



SECTION 4

Deceased Organ Donor Profile

SUMMARY

This section provides a detailed description of organ donor demographic characteristics, including gender, age, ethnicity and religions. Data also describes pre-existing medical condition and virology screening assessed prior to deceased organ donation

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Suggested Citation

ANZOD Registry. 2019 Annual Report, Section 4: Deceased Organ Donor Profile. Australia and New Zealand Dialysis and Transplant Registry, Adelaide, Australia. 2019.
Available at: <https://www.anzdata.org.au/report/anzod-annual-report-2019/>

Donor Demographics

Table 4.1 contains a description of actual donors in Australia and New Zealand in 2018 compared to 2017. In Australia there continues to be more male than female donors. In both countries there is a preponderance of blood groups O and A.

Table 4.1.1 Demography of Deceased Donors in Australia 2017 - 2018

| Australian Donors | 2017 | | | 2018 | | |
|----------------------------------|-----------|-----------|------------------|-----------|-----------|------------------|
| | DBD | DCD | Total | DBD | DCD | Total |
| Gender | | | | | | |
| Male | 185 (52%) | 90 (60%) | 275 (54%) | 226 (57%) | 99 (64%) | 325 (59%) |
| Female | 174 (48%) | 61 (40%) | 235 (46%) | 174 (44%) | 55 (36%) | 229 (41%) |
| Age | | | | | | |
| 0-4 | 6 (2%) | 2 (1%) | 8 (2%) | 5 (1%) | 1 (1%) | 6 (1%) |
| 5-14 | 12 (3%) | 5 (3%) | 17 (3%) | 10 (3%) | - | 10 (2%) |
| 15-24 | 30 (8%) | 16 (11%) | 46 (9%) | 37 (9%) | 17 (11%) | 54 (10%) |
| 25-34 | 50 (14%) | 12 (8%) | 62 (12%) | 41 (10%) | 17 (11%) | 58 (10%) |
| 35-44 | 60 (17%) | 24 (16%) | 84 (16%) | 62 (16%) | 25 (16%) | 87 (16%) |
| 45-54 | 77 (21%) | 31 (21%) | 108 (21%) | 87 (22%) | 35 (23%) | 122 (22%) |
| 55-64 | 60 (17%) | 41 (27%) | 101 (20%) | 70 (18%) | 34 (22%) | 104 (19%) |
| 65-74 | 55 (15%) | 20 (13%) | 75 (15%) | 73 (18%) | 25 (16%) | 98 (18%) |
| 75+ | 9 (3%) | - | 9 (2%) | 15 (4%) | - | 15 (3%) |
| BMI (kg/m2) | | | | | | |
| Underweight (<18.5) | 20 (6%) | 10 (7%) | 30 (6%) | 20 (5%) | 6 (4%) | 26 (5%) |
| Normal (18.5-<25) | 130 (36%) | 42 (28%) | 172 (34%) | 159 (40%) | 45 (29%) | 204 (37%) |
| Overweight (25-<30) | 120 (33%) | 60 (40%) | 180 (35%) | 134 (34%) | 53 (34%) | 187 (34%) |
| Obese (>=30) | 89 (25%) | 38 (25%) | 127 (25%) | 87 (22%) | 50 (32%) | 137 (25%) |
| Unknown | - | 1 (1%) | 1 (0%) | - | - | - |
| Blood Group | | | | | | |
| A | 129 (36%) | 51 (34%) | 180 (35%) | 151 (38%) | 65 (42%) | 216 (39%) |
| AB | 10 (3%) | 5 (3%) | 15 (3%) | 21 (5%) | 4 (3%) | 25 (5%) |
| B | 34 (9%) | 13 (9%) | 47 (9%) | 52 (13%) | 13 (8%) | 65 (12%) |
| O | 186 (52%) | 82 (54%) | 268 (53%) | 176 (44%) | 72 (47%) | 248 (45%) |
| Ethnicity | | | | | | |
| Australian Non-indigenous | 266 (74%) | 119 (79%) | 385 (75%) | 295 (74%) | 117 (76%) | 412 (74%) |
| Australian Indigenous | 10 (3%) | 2 (1%) | 12 (2%) | 15 (4%) | 3 (2%) | 18 (3%) |
| New Zealand European | 4 (1%) | 1 (1%) | 5 (1%) | 8 (2%) | 1 (1%) | 9 (2%) |
| New Zealand Māori | 4 (1%) | 1 (1%) | 5 (1%) | 1 (0%) | 1 (1%) | 2 (0%) |
| Pacific Islander | 1 (0%) | 1 (1%) | 2 (0%) | 1 (0%) | 1 (1%) | 2 (0%) |
| European | 44 (12%) | 16 (11%) | 60 (12%) | 32 (8%) | 17 (11%) | 49 (9%) |
| North African and Middle Eastern | 1 (0%) | 2 (1%) | 3 (1%) | 5 (1%) | 1 (1%) | 6 (1%) |
| Asian | 24 (7%) | 8 (5%) | 32 (6%) | 37 (9%) | 11 (7%) | 48 (9%) |
| American | 2 (1%) | 1 (1%) | 3 (1%) | 4 (1%) | 1 (1%) | 5 (1%) |
| Sub-Saharan African | 3 (1%) | - | 3 (1%) | 2 (1%) | 1 (1%) | 3 (1%) |

*Ethnicity categories listed in Table 4.1 are based on the Australian Bureau of Statistics (ABS) and Stats NZ ethnicity classifications below:

Australian Non-indigenous: Oceanian - Australian

Australian Indigenous: Oceanian - Australian Aboriginal/Australian South Sea Islander/Torres Strait Islander

New Zealand European: Oceanian - New Zealand European

New Zealand Māori: Oceanian - New Zealand Māori

Pacific Islander: Oceanian - Melanesian And Papuan/Micronesian/Polynesian/Cook Islander/Fijian/Niuean/Samoan/Tongan/Tokelauan

European: North-West European, Southern and Eastern European - Italian/Greek

North African and Middle Eastern: North African and Middle Eastern - Arab/Turkish

Asian: South-East Asian - Vietnamese/Filipino/Indonesian/Malay, North-East Asian - Chinese, Southern and Central Asian - Indian

American: North American, Hispanic North American, South American, Central American, Caribbean Islander

Sub-Saharan African: Sub-Saharan African

Table 4.1.2 Demography of Deceased Donors in New Zealand 2017 - 2018

| New Zealand Donors | 2017 | | | 2018 | | |
|---------------------------|---------|--------|-----------------|---------|--------|-----------------|
| | DBD | DCD | Total | DBD | DCD | Total |
| Gender | | | | | | |
| Male | 28(46%) | 8(67%) | 36 (49%) | 28(53%) | 4(44%) | 32 (52%) |
| Female | 33(54%) | 4(33%) | 37 (51%) | 25(47%) | 5(56%) | 30 (48%) |
| Age | | | | | | |
| 5-14 | 1(2%) | - | 1 (1%) | 1(2%) | - | 1 (2%) |
| 15-24 | 7(11%) | 2(17%) | 9 (12%) | 9(17%) | 1(11%) | 10 (16%) |
| 25-34 | 8(13%) | 1(8%) | 9 (12%) | 9(17%) | - | 9 (15%) |
| 35-44 | 6(10%) | - | 6 (8%) | 7(13%) | 1(11%) | 8 (13%) |
| 45-54 | 9(15%) | 6(50%) | 15 (21%) | 7(13%) | - | 7 (11%) |
| 55-64 | 18(30%) | 3(25%) | 21 (29%) | 7(13%) | 7(78%) | 14 (23%) |
| 65-74 | 9(15%) | - | 9 (12%) | 10(19%) | - | 10 (16%) |
| 75+ | 3(5%) | - | 3 (4%) | 3(6%) | - | 3 (5%) |
| BMI (kg/m2) | | | | | | |
| Underweight (<18.5) | - | - | - | 1(2%) | - | 1 (2%) |
| Normal (18.5-<25) | 28(46%) | 3(25%) | 31 (42%) | 19(36%) | 2(22%) | 21 (34%) |
| Overweight (25-<30) | 22(36%) | 3(25%) | 25 (34%) | 23(43%) | 3(33%) | 26 (42%) |
| Obese (>=30) | 11(18%) | 6(50%) | 17 (23%) | 10(19%) | 4(44%) | 14 (23%) |
| Blood Group | | | | | | |
| A | 20(33%) | 3(25%) | 23 (32%) | 22(42%) | 1(11%) | 23 (37%) |
| AB | 2(3%) | 1(8%) | 3 (4%) | 3(6%) | 1(11%) | 4 (6%) |
| B | 5(8%) | 4(33%) | 9 (12%) | 5(9%) | 4(44%) | 9 (15%) |
| O | 34(56%) | 4(33%) | 38 (52%) | 23(43%) | 3(33%) | 26 (42%) |
| Ethnicity | | | | | | |
| Australian Non-indigenous | 1(2%) | - | 1 (1%) | - | - | - |
| New Zealand European | 38(62%) | 4(33%) | 42 (58%) | 35(66%) | 8(89%) | 43 (69%) |
| New Zealand Māori | 7(11%) | - | 7 (10%) | 6(11%) | 1(11%) | 7 (11%) |
| Pacific Islander | - | 4(33%) | 4 (5%) | 4(8%) | - | 4 (6%) |
| European | 10(16%) | 1(8%) | 11 (15%) | 1(2%) | - | 1 (2%) |
| Asian | 1(2%) | 3(25%) | 4 (5%) | 4(8%) | - | 4 (6%) |
| American | 1(2%) | - | 1 (1%) | 2(4%) | - | 2 (3%) |
| Sub-Saharan African | 3(5%) | - | 3 (4%) | 1(2%) | - | 1 (2%) |

*Ethnicity categories listed in Table 4.1 are based on the Australian Bureau of Statistics (ABS) and Stats NZ ethnicity classifications below:

Australian Non-indigenous: Oceanian - Australian

Australian Indigenous: Oceanian - Australian Aboriginal/Australian South Sea Islander/Torres Strait Islander

New Zealand European: Oceanian - New Zealand European

New Zealand Māori: Oceanian - New Zealand Māori

Pacific Islander: Oceanian - Melanesian And Papuan/Micronesian/Polynesian/Cook Islander/Fijian/Niuean/Samoan/Tongan/Tokelauan

European: North-West European, Southern and Eastern European - Italian/Greek

North African and Middle Eastern: North African and Middle Eastern - Arab/Turkish

Asian: South-East Asian - Vietnamese/Filipino/Indonesian/Malay, North-East Asian - Chinese, Southern and Central Asian - Indian

American: North American, Hispanic North American, South American, Central American, Caribbean Islander

Sub-Saharan African: Sub-Saharan African

Donor Age and Gender

In Australia in 2018, 17.7% of donors (98) were 65-74 years of age and 2.7% of donors (15) were aged 75 years or older. The oldest donor was 81.4 years and the youngest was less than one year. In New Zealand in 2018, 21.0% of donors (13) were 65 years or older. The age range was from 14.5 years to 81.2 years.

The mean age of donors in Australia in 2018 was 48.2 years. The mean age in New Zealand was 46.8 years.

Figure 4.1 shows the trends in donor numbers for each age group and gender; while there has been growth in all age groups this is more marked in the older age groups.

Figure 4.1.1 - Age and Gender of Deceased Donors Australia 2010-2018

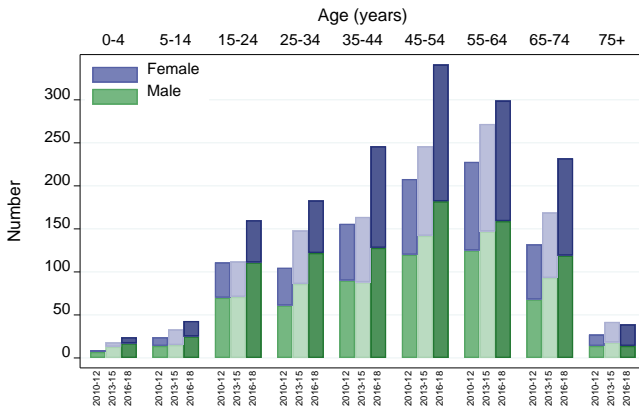
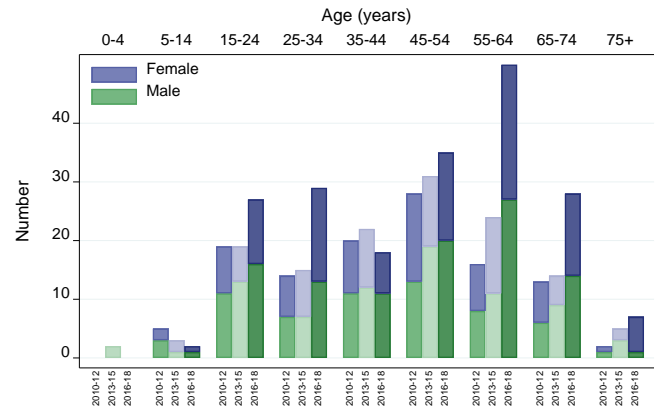


Figure 4.1.2 - Age and Gender of Deceased Donors New Zealand 2010-2018



The median age for Australian donors in 2018 was 50.2 years (Figure 4.2). The median age across Australian jurisdictions in 2018 ranged from 38.5 years in ACT to 55.9 years in NSW.

The median age for New Zealand was 48.6 years in 2018.

Figure 4.2.1 - Age of Male and Female Donors 2010-2018 Australia

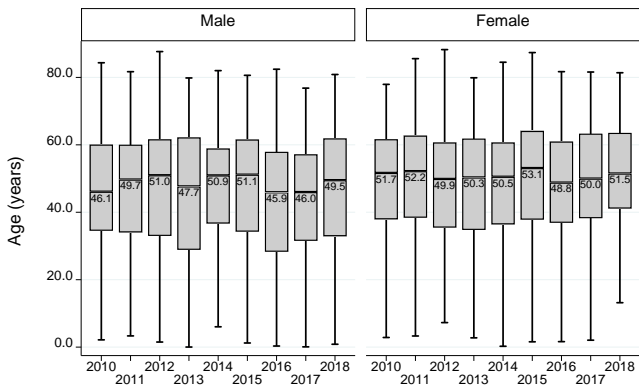
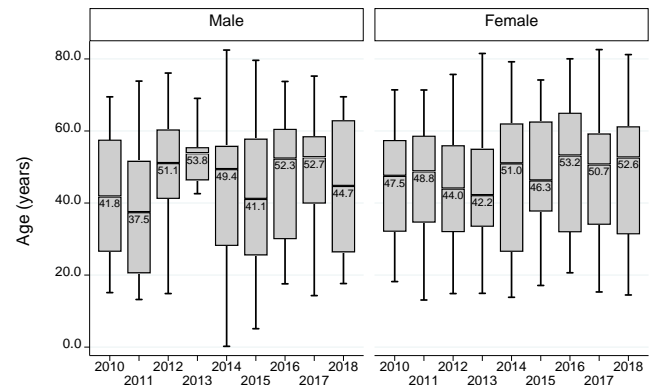
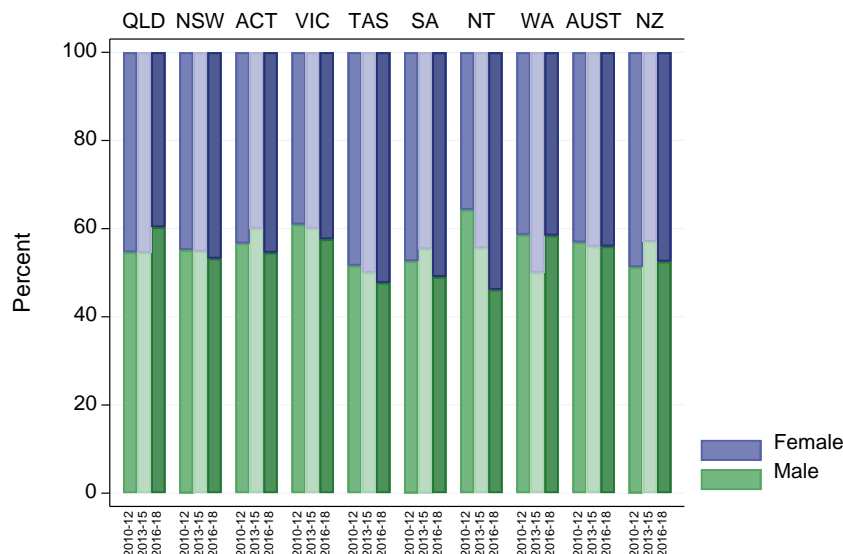


Figure 4.2.2 - Age of Male and Female Donors 2010-2018 New Zealand



Donor gender in each State, Australia and New Zealand is shown in three-year cohorts in Figure 4.3.

Figure 4.3 - Gender by State, Australia, New Zealand 2010-2018



Donor Ethnic Origins

There have been no significant changes in the documented ethnicity of donors over the past five years in either Australia or New Zealand (Table 4.2).

Table 4.2 Ethnic Origin of Donors, 2014-2018

| Donor racial / ethnic origin* | Australia | | | | | New Zealand | | | | |
|---|--------------|--------------|--------------|--------------|----------------------------|-------------|-------------|-------------|-------------|---------------------------|
| | 2014 | 2015 | 2016 | 2017 | 2018 | 2014 | 2015 | 2016 | 2017 | 2018 |
| Australian | 286 (76%) | 326 (75%) | 385 (77%) | 385 (75%) | 412 (74%) | 4 (9%) | - | 1 (2%) | 1 (1%) | - |
| Australian Aboriginal/Torres Strait Islander | 9 (2%) | 11 (3%) | 20 (4%) | 12 (2%) | 18 (3%) | - | - | - | - | - |
| New Zealand European | 7 (2%) | 5 (1%) | 4 (1%) | 5 (1%) | 9 (2%) | 27 (59%) | 41 (77%) | 41 (67%) | 42 (58%) | 43 (69%) |
| New Zealand Māori | 1 (0%) | 1 (0%) | 5 (1%) | 5 (1%) | 2 (0%) | 6 (13%) | 5 (9%) | 5 (8%) | 7 (10%) | 7 (11%) |
| Pacific Islander | 2 (1%) | 4 (1%) | 3 (1%) | 2 (0%) | 2 (0%) | 1 (2%) | - | 1 (2%) | 4 (5%) | 4 (6%) |
| European | 31 (8%) | 44 (10%) | 43 (9%) | 60 (12%) | 49 (9%) | 4 (9%) | 2 (4%) | 5 (8%) | 11 (15%) | 1 (2%) |
| North African and Middle Eastern | 2 (1%) | 4 (1%) | 2 (0%) | 3 (1%) | 6 (1%) | - | - | 1 (2%) | - | - |
| Asian | 25 (7%) | 32 (7%) | 34 (7%) | 32 (6%) | 48 (9%) | 1 (2%) | 2 (4%) | 6 (10%) | 4 (5%) | 4 (6%) |
| American | 10 (3%) | 5 (1%) | 4 (1%) | 3 (1%) | 5 (1%) | 2 (4%) | 3 (6%) | 1 (2%) | 1 (1%) | 2 (3%) |
| Sub-Saharan African | 5 (1%) | 3 (1%) | 3 (1%) | 3 (1%) | 3 (1%) | 1 (2%) | - | - | 3 (4%) | 1 (2%) |

*Ethnicity categories listed in Table 4.2 are based on the Australian Bureau of Statistics (ABS) and Stats NZ ethnicity classifications below:

Australian: Oceanian - Australian

Australian Aboriginal/Torres Strait Islander: Oceanian - Australian Aboriginal/Australian South Sea Islander/Torres Strait Islander

New Zealand European: Oceanian - New Zealand European

New Zealand Māori: Oceanian - New Zealand Māori

Pacific Islander: Oceanian - Melanesian And Papuan/Micronesian/Polynesian/Cook Islander/Fijian/Niuean/Samoan/Tongan/Tokelauan

European: North-West European, Southern and Eastern European - Italian/Greek

North African and Middle Eastern: North African and Middle Eastern - Arab/Turkish

Asian: South-East Asian - Vietnamese/Filipino/Indonesian/Malay, North-East Asian - Chinese, Southern and Central Asian - Indian

American: North American, Hispanic North American, South American, Central American, Caribbean Islander

Sub-Saharan African: Sub-Saharan African

Donor Religion

Table 4.3 shows the reported religion of donors.

Table 4.3 Religion of Donors, 2014-2018 n (%)

| Donor Religion | Australia | | | | | New Zealand | | | | |
|---------------------|--------------|--------------|--------------|--------------|----------------------------|-------------|-------------|-------------|-------------|---------------------------|
| | 2014 | 2015 | 2016 | 2017 | 2018 | 2014 | 2015 | 2016 | 2017 | 2018 |
| Christianity | 96 (25%) | 136 (31%) | 150 (30%) | 178 (35%) | 163 (29%) | 4 (9%) | 3 (6%) | 4 (7%) | 2 (3%) | 8 (13%) |
| Judaism | 2 (1%) | 2 (0%) | 1 (0%) | - | 3 (1%) | - | - | 1 (2%) | - | - |
| Islam | - | 1 (0%) | 3 (1%) | 3 (1%) | 3 (1%) | - | - | - | - | - |
| Buddhism | 7 (2%) | 6 (1%) | 8 (2%) | 6 (1%) | 13 (2%) | - | - | - | - | 1 (2%) |
| Hinduism | 2 (1%) | 3 (1%) | 4 (1%) | 1 (0%) | 5 (1%) | - | - | - | 1 (1%) | 1 (2%) |
| Others | 3 (1%) | 4 (1%) | 6 (1%) | 1 (0%) | 1 (0%) | - | - | - | - | - |
| No religion | 87 (23%) | 92 (21%) | 123 (24%) | 123 (24%) | 167 (30%) | 1 (2%) | - | - | - | - |
| Unknown | 181 (48%) | 191 (44%) | 208 (41%) | 198 (39%) | 199 (36%) | 41 (89%) | 50 (94%) | 56 (92%) | 70 (96%) | 52 (84%) |

Donor Weight

The allocation of heart, lungs and livers are based in part on the matching of recipient and donor size and weight. In 2018 there were 11 donors in Australia and no donors in New Zealand who weighed less than 40 kilograms. There were 99 donors 100 kilograms and over in Australia and 12 donors in New Zealand. (Table 4.4)

Table 4.4 Donor Weight in Kilograms 2014 - 2018

| Country | Year | 0-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | 80-89 | 90-99 | 100+ | Total |
|--------------------|-------------|----------|----------|----------|-----------|-----------|------------|------------|-----------|-----------|-----------|------------|
| AUSTRALIA | 2014 | 4 | 4 | 2 | 4 | 29 | 53 | 104 | 86 | 54 | 38 | 378 |
| | 2015 | 7 | 4 | 3 | 8 | 33 | 70 | 93 | 86 | 63 | 68 | 435 |
| | 2016 | 9 | 6 | 4 | 10 | 34 | 82 | 115 | 113 | 73 | 57 | 503 |
| | 2017 | 8 | 6 | 4 | 8 | 41 | 91 | 97 | 102 | 80 | 73 | 510 |
| | 2018 | 4 | 2 | 5 | 15 | 36 | 113 | 113 | 98 | 69 | 99 | 554 |
| NEW ZEALAND | 2014 | 1 | 0 | 0 | 0 | 3 | 8 | 7 | 16 | 7 | 4 | 46 |
| | 2015 | 0 | 1 | 0 | 0 | 3 | 12 | 12 | 11 | 10 | 4 | 53 |
| | 2016 | 0 | 0 | 0 | 1 | 8 | 9 | 17 | 12 | 5 | 9 | 61 |
| | 2017 | 0 | 0 | 0 | 1 | 5 | 13 | 19 | 13 | 11 | 11 | 73 |
| | 2018 | 0 | 0 | 0 | 1 | 5 | 13 | 5 | 16 | 10 | 12 | 62 |

Donor Medical Conditions

Comorbid medical conditions are an important area in determining donor suitability, and one that has been changing over time. Table 4.5 lists the medical conditions of donors by jurisdiction for 2018 by donor type.

Table 4.5 Comorbid Medical Conditions of Actual Deceased Donors by Jurisdiction 2018 n (%)

| Donor Type | Medical Condition | QLD | NSW | ACT | VIC | TAS | SA | NT | WA | AUS | NZ |
|--------------|-------------------------|-----------|------------|-----------|------------|-----------|-----------|----------|-----------|------------|-----------|
| DBD | Diabetes Type I | - | 1 (1%) | 1 (7%) | 1 (1%) | 1 (9%) | 1 (4%) | - | 1 (3%) | 6 (2%) | - |
| DBD | Diabetes Type II | 2 (3%) | 10 (10%) | - | 9 (7%) | - | 2 (8%) | - | 2 (5%) | 25 (6%) | 3 (6%) |
| DBD | Hypertension | 15 (21%) | 38 (36%) | 3 (20%) | 36 (28%) | 5 (45%) | 9 (35%) | - | 11 (30%) | 117 (29%) | 12 (23%) |
| DBD | Smoking-Current | 31 (42%) | 35 (33%) | 5 (33%) | 57 (44%) | 5 (45%) | 14 (54%) | 1 (33%) | 22 (59%) | 170 (43%) | 14 (26%) |
| DBD | Cancer | 5 (7%) | 16 (15%) | 2 (13%) | 8 (6%) | - | 1 (4%) | - | 1 (3%) | 33 (8%) | 4 (8%) |
| DBD | Total | 73 | 105 | 15 | 130 | 11 | 26 | 3 | 37 | 400 | 53 |
| DCD | Diabetes Type I | - | - | - | 1 (2%) | - | - | - | - | 1 (1%) | - |
| DCD | Diabetes Type II | - | 5 (11%) | - | 5 (8%) | - | 1 (10%) | 1 (100%) | - | 12 (8%) | - |
| DCD | Hypertension | 3 (14%) | 9 (20%) | 1 (17%) | 17 (27%) | - | 4 (40%) | 1 (100%) | 2 (50%) | 37 (24%) | 3 (33%) |
| DCD | Smoking-Current | 13 (62%) | 21 (46%) | 2 (33%) | 23 (37%) | 2 (67%) | 4 (40%) | - | 1 (25%) | 66 (43%) | 1 (11%) |
| DCD | Cancer | - | 4 (9%) | - | 8 (13%) | - | - | - | 1 (25%) | 13 (8%) | 2 (22%) |
| DCD | Total | 21 | 46 | 6 | 63 | 3 | 10 | 1 | 4 | 154 | 9 |
| Total | Diabetes Type I | - | 1 (1%) | 1 (5%) | 2 (1%) | 1 (7%) | 1 (3%) | - | 1 (2%) | 7 (1%) | - |
| Total | Diabetes Type II | 2 (2%) | 15 (10%) | - | 14 (7%) | - | 3 (8%) | 1 (25%) | 2 (5%) | 37 (7%) | 3 (5%) |
| Total | Hypertension | 18 (19%) | 47 (31%) | 4 (19%) | 53 (27%) | 5 (36%) | 13 (36%) | 1 (25%) | 13 (32%) | 154 (28%) | 15 (24%) |
| Total | Smoking-Current | 44 (47%) | 56 (37%) | 7 (33%) | 80 (41%) | 7 (50%) | 18 (50%) | 1 (25%) | 23 (56%) | 236 (43%) | 15 (24%) |
| Total | Cancer | 5 (5%) | 20 (13%) | 2 (10%) | 16 (8%) | - | 1 (3%) | - | 2 (5%) | 46 (8%) | 6 (10%) |
| Total | Total | 94 | 151 | 21 | 193 | 14 | 36 | 4 | 41 | 554 | 62 |

Diabetes

There were 44 donors with diabetes in Australia in 2018. The 37 Australian Type 2 donors provided 112 organ and tissue grafts which were transplanted or stored. This included three double adult kidneys, 47 single kidneys, 11 livers, nine double lungs, two single lungs and two hearts. The seven Type 1 diabetic donors provided 17 organs that were transplanted; nine single kidneys, five livers, one double lung, one single lung and one heart.

In New Zealand, the three Type 2 diabetic donors provided two livers which were transplanted.

Cancer in Donor

In Australia, 46 actual donors had a history of cancer prior to donation. Of the 45 actual donors who had organs retrieved, there were 17 donors with skin only cancers, 25 with non-skin only cancers and three with skin and non-skin cancers. One actual donor did not have organs retrieved. In New Zealand, six donors had a history of cancer, with two donors with skin only cancers and four with non-skin only cancers.

Virology Screening

Table 4.6 lists the cytomegalovirus (CMV) status of donors by country from 2013 to 2018.

Table 4.6 Cytomegalovirus (CMV IgG) Status of Donors, 2013 - 2018

| CMV IgG | Australia | | | | | | New Zealand | | | | | |
|----------------------|------------|------------|------------|------------|------------|------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 |
| Positive | 242 | 228 | 268 | 332 | 309 | 361 | 21 | 23 | 26 | 33 | 47 | 33 |
| Negative | 148 | 148 | 167 | 169 | 200 | 192 | 15 | 23 | 27 | 26 | 26 | 29 |
| Not Done | 0 | 2 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 2 | 0 | 0 |
| Indeterminate | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Not Reported | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 391 | 378 | 435 | 503 | 510 | 554 | 36 | 46 | 53 | 61 | 73 | 62 |

Table 4.7 shows the Epstein-Barr Virus (EBV) status of donors from 2013 to 2018.

Table 4.7 Epstein-Barr Virus (EBV IgG) Status of Donors, 2013 - 2018

| EBV IgG | Australia | | | | | | New Zealand | | | | | |
|----------------------|------------|------------|------------|------------|------------|------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 |
| Positive | 356 | 339 | 404 | 462 | 459 | 511 | 27 | 37 | 36 | 53 | 63 | 53 |
| Negative | 33 | 30 | 28 | 38 | 48 | 41 | 4 | 5 | 13 | 6 | 5 | 3 |
| Not Done | 2 | 5 | 1 | 2 | 2 | 1 | 0 | 3 | 2 | 2 | 5 | 5 |
| Indeterminate | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 1 |
| Not Reported | 0 | 3 | 2 | 0 | 0 | 0 | 5 | 0 | 2 | 0 | 0 | 0 |
| Total | 391 | 378 | 435 | 503 | 510 | 554 | 36 | 46 | 53 | 61 | 73 | 62 |

Table 4.8 shows the Hepatitis C Antibody status of donors from 2013 to 2018.

Table 4.8 Hepatitis C Antibody Status of Donors (Anti-HCV), 2013 - 2018

| Anti-HCV | Australia | | | | | | New Zealand | | | | | |
|----------------------|------------|------------|------------|------------|------------|------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 |
| Positive | 13 | 8 | 11 | 17 | 12 | 17 | 1 | 2 | 1 | 1 | 2 | 0 |
| Negative | 378 | 364 | 420 | 482 | 496 | 534 | 35 | 44 | 52 | 59 | 70 | 61 |
| Not Done | 0 | 5 | 4 | 4 | 2 | 3 | 0 | 0 | 0 | 1 | 1 | 1 |
| Indeterminate | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Not Reported | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 391 | 378 | 435 | 503 | 510 | 554 | 36 | 46 | 53 | 61 | 73 | 62 |

Table 4.9 shows the Hepatitis B Core Antibody status of actual donors from 2013 to 2018.

Table 4.9 Hepatitis B Core Antibody Status of Donors (Anti-HBcAb), 2013 - 2018

| Anti-HBcAb | Australia | | | | | | New Zealand | | | | | |
|----------------------|------------|------------|------------|------------|------------|------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 |
| Positive | 17 | 21 | 20 | 19 | 22 | 26 | 2 | 3 | 3 | 7 | 11 | 5 |
| Negative | 374 | 337 | 394 | 473 | 475 | 517 | 34 | 42 | 50 | 54 | 62 | 57 |
| Not Done | 0 | 19 | 21 | 11 | 13 | 11 | 0 | 1 | 0 | 0 | 0 | 0 |
| Indeterminate | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Not Reported | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 391 | 378 | 435 | 503 | 510 | 554 | 36 | 46 | 53 | 61 | 73 | 62 |

Since 1993, all consented actual and intended donors in Australia and New Zealand have been tested for Hepatitis B surface antigen. Table 4.10 shows the status of actual donors from 2013 to 2018.

Table 4.10 Hepatitis B Surface Antigen Status of Donors (HBsAg), 2013 - 2018

| HBsAg | Australia | | | | | | New Zealand | | | | | |
|----------------------|------------|------------|------------|------------|------------|------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 |
| Positive | 2 | 1 | 0 | 2 | 1 | 0 | 2 | 1 | 0 | 1 | 0 | 0 |
| Negative | 389 | 375 | 431 | 499 | 507 | 551 | 34 | 45 | 53 | 60 | 73 | 62 |
| Not Done | 0 | 2 | 4 | 2 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| Indeterminate | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Not Reported | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 391 | 378 | 435 | 503 | 510 | 554 | 36 | 46 | 53 | 61 | 73 | 62 |