



ANZOD Online Module

Standard Operating Procedures

(Version 2021.3)

Contents:

Document History: 7

Purpose: 8

Redeveloped ANZDATA Application: 8

Contacting ANZDATA/ANZOD Registries: 8

Setup: 9

Test Environment..... 10

Registering for Access: 10

Reset password: 12

Page Help: 13

Navigation of ANZOD module:..... 15

Home Page: 16

Edit Your Details:..... 18

ANZOD Tab:..... 19

Electronic Donor Record (EDR) XML Upload: 20

Search ANZOD Registry:..... 22

Add Donor 27

Donor Details: 27

Past Medical History Risk Factors: 33

Past History of Cancer in Donor:..... 35

Print ANZOD Form: 38

Authority to Donate:..... 40

Authority Sought For:..... 42

Donation Event 47

Key Events: 47

Declared Brain Dead (2nd test) Donor transferring to Organ Retrieval via the Donation after
Circulatory Death Pathway: 53

Blood Group/HLA Typing: 54

Hepatitis and Other Virology: 55

Donor Maintenance (Post Brain Death or Pre-DCD):.....	56
Terminal Treatment:	57
Kidney – Organ Data:	59
Liver – Organ Data:	61
Heart – Organ Data:	63
Lung – Organ Data:	64
Pancreas – Organ Data:.....	66
Organs Retrieved:	67
Destination:.....	71
Additional Organs Received:	76
Review and Submit:	80
Reports Tab:	81
ANZOD Form:	82
Past History of Cancer in Donor:.....	87
Actual Donors by Month:.....	92
Donation Outcomes:	94
Donor Details:	97
Donation Pathway by Facility:	99
Transplant Outcomes of Donations by Month:	101
Ad-hoc Reports:	103
Drop Down Arrow:	106
Save Report:	109
Appendix 1 – ANZOD Code Tables:	112
Related Documents:.....	131

Figures:

Figure 3 - Google Chrome icon in the Start Menu.....	9
Figure 4 - Compatibility Tab.....	9
Figure 5 – Registry application log in page.....	10
Figure 6 - New user registration page.....	11
Figure 7 - Link to reset password.....	12
Figure 8 - Reset password screen.....	12
Figure 9 – Help icon.....	13
Figure 10 - Example of a pop up screen with Page Help.....	14
Figure 11 - Navigation pane.....	15
Figure 12 - ANZOD Home page.....	16
Figure 13 - ANZOD home page.....	17
Figure 14 - Edit Your Details page.....	18
Figure 15 - Search ANZOD Registry Page.....	19
Figure 16 - EDR XML Upload.....	20
Figure 17 - Example of file selected prior to transfer.....	20
Figure 18 - Confirmation of successful XML transfer.....	21
Figure 19 - Unsuccessful XML transfer.....	21
Figure 20 - Search ANZOD Registry page.....	22
Figure 21 - Message received when there are no results found.....	24
Figure 22 - Filter, sort or hide dropdown available for each column.....	24
Figure 23 - Drag and drop column headings to re-arrange the order displayed.....	25
Figure 24 - Select a donor record.....	26
Figure 25 - Donor Details screen.....	27
Figure 26 - Error message for incomplete mandatory fields with addition of 'Incision Date/Time' as a Key Event field.....	28
Figure 27 - Successful save.....	29
Figure 28 - Past medical history risk factors.....	33
Figure 29 - Past history in cancer of donor section.....	35
Figure 30 - Cancer details screen.....	35
Figure 31 - Summary of cancer details.....	37
Figure 32 - Generating a PDF of a pre-filled ANZOD form.....	38
Figure 33 - Completed ANZOD form example- page 1.....	39
Figure 34 - Completed ANZOD form example - page 2.....	39
Figure 35 - Authority to donate screen.....	40
Figure 36 - Overview of Authority Sought and Authority Obtained page.....	42
Figure 37 - Authority Sought - No example.....	43
Figure 38 - Authority Sought - Additional free text.....	43
Figure 39 - Eyes - Whole consented.....	44
Figure 40 - Eyes - Corneas Only Consented.....	44
Figure 41 - Vessels not sought for due to no program available in the donor state.....	45
Figure 42 - Stomach-Intestine data entry.....	45
Figure 43 - Stomach-Intestine field once saved.....	46
Figure 44 - Key Events, example of active fields for an actual DBD donor.....	47
Figure 45 - Example of an error with a missing key event date and time.....	52
Figure 46 - Blood Group and HLA Typing.....	54

Figure 47 - Hepatitis and Other Virology	55
Figure 48 - Donor Maintenance	56
Figure 49 - Terminal Treatment	57
Figure 50 - Kidney data section	59
Figure 51 - Liver data section	61
Figure 52 - Heart data section	63
Figure 53 - Lung data section	64
Figure 54 - Pancreas data section	66
Figure 55 - Organs Retrieved page.....	67
Figure 56 - Example of data entry on the Organs Retrieved page	69
Figure 57 - Example of whole heart being retrieved.....	70
Figure 58 - Example of heart valves retrieved.....	70
Figure 59 - Example of no solutions	70
Figure 60 - Destination screen	71
Figure 61 - Example of 2 kidney transplants for 2 different recipients.....	73
Figure 62 - Example of a double adult kidney transplant	73
Figure 63 - Example of en bloc kidney transplant, most en bloc kidneys are from paediatric donors..	73
Figure 64 - Example of a liver transplant	74
Figure 65 - Example of 2 split liver transplants	74
Figure 66 - Example of 2 lung transplants in 2 different recipients	74
Figure 67 - Example of a double lung transplant	74
Figure 68 - Example of pancreas transplanted	75
Figure 69 - Example of pancreas islets for research.....	75
Figure 70 - Example of normal outcome for tissues - Stored	75
Figure 71 - Additional Organs Received column	76
Figure 72 - Selecting from the Additional Organs Retrieved drop down box.....	77
Figure 73 - Example of a Kidney-Pancreas recipient and a Heart-Double Lung recipient using the Additional Organs Retrieved column	78
Figure 74 - Example of a kidney-liver-pancreas recipient using the Additional Organs Received column.....	79
Figure 75 - Reports page	81
Figure 76 - Generating a blank ANZOD Form	82
Figure 77 - Open or save the blank ANZOD Form from the pop-up	82
Figure 78 - Blank ANZOD Form example - page 1.....	83
Figure 79 - Blank ANZOD Form example - page 2.....	83
Figure 80 - Generating a populated ANZOD Form	84
Figure 81 - Completed ANZOD form example- page 1.....	85
Figure 82 - Completed ANZOD form example - page 2	85
Figure 83 - Generating populated ANZOD Forms for a donor facility.....	86
Figure 84 - Generating a blank Past History of Cancer in Donor Form	87
Figure 85 - Open or save the blank Past History of Cancer in Donor Form from the pop-up.....	88
Figure 86 - Blank Past History of Cancer in Donor Form example	89
Figure 87 - Generating a populated Past History of Cancer in Donor Form	90
Figure 88 - Completed Past History of Cancer in Donor Form example	90
Figure 89 - Generating populated Past History of Cancer in Donor Forms for a donor facility	91
Figure 90 - Parameters entered for the report : Actual Donors by Month	92

Figure 91 - Actual Donors by Month report	93
Figure 92 - Parameters used to provide data of Donation Outcomes for a particular month.....	94
Figure 93 - Report outcome using Figure 92 parameters	94
Figure 94 - Parameters used to provide data of Donation Outcomes for a particular year	95
Figure 95 - Report outcome using Figure 94 parameters	95
Figure 96 - Parameters used to provide data of Donation Outcomes for a particular State (Multiple Years)	96
Figure 97 - Report outcome using Figure 96 parameters	96
Figure 98 - Parameters entered for the report : Donor Details.....	97
Figure 99 - Report outcome using Figure 98 parameters	98
Figure 100 - Parameters entered for the report : Donation Pathway by Facility.....	99
Figure 101 - Report outcome using Figure 100 parameters	99
Figure 102 - Parameters entered for the report : Donation Pathway by Facility.....	100
Figure 103 - Report outcome using Figure 102 parameters	100
Figure 104 - Parameters entered for the report : Transplant Outcomes of Donations by Month	101
Figure 105 - Report outcome using Figure 104 parameters	101
Figure 106 - Parameters entered for the report : Transplant Outcomes of Donations by Month	102
Figure 107 - Report outcome using Figure 106 parameters	102
Figure 108 - Generating a new ad-hoc report.....	103
Figure 109 - Initial data selection, folder view	Error! Bookmark not defined.
Figure 110 - A pop up will provide additional information of the initial dataset.....	104
Figure 111 - Filter conditions page.....	104
Figure 112 - Multiple filters can be added to the dataset at one time	105
Figure 113 - Online results utilising the Report Builder.....	106
Figure 114 - Drop down menu	107
Figure 115 - Example of selecting and deselecting columns from the drop down button	107
Figure 116 - Example of filtering data using the drop down button.....	108
Figure 117 - Saving report results	109
Figure 118 - Report details.....	110
Figure 119 - A report (All Donations) saved within a menu folder (ANZOD Reports)	111
Figure 120 - A new report (Vic Outcomes) saved within a newly generated menu folder (Vic Agency Manager)	111

Document History:

Revision	Date	Description
2014.1	12/10/2013	Creation
2014.2	25/11/2014	Updated to align with release on new system design
2021.3	16/09/2021	Update to align with system design and update code tables

Purpose:

This document describes how to navigate the ANZOD component of the web interface to manually enter data, upload an XML output from the Electronic Donor Record (EDR) and address any errors or missing data.

Redeveloped ANZDATA Application:

The ANZOD Registry records and reports on a wide range of statistics that relate to organ donation following death within Australia and New Zealand. Up until March 31st 2014 all data collected by the Registry was submitted via a paper form and entered by Registry staff manually.

From March 31st 2014, Australian data is entered into the national Electronic Donor Record (EDR) system and is sent to the Registry using web services. New Zealand data is entered directly into the Registry application by New Zealand donation specialists.

The manually entered data is then validated within a staging environment prior to transferring to the ANZOD database by Registry staff. Records transferred from the EDR will also be stored in the staging environment for manual review prior to submission.

The new application log in page can be found at - <https://services.anzdata.org.au/>. Existing users will be required to log in and new users will be required to register for access by clicking the 'Register' link.

Contacting ANZDATA/ANZOD Registries:

Registry Staff can be contacted by :

Email – anzod@anzdata.org.au

Phone – (08) 8128 4758 (Normal office hours)

Setup:

To view the application correctly and ensure it is working efficiently, Google Chrome should be used. Please check that the internet browser has the Compatibility Mode switched off.

Examples, of how to turn the Compatibly Mode off are below.

Google Chrome

To ensure Compatibility Mode is off in Google Chrome, right click the icon located either in your start menu or in control panel and select 'Properties'.

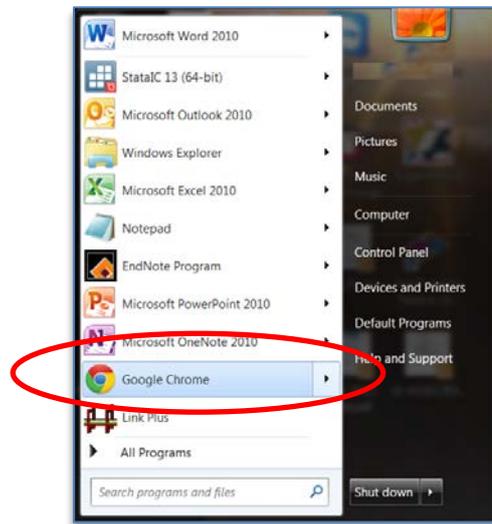


Figure 1 - Google Chrome icon in the Start Menu

Select the Compatibility Tab and un-tick 'Run this program in compatibility mode' to switch off.

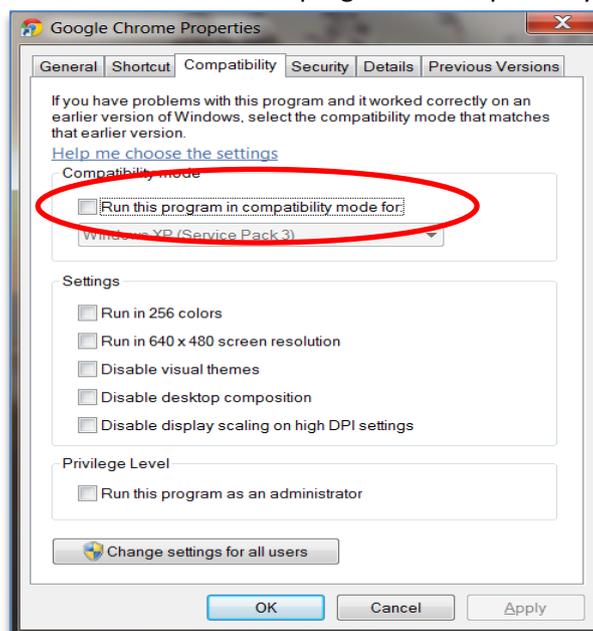


Figure 2 - Compatibility Tab

Test Environment

A test environment exists at the below web address to be used for training of staff before live access given.

<https://uat.anzdata.org.au/Core/Account/Login?ReturnUrl=%2f>

Registering for access and use follows the same steps provided through this user guide.

Registering for Access:

To register for access to the Registry application, select the 'Register' link that is on the log in screen.

Users will be expected to fill in required information, as well as provide a reason for access in the 'Why do you need access' field. It is also a requirement for the user to identify which 'Application Section' they require access to, in this case ANZOD.

Once completed click the 'Register' button. The request will be sent to the user's Agency Manager for initial approval followed by the Registry's Data Systems Manager for final approval. The user will either be notified of their log in credentials or be contacted for further information via email.

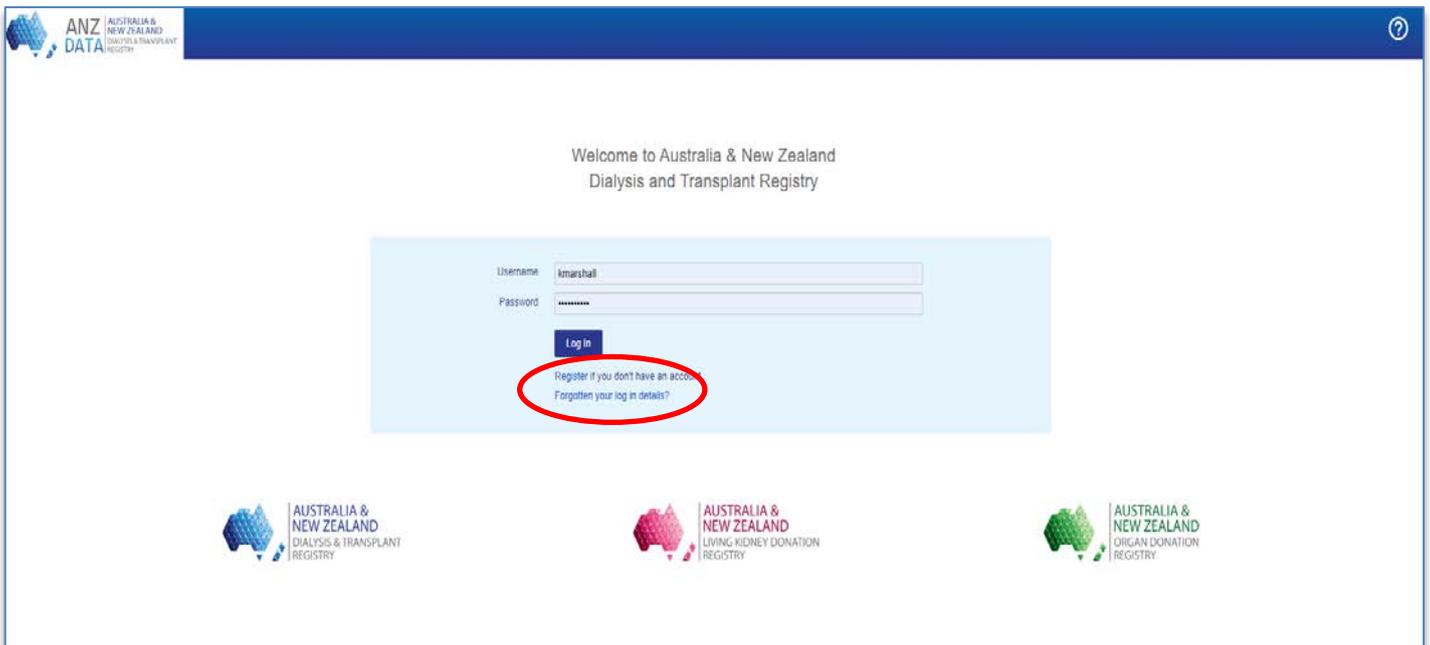
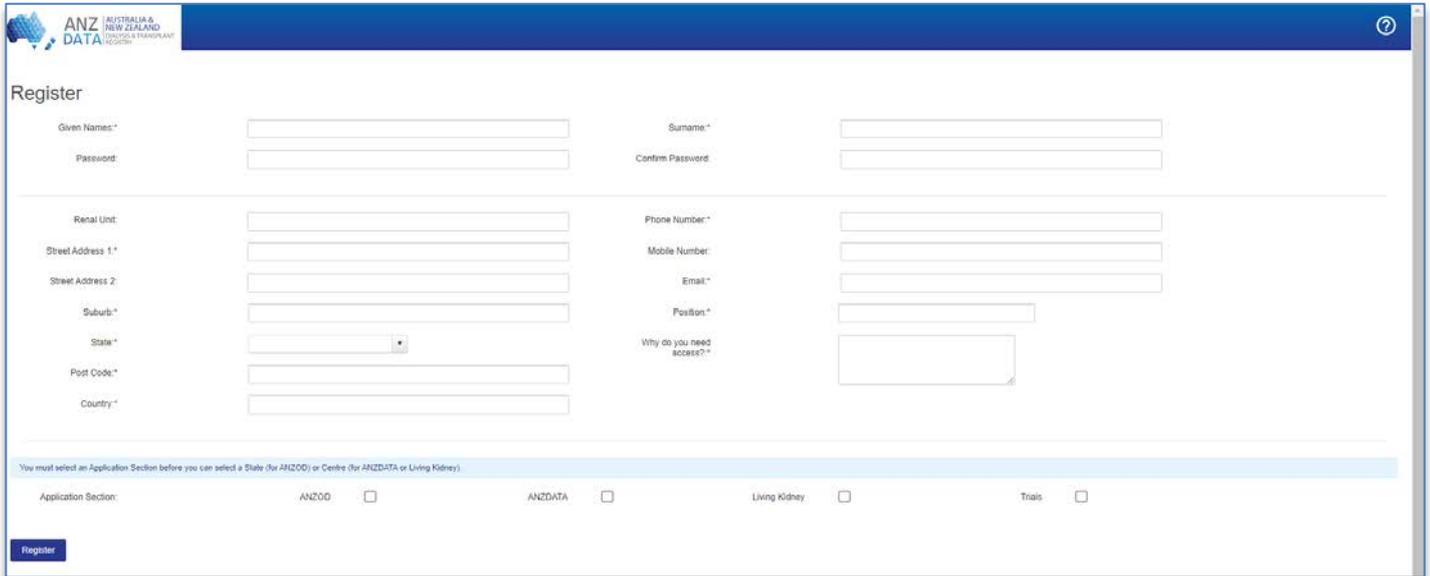


Figure 3 – Registry application log in page



The screenshot shows a web browser window with the ANZOD Online Module registration page. The page has a blue header with the ANZ DATA logo and a help icon. The main content area is titled "Register" and contains a registration form with the following fields:

- Given Names* (text input)
- Surname* (text input)
- Password* (text input)
- Confirm Password* (text input)
- Renal Unit* (text input)
- Phone Number* (text input)
- Street Address 1* (text input)
- Mobile Number* (text input)
- Street Address 2* (text input)
- Email* (text input)
- Suburb* (text input)
- Position* (text input)
- State* (dropdown menu)
- Why do you need access? (text area)
- Post Code* (text input)
- Country* (text input)

Below the form, there is a light blue bar with the text: "You must select an Application Section before you can select a State (for ANZOD) or Centre (for ANZDATA or Living Kidney)." Below this bar, there are four radio button options for "Application Section": ANZOD, ANZDATA, Living Kidney, and Trials. A blue "Register" button is located at the bottom left of the form area.

Figure 4 - New user registration page

* denotes a mandatory field to be completed prior to submission of the request for registration.

Reset password:

Existing users who have forgotten their password and wish to reset it need to select 'Forgotten your log in details?' on the log in screen.

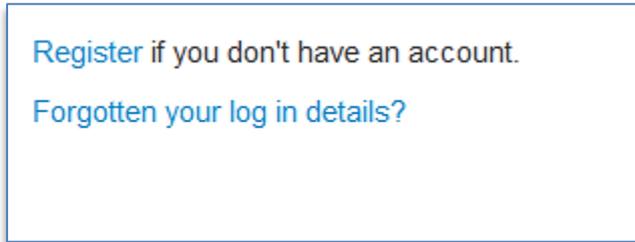


Figure 5 - Link to reset password

The user will need to enter the email associated with their account and select 'Recover details'. This will send an email, to the user, providing a secure link to reset their account password.



ANZ DATA AUSTRALIA & NEW ZEALAND DIGITAL CONNECTION REGISTRY

Reset Password

Enter your email address below to receive a link to reset your account password.

Email

Recover details

Figure 6 - Reset password screen

Page Help:

A help icon is available at all times in the top right hand corner of every screen. When users click this icon, an additional pop up screen providing assistance to the relevant page will appear.

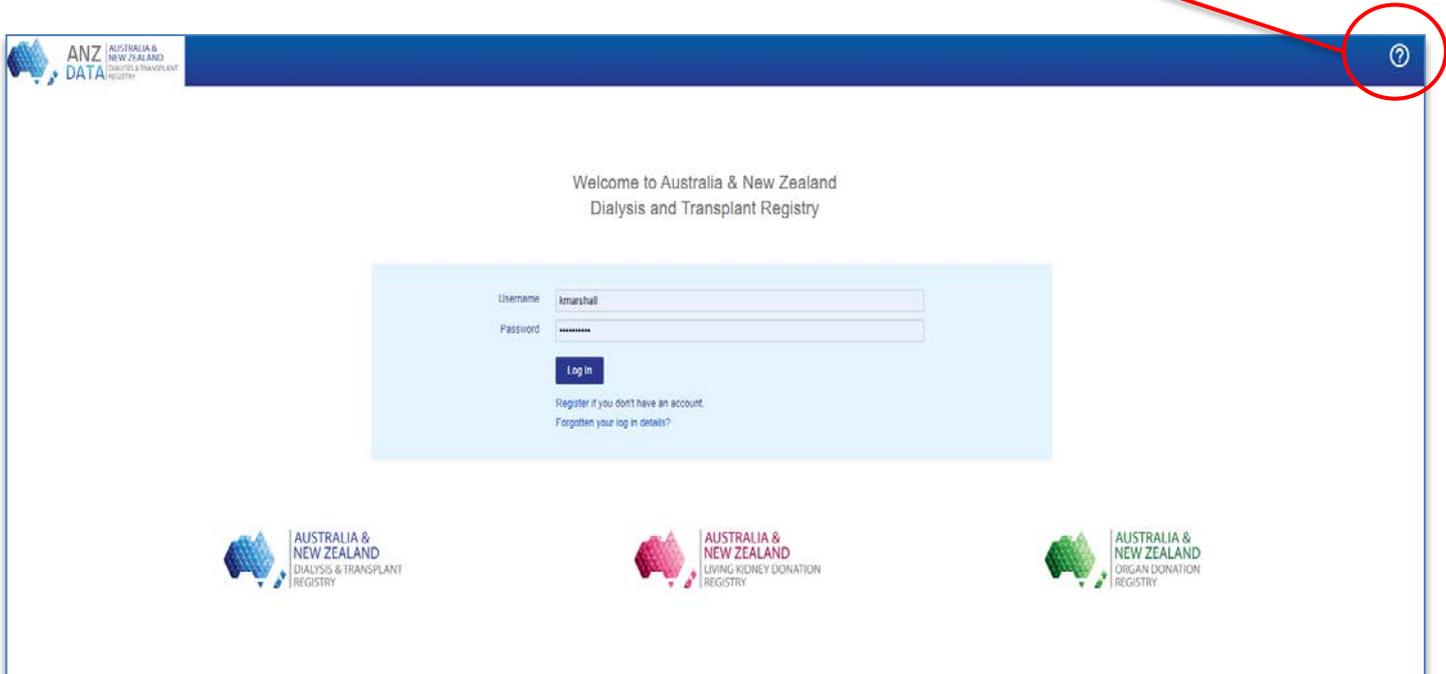


Figure 7 – Help icon

Users can then close this pop up to return to the main window.

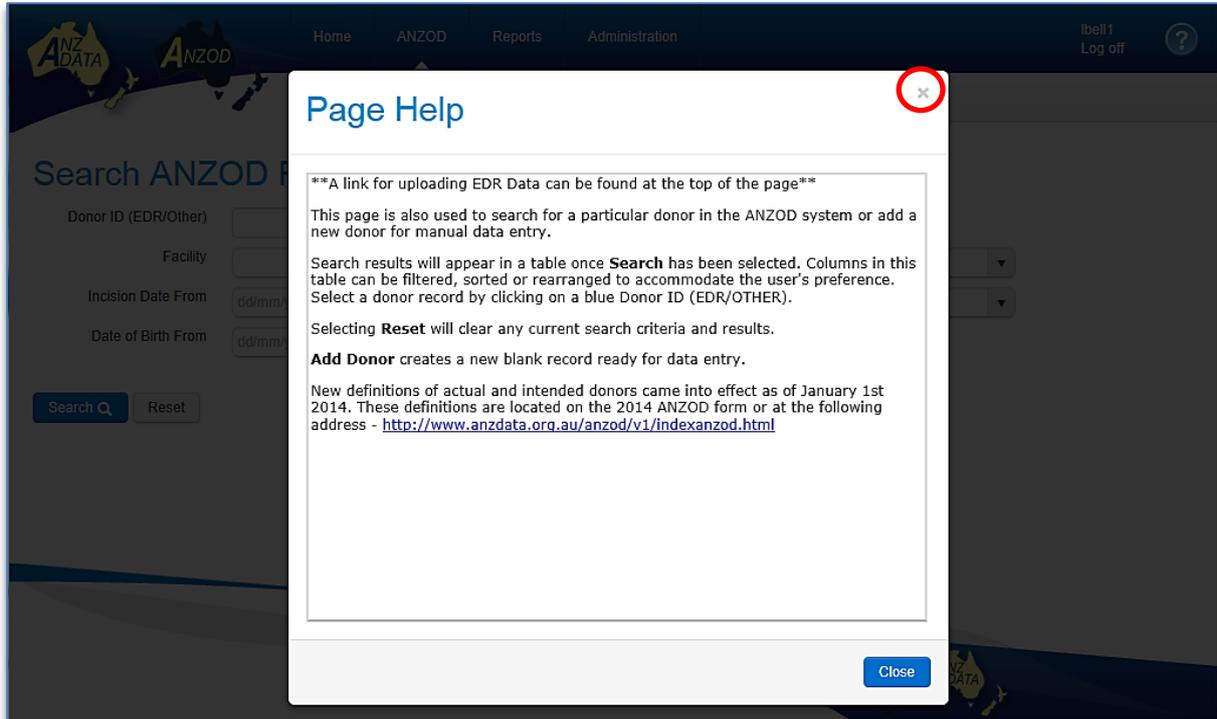


Figure 8 - Example of a pop up screen with Page Help

Navigation of ANZOD module:

Once logged in, users can use tabs located at the top of the page to move between different screens.

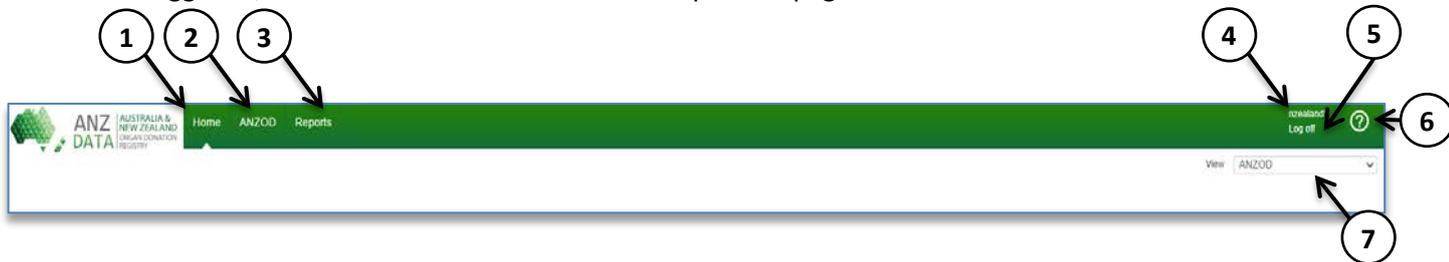


Figure 9 - Navigation pane

- **1 – ‘Home’**
Used to return the user to the ‘Home’ page, which provides a breakdown of donors for the month by state as well as a graph of the cumulative total of donors by year. Clicking on one of the Registry logos will also load the ‘Home’ page.
- **2 – ‘ANZOD’**
This redirects the user to the ‘Search ANZOD Registry’ page. Users can search using the fields provided, add a new donor or upload an XML that has been generated by the Australian Electronic Donor Record (EDR) system.
- **3 – ‘Reports’**
Users can generate PDF reports using parameters that have already been established or custom-build and save their own unique reports using the ‘Report Builder’ function.
- **4 – ‘My Details’**
Users can edit their details by selecting their username located in the top right hand corner. This is also where a user can change their password.
- **5 – ‘Log Off’**
This logs off the current user from the application and returns them to the log in page.
- **6 – ‘Page Help’**
The ‘Page Help’ icon that is located on all screens.
- **7 – ‘View’**
The drop down box allows a user to switch between the ANZDATA, ANZOD and Living Kidney modules. This does not apply for those users who only have access to ANZOD.

Home Page:

The user can navigate to the home screen by either clicking on a Registry logo (top left) or selecting the 'Home' tab.

The ANZOD home screen provides a summary where a user can view details about donors, organs and transplants for the month and compare these figures to the national total.



Donor XMLs can now be uploaded directly to the ANZOD system by EDR users.
Thank you for your patience during this time

Donors for September 2021

State	Donors	Actual Donors	Intended Donors	Organs Transplanted	Transplant Recipients	Organs for Research	Organs Not Used
Australia	15	11	4	32	29	1	1
ACT	0	0	0	0	0	0	0
NSW	3	3	0	6	6	1	1
NT	0	0	0	0	0	0	0
QLD	4	3	1	10	10	0	0
SA	2	1	1	1	1	0	0
TAS	0	0	0	0	0	0	0
VIC	6	4	2	15	12	0	0
WA	0	0	0	0	0	0	0
NZ	0	0	0	0	0	0	0

You last logged in on:
 Edit Your Details

ANZOD Summary:

- 0 donor(s) have been added to staging in the last 24 hours
- 0 donor(s) are outstanding from last month
- 0 donor(s) are outstanding in total
- 0 donor(s) exist in staging

Figure 10 - ANZOD Home page

- **1 – ‘Message Panel’**

Above the summary table is a message panel that the Registry may periodically use to convey a message to all ANZOD users, such as a reminder when all ANZOD data must be submitted for the month.

- **2 – ‘Donor Summary Table’**

This table summarises donors, organs transplanted, recipient numbers and organs that were sent for research for the current month and is broken down by donor jurisdiction.

- **3 – ‘User Details’**

Indicates the last date and time the user logged onto the system as well as the ability to edit your details (this function is discussed on page 18). If a user’s password is to expire within the next 7 days, a message will appear to remind the user how many days are left until their password expires.

• 4 – ‘ANZOD Summary’

The ‘ANZOD Summary’ describes :

- Outstanding donors from the last month – This number relates to all donor records where the status is set as ‘Current’ and the modified date or created date is from the previous month.
- Outstanding donors in total – This number represents all donor records where the status is set as ‘Current’.
- Donors created in staging in the last 24 hours – This number reflects all donor records that have been created within the last 24 hours.
- Donors in staging – Identifies the number of donor records who are still in staging and have not been submitted.

The ANZOD ‘Home’ page also provides a graph of real time data for the current year. This graph has been broken down by jurisdiction.

Clicking on a state name, located below the graph, will disable view of that jurisdiction on the graph. Click again to re-enable the state’s graphical data.

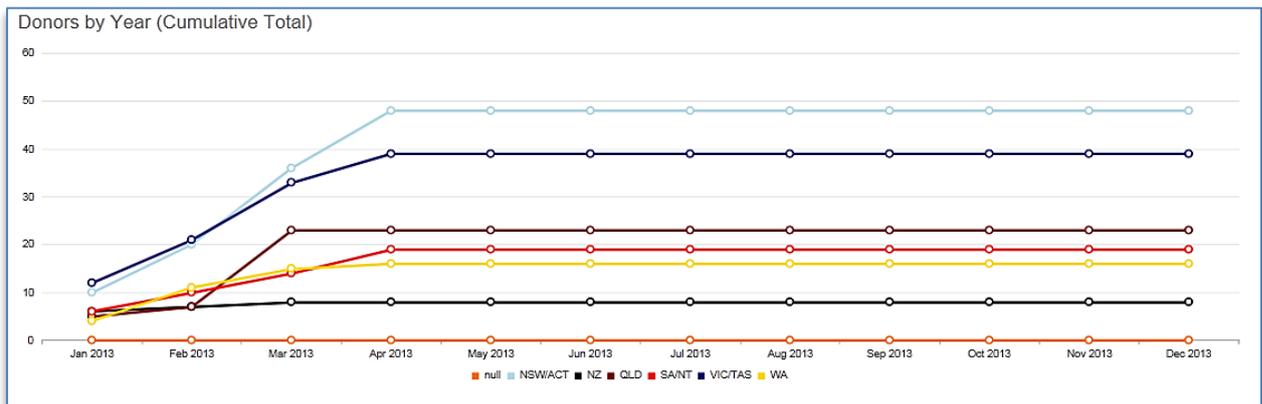


Figure 11 - ANZOD home page

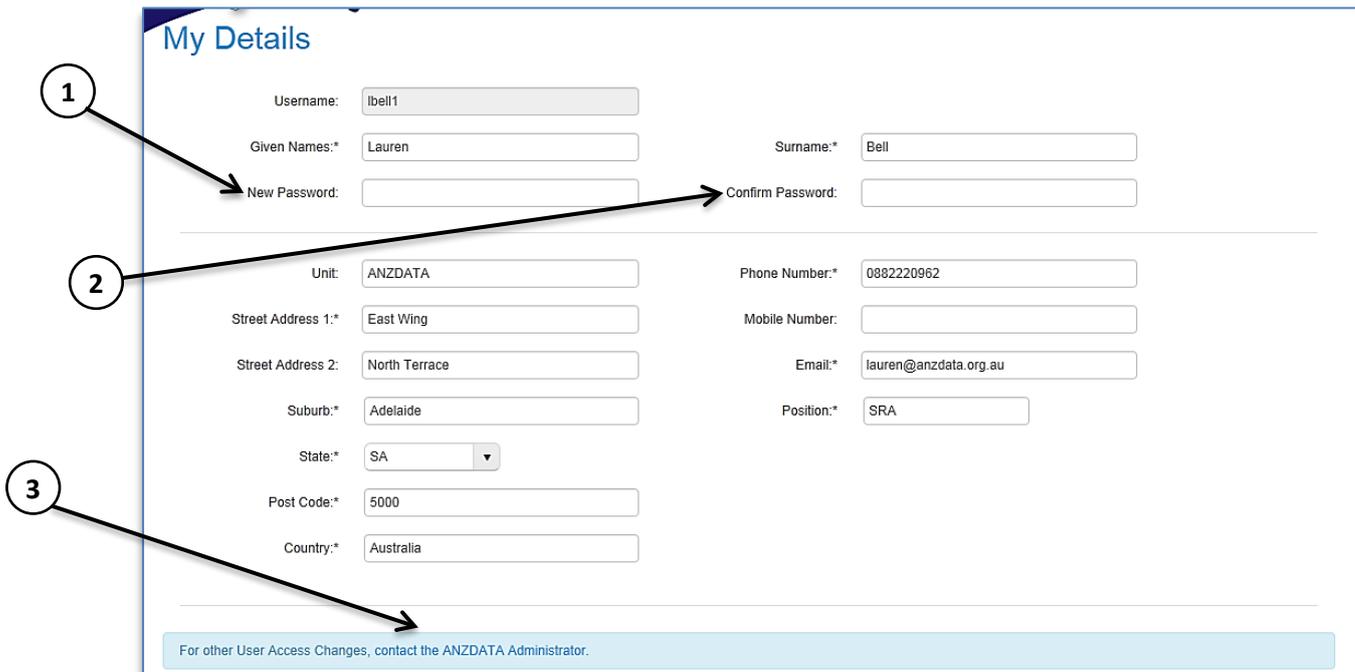
Edit Your Details:

Selecting 'Edit Your Details' from the ANZOD 'Home' page allows a user to update any of their personal information, such as address, phone number and email. A username cannot be edited. All changes need to be saved after editing.

This is also where the user can change their password. Enter the desired password into the 'New Password' field **(1)** and again into the 'Confirm Password' field **(2)**, then press save at the bottom of the screen. A green message of 'Record saved successfully' will confirm the password has been updated.

****Please note – A password must be at least 6 characters in length.****

Any queries, or changes to a user's access, must be dealt with by a Registry Administrator. An email can be created by clicking the link **(3)**.



The screenshot shows the 'My Details' page with the following fields and callouts:

- 1** points to the 'New Password' field.
- 2** points to the 'Confirm Password' field.
- 3** points to the link 'For other User Access Changes, contact the ANZDATA Administrator.' at the bottom of the form.

Other visible fields include: Username (lbell1), Given Names (Lauren), Surname (Bell), Unit (ANZDATA), Phone Number (0882220962), Street Address 1 (East Wing), Mobile Number, Street Address 2 (North Terrace), Email (lauren@anzdata.org.au), Suburb (Adelaide), Position (SRA), State (SA), Post Code (5000), and Country (Australia).

Figure 12 - Edit Your Details page

All fields below the ANZDATA Administrator link is for use by Registry staff only.

ANZOD Tab:

This screen allows users to find and display an ANZOD donor record, upload an XML file from the EDR and also add a donor record manually. When searching, users can enter multiple search criteria and filter the results returned if required. The search page can display matching records from all components of the ANZOD database.

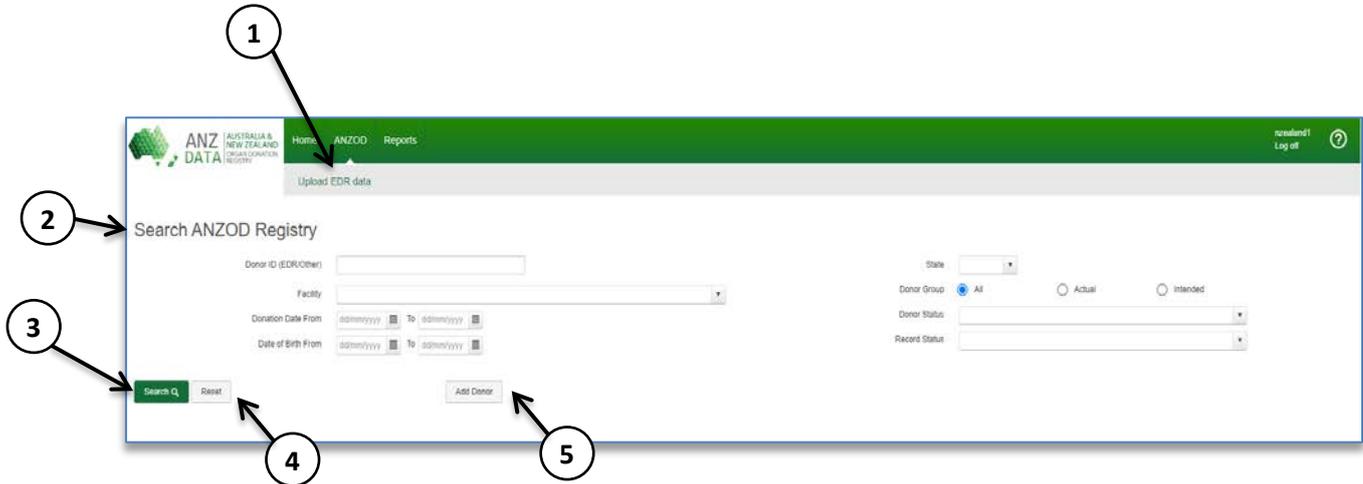


Figure 13 - Search ANZOD Registry Page

- **1 – ‘Upload EDR data’**
Used to upload an XML that has been generated by the Australian Electronic Donor Record (EDR) system (this function is discussed on page 20).
- **2 – ‘Search ANZOD Registry’**
Allows the user to search for a record, or records, using one or more of the fields provided.
- **3 – ‘Search’**
Executes the search.
- **4 – ‘Reset’**
Selecting ‘Reset’ will clear all search results and fields.
- **5 – ‘Add Donor’**
Selecting ‘Add Donor’ will create a new record in the staging environment for data entry.

Electronic Donor Record (EDR) XML Upload:

XMLs are generated via the EDR system through the Summary/ANZOD tab. Under no circumstance should the generated XML be edited.

****Please note – Only un-edited XML files generated by the Electronic Donor Record system will result in a successful transfer.****

Users can access the 'Upload EDR XML Data File' screen by selecting the 'ANZOD' tab and then the 'Upload EDR data' (1) option. Only one XML can be uploaded at a time.

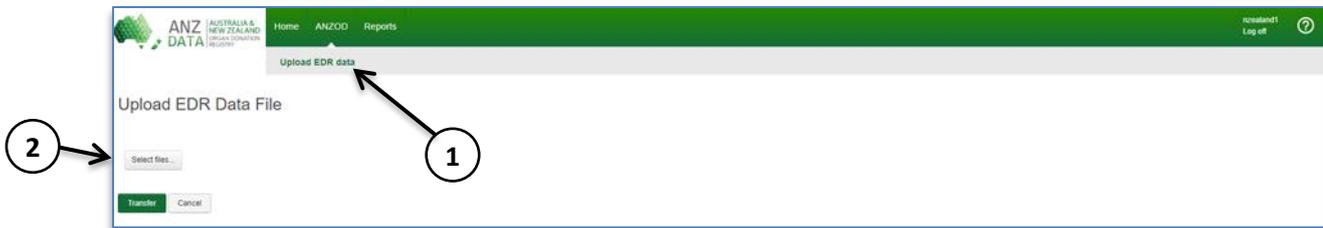


Figure 14 - EDR XML Upload

Once accessed, users click 'Select files...' (2) to select an XML file to upload to the system. This is done in a similar fashion to attaching a file to an email.

Once selected, file names will appear. Confirm that the correct file has been selected and click 'Transfer' (3). Selecting 'Cancel' (4) will cancel uploading the XML file to the ANZOD application.

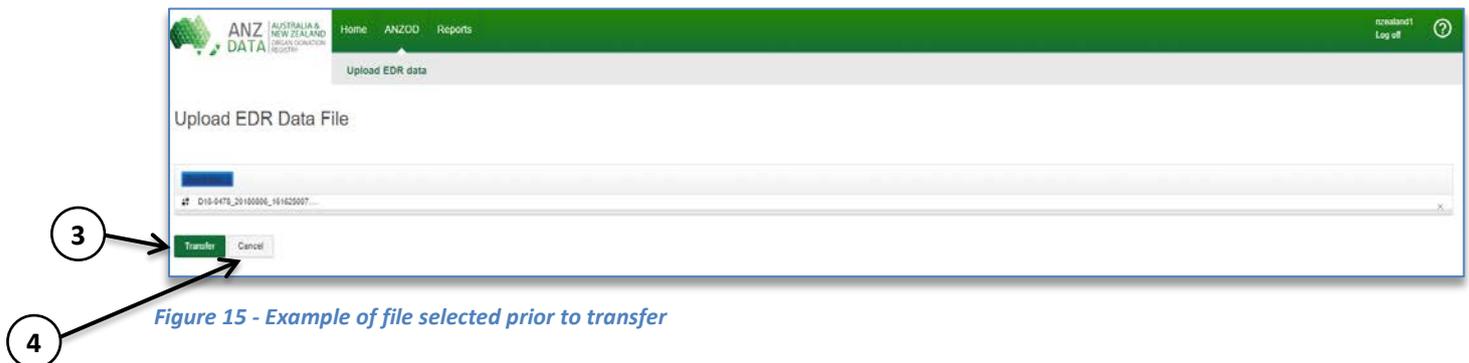


Figure 15 - Example of file selected prior to transfer

If the file transferred successfully a green pop up will appear. Users can then select a new file to transfer if required, or locate their transferred donor record in the 'Search ANZOD Registry' screen.

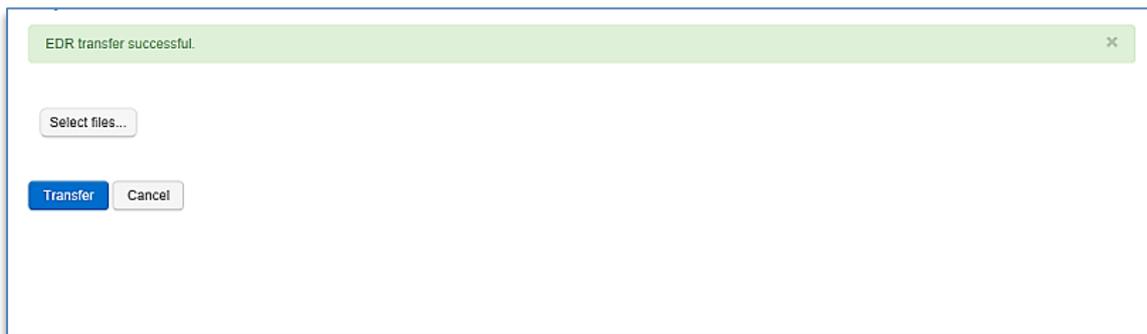


Figure 16 - Confirmation of successful XML transfer

If the file transfer was unsuccessful a red error message will appear. If this occurs, please re-generate the XML from the EDR and attempt to transfer again. If still unable to successfully transfer an un-edited XML, please refer the XML in question to anzod@anzdata.org.au where Registry Staff will be able to assist you.

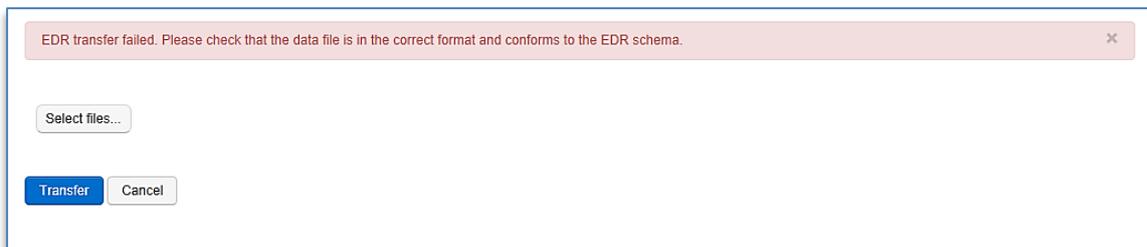


Figure 17 - Unsuccessful XML transfer

ANZOD User Acceptance Testing (UAT) site:

Users can request access to the UAT site registering from here:

<https://uat.anzdata.org.au/Core/Account/Register>

Testing prior to accessing production system is highly encouraged. EDR data uploads must be tested in UAT prior to production uploads.

Search ANZOD Registry:

This screen allows users to find and display an ANZOD donor record. Users can enter multiple search criteria and filter the results returned. The search page can display matching records from all components of the ANZOD database.

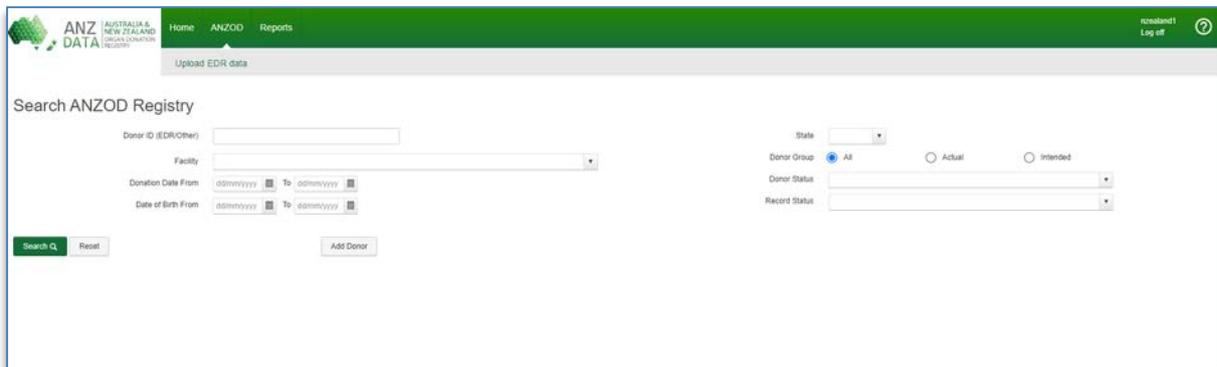


Figure 18 - Search ANZOD Registry page

Fields that can be used for searching include:

Search ANZOD Registry		
Field Name	Format	Definition
Donor ID (EDR/Other)	Alphanumeric - ANNNNN - ANN-NNNN e.g. S02014, D13-0302	Searches using the already assigned unique identification number to the donor. This ID is either generated by the EDR or is an alphanumeric code consisting of a letter, representing the state of donation, and then a unique 5 digit code e.g. New South Wales donor identification numbers would be N02424, Victoria V01782 etc.
State	Text e.g. NT	Searches for donors from a particular geographical state.

Search ANZOD Registry		
Field Name	Format	Definition
Facility	Code-Text e.g. ALBA - Albany Hospital (WA)	Searches using the hospital of the donor. A list of facility codes and names for this field can be found in the 'ANZOD Facility Codes' document (Appendix 2).
Donor Status	Code-Text e.g. A – Actual	Searches for either intended or actual solid organ donors. Please note – an intended solid organ donor can still donate one or more types of tissue. New definitions of actual and intended donors came into effect as of January 1 st 2014. These new definitions can be found on page 31.
Incision Date From	Date - dd/mm/yyyy e.g. 01/01/2014	Searches the ANZOD database using the incision date. If the exact date is unknown, a search can be conducted using a date range. If the date is known, please enter the same date into both search fields. The drop down calendar can be used for convenience.
Record Status	Text e.g. Date Entry in Progress	Searches using the current status of the record. Useful for searching for records that are still undergoing data entry or have been finalised and submitted to ANZOD.
Date of Birth From	Date - dd/mm/yyyy e.g. 01/01/2014	Searches the application using the donor's date of birth. If the exact date of birth is unknown, a search can be conducted using a date range. If the date is known, please enter the same date into both search fields. The drop down calendar can be used for convenience.

NOTE - When a search returns no results then a message will be displayed to the user, below :

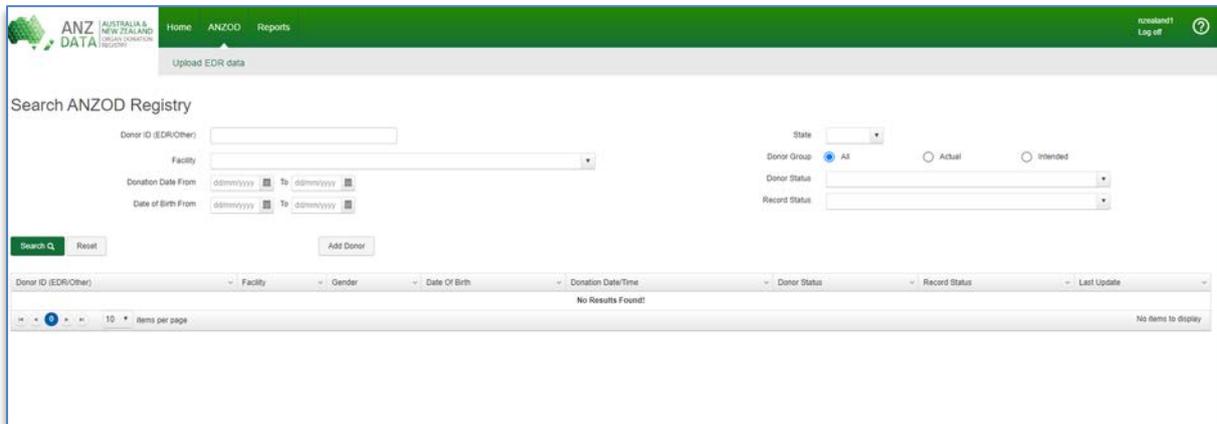


Figure 19 - Message received when there are no results found

Users are able to filter and sort their search results as well as hide particular columns, by selecting the arrow next to each column name.

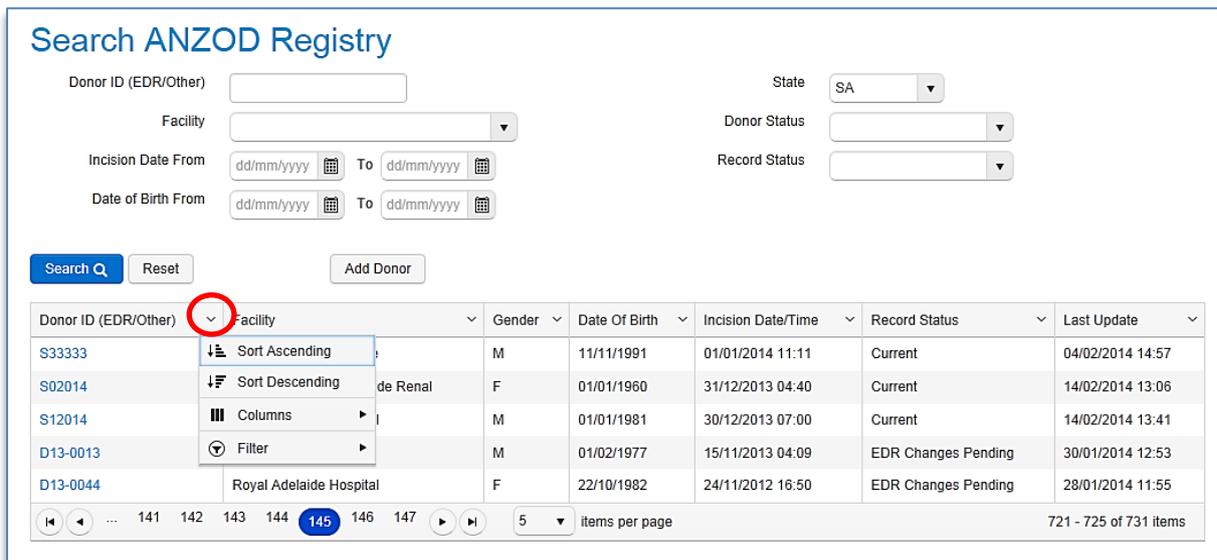


Figure 20 - Filter, sort or hide dropdown available for each column

Dragging and dropping the column heading will also enable the user to re-arrange the order of columns to their specification if require.

Search ANZOD Registry

Donor ID (EDR/Other)

Facility

Incision Date From To

Date of Birth From To

State

Donor Status

Record Status

Donor ID (EDR/Other) ▾	Facility ▾	Gender ▾	Date Of Birth ▾	Incision Date/Time ▾	Record Status ▾	Last Update ▾
S33333	Flinders Medical Centre	M	11/11/1991	01/01/2014 11:11	Current	04/02/2014 14:57
S02014	Central Northern Adelaide Renal	F	01/01/1960	31/12/2013 04:40	Current	14/02/2014 13:06
S12014	Royal Adelaide Hospital	M	01/01/1981	30/12/2013 07:00	Current	14/02/2014 13:41
D13-0013	Modbury Hospital	M	01/02/1977	15/11/2013 04:09	EDR Changes Pending	30/01/2014 12:53
D13-0044	Royal Adelaide Hospital	F	22/10/1982	24/11/2012 16:50	EDR Changes Pending	28/01/2014 11:55

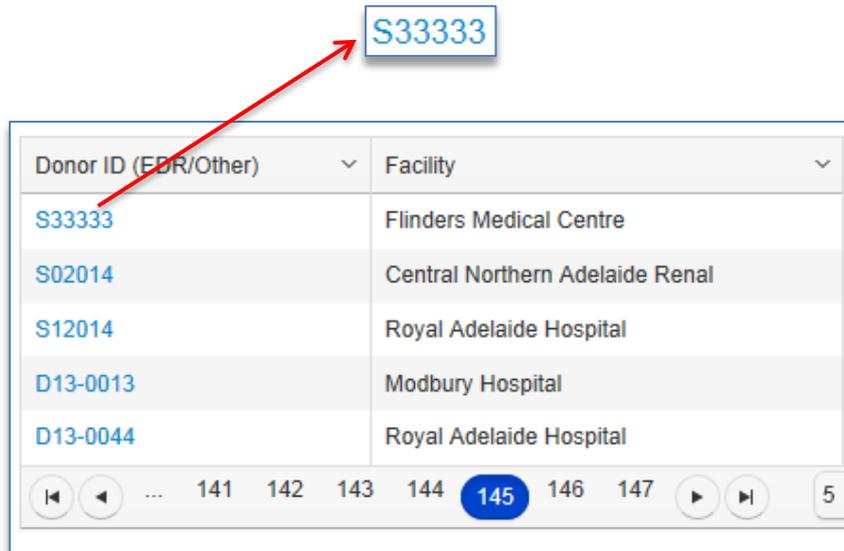
... 141 142 143 144 **145** 146 147

items per page

721 - 725 of 731 items

Figure 21 - Drag and drop column headings to re-arrange the order displayed

Select the record you are looking for by clicking on the 'DonorID (EDR/Other)' link in blue. This will open the donor record and data for the corresponding donor.



Donor ID (EDR/Other) ▾	Facility ▾
S33333	Flinders Medical Centre
S02014	Central Northern Adelaide Renal
S12014	Royal Adelaide Hospital
D13-0013	Modbury Hospital
D13-0044	Royal Adelaide Hospital

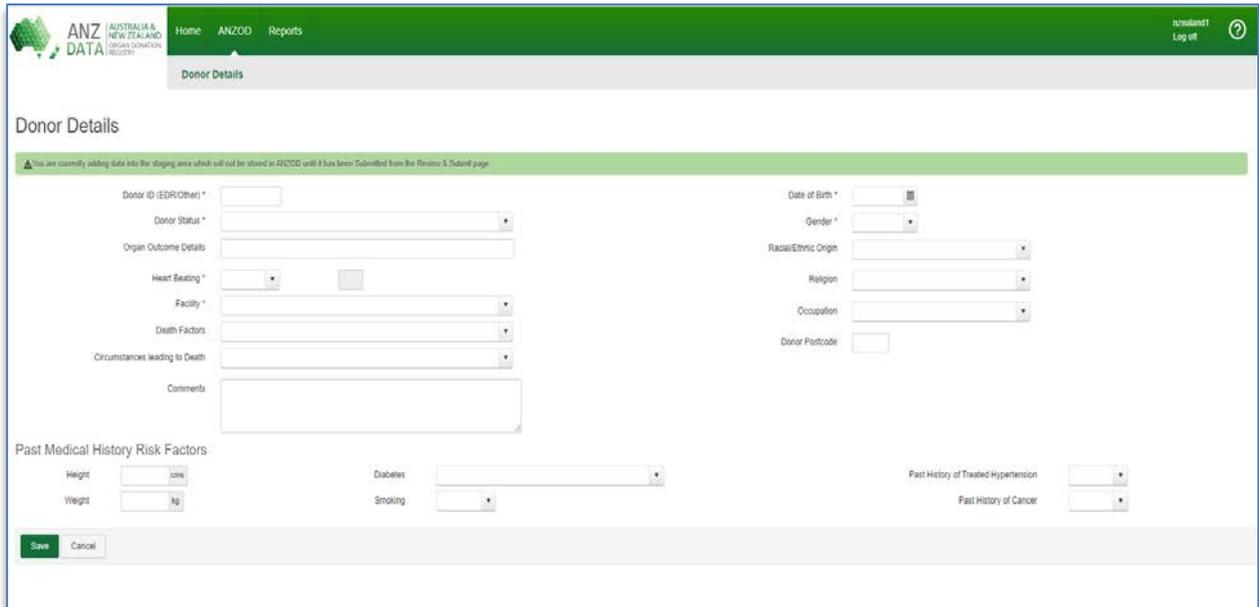
◀ ◁ ... 141 142 143 144 **145** 146 147 ▶ ▷ 5

Figure 22 - Select a donor record

Add Donor

Donor Details:

This screen is where a user enters a new donor's details and medical history.



The screenshot shows the 'Donor Details' form in the ANZOD system. The form is divided into several sections:

- Donor ID (EDR/Other)***: A text input field.
- Donor Status***: A dropdown menu.
- Organ Outcome Details**: A text input field.
- Heart Beating***: A dropdown menu.
- Facility***: A dropdown menu.
- Death Factors**: A dropdown menu.
- Circumstances leading to Death**: A dropdown menu.
- Comments**: A large text area.
- Date of Birth***: A date picker.
- Gender***: A dropdown menu.
- Racial/Ethnic Origin**: A dropdown menu.
- Region**: A dropdown menu.
- Occupation**: A dropdown menu.
- Donor Postcode**: A text input field.

Past Medical History Risk Factors

- Height**: A text input field with a unit dropdown (cm).
- Weight**: A text input field with a unit dropdown (kg).
- Diabetes**: A dropdown menu.
- Smoking**: A dropdown menu.
- Past History of Treated Hypertension**: A dropdown menu.
- Past History of Cancer**: A dropdown menu.

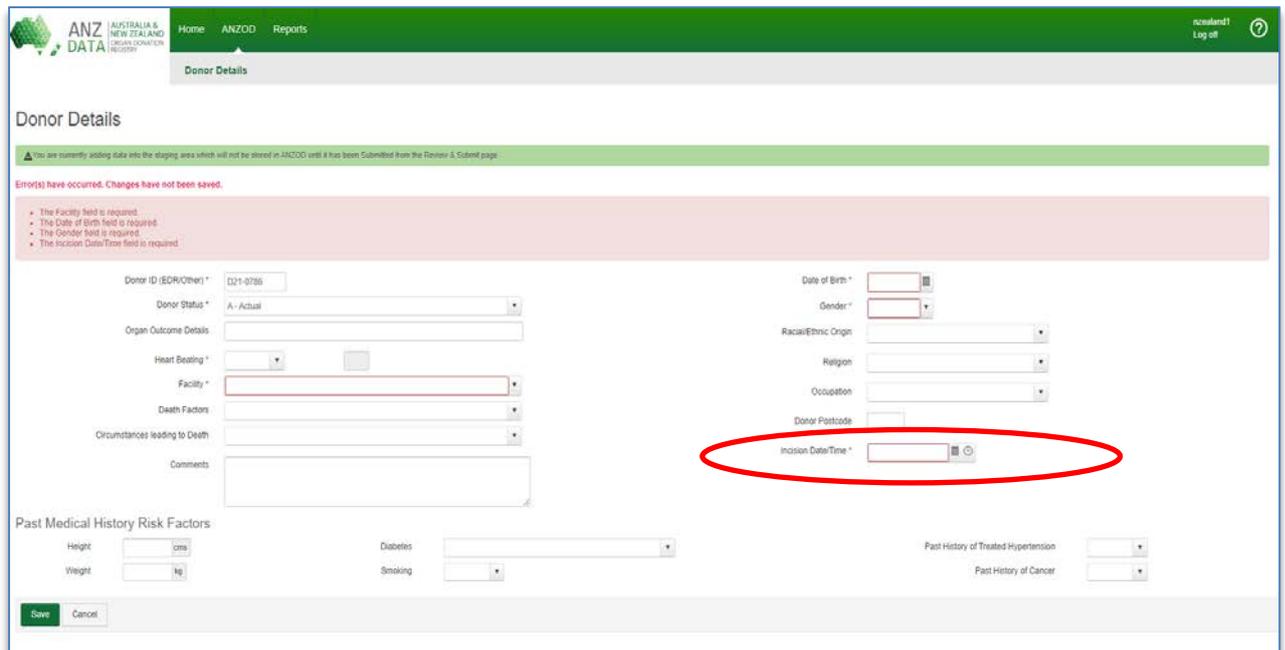
At the bottom left, there are **Save** and **Cancel** buttons. The top navigation bar includes 'Home', 'ANZOD', and 'Reports' menus, along with a user profile 'nzwalms1' and a 'Log off' button.

Figure 23 - Donor Details screen

* denotes a mandatory field. All mandatory fields are required to initially save the record. If required, this will then allow the record to be reopened to continue data entry at a later stage.

****Please note – An additional ‘Key Event Date/Time’ field will appear below ‘Donor Postcode’. This field will be dependent on ‘Donor Status’ and ‘Heart Beating’ fields and is mandatory.****

If all mandatory fields are not completed, an error message will appear and every compulsory field missing data will be highlighted in a red outline, including the additional ‘Key Event Date/Time’ field such as the ‘Incision Date/Time’ below.



The screenshot shows the 'Donor Details' form in the ANZOD system. At the top, there is a navigation bar with 'Home', 'ANZOD', and 'Reports' links. Below the navigation bar, the page title is 'Donor Details'. A green banner indicates that the user is currently adding data into a staging area. A red error message box states: 'Error(s) have occurred. Changes have not been saved.' The error messages are:

- The Facility field is required.
- The Date of Birth field is required.
- The Gender field is required.
- The Incision Date/Time field is required.

 The form contains several input fields: Donor ID (EDR/Other) with value 'D21-0736', Donor Status set to 'A - Actual', Date of Birth, Gender, Facility (highlighted in red), Death Factors, Circumstances leading to Death, Comments, Incision Date/Time (highlighted in red), Height, Weight, Diabetes, Smoking, Past History of Treated Hypertension, and Past History of Cancer. At the bottom, there are 'Save' and 'Cancel' buttons.

Figure 24 - Error message for incomplete mandatory fields with addition of ‘Incision Date/Time’ as a Key Event field

A successful message will appear once the record has been saved successfully. Once saved, additional options will become available for data entry. These include 'Authority to Donate', 'Donation Event', 'Organs Retrieved', 'Destination' and 'Review & Submit'. Clicking on each heading will navigate to the corresponding page.

Donor Details

▲ You are currently viewing data in a staging area which will not be stored in ANZOD until it has been Submitted from the Review & Submit page.

Record saved successfully.

<p>Donor ID (EDR/Other) * <input type="text" value="S707070"/></p> <p>Donor Status * <input type="text" value="A - Actual"/></p> <p>Heart Beating * <input type="text" value="Y - Yes"/> <input type="text" value="DBD"/></p> <p>Facility * <input type="text" value="RADL - Royal Adelaide Hospital (SA)"/></p> <p>Death Factors <input type="text" value="1 - Intracranial Haemorrhage"/></p> <p>Circumstances leading to Death <input type="text" value="32 - Spontaneous Intracranial Haemorrhage"/></p> <p>Comments <input style="width: 100%; height: 30px;" type="text"/></p>	<p>Date of Birth * <input type="text" value="17/01/1955"/></p> <p>Gender * <input type="text" value="M - Male"/></p> <p>Racial/Ethnic Origin <input type="text" value="1101 - Oceanian - Australian"/></p> <p>Religion <input type="text" value="201 - Christianity Anglican"/></p> <p>Occupation <input type="text" value="4 - In Labour Force - Community And Personal Ser"/></p> <p>Donor Postcode <input type="text" value="5000"/></p>
--	---

Past Medical History Risk Factors

Height <input type="text" value="181"/> <input type="text" value="cms"/>	Diabetes <input type="text" value="N - No Diabetes"/>	Past History of Treated Hypertension <input type="text" value="Y - Yes"/>
Weight <input type="text" value="80"/> <input type="text" value="kg"/>	Smoking <input type="text" value="F - Former"/>	Past History of Cancer <input type="text" value="N - No"/>

Figure 25 - Successful save

Fields for data entry include:

Donor Details		
Field Name	Format	Definition
Donor ID (EDR/Other)	Alphanumeric - ANNNNN - ANN-NNNN e.g. Z02014, D13-0302	Assigns a unique identification number to the donor. This is either generated by the EDR or is an alphanumeric code consisting of a letter, representing the state of donation, and then a unique 5 digit code.
Date of Birth	Date - dd/mm/yyyy e.g. 01/01/2014	Donor's date of birth. Date of Birth must be today's date or earlier, but cannot be before 01/01/1900. The drop down calendar can be used for convenience. While selected, right clicking on the month and year text located between the two arrows, this will change the calendar view to a monthly view, then a year view, then a decade view. 'Date of Birth' must be earlier than the date of data entry or XML upload.

Donor Details		
Field Name	Format	Definition
<p>Donor Status</p> <p>(Field introduced Jan 2008; definitions updated Jan 2014)</p>	<p>Code-Text</p> <p>e.g. A – Actual</p>	<p>Indicates whether the donor was an intended or actual solid organ donor.</p> <p>Please note –intended solid organ donors can still donate one or more types of tissue.</p> <p>New definitions of actual and intended donors come into effect as of January 1st 2014.</p> <p>Actual Organ Donor -</p> <p>An organ donor is 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.</p> <p>Intended Organ Donor -</p> <p>An intended organ donor is a person for whom the donation work was initiated as evidenced by both:</p> <ol style="list-style-type: none"> 1) Formal written consent undertaken, including consent for donation of specific organ+/-tissues, and 2) Blood for tissue typing sent with allocation of a donor number; but donation did not proceed.
<p>Gender</p>	<p>Code-Text</p> <p>e.g. M – Male</p>	<p>Identification of the donor’s sex.</p>
<p>Heart Beating</p>	<p>Code-Text</p> <p>e.g. N – No</p>	<p>Identifies if the donor’s heart was beating.</p> <p>If ‘Yes’ this would indicate a Donation after Brain Death (DBD) pathway for organ retrieval;</p> <p>if ‘No’ a Donation after Circulatory Death (DCD) pathway for organ retrieval.</p> <p>Certain key event dates on the ‘Donation Event’ page will be disabled depending on what is selected for the ‘Donor Status’.</p>
<p>Racial/Ethnic Origin</p> <p>(Values updated Jan 2014)</p>	<p>Code-Text</p> <p>e.g. 1101 – Oceanian - Australian.</p>	<p>Ethnic origin of the donor. When the ‘Racial/Ethnic Origin’ field has a value with ‘(Specify)’ selected, then an additional reason must be entered in the free text box.</p> <p>A list of valid options for this field can be found in the ‘ANZOD Code Tables’ document (Appendix 1).</p>

Donor Details		
Field Name	Format	Definition
Facility	Code-Text e.g. ALBA - Albany Hospital (WA)	Identifies the current hospital of the donor. A list of facility codes and names for this field can be found in the 'ANZOD Facility Codes' document (Appendix 2).
Religion (Values updated Jan 2014)	Code-Text e.g. 201 - Christianity Anglican	Indicates the religious beliefs of the donor. When the 'Religion' field has a value with '(Specify)' selected, then an additional description must be entered in the free text box. A list of valid options for this field can be found in the 'ANZOD Code Tables' document (Appendix 1).
Death Factors (Field introduced Jan 2014)	Code-Text e.g. 3 - Cerebral Infarct	Cause of donor death. A list of valid options for this field can be found in the 'ANZOD Code Tables' document (Appendix 1).
Occupation (Values updated Jan 2014)	Code-Text e.g. 1 - In Labour Force - Managers	The occupation of the donor at time of death. When the 'Occupation' field has a value with '(Specify)' selected, then an additional reason must be entered in the free text box. A list of valid options for this field can be found in the 'ANZOD Code Tables' document (Appendix 1).
Circumstances leading to Death	Code-Text e.g. 11 - MVA	Reason pertaining to donor death. When the 'Circumstances leading to Death' field has a value with '(Specify)' selected, then an additional reason must be entered in the free text box. A list of valid options for this field can be found in the 'ANZOD Code Tables' document (Appendix 1).
Donor Postcode (Field introduced Jan 2008)	Numeric - 4 digit number e.g. 5010	Donor's residential postcode at time of death. New Zealand donors do not require a postcode to be entered.
Comments (Field introduced Jan 2008)	Text	Free text box to record any additional donor details or stipulate why some information may be outstanding.

Past Medical History Risk Factors:

This section details important medical history of the donor.

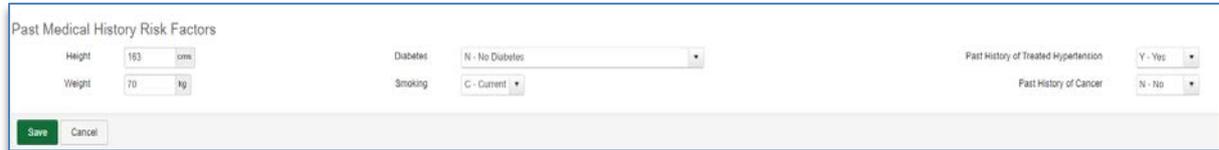


Figure 26 - Past medical history risk factors

Fields for data entry include:

Past Medical History Risk Factors		
Field Name	Format	Definition
Height	Numeric e.g. 72	Donor height recorded in centimetres and must be a whole number greater or equal to 30cms and less than or equal to 250cm. Field is not mandatory, however if left blank a comment must be made in the 'Comments' section addressing the blank field.
Weight	Numeric e.g. 87	Donor weight recorded in kilograms and must be a whole number greater or equal to 1kg and less than or equal to 300kg. Field is not mandatory, however if left blank a comment must be made in the 'Comments' section addressing the blank field.
Diabetes	Code-Text e.g. P - Type I (Insulin Dependent)	Diabetic status of the donor. A list of valid options for this field can be found in the 'ANZOD Code Tables' document (Appendix 1).
Smoking	Code-Text e.g. Y - Yes	Smoking history of the donor. A list of valid options for this field can be found in the 'ANZOD Code Tables' document (Appendix 1).

Past Medical History Risk Factors		
Field Name	Format	Definition
<p>Past History of Treated Hypertension</p>	<p>Code-Text e.g. Y - Yes</p>	<p>Indicates if the donor had high blood pressure that has been medically diagnosed and treated.</p> <p>A list of valid options for this field can be found in the 'ANZOD Code Tables' document (Appendix 1).</p>
<p>Past History of Cancer</p> <p>(field introduced Jan 2002)</p>	<p>Code-Text e.g. Y - Yes</p>	<p>Identifies if the donor had previously been diagnosed with cancer.</p> <p><u>Do not enter Skin Cancers (SCC, BCC, solar keratosis, hyperkeratosis, Bowen's disease and ketatoacanthoma).</u></p> <p>If available, please <u>submit histology</u> via the Registry's secure site. Remove the donor name from the results and replace with donor date of birth and Donor ID for identification.</p>

Past History of Cancer in Donor:

This section contains data entry for details of any cancer the donor had. An additional section for data entry will only appear if 'Y-Yes' is chosen in the Past History of Cancer field.

****Please note – Do not enter Skin Cancers (SCC, BCC, solar keratosis, hyperkeratosis, Bowen’s disease and ketatoacanthoma).****

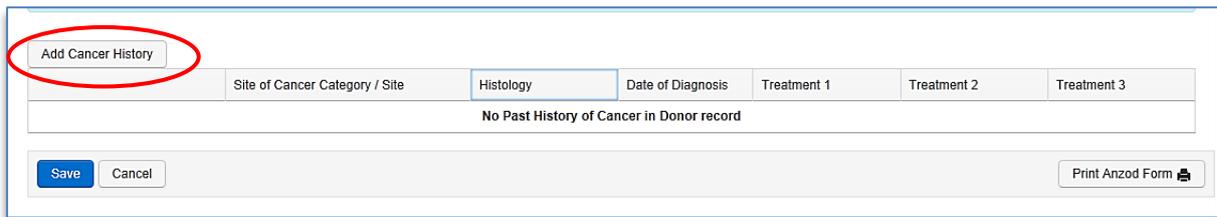


Figure 27 - Past history in cancer of donor section

Select 'Add Cancer History' button to access the 'Add Past History of Cancer Details' screen.

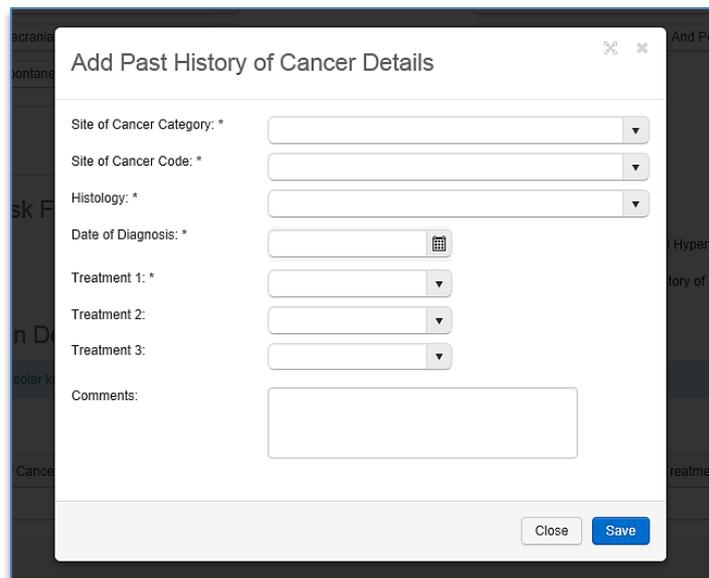


Figure 28 - Cancer details screen

Complete the mandatory fields and select 'Save'. Fields to be completed include:

Add Past History of Cancer Details		
Field Name	Format	Definition
Site of Cancer Category	Code-Text e.g. 152 - Small Intestine	Location of the donor's cancer. Only applicable when using the online application, please select from the drop down box provided.
Site of Cancer Code	Code-Text e.g. 300 - Small Bowel	More specific information on the donor's cancer location. When completing the 2014 ANZOD form, please provide a description of cancer site in the area provided. When using the online application, please select from the drop down box provided.
Histology	Code-Text e.g. 13 - Melanoma	Stipulates the type of cancer diagnosed. A list of valid options for this field can be found in the 'ANZOD Code Tables' document (Appendix 1).
Date of Diagnosis	Date - dd/mm/yyyy e.g. 01/01/2014	Date of initial cancer diagnosis. If unknown day and month please default to – 15/06/yyyy (yyyy denotes the year diagnosed).
Treatment 1 / 2 / 3	Code-Text e.g. 10 - Chemotherapy	Identifies the method(s) undergone for treatment of cancer. Please record one method per treatment section. A list of valid options for this field can be found in the 'ANZOD Code Tables' document (Appendix 1).
Comments (field introduced Jan 2002)	Text	Free text box to record any additional notes on donor's medical history or stipulate why some information may be outstanding.

If available, please submit histology via the Registry's secure site. Remove the donor name from the results and replace with donor date of birth and Donor ID for identification.

Once saved, a summary will appear in the table on the 'Donor Details' screen. Selecting 'Edit' will re-open the 'Add Past History of Cancer Details' screen to allow any changes. Selecting 'Delete' will remove the cancer record from the table.

Past Medical History Risk Factors

Height: 181 cms
 Weight: 80 kg
 Diabetes: N - No Diabetes
 Smoking: F - Former
 Past History of Treated Hypertension: Y - Yes
 Past History of Cancer: Y - Yes

Past History of Cancer in Donor

Do not enter Skin Cancers (SCC, BCC, solar keratosis, hyperkeratosis, Bowen's disease and keratoacanthoma)

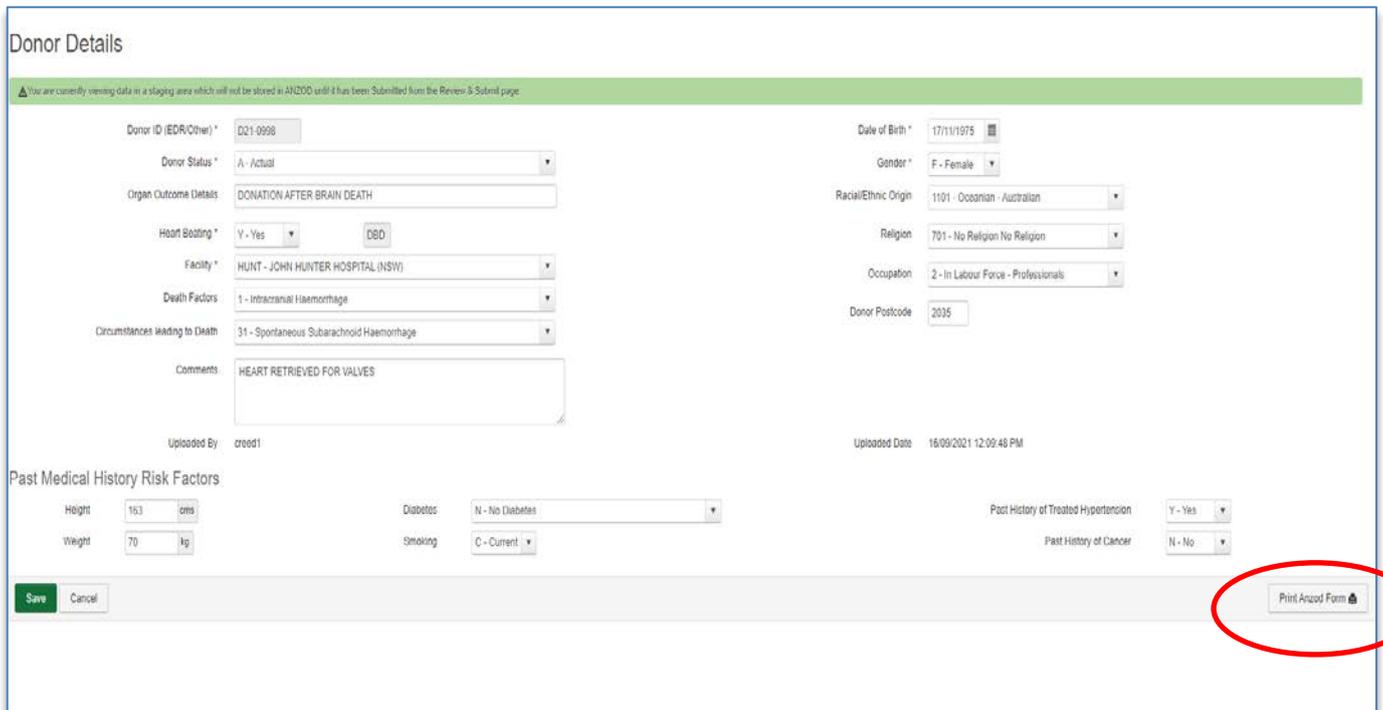
Add Cancer History

	Site of Cancer Category / Site	Histology	Date of Diagnosis	Treatment 1	Treatment 2	Treatment 3
<input type="button" value="Edit"/> <input type="button" value="× Delete"/>	Pancreas Body Of Pancreas	Melanoma	01/02/2007	Chemotherapy	Radiotherapy	

Figure 29 - Summary of cancer details

Print ANZOD Form:

Selecting the 'Print Anzod Form' at the bottom right hand corner of the 'Donor Details' screen, will pre-fill a standard A3 2014 ANZOD Form (new format) with the currently selected record. Doing so will generate a "pop-up" allowing the user to open or save the PDF of the filled ANZOD form.



The screenshot shows the 'Donor Details' form with the following data:

Donor ID (EDR/Other) *	D21-0998	Date of Birth *	17/11/1975
Donor Status *	A - Actual	Gender *	F - Female
Organ Outcome Details	DONATION AFTER BRAIN DEATH	Racial/Ethnic Origin	1101 - Oceanian - Australian
Heart Beating *	Y - Yes (DBD)	Religion	701 - No Religion No Religion
Facility *	HUNT - JOHN HUNTER HOSPITAL (NSW)	Occupation	2 - In Labour Force - Professionals
Death Factors	1 - Intracranial Haemorrhage	Donor Postcode	2035
Circumstances leading to Death	31 - Spontaneous Subarachnoid Haemorrhage		
Comments	HEART RETRIEVED FOR VALVES		
Uploaded By	cred1	Uploaded Date	16/09/2021 12:09:48 PM

Past Medical History Risk Factors:

Height	163 cms	Diabetic	N - No Diabetes	Past History of Treated Hypertension	Y - Yes
Weight	70 kg	Smoking	C - Current	Past History of Cancer	N - No

Buttons: Save, Cancel, **Print Anzod Form** (circled in red)

Figure 30 - Generating a PDF of a pre-filled ANZOD form

AUSTRALIA AND NEW ZEALAND ORGAN DONATION REGISTRY

Version 1.0 2014014

DONOR DETAILS

DONOR ID (EDR/OTHER): S707070 GENDER: M HEIGHT (cms): 181 WEIGHT (kg): 80

DONOR STATUS: A (Actual) / B (Intended)

HOSPITAL AND STATE: RADLS

DATE OF BIRTH: 17/01/58

POSTCODE OF DONOR: 5000

HEART BEATING Y/N: Y

PAST MEDICAL HISTORY RISK FACTORS

DIABETES: N (No Diabetes) / Y (Type 1/2/Insulin Dependent)

PAST HISTORY OF TREATED HYPERTENSION: Y

SMOKING: F (Former) / N (Never) / U (Unknown)

PAST HISTORY OF CANCER: N

PAST HISTORY OF CANCER IN DONOR

Note: If more than 2 records, please use a separate cancer history form.

Site of Cancer	Leave Blank	Histology	Date of Diagnosis	Treatment Types	Comments
				# Type Other	
				1	
				2	
				3	
				1	
				2	
				3	

BLOOD GROUP / HLA TYPING

Group: O 1 23 13 37 52 53

HEPATITIS AND OTHER VIROLOGY

Anti-HBcAb: 2 (1-Factive, 2-Negative, 3-Hist Done, 4-Unknown, 5-Nonresponse, 6-Pending)

Anti-HCV: 2

Anti-HIV 1/2: 2

Anti-HIV 1/2: 2

NAT HIV: 2

EBV IgM: 1

EBV IgG: 2

EBNA: 3

CMV IgM: 2

CMV IgG: 2

Agg-HTLV III: 2

WNV: 3

Syphilis: 2

Toxo Ab IgG: 2

Toxo Ab IgM: 2

Chagas: 3

Other: _____

HEART BEATING (ICD)

Day	Mth	Year	Time (24hr)
28	02	2014	19:32
28	02	2014	19:27
01	03	2014	15:01
01	03	2014	14:36
01	03	2014	20:12
01	03	2014	20:43

AUTHORITY TO DONATE

Enrolled with Organ Donor Registry: RY (Registered as Yes) / RW (Registered as No) / N (Not Registered) / NA (Not Assessed)

Donor Specialist Contact with Donor Family: F

Driver's Licence: Y (Yes) / N (No) / U (Unknown)

Sought By (Refer Codes): 1 (Other)

TERMINAL TREATMENT

Mean Arterial Blood Pressure (MAP) < 50mm Hg: N

Antibiotics: Y (Yes) / N (No)

Chlorpromazine: N

Frustrated: N

Heparin: N

Mantazol: N

Methylprednisolone: Y

Nitroglycerin: N

Other: _____

KIDNEY DONOR

Y (Yes) / N (No)

Admission	Terminal	Procurement Biopsy Performed	Oliguria in last 12 hours < 20 ml/hr	Y/N
63	50	N	10.00	N
10.30	10.00			
Urine Output (ml/hr):	100			

LIVER DONOR

Y (Yes) / N (No)

Alanine Transaminase (ALT)	Aspartate Transaminase (AST)	Gamma Glutamyl (GGT)	Alkaline Phosphatase (ALP)	Total Bilirubin
80	35	303	227	5

PANCREAS DONOR

Y (Yes) / N (No)

Maximum Blood Sugar Level > 8 mmol/L: Y

Normal Amylase or Lipase < 80 U/L: N

HEART DONOR

Y (Yes) / N (No)

Normal ECG: Y

If Echocardiogram Was Done: _____

Normal Echocardiogram: Y (Yes) / N (No)

LUNG DONOR

Y (Yes) / N (No)

Bronchoscopy: Y

pH	PaO ₂	PaCO ₂	PEEP (cm)	FIO ₂ (% oxygen concn*)
7.27	238	39.70	5	100

Chest Trauma: N

If Yes (Refer Codes): _____ Other: _____

DONOR - ACTUAL OR INTENDED

A-Actual Organ Donor: An organ donor is 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.

B-Intended Organ Donor: An intended organ donor is a person for whom the donation work was initiated as evidenced by both:
 1) Formal written consent undertaken, including consent for donation of specific organ/tissues, and
 2) Blood for tissue typing sent with allocation of a donor number, but donation did not proceed.

Figure 31 - Completed ANZOD form example- page 1

ORGANS / TISSUE	AUTHORITY SOUGHT FOR (Refer Codes)				ORGANS / TISSUES RETRIEVED (Refer Codes)				PRESERVATION				SOLUTION IN ORGAN AT STORAGE		Retrieval Team
	AUTHORITY SOUGHT Y/N	IF NO (Code)	OTHER REASON	AUTHORITY OBTAINED Y/N	RETRIEVED Y/N	IF NO (Code)	OTHER REASON	INITIAL	OTHER	SECOND	OTHER	Solution Code	OTHER		
DONOR ID (EDR/OTHER): S707070															
Left Kidney	11	Y		Y	Y			204		200		200			RADLS
Right Kidney	12	Y		Y	N	23	Surgical damage								
Liver	20	Y		Y	Y			204		200		200			AUST3
Heart	30	Y		Y	Y			207		213		207			PRCH4
Left Lung	41	Y		Y	Y			208		213		208			PRCH4
Right Lung	42	Y		Y	N	10									
Pancreas	50	Y		Y	Y			204		200		200			RADLS
Intestine	55	Y		Y	N	10									
Stomach-Intestines	56	Y		Y	N	10									
Eyes - Whole	100	Y		Y	Y			213				213			SAEB5
Eyes - Cornea Only	101	N	8				Eyes - Whole								
Musculoskeletal - Arm	103	Y		Y	N										
Musculoskeletal - Leg	104	Y		Y	N	22	No program								
Pelvic	105	N	8				Logistics								
Heart Valves	90	Y		Y	N	88									
Skin	102	N	4												
Vessels - Abdomen	107	N	8				Logistics								
Vessels - Thoracic	108	N	8				Logistics								
Vessels - Leg	109	N	8				Logistics								
Other (Specify)	99	N													
Other (Specify)	99	N													

ORGANS / TISSUES	HOSPITAL AND STATE	CODE	OUTCOME	RECIPIENT SURNAME	GIVEN NAME	REGISTRY NUMBER	DATE OF OPERATION	Multiple Organ Recipient
Left Kidney	11	WEST2	T	OTHER	Doe	John	02/03/2014	20, 58
Right Kidney	12							
Double/En-bloc Kidney	13							
Liver	20	WEST2	T	Do	John		02/03/2014	
Split Liver (L)	21		NA					
Split Liver (R)	22		NA					
Heart	30	PRCH4	T	Smith	Maggie		01/03/2014	
Left Lung	41	RLPF6	T	Boop	Bery		01/03/2014	
Right Lung	42							
Double Lung	40							
Pancreas	50	WEST2	T	Do	John		02/03/2014	
Pancreas Isles	51		NA					
Intestine	55							
Stomach-Intestines	56							
Eyes - Whole	100	SAEB5	S					
Eyes - Cornea Only	101							
Musculoskeletal - Arm	103							
Musculoskeletal - Leg	104							
Pelvic	105							
Heart Valves	90							
Skin	102							
Vessels - Abdomen	107							
Vessels - Thoracic	108							
Vessels - Leg	109							
Other (Specify)	99							
Other (Specify)	99							

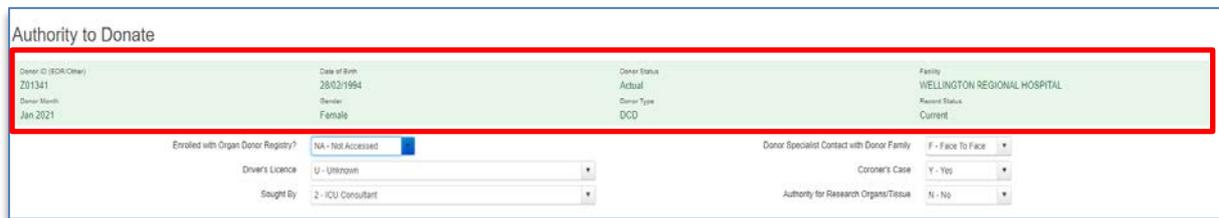
COMMENTS:

Figure 32 - Completed ANZOD form example - page 2

Authority to Donate:

The 'Authority to Donate' screen captures not only the authority from the donor's family to donate specific organs/tissues for transplantation or research, but if the donor was enrolled with the Organ Donor Registry, who sought initial authorisation, the donation specialist contact with the donor family and if the cause of death was under review by the coroner. Users can navigate to this screen by selecting it from the menu, next to 'Donor Details'.

After the donor has initially been entered via the 'Donor Details' screen, summary information can be found on consecutive screens, in a blue banner above the fields for data entry.



The screenshot shows the 'Authority to Donate' screen. A red box highlights a summary banner at the top containing the following information:

Donor ID (ODR/Other): 201341	Date of Birth: 28/02/1954	Donor Status: Actual	Family: WELLINGTON REGIONAL HOSPITAL
Donor Month: Jan 2021	Gender: Female	Donor Type: DCD	Revised Status: Current

Below the banner are several data entry fields:

- Enrolled with Organ Donor Registry?: NA - Not Accessed
- Driver's Licence: U - Unknown
- Sought By: 2 - ICU Consultant
- Donor Specialist Contact with Donor Family: F - Face To Face
- Coroner's Case: Y - Yes
- Authority for Research Organs/Tissue: N - No

Figure 33 - Authority to donate screen

All fields in this section are mandatory and include:

Authority to Donate		
Field Name	Format	Definition
Enrolled with Organ Donor Registry (field introduced Jan 1998)	Code-Text e.g. RN - Registered as no	Identifies if the donor was registered with the Organ Donor Registry at time of death. New Zealand donors are recorded as 'NA – Not Accessed'. A list of valid options for this field can be found in the 'ANZOD Code Tables' document (Appendix 1).
Driver's Licence	Code-Text e.g. Y - Yes	Was the driver's licence reviewed for organ donor information. A list of valid options for this field can be found in the 'ANZOD Code Tables' document (Appendix 1).

Authority to Donate		
Field Name	Format	Definition
Sought By	Code-Text e.g. 1 - Donation Specialist	Documents who initially sought consent for organ and/or tissue donation from the next of kin. When this field has a value with '(Specify)' selected, then additional information must be entered in the free text box. A list of valid options for this field can be found in the 'ANZOD Code Tables' document (Appendix 1).
Donor Specialist Contact with Donor Family (field introduced Jan 1998)	Code-Text e.g. F - Face to Face	Indicates the level of contact a donation specialist had with the donor's next of kin and family members. A list of valid options for this field can be found in the 'ANZOD Code Tables' document (Appendix 1).
Coroner's Case	Code-Text e.g. Y - Yes	Identifies if the coroner will be investigating the circumstances surrounding cause of death.
Authority for Research Organs/Tissue (field introduced Jan 2004)	Code-Text e.g. Y - Yes	Documents if the next of kin consented to organs and/or tissues being used for research.

****Please note – if an organ is retrieved for research purposes, corresponding organ data still needs to be completed. E.g. A heart is retrieved for research purposes, the 'Normal ECG' field still needs to be completed as well as the 'Normal Echocardiogram' field, if performed.****

Authority Sought For:

This section details if authority was sought for and obtained for donation of each individual organ and tissue.

Organs/Tissues	Authority Sought	Authority Obtained
Left Kidney	<input type="checkbox"/>	<input type="checkbox"/>
Right Kidney	<input type="checkbox"/>	<input type="checkbox"/>
Liver	<input type="checkbox"/>	<input type="checkbox"/>
Heart	<input type="checkbox"/>	<input type="checkbox"/>
Left Lung	<input type="checkbox"/>	<input type="checkbox"/>
Right Lung	<input type="checkbox"/>	<input type="checkbox"/>
Pancreas	<input type="checkbox"/>	<input type="checkbox"/>
Intestine	<input type="checkbox"/>	<input type="checkbox"/>
Eyes - Whole	<input type="checkbox"/>	<input type="checkbox"/>
Eyes - Corneas Only	<input type="checkbox"/>	<input type="checkbox"/>
Musculoskeletal - Arm	<input type="checkbox"/>	<input type="checkbox"/>
Musculoskeletal - Leg	<input type="checkbox"/>	<input type="checkbox"/>
Pelvic	<input type="checkbox"/>	<input type="checkbox"/>
Heart Valves	<input type="checkbox"/>	<input type="checkbox"/>
Skin	<input type="checkbox"/>	<input type="checkbox"/>
Vessels - Abdomen	<input type="checkbox"/>	<input type="checkbox"/>
Vessels - Thoracic	<input type="checkbox"/>	<input type="checkbox"/>
Vessels - Leg	<input type="checkbox"/>	<input type="checkbox"/>
Other (Specify) <input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>

Save Cancel

Figure 34 - Overview of Authority Sought and Authority Obtained page

If authority was not initially sought, a reason why must be provided. ‘Authority Obtained’ will automatically default to ‘N-No’ and disable when ‘Authority Sought’ is entered as ‘N-No’. To re-enable and clear the ‘Authority Obtained’ field, delete the ‘N-No’ in the ‘Authority Sought’ field.

Authority Sought For		
Organs/Tissues	Authority Sought	Authority Obtained
Left Kidney	N - No <input type="button" value="v"/> 2 - Trauma To Organ / Tissue <input type="button" value="v"/>	N - No <input type="button" value="v"/>
Right Kidney	<input type="button" value="v"/>	<input type="button" value="v"/>
Liver	<input type="button" value="v"/>	<input type="button" value="v"/>

Figure 35 - Authority Sought - No example

When providing a reason for authority not being sort, if ‘8-Other (Specify)’ is selected, an additional free text field will be provided for completion. Reasons why authority wasn’t initially sought are available in the ‘ANZOD Code Tables’ document (Appendix 1).

Authority Sought For		
Organs/Tissues	Authority Sought	Authority Obtained
Left Kidney	N - No <input type="button" value="v"/> 8 - Other (Specify) <input type="button" value="v"/> Logistics <input type="text"/>	N - No <input type="button" value="v"/>
Right Kidney	<input type="button" value="v"/>	<input type="button" value="v"/>
Liver	<input type="button" value="v"/>	<input type="button" value="v"/>

Figure 36 - Authority Sought - Additional free text

****Please note – Normally Authorisation can only be sought for Eyes – Whole OR Eyes – Corneas Only.**

If authorisation is sought for Eyes – Whole; Eyes – Corneas Only must be recorded as:

- 'Authority Sought' – 'No',
- Reason Code '8',
- Free text field to state – 'Eyes – Whole'

and vice versa. This will be auto populated for manual data entry, with editable free text fields if required.

In some jurisdictions, Authorisation is sought for both Eyes – Whole AND Eyes – Corneas Only. In this situation Consent Given for one or the other will take precedence. If Consent Given is no for both, the Cornea default will be applied. **

Eyes - Whole	Y - Yes	Y - Yes	
Eyes - Corneas Only	N - No 8 - Other (Specify) Eyes - Whole	N - No	

Figure 37 - Eyes - Whole consented

Eyes - Whole	N - No 8 - Other (Specify) Eyes - Corneas Only	N - No	
Eyes - Corneas Only	Y - Yes	Y - Yes	

Figure 38 - Eyes - Corneas Only Consented

****Please note – Authorisation for blood vessels should only be recorded as sought when the consent is for the purpose of donation of blood vessels for appropriate storage and processing by a tissue bank. Vessels retrieved for use in association with solid organs are NOT to be recorded as ‘Yes’ in the ‘Authority Sought’ column.****

Vessels - Abdomen	N - No <input type="button" value="v"/> 8 - Other (Specify) <input type="button" value="v"/> Logistics <input type="text"/>	N - No <input type="button" value="v"/>	
Vessels - Thoracic	N - No <input type="button" value="v"/> 8 - Other (Specify) <input type="button" value="v"/> Logistics <input type="text"/>	N - No <input type="button" value="v"/>	
Vessels - Leg	N - No <input type="button" value="v"/> 8 - Other (Specify) <input type="button" value="v"/> Logistics <input type="text"/>	N - No <input type="button" value="v"/>	

Figure 39 - Vessels not sought for due to no program available in the donor state

To record authority sought and obtained ‘Yes/No’ for Stomach-Intestine, please enter ‘Stomach-Intestine’ into the ‘Other (Specify)’ field and select ‘Save’. Stomach-Intestine field will then appear between Intestine and Eyes-Whole.

Other (Specify) Stomach-Intestine <input type="text"/>	Y - Yes <input type="button" value="v"/>	Y - Yes <input type="button" value="v"/>	
<input type="button" value="Save"/> <input type="button" value="Cancel"/>			

Figure 40 - Stomach-Intestine data entry

Authority Sought For		
Organs/Tissues	Authority Sought	Authority Obtained
Left Kidney	Y - Yes ▼	Y - Yes ▼
Right Kidney	Y - Yes ▼	Y - Yes ▼
Liver	Y - Yes ▼	Y - Yes ▼
Heart	Y - Yes ▼	Y - Yes ▼
Left Lung	Y - Yes ▼	Y - Yes ▼
Right Lung	Y - Yes ▼	Y - Yes ▼
Pancreas	Y - Yes ▼	Y - Yes ▼
Intestine	Y - Yes ▼	Y - Yes ▼
Stomach-Intestines	Y - Yes ▼	Y - Yes ▼
Eyes - Whole	Y - Yes ▼	Y - Yes ▼

Figure 41 - Stomach-Intestine field once saved

Other than for Stomach-Intestine, use of the 'Other (Specify)' field should be kept at a minimum. Please do not hesitate to contact Registry staff if you wish to discuss if use of this field is required for a particular scenario.

Donation Event

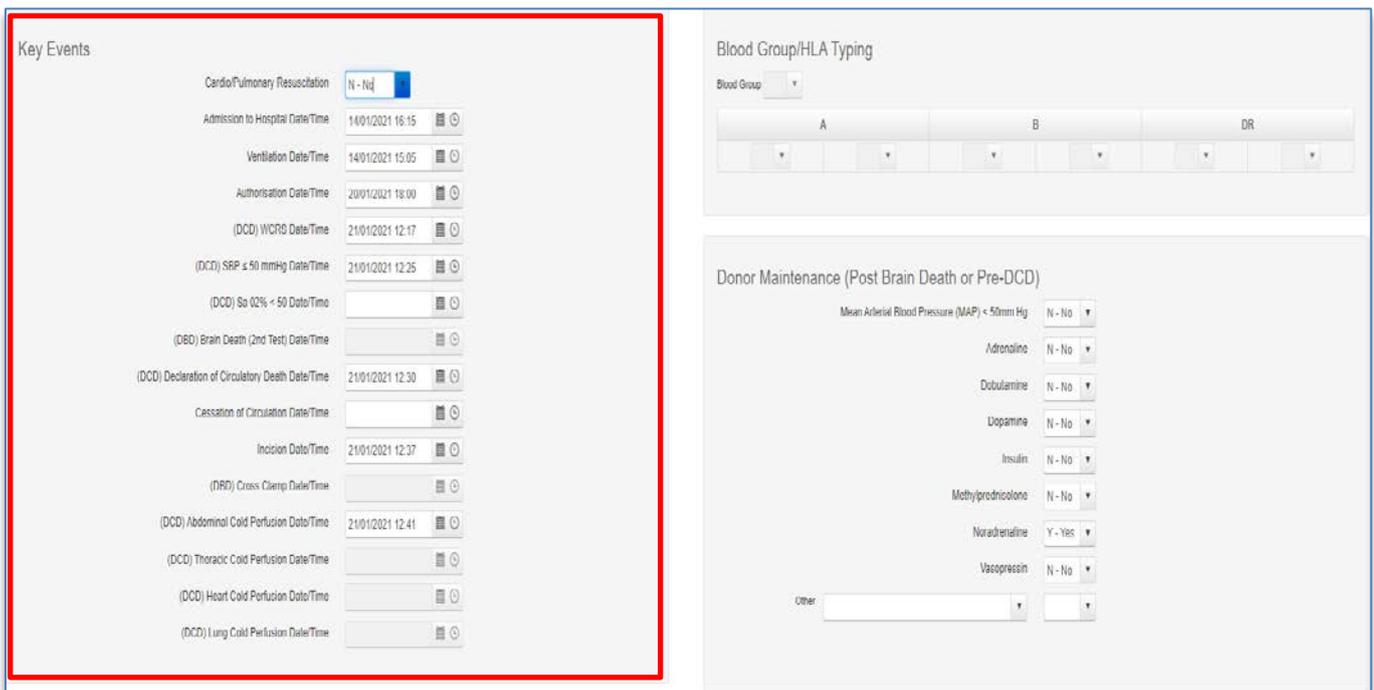
The ‘Donation Event’ screen captures the key events, blood group, serology results, donor maintenance and terminal treatment data for the donor.

Key Events:

This section allows documentation of key points in time during the donation pathway. Certain fields will require data entry, depending on the donor status (actual or intended) and the pathway used during organ retrieval (DCD or DBD). All irrelevant fields will disable and do not require data entry.

The drop down calendar and clock can be used for convenience for all date-time fields. All dates must be on or before the current date of data entry.

****Please note – Time should be recorded as 24 hour format.****



The screenshot displays the 'Donation Event' form interface. The 'Key Events' section on the left is highlighted with a red border and contains the following fields:

- Cardio/Pulmonary Resuscitation: N - No
- Admission to Hospital Date/Time: 14/01/2021 16:15
- Ventilation Date/Time: 14/01/2021 15:05
- Authorisation Date/Time: 20/01/2021 18:00
- (DCD) WCRG Date/Time: 21/01/2021 12:17
- (DCD) SRP ≤ 50 mmHg Date/Time: 21/01/2021 12:25
- (DCD) Sa O2% + 50 Date/Time: [disabled]
- (DBD) Brain Death (2nd Test) Date/Time: [disabled]
- (DCD) Declaration of Circulatory Death Date/Time: 21/01/2021 12:30
- Cessation of Circulation Date/Time: [disabled]
- Incision Date/Time: 21/01/2021 12:37
- (DRD) Cross Clamp Date/Time: [disabled]
- (DCD) Abdominal Cold Perfusion Date/Time: 21/01/2021 12:41
- (DCD) Thoracic Cold Perfusion Date/Time: [disabled]
- (DCD) Heart Cold Perfusion Date/Time: [disabled]
- (DCD) Lung Cold Perfusion Date/Time: [disabled]

The 'Blood Group/HLA Typing' section on the right includes a 'Blood Group' dropdown menu and a table for typing:

A		B		DR	
[dropdown]	[dropdown]	[dropdown]	[dropdown]	[dropdown]	[dropdown]

The 'Donor Maintenance (Post Brain Death or Pre-DCD)' section contains the following fields:

- Mean Arterial Pressure (MAP) < 50mm Hg: N - No
- Adrenaline: N - No
- Dobutamine: N - No
- Uopamine: N - No
- Insulin: N - No
- Methylprednisolone: N - No
- Noradrenaline: Y - Yes
- Vasopressin: N - No
- Other: [dropdown]

Figure 42 - Key Events, example of active fields for an actual DBD donor

Fields in this section include:

Key Events		
Field Name	Format	Definition
Cardio/Pulmonary Resuscitation (field introduced Jan 1993)	Code-Text e.g. Y – Yes	Identifies if the donor underwent any attempts at resuscitation.
Admission to Hospital Date/Time	Date-Time - dd/mm/yyyy - hh:mm e.g. 01/01/2014 19:35	This records date and time of the donor's hospital admission to the retrieval facility.
Ventilation Date/Time (field introduced Jan 1993)	Date-Time - dd/mm/yyyy - hh:mm e.g. 01/01/2014 19:35	Identifies date-time of initial ventilation of the donor.
Authorisation Date/Time (field introduced Jan 2014)	Date-Time - dd/mm/yyyy - hh:mm e.g. 01/01/2014 19:35	This records the date and time authority is received for organ/tissue donation.
(DCD) WCRS Date/Time (field introduced Jan 2008)	Date-Time - dd/mm/yyyy - hh:mm e.g. 01/01/2014 19:35	Date and time the donor has withdrawal of cardio-respiratory support (WCRS). This field is only enabled for those donors undergoing the DCD retrieval pathway.

Key Events		
Field Name	Format	Definition
<p>(DCD) SBP <= 50 mmHg Date/Time</p> <p>(field introduced Jan 2010)</p>	<p>Date-Time</p> <p>- dd/mm/yyyy</p> <p>- hh:mm</p> <p>e.g. 01/01/2014 19:35</p>	<p>Date and time the donor's systolic blood pressure (SBP) is equal to or less than 50 mmHg.</p> <p>This field is only enabled for those donors undergoing the DCD retrieval pathway.</p>
<p>(DCD) Sa O₂% < 50 Date/Time</p> <p>(field introduced Jan 2010)</p>	<p>Date-Time</p> <p>- dd/mm/yyyy</p> <p>- hh:mm</p> <p>e.g. 01/01/2014 19:35</p>	<p>Records date and time of the drop in oxygen saturation level. This field is only enabled for those donors undergoing the DCD retrieval pathway.</p>
<p>(DBD) Brain Death (2nd Test) Date/Time</p>	<p>Date-Time</p> <p>- dd/mm/yyyy</p> <p>- hh:mm</p> <p>e.g. 01/01/2014 19:35</p>	<p>Records official date and time of brain death declaration (2nd test).</p> <p>This field is only enabled for those donors undergoing the DBD retrieval pathway and will be used to determine in what month or year a declared brain dead, intended donor will be counted.</p>
<p>(DCD) Declaration of Circulatory Death Date/Time</p>	<p>Date-Time</p> <p>- dd/mm/yyyy</p> <p>- hh:mm</p> <p>e.g. 01/01/2014 19:35</p>	<p>Records the official date and time of declaration of circulatory death by medical officer, evidenced by formal death documentation.</p> <p>This field is only enabled for those donors undergoing the DCD retrieval pathway and will be used to determine in what month or year a declared circulatory dead, intended donor will be counted.</p>

Key Events		
Field Name	Format	Definition
Cessation of Circulation Date/Time	Date-Time - dd/mm/yyyy - hh:mm e.g. 01/01/2014 19:35	Records the official date and time of donor circulatory cessation. This field is only enabled for those donors undergoing the DCD retrieval pathway and will be used to determine in what month or year a declared circulatory dead, intended donor will be counted.
Incision Date/Time (field introduced Jan 2014)	Date-Time - dd/mm/yyyy - hh:mm e.g. 01/01/2014 19:35	Records time and date of knife to skin. This field will assist in determining the difference between an actual and an intended donor and determines in what month or year an actual donor (both DCD and DBD) will be counted. This is a new field introduced in 2014.
(DBD) Cross Clamp Date/Time	Date-Time - dd/mm/yyyy - hh:mm e.g. 01/01/2014 19:35	This field is only enabled for those actual donors undergoing the DBD retrieval pathway and must be after the 'Incision' date/time.
(DCD) Abdominal Cold Perfusion Date/Time	Date-Time - dd/mm/yyyy - hh:mm e.g. 01/01/2014 19:35	This field is only enabled for those actual donors undergoing the DCD retrieval pathway. This date/time field must be after all other date/times in the 'Key Events' section.

Key Events		
Field Name	Format	Definition
(DCD) Thoracic Cold Perfusion Date/Time	Date-Time - dd/mm/yyyy - hh:mm e.g. 01/01/2014 19:35	This field is only enabled for those actual donors undergoing the DCD retrieval pathway. This date/time field must be after all other date/times in the 'Key Events' section.
(DCD) Heart Cold Perfusion Date/Time	Date-Time - dd/mm/yyyy - hh:mm e.g. 01/01/2014 19:35	Records date and time if only heart cold perfusion initiated, rather than all thoracic organs. This field is only enabled for those actual donors undergoing the DCD retrieval pathway. This date/time field must be after all other date/times in the 'Key Events' section.
(DCD) Lung Cold Perfusion Date/Time	Date-Time - dd/mm/yyyy - hh:mm e.g. 01/01/2014 19:35	Records date and time if only lung cold perfusion initiated, rather than all thoracic organs. This field is only enabled for those actual donors undergoing the DCD retrieval pathway. This date/time field must be after all other date/times in the 'Key Events' section.

All required fields must be populated to save. If any of these fields are blank, an error will occur and the page, including any data entry or edits, will not save.

The error will identify which field needs to be completed to ensure saving.

Donation Event

Error(s) have occurred. Changes have not been saved.

- The Authorisation Date/Time must be on or after Date of Birth and Admission to Hospital Date.

Donor ID (ICD/Other) Z01341	Date of Birth 28/02/1994	Donor Status Actual	Facility WELLINGTON REGIONAL HOSPITAL
Donor Month Jan 2021	Gender Female	Donor Type DCD	Record Status Current

Key Events

Cardio/Pulmonary Resuscitation

Admission to Hospital Date/Time

Ventilation Date/Time

Authorisation Date/Time

(DCD) WCRS Date/Time

(DCD) SBP >= 50 mmHg Date/Time

(DCD) Sa O2% >= 50 Date/Time

(DBD) Brain Death (2nd Test) Date/Time

(DCD) Declaration of Circulatory Death Date/Time

Cessation of Circulation Date/Time

Incision Date/Time

(DBD) Cross Clamp Date/Time

(DCD) Abdominal Cold Perfusion Date/Time

(DCD) Thoracic Cold Perfusion Date/Time

Blood Group/HLA Typing

Blood Group

Donor Maintenance (Post Brain Death or Pre-DCD)

Mean Arterial Blood Pressure (MAP) - 50mm Hg

Adrenaline

Dobutamine

Dopamine

Insulin

Methylprednisolone

Noradrenaline

Figure 43 - Example of an error with a missing key event date and time

Declared Brain Dead (2nd test) Donor transferring to Organ Retrieval via the Donation after Circulatory Death Pathway:

To record the scenario of a declared Brain Death (2nd test) donor, whose family has requested to progress to cardiac cessation, and therefore retrieval of organs occurs via the Donation after Circulatory Death pathway.

For manual data entry:

- Please identify in the comments section that this is a donor who has undergone a DBD to DCD conversion.
- In the 'Key Events' section, the '(DBD) Brain Death (2nd Test)' Date/Time field will be disabled due to the DCD retrieval pathway being followed. Please record the '(DBD) Brain Death (2nd Test)' Date/Time in the comments section. This will then be manually entered against its corresponding field by Registry staff prior to actual database entry.
- The '(DCD) Declaration of Circulatory Death' Date/Time field will be active. Please record the date/time of circulatory cessation here and Registry staff will note that this data actually pertains to the circulatory cessation date and time as oppose to a declaration of circulatory death.
- Record all other DCD fields as per normal DCD protocol.

For XML upload from the EDR:

- Please identify in the comments section that this is a donor who has undergone a DBD to DCD conversion.
- 'Cessation of Circulation' field will automatically show and populate accordingly.
- Record all other DCD fields as per normal DCD protocol.

Please do not hesitate to contact Registry staff should you have any questions about a DBD to DCD conversion donor.

Blood Group/HLA Typing:

Documents the 'Blood Group' and tissue typing of the donor.

****Please Note - this field is no longer captured through the EDR XML or required through manual entry****

The screenshot displays the ANZOD Online Module interface. On the left, there is a 'Key Events' section with a list of medical events and their corresponding dates and times. On the right, there is a 'Blood Group/HLA Typing' section, which is highlighted with a red box. This section includes a dropdown menu for 'Blood Group' and a table with columns for 'A', 'B', and 'DR'. Below this, there is a 'Donor Maintenance (Post Brain Death or Pre-DCD)' section with various dropdown menus for medication administration, including Adrenaline, Dobutamine, Dopamine, Insulin, Methylprednisolone, and Noradrenaline.

Figure 44 - Blood Group and HLA Typing

Hepatitis and Other Virology:

Identifies result outcomes of the following tests:

Test	Result
Anti-HBcAb	<input type="text"/>
HBcAB IgM	<input type="text"/>
HBsAb	<input type="text"/>
HBsAg	<input type="text"/>
NAT HBV	<input type="text"/>
Anti-HCV	<input type="text"/>
NAT HCV	<input type="text"/>
Anti-HIV I/II	<input type="text"/>
NAT HIV	<input type="text"/>
EBV IgG	<input type="text"/>
EBV IgM	<input type="text"/>
EBNA	<input type="text"/>
CMV IgG	<input type="text"/>
CMV IgM	<input type="text"/>
Anti-HTLV I/II	<input type="text"/>
WNV	<input type="text"/>
Syphilis	<input type="text"/>
Toxo Ab IgG	<input type="text"/>
Toxo Ab IgM	<input type="text"/>
Chagas	<input type="text"/>
Other (Specify) <input type="text"/>	<input type="text"/>

Figure 45 - Hepatitis and Other Virology

Use of the 'Other (Specify)' field should be kept at a minimum. Please do not hesitate to contact ANZOD staff if you wish to discuss if use of this field is required for a particular scenario.

Valid outcomes for these fields are listed in the 'ANZOD Code Tables' document (Appendix 1).

Donor Maintenance (Post Brain Death or Pre-DCD):

Used to record if there was a drop in mean arterial blood pressure (MAP) and any treatments administered to the donor as appropriate measures to maintain suitability for organ donation preoperatively, but after authorisation for donation has been obtained. All fields are mandatory.

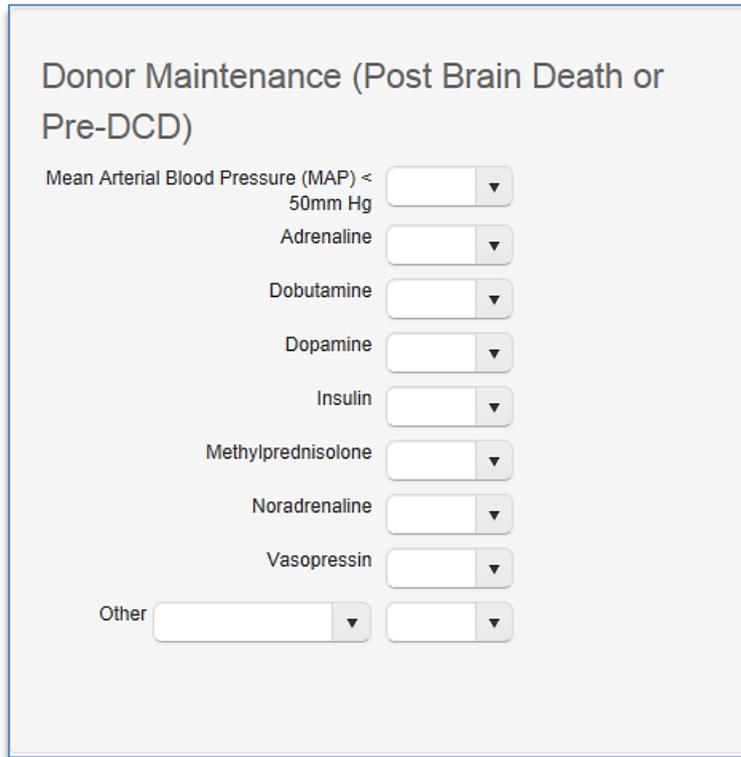


Figure 46 - Donor Maintenance

Donor Maintenance		
Field Name	Format	Definition
Mean Arterial Pressure (MAP) < 50mmHg (field introduced Jan 2002)	Code-Text e.g. N - No	Documents if the donor’s mean arterial blood pressure (MAP) dropped below 50 mmHg. If ‘Y - Yes’ is recorded a duration field will appear. This field is only present for historical data and can therefore remain blank.

Donor Maintenance		
<p>Treatment list</p> <p>(Antibiotic field introduced Jan 2008)</p>	<p>Code-Text</p> <p>e.g. N - No</p>	<p>Identifies any treatments administered to assist with donor stability preoperatively, but after authorisation for organ donation has been obtained.</p> <p>When the 'Other' field has a value with 'Other (Specify)' selected, then a description of the treatment must be entered in the free text box.</p> <p>A list of valid options for this field can be found in the 'ANZOD Code Tables' document (Appendix 1).</p>

Terminal Treatment:

Documents any treatments administered to the donor in preparation of organ retrieval, including intraoperative medication. All fields are mandatory.

Terminal Treatment

Antibiotics ▼

Chlorpromazine ▼

Furosemide ▼

Heparin ▼

Mannitol ▼

Methylprednisolone ▼

Nitroprusside ▼

Other ▼ ▼

Figure 47 - Terminal Treatment

Terminal Treatment		
Field Name	Format	Definition
Treatment list	Code-Text e.g. N - No	<p>Identifies medication administered to the donor in preparation of organ retrieval, including intraoperative treatment.</p> <p>When the 'Other' field has a value with 'Other (Specify)' selected, then a description of the treatment must be entered in the free text box.</p> <p>A list of valid options for this field can be found in the 'ANZOD Code Tables' document (Appendix 1).</p>

Kidney – Organ Data:

This section records vital information of the kidneys, including creatinine and urea levels, procurement biopsy and oliguria.

****Please note – The Kidney – Organ Data section will only appear on the Donation Events page if authority has been obtained for organ donation.**

– This section requires completion even if the outcome of the organ is research. **

The top right hand field identifies if this donor was a kidney donor (Yes or No) and will be automatically populated based upon whether retrieval of this organ did or did not occur.



The screenshot shows a form titled "Kidney - Organ Data". On the right side, there is a "Kidney Donor" checkbox. Below it are two dropdown menus: "Procurement Biopsy Performed" and "< 20 mls/hr". The main form area is divided into two columns: "Admission" and "Terminal". Under "Admission", there are input fields for "Creatinine µmol/L", "Urea µmol/L", and "Urine Output (mL/hr)". Under "Terminal", there are input fields for "Creatinine µmol/L", "Urea µmol/L", and "Urine Output (mL/hr)".

Figure 48 - Kidney data section

Kidney		
Field Name	Format	Definition
Creatinine - Admission µmol/L	Numeric e.g. 120	Documents creatinine level at time of admission. Measurement unit is micromoles per litre and is a whole number.
Creatinine – Terminal µmol/L	Numeric e.g. 86	Documents last recorded creatinine level prior to potential organ retrieval. Measurement unit is micromoles per litre and is a whole number.

Kidney		
Field Name	Format	Definition
Urea - Admission µmol/L	Numeric e.g. 8.70	Records urea level at time of admission. Measurement unit is micromoles per litre and is to 2 decimals.
Urea - Admission µmol/L	Numeric e.g. 8.90	Records last documented urea level prior to potential organ retrieval. Measurement unit is micromoles per litre and is to 2 decimals.
Urine Output (mls/hr)	Numeric e.g. 120	Last documented volume of urine. Measurement unit is millilitres per hour and is a whole number.
Oliguria in last 12 hours < 20 mls/hr	Code-Text e.g. N - No	Identifies if oliguria was less than 20mls/hr, if yes please record the duration.
Oliguria in last 12 hours < 20 mls/hr Duration (field introduced Jan 1993)	Numeric e.g. 1	Length of time oliguria was less than 20mls/hr. Measurement unit is hours and is a whole number.
Procurement Biopsy Performed (field introduced Jan 2000)	Code-Text e.g. N - No	Documents if a biopsy of the kidneys was performed to assess viability for transplantation.

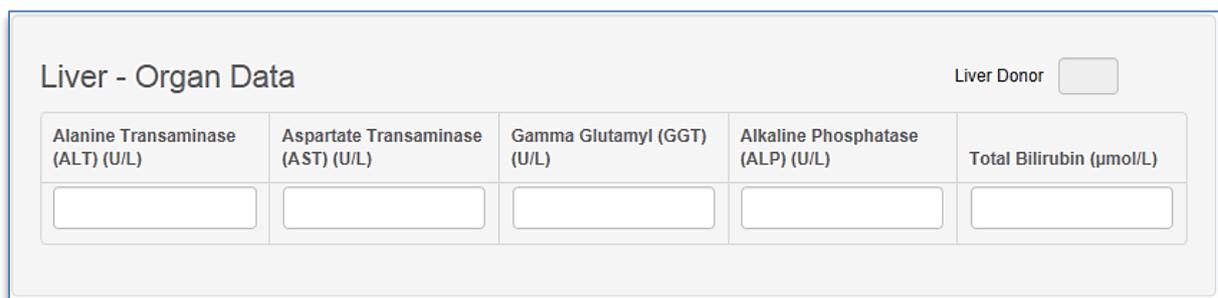
Liver – Organ Data:

Documents the following liver results : alanine transaminase; aspartate transaminase; gamma glutamyl; alkaline phosphatase and; bilirubin.

****Please note – The Liver – Organ Data section will only appear on the Donation Events page if authority has been obtained for organ donation.**

– This section requires completion even if the outcome of the organ is research. **

The top right hand field identifies if this donor was a liver donor (Yes or No) and will be automatically populated based upon whether retrieval of this organ did or did not occur.



Liver - Organ Data Liver Donor

Alanine Transaminase (ALT) (U/L)	Aspartate Transaminase (AST) (U/L)	Gamma Glutamyl (GGT) (U/L)	Alkaline Phosphatase (ALP) (U/L)	Total Bilirubin (µmol/L)
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Figure 49 - Liver data section

Liver		
Field Name	Format	Definition
Alanine Transaminase (ALT) (U/L) (field introduced Jan 1993)	Numeric e.g. 45	Documents last alanine transaminase level. Measurement unit is units per litre and is a whole number.
Aspartate Transaminase (AST) (U/L) (field introduced Jan 1993)	Numeric e.g. 62	Documents last aspartate transaminase level. Measurement unit is units per litre and is a whole number.

Liver		
Field Name	Format	Definition
Gamma Glutamyl (GGT) (U/L) (field introduced Jan 1993)	Numeric e.g. 30	Records last gamma glutamyl level. Measurement unit is units per litre and is a whole number.
Alkaline Phosphatase (ALP) (U/L) (field introduced Jan 1993)	Numeric e.g. 44	Records last alkaline phosphatase level. Measurement unit is units per litre and is a whole number.
Total Bilirubin ($\mu\text{mol/L}$) (field introduced Jan 1993)	Numeric e.g. 4	Documents last recorded bilirubin. Measurement unit is units per litre and is a whole number.

Heart – Organ Data:

Reports the outcome of an ECG and/or echocardiogram.

****Please note – The Heart – Organ Data section will only appear on the Donation Events page if authority has been obtained for organ donation.**

– This section requires completion even if the outcome of the organ is research.**

The top right hand field identifies if this donor was a heart donor (Yes or No) and will be automatically populated based upon whether retrieval of this organ did or did not occur.

****Please note – If the outcome of the heart is heart valves only, the donor will not be classified as a solid organ heart donor. ****

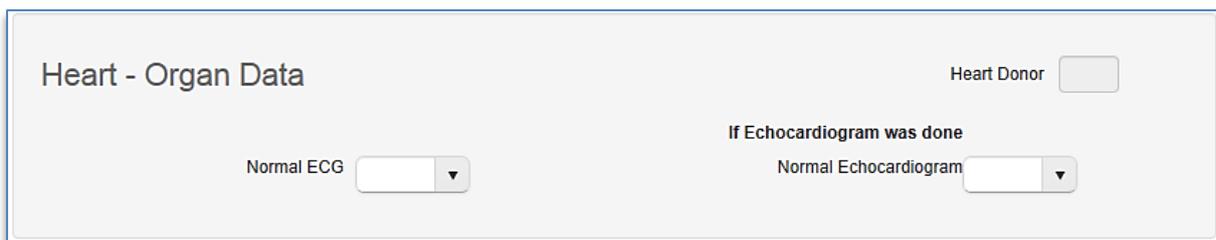


Figure 50 - Heart data section

Heart		
Field Name	Format	Definition
Normal ECG	Code-Text e.g. N - No	Documents if a normal result was obtained from an electrocardiogram.
Normal Echocardiogram <small>(field introduced Jan 2010)</small>	Code-Text e.g. N - No	Documents if a normal result was obtained from an echocardiogram. If no echocardiogram was performed please leave this field blank.

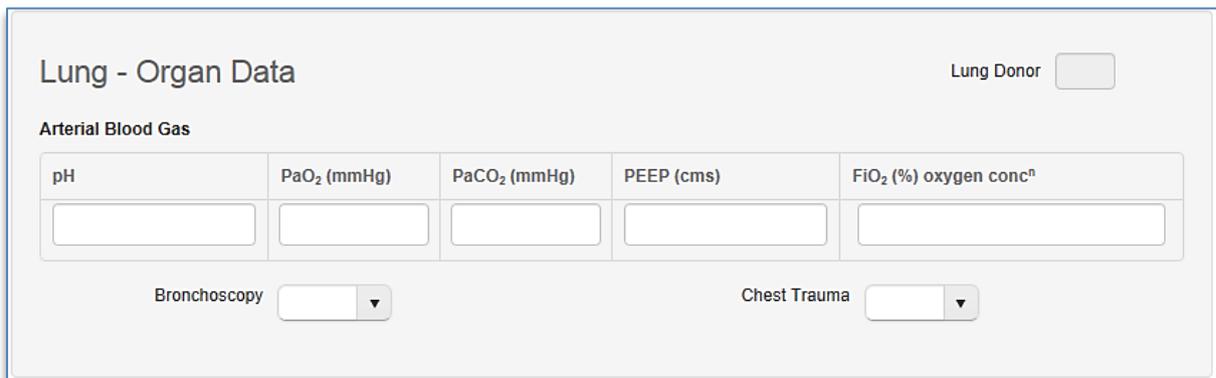
Lung – Organ Data:

Identifies lung pH, pressure levels, oxygen concentration, whether a bronchoscopy was performed and any chest trauma the donor may have suffered.

****Please note – The Lung – Organ Data section will only appear on the Donation Events page if authority has been obtained for organ donation.**

– This section requires completion even if the outcome of the organ is research. **

The top right hand field identifies if this donor was a lung donor (Yes or No) and will be automatically populated based upon whether retrieval of this organ did or did not occur.



Lung - Organ Data Lung Donor

Arterial Blood Gas

pH	PaO ₂ (mmHg)	PaCO ₂ (mmHg)	PEEP (cms)	FiO ₂ (% oxygen conc ⁿ)
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Bronchoscopy Chest Trauma

Figure 51 - Lung data section

Lung		
Field Name	Format	Definition
pH <small>(field introduced Jan 1993)</small>	Numeric e.g. 7.42	Documents last pH level. Value is to 2 decimals.
PaO₂ (mmHg) <small>(field introduced Jan 1993)</small>	Numeric e.g. 502	Documents last partial pressure of oxygen. Measurement unit is millimetre of mercury and is a whole number.
PaCO₂ (mmHg) <small>(field introduced Jan 1993)</small>	Numeric e.g. 34.70	Records last partial pressure of carbon dioxide. Measurement unit is millimetre of mercury and is to 2 decimals.

Lung		
Field Name	Format	Definition
PEEP (cms) (field introduced Jan 1993)	Numeric e.g. 10	Records last positive end expiratory pressure. Measurement unit is centimetres and is a whole number.
FiO₂ (%) Oxygen Concentration (field introduced Jan 2008)	Numeric e.g. 100 (percentage)	Documents last recorded fraction of inspired oxygen concentration. **Please note this is recorded as a percentage. E.g. 95%**
Bronchoscopy (field introduced Jan 2002)	Code-Text e.g. N - No	Documents if a bronchoscopy of the lungs was performed to assess viability for transplantation.
Chest Trauma (field introduced Jan 1998)	Code-Text e.g. N - No	Records if the donor received any chest trauma. If 'Yes', please document additional information, in the field provided, of exactly what the trauma was. E.g. 2 – Chest Drain. A list of valid options for this field can be found in the 'ANZOD Code Tables' document (Appendix 1).

Pancreas – Organ Data:

Documents results of maximum blood sugar level and amylase or lipase results.

****Please note – The Pancreas – Organ Data section will only appear on the Donation Events page if authority has been obtained for organ donation.**

– This section requires completion even if the outcome of the organ is research. **

The top right hand field identifies if this donor was a pancreas donor (Yes or No) and will be automatically populated based upon whether retrieval of this organ did or did not occur.

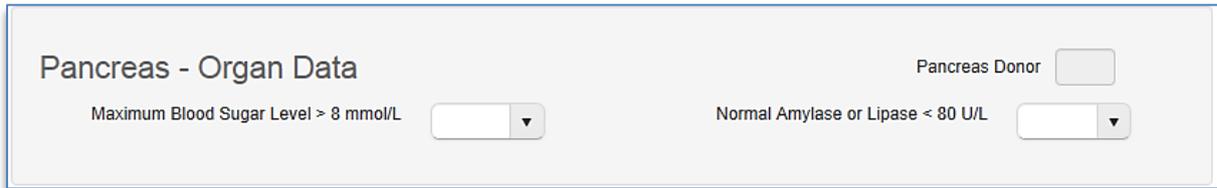


Figure 52 - Pancreas data section

Pancreas		
Field Name	Format	Definition
Maximum Blood Sugar Level > 8 mmol/L	Code-Text e.g. N - No	Documents if the donor’s highest blood sugar reading was greater than 8 millimoles per litre.
Normal Amylase or Lipase < 80 U/L	Code-Text e.g. N - No	Documents if either the normal amylase or lipase level was less than 80 units per litre.

Organs Retrieved:

The ‘Organs Retrieved’ screen captures the organs/tissues that have been retrieved from the donor where authority has been obtained to donate that specific organ/tissue. If retrieved, preservation solutions and the retrieval team are also documented. If not retrieved, the reason for no retrieval is recorded. All fields are mandatory.

****Please note – Only those organs/tissues, where authority has been obtained for donation, will appear on the Organs Retrieved page.****

Organs Retrieved

⚠ You are currently viewing data in a staging area which will not be stored in ANZOD until it has been Submitted from the Review & Submit page.

Donor ID (FSA/Other) D20-0897	Date of Birth 19/07/1996	Donor Status Actual	Facility ASHFORD HOSPITAL
Donor Month Mar 2021	Gender Male	Donor Type DCD	Record Status Data Entry In Progress

Organs/Tissues	Organ Retrieved	Preservation		Solution in Organ At Storage	Retrieval Team
		Initial	Second		
Left Kidney	<input type="text"/>				
Right Kidney	<input type="text"/>				
Liver	<input type="text"/>				
Heart	<input type="text"/>				
Left Lung	<input type="text"/>				
Right Lung	<input type="text"/>				
Pancreas	<input type="text"/>				
Intestine	<input type="text"/>				
Eyes - Vitreol	<input type="text"/>				
Musculoskeletal - Arm	<input type="text"/>				
Musculoskeletal - Leg	<input type="text"/>				
Pelvic	<input type="text"/>				
Cardiovascular Tissue	<input type="text"/>				
Skin	<input type="text"/>				
Vessels - Abdomen	<input type="text"/>				
Vessels - Thoracic	<input type="text"/>				
Vessels - Leg	<input type="text"/>				

Figure 53 - Organs Retrieved page

Organs Retrieved		
Field Name	Format	Definition
Organ Retrieved	Code-Text e.g. Y - Yes	<p>Documents if individual solid organ and tissue retrieval took place.</p> <p>If organ/tissue retrieval did not occur, 'N – No' is recorded and an additional field will appear to document information as to why retrieval did not take place.</p> <p>A list of reasons why retrieval did not occur can be found in the 'ANZOD Code Tables' document (Appendix 1).</p> <p>When the 'Organ Retrieved' field has a value with '(Specify)' selected, then an additional reason must be entered in the free text box.</p>
Preservation Solution - Initial - Second	Code-Text e.g. 208 - Perfadex	<p>Reports the preservation solutions used for organ and tissue retrieval.</p> <p>Both fields require completion. If no second flush occurred please select '213 - No Flush'. When the solution field has a value with '(Specify)' selected, then an additional description must be entered in the free text box.</p> <p>A list of solutions can be found in the 'ANZOD Code Tables' document (Appendix 1).</p>
Storage Solution	Code-Text e.g. 208 - Perfadex	<p>Documents the storage solution used for the solid organ or tissue.</p> <p>This field requires completion. If no storage solution used please select '213 - No Flush'. When the solution field has a value with '(Specify)' selected, then an additional description must be entered in the free text box.</p> <p>A list of solutions can be found in the 'ANZOD Code Tables' document (Appendix 1).</p>

Organs Retrieved		
Retrieval Team	Code-Text e.g. ALBA - Albany Hospital (WA)	Documents the facility of the retrieval team used for a specific organ or tissue retrieval. A list of facility codes and names for this field can be found in the 'ANZOD Facility Codes' document (Appendix 2).

Organs/Tissues	Organ Retrieved	Preservation		Solution in Organ At Storage	Retrieval Team
		Initial	Second		
Left Kidney	Y - Yes	204 - Hartmann's	200 - UW	200 - UW	RADL - R
Right Kidney	N - No 23 - Other (Specify) Surgical damage				
Liver	Y - Yes	204 - Hartmann's	200 - UW	200 - UW	AUST - A
Heart	Y - Yes	207 - Custodial	213 - No Flush	207 - Custodial	PRCH - F
Left Lung	Y - Yes	208 - Perfadex	213 - No Flush	208 - Perfadex	PRCH - F
Right Lung	N - No 10 - No Suitable Recipient				
Pancreas	Y - Yes	204 - Hartmann's	200 - UW	200 - UW	RADL - R
Intestine	N - No 10 - No Suitable Recipient				
Stomach-Intestines	N - No 10 - No Suitable Recipient				
Eyes - Whole	Y - Yes	213 - No Flush	213 - No Flush	213 - No Flush	SAEB - S
Musculoskeletal - Leg	N - No 22 - Logistics (Specify) No program				
Heart Valves	N - No 98 - Whole Organ				

Figure 54 - Example of data entry on the Organs Retrieved page

Common reasons why organs/tissues are not retrieved when further *specification* is required:

- 22 – Logistics (Specify) – No program (“No program” should be entered in the free text box)
- 23 – Other (Specify) – Whole *organ* transplanted (the word ‘organ’ should be changed accordingly e.g. “Whole heart transplanted” should be entered in the free text box for heart valves not being retrieved)

****Please note – When Cardiovascular Tissue relates to Heart Valves, only one of either Heart or Cardiovascular Tissue can be retrieved.****

Heart	Y - Yes	207 - Custodial	213 - No Flush	213 - No Flush	PRCH - F
Cardiovascular Tissue	N - No 23 - Other (Specify) Whole heart transplanted				

Figure 55 - Example of whole heart being retrieved

Heart	N - No 20 - Abg				
Cardiovascular Tissue	Y - Yes	213 - No Flush	213 - No Flush	213 - No Flush	RPHV - F

Figure 56 - Example of heart valves retrieved

****Please note – All solution fields must be filled. If no solution was used then code 213 should be selected.****

Eyes - Whole	Y - Yes	213 - No Flush	213 - No Flush	213 - No Flush	SAEB - S
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Figure 57 - Example of no solutions

****Please note – Only those organs/tissues that have been retrieved will appear on the Destination screen.****

Destination:

The 'Destination' screen captures the destinations, outcomes and recipients of the organs/tissues that have been retrieved from a donor. All fields must be completed. Deleting data from the 'Outcome' field will clear the entire row of data.

****Please note – Only those organs/tissues that have been surgically retrieved will appear on the Destination page.****

Destination

Donor ID (EOP/Other) Z01343	Date of Birth 14/11/1972	Donor Status Actual	Facility WELLINGTON REGIONAL HOSPITAL
Donor Month Jan 2021	Gender Female	Donor Type DBD	Record Status Current

Organs / Tissues	Facility	Outcome	ANZDATA Registry Number	Recipient Surname	Given Name	Date of Operation	Additional Organs Received
Left Kidney	<input type="text"/>	<input type="text"/>					
Right Kidney	<input type="text"/>	<input type="text"/>					
Double-En-bloc Kidney	<input type="text"/>	<input type="text"/>					
Liver	<input type="text"/>	<input type="text"/>					
Split Liver (L)	<input type="text"/>	<input type="text"/>					
Split Liver (R)	<input type="text"/>	<input type="text"/>					
Eyes - Whole	<input type="text"/>	<input type="text"/>					

Figure 58 - Destination screen

Destination		
Field Name	Format	Definition
Facility	Code-Text e.g. ALBA - Albany Hospital (WA)	Identifies the final destination facility of the organ/tissue. A list of facility codes and names for this field can be found in the 'ANZOD Facility Codes' document (Appendix 1).

Destination		
Outcome	Code-Text e.g. T - Transplanted	Documents the final outcome of the organ/tissue. If organ/tissue outcome has been recorded as 'N – Not Used (Specify)' an additional field will appear to document information as to why the organ or tissue was not used. A list of outcomes can be found in the 'ANZOD Code Tables' document (Appendix 1).
ANZDATA Registry Number	DO NOT COMPLETE	Please leave this field blank for completion by a Registry staff member.
Recipient Surname	Text	Documents the recipient surname for bio vigilance purposes.
Recipient Given Name	Text	Documents the recipient given name for bio vigilance purposes.
Date of Operation	Date - dd/mm/yyyy e.g. 01/01/2014	Records the date the organ was transplanted into the recipient. This date must occur after the incision date and be no longer than two days post incision date. Whilst most organs will be entered within 24 hours, 48 hours has been allowed to accommodate organs/tissues that may be retrieved near midnight.
Additional Organs Received	Drop down list	This field is used to identify patients receiving more than one organ. Please see the 'Additional Organs Received' section for instructions (page 75).

****Please note – To correctly data enter 2 kidney transplants, a double adult kidney transplant or an en bloc kidney transplant. When entering manually, the other option(s) will populate accordingly ****

Organs / Tissues	Facility	Outcome	ANZDATA Registry Number	Recipient Surname	Given Name	Date of Operation	Additional Organs Received
Left Kidney	RADL	T - Transplanted	XXXXXX	Doe	John	02/03/2014	
Right Kidney	RADL	T - Transplanted	XXXXXX	Jones	Tom	01/03/2014	
Double/En-bloc Kidney		NA - Not Applicable					

Figure 59 - Example of 2 kidney transplants for 2 different recipients

Organs / Tissues	Facility	Outcome	ANZDATA Registry Number	Recipient Surname	Given Name	Date of Operation	Additional Organs Received
Left Kidney		NA - Not Applicable					
Right Kidney		NA - Not Applicable					
Double/En-bloc Kidney	RADL	D - Double Adult	XXXXXX	Doe	John	01/03/2014	

Figure 60 - Example of a double adult kidney transplant

Organs / Tissues	Facility	Outcome	ANZDATA Registry Number	Recipient Surname	Given Name	Date of Operation	Additional Organs Received
Left Kidney		NA - Not Applicable					
Right Kidney		NA - Not Applicable					
Double/En-bloc Kidney	RADL	E - En Bloc	XXXXXX	Doe	John	01/03/2014	

Figure 61 - Example of en bloc kidney transplant, most en bloc kidneys are from paediatric donors

****Please note –When entering manually, either Liver or Split Liver (L)/ Split Liver (R) fields will populate accordingly ****

Liver	FMDC	T - Transplanted		Smith	Maggie	01/03/2014	
Split Liver (L)		NA - Not Applicable					
Split Liver (R)		NA - Not Applicable					

Figure 62 - Example of a liver transplant

Liver		NA - Not Applicable					
Split Liver (L)	RADL	T - Transplanted		Bond	James	01/03/2014	
Split Liver (R)	FMDC	T - Transplanted		Boop	Betty	02/03/2014	

Figure 63 - Example of 2 split liver transplants

****Please note –When entering manually, either Double Lung or Left/Right Lung fields will populate accordingly.****

Left Lung	RLPT	T - Transplanted		Boop	Betty	01/03/2014	
Right Lung	PRCH	T - Transplanted		Smith	John	01/03/2014	
Double Lung		NA - Not Applicable					

Figure 64 - Example of 2 lung transplants in 2 different recipients

Left Lung		NA - Not Applicable					
Right Lung		NA - Not Applicable					
Double Lung	PRCH	T - Transplanted		Doe	Jane	02/03/2014	

Figure 65 - Example of a double lung transplant

****Please note – Only one of either Pancreas or Pancreas Islets can have a usable outcome. When entering manually, the other option will populate accordingly.****

Pancreas	WEST	T - Transplanted		Bond	James	01/03/2014	
Pancreas Islets		NA - Not Applicable					

Figure 66 - Example of pancreas transplanted

Pancreas		NA - Not Applicable					
Pancreas Islets	RADL	R - Research					

Figure 67 - Example of pancreas islets for research

****Please note – Eyes, Musculoskeletal, Vessels and Skin should have an outcome of Stored, Research or Not Used.****

Eyes - Whole	SAEB	S - Stored (For Bone, Heart)					
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Figure 68 - Example of normal outcome for tissues - Stored

Additional Organs Received:

The 'Additional Organs Retrieved' column allows the user to easily identify and data enter multi organ recipients with ease.

****Please note – This column will automatically be populated during an XML transfer.****

Destination

Donor ID (EDR/One)	Date of Birth	Donor Status	Facility
Z01343	14/11/1972	Actual	WELLINGTON REGIONAL HOSPITAL
Donor Month	Gender	Donor Type	Record Status
Jan 2021	Female	DBD	Current

Organs / Tissues	Facility	Outcome	ANZDATA Registry Number	Recipient Surname	Given Name	Date of Operation	Additional Organs Received
Left Kidney	ACDL	200 - Transplanted		SMITH	JOHN	29/03/2021	Liver
Right Kidney							
Double/En-bloc Kidney		999 - Not Applicable					
Liver	ACDL	200 - Transplanted		SMITH	JOHN	29/03/2021	
Split Liver (L)		999 - Not Applicable					
Split Liver (R)		999 - Not Applicable					
Eyes - Whole							

Save Cancel

Figure 69 - Additional Organs Received column

To use the 'Additional Organs Retrieved' column, enter the entire row of data for the "primary" organ, this is likely to be a kidney, liver or heart.

Click the blank box located under the 'Additional Organs Received' heading, a drop down list of organs will appear.

Destination

Donor ID (EDR/One)	Date of Birth	Donor Status	Facility
201343	14/11/1972	Actual	WELLINGTON REGIONAL HOSPITAL
Donor Month	Gender	Donor Type	Record Status
Jan 2021	Female	DBD	Current

Organs / Tissues	Facility	Outcome	ANZDATA Registry Number	Recipient Surname	Given Name	Date of Operation	Additional Organs Received
Left Kidney	ACDL	200 - Transplanted				29/03/2021	<input type="text" value=""/> <ul style="list-style-type: none"> Liver Split Liver (L) Split Liver (R)
Right Kidney	AUCK	200					
Double-End-to-End Kidney		300 - Not Applicable					
Liver							
Split Liver (L)							
Split Liver (R)							
Eyes - Whole	NZHS	500					

Save Cancel

Figure 70 - Selecting from the Additional Organs Retrieved drop down box

Select the additional organ that the same recipient received, from the drop down list, this will then populate the same recipient data for the organ selected.

Organs / Tissues	Facility	Outcome	ANZDATA Registry Number	Recipient Surname	Given Name	Date of Operation	Additional Organs Received
Left Kidney	WEST	T - Transplanted		Doe	John	02/03/2014	Pancreas x
Right Kidney	RADL	T - Transplanted		Boop	Betty	01/03/2014	
Double/En-bloc Kidney		NA - Not Applicable					
Liver	FMDC	T - Transplanted		Jones	Bob	01/03/2014	
Split Liver (L)		NA - Not Applicable					
Split Liver (R)		NA - Not Applicable					
Heart	PRCH	T - Transplanted		Smith	Jane	02/03/2014	Double Lung x
Left Lung		NA - Not Applicable					
Right Lung		NA - Not Applicable					
Double Lung	PRCH	T - Transplanted		Smith	Jane	02/03/2014	
Pancreas	WEST	T - Transplanted		Doe	John	02/03/2014	
Pancreas Islets		NA - Not Applicable					

Figure 71 - Example of a Kidney-Pancreas recipient and a Heart-Double Lung recipient using the Additional Organs Retrieved column

Selecting the 'X' next to the organ description in the 'Additional Organs Received' column will remove the additional organ and clear the defaulted information.

When editing any transplant information in the "primary" organ row, this will automatically update the corresponding transplant information of any additional organs.

Use of the 'Additional Organs Received' column can accommodate more than one additional organ. For example a recipient may receive a kidney, liver and pancreas and would be entered as per the example below.

Organs / Tissues	Facility	Outcome	ANZDATA Registry Number	Recipient Surname	Given Name	Date of Operation	Additional Organs Received
Left Kidney	WEST	T - Transplanted		Doe	John	02/03/2014	Liver x Pancreas x
Right Kidney	RADL	T - Transplanted		Boop	Betty	01/03/2014	
Double/En-bloc Kidney		NA - Not Applicable					
Liver	WEST	T - Transplanted		Doe	John	02/03/2014	
Split Liver (L)		NA - Not Applicable					
Split Liver (R)		NA - Not Applicable					
Heart	PRCH	T - Transplanted		May	James	02/03/2014	
Left Lung		NA - Not Applicable					
Right Lung		NA - Not Applicable					
Double Lung	PRCH	T - Transplanted		Bond	James	02/03/2014	
Pancreas	WEST	T - Transplanted		Doe	John	02/03/2014	
Pancreas Islets		NA - Not Applicable					

Figure 72 - Example of a kidney-liver-pancreas recipient using the Additional Organs Received column.

Some common examples of multi organ combinations :

- Kidney – Pancreas
- Kidney – Liver – Pancreas
- Heart – Double Lung

Review and Submit:

****Please note – The Review and Submit page is for Registry staff only.****

When first entered, via the EDR upload or manual data entry, all data is held in a staging area. This allows Registry staff to complete a validation process prior to data submission to the final ANZOD database.

It will be during this validation period where users may be contacted by Registry staff to follow up any outstanding information.

Reports Tab:

This screen allows users to generate populated or blank ANZOD and cancer forms, run standardised reports and interrogate data using the Ad-hoc Report Builder.

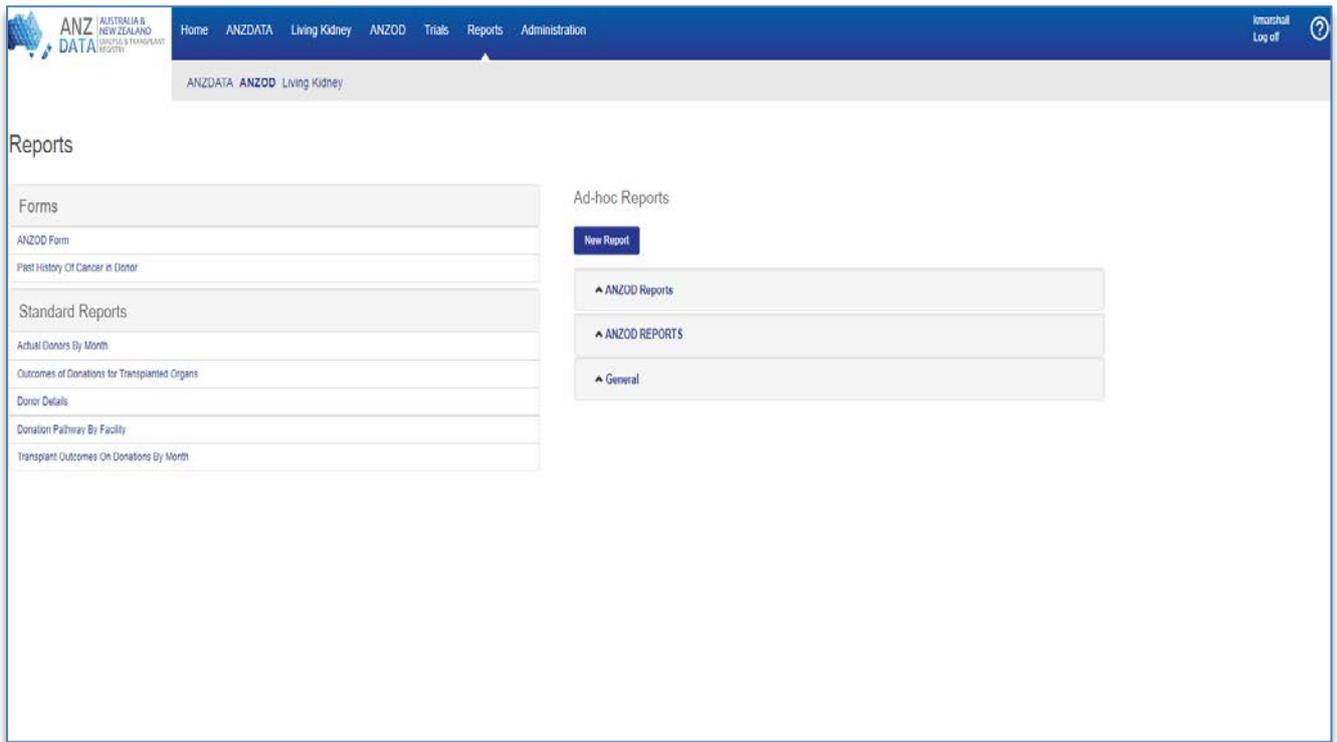


Figure 73 - Reports page

ANZOD Form:

****Required field(s) – Record Location.****

Users can generate a blank ANZOD Form or a populated form for a specified donor.

Blank copies of the ANZOD Form are also located on the ANZOD website at the following address - <http://www.anzdata.org.au/anzod/v1/dataforms.html>

To generate a blank form the user must specify 'ANZOD' from the drop down for the 'Record Location', whilst leaving all other fields blank.

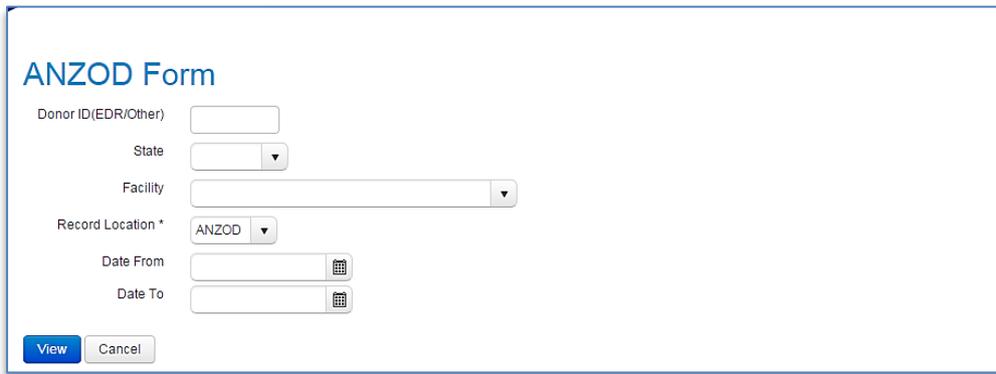


Figure 74 - Generating a blank ANZOD Form

Selecting 'View' will result in a pop-up at the bottom of the screen. The user can then open or save the blank ANZOD Form.

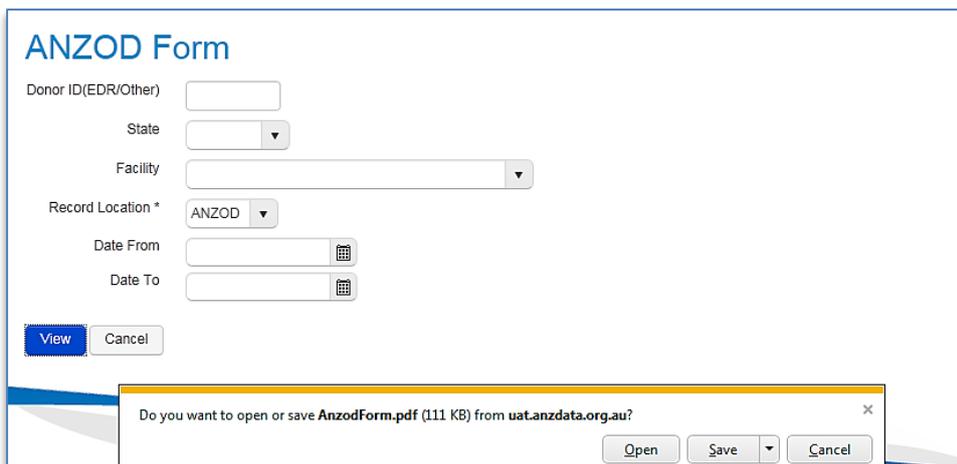


Figure 75 - Open or save the blank ANZOD Form from the pop-up

To generate a populated ANZOD Form with a specific donor's details, the user enters the 'Donor ID (EDR/Other)' and the 'Record Location'. The following 'Record Locations' should be used :

- **'ANZOD'** – if the status of the record is 'Current', 'Locked' or 'Finalised and Closed'.
- **'Staging'** – if the status of the record is 'Data Entry in Progress' or 'EDR Changes Pending'.



The screenshot shows the 'ANZOD Form' interface. It contains the following fields and controls:

- Donor ID(EDR/Other)**: Text input field containing 'S707070'.
- State**: Dropdown menu.
- Facility**: Dropdown menu.
- Record Location ***: Dropdown menu with 'ANZOD' selected.
- Date From**: Text input field with a calendar icon.
- Date To**: Text input field with a calendar icon.
- Buttons**: 'View' (blue) and 'Cancel' (grey).

Figure 78 - Generating a populated ANZOD Form

AUSTRALIA AND NEW ZEALAND ORGAN DONATION REGISTRY Version 1.0 2014014

DONOR DETAILS

DONOR ID (EDR/OTHER): S707070 GENDER: M HEIGHT (cms): 181 WEIGHT (kg): 80

DONOR STATUS: A (Actual) / B (Intended)

HOSPITAL AND STATE: RADLS

DATE OF BIRTH: 17/01/58

POSTCODE OF DONOR: 5000

HEART BEATING Y/N: Y

PAST MEDICAL HISTORY RISK FACTORS

DIABETES: N (No Diabetes) / Y (Type 1/2/Insulin Dependent)

PAST HISTORY OF TREATED HYPERTENSION: Y

SMOKING: F (Former) / N (Never) / U (Unknown)

PAST HISTORY OF CANCER: N

PAST HISTORY OF CANCER IN DONOR

Note: if more than 2 records, please use a separate cancer history form

Site of Cancer	Leave Blank	Histology	Date of Diagnosis	Treatment Types	Comments
				# Type Other	
				1	
				2	
				3	
				1	
				2	
				3	

AUTHORITY TO DONATE

Enrolled with Organ Donor Registry: RY (Registered as Recipient) / NY (Not Registered as Recipient)

Donor Specialist Contact with Donor Family: F

Driver's Licence: Y (Yes) / N (No) / U (Unknown)

Sought By (Refer Codes): 1 (Other)

DONOR MAINTENANCE (POST BRAIN DEATH OR PRE-DCD)

Mean Arterial Blood Pressure (MAP) < 50mm Hg: N

Adrenaline: N

Dobutamine: N

Dopamine: N

Insulin: Y

Methylprednisolone: Y

Noradrenaline: N

Triiodothyronine (T3): Y

Vasopressin: N

TERMINAL TREATMENT

Antibiotics: Y

Chlorpromazine: N

Fusidic Acid: N

Heparin: N

Marfanid: N

Methylprednisolone: Y

Nitroglycerin: N

Other: []

KIDNEY DONOR

Y (Yes) / N (No)

Admission Creatinine mmol/L: 63 (Initial) / 50 (Terminal)

Urea mmol/L: 10.30 (Initial) / 10.00 (Terminal)

Urine Output (ml/hr): 100

Procurement Biopsy Performed: N

Oliguria in last 12 hours < 20 ml/hr: N

Duration (Hours): 1.00

LIVER DONOR

Y (Yes) / N (No)

Alanine Aminotransferase (ALT)	Aspartate Aminotransferase (AST)	Gamma Glutamyl (GGT)	Alkaline Phosphatase (ALP)	Total Bilirubin
80	35	303	227	5

PANCREAS DONOR

Y (Yes) / N (No)

Maximum Blood Sugar Level > 8 mmol/L: Y

Normal Amylase or Lipase < 80 U/L: N

HEART DONOR

Y (Yes) / N (No)

Normal ECG: Y

If Echocardiogram Was Done: []

Normal Echocardiogram: Y (Yes) / N (No)

LUNG DONOR

Y (Yes) / N (No)

Bronchoscopy: Y

pH	PaO ₂	PaCO ₂	PEEP (cm)	FIO ₂ (%) oxygen con*
7.27	238	39.70	5	100

Chest Trauma: N

If Yes (Refer Codes): [] Other: []

DONOR - ACTUAL OR INTENDED

A-Actual Organ Donor: An organ donor is 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.

B-Intended Organ Donor: An intended organ donor is a person for whom the donation work was initiated as evidenced by both:
 1) Formal written consent undertaken, including consent for donation of specific organ/tissues, and
 2) Blood for tissue typing sent with allocation of a donor number, but donation did not proceed.

Figure 79 - Completed ANZOD form example- page 1

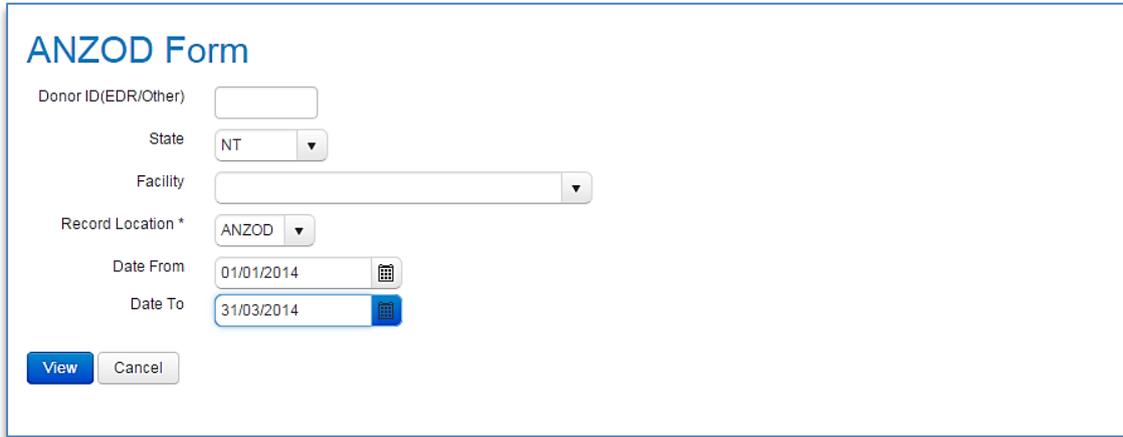
ORGANS / TISSUE	AUTHORITY SOUGHT FOR (Refer Codes)				ORGANS / TISSUES RETRIEVED (Refer Codes)				PRESERVATION				SOLUTION IN ORGAN AT STORAGE		Retrieval Team
	AUTHORITY SOUGHT Y/N	IF NO (Code)	OTHER REASON	AUTHORITY OBTAINED Y/N	RETRIEVED Y/N	IF NO (Code)	OTHER REASON	INITIAL	OTHER	SECOND	OTHER	Solution Code	OTHER		
DONOR ID (EDR/OTHER): S707070															
Left Kidney	11	Y		Y	Y			204		200		200			RADLS
Right Kidney	12	Y		Y	N	23	Surgical damage								
Liver	20	Y		Y	Y			204		200		200			AUST3
Heart	30	Y		Y	Y			207		213		207			PRCH4
Left Lung	41	Y		Y	Y			208		213		208			PRCH4
Right Lung	42	Y		Y	N	10									
Pancreas	50	Y		Y	Y			204		200		200			RADLS
Intestine	55	Y		Y	N	10									
Stomach-Intestines	56	Y		Y	N	10									
Eyes - Whole	100	Y		Y	Y			213		213		213			SAEB5
Eyes - Cornea Only	101	N	8				Eyes - Whole								
Musculoskeletal - Arm	103	Y		Y	N										
Musculoskeletal - Leg	104	Y		Y	N	22	No program								
Pelvic	105	N	8				Logistics								
Heart Valves	90	Y		Y	N	88									
Skin	102	N	4												
Vessels - Abdomen	107	N	8				Logistics								
Vessels - Thoracic	108	N	8				Logistics								
Vessels - Leg	109	N	8				Logistics								
Other (Specify)	99														
Other (Specify)	99														

ORGANS / TISSUES	HOSPITAL AND STATE	CODE	OUTCOME	RECIPIENT SURNAME	GIVEN NAME	REGISTRY NUMBER	DATE OF OPERATION	Multiple Organ Recipient
Left Kidney	11	WEST2	T	OTHER	Doe	John	02/03/2014	20, 58
Right Kidney	12							
Double/En-bloc Kidney	13							
Liver	20	WEST2	T	Do	John		02/03/2014	
Split Liver (L)	21		NA					
Split Liver (R)	22		NA					
Heart	30	PRCH4	T	Smith	Maggie		01/03/2014	
Left Lung	41	RLPF6	T	Boop	Bery		01/03/2014	
Right Lung	42							
Double Lung	40							
Pancreas	50	WEST2	T	Do	John		02/03/2014	
Pancreas Isles	51		NA					
Intestine	55							
Stomach-Intestines	56							
Eyes - Whole	100	SAEB5	S					
Eyes - Cornea Only	101							
Musculoskeletal - Arm	103							
Musculoskeletal - Leg	104							
Pelvic	105							
Heart Valves	90							
Skin	102							
Vessels - Abdomen	107							
Vessels - Thoracic	108							
Vessels - Leg	109							
Other (Specify)	99							
Other (Specify)	99							

COMMENTS:

Figure 80 - Completed ANZOD form example - page 2

Users can also generate populated forms, in bulk, for a specific donor facility, state and/or date range. This will generate forms for all donors from the facility, state or time specified. Time to generate the forms is dependent on the number of donors and may take some time.



The screenshot shows a web form titled "ANZOD Form" with the following fields and controls:

- Donor ID(EDR/Other):
- State: (dropdown menu)
- Facility: (dropdown menu)
- Record Location *: (dropdown menu)
- Date From: (calendar icon)
- Date To: (calendar icon)
- Buttons: and

Figure 81 - Generating populated ANZOD Forms for a donor facility

Past History of Cancer in Donor:

****Required field(s) – Record Location.****

Users can generate a blank Past History of Cancer in Donor Form or a populated form for a specified donor.

****Please note – Cancer data has now been incorporated into the ANZOD Form. A separate Past History of Cancer in Donor Form should only be used if there are more than 2 cancers for the donor, or for cancer only audit or research purposes.****

Blank copies of the Past History of Cancer in Donor Form are also located on the ANZOD website at the following address - <http://www.anzdata.org.au/anzod/v1/dataforms.html>

To generate a blank form the user must specify 'ANZOD' from the drop down for the 'Record Location', whilst leaving all other fields blank.



Past History Of Cancer In Donor

Donor ID(EDR/Other)

State

Facility

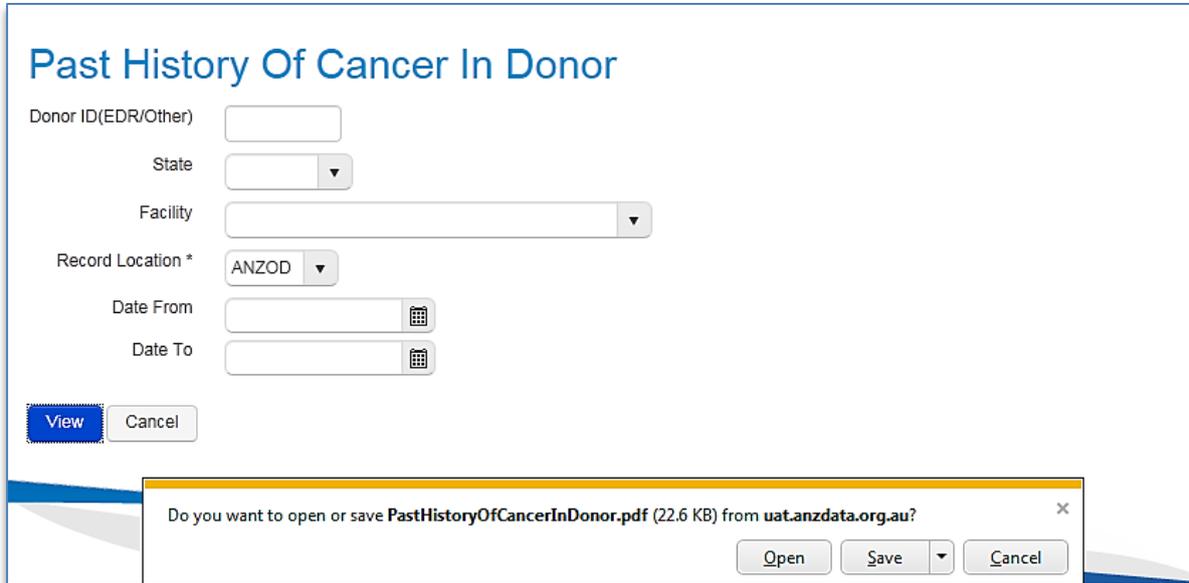
Record Location *

Date From

Date To

Figure 82 - Generating a blank Past History of Cancer in Donor Form

Selecting 'View' will result in a pop-up at the bottom of the screen. The user can then open or save the blank ANZOD Form.



The screenshot shows a web form titled "Past History Of Cancer In Donor". The form contains the following fields and controls:

- Donor ID(EDR/Other):
- State: ▼
- Facility: ▼
- Record Location *: ▼
- Date From:
- Date To:
- Buttons:

Below the form, a file save dialog is open, displaying the text: "Do you want to open or save PastHistoryOfCancerInDonor.pdf (22.6 KB) from uat.anzdata.org.au?". The dialog has three buttons: , ▼, and .

Figure 83 - Open or save the blank Past History of Cancer in Donor Form from the pop-up



**AUSTRALIA AND NEW ZEALAND
ORGAN DONATION REGISTRY**



Past History of Cancer in Donor

DONOR ID (EDR/OTHER)	Donor Hospital	Date of Birth
-------------------------	----------------	---------------

Do not enter Skin Cancers (SCC, BCC, solar keratosis, hyperkeratosis, Bowen's disease and keratoacanthoma)

If available, please **attach histology** results and delete donor name, but ensure date of birth and Donor Number is written on the results for identification

Site of Cancer (Write In)	Leave Blank (office use)	Histology (If Known)	Date of Diagnosis	Treatment Types			Comments
				#	Type	Other	
				1			
				2			
				3			
				1			
				2			
				3			
				1			
				2			
				3			
				1			
				2			
				3			

HISTOLOGY

1=Unknown
2=Squamous Cell Carcinoma (Scc)
3=Adenocarcinoma
4=Transitional Cell Ca (Tcc)
5=Lymphoma (Non Hodgkins)
6=Leukaemia (Specify Type)
7=Other (Specify)
8=Kaposi Sarcoma
9=Microglioma Of Brain (Please Forward Histological Report)
10=Multiple Myeloma
11=Hodgkin's Disease
12=Lymphoproliferative Disease (Please Forward Histological Report)
13=Melanoma

TYPE OF TREATMENT

1=None
2=Unknown
3=Surgery
9=Radiotherapy
10=Chemotherapy
13=Other (Specify)

Office use - ICD cancer topography

Figure 84 - Blank Past History of Cancer in Donor Form example

To generate a populated Past History of Cancer in Donor Form with a specific donor’s details, the user enters the ‘Donor ID (EDR/Other)’ and the ‘Record Location’. The following ‘Record Locations’ should be used :

- ‘ANZOD’ – if the status of the record is ‘Current’, ‘Locked’ or ‘Finalised and Closed’.
- ‘Staging’ – if the status of the record is ‘Data Entry in Progress’ or ‘EDR Changes Pending’.

Figure 85 - Generating a populated Past History of Cancer in Donor Form

Site of Cancer (Write In)	Leave Blank (office use)	Histology (if Known)	Date of Diagnosis	Treatment Types			Comments
				#	Type	Other	
Prostate, NOS	900	Adenocarcinoma	09/07/2007	1	10		
				2			
				3			

Figure 86 - Completed Past History of Cancer in Donor Form example

Users can also generate populated forms, in bulk, for a specific donor facility, state and/or date range. This will generate forms for all donors from the facility, state or time specified. Time to generate the forms is dependent on the number of donors and may take some time.



Past History Of Cancer In Donor

Donor ID(EDR/Other)

State

Facility

Record Location *

Date From

Date To

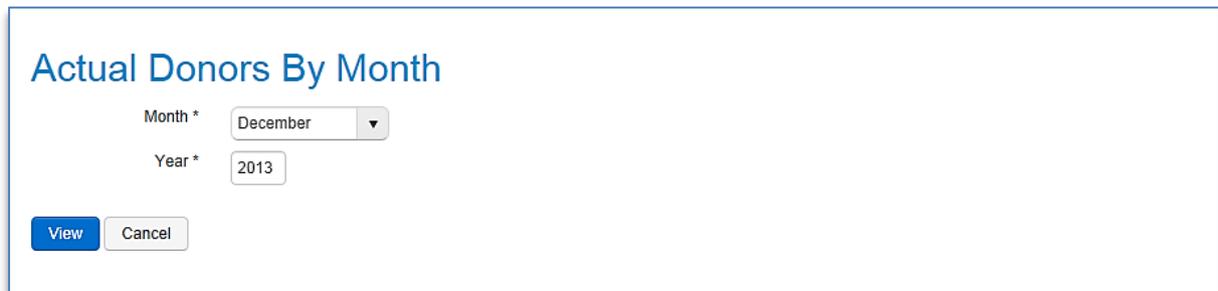
Figure 87 - Generating populated Past History of Cancer in Donor Forms for a donor facility

Actual Donors by Month:

****Required field(s) – Month; Year.****

Standardised reports can be run by users at any time and allows users to interrogate data to utilise for reporting, research or data reconciliation. The user will be limited to the data they can view, depending on their assigned jurisdiction, unless the report provides de-identified aggregate data by state or country.

Actual Donors by Month provides a cumulative incidence for actual donors, by month for the last several years for Australia and New Zealand. It also provides an up to date tally of the number of actual donors for the year, divided by month and jurisdiction.



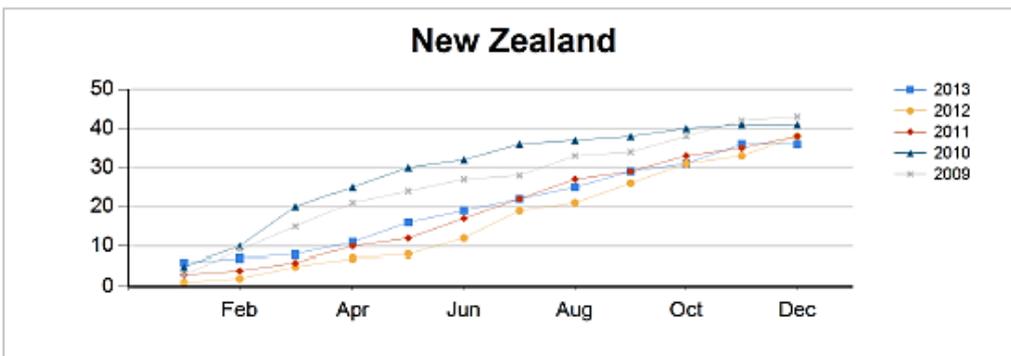
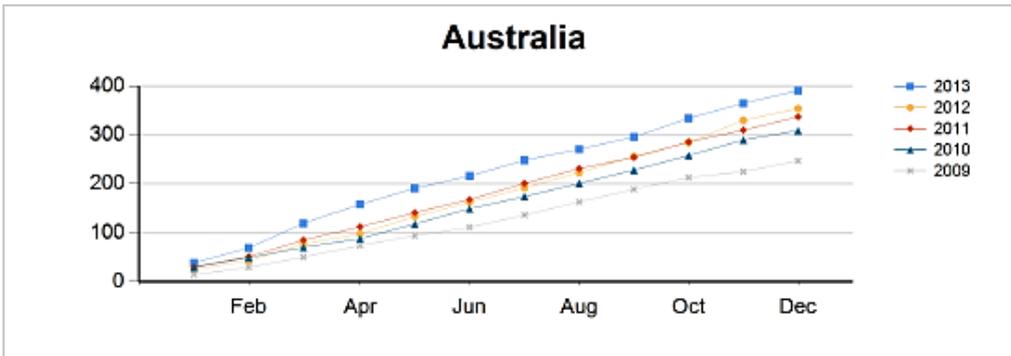
The screenshot shows a web form titled "Actual Donors By Month". It contains two required fields: "Month *" with a dropdown menu set to "December" and "Year *" with a text input field containing "2013". Below the fields are two buttons: a blue "View" button and a grey "Cancel" button.

Figure 88 - Parameters entered for the report : Actual Donors by Month



Actual Donors by Month

Actual Donors (Cumulative Incidence) per Month



Total Actual Deceased Donors

Number of donors	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
ACT	1	0	1	2	0	0	2	0	0	0	0	0
NSW	9	9	14	12	7	9	10	10	1	8	8	5
NT	0	0	0	2	1	0	1	0	0	1	2	0
QLD	5	2	16	4	10	5	3	2	7	8	9	6
SA	6	4	4	3	7	0	2	1	0	4	1	2
TAS	0	0	0	2	0	2	2	1	0	0	1	0
VIC	13	9	11	11	6	8	8	5	13	12	6	8
WA	4	7	4	3	2	1	4	4	4	5	4	5
Australia	38	31	50	39	33	25	32	23	25	38	31	26
NZ	6	1	1	3	5	3	3	3	4	2	5	0

Figure 89 - Actual Donors by Month report

Donation Outcomes:

****Required field(s) – State.****

The Donation Outcomes report provides a snapshot of data for a selected time period of the jurisdiction and Australia. Data includes aggregate figures summarising the number of donors, DCD donors, recipient data, organ data and DCD organ data.

The report can be run for a month, year or several years.

- **Reporting by Month**

Donation Outcomes

State:

Month:

Year:

Figure 90 - Parameters used to provide data of Donation Outcomes for a particular month

Donation Outcomes



Year	Mon	State	Actual Donors	Intended Donors	DCD Pathway	Total Recipients	Mean Recipients	Multi Organ Recipients	Total Organs	Mean Organs	Kidney	Liver	Heart	Lung	Pancreas	Pancreas Islets	Intestines	DCD Kidney	DCD Liver	DCD Lung	DCD Pancreas
2013	Jan	SA	6	0	1	23	3.8	1	24	4	12	5	3	3	1	0	0	2	1	0	0
2013	Jan	Aus	38	7	12	122	3.2	7	129	3.4	68	24	10	20	7	0	0	21	1	6	0

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Page 1 of 1

Figure 91 - Report outcome using Figure 92 parameters

- Reporting by Year

Donation Outcomes

State:

Month:

Year:

Figure 92 - Parameters used to provide data of Donation Outcomes for a particular year

Donation Outcomes

Year	Mon	State	Actual Donors	Intended Donors	DCD Pathway	Total Recipients	Mean Recipients	Multi Organ Recipients	Total Organs	Mean Organs	Kidney	Liver	Heart	Lung	Pancreas	Pancreas Islets	Intestines	DCD Kidney	DCD Liver	DCD Lung	DCD Pancreas
2013	Jan	SA	6	0	1	23	3.8	1	24	4	12	5	3	3	1	0	0	2	1	0	0
2013	Jan	Aus	38	7	12	122	3.2	7	129	3.4	68	24	10	20	7	0	0	21	1	6	0
2013	Feb	SA	4	1	0	10	2.5	2	12	3	4	3	3	0	2	0	0	0	0	0	0
2013	Feb	Aus	31	6	8	68	2.2	4	74	2.4	44	14	7	7	2	0	0	12	2	1	0
2013	Mar	SA	4	1	1	16	4	2	18	4.5	8	4	2	2	2	0	0	2	0	0	0
2013	Mar	Aus	50	6	16	125	2.5	3	129	2.6	76	24	7	19	3	0	0	29	2	3	0
2013	Apr	SA	3	0	0	8	2.7	0	8	2.7	3	3	1	1	0	0	0	0	0	0	0
2013	Apr	Aus	39	5	7	114	2.9	7	121	3.1	63	27	8	18	5	0	0	14	0	2	0
2013	May	SA	7	0	0	17	2.4	0	17	2.4	11	4	0	2	0	0	0	0	0	0	0
2013	May	Aus	33	7	5	93	2.8	0	94	2.8	53	23	5	13	0	0	0	8	1	2	0
2013	Jun	SA	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	Jun	Aus	25	3	5	77	3.1	1	78	3.1	44	18	5	11	0	0	0	10	1	2	0
2013	Jul	SA	2	1	0	7	3.5	0	7	3.5	4	2	0	0	0	1	0	0	0	0	0
2013	Jul	Aus	32	9	5	101	3.2	5	109	3.4	55	29	8	11	5	1	0	10	3	2	0
2013	Aug	SA	1	0	0	4	4	0	4	4	2	1	0	1	0	0	0	0	0	0	0
2013	Aug	Aus	23	6	6	62	2.7	3	65	2.8	38	12	1	12	2	0	0	12	0	3	0
2013	Sep	Aus	25	4	7	70	2.8	1	73	2.9	43	14	5	10	1	0	0	14	1	3	0
2013	Oct	SA	4	1	0	10	2.5	0	10	2.5	7	1	0	2	0	0	0	0	0	0	0

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Page 1 of 2

Figure 93 - Report outcome using Figure 94 parameters

- Reporting by State (Multiple Years)

Donation Outcomes

State:

Month:

Year:

Figure 94 - Parameters used to provide data of Donation Outcomes for a particular State (Multiple Years)

Donation Outcomes

Year	Mon	State	Actual Donors	Intended Donors	DCD Pathway	Total Recipients	Mean Recipients	Multi Organ Recipients	Total Organs	Mean Organs	Kidney	Liver	Heart	Lung	Pancreas	Pancreas Islets	Intestines	DCD Kidney	DCD Liver	DCD Lung	DCD Pancreas
1989	Jan	SA	2	0	0	5	2.5	0	5	2.5	4	1	0	0	0	0	0	0	0	0	0
1989	Jan	Aus	19	0	0	54	2.8	0	54	2.8	38	9	7	0	0	0	0	0	0	0	0
1989	Feb	SA	1	0	0	2	2	0	2	2	2	0	0	0	0	0	0	0	0	0	0
1989	Feb	Aus	19	0	0	50	2.6	2	52	2.7	36	8	5	2	1	0	0	0	0	0	0
1989	Mar	Aus	19	0	0	52	2.7	1	53	2.8	37	8	7	1	0	0	0	0	0	0	0
1989	Apr	SA	4	0	0	10	2.5	0	10	2.5	8	1	1	0	0	0	0	0	0	0	0
1989	Apr	Aus	23	0	0	62	2.7	2	64	2.8	43	10	9	0	2	0	0	0	0	0	0
1989	May	Aus	15	0	0	38	2.5	1	39	2.6	26	6	6	1	0	0	0	0	0	0	0
1989	Jun	SA	1	0	1	2	2	0	2	2	2	0	0	0	0	0	0	2	0	0	0
1989	Jun	Aus	18	0	1	51	2.8	1	52	2.9	34	8	9	0	1	0	0	2	0	0	0
1989	Jul	SA	1	0	0	2	2	0	2	2	2	0	0	0	0	0	0	0	0	0	0
1989	Jul	Aus	17	0	0	45	2.6	0	45	2.6	33	6	6	0	0	0	0	0	0	0	0
1989	Aug	SA	1	0	0	2	2	0	2	2	2	0	0	0	0	0	0	0	0	0	0
1989	Aug	Aus	13	0	1	34	2.6	2	36	2.8	26	3	5	1	1	0	0	2	0	0	0
1989	Sep	SA	1	0	0	2	2	0	2	2	2	0	0	0	0	0	0	0	0	0	0
1989	Sep	Aus	15	0	0	43	2.9	1	44	2.9	28	7	8	1	0	0	0	0	0	0	0
1989	Oct	SA	2	0	0	7	3.5	0	7	3.5	4	1	2	0	0	0	0	0	0	0	0
1989	Oct	Aus	31	0	0	94	3	6	100	3.2	61	18	15	5	1	0	0	0	0	0	0

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Page 1 of 29

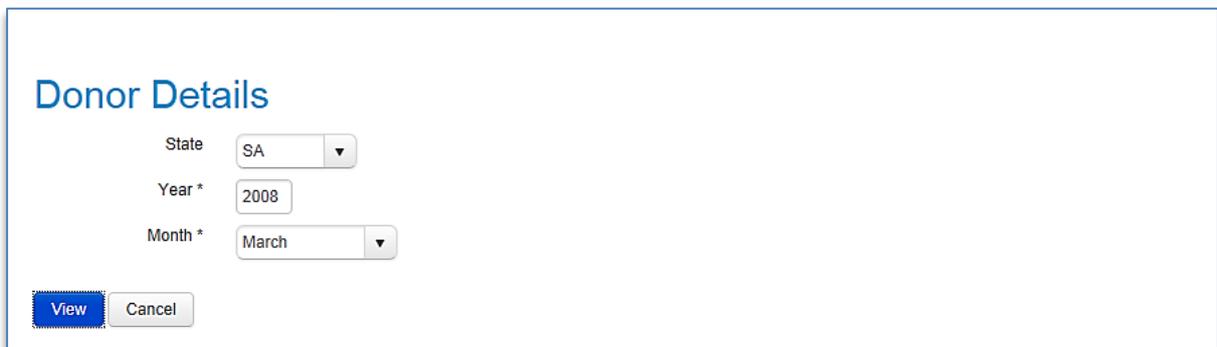
Figure 95 - Report outcome using Figure 96 parameters

Donor Details:

****Required field(s) – State; Month; Year****

The Donor Details report provides summary information of all donors for the selected time period. Format is similar to the monthly reconciliation sent out by ANZOD for each jurisdiction to crosscheck to ensure data integrity.

Circulation of this reconciliation document will be phased out by ANZOD and jurisdiction-run reports, using Donor Details, will be phased in. This allows system administrators or users to crosscheck data at any time as they no longer need to wait for ANZOD to circulate the documentation. This means the report can be accessed multiple times and could help ease the burden of reconciliation by crosschecking more often with a smaller dataset.



The screenshot shows a web form titled "Donor Details". It contains three input fields: "State" with a dropdown menu showing "SA", "Year *" with a text input field containing "2008", and "Month *" with a dropdown menu showing "March". Below these fields are two buttons: "View" (highlighted in blue) and "Cancel".

Figure 96 - Parameters entered for the report : Donor Details



Donor Details

Report Parameters: Year: 2008 Month: Mar State: SA

Year	Month	State	Intended Donors	Actual Donors	Transplanted Organs	Transplant Recipients
2008	Mar	SA	0	3	6	6
2008	Mar	Australia	0	19	63	63

Donor ID (EDR/Other)	Donor Facility	Donor Status	Pathway	Date Of Birth	Gender	Death Date	Destination State	Destination Facility	Organ	Outcome
S00101	[REDACTED]	Actual	[REDACTED]	21/06/1932	F	06/03/2008			Left Kidney	Not Used (Specify) - UNKNOWN REASON
							VIC	RMBH	Right Kidney	T
							SA	QEZB	Pancreas	R
							QLD	PSAH	Cornea (L)	T
							QLD	PSAH	Cornea (R)	T
S00105	[REDACTED]	Actual	[REDACTED]	04/05/1923	F	07/03/2008	NSW	RNSH	Left Kidney	T
									Right Kidney	Not Used (Specify) - UNKNOWN REASON
S00106	[REDACTED]	Actual	[REDACTED]	10/11/1945	F	16/03/2008	SA	QEZB	Left Kidney	T
							QLD	PSAH	Right Kidney	T
							VIC	ALFD	Heart	T

Figure 97 - Report outcome using Figure 98 parameters

Donation Pathway by Facility:

****Required field(s) – State; Year; Month.****

Donation Pathway by Facility provides an aggregate number of Actual/Intended and DCD/DBD donors per hospital for each jurisdiction.

Donation Pathway By Facility

State:

Year*:

Month*:

Donor Status*:

Pathway*:

Figure 98 - Parameters entered for the report : Donation Pathway by Facility



Donation Pathway by Facility

Report Parameters: Year: 2010, Month: Sep, State: NSW, Donor Status: Actual, Pathway: DBD

Year	Month	State	Facility	Donor Status	Pathway	Number
2010	Sep	NSW	John Hunter Hospital	Actual	DBD	1
			Lismore Hospital	Actual	DBD	1
			Royal Prince Alfred Hospital	Actual	DBD	1
			St George Hospital	Actual	DBD	2
			Tamworth Hospital	Actual	DBD	1
						6
				Grand Total		6

Figure 99 - Report outcome using Figure 100 parameters

Donation Pathway By Facility

State:

Year *:

Month *:

Donor Status *:

Pathway *:

Figure 100 - Parameters entered for the report : Donation Pathway by Facility



Donation Pathway by Facility

Report Parameters: Year: 2010, Month: Mar, State: VIC, Donor Status: Intended, Pathway: DCD

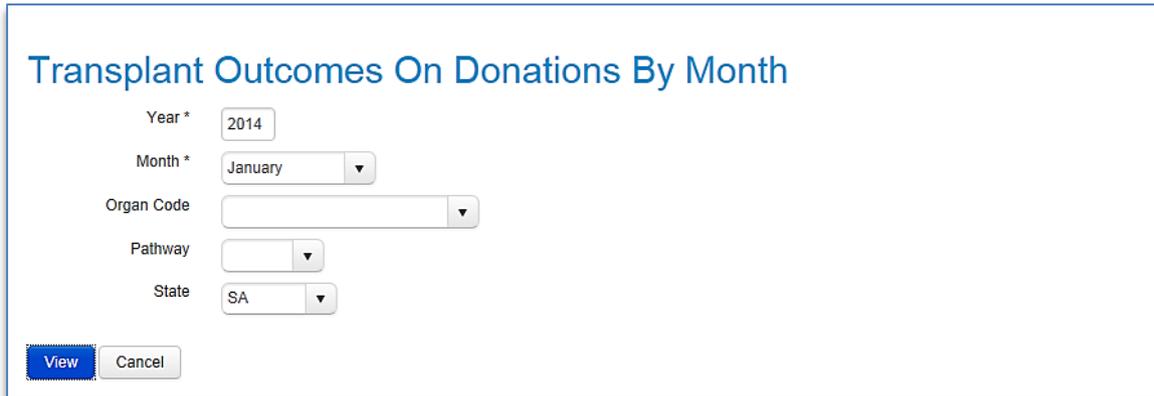
Year	Month	State	Facility	Donor Status	Pathway	Number
2010	Mar	VIC	Alfred Hospital	Intended	DCD	1
			Royal Melbourne Hospital	Intended	DCD	1
						2
Grand Total						2

Figure 101 - Report outcome using Figure 102 parameters

Transplant Outcomes of Donations by Month:

****Required field(s) – Year; Month; State.****

The Transplant Outcomes of Donations by Month report provides summary information on organs transplanted and destination information such as state, facility and recipient.



Transplant Outcomes On Donations By Month

Year * 2014

Month * January

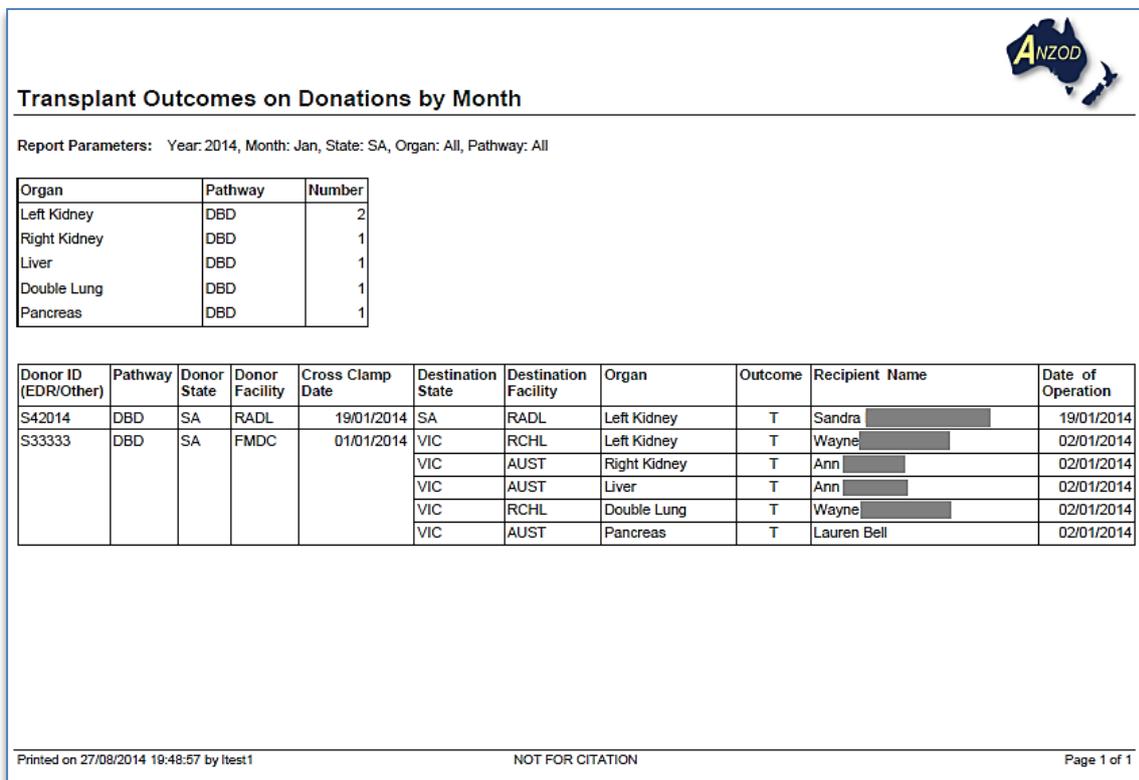
Organ Code

Pathway

State SA

View Cancel

Figure 102 - Parameters entered for the report : Transplant Outcomes of Donations by Month



Transplant Outcomes on Donations by Month

Report Parameters: Year: 2014, Month: Jan, State: SA, Organ: All, Pathway: All

Organ	Pathway	Number
Left Kidney	DBD	2
Right Kidney	DBD	1
Liver	DBD	1
Double Lung	DBD	1
Pancreas	DBD	1

Donor ID (EDR/Other)	Pathway	Donor State	Donor Facility	Cross Clamp Date	Destination State	Destination Facility	Organ	Outcome	Recipient Name	Date of Operation
S42014	DBD	SA	RADL	19/01/2014	SA	RADL	Left Kidney	T	Sandra [REDACTED]	19/01/2014
S33333	DBD	SA	FMDC	01/01/2014	VIC	RCHL	Left Kidney	T	Wayne [REDACTED]	02/01/2014
					VIC	AUST	Right Kidney	T	Ann [REDACTED]	02/01/2014
					VIC	AUST	Liver	T	Ann [REDACTED]	02/01/2014
					VIC	RCHL	Double Lung	T	Wayne [REDACTED]	02/01/2014
					VIC	AUST	Pancreas	T	Lauren Bell	02/01/2014

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Figure 103 - Report outcome using Figure 104 parameters

Transplant Outcomes On Donations By Month

Year *

Month *

Organ Code

Pathway

State

Figure 104 - Parameters entered for the report : Transplant Outcomes of Donations by Month



Transplant Outcomes on Donations by Month

Report Parameters: Year: 2011, Month: Sep, State: SA, Organ: Liver, Pathway: DBD

Organ	Pathway	Number
Liver	DBD	1

Donor ID (EDR/Other)	Pathway	Donor State	Donor Facility	Cross Clamp Date	Destination State	Destination Facility	Organ	Outcome	Recipient Name	Date of Operation
S00853	DBD	SA	RADL	02/09/2011	SA	FMDC	Liver	T	Jeffrey [REDACTED]	02/09/2011

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Figure 105 - Report outcome using Figure 106 parameters

Ad-hoc Reports:

Ad-hoc reports allow a user to filter and/or sort data from the entire ANZOD database to obtain a desired dataset and interrogate as required.

Select 'New Report' to begin report building.

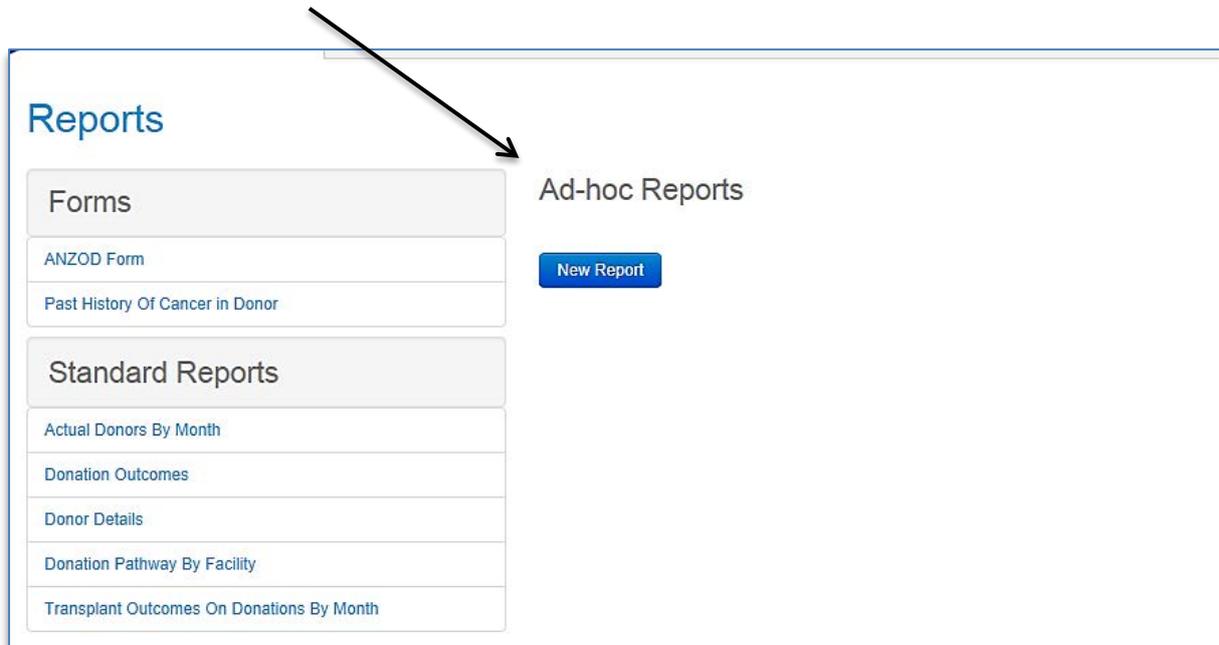


Figure 106 - Generating a new ad-hoc report

Users can then select which data they wish to interrogate further. Data will be grouped by a “folder” name (eg. ‘ANZOD Donors’ and ‘ANZOD Organs’). Opening the “folder” will show initial datasets for interrogation. ANZOD staff will work with individual users and jurisdictions to generate any initial datasets that may be required.

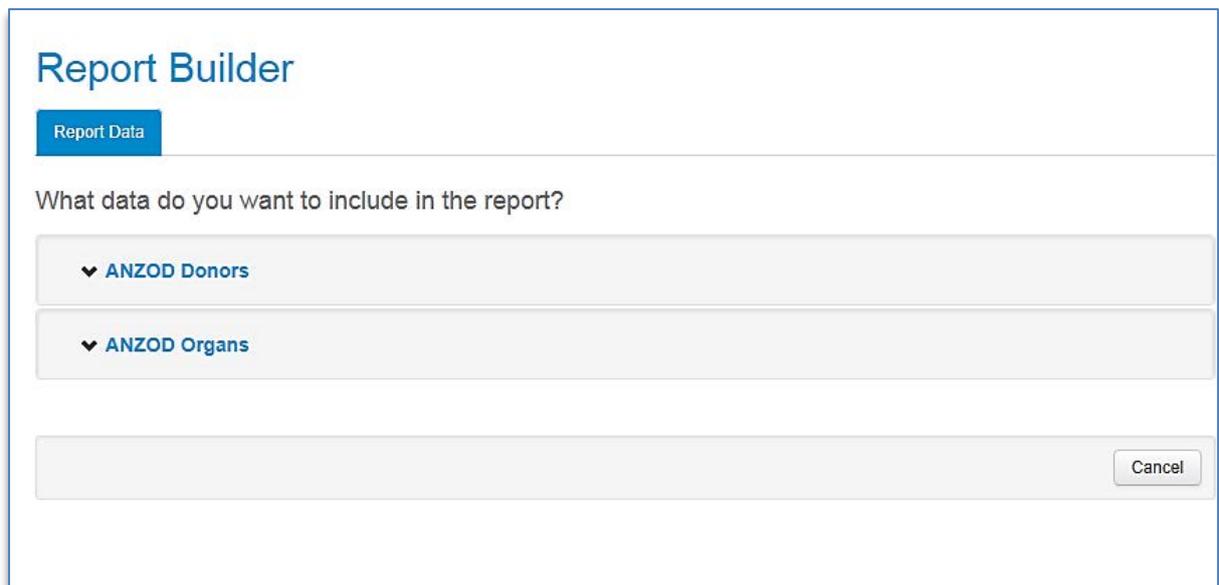


Figure 107 - Initial data selection, folder view

Hovering over an initial dataset will show information detailing exactly what data is available to assist users in identifying the best dataset to interrogate.

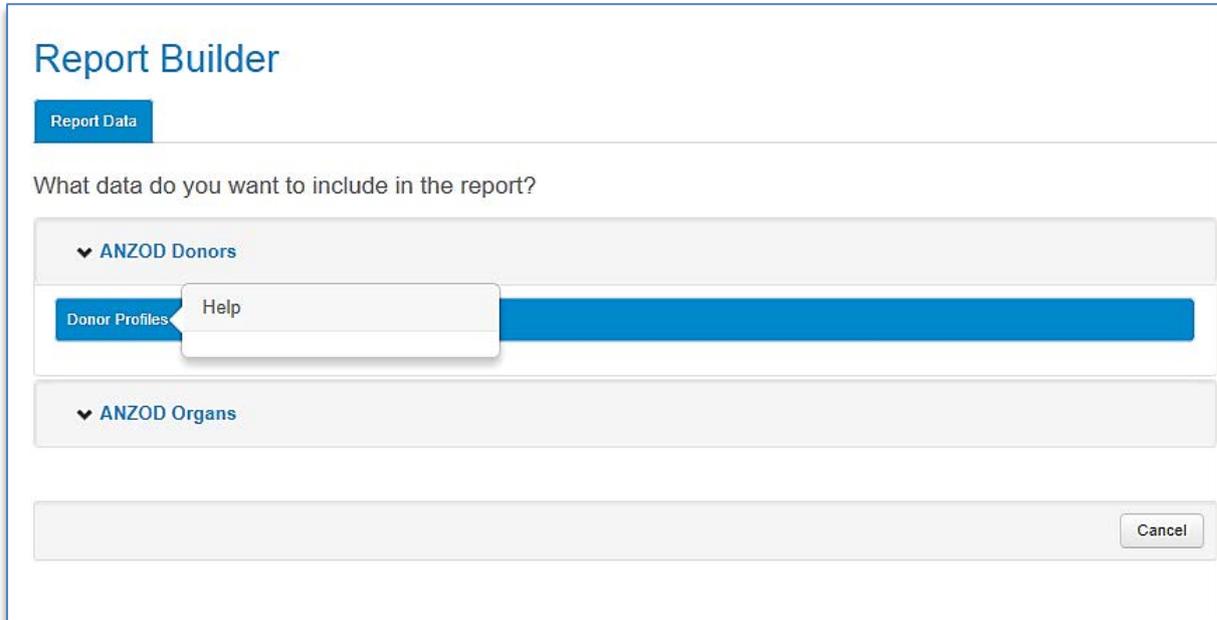


Figure 108 - A pop up will provide additional information of the initial dataset

Once the required initial dataset is selected, the user will then be prompted to add conditions to filter the report results.

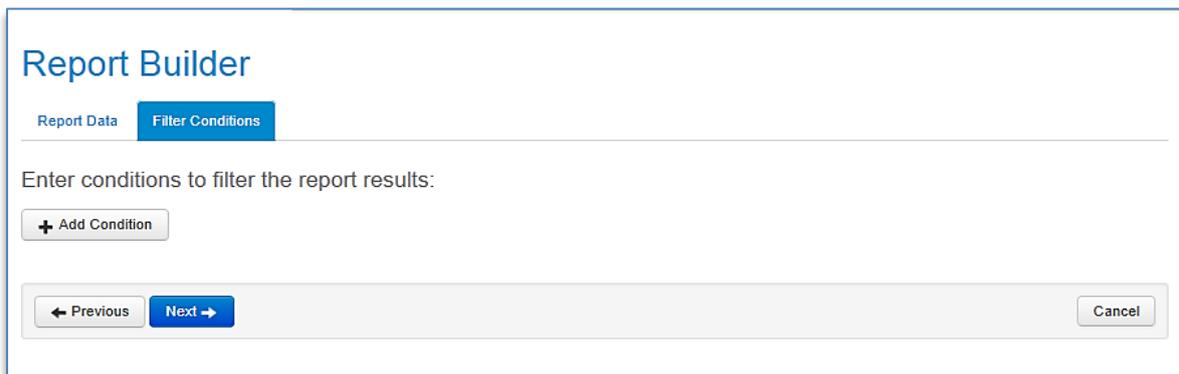


Figure 109 - Filter conditions page

Multiple conditions can be added to interrogate the data. Select 'Remove Condition' to delete the corresponding filter from the dataset. Selecting 'Next' will apply the filters and tabulate data.

Report Builder

Report Data
Filter Conditions

Enter conditions to filter the report results:

Match records on ALL ▼ of the following conditions:

Column Name	Condition Type	Condition Value	
FacilityCode ▼	Equals ▼	RADL	✕ Remove Condition
DonorYear ▼	Greater Than or Equal To ▼	2010	✕ Remove Condition

+ Add Condition

← Previous
Next →
Cancel

Figure 110 - Multiple filters can be added to the dataset at one time

The 'Report Results' tab views the selected dataset, allows users to manipulate data further, export the data in a CSV or Excel file and save the report.

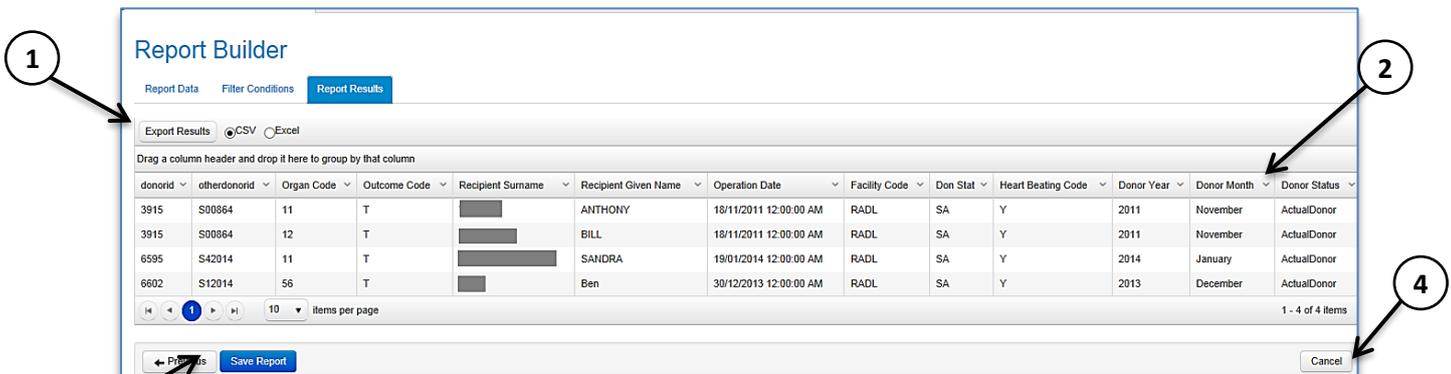


Figure 111 - Online results utilising the Report Builder

- 1 – 'Export Results'**
 Allows data generated to be exported by the user, in a CSV or Excel file.
- 2 – 'Drop Down Arrow'**
 A drop down menu for each column can be selected using the drop down arrow. This provides additional functionality such as sorting, addition or removal of columns of data viewed online and exported and ability to filter further (this function is further discussed on page 42). Users can also navigate back to the 'Filter Conditions' screen
- 3 – 'Save Report'**
 Saves the report results (this function is further discussed on page 44).
- 4 – 'Cancel'**
 Selecting 'Cancel' will abandon the current report and return the user to the 'Reports' page.

Drop Down Arrow:

Once results are viewed each column can be further manipulated by using the drop down button.

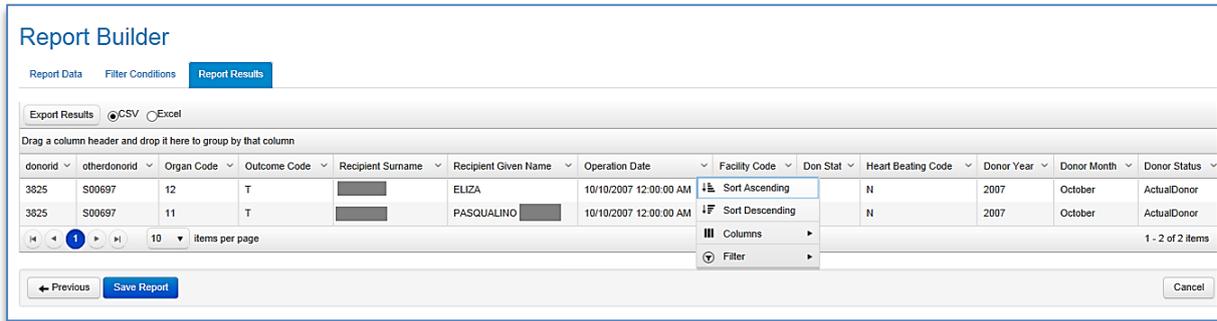


Figure 112 - Drop down menu

- **'Sort Ascending'**
Will sort the selected column in ascending order.
- **'Sort Descending'**
Will sort the selected column in descending order.
- **'Columns'**
Allows the user to select or deselect columns from the online view and results that will be exported.

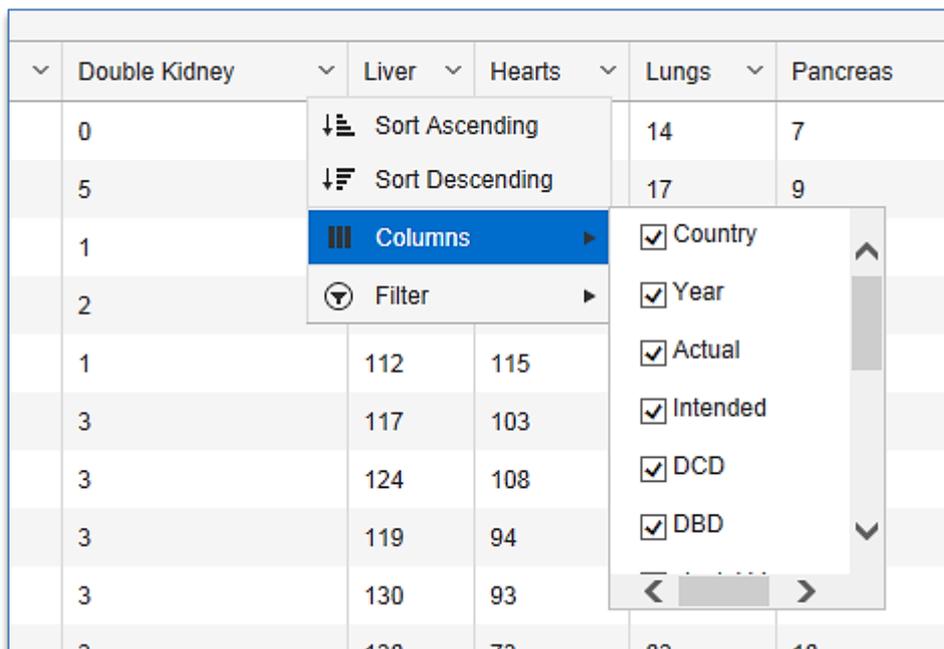


Figure 113 - Example of selecting and deselecting columns from the drop down button

- **'Filter'**
Allows the user to filter the data further.

▼	Double Kidney	▼	Liver	▼	Hearts	▼	Lungs	▼	Pancreas	▼
	0						14		7	
	5						17		9	
	1						37		8	
	2									
	1		112		115					
	3		117		103					
	3		124		108					
	3		119		94					
	3		130		93					
	3		138		73					

Sort Ascending

Sort Descending

Columns ▶

Filter ▶

Show items with value that:

Is equal to ▼

And ▼

Is equal to ▼

Filter Clear

Figure 114 - Example of filtering data using the drop down button

Save Report:

A user can save report results for review later, or to re-run with additional data.

Report Builder

Report Data Filter Conditions **Report Results**

Export Results CSV Excel

Drag a column header and drop it here to group by that column

Other Donor Id	Donor Type Code	Facility Code	Gender Code	Height	Weight	Racial Ethnic Origin	Religion	Occupation
D14-0002	B	RCHL	M	145	55	Oceanian - Australian	No Religion No Religion	Outside Labour For
D14-0006	B	ALFD	F	150	50	South-East Asian - Vietnamese	Buddhism Buddhism	In Labour Force - Pi
D14-0028	B	RMBH	M	160	58	South-East Asian - Vietnamese	Buddhism Buddhism	Outside Labour For Unemployed
D14-0036	B	ALFD	F	160	55	Oceanian - Australian	Unknown	In Labour Force - C Personal Server Wc
D14-0057	B	ALFD	F	172	80	Oceanian - Australian	Unknown	Outside Labour For wife/husband
D14-0073	B	ALFD	M	184	115	Oceanian - Australian	Christianity Catholic	Outside Labour For Pensioner
D14-0095	B	RMBH	F	168	96	Oceanian - Australian	Christianity Catholic	In Labour Force - Pi
D14-0101	B	AUST	M	176	70	Oceanian - Australian	Christianity Other Christian	In Labour Force - Tr And Trades Worker
D14-0117	B	MDAH	F			Oceanian - Australian	Unknown	Outside Labour For Pensioner
D14-0121	B	RMBH	M	167	100	Oceanian - Australian	Unknown	Outside Labour For

10 items per page

Figure 115 - Saving report results

When selecting 'Save Report' the user will be prompted for a report name, menu folder (pre-existing or new) and a selection of who can run the report.

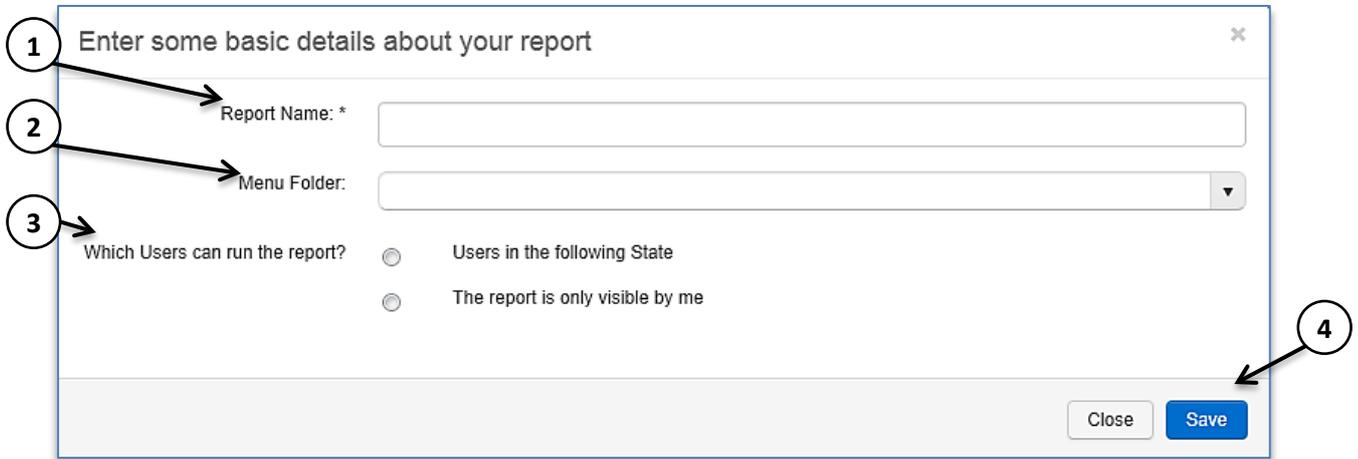


Figure 116 - Report details

- **1 – ‘Report Name’**
The name of the report as selected by the user.
- **2 – ‘Menu Folder’**
Allows reports to be grouped together in existing folders by selecting from the drop down menu, or allows the user to create a new folder by typing in a new folder name.
- **3 – ‘Which users can run the report?’**
Provides the ability for other donor coordinators or team members in the same jurisdiction to run the report generated by another user. Alternatively the user can save the report so that it is only accessible by them.
- **4 – ‘Save’**
Saves the report. The report and/or the report menu will now appear when the user returns to the ‘Reports’ page.

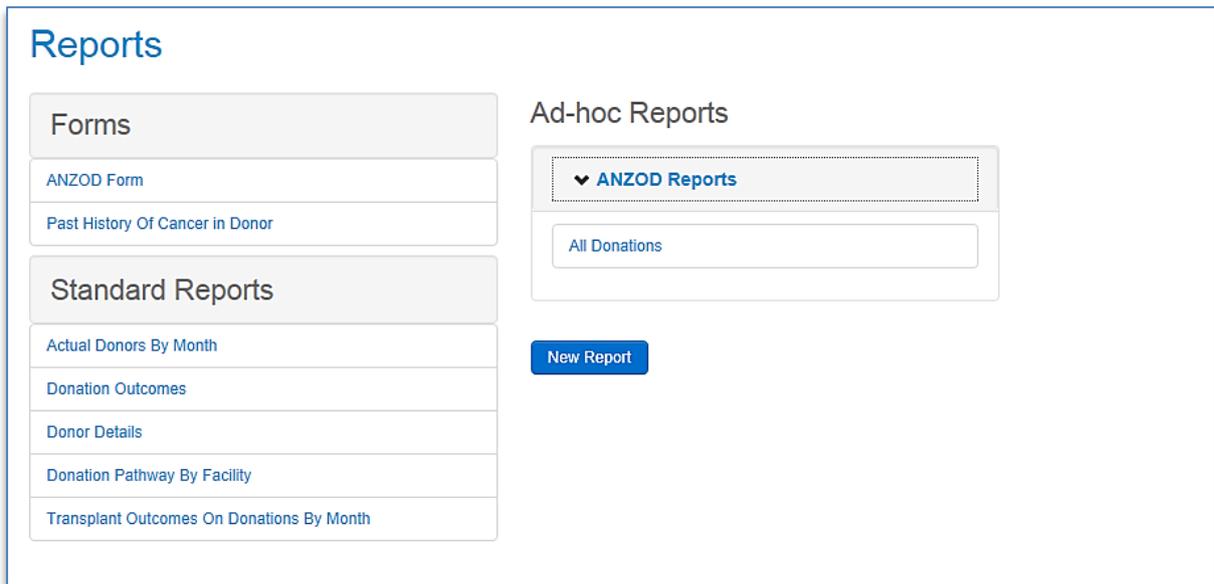


Figure 117 - A report (All Donations) saved within a menu folder (ANZOD Reports)

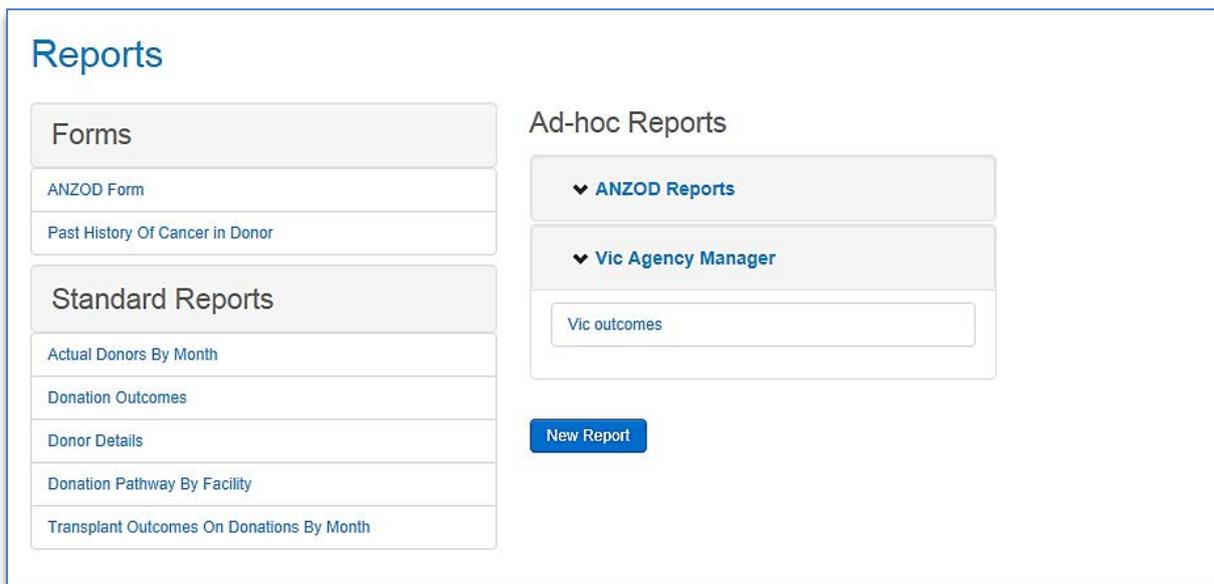


Figure 118 - A new report (Vic Outcomes) saved within a newly generated menu folder (Vic Agency Manager)

****Please note – A user can modify their own reports only.
 Modifying a saved report will overwrite the original report.****

Appendix 1 – ANZOD Code Tables:

This appendix provides codes and descriptions for those fields within the ANZOD data entry web application and the associated ANZOD paper based data collection form.

Codes and descriptions coincide with the 2014 introduction of the national Electronic Donor Record (EDR) system.

Electronic versions of this document can be located at our website at the following address :-

<http://www.anzdata.org.au/anzod/v1/dataforms.html>

Donor Details

Gender:

Gender	
Code	Description
F	Female
I	Intersex
M	Male
U	Unknown

Donor Status:

Donor Status	
Code	Description
A	Actual
B	Intended
C	Intended - DBD planned pathway
D	Intended - DCD planned pathway
E	Intended - not determined pathway

Organ Donor Classification Definition :-

Actual Organ Donor -

An organ donor is 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.

Intended Organ Donor -

An intended organ donor is a person for whom the donation work was initiated as evidenced by both:

- 1) Formal written consent undertaken, including consent for donation of specific organ+/-tissues, and
- 2) Blood for tissue typing sent with allocation of a donor number; but donation did not proceed.

Racial/Ethnic Origin:

Racial / Ethnic Origin	
Code	Description
1101	Oceanian - Australian
1102	Oceanian - Australian Aboriginal
1103	Oceanian - Australian South Sea Islander
1104	Oceanian - Torres Strait Islander
1201	Oceanian - Maori
1202	Oceanian - New Zealander
1300	Oceanian - Melanesian And Papuan (Specify)
1400	Oceanian – Micronesian (Specify)
1500	Oceanian – Polynesian (Specify)
2000	North-West European (Specify)
3000	Southern And Eastern European (Specify)
3103	Southern And Eastern European - Italian
3205	Southern And Eastern European - Greek
4000	North African And Middle Eastern (Specify)
4100	North African And Middle Eastern - Arab (Specify)
4907	North African And Middle Eastern - Turkish
5000	South-East Asian (Specify)
5107	South-East Asian - Vietnamese
5201	South-East Asian - Filipino
5202	South-East Asian - Indonesian
5205	South East Asian - Malay
6000	North - East Asian (Specify)
6101	North - East Asian - Chinese
7000	Southern And Central Asian (Specify)
7106	Southern And Central Asian - Indian
8100	North American (Specify)
8200	South American (Specify)
8300	Central American (Specify)
8400	Caribbean Islander (Specify)
9000	Sub-Saharan African (Specify)
9999	Other (Specify)

****Please refer to ANZOD Code Tables Appendix 1 for hierarchical structure based on the 1249.0 Australian Standard classification of Cultural and Ethnic Groups, Second Edition, 2011 (released on 16 August 2011).**

State:

State	
Code	Description
1	NT
2	NSW
3	VIC
4	QLD
5	SA
6	WA
7	TAS
8	NZ
9	ACT

Religion:

Religion	
Code	Description
101	Buddhism
201	Christianity Anglican
203	Christianity Baptist
205	Christianity Brethren
207	Christianity Catholic
211	Christianity Churches Of Christ
213	Christianity Jehovah's Witness
215	Christianity Latter-Day Saints
217	Christianity Lutheran
221	Christianity Oriental Orthodox
222	Christianity Assyrian Apostolic
223	Christianity Eastern Orthodox
225	Christianity Presbyterian And Reformed
227	Christianity Salvation Army
231	Christianity Seventh-Day Adventist
24	Christianity Pentecostal
28	Christianity Other Protestant
29	Christianity Other Christian
301	Hinduism
401	Islam
501	Judaism
601	Other Religions Australian Aboriginal Traditional Religions
603	Other Religions Baha'i
605	Other Religions Chinese Religions
607	Other Religions Druse
611	Other Religions Japanese Religions
613	Other Religions Nature Religions
615	Other Religions Sikhism
617	Other Religions Spiritualism
699	Other Religions Miscellaneous Religions (Specify)
701	No Religion
800	Unknown

Occupation:

Occupation	
Code	Description
1	In Labour Force - Managers
2	In Labour Force - Professionals
3	In Labour Force - Technicians And Trades Workers
4	In Labour Force - Community And Personal Server Workers
5	In Labour Force - Clerical And Administrative Workers
6	In Labour Force - Sales Workers
7	In Labour Force - Machinery Operators And Drivers
8	In Labour Force - Labourers
9	Other (Specify)
0999-10	Outside Labour Force - Student
0999-20	Outside Labour Force - Child/Baby
0999-30	Outside Labour Force - Invalid Pensioner
0999-40	Outside Labour Force - Other Pensioner
0999-50	Outside Labour Force - House wife/husband
0999-60	Outside Labour Force - Retired
0999-70	Outside Labour Force - Unemployed

Death Factors / Cause of Death:

Death Factors / Cause of Death	
Code	Description
1	Intracranial Haemorrhage
2	Traumatic Brain Injury
3	Cerebral Infarct
4	Cerebral Hypoxia / Ischaemia
5	Other Neurological Condition
6	Non-Neurological Condition

Circumstances Leading to Death:

Circumstances Leading to Death	
Code	Description
11	MVA
12	MBA
13	Cyclist
14	Pedestrian
21	Fall
23	Gunshot
31	Spontaneous Subarachnoid Haemorrhage
32	Spontaneous Intracranial Haemorrhage
33	Cerebral Infarct
34	Hypoxia (Specify)
35	Cerebral Oedema (Specify)
40	Cerebral Tumour (Specify)
50	Drowning
52	Hanging
60	Other (Specify)

Past Medical History, Risk Factors

Diabetes:

Diabetes	
Code	Description
N	No Diabetes
P	Type II (Non Insulin Or Insulin Requiring)
T	Type I (Insulin Dependent)

Smoking:

Smoking	
Code	Description
C	Current
F	Former
N	Never

Past History of Hypertension:

Hypertension	
Code	Description
Y	Yes
N	No
U	Unknown

Cancer:

Please choose from the drop down options available in the web application or alternatively write in the description of the cancer site, as well as the histology description and treatment type(s) on the ANZOD paper form.

Histology:

Histology	
Code	Description
1	Unknown
2	Squamous Cell Carcinoma (SCC)
3	Adenocarcinoma
4	Transitional Cell (TCC)
5	Lymphoma (Non Hodgkins)
6	Leukaemia (Type)
7	Other (Specify)
8	Kaposi Sarcoma
9	Microglioma of Brain
10	Multiple Myeloma
11	Hodgkin's Disease
12	Lymphoproliferative Disease
13	Melanoma

****Please refer to ANZOD Cancer Code tables for exhaustive list of cancer category and cancer site codes**

Type of Treatment:

Treatment	
Code	Description
1	None
2	Unknown
3	Surgery
9	Radiotherapy
10	Chemotherapy
13	Other (Specify)

Hepatitis and Other Virology

Results	
Code	Description
1	Positive
2	Negative
3	Not Done
4	Unknown
5	Indeterminate
6	Pending

Authority to Donate

Enrolled with Organ Donor Registry:

Enrolled with Registry	
Code	Description
NA	Not Accessed
NR	Not Registered
RN	Registered As No
RY	Registered As Yes

Donor Specialist Contact with Family:

Donor Specialist Contact	
Code	Description
F	Face To Face
N	None
T	Telephone

Driver's Licence:

Driver's Licence	
Code	Description
Y	Yes
N	Not Registered
S	Not Applicable
U	Unknown

Authority Sought By:

Sought By	
Code	Description
1	Donation Specialist
2	ICU Consultant
3	ICU Trainee Eg Registrar
4	Social Worker
5	Other (Specify)
6	Family
7	Nursing Staff

Medications

Medication Yes /No:

*Medications code table utilised for both donor maintenance and terminal treatment

Donor Maintenance (Post Brain Death or Pre-DCD) and Terminal Treatment	
Code	Description
1	Dopamine
2	Vasopressin
3	Adrenaline
4	Dobutamine
5	Noradrenaline
6	Insulin
7	Nitroprusside
8	Levothyroxine
9	Mannitol
11	Methylprednisolone
12	Triiodothyronine (T3)
13	Antibiotics
14	Enteral Nutrition
15	Parenteral Nutrition
16	Heparin
17	Frusemide
18	T4 (Thyroxine)
19	Chlorpromazine
20	Other Vasodilator
25	DDAVP
27	Amiodarone
28	Amlodipine
29	Esmolol
30	Fentanyl
31	GTN
32	Hydralazine
33	Hydrocortisone
34	Levetriacetam
35	Metaraminol
36	Midazolam
37	Morphine
38	Propofol
39	Rocuronium
40	Metaraminol
99	Other (Specify)

Organ Data

Lung Donor – Chest Trauma:

Chest Trauma	
Code	Description
1	Pneumothorax
2	Chest Drain
3	Other (Specify)

Organ / Tissue List

Organ / Tissue	
Code	Description
11	Left Kidney
12	Right Kidney
13	Double/En-bloc Kidney
20	Liver
21	Split Liver (L)
22	Split Liver (R)
30	Heart
40	Double Lung
41	Left Lung
42	Right Lung
50	Pancreas
51	Pancreas Islets
55	Intestine
56	Stomach-Intestines
60	Eye-Cornea
61	Cornea (L)
62	Cornea (R)
70	Bone
90	Cardiovascular Tissue
98	Other (Specify)
99	Other (Specify)
100	Eyes - Whole
101	Eyes - Corneas Only
102	Skin
103	Musculoskeletal - Arm
104	Musculoskeletal - Leg
105	Pelvic
107	Vessels - Abdomen
108	Vessels - Thoracic
109	Vessels - Leg

Authority Sought for

Authority Sought Yes / No:

No Code	
Code	Description
1	Disease Of Organ
2	Trauma To Organ
3	Age Of Donor
4	Prior Family Request
5	Donor Refusal
7	Staff Reluctance
8	Other (Specify)

Organs / Tissues Retrieved

Organs Retrieved Yes / No:

No Code	
Code	Description
101	Intraoperative Assessment (Specify)
102	Post WCRS did not die in timeframes
103	Cardiac arrest prior to WCRS/X- Clamp
104	Surgical retrieval injury (specify)
105	Declined in offer process
106	Organ not offered - pathway
107	Organ not offered - age of donor
108	Organ not offered - not medically suitable
109	No consent from Coroner
110	Family withdrew consent

Tissue Retrieved Yes / No:

No Code	
Code	Description
10	No Suitable Recipient
11	Disease Of Organ / Tissue
12	Trauma To Organ / Tissue
13	Cardiac Arrest
14	Infection
15	Malignancy
16	Hypotension
17	Biochemistry
18	Inotropic Support Echocardiogram
19	ECG
20	ABG
21	Chest Xray
22	Logistics (Specify)
23	Other (Specify)
24	Age Of Donor
25	Team Not Available
26	Extended Ischaemic Time
27	Abnormal Echocardiogram

Preservation / Storage Solutions:

Solutions	
Code	Description
200	UW
201	Eurocollins
202	Modified Collins
203	0.9% Saline
204	Hartmann's
205	Ross Solution
206	Celsior
207	Custodial
208	Perfadex
209	CSS
210	HTK
211	PFC
212	SPS
213	No Flush
214	Unknown
215	Other (Specify)
216	Cardioplegia A
217	Soltran

Destination

Organ Outcome:

Destination Outcome	
Code	Description
200	Transplanted
301	Not Used: Intraoperative assessment (specify)
302	Not Used: Assessment at transplant unit (specify)
303	Not Used: Surgical retrieval injury (specify)
304	Not Used: Other (Specify)
401	Research - Primary intention for retrieval
402	Research - Secondary intention for retrieval

Tissue Outcome:

Destination Outcome	
Code	Description
200	Transplanted
304	Not Used: Other (Specify)
400	Research - Tissue
500	Stored (For Bone, Heart Valves Etc)

Related Documents:

Document Name	Description
ANZOD Code Tables v2021.3	This document provides codes and descriptions for those fields within the ANZOD data entry web application and the associated ANZOD paper based data collection form
ANZOD Facility Codes v2021.2	This document provides codes and descriptions for cancer category and site code tables for the ANZOD Online Module.
ANZOD Cancer Code Tables v2021.3	This document provides codes for facilities for the ANZOD Online Module.