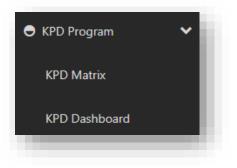
PURPOSE

This document describes the processes in OrganMatch for Offer Management in the Australian and New Zealand Paired Kidney Exchange (ANZKX) program.

KPD PROGRAM

The ANZKX user role in the OrganMatch Transplantation Portal allows users to access the KPD program menu. This contains the KPD Dashboard and the KPD matrix.



KPD MATRIX

The KPD Matrix displays recipients and donors who are enrolled on the KPD pathway. The outcomes of the matches are visible in the KPD Matrix as a Y (compatible), N (incompatible), B (blocked) or '-' ANZKX Registered Pair (ARP). Recipients or donors who are not "ready" but have a program enrolment will appear as a blank column or row in the matrix as no match events have occurred to populate the X and Y in matrix. Refer to *OM-061 Kidney Paired Donation (KPD) Matching- Laboratory Portal* for further information on the KPD Matrix.

| 10 Recipients | 2 Dor | nors | 6 | | D | All | Mat | tch Re | ady | | | | | | | | | | | | | | | | | | | | | | |
|-------------------|---------------|------|--------|--------------|---------------|----------------|-----------|----------------|------------------|---------------|-----------------|-------------|-----------------|----------------|---------------|-------------|----------------|--------------|----------------|-----------------|-------------|-------------|----------------|------------|------------|----------------|------------|-----------|--------------|---------------|--------------|
| | | Re | ecipie | ents | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Donor Matchae | | | AKZIT TKeabd | AMENLb GEIScH | AuipbwR SsNTvo | bclmxmNFp | beXvuzkV LpKkx | brysXfqc TjErize | bsjEvZUB FwZU | buSOVCQ PwytbmS | bWYFJ dzLPF | BzbHMyCi MTIsqA | CbUdWzX ZjQhAm | CGFYuvZ eajtO | CSODR qWBIZ | CZQx8Pk VfmojH | DARez n Ss O | dBWnwxy EMzULm | DceqZPI gcaewnD | DgkYMJ CREb | eDahH LHCKa | efHxvBuT UtBAG | Eftdl gKoE | eJrlb jnGl | emSdGft MODfEo | EokNa aOGN | Emx ByoSn | eSAIh CbWGou | Fjxglp Aqb.Fu | DVICUKD RLHd |
| Recipient Matches | | 4 | 8 | 1 | 41 | 1 | 0 | 1 | 39 | 0 | 0 | 2 | 48 | 10 | 0 | 8 | 0 | 47 | 28 | 36 | 0 | 0 | 0 | 48 | 0 | 2 | 97 | 1 | 0 | 98 | 34 |
| amEsAbyxG TgCQhZM | 9 | | | Х | Х | Х | | Х | х | Х | Х | Х | Х | Х | Х | х | Х | Х | Х | Х | х | Х | Х | X | х | Х | Y | X | Х | Y | X |
| aMZBk DZIOoV | 14 | 4) | | Х | | X | | х | х | Х | х | х | х | х | х | х | X | х | Х | х | х | х | х | X | X | X | | X | х | | X |
| aYkUhqMZV TPkUvh | 8 |) | | х | | | | х | х | х | | х | | х | х | | х | х | х | х | | х | х | | | х | | | х | | X |
| bBsNaRT uctTi | - 4 | 9 | 6 | Х | | х | | х | | Х | Х | | | х | х | х | х | | | Y | х | х | х | | х | х | | х | х | | Y |
| BNTxhlEau NLPBp | 8 | | | | | | | | | Х | | Х | | х | х | | х | | | | | х | | | | | | | | | X |
| bRIDhM CcWd | 13 | 2) | | х | | х | | х | х | х | | х | | х | х | | х | | х | х | | х | | х | | | | | х | | X |
| BRNGHjL CvaqJjk | 8 |) | | х | Х | х | | х | х | х | х | х | х | х | х | х | х | х | х | х | х | х | х | х | х | х | | х | х | | X |
| bVDxkX OxusPn | 0 |) | | Х | Х | х | | Х | х | х | х | Х | Х | х | Х | х | Х | Х | х | х | х | х | Х | х | х | Х | х | х | Х | | X |
| CBIaDSny wJHYgb | 3 | 9 | (| | | | | | | х | | х | Y | х | х | | х | | Y | | | х | | Y | | | В | | х | | Y |
| cNFdP HfNmutC | 1 | 1) | | х | Х | х | | Х | х | х | х | х | Х | х | Х | х | Х | Х | х | х | х | х | Х | х | X | х | | X | х | | Х |
| DimWNX LOnHDp | 4 | 1 | 6 | Х | Х | Х | | х | Х | Х | Х | В | | х | х | | Х | | | | х | Х | Х | | X | х | | х | х | | X |
| DJqNxrR oEUuay | 4 | 1 | (| х | | | | Х | | Х | | Х | | Х | Х | | Х | | Y | Х | | | | | | | | | Х | | Y |
| dQnCe eSUKg | 8 | | | | | | | | | Х | | Х | | Х | Х | | Х | | | | | | | | | | | | | | X |
| dsOpaU DUBWIO | 9 |) | < | Х | Х | | | | | | | | Х | Х | | | Х | Х | Х | Х | | | | X | | | | | | | X |
| eOEyX rPJT | 4 | 5 | 6 | Х | | | | | | Х | | Х | | х | Х | | Х | | | | | Х | | | | | | | Х | | Y |
| eWvf hpndFY | 4 | 5 1 | 1 | | | | | | | | | | | | | | X | | | | | | | | | | | | | | X |

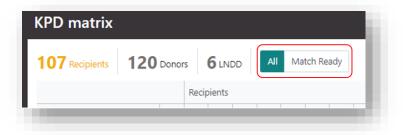
OM-030 VERSION: 7 EFFECTIVE DATE: 27/05/2025

Hover mouse over any cell in matrix and the recipient and donor detail will be visible in a popup, along with the eplet load from the match event. If a pair has been blocked, the blocked reason will also be visible in the hover box. The recipient or donor name will appear in red in the popup if they are red in the matrix.

To find a person quickly, use control F (find) and the name will be highlighted red in donor column and yellow in recipient's row.



To view the recipient match probability score for each donor, click the Match Ready button.



The Recipient Match Probability displays below the Recipient Matches row.

| 69 Dono | ors | O LN | DD | All | Ma | itch Re | ady | |
|-----------------------------|---------------|-------------|-----------------|--------------|--------------|---------------|------------------|-------------|
| | | Recip | ients | | | | | |
| | Donor Matches | HuUFh RqGez | HYhTPJsp xEbZNF | jCsh nTqcSlb | JQTKV UGPOzs | LjZdOo RygrWK | LSuQOXajf QEUhZK | ItirE RDgCX |
| Recipient Matches | | 0 | 25 | 25 | 2 | 2 | 34 | 15 |
| Recipient Match Probability | | 0.00 | 0.36 | 0.36 | 0.03 | 0.03 | 0.49 | 0.22 |

OM-030 VERSION: 7 EFFECTIVE DATE: 27/05/2025

KPD DASHBOARD

The KPD Dashboard allows the ANZKX team to view combinations and chains in the OrganMatch Transplantation Portal.

The KPD Dashboard displays current and historical published combinations.

The ANZKX Tissue typing coordinator (ATTC) confirms a chain in consultation with the ANZKX Director, these chains are then published In OrganMatch. They will then appear in the current tab in the KPD dashboard.

| | rent History | | | |
|---|---------------------|---------------------|---------------------|------------------------|
| | Date Generated | Date Saved | No Of Recipients | Run Name |
| Ø | 25/11/2023 12:49 | 25/11/2023 13:02 | 7 | CHAIN2023-022E NDAD |
| 0 | 20/11/2023 11:09 | 20/11/2023 11:24 | 5 | CHAIN2023-025 NDAD |
| 0 | 27/10/2023 16:42 | 27/10/2023 16:49 | 6 | CHAIN2023-021F NDAD |
| Ø | 06/09/2023 17:00 | 07/09/2023 09:22 | 2 | CHAIN2023-020 |

The match event for each pair in the chain can now be viewed.

| | | LIVING DIRECT | ED DONOR | 2 | | | | | | | | RECIP | HENT | | | | | | | | | |
|-------------------|-----------------------|---|---------------------|------------------|----------------------|------------------|-------------------|------------|------------------|-----------------|------------------|------------------|------------------------------|------------------|------------------|---------------------------|---------------------|-----------------|------------|-----------------|-------------|-------|
| Female 43 year | | | | | ID 0085920 Lab NZ | Lab Ref | f AST7977 | | | Person Profile | | Male 54 years | | | 0 | OM ID 00813 OM Lab NSW | | Lab Ref 19373 X | R | | Person Pre | ofile |
| | | | | | | | | | | | | | | | | | | | @ Generate | e Match Event R | port @Unput | blish |
| Informati | on | | | | | | | | | | | | | | | | | | | | | |
| Match ev | ent outcom | es | | | | | | | | | | | | | | | | | | | | |
| Histocom | patibility a | sessment | | | | | | | | | | | | | | | | | | | | |
| Donor HLA 1 | yping profile | | | | | | | | | | Recipient | HLA Typing pro | ofie | | | | | | | | | |
| Α. | 8 | c | DRB1 | DQ81 | DQA1 | DP81 | DPA1 | DR83 | DRB4 | DRBS | A | 8 | c | DRB1 | DQB1 | DQA1 | DP81 | DPA1 | DR83 | DR84 | DR85 | |
| *01:01 *11:01 | *44:03 *51:01 | *15:02 *16:01 | *04:01 *07:01 | *02:02 *03:02 | *02:01 *03:01 | *03:01 *11:01 | *01:03 *02:01 | | *01:01 *01:03 | | *11:01 *68:01 | *27.05 *40.06 | *02:02 *15:02 | *04:03 *14:04 | *03:02 *05:03 | *01:04 *03:01 | *04:01 *04:02 | 101:03 1. | *02:02 | *01:03 | | |
| Allelic assess | ment | | | | | | | | | | | | | | | | | | | | | |
| Allelic Diffe | mences | | | | | | | | | | Eplet load | | | | | | | | DRB1 match | ies | | |
| A | 8 | c | DR81 | DQ81 | DQA1 | DPB1 | DPA1 | DR83 | DR84 | DR85 | Class I 19 | | Class II 44 | Te 6. | otal 3 | | | 1 | | | | |
| *01:01 | *44:03 *51:01 | +16:01 | *04:01 *07:01 | *02:02 | 102:01 | *03:01 *11:01 | 102:01 | | *01:01 | | | | | | | | | | | | | |
| Allelic assess | iment version used | ficient typing to (for analysis) Að | | | | quesnoy (Resear | rch use only) (D | PA1* inc.) | | | | | | | | | | | | | 0 | |
| USA assessm | ent | | | | | | | | | | | | | | | | | | | | U | 8 |
| DSA Assessr | nent | does not app | sear to have any | y donor specific | c antibodies dire | ected against A? | NZKK donor | | in any serum | tested to date. | | | | | | | | | | | | |
| Show of Report | | i Igory ti | Recipien Antibod | | Donor HLA 11 | MPI 11 | Strengt Rating | | Sample Date 1 | 1 | DSA Note 11 | | t Result portable Note 11 | | lg Isotype | | Sera Treatment 1 | 0 | lass ti | Sample Tag | 4 | |
| No DSA fou | ed. | | | | | | | | | | | | | | | | | | | | | |

The offer for each pair in the chain can be made to the transplant unit individually rather than the whole chain simultaneously.

The match event outcome can also be updated with the offer date, medical acceptance date, surgical acceptance date and proposed theatre date.

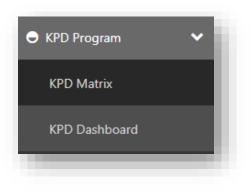
This information is also displayed in the KPD dashboard.

If a chain breaks down or the patients are transplanted, the combination is archived and the chain and combination information will be displayed in the history tab.

UPDATING MATCH EVENT OUTCOME INFORMATION

When an offer has been accepted the match event fields for acceptance dates can be updated. This data can also be viewed in the laboratory portal.

1. Click **KPD Dashboard**.



2. Click the arrow to expand the combination and view the chains that require updating.

| Chai | in No. 29 | | | | | | | | | | | | | |
|------|-----------|------------|-----|---------------------|--------|------|-----------|------------|-----|---------------------|-----|-----|------|-------|
| | | | | Donor | | | | | | Recipent | | | | |
| Last | Name | First Name | Age | Transplant Hospital | ABO | LNDD | Last Name | First Name | Age | Transplant Hospital | ABO | TWL | RMP | mPRA |
| | | | 43 | Christchurch Ho | 0 | | | | 55 | Royal North Sho | 0 | TWL | 0.35 | null |
| | | | 49 | Royal North Sho | A (A1) | | | | 47 | Christchurch Ho | А | | 0.09 | 88.5% |

3. Click on the row to view the match event of the recipient and donor. Click **Edit** and update the **Offered Date**, **Medical Acceptance Date**, **Surgical Acceptance Date** and **Proposed Theatre Date** as required.

| Matched Date: | Algorithm Assessment | Pair Blocked | Block Reason |
|----------------------------|-----------------------------|---------------------------|--------------------------|
| 26/07/2023 08:20 | N/A | No | |
| Offer Status | Offer Response | Reason | Transplanted |
| Eligible for offer | | | |
| Offered Date | Medical Acceptance Date | Surgical Acceptance Date | Proposed Theatre Date |
| 11/09/2023 | 12/09/2023 | 10/11/2023 | 04/12/2023 |
| Monday, September 11, 2023 | Tuesday, September 12, 2023 | Friday, November 10, 2023 | Manday, December 4, 2023 |
| Comments | | | |
| | | | |
| | | | |
| | | | |
| | | | |

4. Click Save.



- 5. A notification is generated to the Laboratory Portal when the Medical Acceptance Date is populated to notify the lab the offer has been accepted. A notification is also generated to the Laboratory Portal when the Proposed Theatre Date is populated and is within 30 days to notify the lab that surgery has been booked.
- 6. Click **Generate Donor Surgical Team Report** to generate the report provided to the Donor Surgical Team for use at the time of Kidney retrieval.



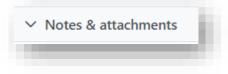
7. The report can then be downloaded to the users local drive or printed as required.

| 125 | ien 8 New Zestend Parred Ko L | inay Bachanga Program | | | | | _ | Australian + New Zealand Polred Kidney Exchange Program | |
|-----------------------|----------------------------------|-----------------------|--------------------------------|---------------------------|---|-------------------------------|---------------------------------|--|--|
| | | | D | ONOR SURGE | CAL TEAM REPORT | | | Exchange Program | |
| Doe | or details | | | | Recipient details | | | | |
| and the second second | | | | | Name Withheld | | | | |
| Geno | | DoB (Age) | National Reference P0028559 | | Gender Male | DoB (Age) | National Raference 370235853 | | |
| ABO | | Lab Reference | | | ABO | Lab Reference | | | |
| 8 Po | | LOD P0028559 | | | B Pos | 44349 KR | | | |
| Prov | | | | | Recipient | | | | |
| | | Hospital Reference | Transplant Provider | Role | Transplant Hospital | Hospital Reference | Transplant Provider | Role | |
| Rove | | | | Transplant Coordinator | Austin Hospital - Renal Unit | 2490707 | | Physician | |
| Clinic | al Hospital | Hospital Reference | Clinical Provider | Role | Clinical Hospital Austin Hospital - Renal Unit | Hospital Reference 3490707 | Clinical Provider | Role Physician | |
| | | | | | | | | | |
| | | | | | | | Generaled | Ey: Rabassa Scanvell De 2911 2222 12 14 | |
| Page | 1#1 | | | | liby, Name Without Surgan Team Report | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

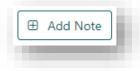
ANZKX INTERNAL NOTE

Specific ANZKX information about recipients or donors can be added via an ANZKX internal note. These notes are only visible to the ANZKZ team in the Transplantation Portal and the KPD National Lab Coordinator and Senior User roles in the Laboratory Portal.

1. In the person record click **Notes & attachments**.

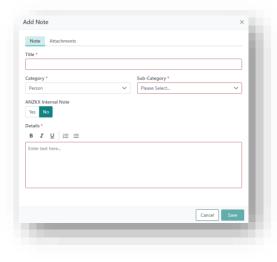


2. Click Add Note.

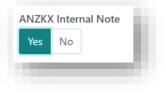




3. Add a Title, select a Sub-Category and add Details.



4. Select Yes for ANZKX Internal Note.

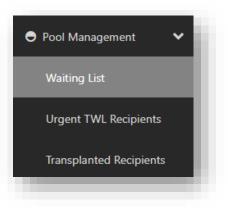


5. Click Save.



POOL MANAGEMENT

A waiting list for recipients and donors on the KPD pathway can be displayed in Pool Management-Waiting List.



Select Kidney as the **Organ Program** and KPD as the **Transplant Pathway** to display the list.

The recipient and their registered donor are displayed.

The **Authorisation Required** column allows the ANZKX team to view which pairs still require authorisation after registration.

| Organ Program * | | Transpl | ant Pathway | | Transp | lant Hospita | | 0 | inical Hospital | | | Provider | | | Status | | Reset Filters |
|--|---|---------|---------------------------|-------------------------|--------------------------|--------------|----------|-----------------------------|-----------------|------------------|---------------------|----------|---------------------------|-------------------------|----------|-----------|------------------------------|
| Kidney | ~ | KPD | | | ✓ Al | | | ~ | | | ~ | All | | ~ | All | | ~ |
| 480 | | Authori | isation Requi | red | | | | | | | | | | | | | |
| All | ~ | All | | | ~ | | | | | | | | | | | | |
| ind Person | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| Results | | | | | | | | | | | | | | | | | |
| Export Excel | | | | | | | | | | | | | | | | | 140 record/s found |
| | | | | Recipient | | | | | - | | | | Donor | | | | |
| Last First Date of Name 11 Name 11 Birth 11 | | | Transplant Hospital 11 | Clinical Hospital 11 | Date of Last Serum 11 | Ready 11 | Status 🗇 | Authorisatio Required 11 | | First Name 11 | Date of Birth 11 | ABO 11 | Transplant Hospital 11 | Clinical Hospital 11 | Ready 11 | Status 11 | Authorisation Required 11 |
| | 0 | | QPAR | QGRER | 17/11/2023 | ~ | Active | No | | | | 0 | QPAR | QGRER | ~ | Active | No |
| | 0 | | NRNS | ACBRR | 07/11/2023 | ~ | On Hold | No | | | | в | NRNS | NRNS | ~ | On Hold | No |
| | 0 | | VAUSR | VBENR | 22/11/2023 | ~ | On Hold | No | | | | А | VAUSR | VAUSR | × | On Hold | No |
| | 0 | | NZAUR | NZCHR | 06/06/2023 | ~ | Active | No | | | | A | NZAUR | NZCHR | ~ | Active | No |
| | | | | | 06/11/2023 | | | No | | | | 0 | WSIRR | WSIRR | ~ | Active | No |

DEFINITIONS

| Term/abbreviation | Definition |
|------------------------|---|
| ANZKX | Australian and New Zealand Paired Kidney Exchange Program |
| ATTC | ANZKX Tissue typing coordinator |
| KPD | Kidney Paired Donation |
| ОМ | OrganMatch |
| Transplantation Portal | OrganMatch portal for transplant clinicians and coordinators. |

REFERENCED INTERNAL DOCUMENTS

| Document number | Source |
|-----------------|--|
| OM-061 | Kidney Paired Donation (KPD) Matching- Laboratory Portal |

CHANGE HISTORY

| Version number | Effective date | Summary of change |
|----------------|-----------------|---|
| - | - | For previous change histories contact the National OrganMatch Office. |
| 5 | 06/02/2024 | Updated to new template. |
| 6 | 03/04/2024 | OrganMatch Sprint 51 updates: Updated match event outcomes with new notifications to the laboratory portal. |
| 7 | Refer to footer | OrganMatch Sprint 57 updates: ANZKX internal note section updated to include visibility for KPD National Lab Coordinator and Senior User roles Other: Annual review. |

ELECTRONIC SIGNATURE

| Author | REBECCA SCAMMELL |
|-------------|------------------|
| Approver(s) | NARELLE WATSON |