

Monthly Report on Deceased Organ Donation in Australia

June 2019

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Explanatory notes

Definitions

- 1 Actual Deceased Organ Donor A person for whom the organ retrieval procedure commenced in the operating room (with surgical incision) for the purpose of transplantation. This includes donors who may have been deemed medically unsuitable during surgery or after the removal of organs.^{1,2,3,4}
- 2 Donation after Circulatory Death (DCD) Donation, for the purpose of transplantation, occurs following death of a person resulting from the irreversible cessation of circulatory and respiratory function.⁴
- 3 Intended Deceased Organ Donor A person for whom the donation workup was initiated as evidenced by both:
 - Formal written consent undertaken, including consent for donation of specific organs and/or tissues, and
 - Blood for tissue typing sent with allocation of a donor ID;

but donation did not proceed.⁵

- 4 Multiorgan Donor An actual deceased organ donor from whom at least two different types of organs have been retrieved for the purpose of transplantation.⁴
- 5 Recipient An individual into whom allogeneic human cells, tissues or organs were transplanted.⁴
- 6 Recipient of Multiple Organs A transplant recipient where two or more different types of organs have been utilised for transplantation in the same operative procedure. This excludes double adult kidney, en bloc kidney and double lung transplants. A single recipient can receive multiple organs in a single transplantation event.
- 7 Retrieval The procedure of removing organs or tissues from donor.⁴
- 8 Transplantation The transfer of organs and/or tissue from donor to recipient with the aim of restoring body function(s) of the recipient.⁴
- 9 Counts pertain to solid organs only (Kidney, Liver, Heart, Lung, Pancreas and Stomach Intestines). Pancreatic Islets are reported as "tissue".

Notes

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

All donation and transplantation data is presented by the state or territory of donation

Victorian activity includes those donors from Albury, NSW due to the proximity of Albury to DonateLife services in Victoria.

ANZ DATA AUSTRALIA & NEW ZEALAND ORGAN DONATION

Australia and New Zealand Organ Donation Registry

Method

To assist with transparency of reporting, the counting method is detailed below.

In Australia, data is collected via the Electronic Donor Record (EDR) and is then submitted to the online ANZOD Registry application via an XML for data validation and analysis.

Monthly data presents the number of Actual and Intended organ donors (as per definitions 1 and 3 on page 2) for a calendar month.

The count of transplant recipients identifies the number of individuals who fall under definition 5 (page 2) for the reporting period.

The count of organs transplanted identifies the number of individual organs, regardless of the type of transplant performed.^{6,7,8} Therefore, for reporting the number of organs transplanted, double lungs and double adult/en bloc kidneys have an organ count of two. A liver split into two segments and each transplanted into two recipients is counted as one organ transplanted.

In comparison, reporting of transplantation of organs represents the number of transplant procedures where one or more organs are transplanted during a single event.^{9,10,11} For reporting of double lungs and double adult/en bloc kidneys the transplantation count is one.

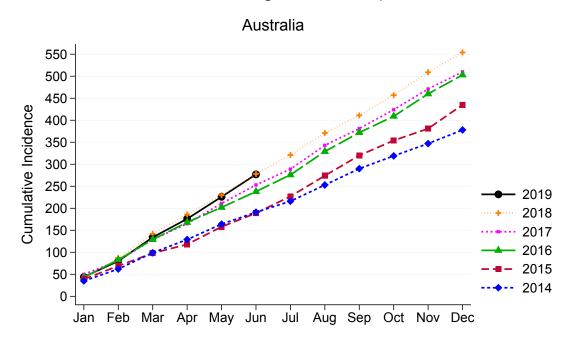
References

- 1 B.Dominguez-Hill et. al., The critical pathway for deceased donation: reportable uniformity in the approach to deceased donation (2011). Transplant International; 373-378.
- 2 ODEQUS Quality Criteria & Quality Indicators in Organ Donation (2013). Available at: http://www.odequs.eu/pdf/ODEQUS_Quality_Criteria-Indicators.pdf
- 3 Variation in Organ Donation Rates in Switzerland: Prospective Cohort Study of Potential Donors (SwissPOD) 2012. Available at: https://www.swisstransplant.org/l4/organ-donation-transplantation-allocation-coordination-wait-list-statistics.php?dl=1&datei=SwissPOD-StudyReport-English.pdf
- 4 Organ Donation and Transplantation: Striving to Achieve Self-Sufficiency. Third Global WHO Consultation. Madrid (2010). Available at: http://www.transplant-observatory.org/SiteCollectionDocuments/glorepthirdwhoglobalconsultation_part2.pdf
- 5 Formal written letter, Yael Cass, Australian Organ and Tissue Authority, Intended donor definition, (2013).
- 6 B.Dominguez-Gil et. al. Current situation of donation after circulatory death in European Countries. Transplant International (2011) 676-686
- 7 Federal Regulations Title 42: Public Health PART 486-CONDITIONS FOR COVERAGE OF SPECIALISED SERVICES FURNISHED BY SUPPLIERS Subpart G-Requirements for Certification and Designation and Conditons for Coverage: Organ Procurement Organizations
- $8\,$ NHS Blood and Transplantation. Organ Donation and Transplantation Activity Report 2012/13
- 9 Newsletter Transplant of the Council of Europe Organ Transplantation Activity Definitions.
- 10 WHO International Counting Rules
- 11 International Registry in Organ Donation and Transplantation (IRODAT) Variable Definition (2013)

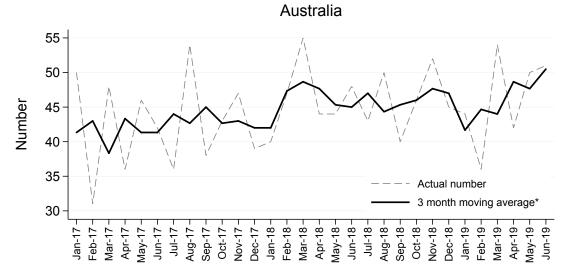


Deceased Organ Donation

Actual Deceased Organ Donors per Month



Actual Deceased Organ Donors per Month

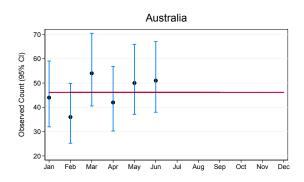


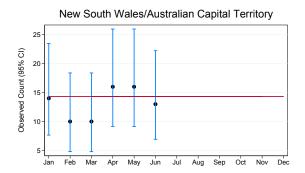
*The average is calculated from the number of actual deceased donors in the current month, previous month and next month; except for the most recent month which is calculated from the previous and current months.

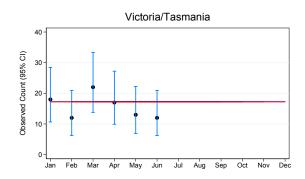


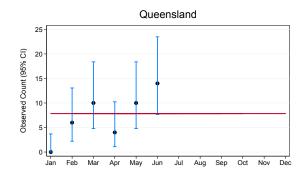
Actual Deceased Organ Donors per Month and 95% Confidence Intervals by Jurisdiction, 2019

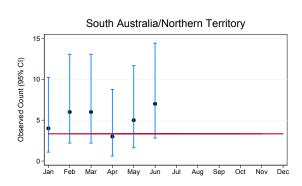
The plots below illustrate month-to-month variability in donor numbers. 95% confidence intervals are exact Poisson intervals. Reference line is the 2018 monthly average. Note the different y-axis scales for each jurisdiction.

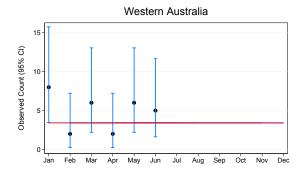














Total Actual Deceased Organ Donors

Actual deceased organ donors according to definiton 1 on page 2.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NSW	14	9	10	16	16	11							76
VIC	17	11	19	15	11	10							83
QLD	0	6	10	4	10	14							44
SA	4	5	6	3	5	6							29
WA	8	2	6	2	6	5							29
TAS	1	1	3	2	2	2							11
NT	0	1	0	0	0	1							2
ACT	0	1	0	0	0	2							3
AUSTRALIA	44	36	54	42	50	51							277

Multiorgan Deceased Donors

Multiorgan deceased donors according to definiton 4 on page 2.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NSW	11	6	7	12	10	9							55
VIC	11	5	12	9	5	8							50
QLD	0	4	8	2	7	7							28
SA	1	3	3	3	3	4							17
WA	6	2	2	0	3	4							17
TAS	1	1	1	2	1	2							8
NT	0	0	0	0	0	0							0
ACT	0	1	0	0	0	1							2
AUSTRALIA	30	22	33	28	29	35	0	0	0	0	0	0	177

Intended Deceased Organ Donors

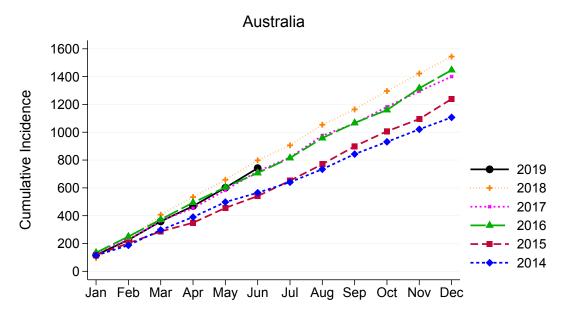
Intended deceased organ donors according to definiton 3 on page 2.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NSW	3	0	5	4	7	5							24
VIC	6	8	8	10	8	5							45
$_{ m QLD}$	2	3	1	3	7	2							18
SA	0	0	2	2	5	1							10
WA	3	1	1	1	0	1							7
TAS	1	0	0	0	1	0							2
NT	0	0	0	1	0	0							1
ACT	0	0	0	0	0	0							0
AUSTRALIA	15	12	17	21	28	14							107



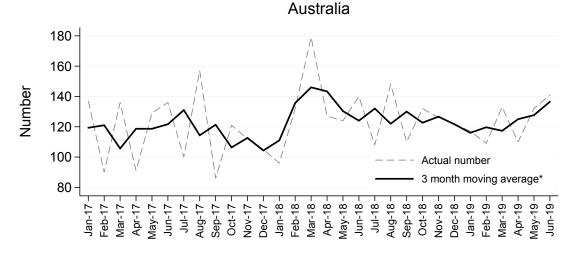
Transplant Recipients from Deceased Organ Donors

Transplant Recipients per Month from Deceased Organ Donors



Recipients transplanted with one or more organs are counted as one.

Transplant Recipients per Month from Deceased Organ Donors

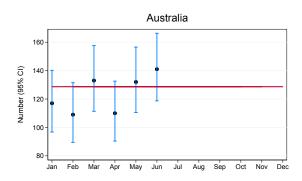


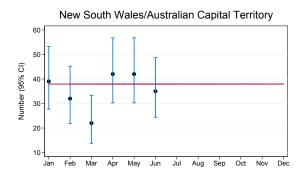
*The average is calculated from the number of transplant recipients in the current month, previous month and next month; except for the most recent month which is calculated from the previous and current months.

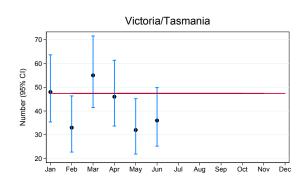


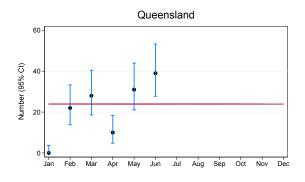
Total Transplant Recipients from Deceased Organ Donors per Month and 95% Confidence Intervals by Jurisdiction, 2019

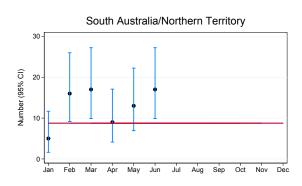
The plots below illustrate month-to-month variability in the number of transplant recipients. 95% confidence intervals are exact Poisson intervals. Reference line is the 2018 monthly average. Note the different y-axis scales for each jurisdiction. Jurisdiction of donation is not related to state/territory of transplantation.

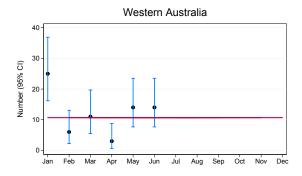














Total Transplant Recipients from Deceased Organ Donors

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NSW	39	28	22	42	42	28							201
VIC	44	28	50	38	26	32							218
$_{ m QLD}$	0	22	28	10	31	39							130
SA	5	14	17	9	13	15							73
WA	25	6	11	3	14	14							73
TAS	4	5	5	8	6	4							32
NT	0	2	0	0	0	2							4
ACT	0	4	0	0	0	7							11
AUSTRALIA	117	109	133	110	132	141							742

Recipients transplanted with one or more organs are counted as one in the monthly totals.

Mean Transplant Recipients Per Actual Deceased Organ Donor

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NSW	2.8	3.1	2.2	2.6	2.6	2.5							2.6
VIC	2.6	2.5	2.6	2.5	2.4	3.2							2.6
$_{ m QLD}$	0.0	3.7	2.8	2.5	3.1	2.8							3.0
SA	1.3	2.8	2.8	3.0	2.6	2.5							2.5
WA	3.1	3.0	1.8	1.5	2.3	2.8							2.5
TAS	4.0	5.0	1.7	4.0	3.0	2.0							2.9
NT	0.0	2.0	0.0	0.0	0.0	2.0							2.0
ACT	0.0	4.0	0.0	0.0	0.0	3.5							3.7
AUSTRALIA	2.7	3.0	2.5	2.6	2.6	2.8							2.7

Numerator = Total Recipients

Denominator = Total Actual Deceased Donors (definition 1 on page 2)

Recipients of Multiple Organs

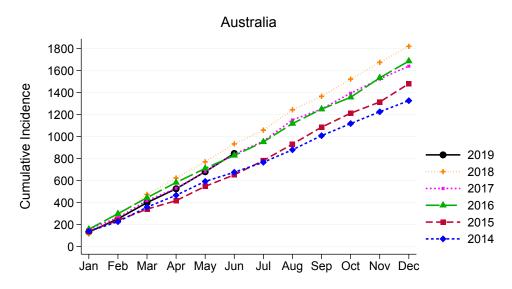
Recipients of multiple organs according to definiton 6 on page 2.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NSW	2	2	1	3	3	1							12
VIC	4	1	1	2	1	2							11
$_{ m QLD}$	0	0	1	0	0	1							2
SA	0	0	1	0	0	0							1
WA	0	1	0	0	1	0							2
TAS	0	0	0	0	0	0							0
NT	0	0	0	0	0	0							0
ACT	0	0	0	0	0	0							0
AUSTRALIA	6	4	4	5	5	4							28



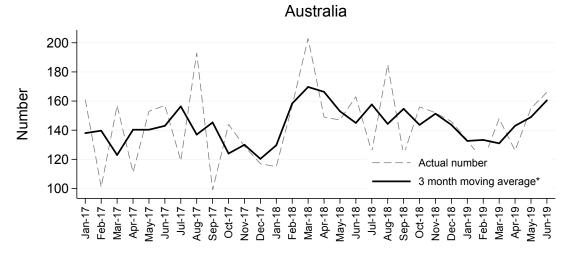
Organs Transplanted from Deceased Organ Donors

Organs Transplanted per Month from Deceased Organ Donors



Each organ is counted individually regardless of the type of transplantation performed.^{6,7,8}

Organs Transplanted per Month from Deceased Organ Donors

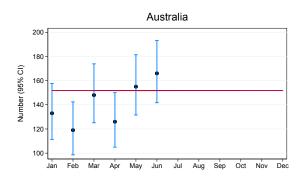


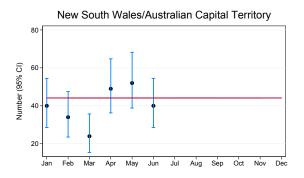
*The average is calculated from the number of transplanted organs in the current month, previous month and next month; except for the most recent month which is calculated from the previous and current months.

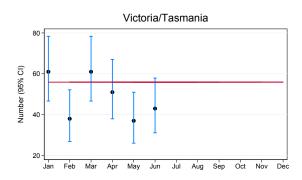


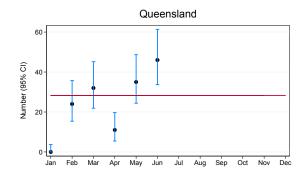
Total Organs Transplanted per Month and 95% Confidence Intervals by Jurisdiction, 2019

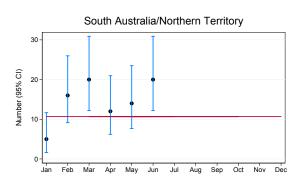
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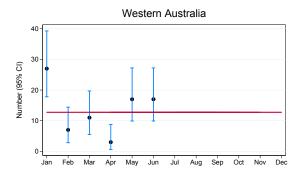














Total Organs Transplanted

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NSW	40	29	24	49	52	32							226
VIC	57	32	56	41	31	39							256
$_{ m QLD}$	0	24	32	11	35	46							148
SA	5	14	20	12	14	18							83
WA	27	7	11	3	17	17							82
TAS	4	6	5	10	6	4							35
NT	0	2	0	0	0	2							4
ACT	0	5	0	0	0	8							13
AUSTRALIA	133	119	148	126	155	166							847

Each organ is counted individually regardless of the type of transplant performed. 6,7,8

Mean Organs Transplanted Per Actual Deceased Organ Donor

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NSW	2.9	3.2	2.4	3.1	3.3	2.9							3.0
VIC	3.4	2.9	2.9	2.7	2.8	3.9							3.1
$_{ m QLD}$	0.0	4.0	3.2	2.8	3.5	3.3							3.4
SA	1.3	2.8	3.3	4.0	2.8	3.0							2.9
WA	3.4	3.5	1.8	1.5	2.8	3.4							2.8
TAS	4.0	6.0	1.7	5.0	3.0	2.0							3.2
NT	0.0	2.0	0.0	0.0	0.0	2.0							2.0
ACT	0.0	5.0	0.0	0.0	0.0	4.0							4.3
AUSTRALIA	3.0	3.3	2.7	3.0	3.1	3.3							3.1

Numerator = Total Organs

Denominator = Total Actual Donors (definition 1 on page 2)



Organs Transplanted by Organ Type

The following monthly totals of organs represent the number of organs transplanted.

Multiple transplants are counted under each of the organs. Tables showing the number of recipients of various combinations of multiple organ transplants are shown on page 16.

Kidney

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NSW	22	16	15	29	25	17							124
VIC	24	18	30	18	15	16							121
$_{ m QLD}$	0	12	17	6	18	23							76
SA	4	8	9	4	8	10							43
WA	14	4	8	3	10	10							49
TAS	2	2	4	4	4	3							19
NT	0	2	0	0	0	2							4
ACT	0	2	0	0	0	4							6
AUSTRALIA	66	64	83	64	80	85							442

Single Kidney = 1 Organ Count

Double Kidney (Double adult/En bloc) = 2 Organ Counts

Liver

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NSW	10	5	5	6	10	6							42
VIC	7	4	6	7	4	7							35
$_{ m QLD}$	0	4	8	3	7	7							29
SA	1	3	3	2	3	3							15
WA	3	2	2	0	3	1							11
TAS	1	1	1	2	1	1							7
NT	0	0	0	0	0	0							0
ACT	0	1	0	0	0	1							2
AUSTRALIA	22	20	25	20	28	26							141

Whole Liver = 1 Organ Count, even if the liver is later split or reduced in size for transplantation.

Heart

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NSW	4	4	2	2	5	1							18
VIC	4	1	5	7	3	2							$\bf 22$
QLD	0	2	1	2	1	3							9
SA	0	1	3	0	1	1							6
WA	2	0	0	0	1	0							3
TAS	1	1	0	0	1	0							3
NT	0	0	0	0	0	0							0
ACT	0	0	0	0	0	1							1
AUSTRALIA	11	9	11	11	12	8							62

 $\mbox{Heart} = 1 \mbox{ Organ Count, Heart} + \mbox{Other Organ} = 1 \mbox{ Heart Count}$

Lung

-	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NSW	2	3	2	10	10	8							35
VIC	19	8	14	8	8	13							70
$_{ m QLD}$	0	6	5	0	9	12							32
SA	0	2	4	6	2	4							18
WA	8	0	1	0	2	6							17
TAS	0	2	0	4	0	0							6
NT	0	0	0	0	0	0							0
ACT	0	2	0	0	0	2							4
AUSTRALIA	29	23	26	28	31	45							182

Single Lung = 1 Organ Count, Double Lung = 2 Organ Counts

Pancreas

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NSW	2	1	0	2	2	0							7
VIC	3	1	1	1	1	1							8
QLD	0	0	1	0	0	1							2
SA	0	0	1	0	0	0							1
WA	0	1	0	0	1	0							2
TAS	0	0	0	0	0	0							0
NT	0	0	0	0	0	0							0
ACT	0	0	0	0	0	0							0
AUSTRALIA	5	3	3	3	4	2							20

Whole Pancreas = 1 Organ Count

Pancreas used for pancreas islets transplantation is excluded from this count.

Stomach Intestine

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NSW	0	0	0	0	0	0							0
VIC	0	0	0	0	0	0							0
QLD	0	0	0	0	0	0							0
SA	0	0	0	0	0	0							0
WA	0	0	0	0	0	0							0
TAS	0	0	0	0	0	0							0
NT	0	0	0	0	0	0							0
ACT	0	0	0	0	0	0							0
AUSTRALIA	0	0	0	0	0	0							0

Stomach Intestine = 1 Organ Count

Stomach Intestine + Other Organ = 1 Organ Count



Transplantation of Organs from Deceased Organ Donors

Total Transplantation Procedures

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NSW	41	30	23	45	45	29							213
VIC	48	29	51	40	27	34							229
QLD	0	22	29	10	31	40							132
SA	5	14	18	9	13	15							74
WA	25	7	11	3	15	14							7 5
TAS	4	5	5	8	6	4							32
NT	0	2	0	0	0	2							4
ACT	0	4	0	0	0	7							11
AUSTRALIA	123	113	137	115	137	145							770

Mean Transplantation Procedures

-	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NSW	2.9	3.3	2.3	2.8	2.8	2.6							2.8
VIC	2.8	2.6	2.7	2.7	2.5	3.4							2.8
QLD	0.0	3.7	2.9	2.5	3.1	2.9							3.0
SA	1.3	2.8	3.0	3.0	2.6	2.5							2.6
WA	3.1	3.5	1.8	1.5	2.5	2.8							2.6
TAS	4.0	5.0	1.7	4.0	3.0	2.0							2.9
NT	0.0	2.0	0.0	0.0	0.0	2.0							2.0
ACT	0.0	4.0	0.0	0.0	0.0	3.5							3.7
AUSTRALIA	2.8	3.1	2.5	2.7	2.7	2.8							2.8

 ${\bf Numerator} = {\bf Total\ Procedures}$

 $Denominator = Total\ Actual\ Donors\ (definition\ 1\ on\ page\ 2)$

Multiorgan Transplantation

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
KIDNEY+HEART	0	0	1	0	0	0							1
KIDNEY+LIVER	1	1	0	2	1	1							6
KIDNEY+PANCREAS	5	3	3	3	4	2							20
LIVER+LUNGS	0	0	0	0	0	1							1
TOTAL	6	4	4	5	5	4							28



Transplantation by Organ Type

The following monthly totals represent the number of transplant procedures by organ type. Multiple organ transplantation is counted under each transplant type. (Refer to Method section on page 3).

Total Kidney Transplants

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NSW	22	16	15	29	23	17							122
VIC	24	18	30	18	15	16							121
QLD	0	12	16	5	18	22							73
SA	4	8	9	4	8	9							42
WA	14	4	8	3	9	10							48
TAS	2	2	4	4	4	3							19
NT	0	2	0	0	0	2							4
ACT	0	2	0	0	0	4							6
AUSTRALIA	66	64	82	63	77	83							435

Single Kidney (=1), Double adult/En bloc (=1) and Kidney + any Other Organ (=1)

Kidney (Single) Transplants

-	Jan	Feb	Mar	Apr	Mav	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NSW	20	14	14	26	18	17			~ · · ·				109
VIC	20	17	29	16	14	14							110
QLD	0	12	14	4	18	20							68
SA	4	8	8	4	8	8							40
WA	14	3	8	3	7	10							45
TAS	2	2	4	4	4	3							19
NT	0	2	0	0	0	2							4
ACT	0	2	0	0	0	4							6
AUSTRALIA	60	60	77	57	69	78							401

Kidney (Double Adult/En bloc) Transplants

	Jan	Feb	Mar	Apr	Mav	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NSW	0	0	0	0	2	0			~ · · ·				2
VIC	0	0	0	0	0	0							0
QLD	0	0	1	1	0	1							3
SA	0	0	0	0	0	1							1
WA	0	0	0	0	1	0							1
TAS	0	0	0	0	0	0							0
NT	0	0	0	0	0	0							0
ACT	0	0	0	0	0	0							0
AUSTRALIA	0	0	1	1	3	2							7



Kidney (+ any Other Organ) Transplants

Counts of multiorgan transplants utilising at least one kidney are excluded from the above counts.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
KIDNEY+HEART	0	0	1	0	0	0							1
KIDNEY+LIVER	1	1	0	2	1	1							6
KIDNEY+PANCREAS	5	3	3	3	4	2							20
TOTAL	6	4	4	5	5	3							27



Total Liver Transplants

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NSW	12	6	5	6	10	7							46
VIC	7	4	8	9	4	8							40
QLD	0	4	8	3	7	8							30
SA	1	3	3	2	3	3							15
WA	3	2	2	0	3	1							11
TAS	1	1	1	2	1	1							7
NT	0	0	0	0	0	0							0
ACT	0	1	0	0	0	1							2
AUSTRALIA	24	21	27	22	28	29							151

Whole Liver (=1), Split Left (=1), Split Right (=1)Reduced Size (=1) and Liver + any Other Organ (=1)

Liver (Whole) Transplants

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NSW	8	4	5	5	9	4							35
VIC	6	4	3	4	4	5							26
QLD	0	4	8	2	7	5							26
SA	1	3	3	2	3	3							15
WA	3	2	2	0	3	1							11
TAS	1	1	1	2	1	1							7
NT	0	0	0	0	0	0							0
ACT	0	1	0	0	0	1							2
AUSTRALIA	19	19	22	15	27	20							122

Liver (Split) Transplants

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NSW	4	1	0	0	0	2							7
VIC	0	0	4	4	0	2							10
QLD	0	0	0	0	0	2							2
SA	0	0	0	0	0	0							0
WA	0	0	0	0	0	0							0
TAS	0	0	0	0	0	0							0
NT	0	0	0	0	0	0							0
ACT	0	0	0	0	0	0							0
AUSTRALIA	4	1	4	4	0	6							19

Liver (Reduced Size) Transplants

-	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NSW	0	0	0	0	0	0							0
VIC	0	0	1	0	0	0							1
$_{ m QLD}$	0	0	0	1	0	1							2
SA	0	0	0	0	0	0							0
WA	0	0	0	0	0	0							0
TAS	0	0	0	0	0	0							0
NT	0	0	0	0	0	0							0
ACT	0	0	0	0	0	0							0
AUSTRALIA	0	0	1	1	0	1							3

Liver (+ any Other Organ) Transplants

Counts of multiorgan transplants utilising a liver are excluded from the above counts.

-	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
LIVER+KIDNEY	1	1	0	2	1	1							6
LIVER+LUNGS	0	0	0	0	0	1							1
TOTAL	1	1	0	2	1	2							7



Total Heart Transplants

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NSW	4	4	2	2	5	1							18
VIC	4	1	5	7	3	2							22
QLD	0	2	1	2	1	3							9
SA	0	1	3	0	1	1							6
WA	2	0	0	0	1	0							3
TAS	1	1	0	0	1	0							3
NT	0	0	0	0	0	0							0
ACT	0	0	0	0	0	1							1
AUSTRALIA	11	9	11	11	12	8							62

Heart only (=1) and Heart + any Other Organ (=1)

Heart (Only) Transplants

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NSW	4	4	1	2	5	1							17
VIC	4	1	5	7	3	2							22
$_{ m QLD}$	0	2	1	2	1	3							9
SA	0	1	3	0	1	1							6
WA	2	0	0	0	1	0							3
TAS	1	1	0	0	1	0							3
NT	0	0	0	0	0	0							0
ACT	0	0	0	0	0	1							1
AUSTRALIA	11	9	10	11	12	8							61

Heart (+ any Other Organ) Transplants

Counts of multiorgan transplants utilising a heart are excluded from the above counts.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
HEART+KIDNEY	0	0	1	0	0	0							1
TOTAL	0	0	1	0	0	0							1



Total Lung Transplants

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NSW	1	3	1	6	5	4							20
VIC	10	5	7	5	4	7							38
QLD	0	4	3	0	5	6							18
SA	0	2	2	3	1	2							10
WA	6	0	1	0	1	3							11
TAS	0	1	0	2	0	0							3
NT	0	0	0	0	0	0							0
ACT	0	1	0	0	0	1							2
AUSTRALIA	17	16	14	16	16	23							102

Single Lung (=1), Double Lung (=1), Single Lung + any Other Organ (=1), Double Lung + any Other Organ (=1)

Lung (Double) Transplants

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NSW	1	0	1	4	5	3							14
VIC	9	3	7	3	4	6							32
QLD	0	2	2	0	4	6							14
SA	0	0	2	3	1	2							8
WA	2	0	0	0	1	3							6
TAS	0	1	0	2	0	0							3
NT	0	0	0	0	0	0							0
ACT	0	1	0	0	0	1							2
AUSTRALIA	12	7	12	12	15	21							79

Lung (Single) Transplants

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NSW	0	3	0	2	0	0							5
VIC	1	2	0	2	0	1							6
QLD	0	2	1	0	1	0							4
SA	0	2	0	0	0	0							2
WA	4	0	1	0	0	0							5
TAS	0	0	0	0	0	0							0
NT	0	0	0	0	0	0							0
ACT	0	0	0	0	0	0							0
AUSTRALIA	5	9	2	4	1	1							22



Lung (+ any Other Organ) Transplants

Counts of multiorgan transplants utilising at least one lung are excluded from the above counts.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
LUNGS+LIVER	0	0	0	0	0	1							1
TOTAL	0	0	0	0	0	1							1



Total Pancreas Transplants

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NSW	2	1	0	2	2	0							7
VIC	3	1	1	1	1	1							8
QLD	0	0	1	0	0	1							2
SA	0	0	1	0	0	0							1
WA	0	1	0	0	1	0							2
TAS	0	0	0	0	0	0							0
NT	0	0	0	0	0	0							0
ACT	0	0	0	0	0	0							0
AUSTRALIA	5	3	3	3	4	2							20

Whole Pancreas (=1) and Pancreas + any Other Organ (=1)

Pancreas (Whole) Transplants

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NSW	0	0	0	0	0	0							0
VIC	0	0	0	0	0	0							0
$_{ m QLD}$	0	0	0	0	0	0							0
SA	0	0	0	0	0	0							0
WA	0	0	0	0	0	0							0
TAS	0	0	0	0	0	0							0
NT	0	0	0	0	0	0							0
ACT	0	0	0	0	0	0							0
AUSTRALIA	0	0	0	0	0	0							0

Pancreas (+ any Other Organ) Transplants

Counts of multiorgan transplants utilising a pancreas are excluded from the above counts.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
PANCREAS+KIDNEY	5	3	3	3	4	2							20
TOTAL	5	3	3	3	4	2							20

Total Stomach Intestine Transplant Recipients

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NSW	0	0	0	0	0	0							0
VIC	0	0	0	0	0	0							0
$_{ m QLD}$	0	0	0	0	0	0							0
SA	0	0	0	0	0	0							0
WA	0	0	0	0	0	0							0
TAS	0	0	0	0	0	0							0
NT	0	0	0	0	0	0							0
ACT	0	0	0	0	0	0							0
AUSTRALIA	0	0	0	0	0	0							0

Stomach Intestine (=1) and Stomach Intestine + any Other Organ (=1)



Activity Summary: Donation Following Circulatory Death

(See defintion 2 on page 2)

Actual Organ Donors following Circulatory Death

Actual deceased organ donors according to definition 1 on page 2.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NSW	1	1	4	7	4	4							21
VIC	7	5	8	4	5	3							32
$_{ m QLD}$	0	1	2	0	3	5							11
SA	1	2	2	0	1	2							8
WA	4	0	4	2	3	3							16
TAS	0	0	0	0	1	0							1
NT	0	1	0	0	0	1							2
ACT	0	1	0	0	0	0							1
AUSTRALIA	13	11	20	13	17	18							92

Transplant Recipients from Donors following Circulatory Death

The following monthly totals represent the number of transplant recipients from deceased organ donors following circulatory death.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NSW	2	4	8	14	5	9							42
VIC	13	12	16	8	10	8							67
QLD	0	5	2	0	8	9							$\bf 24$
SA	1	2	3	0	2	5							13
WA	8	0	4	3	4	8							27
TAS	0	0	0	0	2	0							2
NT	0	2	0	0	0	2							4
ACT	0	4	0	0	0	0							4
AUSTRALIA	24	29	33	25	31	41							183

Recipients transplanted with one or more organs are counted as one.

Organs Transplanted from Donors following Circulatory Death

The following monthly totals of organs represent the number of organs transplanted from deceased donors following circulatory death.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NSW	2	4	8	16	7	11							48
VIC	16	14	19	10	12	10							81
QLD	0	6	2	0	9	9							26
SA	1	2	3	0	2	6							14
WA	9	0	4	3	4	10							30
TAS	0	0	0	0	2	0							2
NT	0	2	0	0	0	2							4
ACT	0	5	0	0	0	0							5
AUSTRALIA	28	33	36	29	36	48							210

Each organ is counted individually regardless of the type of transplantation performed.



Organs Transplanted by Organ Type from Donors following Circulatory Death Kidney

-	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NSW	2	2	6	11	5	6							32
VIC	10	8	13	5	7	6							49
QLD	0	2	2	0	6	9							19
SA	1	2	3	0	2	4							12
WA	6	0	4	3	4	6							23
TAS	0	0	0	0	2	0							2
NT	0	2	0	0	0	2							4
ACT	0	2	0	0	0	0							2
AUSTRALIA	19	18	28	19	26	33							143

Single Kidney = 1 Organ Count

Double Kidney (Double adult/En bloc) = 2 Organ Counts

Liver

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NSW	0	0	1	1	0	1							3
VIC	0	0	0	0	1	2							3
QLD	0	1	0	0	1	0							2
SA	0	0	0	0	0	0							0
WA	0	0	0	0	0	0							0
TAS	0	0	0	0	0	0							0
NT	0	0	0	0	0	0							0
ACT	0	1	0	0	0	0							1
AUSTRALIA	0	2	1	1	2	3							9

Whole Liver = 1 Organ Count, even if the liver is later split or reduced in size for transplantation.

Heart

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NSW	0	0	1	0	0	0							1
VIC	0	0	0	1	1	0							2
QLD	0	1	0	0	0	0							1
SA	0	0	0	0	0	0							0
WA	0	0	0	0	0	0							0
TAS	0	0	0	0	0	0							0
NT	0	0	0	0	0	0							0
ACT	0	0	0	0	0	0							0
AUSTRALIA	0	1	1	1	1	0							4

 $\mbox{Heart} = 1 \mbox{ Organ Count}, \mbox{ Heart} + \mbox{Other Organ} = 1 \mbox{ Heart Count}$



Lung

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NSW	0	2	0	3	2	4							11
VIC	6	6	6	4	2	2							26
$_{ m QLD}$	0	2	0	0	2	0							4
SA	0	0	0	0	0	2							2
WA	3	0	0	0	0	4							7
TAS	0	0	0	0	0	0							0
NT	0	0	0	0	0	0							0
ACT	0	2	0	0	0	0							2
AUSTRALIA	9	12	6	7	6	12							52

Single Lung = 1 Organ Count, Double Lung = 2 Organ Counts

Pancreas

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NSW	0	0	0	1	0	0							1
VIC	0	0	0	0	1	0							1
$_{ m QLD}$	0	0	0	0	0	0							0
SA	0	0	0	0	0	0							0
WA	0	0	0	0	0	0							0
TAS	0	0	0	0	0	0							0
NT	0	0	0	0	0	0							0
ACT	0	0	0	0	0	0							0
AUSTRALIA	0	0	0	1	1	0							2

Whole Pancreas = 1 Organ Count

Pancreas used for pancreas islets transplantation is excluded from this count.

Stomach Intestine

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NSW	0	0	0	0	0	0							0
VIC	0	0	0	0	0	0							0
QLD	0	0	0	0	0	0							0
SA	0	0	0	0	0	0							0
WA	0	0	0	0	0	0							0
TAS	0	0	0	0	0	0							0
NT	0	0	0	0	0	0							0
ACT	0	0	0	0	0	0							0
AUSTRALIA	0	0	0	0	0	0							0

Stomach Intestine = 1 Organ Count

Stomach Intestine + Other Organ = 1 Organ Count



Transplantation of Organs from Donors following Circulatory Death Total Transplantation Procedures

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NSW	2	4	8	15	5	9							43
VIC	13	12	16	8	11	9							69
QLD	0	5	2	0	8	9							${\bf 24}$
SA	1	2	3	0	2	5							13
WA	8	0	4	3	4	8							27
TAS	0	0	0	0	2	0							2
NT	0	2	0	0	0	2							4
ACT	0	4	0	0	0	0							4
AUSTRALIA	24	29	33	26	32	42							186

Transplantation by Organ Type from Donors following Circulatory Death Total Kidney Transplants

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NSW	2	2	6	11	4	6							31
VIC	10	8	13	5	7	6							49
QLD	0	2	2	0	6	9							19
SA	1	2	3	0	2	4							12
WA	6	0	4	3	4	6							23
TAS	0	0	0	0	2	0							2
NT	0	2	0	0	0	2							4
ACT	0	2	0	0	0	0							2
AUSTRALIA	19	18	28	19	25	33							142

Single Kidney (=1), Double adult/En bloc (=1) and Kidney + any Other Organ (=1)

Kidney (Single) Transplants

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NSW	2	2	6	10	3	6							29
VIC	10	8	13	5	6	5							47
QLD	0	2	2	0	6	9							19
SA	1	2	3	0	2	4							12
WA	6	0	4	3	4	6							23
TAS	0	0	0	0	2	0							2
NT	0	2	0	0	0	2							4
ACT	0	2	0	0	0	0							2
AUSTRALIA	19	18	28	18	23	32							138

Kidney (Double Adult/En bloc) Transplants

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NSW	0	0	0	0	1	0							1
VIC	0	0	0	0	0	0							0
QLD	0	0	0	0	0	0							0
SA	0	0	0	0	0	0							0
WA	0	0	0	0	0	0							0
TAS	0	0	0	0	0	0							0
NT	0	0	0	0	0	0							0
ACT	0	0	0	0	0	0							0
AUSTRALIA	0	0	0	0	1	0							1

Kidney (+ any Other Organ) Transplants

Counts of multiorgan transplants utilising at least one kidney are excluded from the above counts.

-	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
KIDNEY+LIVER	0	0	0	0	0	1							1
KIDNEY+PANCREAS	0	0	0	1	1	0							2
TOTAL	0	0	0	1	1	1							3



Total Liver Transplants

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NSW	0	0	1	1	0	1							3
VIC	0	0	0	0	1	2							3
$_{ m QLD}$	0	1	0	0	1	0							2
SA	0	0	0	0	0	0							0
WA	0	0	0	0	0	0							0
TAS	0	0	0	0	0	0							0
NT	0	0	0	0	0	0							0
ACT	0	1	0	0	0	0							1
AUSTRALIA	0	2	1	1	2	3							9

Whole Liver (=1), Split Left (=1), Split Right (=1)Reduced Size (=1) and Liver + any Other Organ (=1)

Liver (Whole) Transplants

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NSW	0	0	1	1	0	1							3
VIC	0	0	0	0	1	1							2
QLD	0	1	0	0	1	0							2
SA	0	0	0	0	0	0							0
WA	0	0	0	0	0	0							0
TAS	0	0	0	0	0	0							0
NT	0	0	0	0	0	0							0
ACT	0	1	0	0	0	0							1
AUSTRALIA	0	2	1	1	2	2							8

Liver (Split) Transplants

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NSW	0	0	0	0	0	0							0
VIC	0	0	0	0	0	0							0
QLD	0	0	0	0	0	0							0
SA	0	0	0	0	0	0							0
WA	0	0	0	0	0	0							0
TAS	0	0	0	0	0	0							0
NT	0	0	0	0	0	0							0
ACT	0	0	0	0	0	0							0
AUSTRALIA	0	0	0	0	0	0							0

Liver (Reduced Size) Transplants

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NSW	0	0	0	0	0	0							0
VIC	0	0	0	0	0	0							0
$_{ m QLD}$	0	0	0	0	0	0							0
SA	0	0	0	0	0	0							0
WA	0	0	0	0	0	0							0
TAS	0	0	0	0	0	0							0
NT	0	0	0	0	0	0							0
ACT	0	0	0	0	0	0							0
AUSTRALIA	0	0	0	0	0	0							0

Liver (+ any Other Organ) Transplants

Counts of multiorgan transplants utilising a liver are excluded from the above counts.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
LIVER+KIDNEY	0	0	0	0	0	1							1
TOTAL	0	0	0	0	0	1							1



Total Heart Transplants

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NSW	0	0	1	0	0	0							1
VIC	0	0	0	1	1	0							2
QLD	0	1	0	0	0	0							1
SA	0	0	0	0	0	0							0
WA	0	0	0	0	0	0							0
TAS	0	0	0	0	0	0							0
NT	0	0	0	0	0	0							0
ACT	0	0	0	0	0	0							0
AUSTRALIA	0	1	1	1	1	0							4

Heart only (=1) and Heart + any Other Organ (=1)

Heart (Only) Transplants

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NSW	0	0	1	0	0	0							1
VIC	0	0	0	1	1	0							2
$_{ m QLD}$	0	1	0	0	0	0							1
SA	0	0	0	0	0	0							0
WA	0	0	0	0	0	0							0
TAS	0	0	0	0	0	0							0
NT	0	0	0	0	0	0							0
ACT	0	0	0	0	0	0							0
AUSTRALIA	0	1	1	1	1	0							4



Total Lung Transplants

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NSW	0	2	0	2	1	2							7
VIC	3	4	3	2	1	1							14
QLD	0	1	0	0	1	0							2
SA	0	0	0	0	0	1							1
WA	2	0	0	0	0	2							4
TAS	0	0	0	0	0	0							0
NT	0	0	0	0	0	0							0
ACT	0	1	0	0	0	0							1
AUSTRALIA	5	8	3	4	3	6							29

Single Lung (=1), Double Lung (=1), Single Lung + any Other Organ (=1), Double Lung + any Other Organ (=1)

Lung (Double) Transplants

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NSW	0	0	0	1	1	2							4
VIC	3	2	3	2	1	1							12
QLD	0	1	0	0	1	0							2
SA	0	0	0	0	0	1							1
WA	1	0	0	0	0	2							3
TAS	0	0	0	0	0	0							0
NT	0	0	0	0	0	0							0
ACT	0	1	0	0	0	0							1
AUSTRALIA	4	4	3	3	3	6							23

Lung (Single) Transplants

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NSW	0	2	0	1	0	0							3
VIC	0	2	0	0	0	0							2
$_{ m QLD}$	0	0	0	0	0	0							0
SA	0	0	0	0	0	0							0
WA	1	0	0	0	0	0							1
TAS	0	0	0	0	0	0							0
NT	0	0	0	0	0	0							0
ACT	0	0	0	0	0	0							0
AUSTRALIA	1	4	0	1	0	0							6

Total Pancreas Transplants

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NSW	0	0	0	1	0	0							1
VIC	0	0	0	0	1	0							1
$_{ m QLD}$	0	0	0	0	0	0							0
SA	0	0	0	0	0	0							0
WA	0	0	0	0	0	0							0
TAS	0	0	0	0	0	0							0
NT	0	0	0	0	0	0							0
ACT	0	0	0	0	0	0							0
AUSTRALIA	0	0	0	1	1	0							2

Whole Pancreas (=1) and Pancreas + any Other Organ (=1)

Pancreas (Whole) Transplants

-	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NSW	0	0	0	0	0	0							0
VIC	0	0	0	0	0	0							0
$_{ m QLD}$	0	0	0	0	0	0							0
SA	0	0	0	0	0	0							0
WA	0	0	0	0	0	0							0
TAS	0	0	0	0	0	0							0
NT	0	0	0	0	0	0							0
ACT	0	0	0	0	0	0							0
AUSTRALIA	0	0	0	0	0	0							0

Pancreas (+ any Other Organ) Transplants

Counts of multiorgan transplants utilising a pancreas are included in the above counts.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
PANCREAS+KIDNEY	0	0	0	1	1	0							2
TOTAL	0	0	0	1	1	0							$\overline{2}$

Total Stomach Intestine Transplants

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NSW	0	0	0	0	0	0							0
VIC	0	0	0	0	0	0							0
QLD	0	0	0	0	0	0							0
SA	0	0	0	0	0	0							0
WA	0	0	0	0	0	0							0
TAS	0	0	0	0	0	0							0
NT	0	0	0	0	0	0							0
ACT	0	0	0	0	0	0							0
AUSTRALIA	0	0	0	0	0	0							0

Stomach Intestine (=1) and Stomach Intestine + any Other Organ (=1)