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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).

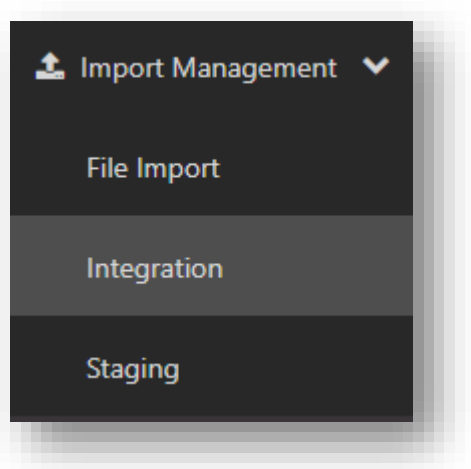
A minimum data set is required in the EDR for a transfer to occur to OrganMatch and the donor record and enrolment to be created.

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

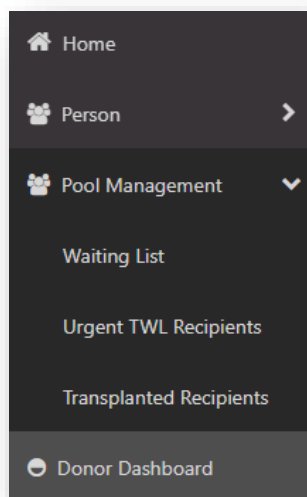
Data transfers received from the EDR can be viewed as the **Import Type** EdrPerson in **Import management, Integration**.



 A screenshot of a web form titled 'Import history'. It contains three filter sections: 'OM Laboratory' with a dropdown menu showing 'All', 'Import Type' with a dropdown menu showing '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	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 Hospi...	O			0095511	NP0086152	Intended	✓
02/06/2025	NSW			The Canberra Hospital	O			0095502	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.

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

Program enrolments View Notes

Current History

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

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	20/05/2023
Transplant Role *	Donor Type *
Donor	Deceased
Organ Program *	
N/A	
Pathway	
TWL	
Unacceptable Antigen List	
N/A	
Organs	

Organs	Status
Liver	Available
Kidney	Available

- 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 **Reason** dropdown specifying why.

Organs

Organs	Status	Reason
Heart	Not Retrieved	Organ not offered - not medically suitable
Liver	Not Retrieved	Family Withdrew consent
Pancreas	Not Retrieved	Declined in offer process
Pancreas Islets	Not Retrieved	Organ not offered - age of donor
Kidney	Not Retrieved	Family Withdrew consent
Kidney	Not Retrieved	Family Withdrew consent

## 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**

4/22 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 02:46		Tweed Valley Hospital	A			0095395	NP0083902	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 T1

Royal North Shore Hospital - Renal Unit (NRNSR)

Gosford Hospital - Renal Unit (NGOSR)

Provider links

Current

History

Add Provider Link

Provider T1

RNS Renal Co-ordinators

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

N/A

Date Enrolled

21/03/2023

Transplant Role \*

Donor

Donor Type \*

Deceased

Organ Program \*

N/A

Pathway

TWL

Unacceptable Antigen List

N/A

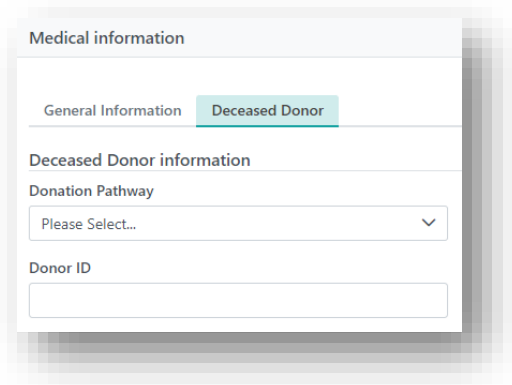
Organs

Organs

Status

No records found

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



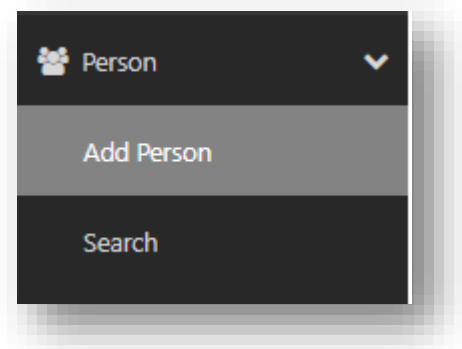
The screenshot shows a 'Medical information' form with two tabs: 'General Information' and 'Deceased Donor'. The 'Deceased Donor' tab is selected. Below the tabs, there is a section titled 'Deceased Donor information' containing a 'Donation Pathway' dropdown menu with the text 'Please Select...' and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

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

## NEW ZEALAND DONOR RECORD

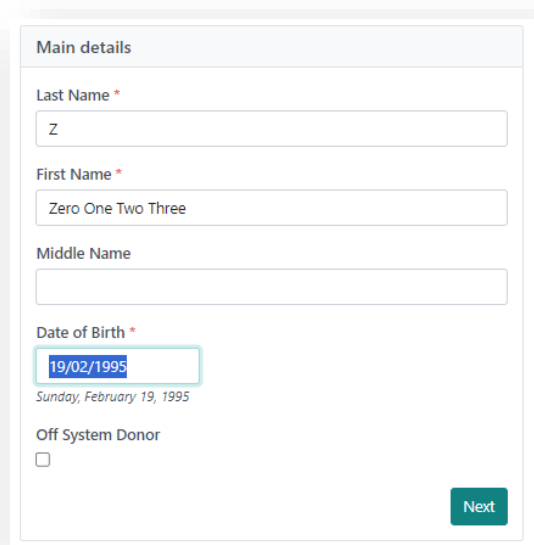
If a New Zealand deceased donor has offered organs to Australian recipients it may be necessary to create a record for the donor to issue virtual crossmatch results to the transplant unit.

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





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

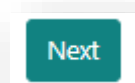
Sunday, February 19, 1995

Off System Donor

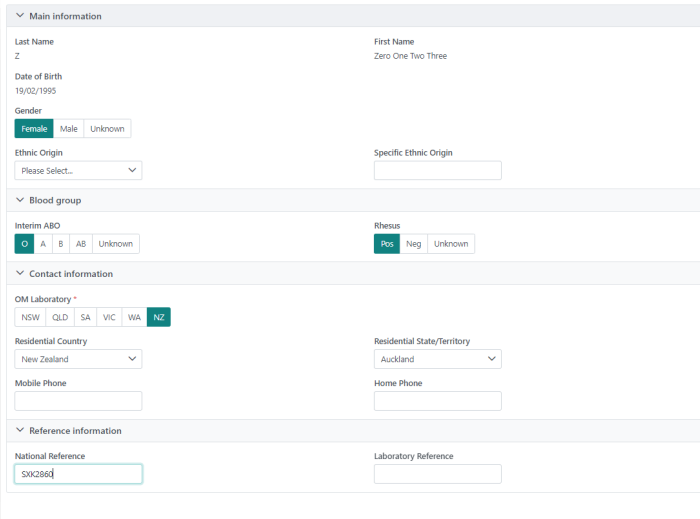
☐

Next

3. Click **Next**. The system will search for duplicates and display them or continue to the **Add Person** screen. Refer to *OM-078 Person Details- Laboratory Portal* 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



**Main information**

Last Name: Z

First Name: Zero One Two Three

Date of Birth: 19/02/1995

Gender: ☒ Female ☐ Male ☐ Unknown

Ethnic Origin:

Specific Ethnic Origin:

**Blood group**

Interim ABO: ☒ O ☐ A ☐ B ☐ AB ☐ Unknown

Rhombus: ☒ Pos ☐ Neg ☐ Unknown

**Contact information**

OM Laboratory:

Residential Country:

Residential State/Territory:

Mobile Phone:

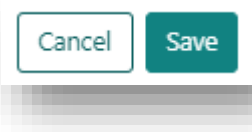
Home Phone:

**Reference information**

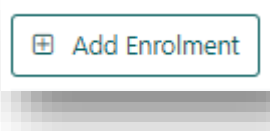
National Reference:

Laboratory Reference:

5. Click **Save**.



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

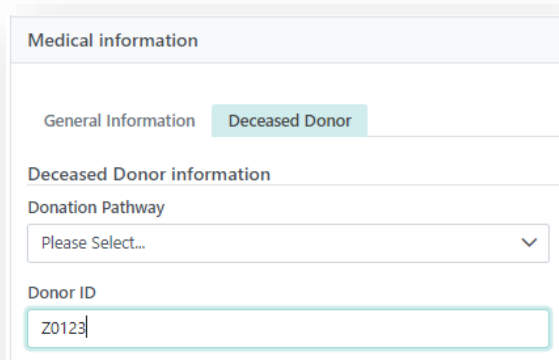


7. Select the **Transplant Role** as Donor, **Donor Type** as Deceased and select the **Organs** being donated.

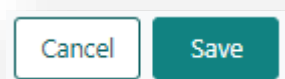
8. Click **Save**.

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

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



11. Click **Save**.



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 *OM-055 Result Entry and Authorisation- Laboratory Portal* for further information on entering and confirming blood group results.

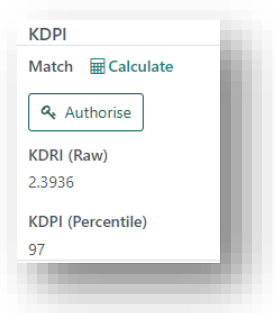
## AUTHORISE MATCH KDRI AND KPDI IN ORGANMATCH

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.

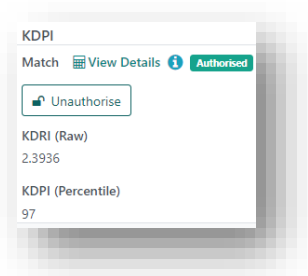
1. Search for the donor in the **Donor Dashboard**.
2. Click to expand **Program enrolments** and click on the **Deceased Donor** enrolment.
3. Click **Edit**, scroll down to the **KDPI Match** section and click **Authorise**. If the KDPI is not calculating, refer to **Troubleshooting**.



**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 <a href="#">Authorise Match KDRI and KPDI in Organmatch</a> and proceed to re-matching.
have been performed	<ul style="list-style-type: none"> <li>continue using the existing TWL match as the values will be populated in the Audit KDPI and KDRI instead.</li> <li>add a note to the donor record that the updated KDPI values were provided after matching.</li> </ul>

## 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 <sup>1</sup>	Organ Program <sup>1</sup>	Pathway <sup>1</sup>	Waiting Time <sup>1</sup>	Ready <sup>1</sup>	Status <sup>1</sup>
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**.

- 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.

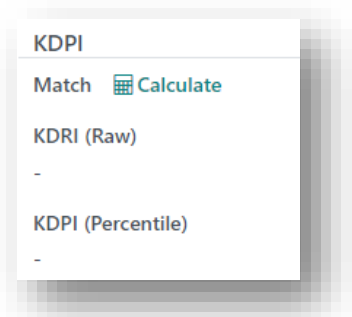
## UPDATE THE MATCH KDPI

- 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

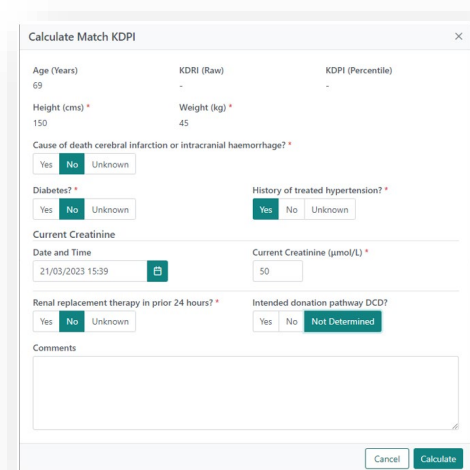
KDRI (Raw)

-

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

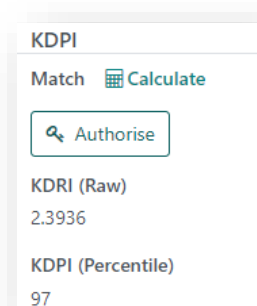
Current Creatinine

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

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.

The screenshot shows the 'Add Note' dialog box with the following details:

- Title:** KDPI not provided
- Category:** Person
- Sub-Category:** TWL Matching
- Report:** OOL
- Include in Notes section of Reports:** Yes (checked), No
- Internal Note:** Yes (checked), No
- Include in Match Event:** Yes, No (checked)
- Details:** KDPI values were not provided at time of Kidney Allocation in OrganMatch, KDPI unable to be calculated.

## 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)	<a href="#">AustralianKDPIINFOv10.pdf</a>

## 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.
8	28/05/2024	<p>Update for OrganMatch sprint 52:</p> <ul style="list-style-type: none"> <li>Updated section for authorising match KDPI to include new capped value for paediatric donors.</li> </ul> <p>Other:</p> <ul style="list-style-type: none"> <li>Updated document title to remove automated.</li> <li>Added information for enrolling a NZ donor</li> </ul>
9	17/09/2024	<p>Update for OrganMatch sprint 54:</p> <ul style="list-style-type: none"> <li>New donor record section updated with change in process for Organ Status selection.</li> </ul> <p>Other:</p> <ul style="list-style-type: none"> <li>New donor record section updated with process for DCD donors and medical information.</li> </ul>
10	Refer to footer	<p>Update for OrganMatch Sprint 58:</p> <ul style="list-style-type: none"> <li>ABO results updated to include new transfer of ABO report from EDR.</li> <li>Authorise match KDRI and KDPI updated to include information about the KDPI cutoff table</li> <li>Update to definitions table for KDPI and KDRI</li> <li>Addition of external references table.</li> </ul>

## ELECTRONIC SIGNATURE

Author	REBECCA SCAMMELL
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