a Donor Enrolment to OrganMatch.

Deceased Donor Dashboard

Filters

OM Laboratory: NSW | Hospital: All | ABO: All | Donor: | Outcome: All | [Reset Filters](#)

Date of Enrolment From: dd/mm/yyyy | Date of Enrolment To: dd/mm/yyyy

Results 4882 record/s found

Date of Enrolment T1	OM Lab T1	Match Date & Time T1	Donor ID T1	Hospital T1	ABO T1	Last Name T1	First Name T1	OM ID T1	Lab Reference T1	Outcome T1	Ready T1
03/06/2025	NSW	03/06/2025 19:12		Royal Prince Alfred HospiL	O			0095911	NP0086152	Intended	✓
02/06/2025	NSW			The Canberra Hospital	O			0095602	P0086074	Intended	✗
01/06/2025	NSW	02/06/2025 02:45		Tweed Valley Hospital	A			0095595	NP0085902	Intended	✓

2. Click to expand **Demographic & contact details** and check the OM lab. The OM lab will be automatically created using the donor hospital location ([see Appendix 1](#)). If the hospital is on state borders the OM lab may need to be updated. First name, last name, Date of Birth and Ethnic Origin are transferred from the EDR.

Demographic & contact details

Main information

Last Name *

First Name *

Date of Birth *

Age

Gender

Specific Ethnic Origin

Ethnic Origin

Contact information

OM Laboratory *

NSW

3. All medical information will be transferred from the EDR.

The following data can be viewed in Medical Information – Deceased Donor tab. This will include:

- Date of Death
- Cause of death
- Circumstance of death
- Donor pathway

Medical information

General Information
Deceased Donor

Deceased Donor information

Donation Pathway

Referral Number

Donor ID

Hospital

Hospital Reference

Details of death

Date of Death

EDR Cause of Death

EDR Circumstance of Death

Additional Details

Note: If the donor is the DCD pathway the **Date of Death** and **Donation Pathway** will be transferred from the EDR after completion of the donor.

4. Click to expand **Program enrolments** and click on the **Deceased Donor** enrolment.

▼ Program enrolments

Current

History

+

Add Enrolment

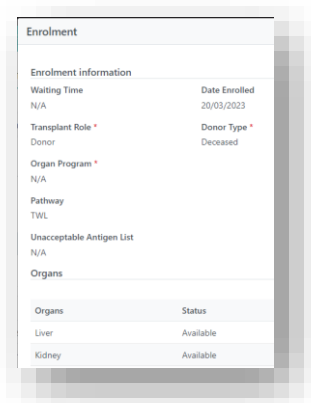
View Notes

Role T1	Organ Program T1	Pathway T1	Waiting Time T1	Ready T1	Status T1
Deceased Donor	N/A	TWL	N/A	✓	N/A

1 record(s) found

All consented organs will be transferred to OrganMatch as available and updates to the status can be made by the Donate Life agencies through the DP. The organ status can be available or retrieved to link a transplant.

Note: If Lungs are consented for donation one organ will transfer into the enrolment. If two single lungs are transplanted, an additional lung needs to be added to the enrolment prior to linking the transplant. If Pancreas is consented for donation the Pancreas Islets will also transfer in the enrolment.



Enrolment	
Enrolment information	
Waiting Time	Date Enrolled
N/A	20/03/2023
Transplant Role *	Donor Type *
Donor	Deceased
Organ Program *	
N/A	
Pathway	
TWL	
Unacceptable Antigen List	
N/A	
Organs	
Organs	Status
Liver	Available
Kidney	Available

5. If the organ is not transplanted, the **Organ Status** is updated by the Donate Life Agencies through the donation portal. The **Status** is selected as Retrieved or Not Retrieved with a selection from the **Utilisation Detail** dropdown specifying why.



Organs	Status	Utilisation Detail
Kidney	Not Retrieved	Organ not offered - not medically suitable
Lung	Not Retrieved	Declined in offer process
Heart	Not Retrieved	Organ not offered - not medically suitable
Liver	Not Retrieved	Post WCRS did not die in timeframe
Pancreas	Not Retrieved	Organ not offered - not medically suitable
Pancreas Islets	Not Retrieved	Organ not offered - not medically suitable
Intestine	Not Retrieved	Organ not offered - pathway

EXISTING PERSON RECORD

If a person has an existing record in OrganMatch a duplicate record will be created via the EDR integration transfer. This record is archived and the existing person record is updated with the new donor data.

1. Search the **Donor Dashboard** for the donor record created via the EDR interface.

Deceased Donor Dashboard

Filters

OM Laboratory: NSW | Hospital: All | ABO: All | Donor: | Outcome: All | [Reset Filters](#)

Date of Enrolment From: dd/mm/yyyy | Date of Enrolment To: dd/mm/yyyy

Results

4352 records found

Date of Enrolment ↑↓	OM Lab ↑↓	Match Date & Time ↑↓	Donor ID ↑↓	Hospital ↑↓	ABO ↑↓	Last Name ↑↓	First Name ↑↓	OM ID ↑↓	Lab Reference ↑↓	Outcome ↑↓	Ready ↑↓
03/06/2025	NSW	03/06/2025 19:12		Royal Prince Alfred Hosp...	O			0095611	NP0061152	Intended	✓
02/06/2025	NSW			The Canberra Hospital	O			0095402	P0086074	Intended	✗
01/06/2025	NSW	02/06/2025 02:45		Tweed Valley Hospital	A			0095395	NP0085902	Intended	✓

2. Remove the Donor ID from **Medical information**. Email OrganMatch support to archive the record.

Medical information

General Information | **Deceased Donor**

Deceased Donor information

Donation Pathway

-

Donor ID

D23-0318

3. Search for the existing person record. End the current enrolments and remove the Provider and Hospital links.

Current | History

[Add Enrolment](#)

Role ↑↓	Organ Program ↑↓	Pathway ↑↓
Recipient	Kidney	TWL

Hospital links

Current History

[Add Hospital Link](#)

Hospital 1

Royal North Shore Hospital - Renal Unit (NRNSR)

Gosford Hospital - Renal Unit (NGOSR)

Provider links

Current History

[Add Provider Link](#)

Provider 1

RNS Renal Co-ordinators

[Redacted Provider]

4. Add the Deceased donor enrolment but don't add any organs (they will be added via the EDR interface).

Enrolment

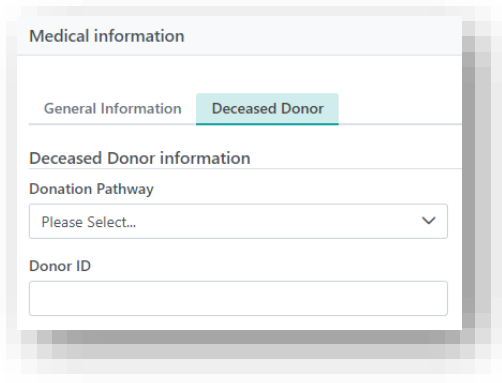
Enrolment information

Waiting Time	Date Enrolled
N/A	21/03/2023
Transplant Role *	Donor Type *
Donor	Deceased
Organ Program *	
N/A	
Pathway	
TWL	
Unacceptable Antigen List	
N/A	

Organs

Organs	Status
No records found	

5. Add the **Donor ID** in **Medical information**.



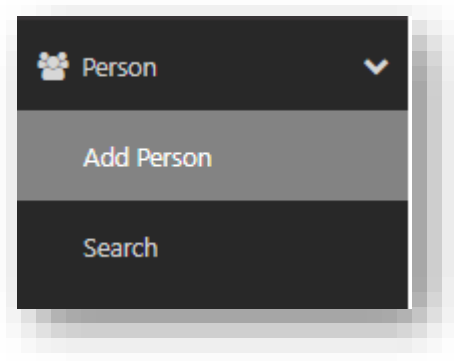
The screenshot shows a 'Medical information' form with two tabs: 'General Information' and 'Deceased Donor'. The 'Deceased Donor' tab is active. Below the tabs, there is a section titled 'Deceased Donor information' containing a 'Donation Pathway' dropdown menu with the text 'Please Select...' and a 'Donor ID' text input field.

6. Request Donate Life agencies to transfer the data form the EDR.

NEW ZEALAND DONOR RECORD

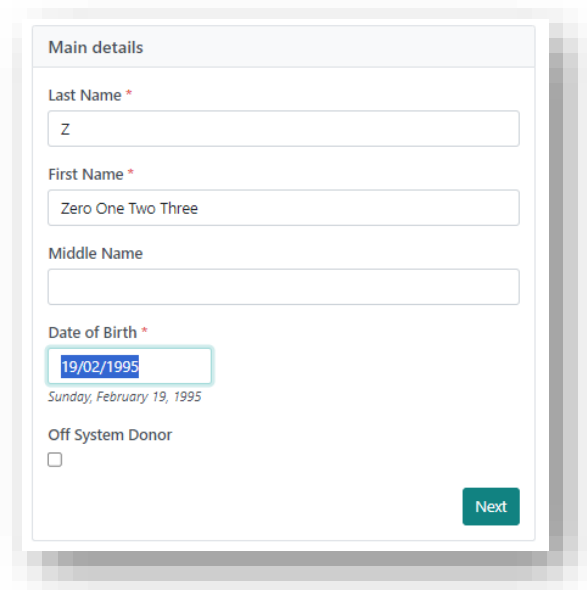
If a New Zealand deceased donor has offered organs to Australian recipients, it may be necessary to create a record for the donor to issue virtual crossmatch results to the transplant unit.

1. Select **Add Person** from the Person Menu.



The screenshot shows a 'Person' menu with a dropdown arrow. The menu is open, displaying two options: 'Add Person' and 'Search'.

2. Add the donor name and DOB. For example Donor Z0123 19/02/1995 is entered as **Last Name Z** and **First Name ZERO ONE TWO THREE**.



Main details

Last Name *

Z

First Name *

Zero One Two Three

Middle Name

Date of Birth *

19/02/1995

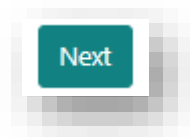
Sunday, February 19, 1995

Off System Donor

☐

Next

3. Click **Next**. The system will search for duplicates and display them or continue to the **Add Person** screen. Refer to [Person Details – Laboratory Portal \(OM-078\)](#) for further information about duplicate record check.



4. Add the following fields:
 - **Gender**
 - **Blood group**
 - **OM Laboratory** as NZ
 - **Residential Country** as New Zealand
 - **Residential State/Territory** as per the HLA typing report
 - **National Reference** as the patient ID per the HLA typing report

The screenshot shows a web form for entering deceased donor information. The form is divided into several sections with expandable headers:

- Main information:**
 - Last Name: Z
 - First Name: Zero One Two Three
 - Date of Birth: 19/02/1995
 - Gender: ☒ Female ☐ Male ☐ Unknown
 - Ethnic Origin: Please Select...
 - Specific Ethnic Origin: (empty field)
- Blood group:**
 - Interim ABO: ☒ O ☐ A ☐ B ☐ AB ☐ Unknown
 - Rhesis: ☒ Pos ☐ Neg ☐ Unknown
- Contact information:**
 - OM Laboratory: NSW ☐ QLD ☐ SA ☐ VIC ☐ WA ☒ NZ
 - Residential Country: New Zealand
 - Residential State/Territory: Auckland
 - Mobile Phone: (empty field)
 - Home Phone: (empty field)
- Reference information:**
 - National Reference: SXG2860
 - Laboratory Reference: (empty field)

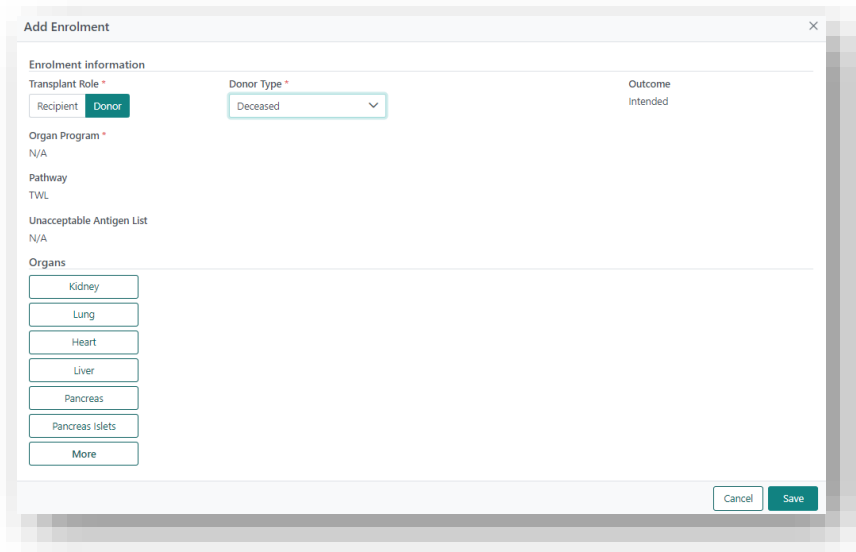
5. Click **Save**.

The screenshot shows two buttons side-by-side: a light blue button labeled "Cancel" and a dark teal button labeled "Save".

6. In **Program enrolments** click **Add Enrolment**.

The screenshot shows a button with a teal border and a teal background. It contains a small teal icon of a plus sign inside a square, followed by the text "Add Enrolment".

7. Select the **Transplant Role** as Donor, **Donor Type** as Deceased and select the **Organs** being donated.



Add Enrolment

Enrolment information

Transplant Role * Recipient **Donor** Donor Type * Deceased Outcome Intended

Organ Program * N/A

Pathway TWL

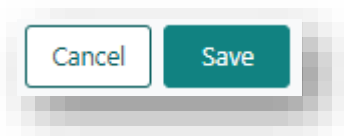
Unacceptable Antigen List N/A

Organs

Kidney Lung Heart Liver Pancreas Pancreas Islets More

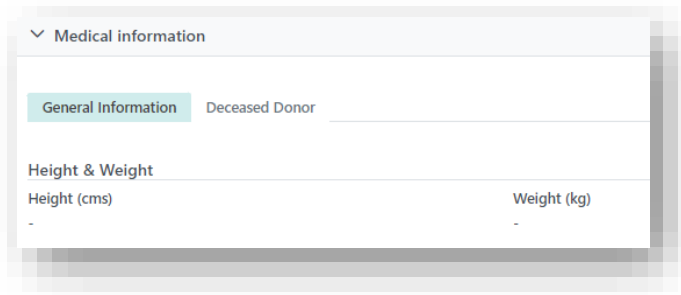
Cancel **Save**

8. Click **Save**.



Cancel **Save**

9. In Medical information add **Height** and **Weight**.



Medical information

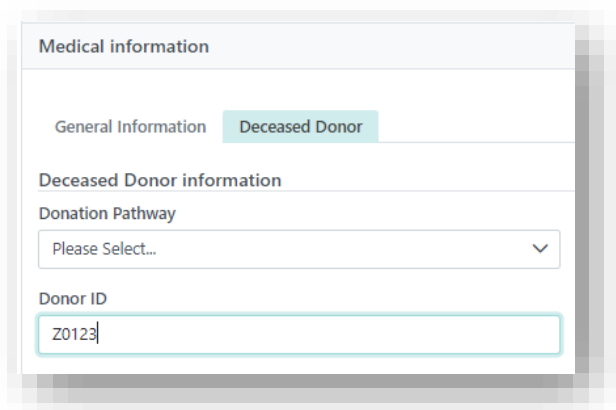
General Information Deceased Donor

Height & Weight

Height (cms) Weight (kg)

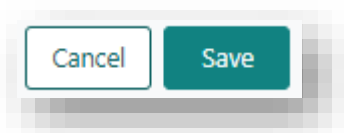
- -

10. Click the **Deceased Donor** tab and add the **Donor ID** as the Z number eg Z0123.



The screenshot shows a 'Medical information' form. At the top, there are two tabs: 'General Information' and 'Deceased Donor', with 'Deceased Donor' being the active tab. Below the tabs, the section is titled 'Deceased Donor information'. Under this, there is a 'Donation Pathway' dropdown menu currently showing 'Please Select...'. Below that is a 'Donor ID' text input field which contains the text 'Z0123'.

11. Click **Save**.



The screenshot shows two buttons side-by-side: a white 'Cancel' button and a teal 'Save' button.

12. Proceed to add HLA typing and perform a virtual crossmatch. Refer to *OM-063 Deceased Donor Matching-Laboratory Portal* for further information.

ABO RESULTS

The ABO report is transferred via integration from the EDR and added in the **Notes & attachments** section of the donor record through the Donation Portal. The report can be used to enter the result in the Laboratory Portal.

Refer to [Result Entry and Authorisation – Laboratory Portal \(OM-055\)](#) for further information on entering and confirming blood group results.

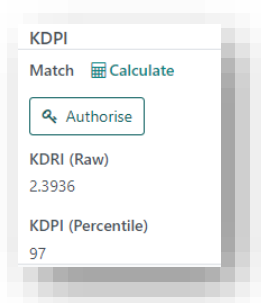
AUTHORISE MATCH KDRI AND KPDI IN ORGANMATCH

The Kidney Donor Profile Index (KDPI) is a numerical measure that combines nine donor factors specific to each deceased kidney donor, including clinical parameters and demographics, to express the quality of donor kidneys relative to other donor kidneys. The KDPI calculation is a score of 1 – 100% and is derived from a raw index score Kidney Donor Risk Index (KDRI). The score is based on the outcomes of kidneys that were transplanted in Australia in the previous 3 years. The KDRI is converted to a percentile to become the KDPI.

The cutoff points table is updated in OrganMatch every two years. For further information about the KDPI and KDRI calculations refer to the TSANZ website ([AustralianKDPIINFOv10.pdf](#)). All data for the calculation of the match KDPI and KDRI will be received through the EDR interface. Data will be continuously updated through the interface. Prior to matching data, the KDPI and KDRI needs to be authorised to stop these match data fields being updated in OrganMatch. A final push of data from the EDR should be requested from the Donate Life agencies prior to matching to ensure the KDPI calculation reflects the current results for the donor.

For paediatric donors (<18 years old) if the match KDPI percentile is calculated as more than 20%, the value will be capped at 20%. OrganMatch will automatically display the value as 20%. The audit KDPI percentile remains unchanged so the calculated percentile may be significantly higher than the displayed match KDPI percentile.

1. Search for the donor in the **Donor Dashboard**.
2. Click to expand **Program enrolments** and click on the **Deceased Donor** enrolment.
3. Click **Edit**, scroll down to the **KDPI Match** section and click **Authorise**. If the KDPI is not calculating, refer to [Troubleshooting](#).

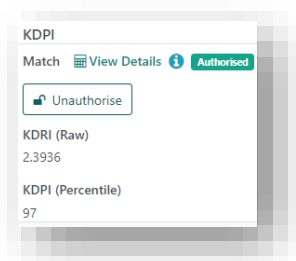


Note: If the KDPI is not authorised the following message will appear in the transplant waiting list matching screen:

“The KDPI for this deceased donor has not been authorised. Please check before proceeding to matching”.

4. If notified by the Donate Life agencies prior to matching, that changes have been made to any data fields that contribute to the KDPI calculation:

- unauthorise the match KDPI – the data will be retransmitted.
- repeat Steps 2 and 3 to re-authorise the result.



KDPI VALUES UPDATED AFTER TWL MATCH RUN

If the Donate Life agencies indicate the KDPI values have changes, then recalculation of KDPI may be required. If the TWL match has been run then perform the following:

If Match Event Assessments...	Then...
have not been performed	calculate the Match KDPI and KDRI as per Authorise Match KDRI and KPDI in Organmatch and proceed to re-matching.
have been performed	<ul style="list-style-type: none"> continue using the existing TWL match as the values will be populated in the Audit KDPI and KDRI instead. add a note to the donor record that the updated KDPI values were provided after matching.

AUDIT KDRI AND KDPI IN ORGANMATCH

Once match KDPI is authorised, all further updates of these data fields will be populated in **Audit** KDPI. Nothing further needs to be done with this data.

TROUBLESHOOTING

CALCULATE MATCH KDRI AND KDPI IN ORGANMATCH

The manual process described below is only used if the EDR OrganMatch Integration is not working.

1. Review the Match KDPI Form to ensure provided demographics are correct. Clarify any discrepancies with the Donate Life agency before commencing KDPI calculation.
2. Search for the donor in the **Donor Dashboard**.
3. Click to expand the **Medical information** tab and click **Edit**.

- In the **General Information** tab enter **Height** and **Weight** as provided on Match KDPI form. Click **Save**.

Medical information

General Information Deceased Donor

Height & Weight

Height (cms) Weight (kg)

###

- Click to expand the **Program enrolments** and click on the **Deceased Donor** enrolment.

Program enrolments

Current History View Notes

Add Enrolment

1 record/s found

Role T1	Organ Program T1	Pathway T1	Waiting Time T1	Ready T1	Status T1
Deceased Donor	N/A	TWL	N/A	✓	N/A

- Click **Edit**, scroll down to the **KDPI Match** section and click **Calculate**.

KDPI

Match Calculate

KDRI (Raw)

-

KDPI (Percentile)

-

- Enter the donor details from Section 1 of the Match KDPI Form into the available fields on the Calculate Match KDPI screen. Click **Calculate**.

Calculate Match KDPI

Age (Years) 69 KDRI (Raw) - KDPI (Percentile) -

Height (cms) 150 Weight (kg) 45

Cause of death cerebral infarction or intracranial haemorrhage? *
☐ Yes ☒ No ☐ Unknown

Diabetes? *
☐ Yes ☒ No ☐ Unknown

History of treated hypertension? *
☒ Yes ☐ No ☐ Unknown

Current Creatinine
 Date and Time 21/03/2023 15:39 Current Creatinine (µmol/L) 50

Renal replacement therapy in prior 24 hours? *
☐ Yes ☒ No ☐ Unknown

Intended donation pathway DCD?
☒ Yes ☐ No ☐ Not Determined

Comments

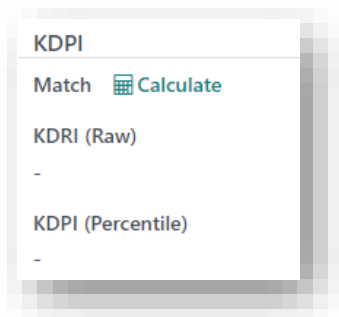
- A second user must authorise the data. Click **Edit** on the **Deceased donor** enrolment and click **Calculate**.
- If all details are correct, click **Cancel** and click **Authorise**.

INTENDED DONATION PATHWAY NOT DETERMINED


The default setting for the data fields in the KDPI is not determined. If the Donate Life agency selects Not Determined in the EDR for the intended donation pathway, the EDR interface will not perform an automatic calculation of the KDPI. This is due to OrganMatch not being able to distinguish between data fields not being completed and the pathway being selected as Not Determined. In this scenario the **Intended donation pathway DCD** field needs to be updated in the Lab Portal.

UPDATE THE MATCH KDPI

1. Search for the donor in the **Donor Dashboard**.
2. Click to expand **Program enrolments** and click on the **Deceased Donor** enrolment.
3. Click **Edit**, scroll down to the **KDPI Match** section and click **Calculate**.



KDPI

Match  Calculate

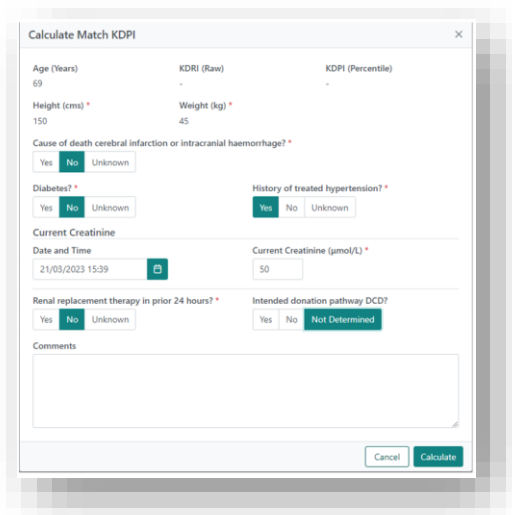
KDRI (Raw)

-

KDPI (Percentile)

-

4. Select **Not Determined** for **Intended donation pathway DCD**. Click **Calculate** and click **Save**.



Calculate Match KDPI

Age (Years)	KDRI (Raw)	KDPI (Percentile)
69	-	-

Height (cms) * 150 Weight (kg) * 45

Cause of death cerebral infarction or intracranial haemorrhage? *

Yes No Unknown


Diabetes? *

Yes No Unknown

History of treated hypertension? *

Yes No Unknown

Current Creatinine

Date and Time 21/03/2023 15:39  Current Creatinine (µmol/L) * 50

Renal replacement therapy in prior 24 hours? *

Yes No Unknown

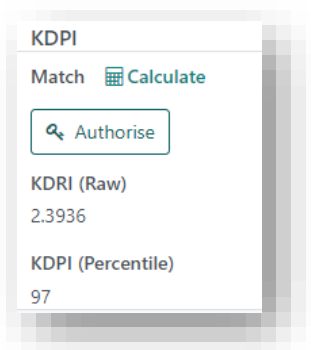
Intended donation pathway DCD?

Yes No Not Determined

Comments

Cancel Calculate

5. A second user must authorise the data. Click **Edit** on the **Deceased donor** enrolment and click **Authorise**.



KDPI

Match Calculate

Authorise

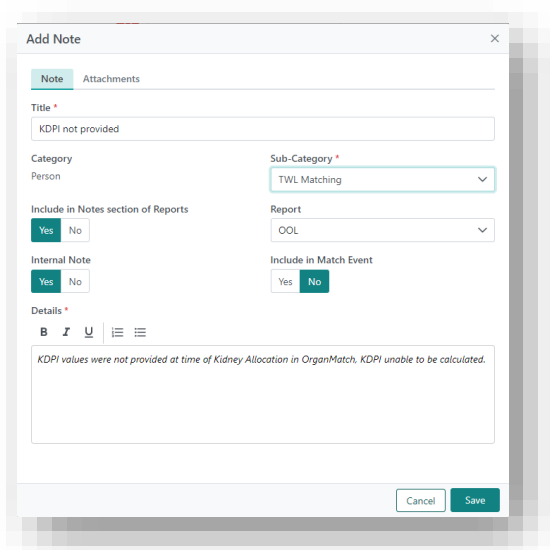
KDRI (Raw)
2.3936

KDPI (Percentile)
97

KDPI VALUES NOT PROVIDED

If KDPI values are unable to be provided then add a note to the donor record that *KDPI values were not provided at time of Kidney Allocation in OrganMatch, KDPI unable to be calculated.*

Use Report Category - TWL Matching, select **Include in Notes section of Reports** as **Yes** and select **OOL** from the Report dropdown.



Add Note

Note Attachments

Title *

KDPI not provided

Category

Person

Sub-Category *

TWL Matching

Include in Notes section of Reports

Yes No

Report

OOL

Internal Note

Yes No

Include in Match Event

Yes No

Details *

B I U | |

KDPI values were not provided at time of Kidney Allocation in OrganMatch, KDPI unable to be calculated.

Cancel Save

APPENDIX 1: MAPPING RULES FOR HOSPITAL

Donor Hospital State	OrganMatch Lab
ACT	NSW
NT	SA
NSW	NSW
QLD	QLD
SA	SA
TAS	VIC
VIC	VIC
WA	WA

DEFINITIONS

Term/abbreviation	Definition
ABO	ABO blood group system
ANZDATA	Australia and New Zealand Dialysis and Transplant Registry
Audit KDPI	KDPI value calculated post donation
DP	Donation Portal
EDR	Electronic Donor Record – External software where Donor information is collected and stored
KDPI	Kidney Donor Profile Index. A score of 1-100% that combines various donor factors including clinical parameters, to estimate the prognosis of deceased donor kidneys relative to other deceased donor kidneys. Lower KDPI values are associated with increased organ survival; higher KDPI values are associated with lower organ survival.
KDRI	Kidney Donor Risk Index. A raw index score based on the outcomes of kidneys that were transplanted in Australia in the last 3 years. This is converted to a percentile to make the KDPI.
Match KDPI	KDPI value calculated at the time of kidney allocation
OM	OrganMatch

REFERENCED EXTERNAL DOCUMENTS

Document title	Source
A Guide to the Australian Kidney Donor Profile Index (KDPI)	AustralianKDPIINFOv10.pdf

REFERENCED INTERNAL DOCUMENTS

Document number	Source
OM-055	Result Entry and Authorisation - Laboratory Portal
OM-063	Deceased Donor Matching – Laboratory Portal
OM-078	Person Details – Laboratory Portal

CHANGE HISTORY

Version number	Effective date	Summary of change
-	-	For previous change histories contact the National OrganMatch Office.
9	17/09/2024	Update for OrganMatch sprint 54: <ul style="list-style-type: none"> New donor record section updated with change in process for Organ Status selection. Other: <ul style="list-style-type: none"> New donor record section updated with process for DCD donors and medical information.
10	22/07/2025	Update for OrganMatch Sprint 58: <ul style="list-style-type: none"> ABO results updated to include new transfer of ABO report from EDR. Authorise match KDRI and KDPI updated to include information about the KDPI cutoff table Update to definitions table for KDPI and KDRI Addition of external references table.
11	Refer to footer	Update for OrganMatch Sprint 59: <ul style="list-style-type: none"> New donor record section updated with organ status selection options and utilisation detail in the enrolment.

ELECTRONIC SIGNATURE

Author	REBECCA SCAMMELL
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