

User Manual for National Transplant Procurement Management (NTPM) – HQ - National Transplant Procurement Management Unit (NTPMU) user Web Application

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1.0 NTPM WEB APPLICATION MODULES

1.1 Online data access and Remote data capture

Each SDP is given right to access its own data and is able to enter data remotely at its site via the NTPM Web Application.

1.2 Real time report

Reports are generated on a real time basis based on data entered via the online data access and Remote data capture module.

1.3 Data Standard

These documents contain definition of all variables collected in all the NTPM registries.

1.4 Maintenance

This module allows user to change their password. Users are advised to change their own password after every three months for security reasons.

1.5 Access Control

Only authorized users can gain access to a system. Depending on the role of user, different users have different access rights to the application, i.e. some may view data only but not edit data, some may view and edit data, etc.

Access Right for NTPM													
Access right	Section 1 - 11 (Donor Referral)				Section 12 - 29 (12-23: Donor management 24-29: Procurement)			Section 30-31 (Recipient, Summary)			Report	Data Download	
	Add	Update	View	*Verify	Add	Update	View	*Verify	Add	Update	View		
	NTPM (HQ)												
All patients	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ
	Regional Transplant Procurement Unit (RTPU)												
Own Region													
patients	Υ	Υ	Υ	Ν	Υ	Υ	Υ	N	N	Ν	Ν	Υ	N
TOP Team (Hospital staff)													
Own Centre patients	Υ	Υ	Υ	N	Z	N	Ν	N	N	N	Ν	N	N

Table 1.0 Access Right

Notes:

- Anyone with 'Add' right, has the right to Submit. Before submitting, user has the right to save as draft.
- For Section 1 to 29, only users from the centre/regional/NTPM who registered the record can edit back the record.
- Only NTPM (HQ) has the right to delete records, the rest can only request delete. NTPM serves like a registry manager right

Timer – On top of each application, timer has been set from 60 minutes and will decrease each time the application left idle. If the application is left idle for more than 60 minutes, the application will be logged off automatically.

59:58

Picture 1.1 Timer

2.0 SECURITY

Each authorised user is required to read through, understand and sign The Security Policy for NTPM Web Application before being authorised to access the application. This is to ensure that users play an active role in ensuring security of data at their level.

2.1 Policies and Practices as follows

As a good security practice, you are strongly advised to:

Keep your password confidential!

- **Avoid** sharing or divulging your Password to anyone. This includes any person who may appear to represent or work for the Registry. Our administrator do not request for your password at any time.
- **Avoid** using the same Web Application Password for any other web-based services such as for email or for Internet Service Provider login.
- **Avoid** choosing a Password that is easily anticipated by a third party, like your NRIC number, telephone number, date of birth, etc. You should select a unique Password to make it difficult for anyone to anticipate.
- **Avoid** writing down or "saving" your Password on your browser or any other software. Memorizes your Password.
- If you suspect your Password may have been compromised, change your Password **immediately**.

Tips: Your password is what tells the system that you are who you say you are. Because your password is like a key to your account, you need to safeguard it. Anyone who has your password can pose as you. Therefore, you may be held responsible for someone else's actions, if they are able to get your password. Do not record your passwords down, memories them!

Ensure you are accessing the correct website!

Never access the website via a hyperlink from an e-mail. Always enter the correct website address yourself, which is https://www.macr.org.my/entpm.

Only access Web Application using a secure and trusted computer!

- **Never** access your Web Application on computers / devices which you have doubts with regard to security, such as those located in public places. If you have to use such computers (for example, when you are outside the office), change your password once you have access to a secure computer.
- Keep your operating system (eg. Microsoft Windows) and Internet-related software updated with the latest security patches.

- Protect your computer from viruses and malicious programs with anti-virus software and firewalls where possible. Always update your anti-virus software with the latest virus signatures.
- Always log out your Internet session by clicking on the "logout" button whenever you leave your computer, even for a short while. Do not simply close the browser window when you wish to end the Web Application session.

3.0 HOW TO ACCESS NTR WEB APPLICATION

- 1. Register the centre as Source Data Provider with NTPM Registry, contact NTPM Manager at Tel: Tel: 03-2694 2704/2705, 03-2615 6576 or email ntpm@moh.gov.my
- 2. Fill in the authorization list form for the purpose of access control and sign the security policy form to receive a username and password.
- 3. Access to ACRM Website at http://www.acrm.org.my



Picture 1.2 ACRM Home page

4. Click on the NTR link and the NTR website will be displayed as show in Picture 1.3 or can access to NTR Website at http://www.mst.org.my/ntrSite/index.htm



Picture 1.3 National Transplant Registry (NTR) website

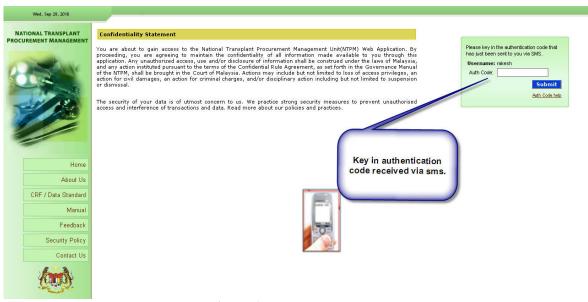
- 5. To go to NTPM Web application, click the NTPM link.
- 6. You may also go directly to the eNTPM Web Application at https://www.macr.org.my/entpm
- 7. On the login page, key in the *username* and *password* in the appropriate column and then, click on the *Sign in* button.



Picture 1.4 NTPM Registry web application - : Welcome page

User authentication – There are two levels of user authentication. After user logs in using *Username* and *password*, an SMS containing Authentication Code will be sent to user's mobile phone. User then types in the *Auth Code* before gaining access to the system.

8. Key in the authentication code received via SMS.



Picture 1.5 Authentication page

4.0 STEP BY STEP PROCEDURE IN USING NATIONAL TRANSPLANT PROCUREMENT MANAGEMENT (NTPM) WEB APPLICATION

4.1 NTPM Donor List

User will be directed to Donor List page upon successful login.



Picture 1.6 *Donor List for NTPM*

4.1.1 Navigation Toolbars

There are 8 menu navigation toolbars which include:

- i. Donor List
- ii. New Donor Data Entry
- iii. Report
- iv. Data Download
- v. Staff
- vi. Site Management
- vii. Change Password
- viii. Log Out



Picture 1.7 *Menu Navigation toolbars for NTPM*

User's can only view parts of this menu navigation toolbars depends on their group that has been assigned to them.

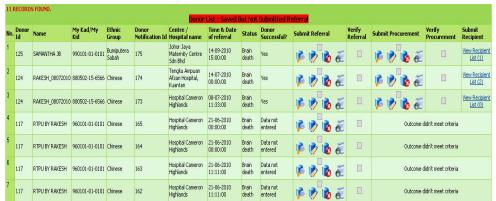
4.1.2 Donor List Menu



Picture 1.8 Dropdown menus for Donor List

Display the no. of donor based on the criteria below:

- i) Donor List (Whole donor)
- ii) Saved But Not Submitted Referral



Picture 1.9 Saved But Not Submitted Referral

iii) Saved But Not Submitted Procurement



Picture 1.10 Saved But Not Submitted Procurement

iv) Submitted But Not Verified Referral



Picture 1.11 Submitted But Not Verified Referral

v) Submitted But Not Verified Procurement

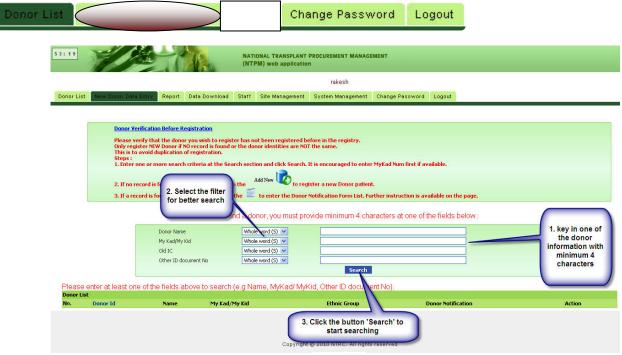


Picture 1.12 Submitted But Not Verified Procurement

National	Transplant	Procurement	Management	(NTPM)) Web	Application -	Version	n 1 (O
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4.1.3 New Donor Data Entry

Before registering a donor, please verify that donor has not been registered in the system before by clicking on **New Donor Data Entry** tab.



Picture 1.13 Donor Search Page

In this page, user can view and search for the donors records within the whole registry.

In the 'Search' section, search the donor by type in the MyKad/MyKid, Donor Name, Old IC or Other ID Document No of the donor with not less than 4 characters. Click on the search button to start searching.

4.1.4 Register New Donor

If the <u>donor exists</u> in the database (i.e. Donor is shown in the donor list), click on Notification button of the donor to view the list of notification for that donor.



Picture 1.14 Donor Search Page - Donor Exist

If donor doesn't exist (i.e. Donor is NOT shown in the donor verification list), click on the icon



in as shown in Picture 1.15 below to register a new donor.



Picture 1.15 Donor Search Page – Register New Donor

Then, the NTPM Registration Notification Form as shown in Picture 1.16 below will appear.



Picture 1.16 NTPM Notification Form

There are 3 subforms in the NTPM Notification form.

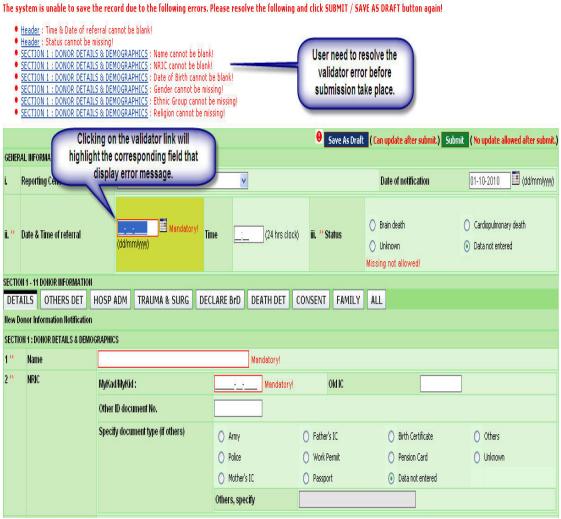
- i) Subform 1: Sect 1-11: DONOR INFORMATION
- ii) Subform 2: Sect 12-23: DONOR MANAGEMENT
- iii) Subform 3: Sect 24-29: PROCUREMENT
- iv) Subform 4: Sect 30: RECIPIENT PARTICULAR
- v) Subform 5: Sect 31: SUMMARY ORGAN / TISSUE PROCURED

Key in the data for each section of the form.



13

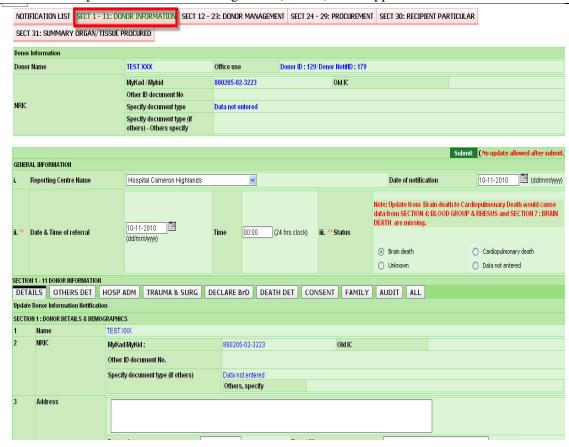
Fields with asterisk (**) symbols are mandatory and cannot be blank or missing, otherwise error in red colour will appear when saving or submitting the form. So it is advisable for user to rectify the errors before clicking the Save As Draft and Submit buttons. Clicking on the validator link will highlight the corresponding fields that has error (See picture 1.18).



Picture 1.18 Validation message

In the subform, there are 2 buttons (Picture 1.17):

- 1) Save as Draft: The page is saved as draft. User may still continue on with data entry subsequently.
- 2) Submit :- The page is saved and submitted to NTPM permanently. No further updating is allowed after clicking this button.

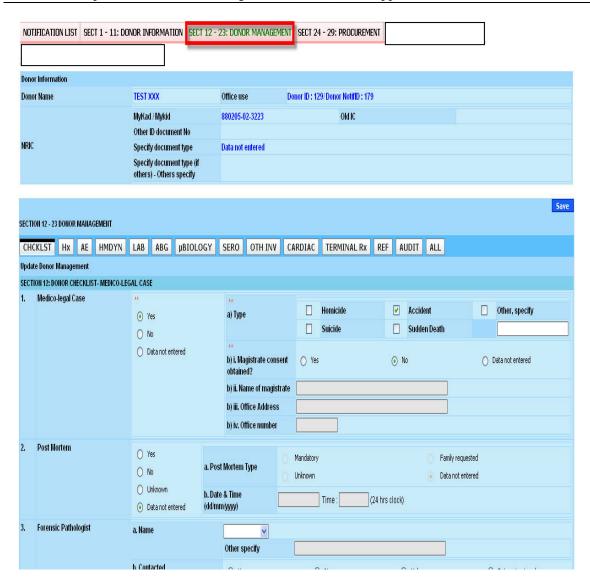


Picture 1.18a Sect 1-11: DONOR INFORMATION

After completed Section 1 to 11 of the first subform, click on the save the data into the database.

Save As Draft or Submit buttons to

Data entry page for Section 12-23 will appear.

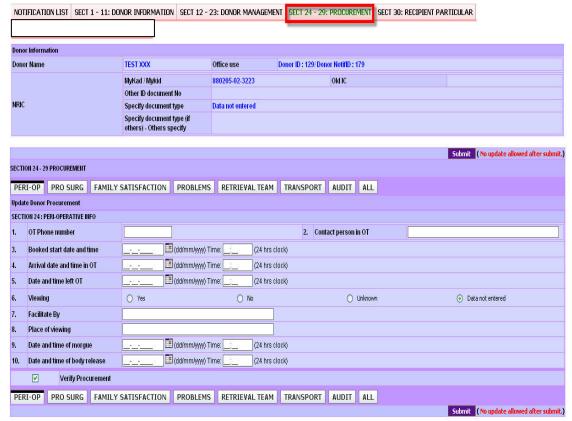


Picture 1.18b Sect 12-23: DONOR MANAGEMENT

After completed Section 12 to 23 of the second subform, click on the save the data into the database.

Save As Draft or Submit buttons

Data entry page for Section 24-29 will appear.



Picture 1.18c Sect 24-29: PROCUREMENT

After completed Section 24 to 29 of the third subform, click on the Save As Draft or Submit buttons to save the data into the database.

Data entry page for Section 30 will appear.



Picture 1.43 Sect 30: RECIPIENT PARTICULAR

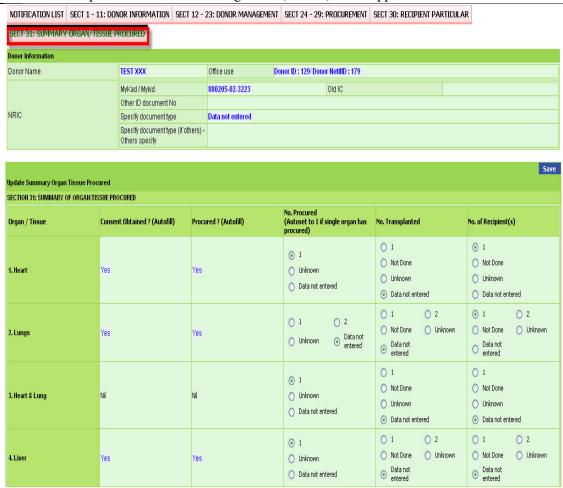
You may one or more recipient particulars where applicable.

Click on the ______ button. The recipient particulars page will appear.

After completed Section 30 of the fourth subform, click on the save the data into the database.

Save As Draft or Submit buttons to

Data entry page for Section 31 will appear.



Picture 1.44 Sect 31: SUMMARY ORGAN / TISSUE PROCURED

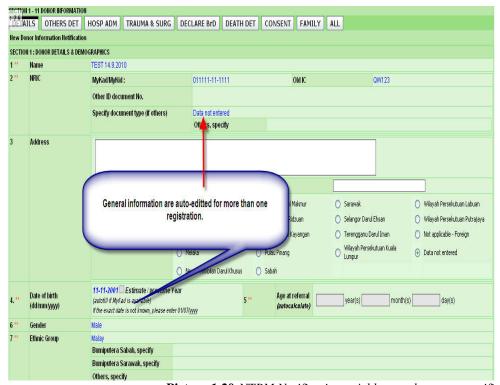
After completed Section 31 of the last subform, click on the Save As Draft or Submit buttons to save the data into the database.

Upon submitting, user will be directed to the NTPM Notification List (See picture 1.19).



Picture 1.19 NTPM Notification List

For the second or more notification, the general information about the donor details are automatically filled in base on the data that first time registration and can only is editable in the donor's form.



Picture 1.20 NTPM Notification – Add second or more notification

5 9 : 4 4 GENERAL INFORMATION Edit 14-09-2010 00:00:00 (dd/mm Reporting Centre Name Hospital Cameron Highlands Date of notification Date & Time of referral 00:00 (24 hrs clock) iii. Status SECTION 1 - 11 DONOR INFORMATION DETAILS OTHERS DET HOSP ADM TRAUMA & SURG DECLARE BID DEATH DET CONSENT FAMILY AUDIT ALL View Donor Information Hotification SECTION 1: DONOR DETAILS & DEMOGRAPHICS Name NRIC 011111-11-1111 MvKad/MvKid: Old IC Other ID document No. Specify document type (if others) Others, specify Address Postcode Town/ City State Data not entered Date of birth (dd/mm/yyyy) Age at referral (autocalculate) 8 year(s)10 month(s)3 day(s) 11-11-2001 00:00:00 Estimate / presume Year Male Ethnic Group Bumiputera Sabah, specify Burniputera Sarawak, specify

To view notification record, click on the blue View icon \checkmark .

Others, specify Christianity Others, specify

Verify Referral

Non-Malaysian, specify country Non-Malaysian, others specify

Picture 1.21 NTPM Notification – View mode

To update notification record, click on the blue Update icon or click edit button on the View Page (Picture 1.21). Click save button after update the notification.

To request delete notification record, click on the blue request delete icon . Fill in the Reason for request delete and click the request delete button Request Delete.

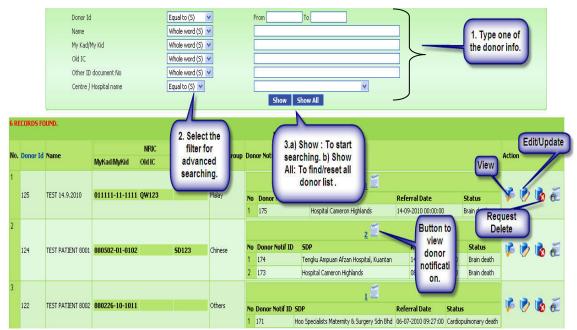


Picture 1.22 *NTPM Notification – Request to delete mode*

Note: Only manager and HQ Transplant Procurement Management user can delete a record that has been requested to delete by user. If user has request to delete wrong form, user can call the manager to undo the pending request delete.

Donor List

In this page, user can view and search for the donors records within the user's centre.



Picture 1.23 Donor List/ Search page

In the 'Search' section, in order to search donor record, require filling up the fields and then selecting the filters for advanced searching and click the Show button to start the searching process. Result will be shown in the Donor List. Click the Show All button to reset the searching. Please refer Picture 1.23.

To View/Update NTPM notification data, click on the Notification icon . The digit beside the icon indicates the number notification(s) of the donor. Clicking the Notification icon will redirect user to the Notification List.

To View Donor Particulars, click on the blue View icon

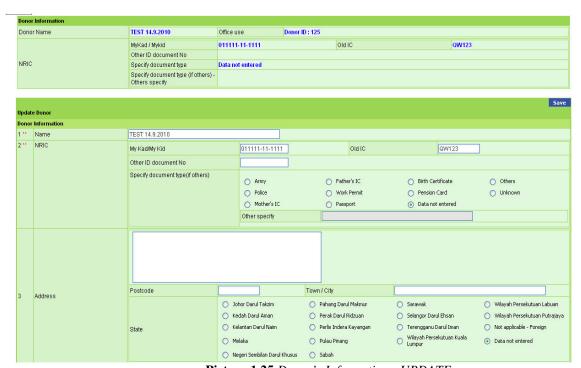


National Transplant Procurement Management (NTPM) Web Application - Version 1.0



Picture 1.24 Donor's Information - VIEW page

To update the donor's form, click on the blue Update icon or click edit button in the View page.



Picture 1.25 Donor's Information - UPDATE page

To request delete a donor's record, click on the blue request delete icon request delete and click the button Request Delete.



Picture 1.26 Request Delete section

To delete a donor's record, click on the blue delete icon click the button. In the Delete Donor page that appears, click the button.

Note: Only manager and HQ Transplant Procurement Management user can delete a record that has been requested to delete by user. If user has request to delete wrong form, user can call the manager to undo the pending request delete.

4.1.6 Reports



Picture 1.27 Report Tab Menus

In order to view the list of the NTPM, click the Report tab menu bar.

There are 2 types of report:

- 1) Potential Donor Report
- 2) Actual Donor Report

	Report
Potent	ial Donor Report
1	Number of Potential Donor Referral by Year/Month (base on Date of Referral)
2	Number of Potential Donor according to Sex by Year/Month (base on Date of Referral)
3	Number of Potential Donor according to Race by Year/Month (base on Date of Referral)
4	Number of Potential Donor according to State by Year/Month (base on Date of Referral)
5	Number of Potential Donor according to Age Group by Year/Month (base on Date of Referral)
6	Number of Brain Death vs Cardiopulmonary Death by Year/Month (base on Date of Referral)
7	Number of Potential Donor according to Test Done by Year/Month (base on Date of Referral)
8	Location where Donor was Referred From by Year/Month (base on Date of Referral)
Actual	Donor Report
1	Total Organ Donation cases recorded by Year/Month (base on Date of Referral)
2	Number of Actual Donor by Year/Month (base on Date of Referral)
3	Number of Actual Donor according to Sex by Year/Month (base on Date of Referral)
4	Number of Actual Donor according to Race by Year/Month (base on Date of Referral)
5	Number of Actual Donor according to State by Year/Month (base on Date of Referral)
6	Number of Actual Donor according to Organ & Tissues Donated by Year/Month (base on Date of Referral)
7	Number of Actual Donor according to Age Group by Year/Month (base on Date of Referral)

Picture 1.28 List of Potential and Actual Donor report

For instance, in order to view Number of Potential Donor according to Test Done by Year/Month (base on Date of Referral) report:

- 1) Click the link of the report.
- 2) It will bring to the report filter page:



Picture 1.29 *Filtering for report outcome*

After clicking the 'Get Report' button, the popup box below will appear. Select either 'Open With Adobe Reader' if you wish to open the report without saving OR select 'Save File' if you wish to open and save the report. Then click OK.



Picture 1.30 Popup box for downloading report

The output of the report on PDF file:

Number of Potential Donor Referral by Year/Month (base on Date of Referral)



Picture 1.31 The outcome of the a sample of report

4.1.7 Data Download



Picture 1.32 Data Download Tab Menu

Data entered in NTPM Notification form are downloadable.

Note: Only those that have the access right can view Data Download tab and download it.

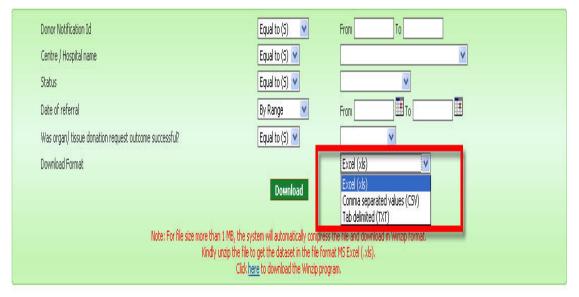
Once clicked, it will bring to the page as shown below (Picture 1.33):



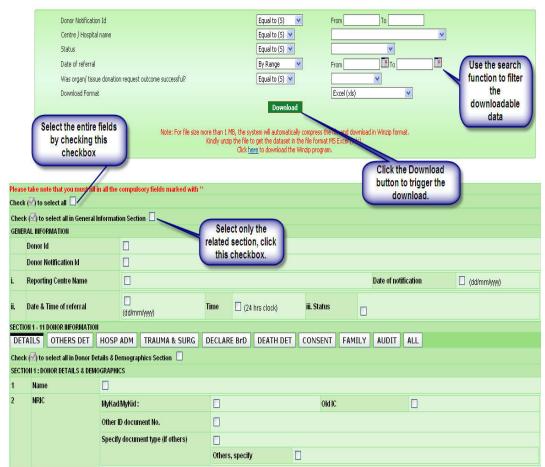
Picture 1.33 List of data download links

Tick the checkbox for the desired field that need to be download.

Use the search function to filter the downloadable data.



Picture 1.34 Data Download search section – Download Format



Picture 1.35 NTPM downloadable forms

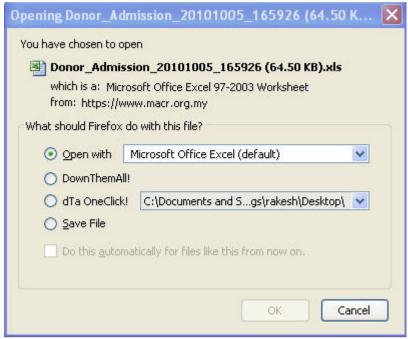
There are 3 types of downloadable format as shown in Picture 1.35:

- a) Excel (.xls)
- b) Comma separated values(.cvs)
- c) Tab delimited (.txt)

The download format is defaulted to excel type. Select the desired format and click the Download button to start downloading.

Note: For file size more than 1 MB, the system will automatically compress the file and download in WinZip format. Kindly unzip the file to get the dataset in the file format MS Excel (.xls).

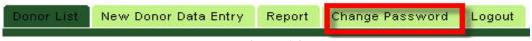
A dialog box for saving the data download will appear as shown in Picture 1.36 below.



Picture 1.36 Dialog box for data downloading

4.1.8 Change Password

To change the password, click on the 'Change Password' menu toolbar.



Picture 1.37 Change Password page

Fill in the details and click the Submit button.

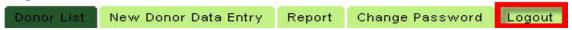
Change Password Password changed! Please use new password for next login

Picture 1.38 Result page for Change Password

User can use the new password for the next login.

4.1.9 Logout

To logout from National Transplant Procurement Management (NTPM) web application, click on 'Logout' menu bar.



Picture 1.39 Logout Menu Bar

5.0 HELP DESK SUPPORT

Note: The NTPM User's Manual is subjected for amendment in future for better quality of NTPM.

For assistance in completing your application or if you experience technical difficulties using this site, including problems related to data entry, please contact:

1) The Registry Manager

Tel: 03-2694 2704/2705, 03-2615 6576

Email: ntpm@moh.gov.my

Address: National Transplant Registry (NTR),

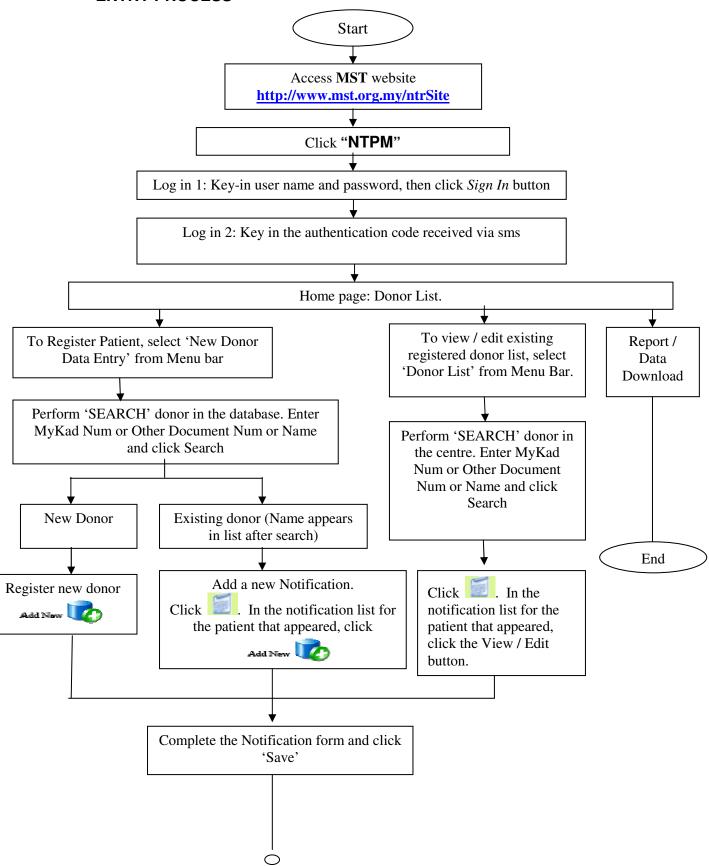
Level 5, Menara Wisma Sejarah

Jalan Tun Razak Kuala Lumpur

OR

3) The IT Administrator at: Tel: +603 – 4044 8615 / 2615

7.0 NATIONAL TRANSPLANT PROCUREMENT MANAGEMENT (NTPM) DATA ENTRY PROCESS



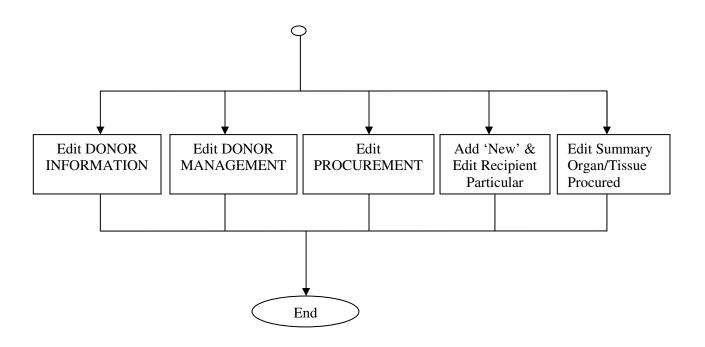


Diagram 1 NTPM User's Manual Flow for NTPMU user