

CHAPTER 6

Australian Transplant Waiting List

Reporting the deceased donor kidney transplant waiting list dynamics in Australia, the demographics of patients on the waiting list, and transplantation rates and survival for wait listed patients.

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Summary and Highlights

This chapter focuses on wait listing for deceased donor kidney transplantation in Australia. Although guidelines on patient eligibility for deceased donor kidney transplantation are published by The Transplantation Society of Australia and New Zealand (TSANZ), the decision to wait list a patient for this treatment ultimately rests with the transplanting unit performing the clinical assessment of a potential transplant candidate. Variations in wait listing practices may represent differences in local clinical practice, variation in patient characteristics and preferences or specific local or individual barriers to accessing timely transplant work up.

The number of patients active on the Australian deceased donor waiting list has continued to grow over the last 5 years, reaching 1,158 at the end of 2020. However, unlike previous years, the number of patients made newly active actually decreased from 1,101 in 2019 to 897 in 2020 and growth in overall waiting list numbers was primarily due to a decreased number of transplants performed. Both of these trends may have been impacted by the global COVID-19 pandemic which not only directly affected transplant programs but may also have impaired access to transplant work up as healthcare systems adapted to the viral pandemic.

Data presented in this chapter highlight the complexity of assessing variation in access to transplantation for patients with kidney failure in Australia. Figure 6.1 demonstrates that the proportion of patients treated with kidney replacement therapy (KRT) who have either been transplanted or waitlisted, not only varies widely across age groups but also by geographic region.

For those patients who are made active on the deceased donor kidney waiting list, transplant rate varies by age, blood group and the transplanting region they are listed in (Figures 6.3-6.5), with the more populous, multicentre transplanting regions having lower transplant rates for patients who are active on the list compared to less populous, single centre transplanting regions.

As access to deceased donor transplantation is dependent on both being placed on the waiting list and timely allocation of a suitable organ, it is important these factors are considered together when assessing variations in practice across transplanting regions.

Suggested Citation

ANZDATA Registry. 44th Report, Chapter 6: Australian Transplant Waiting List. Australia and New Zealand Dialysis and Transplant Registry, Adelaide, Australia. 2021. Available at: http://www.anzdata.org.au

Waiting List Dynamics

On 1 April 2019 Australia implemented a new national clinical transplant system for the management of solid organ transplant waiting lists and organ allocation known as OrganMatch that replaced the previous National Organ Matching System (NOMS). The waiting list data presented in this chapter has been provided to ANZDATA by NOMS and OrganMatch for reporting purposes and relates to wait-listing for deceased donor (DD) kidney-only transplants. Patients wait-listed for multi-organ transplants are excluded. Data has been sourced from NOMS prior to 1 Jan 2019 and from OrganMatch from 1 Jan 2019 onwards. The OrganMatch data includes NOMS data migrated to OrganMatch from 1 Jan 2019 to 1 April 2019 as NOMS was the clinical system in use during this time period.

The number of people moving on and off the active waiting list is shown. Patients are categorised as either active or off the list - an 'on hold', 'interim' or 'temporarily off list' status is considered to be off list, since these patients will not be allocated kidneys. A number of de-listed patients may return to the list in subsequent years. If a patient was listed and de-listed more than once in a calendar year, only the net change is counted.

The ANZDATA registry does not currently receive deceased donor kidney waiting list data for New Zealand and hence this is not reported.

Table 6.1 shows the waiting list dynamics tables for Australia for each year. Live donor (LD) transplants performed in patients who were not on the DD waiting list are not included in this table.

Table 6.1 Australian Kidney Transplant Waiting List Dynamics 2015-2020

| Event | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 |
|----------------------|------|------|------|------|------|------|
| Active start of year | 1145 | 1071 | 953 | 965 | 966 | 1122 |
| Made active | 767 | 823 | 963 | 998 | 1101 | 897 |
| Taken off list | 156 | 135 | 144 | 146 | 120 | 193 |
| DD graft | 633 | 759 | 751 | 811 | 787 | 634 |
| LD graft | 42 | 37 | 45 | 34 | 33 | 31 |
| Overseas graft | 2 | 1 | 1 | 0 | 0 | 0 |
| Died on list | 8 | 9 | 10 | 6 | 5 | 3 |
| Active end of year | 1071 | 953 | 965 | 966 | 1122 | 1158 |

Table 6.2 shows data for non-Indigenous and Indigenous patients respectively.

Table 6.2 Australian Kidney Transplant Waiting List Dynamics by Ethnicity 2015-2020

| Ethnicity | Event | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 |
|----------------|----------------------|------|------|------|------|------|------|
| | Active start of year | 1105 | 1032 | 906 | 919 | 907 | 1044 |
| | Made active | 718 | 770 | 913 | 910 | 1002 | 837 |
| | Taken off list | 142 | 127 | 133 | 137 | 110 | 174 |
| Non Indiagnous | DD graft | 597 | 724 | 711 | 747 | 719 | 576 |
| Non-Indigenous | LD graft | 42 | 35 | 45 | 33 | 31 | 30 |
| | Overseas graft | 2 | 1 | 1 | 0 | 0 | 0 |
| | Died on list | 8 | 9 | 10 | 5 | 5 | 3 |
| | Active end of year | 1032 | 906 | 919 | 907 | 1044 | 1098 |
| | Active start of year | 35 | 33 | 36 | 35 | 44 | 62 |
| | Made active | 40 | 41 | 41 | 67 | 81 | 50 |
| | Taken off list | 11 | 7 | 9 | 9 | 9 | 16 |
| Indiaonous | DD graft | 31 | 30 | 33 | 48 | 53 | 48 |
| Indigenous | LD graft | 0 | 1 | 0 | 0 | 1 | 0 |
| | Overseas graft | 0 | 0 | 0 | 0 | 0 | 0 |
| | Died on list | 0 | 0 | 0 | 1 | 0 | 0 |
| | Active end of year | 33 | 36 | 35 | 44 | 62 | 48 |
| | Active start of year | 5 | 6 | 11 | 11 | 15 | 16 |
| | Made active | 9 | 12 | 9 | 21 | 18 | 10 |
| | Taken off list | 3 | 1 | 2 | 0 | 1 | 3 |
| Not reported | DD graft | 5 | 5 | 7 | 16 | 15 | 10 |
| | LD graft | 0 | 1 | 0 | 1 | 1 | 1 |
| | Overseas graft | 0 | 0 | 0 | 0 | 0 | 0 |
| | Died on list | 0 | 0 | 0 | 0 | 0 | 0 |
| | Active end of year | 6 | 11 | 11 | 15 | 16 | 12 |

The numbers of both dialysis patients and transplants vary with age; in table 6.3 the waiting list dynamics for the years 2015-2020 is shown by broad age groups.

Table 6.3 Australian Kidney Transplant Waiting List Dynamics by Age 2015-2020

| Age | Event | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 |
|-------|----------------------|------|------|------|------|------|------|
| | Active start of year | 7 | 11 | 22 | 14 | 16 | 13 |
| | Made active | 13 | 26 | 25 | 29 | 18 | 25 |
| | Taken off list | 0 | 1 | 3 | 1 | 0 | 1 |
| 0.45 | DD graft | 9 | 13 | 28 | 25 | 21 | 14 |
| 0-17 | LD graft | 0 | 0 | 2 | 1 | 0 | 1 |
| | Overseas graft | 0 | 0 | 0 | 0 | 0 | 0 |
| | Died on list | 0 | 1 | 0 | 0 | 0 | 0 |
| | Active end of year | 11 | 22 | 14 | 16 | 13 | 22 |
| | Active start of year | 276 | 297 | 258 | 286 | 317 | 389 |
| | Made active | 202 | 199 | 245 | 276 | 329 | 294 |
| | Taken off list | 28 | 38 | 21 | 34 | 33 | 53 |
| 40.44 | DD graft | 140 | 182 | 173 | 185 | 201 | 184 |
| 18-44 | LD graft | 12 | 17 | 20 | 23 | 21 | 14 |
| | Overseas graft | 1 | 0 | 1 | 0 | 0 | 0 |
| | Died on list | 0 | 1 | 2 | 3 | 2 | 2 |
| | Active end of year | 297 | 258 | 286 | 317 | 389 | 430 |
| | Active start of year | 272 | 249 | 239 | 237 | 247 | 281 |
| | Made active | 157 | 202 | 232 | 234 | 271 | 239 |
| | Taken off list | 38 | 25 | 37 | 38 | 27 | 38 |
| 45 54 | DD graft | 131 | 177 | 182 | 184 | 203 | 158 |
| 45-54 | LD graft | 8 | 8 | 12 | 2 | 5 | 7 |
| | Overseas graft | 1 | 0 | 0 | 0 | 0 | 0 |
| | Died on list | 2 | 2 | 3 | 0 | 2 | 1 |
| | Active end of year | 249 | 239 | 237 | 247 | 281 | 316 |
| | Active start of year | 322 | 292 | 249 | 261 | 252 | 305 |
| | Made active | 229 | 222 | 289 | 295 | 307 | 253 |
| | Taken off list | 43 | 45 | 50 | 43 | 34 | 66 |
| FF 64 | DD graft | 204 | 213 | 217 | 253 | 215 | 201 |
| 55-64 | LD graft | 8 | 6 | 7 | 6 | 5 | 4 |
| | Overseas graft | 0 | 1 | 0 | 0 | 0 | 0 |
| | Died on list | 4 | 0 | 3 | 2 | 0 | 0 |
| | Active end of year | 292 | 249 | 261 | 252 | 305 | 287 |
| | Active start of year | 268 | 222 | 185 | 167 | 134 | 134 |
| | Made active | 166 | 174 | 172 | 164 | 176 | 86 |
| | Taken off list | 47 | 26 | 33 | 30 | 26 | 35 |
| 65 - | DD graft | 149 | 174 | 151 | 164 | 147 | 77 |
| 65+ | LD graft | 14 | 6 | 4 | 2 | 2 | 5 |
| | Overseas graft | 0 | 0 | 0 | 0 | 0 | 0 |
| | Died on list | 2 | 5 | 2 | 1 | 1 | 0 |
| | Active end of year | 222 | 185 | 167 | 134 | 134 | 103 |

Differences between transplanting regions are shown in table 6.4. Waiting list numbers in each region are reflective of both listing practices and donation rates, both current and historical.

Table 6.4 Australian Kidney Transplant Waiting List Dynamics by State 2015-2020

| State | Event | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 |
|---------|----------------------|------|------|------|------|------|------|
| | Active start of year | 511 | 444 | 361 | 378 | 370 | 455 |
| | Made active | 240 | 227 | 329 | 316 | 384 | 316 |
| | Taken off list | 70 | 66 | 64 | 52 | 51 | 74 |
| NSW/ACT | DD graft | 207 | 219 | 215 | 251 | 225 | 186 |
| NSW/ACT | LD graft | 23 | 21 | 29 | 17 | 21 | 20 |
| | Overseas graft | 2 | 0 | 1 | 0 | 0 | 0 |
| | Died on list | 5 | 4 | 3 | 4 | 2 | 2 |
| | Active end of year | 444 | 361 | 378 | 370 | 455 | 489 |
| | Active start of year | 393 | 382 | 385 | 366 | 319 | 346 |
| | Made active | 254 | 295 | 299 | 322 | 332 | 255 |
| | Taken off list | 52 | 39 | 57 | 62 | 41 | 63 |
| VICTAC | DD graft | 200 | 234 | 244 | 297 | 253 | 185 |
| VIC/TAS | LD graft | 11 | 14 | 11 | 10 | 10 | 7 |
| | Overseas graft | 0 | 1 | 0 | 0 | 0 | 0 |
| | Died on list | 2 | 4 | 6 | 0 | 1 | 1 |
| | Active end of year | 382 | 385 | 366 | 319 | 346 | 345 |
| | Active start of year | 117 | 126 | 104 | 107 | 134 | 151 |
| | Made active | 133 | 155 | 178 | 194 | 191 | 190 |
| | Taken off list | 20 | 16 | 14 | 18 | 15 | 29 |
| OL D | DD graft | 99 | 161 | 159 | 146 | 157 | 123 |
| QLD | LD graft | 5 | 0 | 2 | 3 | 0 | 1 |
| | Overseas graft | 0 | 0 | 0 | 0 | 0 | 0 |
| | Died on list | 0 | 0 | 0 | 0 | 2 | 0 |
| | Active end of year | 126 | 104 | 107 | 134 | 151 | 188 |
| | Active start of year | 65 | 75 | 62 | 82 | 99 | 107 |
| | Made active | 91 | 75 | 85 | 85 | 96 | 64 |
| | Taken off list | 8 | 10 | 7 | 11 | 12 | 19 |
| CA/NT | DD graft | 69 | 76 | 55 | 52 | 74 | 69 |
| SA/NT | LD graft | 3 | 2 | 2 | 4 | 2 | 2 |
| | Overseas graft | 0 | 0 | 0 | 0 | 0 | 0 |
| | Died on list | 1 | 0 | 1 | 1 | 0 | 0 |
| | Active end of year | 75 | 62 | 82 | 99 | 107 | 81 |
| | Active start of year | 59 | 44 | 41 | 32 | 44 | 63 |
| | Made active | 49 | 71 | 72 | 81 | 98 | 72 |
| | Taken off list | 6 | 4 | 2 | 3 | 1 | 8 |
| 14/4 | DD graft | 58 | 69 | 78 | 65 | 78 | 71 |
| WA | LD graft | 0 | 0 | 1 | 0 | 0 | 1 |
| | Overseas graft | 0 | 0 | 0 | 0 | 0 | 0 |
| | Died on list | 0 | 1 | 0 | 1 | 0 | 0 |
| | Active end of year | 44 | 41 | 32 | 44 | 63 | 55 |

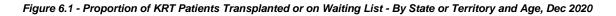
Table 6.5 shows the same data by blood group.

Table 6.5 Australian Kidney Transplant Waiting List Dynamics by Blood group 2015-2020

| Blood group | Event | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 |
|-------------|----------------------|------|------|------|------|------|------|
| | Active start of year | 329 | 312 | 242 | 252 | 227 | 302 |
| | Made active | 301 | 301 | 328 | 348 | 425 | 342 |
| | Taken off list | 40 | 29 | 36 | 31 | 17 | 49 |
| Δ. | DD graft | 255 | 322 | 273 | 331 | 321 | 267 |
| Α | LD graft | 19 | 18 | 8 | 8 | 12 | 7 |
| | Overseas graft | 1 | 0 | 1 | 0 | 0 | 0 |
| | Died on list | 3 | 2 | 0 | 3 | 0 | 0 |
| | Active end of year | 312 | 242 | 252 | 227 | 302 | 321 |
| | Active start of year | 24 | 17 | 24 | 27 | 15 | 18 |
| | Made active | 37 | 32 | 46 | 47 | 38 | 41 |
| | Taken off list | 2 | 0 | 2 | 1 | 0 | 2 |
| AB | DD graft | 41 | 25 | 41 | 56 | 34 | 29 |
| Ab | LD graft | 1 | 0 | 0 | 2 | 1 | 1 |
| | Overseas graft | 0 | 0 | 0 | 0 | 0 | 0 |
| | Died on list | 0 | 0 | 0 | 0 | 0 | 0 |
| | Active end of year | 17 | 24 | 27 | 15 | 18 | 27 |
| | Active start of year | 210 | 187 | 175 | 188 | 199 | 224 |
| | Made active | 97 | 117 | 144 | 148 | 155 | 118 |
| | Taken off list | 32 | 23 | 34 | 36 | 26 | 38 |
| В | DD graft | 83 | 97 | 84 | 95 | 96 | 101 |
| В | LD graft | 3 | 7 | 10 | 5 | 7 | 8 |
| | Overseas graft | 0 | 0 | 0 | 0 | 0 | 0 |
| | Died on list | 2 | 2 | 3 | 1 | 1 | 1 |
| | Active end of year | 187 | 175 | 188 | 199 | 224 | 194 |
| | Active start of year | 582 | 555 | 512 | 498 | 525 | 578 |
| | Made active | 332 | 373 | 445 | 455 | 483 | 396 |
| | Taken off list | 82 | 83 | 72 | 78 | 77 | 104 |
| 0 | DD graft | 254 | 315 | 353 | 329 | 336 | 237 |
| 0 | LD graft | 19 | 12 | 27 | 19 | 13 | 15 |
| | Overseas graft | 1 | 1 | 0 | 0 | 0 | 0 |
| | Died on list | 3 | 5 | 7 | 2 | 4 | 2 |
| | Active end of year | 555 | 512 | 498 | 525 | 578 | 616 |

Proportion of Patients Transplanted or on Waiting List

Figure 6.1 shows the proportion of prevalent kidney replacement therapy patients who were either transplanted or actively wait-listed at the end of 2020, by state and age group.



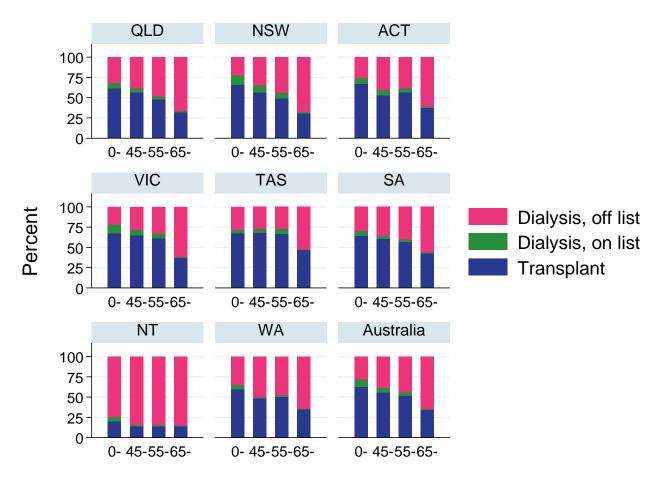
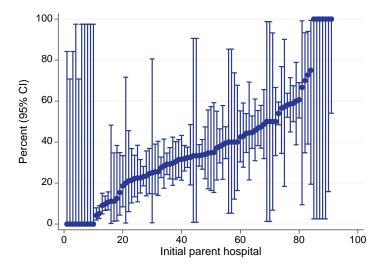


Figure 6.2 shows differences in access to the waiting list or transplantation for incident patients, by treating hospital. This analysis is restricted to patients aged 18-60 who commenced renal replacement therapy in Australia over 2015-2019, and shows the proportion of these patients who had either been made active on the kidney transplant waiting list or received a kidney transplant within one year of starting KRT.

Figure 6.2 - Proportion of new KRT patients aged 18-60 who were wait- listed and/or transplanted within 1 year of commencing KRT - Australia 2015-2019



Waiting List Demographics

Table 6.6 shows the demographic characteristics of actively wait-listed patients over 2015-2020.

Table 6.6 Demographics of the Australian Kidney Transplant Waiting List 2015-2020

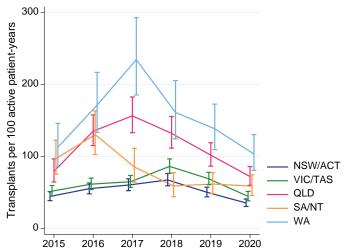
| Factor | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 |
|------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| N | 1071 | 953 | 965 | 966 | 1124 | 1158 |
| Waiting time (years), median (IQR) | 2.4 (1.3, 4.1) | 2.3 (1.4, 3.9) | 2.2 (1.2, 3.6) | 2.1 (1.2, 3.6) | 2.1 (1.2, 3.6) | 2.2 (1.3, 3.5) |
| Blood group | | | | | | |
| A | 312 (29.1%) | 242 (25.4%) | 252 (26.1%) | 227 (23.5%) | 304 (27.0%) | 323 (27.9%) |
| AB | 17 (1.6%) | 24 (2.5%) | 27 (2.8%) | 15 (1.6%) | 18 (1.6%) | 27 (2.3%) |
| В | 187 (17.5%) | 175 (18.4%) | 188 (19.5%) | 199 (20.6%) | 225 (20.0%) | 194 (16.8%) |
| 0 | 555 (51.8%) | 512 (53.7%) | 498 (51.6%) | 525 (54.3%) | 577 (51.3%) | 614 (53.0%) |
| Previous grafts | | | | | | |
| 0 | 773 (72.2%) | 690 (72.4%) | 723 (74.9%) | 733 (75.9%) | 860 (76.5%) | 894 (77.2%) |
| 1 | 242 (22.6%) | 215 (22.6%) | 201 (20.8%) | 196 (20.3%) | 222 (19.8%) | 229 (19.8%) |
| 2 | 50 (4.7%) | 42 (4.4%) | 39 (4.0%) | 35 (3.6%) | 40 (3.6%) | 33 (2.8%) |
| 3 | 6 (0.6%) | 6 (0.6%) | 2 (0.2%) | 2 (0.2%) | 2 (0.2%) | 2 (0.2%) |
| Age (years) | , | | | | | |
| 0-44 | 360 (33.6%) | 297 (31.2%) | 300 (31.1%) | 312 (32.3%) | 357 (31.8%) | 384 (33.2%) |
| 45-54 | 261 (24.4%) | 244 (25.6%) | 237 (24.6%) | 240 (24.8%) | 274 (24.4%) | 280 (24.2%) |
| 55-64 | 292 (27.3%) | 255 (26.8%) | 261 (27.0%) | 259 (26.8%) | 306 (27.2%) | 314 (27.1%) |
| 65+ | 158 (14.8%) | 157 (16.5%) | 167 (17.3%) | 155 (16.0%) | 187 (16.6%) | 180 (15.5%) |
| Gender | | | | | | |
| Male | 662 (61.8%) | 595 (62.4%) | 611 (63.3%) | 585 (60.6%) | 690 (61.4%) | 723 (62.4%) |
| Ethnicity | | | | | | |
| Aboriginal/Torres Strait Islander | 33 (3.1%) | 36 (3.8%) | 35 (3.6%) | 44 (4.6%) | 62 (5.5%) | 48 (4.1%) |
| Other | 995 (92.9%) | 875 (91.8%) | 882 (91.4%) | 862 (89.2%) | 1015 (90.3%) | 1071 (92.5%) |
| Not reported | 43 (4.0%) | 42 (4.4%) | 48 (5.0%) | 60 (6.2%) | 47 (4.2%) | 39 (3.4%) |
| Primary kidney disease | | | | | | |
| Diabetic Kidney Disease | 139 (13.0%) | 129 (13.5%) | 138 (14.3%) | 159 (16.5%) | 188 (16.7%) | 164 (14.2%) |
| Glomerulonephritis | 451 (42.1%) | 412 (43.2%) | 403 (41.8%) | 380 (39.3%) | 420 (37.4%) | 451 (38.9%) |
| Hypertension | 73 (6.8%) | 73 (7.7%) | 74 (7.7%) | 80 (8.3%) | 109 (9.7%) | 90 (7.8%) |
| Polycystic Disease | 137 (12.8%) | 110 (11.5%) | 116 (12.0%) | 121 (12.5%) | 140 (12.5%) | 149 (12.9%) |
| Reflux Nephropathy | 83 (7.7%) | 69 (7.2%) | 66 (6.8%) | 70 (7.2%) | 74 (6.6%) | 84 (7.3%) |
| Other | 147 (13.7%) | 122 (12.8%) | 119 (12.3%) | 108 (11.2%) | 133 (11.8%) | 151 (13.0%) |
| Uncertain | 38 (3.5%) | 31 (3.3%) | 33 (3.4%) | 39 (4.0%) | 44 (3.9%) | 56 (4.8%) |
| Not reported | 3 (0.3%) | 7 (0.7%) | 16 (1.7%) | 9 (0.9%) | 16 (1.4%) | 13 (1.1%) |
| Comorbidities | | | | | | |
| Diabetes | 237 (22.2%) | 226 (23.8%) | 217 (22.6%) | 233 (24.1%) | 305 (27.3%) | 280 (24.2%) |
| Coronary artery disease | 172 (16.1%) | 194 (20.5%) | 182 (18.9%) | 182 (18.8%) | 233 (20.9%) | 204 (17.7%) |
| Peripheral vascular disease | 97 (9.1%) | 97 (10.2%) | 95 (9.9%) | 92 (9.5%) | 110 (9.9%) | 93 (8.1%) |
| Cerebrovascular disease | 61 (5.7%) | 56 (5.9%) | 55 (5.7%) | 55 (5.7%) | 54 (4.8%) | 70 (6.1%) |
| Chronic lung disease | 96 (9.0%) | 101 (10.7%) | 92 (9.6%) | 92 (9.5%) | 90 (8.1%) | 87 (7.5%) |

Transplant Rate

The transplant rate represents the likelihood of receiving a kidney transplant in patients who are actively wait-listed. For these analyses the transplant rate was calculated as the number of deceased donor kidney-only transplants performed (numerator) per 100 patient-years on the active kidney-only waiting list (denominator). The transplant rate depends on the number of organs available, the number of patients on the waiting list, and the kidney allocation system. Figures 6.3-6.6 show the transplant rate by state, age, ethnicity and blood group respectively.

Figure 6.3 shows the transplant rate by transplanting region.

Figure 6.3 - Deceased Donor Transplant Rate by Transplanting Region - Per 100 Active Patient-Years



Transplant rate by age group is shown is Figure 6.4, for people of Aboriginal and Torres Strait Islander ethnicity compared to other ethnicities in Figure 6.5, and by blood group in Figure 6.6.

Figure 6.4 - Deceased Donor Transplant Rate by Age - Per 100 Active Patient-Years

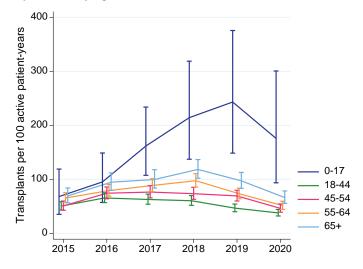


Figure 6.5 - Deceased Donor Transplant Rate by Ethnicity - Per 100 Active Patient-Years

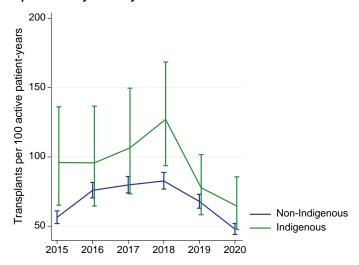
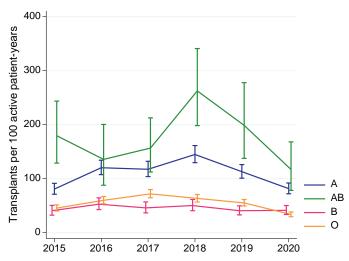


Figure 6.6 - Deceased Donor Transplant Rate by Blood Group - Per 100 Active Patient-Years



Outcomes of Wait-listing

Figures 6.7-6.9 show the outcomes of patients who commenced dialysis during 2015-2020 and were subsequently wait-listed for a kidney transplant. These analyses show the cumulative incidence of deceased donor transplantation, living donor transplantation or death. Each outcome is considered a competing risk for the other outcomes, and only the first event is considered.

Figure 6.7 - Outcomes after wait-listing - Australian incident dialysis patients 2015-2020

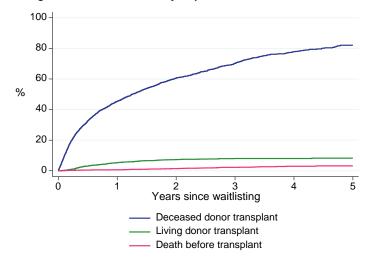


Figure 6.8 - Outcomes after wait-listing - Australian incident dialysis patients 2015-2020

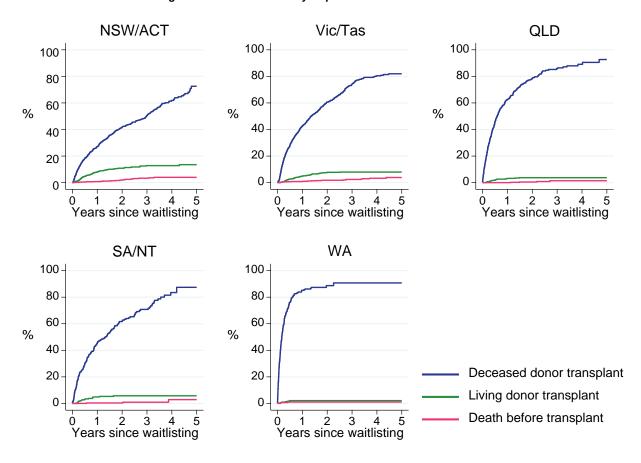
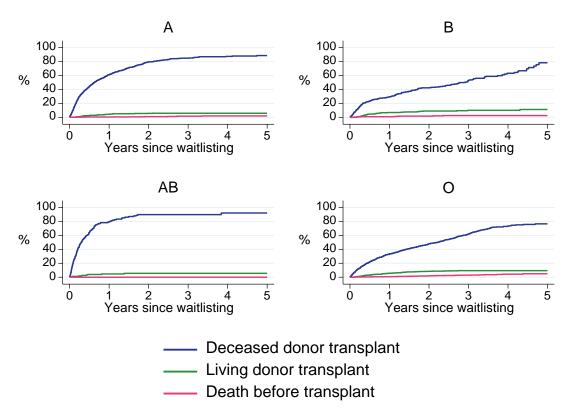


Figure 6.9 - Outcomes after wait-listing - Australian incident dialysis patients 2015-2020



Survival after Wait-listing

Figure 6.10 shows the survival of patients who commenced dialysis in Australia over 2015-2020 and were subsequently wait-listed for a deceased donor kidney-only transplant. Survival is shown from the time of listing and is censored at transplantation (but not at removal from the list). Survival at 1- and 3-year was 99.1% and 94.1% respectively and the mortality rate was 1.6 deaths per 100 patient-years (95% CI 1.3-2.1).

Figure 6.10 - Survival after wait-listing - Australian incident dialysis patients 2015-2020 Censored at transplantation

