

# Monthly Report on Living Kidney Donation in Australia

May 2021

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## Living Kidney Donor Registry in conjunction with the ANZDATA Registry



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Transplanting Hospitals for Australian Donors reporting in 2021



### **Explanatory Notes**

#### Definitions

Donor – A human being, living or deceased, who is a source of cells, tissues or organs for the purpose of transplantation.

Living Kidney Donor – A living human being from whom a kidney has been removed for the purpose of transplantation. A Living Kidney Donor has one of the following three possible relationships with the recipient:

1. Related:

- (a) Genetically Related:
  - i. 1st Degree Genetic Relative: Parent, Sibling, Offspring
  - ii. 2nd Degree genetic relative, e.g. grandparent, grandchild, aunt, uncle, niece, nephew
  - iii. Other than 1st or 2nd degree genetically related, for example cousin
- (b) Emotionally Related: Spouse (if not genetically related); in-laws; Adopted; Friend
- 2. Unrelated = Non Related: Not Genetically or Emotionally Related

Australian and New Zealand Paired Kidney Exchange Program (ANZKX) – This program matches incompatible kidney donors with recipient pairs with other incompatible pairs across Australia and New Zealand.

Paired Kidney Exchange Donor – A living kidney donor whom is identified as a match for patients who are eligible for a kidney transplant, and have a living donor who is willing but unable to donate because of an incompatible blood type or tissue type. This donor is willing to donate their kidney to another person.

Recipient - A consented eligible person into whom organs, retrieved for the purpose of transplantation, are received.

Transplantation – The transfer of organs or tissue from donor to recipient with the aim of restoring body function(s) of the receipient.

#### Notes

For the purpose of this report data representing Living Kidney Donors are defined in the definition oulined above.

All tables are presented by state/territory of donation, unless otherwise specified.

This report supercedes previous monthly report and as data reported is subject to revision it may change in subsequent reporting.



#### Summary of Australian Living Kidney Donation Living Kidney Donors per Month Australia 400-350 Cumulative Incidence 300 250 200 2021 150 2020 2019 100 2018 50 2017 2016 0 Feb Jul Aug Sep Oct Nov Dec Mar Apr May Jun Jan Living Kidney Donors per Month Australia 40 Actual number 3 month moving average' 30 Donor Number 20 10 0 Aug-19-Sep-19-Cot-19-Dec-19-Jun-20-Jun-20-Jun-20-Jun-20-Sep-20-Oct-20-Nov-20 Jan-18 -Feb-18 -Mar-18 -Apr-18 -May-18 -Jun-18 -Jul-18 -Aug-18 -Sep-18 -Oct-18 -Nov-18 -Dec-18 -Jan-19 -Feb-19 -1ay-19 -Jun-19 -Jul-19 -Mar-19 Dec-20 lav-21 Ņ /ay-'n \*The average is calculated from the number of living kidney donors in the current month, previous month and next month; except for the most recent month which is calculated from the previous and current months. ~



|               | Jan | Feb       | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total     |  |
|---------------|-----|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------|--|
| NSW           | 3   | 6         | 6   | 3   | 8   |     |     |     |     |     |     |     | 26        |  |
| VIC           | 5   | 8         | 2   | 8   | 5   |     |     |     |     |     |     |     | <b>28</b> |  |
| QLD           | 0   | 2         | 4   | 1   | 5   |     |     |     |     |     |     |     | 12        |  |
| SA            | 1   | 4         | 1   | 3   | 1   |     |     |     |     |     |     |     | 10        |  |
| WA            | 2   | 1         | 0   | 1   | 3   |     |     |     |     |     |     |     | 7         |  |
| TAS           | 0   | 0         | 0   | 0   | 0   |     |     |     |     |     |     |     | 0         |  |
| $\mathbf{NT}$ | 0   | 0         | 0   | 0   | 0   |     |     |     |     |     |     |     | 0         |  |
| ACT           | 0   | 0         | 0   | 0   | 0   |     |     |     |     |     |     |     | 0         |  |
| AUSTRALIA     | 11  | <b>21</b> | 13  | 16  | 22  |     |     |     |     |     |     |     | 83        |  |

#### Tot

#### Australian Genetically-Related Donors by Donor Jurisdiction

Genetically-related donors includes all degrees of genetically related donors such as siblings, parents, children etc.

|           | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total    |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------|
| NSW       | 0   | 3   | 6   | 2   | 1   |     |     |     |     |     |     |     | 12       |
| VIC       | 2   | 4   | 1   | 1   | 3   |     |     |     |     |     |     |     | 11       |
| QLD       | 0   | 1   | 0   | 0   | 4   |     |     |     |     |     |     |     | <b>5</b> |
| SA        | 0   | 3   | 1   | 3   | 0   |     |     |     |     |     |     |     | 7        |
| WA        | 1   | 1   | 0   | 0   | 1   |     |     |     |     |     |     |     | 3        |
| TAS       | 0   | 0   | 0   | 0   | 0   |     |     |     |     |     |     |     | 0        |
| NT        | 0   | 0   | 0   | 0   | 0   |     |     |     |     |     |     |     | 0        |
| ACT       | 0   | 0   | 0   | 0   | 0   |     |     |     |     |     |     |     | 0        |
| AUSTRALIA | 3   | 12  | 8   | 6   | 9   |     |     |     |     |     |     |     | 38       |
|           |     |     |     |     |     |     |     |     |     |     |     |     |          |

#### Australian Emotionally-Related Donors by Donor Jurisdiction

Emotionally-related donors includes donors who have an emotional or social attachment to the recipient, but are not genetically related. This includes spouses and friends. Donors for the Australian and New Zealand Paired Kidney Exchange Program are also unrelated genetically, but are listed separately.

|           | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | $\operatorname{Sep}$ | Oct | Nov | Dec | Total    |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|----------------------|-----|-----|-----|----------|
| NSW       | 1   | 1   | 0   | 1   | 4   |     |     |     |                      |     |     |     | 7        |
| VIC       | 0   | 4   | 1   | 5   | 1   |     |     |     |                      |     |     |     | 11       |
| QLD       | 0   | 1   | 4   | 1   | 0   |     |     |     |                      |     |     |     | 6        |
| SA        | 1   | 0   | 0   | 0   | 1   |     |     |     |                      |     |     |     | <b>2</b> |
| WA        | 0   | 0   | 0   | 1   | 0   |     |     |     |                      |     |     |     | 1        |
| TAS       | 0   | 0   | 0   | 0   | 0   |     |     |     |                      |     |     |     | 0        |
| NT        | 0   | 0   | 0   | 0   | 0   |     |     |     |                      |     |     |     | 0        |
| ACT       | 0   | 0   | 0   | 0   | 0   |     |     |     |                      |     |     |     | 0        |
| AUSTRALIA | 2   | 6   | 5   | 8   | 6   |     |     |     |                      |     |     |     | 27       |
|           |     |     |     |     |     |     |     |     |                      |     |     |     |          |



|               | Jan | Feb | Mar | Apr      | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total |  |
|---------------|-----|-----|-----|----------|-----|-----|-----|-----|-----|-----|-----|-----|-------|--|
| NSW           | 2   | 2   | 0   | 0        | 3   |     |     |     | -   |     |     |     | 7     |  |
| VIC           | 3   | 0   | 0   | 2        | 1   |     |     |     |     |     |     |     | 6     |  |
| QLD           | 0   | 0   | 0   | 0        | 1   |     |     |     |     |     |     |     | 1     |  |
| SA            | 0   | 1   | 0   | 0        | 0   |     |     |     |     |     |     |     | 1     |  |
| WA            | 1   | 0   | 0   | 0        | 2   |     |     |     |     |     |     |     | 3     |  |
| TAS           | 0   | 0   | 0   | 0        | 0   |     |     |     |     |     |     |     | 0     |  |
| $\mathbf{NT}$ | 0   | 0   | 0   | 0        | 0   |     |     |     |     |     |     |     | 0     |  |
| ACT           | 0   | 0   | 0   | 0        | 0   |     |     |     |     |     |     |     | 0     |  |
| AUSTRALIA     | 6   | 3   | 0   | <b>2</b> | 7   |     |     |     |     |     |     |     | 18    |  |

#### $\mathbf{A}$

#### Australian Donors in the Australian and New Zealand Paired Kidney Exchange Program (ANZKX) by Donor Jurisdiction

Donors for the ANZKX Program are included in the unrelated donor numbers above.

|               | Jan | Feb | Mar | Apr | May | Jun Jul | Aug | Sep | Oct | Nov | Dec | Total    |
|---------------|-----|-----|-----|-----|-----|---------|-----|-----|-----|-----|-----|----------|
| NSW           | 2   | 2   | 0   | 0   | 3   |         |     |     |     |     |     | 7        |
| VIC           | 3   | 0   | 0   | 2   | 0   |         |     |     |     |     |     | <b>5</b> |
| QLD           | 0   | 0   | 0   | 0   | 1   |         |     |     |     |     |     | 1        |
| $\mathbf{SA}$ | 0   | 1   | 0   | 0   | 0   |         |     |     |     |     |     | 1        |
| WA            | 1   | 0   | 0   | 0   | 2   |         |     |     |     |     |     | 3        |
| TAS           | 0   | 0   | 0   | 0   | 0   |         |     |     |     |     |     | 0        |
| $\mathbf{NT}$ | 0   | 0   | 0   | 0   | 0   |         |     |     |     |     |     | 0        |
| ACT           | 0   | 0   | 0   | 0   | 0   |         |     |     |     |     |     | 0        |
| AUSTRALIA     | 6   | 3   | 0   | 2   | 6   |         |     |     |     |     |     | 17       |



## Transplant Recipients from Australian Living Kidney Donors

### Recipients from Australian Donors by Jurisdiction of Donation

|           | Jan | Feb       | Mar | Apr | May       | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total |
|-----------|-----|-----------|-----|-----|-----------|-----|-----|-----|-----|-----|-----|-----|-------|
| NSW       | 3   | 6         | 6   | 3   | 8         |     |     |     |     |     |     |     | 26    |
| VIC       | 5   | 8         | 2   | 8   | 5         |     |     |     |     |     |     |     | 28    |
| QLD       | 0   | 2         | 4   | 1   | 5         |     |     |     |     |     |     |     | 12    |
| SA        | 1   | 4         | 1   | 3   | 1         |     |     |     |     |     |     |     | 10    |
| WA        | 2   | 1         | 0   | 1   | 3         |     |     |     |     |     |     |     | 7     |
| TAS       | 0   | 0         | 0   | 0   | 0         |     |     |     |     |     |     |     | 0     |
| NT        | 0   | 0         | 0   | 0   | 0         |     |     |     |     |     |     |     | 0     |
| ACT       | 0   | 0         | 0   | 0   | 0         |     |     |     |     |     |     |     | 0     |
| AUSTRALIA | 11  | <b>21</b> | 13  | 16  | <b>22</b> |     |     |     |     | ,   |     |     | 83    |
|           |     |           |     |     |           |     |     |     |     |     |     |     |       |

#### Recipients from Australian Donors by Jurisdiction of Transplantation

|             | Jan | Feb       | Mar | Apr | May       | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total     |
|-------------|-----|-----------|-----|-----|-----------|-----|-----|-----|-----|-----|-----|-----|-----------|
| NSW         | 3   | 6         | 6   | 3   | 8         |     |     |     |     |     |     |     | 26        |
| VIC         | 5   | 8         | 2   | 7   | 5         |     |     |     |     |     |     |     | <b>27</b> |
| QLD         | 0   | 2         | 4   | 2   | 5         |     |     |     |     |     |     |     | <b>13</b> |
| SA          | 1   | 4         | 1   | 3   | 1         |     |     |     |     |     |     |     | 10        |
| WA          | 2   | 1         | 0   | 1   | 3         |     |     |     | 7   |     |     |     | 7         |
| TAS         | 0   | 0         | 0   | 0   | 0         |     |     |     |     |     |     |     | 0         |
| NT          | 0   | 0         | 0   | 0   | 0         |     |     |     |     |     |     |     | 0         |
| ACT         | 0   | 0         | 0   | -0  | 0         |     |     |     |     |     |     |     | 0         |
| AUSTRALIA   | 11  | <b>21</b> | 13  | 16  | <b>22</b> |     |     |     |     |     |     |     | 83        |
| NEW ZEALAND | 0   | 0         | 0   | 0   | 0         |     |     |     |     |     |     |     | 0         |
|             |     |           |     |     | -         |     |     |     |     |     |     |     |           |

## Transplanting Hospitals for Australian Donors reporting in 2021

| Transplanting Hospital                  | Jurisdiction         |  |
|---|----------------------|--|
| JOHN HUNTER HOSPITAL                    | NSW                  |  |
| ROYAL NORTH SHORE HOSPITAL              | NSW                  |  |
| STATEWIDE RENAL SERVICES                | NSW                  |  |
| SYDNEY CHILDREN'S HOSPITAL              | NSW                  |  |
| THE PRINCE OF WALES HOSPITAL            | NSW                  |  |
| WESTMEAD HOSPITAL                       | NSW                  |  |
| ALFRED HOSPITAL                         | VIC                  |  |
| AUSTIN HOSPITAL                         | VIC                  |  |
| MONASH CHILDRENS CENTRE                 | VIC                  |  |
| MONASH MEDICAL CENTRE                   | VIC                  |  |
| THE ROYAL MELBOURNE HOSPITAL            | VIC                  |  |
| QUEENSLAND KIDNEY TRANSPLANT SERVICE    | $\operatorname{QLD}$ |  |
| CENTRAL NORTHERN ADELAIDE RENAL SERVICE | $\mathbf{SA}$        |  |
| FIONA STANLEY HOSPITAL                  | WA                   |  |
| PERTH CHILDREN'S HOSPITAL               | WA                   |  |
| SIR CHARLES GAIRDNER HOSPITAL           | WA                   |  |